

Environmental Assessment

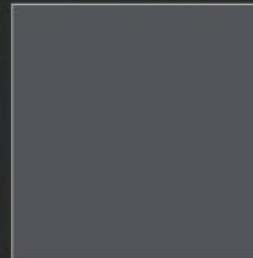
Existing Operations &
Increased Road Reveal Hours
for Port Kembla Coal Terminal

Traffic Study

Volume ii Appendices

Prepared for:
Port Kembla Coal Terminal

September 2008



This page intentionally left blank

DOCUMENT CONTROL

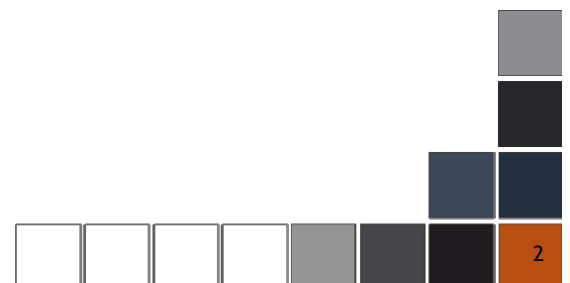
Document Control					
Environmental Assessment - TRAFFIC STUDY					
Existing Operations & Increased Road Receiving Hours for Port Kembla Coal Terminal					
Volume 2 of 2 - Appendices					
Version	Date	Author		Reviewer	
		Name	Initials	Name	Initials
1.0	12 May 2008	Wilkie Ngan	WN	Anissa Levy	AL
2.0	2 June 2008	Wilkie Ngan	WN	Anissa Levy	AL
3.0	3 June 2008	Wilkie Ngan	WN	Anissa Levy	AL
4.0	2 July 2008	Anissa Levy	AL	John Olsen	JO

"© 2008 Cardno All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Cardno."



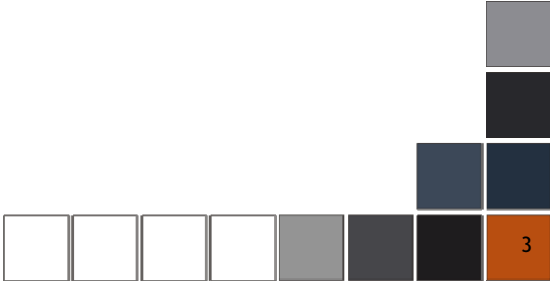
Appendices

Appendix A	West Cliff CPP Coal Truck Movements 2006-2007-2008
Appendix B	GNRE Coal Truck Movements 2007-2008
Appendix C	West Cliff to PKCT Assumed Truck Distribution Patterns
Appendix D	GNRE to PKCT Assumed Truck Distribution Patterns
Appendix E	PKCT Road Haulage Route Physical Characteristics
Appendix F	Functional Classification of Roads
Appendix G	Road Carriageway Capacity Uninterrupted Two-lane Roads
Appendix H	Road Carriageway Capacity Uninterrupted Multi-Lane Roads
Appendix I	Road Carriageway Capacity Freeways
Appendix J	Intersection Performance Criteria
Appendix K	Austrroads' Vehicle Classifications
Appendix L	Existing Classification Traffic Count Summaries
Appendix M	Road Haulage Routes Existing Capacity & Level of Service
Appendix N	SIDRA Movement Summaries Existing AM Peak
Appendix O	SIDRA Movement Summaries Existing PM Peak
Appendix P	Crash Data 2002-2007
Appendix Q	Coal Truck Movements 2008 Trial Period
Appendix R	Northern Distributor Extension Traffic Modelling Outputs 2016/2026
Appendix S	Northern Distributor Extension Traffic Modelling Outputs 2008/2018
Appendix T	Future Background Traffic Volumes
Appendix U	Coal Truck Delivery Options from West Cliff CPP
Appendix V	Coal Truck Delivery Options from GNRE No.1 Mine
Appendix W	Traffic Volume Scenarios 2008
Appendix X	Traffic Volume Scenarios 2009
Appendix Y	Traffic Volume Scenarios 2013
Appendix Z	Traffic Volume Scenarios 2018
Appendix AA	Future Scenarios Mid-Block LoS
Appendix BB	Future Scenarios Traffic Volumes Mid-Block LoS and %HV





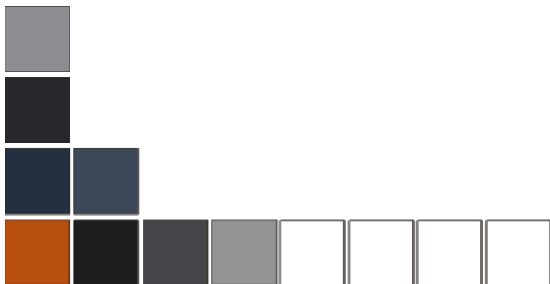
APPENDICES



This page intentionally left blank



Appendix A West Cliff CPP Coal Truck Movements 2006-2007-2008

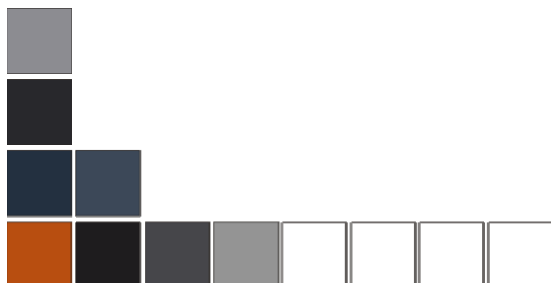




Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
ALL: 2006 - 2007 - 2008									
All Days	Total	21,257	13,693	7,564	764,325	472,143	292,183	35.6%	36.0
	Average	231	149	82	8,308	5,132	3,176	35.6%	36.0
Weekdays	TOTAL	18,189	11,867	6,322	651,859	408,554	243,304	34.8%	35.8
	AVERAGE	246	160	85	8,809	5,521	3,288	34.8%	35.8
Weekends	TOTAL	3,068	1,826	1,242	112,467	63,589	48,878	40.5%	36.7
	AVERAGE	170	101	69	6,248	3,533	2,715	40.5%	36.7
2008 Post Trial 11/6 (May)									
Fri	2/05/08	47	36	11	1,445	1,038	407	23.4%	30.7
Sat	3/05/08	17	17	-	489	489	-	0.0%	28.8
Mon	5/05/08	34	27	7	1,005	793	212	20.6%	29.6
Tue	6/05/08	29	18	11	944	575	369	37.9%	32.6
Wed	7/05/08	116	111	5	3,994	3,770	224	4.3%	34.4
Thu	8/05/08	190	142	48	6,771	4,793	1,978	25.3%	35.6
Fri	9/05/08	72	42	30	2,638	1,504	1,134	41.7%	36.6
Mon	12/05/08	124	97	27	4,551	3,583	968	21.8%	36.7
Tue	13/05/08	156	131	25	5,500	4,549	951	16.0%	35.3
Wed	14/05/08	181	148	33	6,047	4,863	1,184	18.2%	33.4
Thu	15/05/08	148	124	24	5,009	4,140	869	16.2%	33.8
Fri	16/05/08	220	150	70	7,543	5,115	2,428	31.8%	34.3
Mon	19/05/08	198	169	29	6,722	5,636	1,085	14.6%	33.9
Tue	20/05/08	183	152	31	6,112	5,054	1,058	16.9%	33.4
All Days	Total	689	554	135	23,553	18,554	4,998	19.6%	34.2
	Average	115	92	23	3,925	3,092	833	19.6%	34.2
Weekdays	TOTAL	672	537	135	23,064	18,065	4,998	20.1%	34.3
	AVERAGE	134	107	27	4,613	3,613	1,000	20.1%	34.3
Weekends	TOTAL	17	17	-	489	489	-	0.0%	28.8
	AVERAGE	17	17	-	489	489	-	0.0%	28.8



Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
2008 Trial 24/7 (Mar-Apr)									
Mon	3/03/08	194	131	63	7,061	4,473	2,588	32.5%	36.4
Tue	4/03/08	206	171	35	7,267	5,925	1,342	17.0%	35.3
Wed	5/03/08	217	167	50	7,869	5,923	1,946	23.0%	36.3
Thu	6/03/08	239	156	83	8,786	5,571	3,215	34.7%	36.8
Fri	7/03/08	142	108	34	5,202	3,984	1,218	23.9%	36.6
Sat	8/03/08	16	14	2	468	408	60	12.5%	29.2
Mon	10/03/08	167	126	41	6,110	4,767	1,343	24.6%	36.6
Tue	11/03/08	145	86	59	5,315	3,092	2,223	40.7%	36.7
Wed	12/03/08	235	153	82	8,983	5,655	3,328	34.9%	38.2
Thu	13/03/08	191	120	71	7,300	4,434	2,866	37.2%	38.2
Fri	14/03/08	169	99	70	6,166	3,443	2,723	41.4%	36.5
Mon	17/03/08	130	108	22	4,148	3,459	689	16.9%	31.9
Tue	18/03/08	234	123	111	8,793	4,297	4,495	47.4%	37.6
Wed	19/03/08	367	159	208	13,448	5,609	7,839	56.7%	36.6
Thu	20/03/08	319	158	161	11,652	5,722	5,930	50.5%	36.5
Fri	21/03/08	46	-	46	1,824	-	1,824	100.0%	39.7
Tue	25/03/08	252	156	96	8,926	5,461	3,464	38.1%	35.4
Wed	26/03/08	201	144	57	6,906	4,997	1,909	28.4%	34.4
Thu	27/03/08	174	150	24	6,147	5,251	896	13.8%	35.3
Fri	28/03/08	96	90	6	3,037	2,828	209	6.3%	31.6
Sun	30/03/08	23	-	23	924	-	924	100.0%	40.2
Mon	31/03/08	83	52	31	2,567	1,559	1,008	37.3%	30.9
Wed	2/04/08	35	34	1	1,013	982	31	2.9%	28.9
Thu	3/04/08	30	30	-	887	887	-	0.0%	29.6
Fri	4/04/08	64	52	12	2,037	1,555	482	18.8%	31.8
Sun	6/04/08	7	-	7	274	-	274	100.0%	39.2
Mon	7/04/08	124	89	35	4,186	2,950	1,236	28.2%	33.8
Tue	8/04/08	105	93	12	3,623	3,185	437	11.4%	34.5
Wed	9/04/08	144	126	18	5,440	4,712	728	12.5%	37.8
Fri	11/04/08	96	96	-	3,508	3,508	-	0.0%	36.5

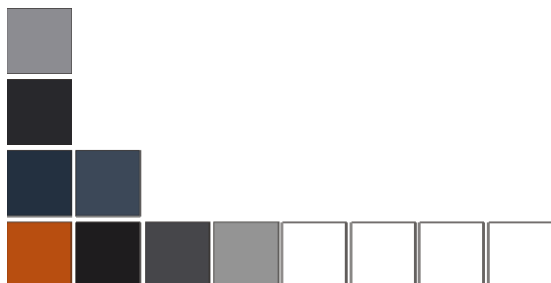




Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
2008 Trial 24/7 (Mar-Apr) (continued)									
All Days	Total	4,451	2,991	1,460	159,866	104,639	55,227	32.8%	35.9
	Average	148	100	49	5,329	3,488	1,841	32.8%	35.9
Weekdays	TOTAL	4,405	2,977	1,428	158,200	104,230	53,969	32.4%	35.9
	AVERAGE	163	110	53	5,859	3,860	1,999	32.4%	35.9
Weekends	TOTAL	46	14	32	1,666	408	1,258	69.6%	36.2
	AVERAGE	15	5	11	555	136	419	69.6%	36.2
2007 High Output (Nov)									
Thu	1/11/07	481	207	274	17,375	7,159	10,216	57.0%	36.1
Fri	2/11/07	376	182	194	13,274	6,250	7,024	51.6%	35.3
Sat	3/11/07	449	253	196	15,989	8,673	7,316	43.7%	35.6
Sun	4/11/07	260	98	162	9,831	3,607	6,224	62.3%	37.8
Mon	5/11/07	480	236	244	17,998	8,376	9,622	50.8%	37.5
Tue	6/11/07	338	115	223	13,048	4,446	8,603	66.0%	38.6
Wed	7/11/07	477	284	193	17,714	9,796	7,919	40.5%	37.1
Thu	8/11/07	437	242	195	15,929	8,326	7,603	44.6%	36.5
Fri	9/11/07	440	219	221	16,011	7,645	8,367	50.2%	36.4
Sat	10/11/07	260	121	139	9,931	4,617	5,314	53.5%	38.2
Sun	11/11/07	122	22	100	5,193	893	4,299	82.0%	42.6
Mon	12/11/07	326	182	144	11,899	6,483	5,416	44.2%	36.5
Tue	13/11/07	221	198	23	8,208	7,358	850	10.4%	37.1
Wed	14/11/07	272	186	86	9,802	6,864	2,939	31.6%	36.0
All Days	Total	4,939	2,545	2,394	182,204	90,492	91,712	48.5%	36.9
	Average	353	182	171	13,015	6,464	6,551	48.5%	36.9
Weekdays	TOTAL	3,848	2,051	1,797	141,259	72,701	68,558	46.7%	36.7
	AVERAGE	385	205	180	14,126	7,270	6,856	46.7%	36.7
Weekends	TOTAL	1,091	494	597	40,944	17,791	23,154	54.7%	37.5
	AVERAGE	273	124	149	10,236	4,448	5,788	54.7%	37.5



Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
2007 SEPP 7 Relaxation Period (Feb-Mar)									
Fri	23/02/07	383	269	114	13,291	9,140	4,150	30%	34.7
Sat	24/02/07	260	173	87	9,327	6,128	3,198	33%	35.9
Sun	25/02/07	261	126	135	10,963	5,234	5,729	52%	42.0
Mon	26/02/07	429	257	172	15,381	8,520	6,861	40%	35.9
Tue	27/02/07	158	101	57	6,100	3,600	2,500	36%	38.6
Wed	28/02/07	302	189	113	10,544	5,995	4,549	37%	34.9
Thu	1/03/07	279	182	97	10,201	6,177	4,024	35%	36.6
Fri	2/03/07	341	234	107	12,088	7,803	4,285	31%	35.4
Sat	3/03/07	38	-	38	1,437	-	1,437	100%	37.8
Sun	4/03/07	39	-	39	1,660	-	1,660	100%	42.6
Mon	5/03/07	406	241	165	14,443	8,109	6,333	41%	35.6
Tue	6/03/07	351	246	105	12,012	7,908	4,105	30%	34.2
Wed	7/03/07	454	296	158	16,002	9,573	6,430	35%	35.2
Thu	8/03/07	340	211	129	12,347	7,427	4,919	38%	36.3
Fri	9/03/07	427	321	106	14,384	10,345	4,039	25%	33.7
Sat	10/03/07	7	-	7	276	-	276	100%	39.4
Sun	11/03/07	371	257	114	13,545	8,853	4,692	31%	36.5
Mon	12/03/07	349	227	122	13,327	8,144	5,183	35%	38.2
Tue	13/03/07	280	176	104	10,927	6,480	4,448	37%	39.0
Wed	14/03/07	434	245	189	15,886	8,701	7,184	44%	36.6
Thu	15/03/07	280	118	162	11,049	4,789	6,260	58%	39.5
Fri	16/03/07	501	287	214	17,762	9,773	7,989	43%	35.5
Sat	17/03/07	352	304	48	12,061	10,140	1,921	14%	34.3
Sun	18/03/07	403	294	109	14,051	9,704	4,348	27%	34.9
Mon	19/03/07	366	236	130	13,383	7,894	5,488	36%	36.6
Tue	20/03/07	407	279	128	14,673	9,420	5,253	31%	36.1
Wed	21/03/07	391	165	226	16,108	6,936	9,171	58%	41.2
All Days	Total	8,609	5,434	3,175	313,226	186,795	126,432	37%	36.4
	Average	319	201	118	11,601	6,918	4,683	37%	36.4
Weekdays	TOTAL	6,878	4,280	2,598	249,907	146,736	103,172	38%	36.3
	AVERAGE	362	225	137	13,153	7,723	5,430	38%	36.3
Weekends	TOTAL	1,731	1,154	577	63,319	40,059	23,260	33%	36.6
	AVERAGE	216	144	72	7,915	5,007	2,908	33%	36.6

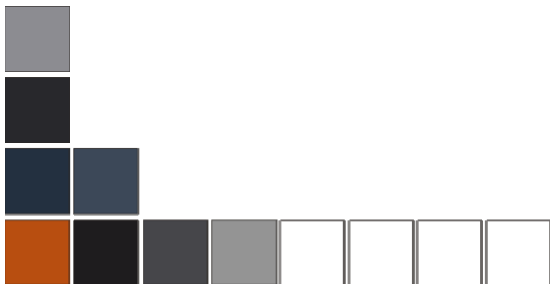




Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
2006 (Aug)									
Mon	14/08/06	263	234	29	8,523	7,641	883	11.0%	32.4
Tue	15/08/06	275	252	23	8,920	8,159	760	8.4%	32.4
Wed	16/08/06	300	269	31	9,688	8,720	968	10.3%	32.3
Thu	17/08/06	265	239	26	8,582	7,736	846	9.8%	32.4
Fri	18/08/06	257	218	39	8,500	7,219	1,281	15.2%	33.1
Sat	19/08/06	183	147	36	6,048	4,841	1,207	19.7%	33.0
All Days	Total	1,543	1,359	184	50,260	44,316	5,944	11.9%	32.6
	Average	257	227	31	8,377	7,386	991	11.9%	32.6
Weekdays	TOTAL	1,360	1,212	148	44,212	39,474	4,738	10.9%	32.5
	AVERAGE	272	242	30	8,842	7,895	948	10.9%	32.5
Weekends	TOTAL	183	147	36	6,048	4,841	1,207	19.7%	33.0
	AVERAGE	183	147	36	6,048	4,841	1,207	19.7%	33.0



Appendix B GNRE Coal Truck Movements 2007-2008



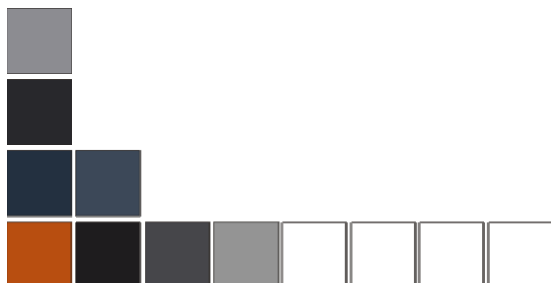
This page intentionally left blank



Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
ALL: 2006 - 2007 - 2008									
All Days	Total	2,622	2,254	368	86,725	74,495	12,229	14%	33.1
	Average	94	81	13	3,097	2,661	437	14%	33.1
Weekdays	TOTAL	2,147	1,850	297	70,969	61,081	9,889	14%	33.1
	AVERAGE	98	84	14	3,226	2,776	449	14%	33.1
Weekends	TOTAL	475	404	71	15,755	13,415	2,341	15%	33.2
	AVERAGE	79	67	12	2,626	2,236	390	15%	33.2
2008 Post Trial 11/6 (May)									
Mon	5/05/08	81	74	7	2,814	2,571	243	9%	34.7
Tue	6/05/08	59	54	5	1,629	1,491	138	8%	27.6
Fri	2/05/08	40	30	10	1,282	962	321	25%	32.1
Sat	3/05/08	78	72	6	2,834	2,616	218	8%	36.3
All Days	Total	258	230	28	8,559	7,639	920	11%	33.2
	Average	65	58	7	2,140	1,910	230	11%	33.2
Weekdays	TOTAL	180	158	22	5,725	5,023	702	12%	31.8
	AVERAGE	60	53	7	1,908	1,674	234	12%	31.8
Weekends	TOTAL	78	72	6	2,834	2,616	218	8%	36.3
	AVERAGE	78	72	6	2,834	2,616	218	8%	36.3
2008 Trial 24/7 (Mar-Apr)									
Friday	7/03/08	102	85	17	3,368	2,795	573	17%	33.0
Saturday	8/03/08	89	78	11	2,827	2,460	366	12%	31.8
Tuesday	11/03/08	115	103	12	3,611	3,234	377	10%	31.4
Thursday	13/03/08	111	96	15	3,521	3,035	486	14%	31.7
Friday	14/03/08	102	92	10	3,211	2,896	316	10%	31.5
Saturday	15/03/08	77	65	12	2,460	2,084	376	16%	31.9
Tuesday	18/03/08	103	92	11	3,246	2,903	343	11%	31.5
Tuesday	25/03/08	107	94	13	3,385	2,966	419	12%	31.6
Saturday	29/03/08	94	75	19	2,998	2,393	605	20%	31.9
Thursday	3/04/08	69	54	15	2,329	1,838	491	22%	33.8
Friday	4/04/08	101	83	18	3,403	2,800	603	18%	33.7
Tuesday	8/04/08	97	87	10	3,169	2,829	340	10%	32.7
Thursday	10/04/08	114	93	21	3,534	2,865	669	18%	31.0
Friday	11/04/08	108	95	13	3,469	3,050	418	12%	32.1



Day	Date	Loads			Tonnes			% Loads at Night	Tonnes per load
		Total	Day	Night	Total	Day	Night		
2008 Trial 24/7 (Mar-Apr) (continued)									
Saturday	12/04/08	74	60	14	2,443	1,980	462	19%	33.0
All Days	Total	1,463	1,252	211	46,971	40,128	6,843	14%	32.1
	Average	98	83	14	3,131	2,675	456	14%	32.1
Weekdays	TOTAL	1,129	974	155	36,244	31,211	5,034	14%	32.1
	AVERAGE	103	89	14	3,295	2,837	458	14%	32.1
Weekends	TOTAL	334	278	56	10,727	8,917	1,809	17%	32.1
	AVERAGE	84	70	14	2,682	2,229	452	17%	32.1
2007 SEPP 7 Relaxation Period (Feb-Mar)									
Friday	23/02/07	79	68	11	2,860	2,462	398	14%	36.2
Saturday	24/02/07	63	54	9	2,195	1,881	314	14%	34.8
Thursday	1/03/07	104	89	15	3,733	3,194	538	14%	35.9
Friday	2/03/07	104	89	15	3,707	3,172	535	14%	35.6
Tuesday	6/03/07	110	94	16	3,885	3,320	565	15%	35.3
Wednesday	7/03/07	113	97	16	3,871	3,323	548	14%	34.3
Thursday	8/03/07	104	89	15	3,728	3,191	538	14%	35.9
Wednesday	14/03/07	112	96	16	3,792	3,251	542	14%	33.9
Thursday	15/03/07	112	96	16	3,424	2,935	489	14%	30.6
All Days	Total	901	772	129	31,195	26,728	4,467	14%	34.6
	Average	100	86	14	3,466	2,970	496	14%	34.6
Weekdays	TOTAL	838	718	120	29,000	24,847	4,153	14%	34.6
	AVERAGE	105	90	15	3,625	3,106	519	14%	34.6
Weekends	TOTAL	63	54	9	2,195	1,881	314	14%	34.8
	AVERAGE	63	54	9	2,195	1,881	314	14%	34.8



Appendix C

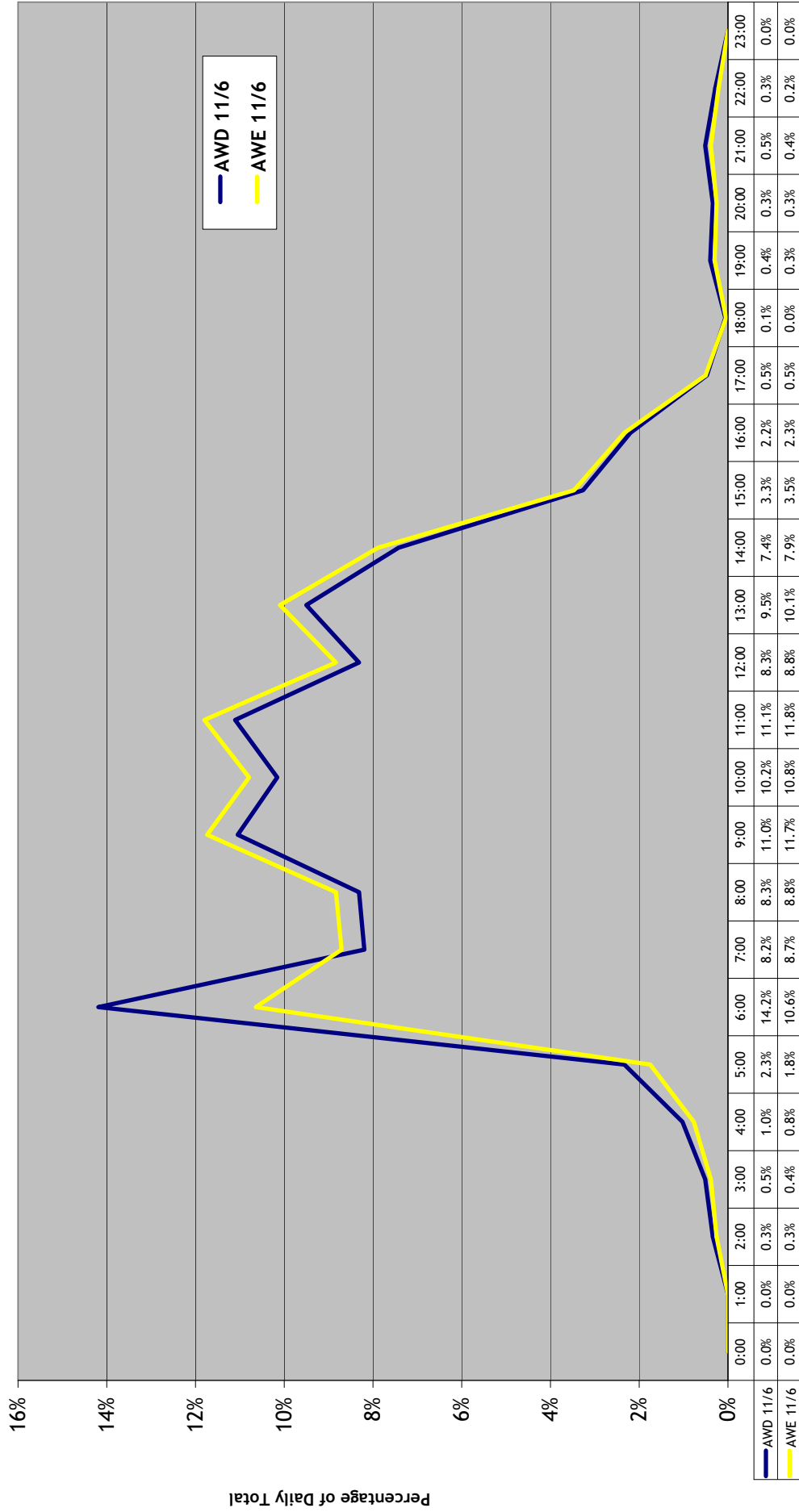
West Cliff to PKCT

Assumed Truck

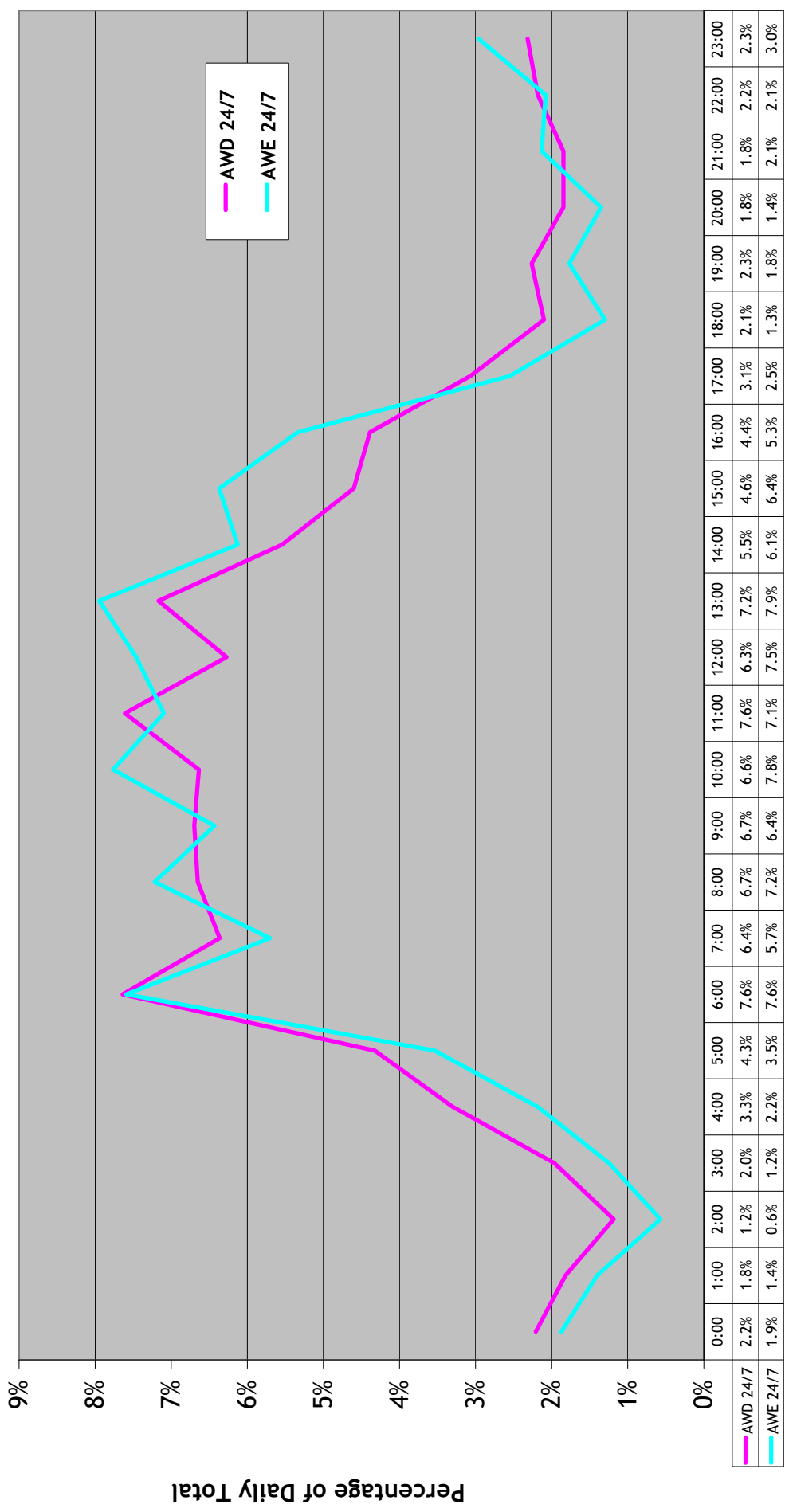
Distribution Patterns

This page intentionally left blank

Coal Truck Daily Distribution Westcliff to PKCT



Coal Truck Daily Distribution Westcliff to PKCT

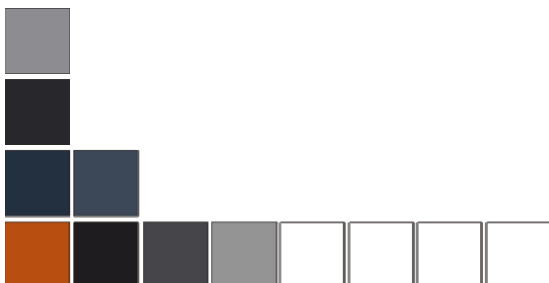


Appendix D

GNRE to PKCT

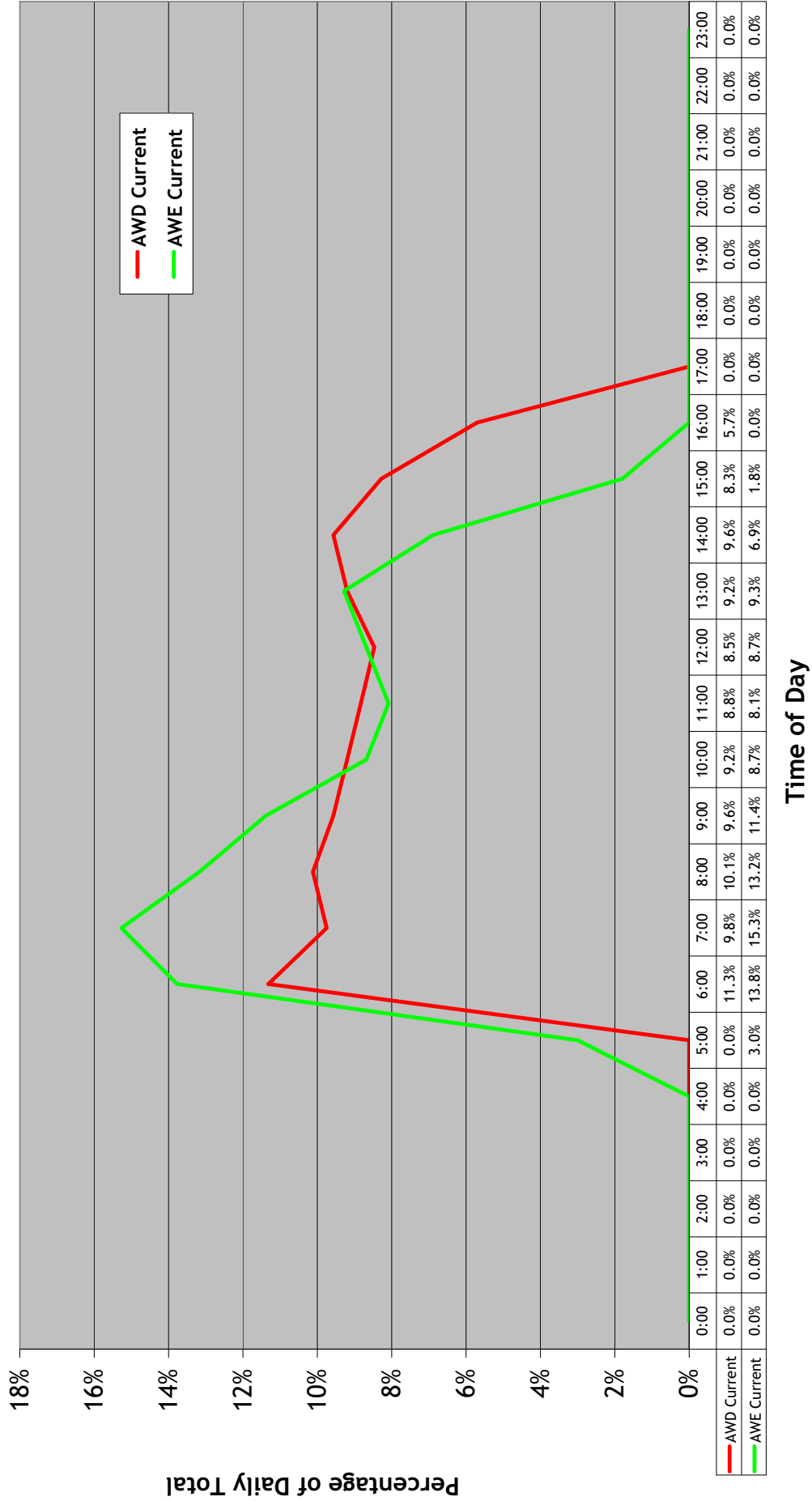
Assumed Truck

Distribution Patterns

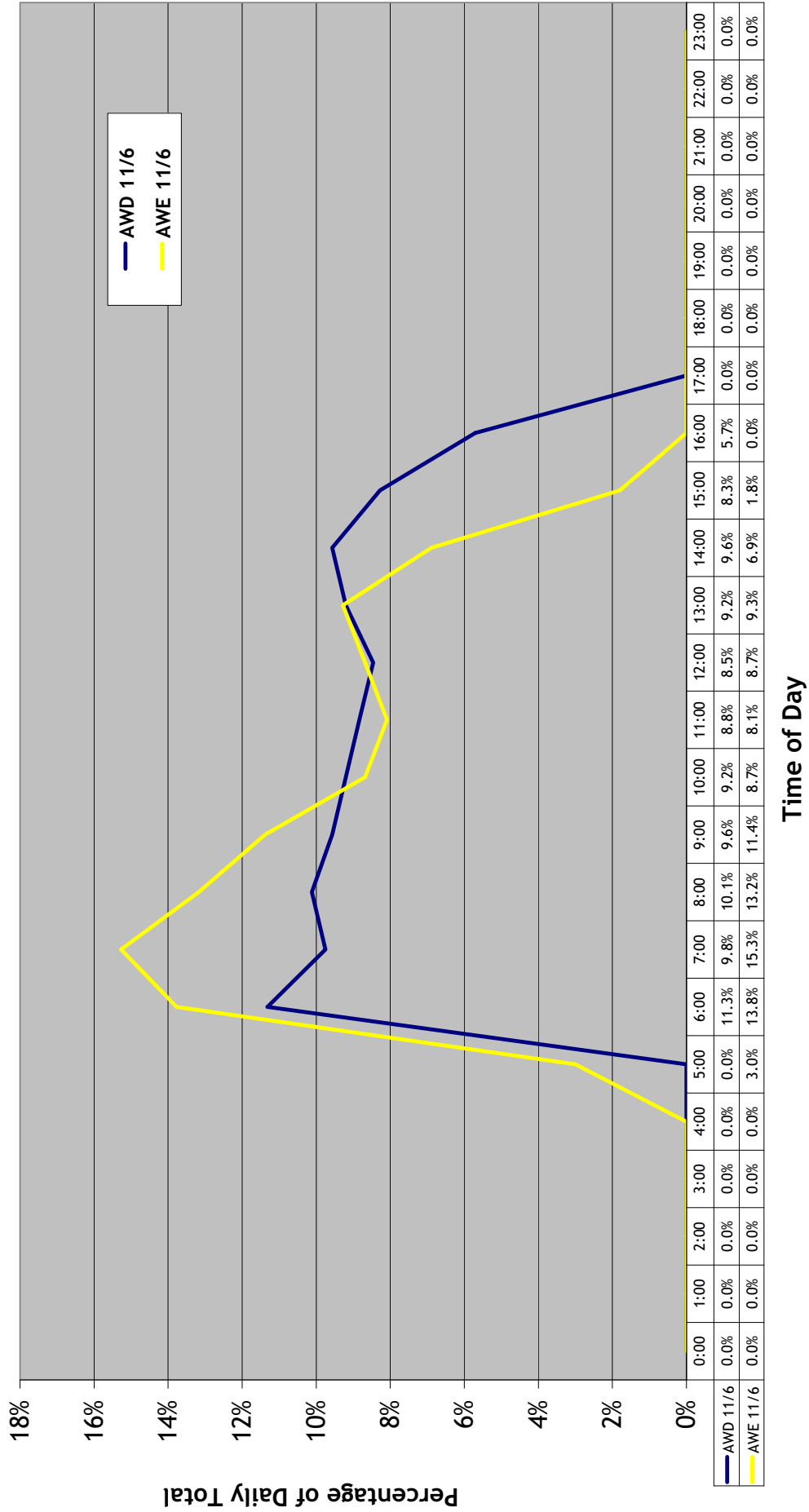


This page intentionally left blank

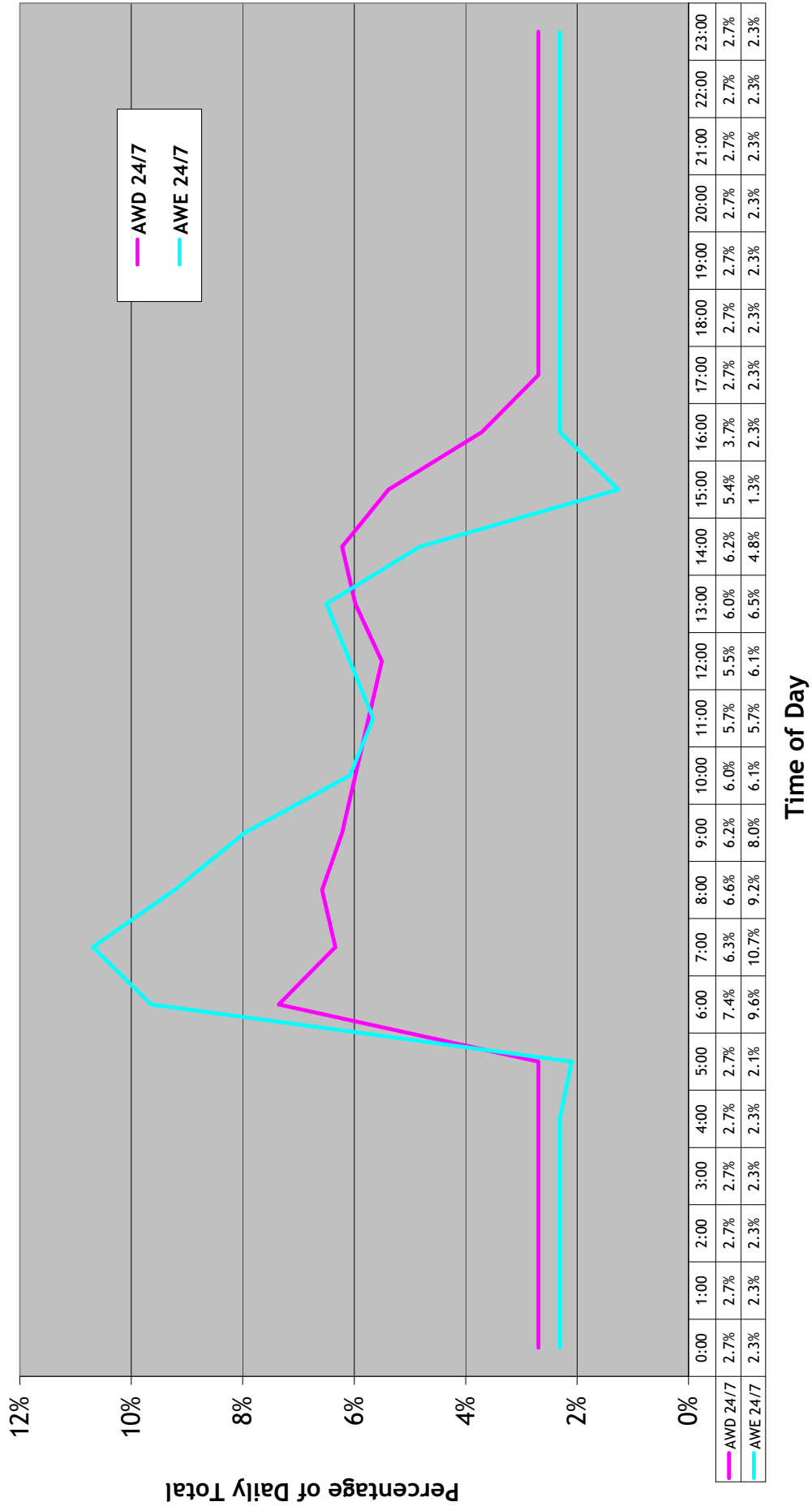
Coal Truck Daily Distribution GNRE to PKCT



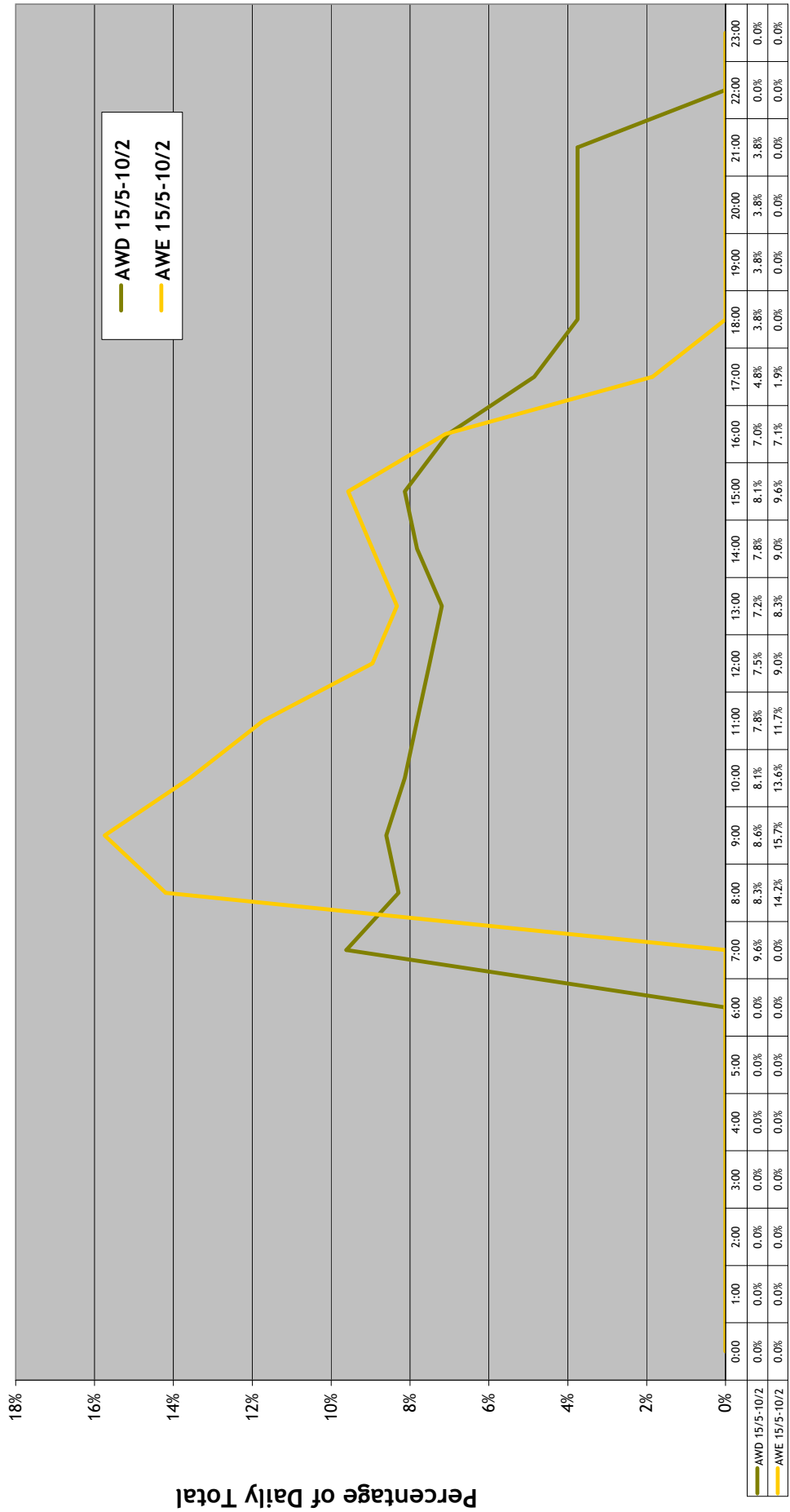
Coal Truck Daily Distribution GNRE to PKCT



Coal Truck Daily Distribution GNRE to PKCT



Coal Truck Daily Distribution GNRE to PKCT



Appendix E

PKCT Road Haulage

Route Physical

Characteristics

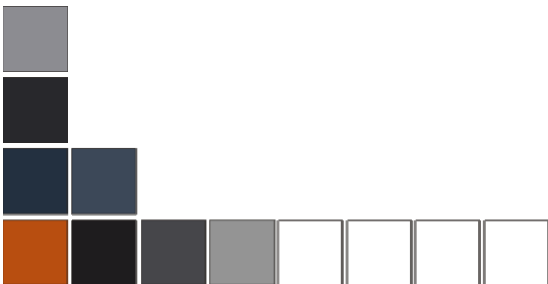
PKCT ROAD HAULAGE ROUTE PHYSICAL CHARACTERISTICS

GEOGRAPHY		CATEGORY					PHYSICAL CHARACTERISTICS																
Location	Street	Ownership	Urban/Rural	Carriageway Type		URB	Road Section Distances (km)		Speed (km/h)		No. of Lanes		Terrain		% Sight Distance <450m		Lane Widths (m)	Shoulder Width	Sides obstructed	Road Type	Development Environment	Driver Population	
				to PKCT	from PKCT		Limit	Design	to PKCT	from PKCT	to PKCT	from PKCT	to PKCT	from PKCT									
Appin Rd	Appin Mine Access	Public	Rural	U2L		-	4.3	4.3	80	80	1	1	L	60%	60%	3.5	2.0						
Appin Rd	West Cliff Mine Access	Public	Rural	U2L		-	3.0	3.0	100	100	1	1	L	60%	60%	3.5	2.0						
Appin Rd	Dharawal Conserv Ent	Public	Rural	U2L		-	3.4	3.4	80	80	1	2	L	100%	100%	3.0	1.0						
Appin Rd	No. 10A Fire Road	Public	Rural	U2L		-	4.8	4.8	80	80	2	1	R	80%	80%	3.5	2.0						
Mount Ousley Rd	Appin Rd	Public	Rural	UML		-	7.7	7.7	80	80	2	2	R	80%	80%	3.5	1.5	2	D	Ru	C		
Mount Ousley Rd	Picton Rd	Public	Rural	UML		-	4.6	4.6	80	80	3	3	M	80%	80%	3.5	0.5	2	D	Ru	C		
Southern Fwy	Mount Ousley Rd	Public	Urban	FWY		-	1.7	1.8	100	100	2	2	M	100%	100%	3.5	1.5	2	D	S	C		
Southern Fwy	Northern Distributor	Public	Urban	FWY		-	3.4	3.3	100	100	3	3	L	80%	80%	3.5	1.5	2	D	S	C		
Southern Fwy	Princes Hwy	Public	Urban	FWY		-	3.4	3.3	100	100	2	2	L	80%	80%	3.5	1.5	2	D	S	C		
Bellambi Ln	Princes Hwy	Public	Urban	URB	4UC	4UC	0.7	0.7	60	60	2	2	L	0%	0%	3.5	0.0						
Northern Distributor	Bellambi Ln	Public	Urban	UML		-	1.4	1.4	80	80	2	2	L	60%	60%	3.5	2.0	2	D	S	C		
Northern Distributor	Railway St	Public	Urban	UML		-	5.0	5.1	80	80	2	2	L	60%	60%	3.5	2.0	2	D	S	C		
Masters Rd	Southern Fwy	Public	Urban	URB	6DCL	6DCL	1.3	1.6	80	80	3	3	L	0%	0%	3.5	0.0						
Springhill Rd	Southern Fwy	Public	Urban	URB	6DCL	6DCL	2.2	2.2	80	80	3	3	L	0%	0%	3.5	0.0						
Springhill Rd	Masters Rd	Public	Urban	URB	6DCL	6DCL	1.0	1.0	80	80	3	3	L	0%	0%	3.5	0.0						
Springhill Rd	Masters Rd	Public	Urban	URB	6DCL	6DCL	1.0	1.0	80	80	3	3	L	0%	0%	3.5	0.0						
Total							48.1	48.3															

U2L = Uninterrupted Two-lane Road
 UML = Uninterrupted Multi-lane Road
 FWY = Freeway
 URB = Urban Road
 4UC = 4 lane undivided carriageway
 6DCL = 4 lane divided carriageway with clearways
 L = Level
 R = Rolling
 M = Mountainous
 D = Divided
 Ru = Rural
 S = Suburban
 C = Commuter

Appendix F

Functional Classification of Roads



This page intentionally left blank

Table F1 provides details of the characteristics of different functional classifications of roads. The table shows that there is considerable overlap between the functions of the various classes of roads.

Table F1: Functional Classification of Roads - Parameters

Factor/ Measure of Effectiveness	Arterial/ Freeway	Sub-Arterial	Collector	Local
Vehicle Speed / Operating Speed	70-110km/h	60-80km/h	40-60km/h	40km/h (or less)
Traffic Volume (AADT)				
- Residential Area	No Limit	< 20,000	< 5,000	< 2,000
- Other Area	No Limit	< 20,000	< 10,000	< 4,000
Through Traffic	yes	Some	little	no
Intersection Spacing	Approximately 1km	Approximately 0.5km	-	-
Road Geometry				
- Number of Lanes	4 or more	2 or more	2 or more	1 or more
- Medians	✓	As needed	no	no
- Minimum Carriageway Width	13m	7m	7m	4m
Heavy Vehicle Load Restrictions	None	Preferably none	Yes, if residential	Yes, if residential
Traffic Management	----- Refer to Table F2 -----			
- Intersection Control				
- Lane and Separation Lines	✓	✓	✓	✓
- Property Access	Minimised	Minimised	✓	✓
- Control of Turning Vehicles mid-block access	Median controlled	Maybe control	no	no
- Right Turn Bays	✓	Preferred	no	no
- Road Closures	none	none	possible	✓
- LATM devices	-	-	✓	✓
- SATM devices	-	✓	-	-
Interconnections	sub-arterial	arterial / collector	sub-arterial / local	collector
Pedestrian Crossings	Grade Separated or Signals	Signals or Refuge	Marked Crossing, Children's Crossing or Refuge	Marked Crossing, Children's Crossing or Refuge
Bus and Transit Lanes	✓	✓	✓	-

Factor/ Measure of Effectiveness	Arterial/ Freeway	Sub-Arterial	Collector	Local
Parking				
- Peak Period	no	no	✓	✓
- Off Peak	no	✓	✓	✓
- Period Parking	no	maybe	✓	✓
- Unrestricted	no	no	maybe	✓
- Parallel Parking	no	no	maybe	✓

Sources:

“Updated Guidelines for Functional Classification of Roads”, Roads and Traffic Authority of New South Wales, 1993

“Road Design Guide”, Roads and Traffic Authority of New South Wales

Table F2: Suitability for Provision of Right Turn Movements

Right Turn From	Right Turn To			
	Arterial/ Freeway	Sub-Arterial	Collector	Local
Arterial/Freeway	Yes	Yes	Possible	No
Sub-Arterial	Yes	Yes	Yes	Possible
Collector	Possible	Yes	Yes	Yes
Local	No	Possible	Yes	Yes

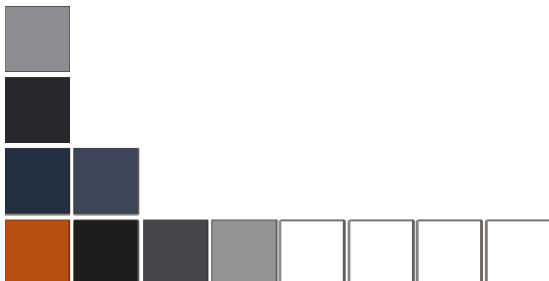
Source: “Road Design Guide”, Roads and Traffic Authority of New South Wales

The Growth Centres Development Code classifications, shown in Table F3, are consistent with the RTA classifications. These classifications have been designed for the growth centres and have therefore been adopted in this study.

Table F3: Functional Classification of Roads (Growth Centres Commission)

Road Type	AADT	Functions and Connections	Speed Limit
Arterial/Freeway	35,000+	Connects large urban areas	Up to 80km/h
Sub-Arterial	10,000 - 35,000	Arterial roads to town centres Carries major bus routes	Up to 70km/h
Collector	3,000 - 10,000	Connects neighbourhoods Can accommodate public transport	Up to 60km/h
Local	1,000 - 3,000	Priority to pedestrians and cyclists Designed to slow residential traffic	Up to 50km/h

Source: Growth Centres Development Code, Growth Centres Commission, October 2006



Appendix G

Road Carriageway

Capacity

Uninterrupted

Two-lane Roads

The roadway capacity for an uninterrupted two-lane two-way road is calculated using the following equation:

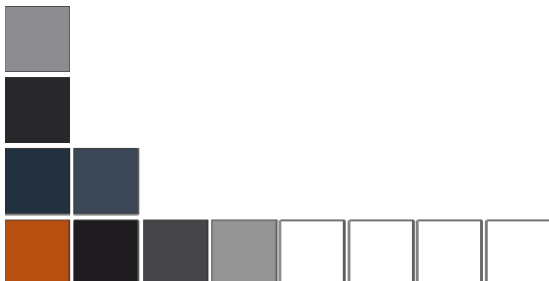
$$SF_i = 2,800 (v/c) f_d f_w f_{HV}$$

Where

SF_i	=	Total service flow rate in vehicles per hour in both directions under prevailing roadway and traffic conditions for level of service i
(v/c)	=	Maximum volume/capacity ratio which can be accommodated at level of service I for a given terrain and percent of length with no overtaking, from Table 3.1
f_d	=	Adjustment factor for directional distribution of traffic, from Table 3.2
f_w	=	Adjustment factor for narrow lanes and shoulders from Table 3.3
f_{HV}	=	Adjustment factor for heavy vehicles
$P_T \& P_B$	=	The proportion of trucks and buses respectively in the traffic stream
$E_T \& E_B$	=	The average passenger car equivalents for trucks and buses, from Table 3.4

The volume/capacity ratio is based on two factors, the type of terrain and the percent of length with sight distance less than 450m.

Reference: Austroads Guide to Traffic Engineering Practice, PART 2, Roadway Capacity, Section 3 Uninterrupted Two-Lane Two-Way Roads



Appendix H

Road Carriageway Capacity

Uninterrupted Multi-Lane Roads

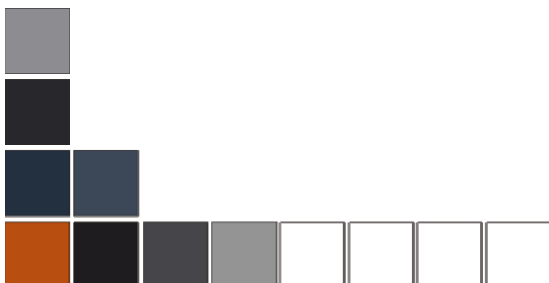
The roadway capacity for an uninterrupted multi-lane road is calculated using the following equation:

$$SF_i = C_j (v/c)_i N f_w f_{HV} f_e f_p$$

Where

SF _i	=	Total service flow rate in one direction under prevailing roadway and traffic conditions for level of service <i>i</i>
C _j	=	Capacity per lane under ideal conditions for a multi-lane highway with a design speed <i>j</i> , i.e. 2,000 pc/h/lane for <i>j</i> = 100km/h or 110km/h and 1,900 pc/h/lane for <i>j</i> = 80km/h
N	=	Number of lanes in one direction
(v/c)	=	Maximum volume/capacity ratio which can be accommodated at level of service <i>i</i> , obtained from Table 4.1
f _w	=	Adjustment factor for lane width and/or lateral clearance restrictions, see Table 4.2
f _{HV}	=	Adjustment factor for heavy vehicles
	=	$1 / [1 + P_T(E_T - 1) + P_B(E_B - 1)]$
P _T & P _B	=	The proportion of trucks and buses respectively in the traffic stream
E _T & E _B	=	The average passenger car equivalents for trucks and buses, from Table 4.3
f _e	=	Adjustment factor for development environment and type of multi-lane road, obtained from Table 4.4
f _p	=	Adjustment factor for driver population, obtained from Table 4.5

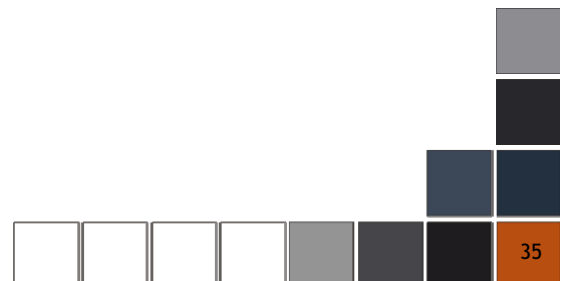
Reference: Austroads Guide to Traffic Engineering Practice, PART 2, Roadway Capacity, Section 4 Uninterrupted Multi-Lane Roads





Appendix I

Road Carriageway Capacity Freeways



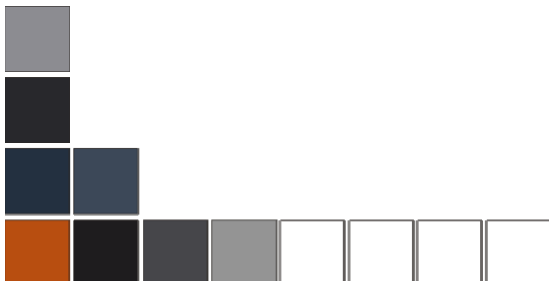
The roadway capacity for a freeway is calculated using the following equation:

$$SF_i = C_j (v/c)_i N f_w f_{HV} f_p$$

Where

SF _i	=	Total service flow rate in one direction under prevailing roadway and traffic conditions for level of service <i>i</i>
C _j	=	Capacity per lane under ideal conditions for a freeway with a design speed <i>j</i> , ie 2,000 pc/h/lane for <i>j</i> = 100km/h or 110km/h and 1,900 pc/h/lane for <i>j</i> = 80km/h
N	=	Number of lanes in one direction
(v/c)	=	Maximum volume/capacity ratio which can be accommodated at level of service <i>i</i> , obtained from Table 5.1
f _w	=	Adjustment factor for lane width and/or lateral clearance restrictions, see Table 4.2
f _{HV}	=	Adjustment factor for heavy vehicles
	=	$1 / [1 + P_T(E_T - 1) + P_B(E_B - 1)]$
P _T & P _B	=	The proportion of trucks and buses respectively in the traffic stream
E _T & E _B	=	The average passenger car equivalents for trucks and buses, from Table 4.3
f _p	=	Adjustment factor for driver population, obtained from Table 4.5

Reference: Austroads Guide to Traffic Engineering Practice, PART 2, Roadway Capacity, Section 5 Freeways



Appendix J

Intersection

Performance Criteria

The key indicator of intersection performance is Level of Service, where results are placed on a continuum from 'A' to 'F'. The level of service for a sign controlled intersection is determined based on the average vehicle delay on the worst approach movement. The level of service criteria is described in Table J1.

Table J1 Level of Service Criteria

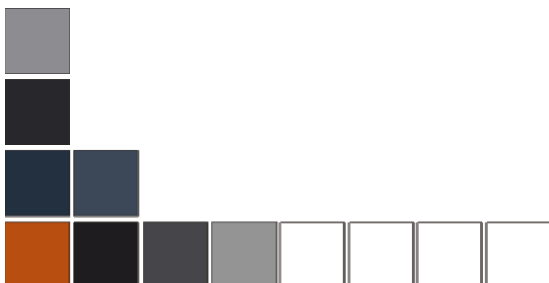
LoS	Traffic Signal / Roundabout	Give Way / Stop Sign / T-Junction control	Average Delay per Vehicle (secs/veh)
A	Good operation	Good operation	Less than 14
B	Good with acceptable delays and spare capacity	<i>Acceptable delays and spare capacity</i>	15 to 28
C	Satisfactory	Satisfactory, but accident study required	29 to 42
D	Operating near capacity	Near capacity & accident study required	43 to 56
E	At capacity, at signals incidents will cause excessive delays.	At capacity, requires other control mode	57 to 70
F	Unsatisfactory and requires additional capacity, Roundabouts require other control mode	At capacity, requires other control mode	>70

Source: RTA Guide to Traffic Generating Developments

Level of Service D is generally accepted by the NSW Roads and Traffic Authority as design constraint. It should also be noted that capacity constraint can be used as a demand management technique and that over-provision of capacity can encourage more car use.

The Average Vehicle Delay (AVD) provides a measure of the operational performance of an intersection as indicated below, which relates AVD to LOS. The AVD's should be taken as a guide only, as longer delays could be tolerated in some locations (i.e. inner city conditions) and on some roads (i.e. minor side street intersecting with a major arterial route). For traffic signals, the average delay over all movements should be taken. For roundabouts and priority control intersections (sign control) the critical movement for level of service assessment should be that movement with the highest average delay. The average delay ranges for each level of service band is also shown in Table J1.

The degree of saturation (DS), or the ratio of flow to capacity, is another measure of the operational performance of individual intersections. For intersections controlled by traffic signals both queue length and delay increase rapidly as DS approaches 1. And it is usual to attempt to keep DS to less than 0.9. Degrees of Saturation in the order of 0.7 generally represent satisfactory intersection operation. When DS exceed 0.9 queues can be anticipated.



Appendix K Austroads' Vehicle Classifications

AUSTROADS Vehicle Classification System

Level 1		Level 2		Level 3		AUSTROADS Classification	
Length (indicative)	Axes and Axle Groups	Vehicle Type	Typical Description	Class	Parameters	Typical Configuration	
Type	Axes	Groups					
Short up to 5.5m	1 or 2	3	Short Sedan, Wagon, 4WD, Utility, Light Van, Bicycle, Motorcycle, etc	1	$d(1) \leq 3.2m$ and axles = 2		LIGHT VEHICLES
			Short - Towing Trailer, Caravan, Boat, etc	2	groups = 3 $d(1) \geq 2.1m$, $d(1) \leq 3.2m$, $d(2) \geq 2.1m$ and axles = 3, 4 or 5		
Medium 5.5m to 14.5m	2	2	Two Axle Truck or Bus	3	$d(1) > 3.2m$ and axles = 2		HEAVY VEHICLES
	3	2	Three Axle Truck or Bus	4	axles = 3 and groups = 2		
	> 3	2	Four Axle Truck	5	axles > 3 and groups = 2		
	3	3	Three Axle Articulated Three axle articulated vehicle, or Rigid vehicle and trailer	6	$d(1) > 3.2m$, axles = 3 and groups = 3		
	4	> 2	Four Axle Articulated Four axle articulated vehicle, or Rigid vehicle and trailer	7	$d(2) < 2.1m$ or $d(1) < 2.1m$ or $d(1) > 3.2m$ axles = 4 and groups > 2		
Long 11.5m to 19.0m	5	> 2	Five Axle Articulated Five axle articulated vehicle, or Rigid vehicle and trailer	8	$d(2) < 2.1m$ or $d(1) < 2.1m$ or $d(1) > 3.2m$ axles = 5 and groups > 2		
	≥ 6	> 2	Six Axle Articulated Six axle articulated vehicle, or Rigid vehicle and trailer	9	axles = 6 and groups > 2 or axles > 6 and groups = 3		
	> 6	4	B Double B Double, or Heavy truck and trailer	10	groups = 4 and axles > 6		
Medium Combination 17.5m to 36.5m	> 6	5 or 6	Double Road Train Double road train, or Medium articulated vehicle and one dog trailer (M.A.D.)	11	groups = 5 or 6 and axles > 6		
	> 6	> 6	Triple Road Train Triple road train, or Heavy truck and three trailers	12	groups > 6 and axles > 6		

d(1): Distance between first and second axle

d(2): Distance between second and third axle

Group: Axle group, where adjacent axles are less than 2.1m apart

Groups: Number of axle groups

Axes: Number of axles (maximum axle spacing of 10.0m)

Definitions:

Group: Axle group, where adjacent axles are less than 2.1m apart

Groups: Number of axle groups

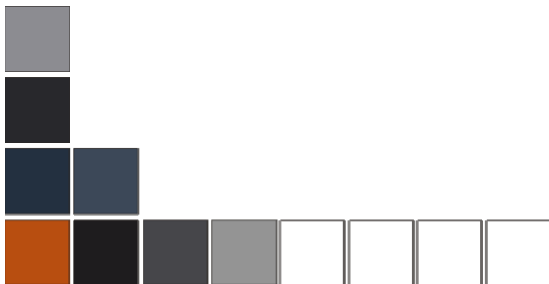
Axes: Number of axles (maximum axle spacing of 10.0m)

Appendix L

Existing Classification

Traffic Count

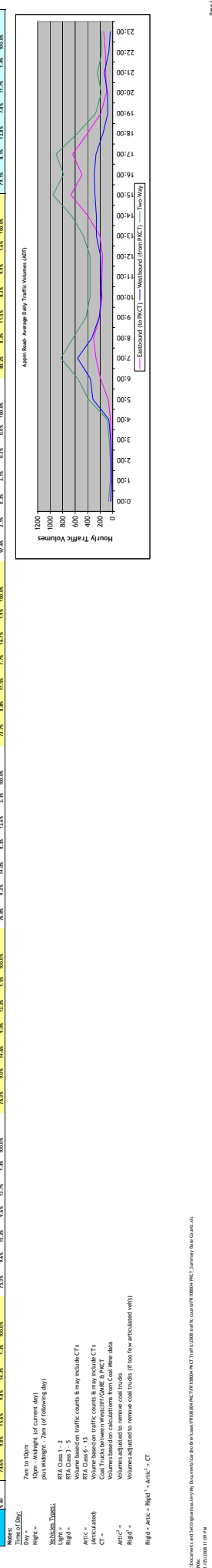
Summaries



This page intentionally left blank

Location: North of Princes Highway
Date: 14-Aug-2008

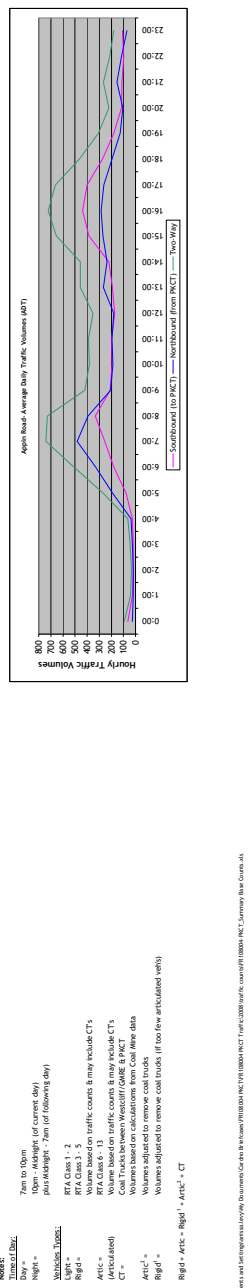
Table with columns for Direction, Time, and Volume. It is divided into sections for Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday, each with sub-sections for Westbound and Eastbound traffic. The table contains numerical data for vehicle counts and percentages.



PKCT EA - ROAD RECEIVALS REVIEW

Location: North of Princes Highway
Street:
Date: 11 Feb 2020

Table with columns for Direction, Weekday, Hour, and Volume. It contains detailed traffic volume data for Southbound and Northbound directions across various days of the week.



PKCT EA - ROAD RECEIVALS REVIEW

Location: A6300
 Project: A6300
 Location: A6300
 Date: 20/04/2020
 Author: J. G. G.

Direction	Monday 20/04/2020							Tuesday 21/04/2020							Wednesday 22/04/2020							Thursday 23/04/2020							Friday 24/04/2020							Saturday 25/04/2020							Sunday 26/04/2020							Total Week										
	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00				
Southbound (to RCT)	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
Northbound (from RCT)	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135		
Day	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436	1436			
Night	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135



Table with columns: Direction, Date, Hour, and various traffic volume metrics (Left, Right, Total, etc.) for Monday through Sunday.

Main data table with columns: Day, Hour, and traffic volume metrics for Northbound, Southbound, and Total directions. Includes daily and weekly totals.



Notes: Values adjusted to remove coal trucks (if low articulated vehicle), Values based on traffic counts, RTA Class 1 - 2, etc.

Location: No. 7, Southam Freeway Rd.
Street: West Wollongong, South of Princess Hwy near footbridge.
Date: 23 Feb - 1 Mar 2022

Table with columns for Day, Direction, Hour, and various traffic volume metrics (e.g., RTA Class 1-5, RTA Class 6-13, etc.). Includes a legend for vehicle types and a 'Notes' section at the bottom.



PKCT EA - ROAD RECEIVALS REVIEW

Location: No. 5, Ambers Road
Address: At 51, Thomas Between The Avenue and Springfield Rd
Location:
Date: 23 Feb - 1 Mar 2022

Main data table with columns for Direction, Day, Hour, and various traffic volume metrics (Left, Right, Total, etc.) for Monday through Sunday.



Location No. 6, Springfield Road
Location: Centon Between Masters Rd and Corral St
Date: 20/01/2018
Map: 0 - 14 Mar 2008

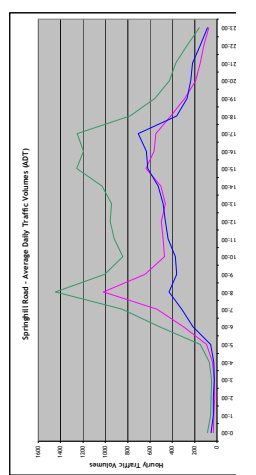
Main data table with columns for Direction, Date, Time, and various traffic volume metrics (Left, Right, Total, etc.) for Monday through Friday.



PKCT EA - ROAD RECEIVALS REVIEW

Location: No. 6 Springfield Road
Street: Canton Between Masters Rd and Corral St
Location: 300' E of 2nd Ave
Date: 10/21/2008

Main data table with columns for Direction, Weekday, Hour, and various traffic volume metrics (Left, Right, Through, etc.) for Monday through Sunday.



Notes:
From the 0:00
10pm - All night (of current day)
Night = 7pm of following day
Vehicle Types:
Light = Passenger car
Right = RTA Class 1 - 2
Left = RTA Class 1 - 3
Artic = RTA Class 1 - 4
Artic = RTA Class 1 - 5
Artic = RTA Class 1 - 6
Artic = RTA Class 1 - 7
Artic = RTA Class 1 - 8
Artic = RTA Class 1 - 9
Artic = RTA Class 1 - 10
Artic = RTA Class 1 - 11
Artic = RTA Class 1 - 12
Artic = RTA Class 1 - 13
Artic = RTA Class 1 - 14
Artic = RTA Class 1 - 15
Artic = RTA Class 1 - 16
Artic = RTA Class 1 - 17
Artic = RTA Class 1 - 18
Artic = RTA Class 1 - 19
Artic = RTA Class 1 - 20
Artic = RTA Class 1 - 21
Artic = RTA Class 1 - 22
Artic = RTA Class 1 - 23
Artic = RTA Class 1 - 24
Artic = RTA Class 1 - 25
Artic = RTA Class 1 - 26
Artic = RTA Class 1 - 27
Artic = RTA Class 1 - 28
Artic = RTA Class 1 - 29
Artic = RTA Class 1 - 30
Artic = RTA Class 1 - 31
Artic = RTA Class 1 - 32
Artic = RTA Class 1 - 33
Artic = RTA Class 1 - 34
Artic = RTA Class 1 - 35
Artic = RTA Class 1 - 36
Artic = RTA Class 1 - 37
Artic = RTA Class 1 - 38
Artic = RTA Class 1 - 39
Artic = RTA Class 1 - 40
Artic = RTA Class 1 - 41
Artic = RTA Class 1 - 42
Artic = RTA Class 1 - 43
Artic = RTA Class 1 - 44
Artic = RTA Class 1 - 45
Artic = RTA Class 1 - 46
Artic = RTA Class 1 - 47
Artic = RTA Class 1 - 48
Artic = RTA Class 1 - 49
Artic = RTA Class 1 - 50
Artic = RTA Class 1 - 51
Artic = RTA Class 1 - 52
Artic = RTA Class 1 - 53
Artic = RTA Class 1 - 54
Artic = RTA Class 1 - 55
Artic = RTA Class 1 - 56
Artic = RTA Class 1 - 57
Artic = RTA Class 1 - 58
Artic = RTA Class 1 - 59
Artic = RTA Class 1 - 60
Artic = RTA Class 1 - 61
Artic = RTA Class 1 - 62
Artic = RTA Class 1 - 63
Artic = RTA Class 1 - 64
Artic = RTA Class 1 - 65
Artic = RTA Class 1 - 66
Artic = RTA Class 1 - 67
Artic = RTA Class 1 - 68
Artic = RTA Class 1 - 69
Artic = RTA Class 1 - 70
Artic = RTA Class 1 - 71
Artic = RTA Class 1 - 72
Artic = RTA Class 1 - 73
Artic = RTA Class 1 - 74
Artic = RTA Class 1 - 75
Artic = RTA Class 1 - 76
Artic = RTA Class 1 - 77
Artic = RTA Class 1 - 78
Artic = RTA Class 1 - 79
Artic = RTA Class 1 - 80
Artic = RTA Class 1 - 81
Artic = RTA Class 1 - 82
Artic = RTA Class 1 - 83
Artic = RTA Class 1 - 84
Artic = RTA Class 1 - 85
Artic = RTA Class 1 - 86
Artic = RTA Class 1 - 87
Artic = RTA Class 1 - 88
Artic = RTA Class 1 - 89
Artic = RTA Class 1 - 90
Artic = RTA Class 1 - 91
Artic = RTA Class 1 - 92
Artic = RTA Class 1 - 93
Artic = RTA Class 1 - 94
Artic = RTA Class 1 - 95
Artic = RTA Class 1 - 96
Artic = RTA Class 1 - 97
Artic = RTA Class 1 - 98
Artic = RTA Class 1 - 99
Artic = RTA Class 1 - 100

Location No. 6, Springfield Road

Location: Centon Between Masters Rd and Corral St
Date: 20 May 2008
Time: 7:00 AM - 7:00 PM

Table with columns for Day, Direction, and Time. Rows include Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, and Total. Each row contains data for Northbound and Southbound directions across various time intervals.



Location: Springfield Road
Location: Canton Between Malers Rd and Corral St
Date: 23 Feb - 1 Mar 2022

Table with columns for Direction, Date, Time, and Volume. It contains detailed traffic volume data for various directions (Northbound, Southbound, Westbound, Eastbound) across multiple dates and times.



Location: No. 7 Belmont Lane
Location: Belmont Between Prices Highway and Glaston Street
Date: 14-Mar-2008

Table with columns for Direction, Date, Time, and various traffic volume metrics (Left, Right, Total, etc.) for Monday through Friday. Includes a 'Notes' section at the bottom.



PKCT EA - ROAD RECEIVALS REVIEW

Location: No. 7 Belmont Lane
Location: Belmont Between Prices Highway and Glastonbury Street
Date: 10 - 21 April 2008

Table with columns for Direction, Day, Hour, and Volume. It contains detailed traffic volume data for various days and times, categorized by direction (Eastbound and Westbound).



PKCT EA - ROAD RECEIVALS REVIEW

Location: Northern Distributor
Street: Wotton Road
Location: Wotton Road Between Railway Street and Belmont Lane
Map: 14/10/2008

Table with columns for Direction, Day, Hour, and various traffic metrics (V, S, A, etc.) for Monday through Sunday. Includes a 'Notes' section at the bottom right.



Location: No. 8 Northern Distributor
Street: Wellington Between Railway Street and Belmont Lane
Location: 100' - 21' June 2008
Date: 10/11/2008

Table with columns for Direction, Date, Time, and various traffic volume metrics (e.g., 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000, 11000, 12000, 13000, 14000, 15000, 16000, 17000, 18000, 19000, 20000, 21000, 22000, 23000). Rows are organized by day of the week (Monday to Sunday) and time of day (Morning, Afternoon, Evening, Night).



Appendix M

Road Haulage Routes

Existing Capacity & Level of Service

This page intentionally left blank

PKCT EA ROAD HAULAGE REVIEW EXISTING ROAD CAPACITY & LOS - AM PEAK

GEOGRAPHY		CATEGORY				VARIABLES						OUTPUT					
Location	Street	between	and	Year of Count	Public/Private	Urban/Rural	Carriageway Type	URB		Existing AM Peak		Both		LoS			
								to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	to PKCT	from PKCT
Appin Rd	Appin Mine Access	West Cliff Mine Access		2006	Public	Rural	U2L	-	-	267	21%	560	12%	827	68	B	C
Appin Rd	West Cliff Mine Access	Dharawal Conserv Ent		2006	Public	Rural	U2L	-	-	267	21%	560	12%	827	68	B	C
Appin Rd	Dharawal Conserv Ent	No. 10A Fire Road		2006	Public	Rural	U2L	-	-	267	21%	560	12%	827	68	C	D
Appin Rd	No. 10A Fire Road	Mount Ousley Rd		2006	Public	Rural	U2L	-	-	267	21%	560	12%	827	68	C	D
Mount Ousley Rd	Appin Rd	Picton Rd		2007	Public	Rural	UML	-	-	2,148	10%	1,439	14%	3,587	60	D	C
Mount Ousley Rd	Picton Rd	Southern Fwy		2007	Public	Rural	UML	-	-	2,148	10%	1,439	14%	3,587	60	D	C
Southern Fwy	Mount Ousley Rd	Northern Distributor		2007	Public	Urban	FWY	-	-	2,850	11%	3,932	8%	6,782	58	F	F
Southern Fwy	Northern Distributor	Princes Hwy		2007	Public	Urban	FWY	-	-	2,728	10%	4,018	7%	6,746	60	C	D
Southern Fwy	Princes Hwy	Masters Rd		2007	Public	Urban	FWY	-	-	2,728	10%	4,018	7%	6,746	60	D	F
Bellambi Ln	Princes Hwy	Northern Distributor		2008	Public	Urban	URB	4UC	4UC	751	6%	451	11%	1,202	62	A	A
Northern Distributor	Bellambi Ln	Railway St		2008	Public	Urban	UML	-	-	1,332	5%	736	13%	2,068	64	B	B
Northern Distributor	Railway St	Southern Fwy		2008	Public	Urban	UML	-	-	1,332	5%	736	13%	2,068	64	B	B
Masters Rd	Southern Fwy	Springhill Rd		2007	Public	Urban	URB	6DCL	6DCL	1,141	11%	883	14%	2,024	56	A	A
Springhill Rd	Masters Rd	Port Kembla Rd		2008	Public	Urban	URB	6DCL	6DCL	469	11%	1,087	5%	1,556	70	A	A
Springhill Rd	Masters Rd	Entry Road		2008	Public	Urban	URB	6DCL	6DCL	469	11%	1,087	5%	1,556	70	A	A

PKCT EA ROAD HAULAGE REVIEW EXISTING ROAD CAPACITY & LOS - PM PEAK

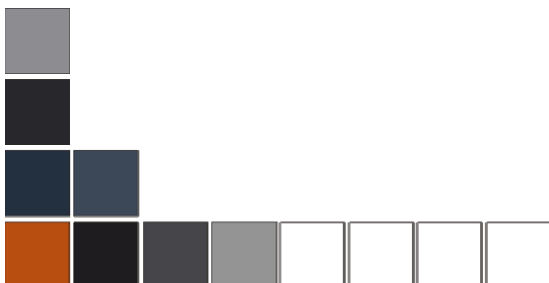
GEOGRAPHY		CATEGORY				VARIABLES						OUTPUT						
						Existing								LoS				
						PM Peak			Both									
Location	Street	between	and	Year of Count	Public/Private	Urban/Rural	Carriageway Type	URB		to PKCT	Veh/hr	% HV	From PKCT	Veh/hr	% HV	Both	to PKCT	flow
								to PKCT	from PKCT									
Appin Rd	Appin Mine Access	West Cliff Mine Access		2006	Public	Rural	U2L	-	-	639	9%	267	13%	906	71	71	C	B
Appin Rd	West Cliff Mine Access	Dharawal Conserv Ent		2006	Public	Rural	U2L	-	-	639	9%	267	13%	906	71	71	C	B
Appin Rd	Dharawal Conserv Ent	No. 10A Fire Road		2006	Public	Rural	U2L	-	-	639	9%	267	13%	906	71	71	D	C
Appin Rd	No. 10A Fire Road	Mount Ousley Rd		2006	Public	Rural	U2L	-	-	639	9%	267	13%	906	71	71	D	C
Mount Ousley Rd	Appin Rd	Picton Rd		2007	Public	Rural	UML	-	-	1,857	6%	1,506	7%	3,363	55	55	C	C
Mount Ousley Rd	Picton Rd	Southern Fwy		2007	Public	Rural	UML	-	-	1,857	6%	1,506	7%	3,363	55	55	C	B
Southern Fwy	Mount Ousley Rd	Northern Distributor		2007	Public	Urban	FWY	-	-	3,430	5%	2,842	5%	6,272	55	55	F	E
Southern Fwy	Northern Distributor	Princes Hwy		2007	Public	Urban	FWY	-	-	3,450	5%	2,742	4%	6,192	56	56	C	B
Southern Fwy	Princes Hwy	Masters Rd		2007	Public	Urban	FWY	-	-	3,450	5%	2,742	4%	6,192	56	56	E	D
Bellambi Ln	Princes Hwy	Northern Distributor		2008	Public	Urban	URB	4UC	4UC	417	4%	660	3%	1,077	61	61	A	A
Northern Distributor	Bellambi Ln	Railway St		2008	Public	Urban	UML	-	-	741	3%	1,196	5%	1,937	62	62	A	B
Northern Distributor	Railway St	Southern Fwy		2008	Public	Urban	UML	-	-	741	3%	1,196	5%	1,937	62	62	A	B
Masters Rd	Southern Fwy	Springhill Rd		2007	Public	Urban	URB	6DCL	6DCL	660	4%	1,841	10%	2,501	74	74	A	A
Springhill Rd	Masters Rd	Port Kembla Rd		2008	Public	Urban	URB	6DCL	6DCL	781	2%	622	3%	1,403	56	56	A	A
Springhill Rd	Masters Rd	Entry Road		2008	Public	Urban	URB	6DCL	6DCL	781	2%	622	3%	1,403	56	56	A	A

Appendix N

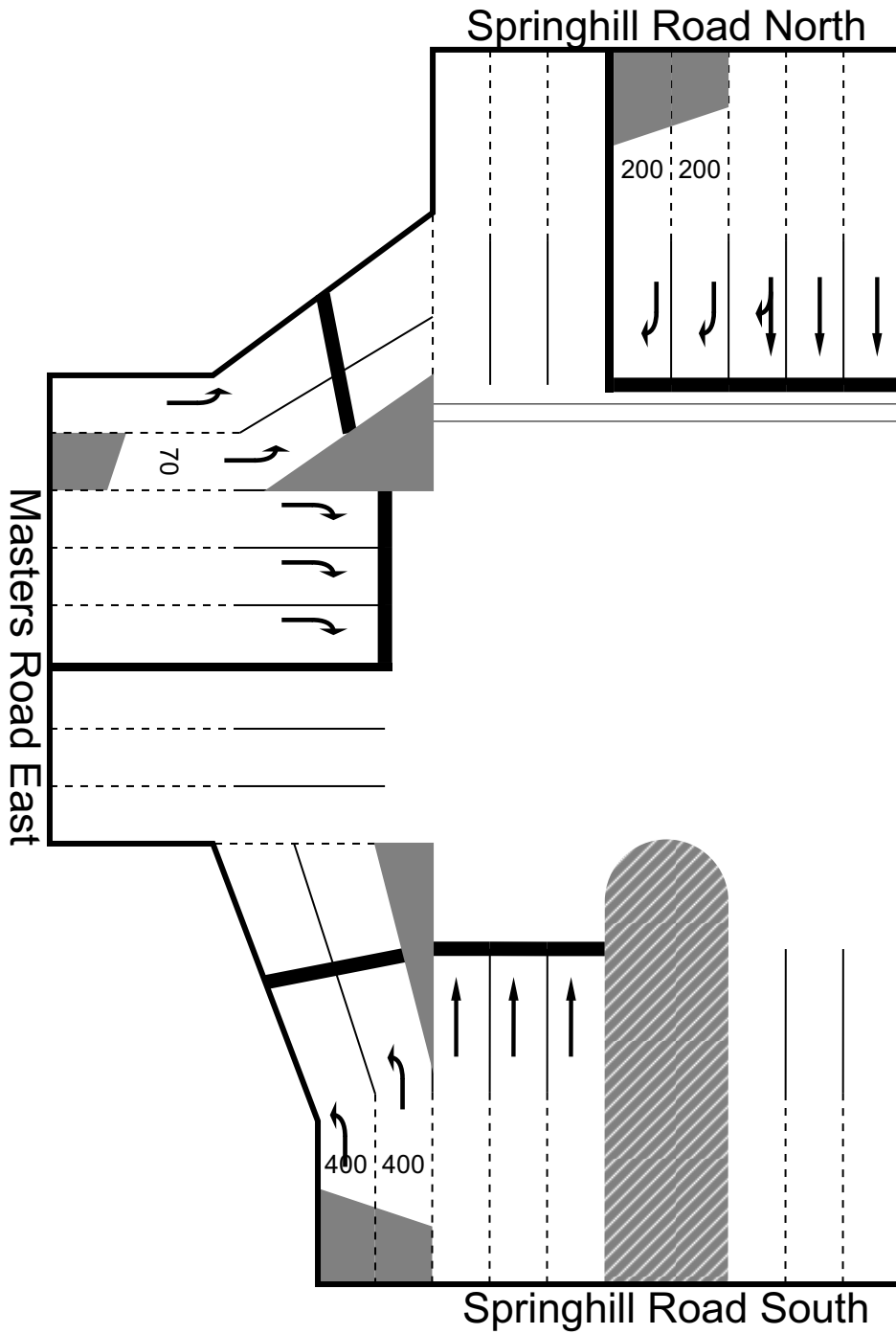
SIDRA Movement

Summaries

Existing AM Peak



Intersection Layout Masters Road/Springhill Road



Movement Summary Masters Road/Springhill Road

2008 AM Peak

Signalised - Fixed time

Cycle Time = 100 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Springhill Road South										
1	L	495	11.3	0.180	14.0	LOS A	30	0.25	0.73	55.6
2	T	2386	4.9	0.859	30.7	LOS C	277	0.95	0.94	40.3
Approach		2881	6.0	0.859	27.8	LOS B	277	0.83	0.91	42.3
Springhill Road North										
8	T	644	12.9	0.365	16.9	LOS B	88	0.66	0.57	51.9
9	R	282	26.6	0.753	67.1	LOS E	56	1.00	0.87	25.4
Approach		926	17.1	0.753	32.2	LOS C	88	0.77	0.66	39.5
Masters Road East										
10	L	517	10.4	0.681	48.6	LOS D	112	0.94	0.85	31.2
12	R	730	11.0	0.565	47.5	LOS D	93	0.93	0.83	31.6
Approach		1247	10.7	0.681	47.9	LOS D	112	0.93	0.84	31.4
All Vehicles		5054	9.2	0.859	33.6	LOS C	277	0.84	0.84	38.5

Phasing Summary

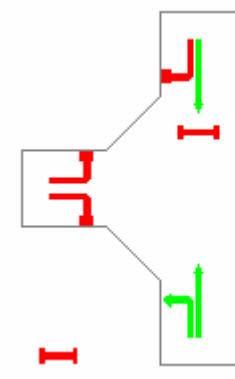
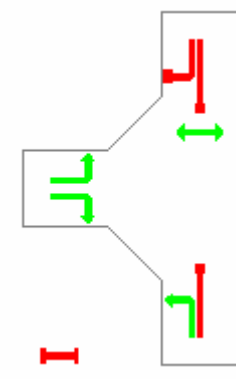
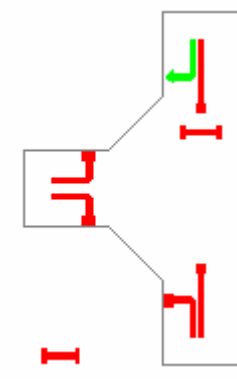
Masters Road/Springhill Road

2008 AM Peak

C = **100** seconds

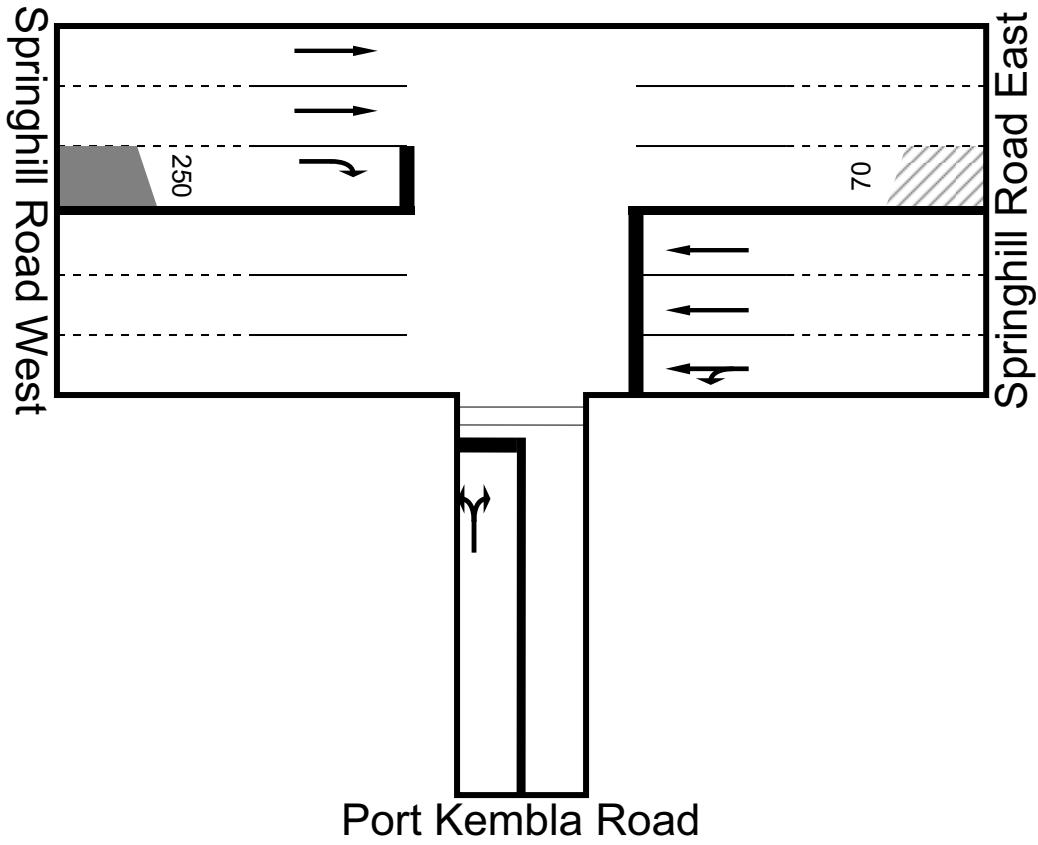
Cycle Time Option: **Program calculated cycle time**

Phase times determined by the program.

Phase A	Phase B	Phase C
		
<p>Green Time = 49 seconds Phase Time = 55 seconds Phase Split = 55 %</p>	<p>Green Time = 25 seconds Phase Time = 31 seconds Phase Split = 31 %</p>	<p>Green Time = 8 seconds Phase Time = 14 seconds Phase Split = 14 %</p>

- Normal Movement
- Slip-Lane
- Stopped Movement
- Turn On Red
- Permitted/Opposed
- Opposed Slip-Lane
- Continuous

Intersection Layout Springhill Rd/Port Kembla Road



Movement Summary

Springhill Road/Port Kembla Road

2008 AM Peak

Signalised - Fixed time

Cycle Time = 40 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Port kembla Road										
1	L	31	71.0	0.096	23.2	LOS B	9	0.73	0.74	41.8
3	R	8	25.0	0.096	21.0	LOS B	9	0.73	0.74	41.8
Approach		39	61.5	0.096	22.8	LOS B	9	0.73	0.74	41.8
Springhill Road East										
4	L	12	0.0	0.338	24.0	LOS B	28	0.86	0.79	41.8
5	T	465	6.0	0.339	14.0	LOS A	28	0.86	0.69	55.2
Approach		477	5.9	0.339	14.2	LOS A	28	0.86	0.69	54.8
Springhill Road West										
11	T	1040	3.2	0.272	0.0	LOS A#	7#	0.00	0.00	79.9
12	R	38	73.7	0.208	31.2	LOS C	13	0.91	0.74	38.9
Approach		1078	5.7	0.272	1.1	LOS A	13	0.03	0.03	77.4
All Vehicles		1594	7.1	0.339	5.6	LOS A	28	0.30	0.24	67.6

Phasing Summary

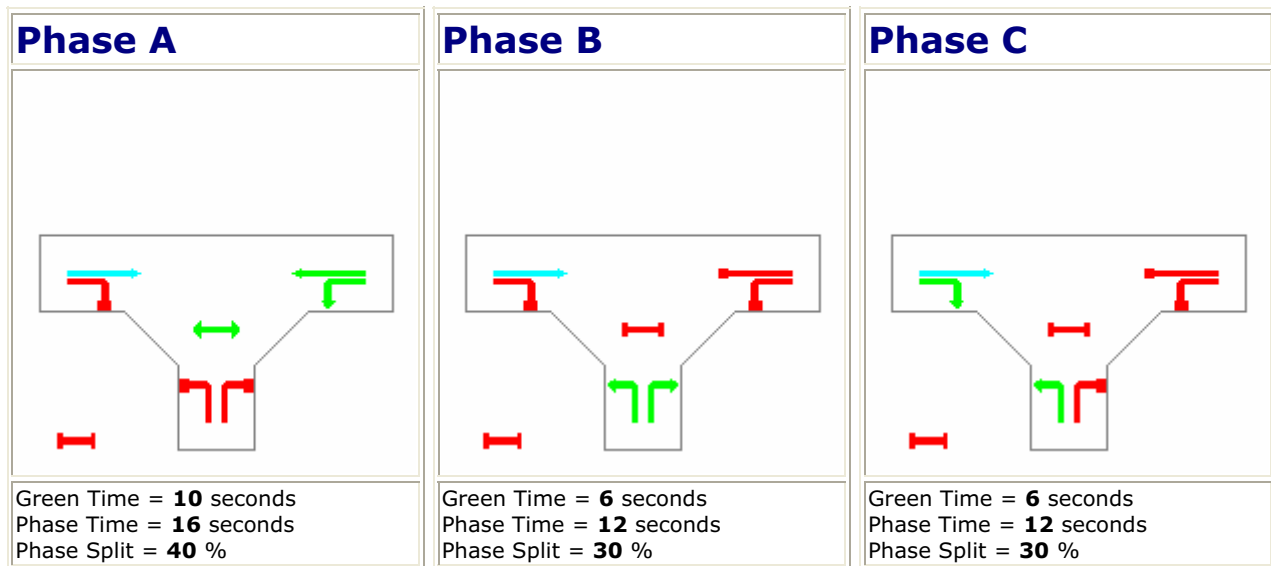
Springhill Road/Port Kembla Road

2008 AM Peak

C = 40 seconds

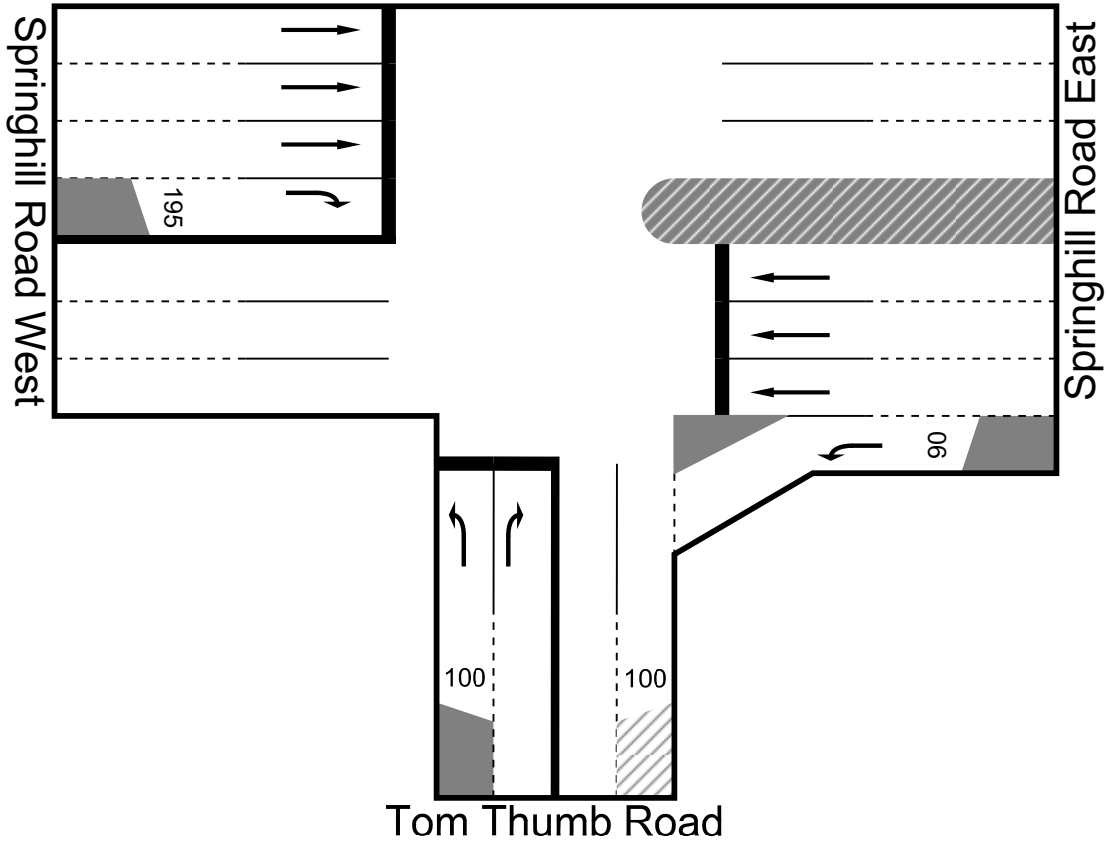
Cycle Time Option: **Program calculated cycle time**

Phase times determined by the program.



- Normal Movement
- Slip-Lane
- Stopped Movement
- Turn On Red
- Permitted/Opposed
- Opposed Slip-Lane
- Continuous

Intersection Layout Springhill Rd/Tom Thumb Rd



Movement Summary

Springhill Road/Tom Thumb Road

2008 AM Peak

Signalised - Fixed time Cycle Time = 70 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tom Thumb Road										
1	L	48	70.8	0.151	33.2	LOS C	22	0.81	0.75	32.5
3	R	6	33.3	0.047	42.7	LOS D	3	0.94	0.66	28.0
Approach		54	66.7	0.151	34.3	LOS C	22	0.82	0.74	32.0
Springhill Road East										
4	L	15	0.0	0.010	8.1	LOS A	0	0.18	0.62	48.8
5	T	828	12.2	0.267	8.1	LOS A	49	0.54	0.46	49.0
Approach		843	12.0	0.267	8.1	LOS A	49	0.53	0.46	49.0
Springhill Road West										
11	T	2574	4.6	0.793	15.0	LOS B	182	0.85	0.82	42.5
12	R	53	66.0	0.490	47.1	LOS D	31	0.99	0.76	26.9
Approach		2627	5.9	0.793	15.6	LOS B	182	0.85	0.82	42.0
All Vehicles		3524	8.3	0.793	14.1	LOS A	182	0.77	0.73	43.3

Phasing Summary

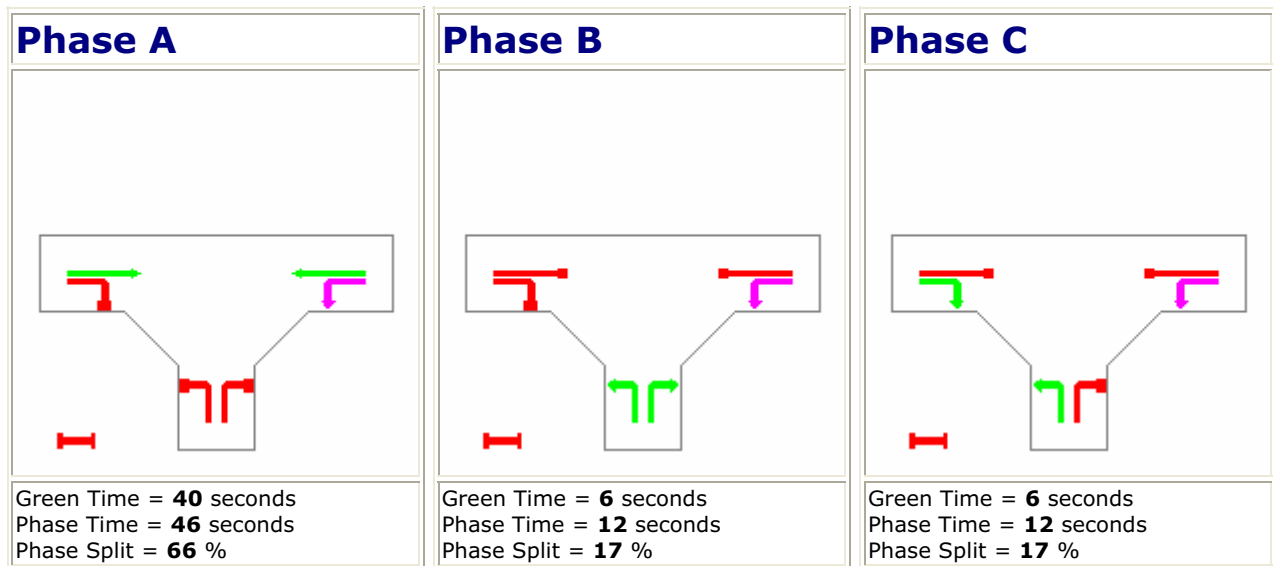
Springhill Road/Tom Thumb Road

2008 AM Peak

C = 70 seconds

Cycle Time Option: **Program calculated cycle time**

Phase times determined by the program.



- | | |
|--|---|
|  Normal Movement |  Permitted/Opposed |
|  Slip-Lane |  Opposed Slip-Lane |
|  Stopped Movement |  Continuous |
|  Turn On Red | |

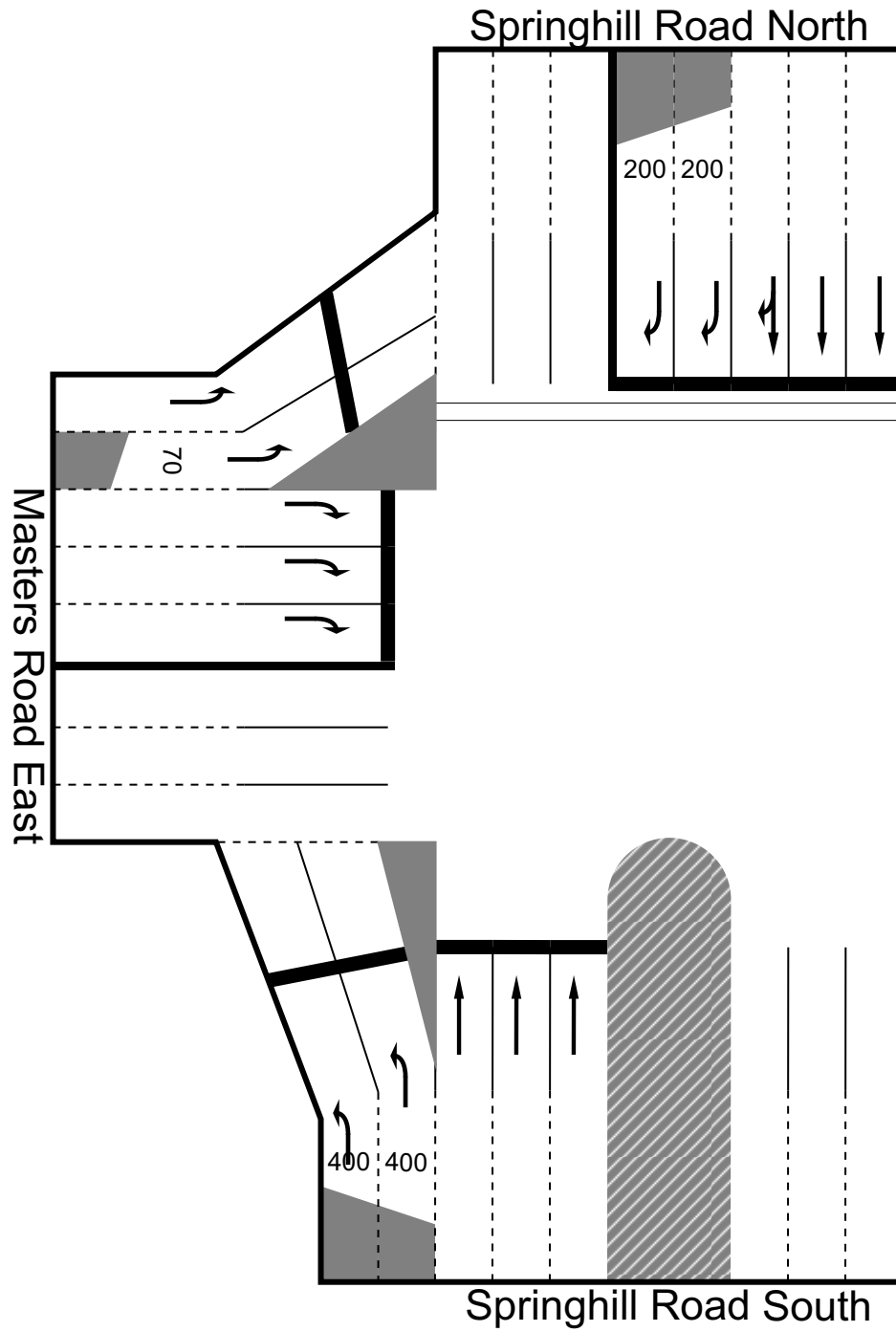
Appendix O

SIDRA Movement

Summaries

Existing PM Peak

Intersection Layout Masters Road/Springhill Road



Movement Summary Masters Road/Springhill Road

2008 PM Peak

Signalised - Fixed time Cycle Time = 120 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Springhill Road South										
1	L	817	5.1	0.391	25.6	LOS B	103	0.58	0.80	43.9
2	T	1256	3.7	0.677	37.7	LOS C	157	0.93	0.81	36.2
Approach		2073	4.3	0.677	32.9	LOS C	157	0.79	0.81	38.9
Springhill Road North										
8	T	1164	4.7	0.732	38.6	LOS C	172	0.95	0.83	35.7
9	R	1029	2.9	0.732	50.7	LOS D	172	0.95	0.87	30.2
Approach		2193	3.9	0.732	44.3	LOS D	173	0.95	0.85	32.9
Masters Road East										
10	L	188	4.8	0.286	54.4	LOS D	50	0.88	0.78	29.0
12	R	680	12.4	0.637	59.2	LOS E	106	0.97	0.83	27.5
Approach		868	10.7	0.638	58.1	LOS E	106	0.95	0.82	27.8
All Vehicles		5134	5.2	0.732	42.0	LOS C	172	0.88	0.83	34.0

Phasing Summary

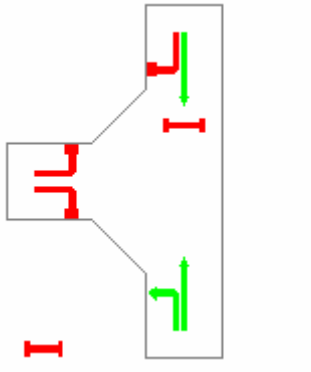
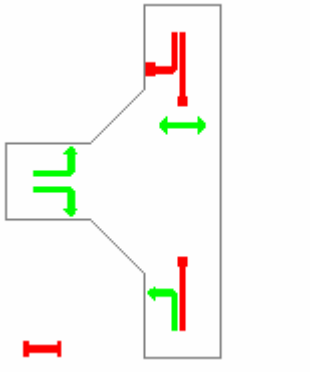
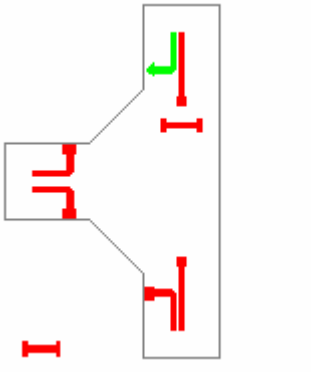
Masters Road/Springhill Road

2008 PM Peak

C = 120 seconds

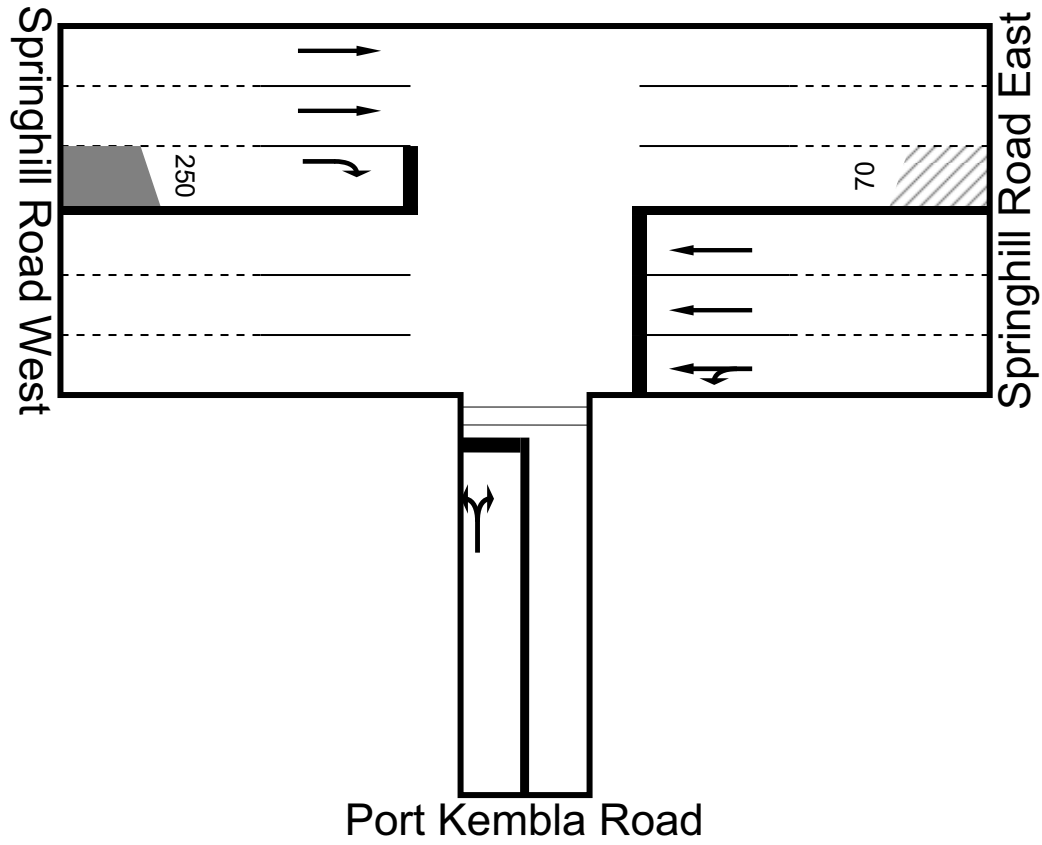
Cycle Time Option: **Program** calculated cycle time

Phase times determined by the program.

Phase A	Phase B	Phase C
		
<p>Green Time = 39 seconds Phase Time = 45 seconds Phase Split = 38 %</p>	<p>Green Time = 25 seconds Phase Time = 31 seconds Phase Split = 26 %</p>	<p>Green Time = 38 seconds Phase Time = 44 seconds Phase Split = 37 %</p>

- Normal Movement
- Slip-Lane
- Stopped Movement
- Turn On Red
- Permitted/Opposed
- Opposed Slip-Lane
- Continuous

Intersection Layout - Springhill Road/Port Kembla Road



Movement Summary

Springhill Road/Port Kembla Road

2008 PM Peak

Signalised - Fixed time Cycle Time = 40 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Port Kembla Road										
1	L	67	34.3	0.230	23.6	LOS B	19	0.81	0.77	40.3
3	R	28	3.6	0.230	22.1	LOS B	19	0.81	0.77	40.3
Approach		95	25.3	0.230	23.2	LOS B	19	0.81	0.77	40.3
Springhill Road East										
4	L	5	20.0	0.741	28.4	LOS B	63	0.97	0.91	39.2
5	T	1041	2.6	0.728	17.4	LOS B	63	0.97	0.89	51.3
Approach		1046	2.7	0.728	17.4	LOS B	63	0.97	0.89	51.3
Springhill Road West										
11	T	569	8.4	0.154	0.0	LOS A#	4#	0.00	0.00	79.9
12	R	36	75.0	0.199	31.2	LOS C	12	0.91	0.74	38.9
Approach		605	12.4	0.198	1.9	LOS A	12	0.05	0.04	75.8
All Vehicles		1746	7.3	0.741	12.4	LOS A	63	0.64	0.59	56.8

Phasing Summary

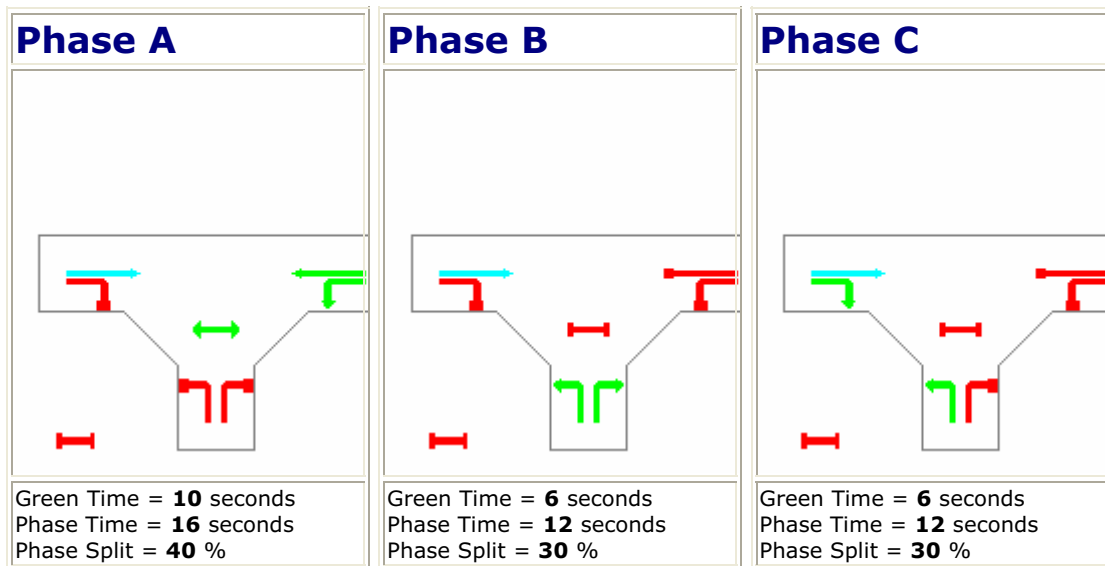
Springhill Road/Port Kembla Road

2008 PM Peak

C = 40 seconds

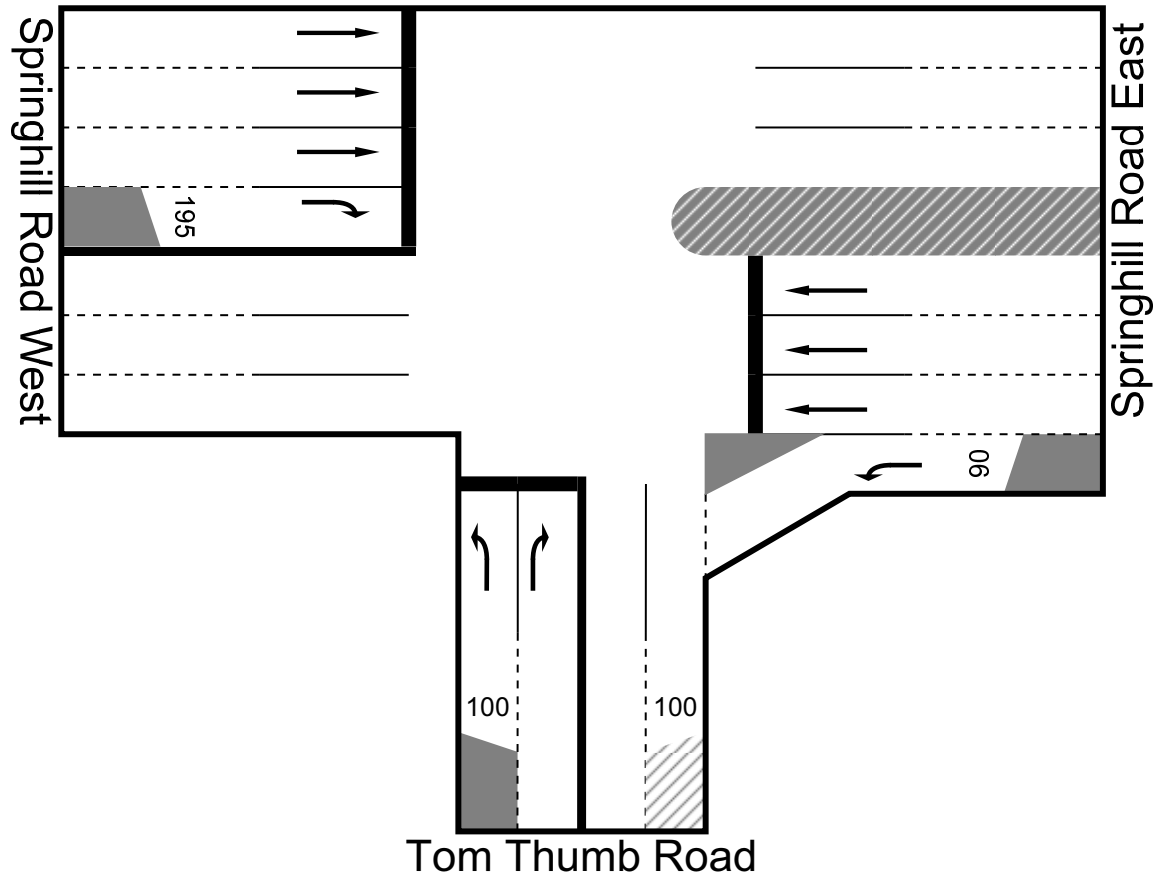
Cycle Time Option: **Program calculated cycle time**

Phase times determined by the program.



- █ Normal Movement
- █ Slip-Lane
- █ Stopped Movement
- █ Turn On Red
- █ Permitted/Opposed
- █ Opposed Slip-Lane
- █ Continuous

Intersection Layout Springhill Road/Tom Thumb Road



Movement Summary

Springhill Road/Tom Thumb Road

2008 PM Peak

Signalised - Fixed time Cycle Time = 50 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tom Thumb Road										
1	L	76	15.8	0.126	20.6	LOS B	15	0.70	0.75	38.7
3	R	27	3.7	0.124	30.7	LOS C	7	0.92	0.71	32.6
Approach		103	12.6	0.126	23.2	LOS B	15	0.76	0.74	36.9
Springhill Road East										
4	L	8	25.0	0.007	9.0	LOS A	0	0.25	0.62	48.4
5	T	1858	2.9	0.809	19.0	LOS B	122	0.95	0.96	39.4
Approach		1866	3.0	0.809	19.0	LOS B	122	0.95	0.96	39.4
Springhill Road West										
11	T	1320	3.6	0.577	12.9	LOS A	74	0.83	0.72	44.3
12	R	13	38.5	0.074	32.1	LOS C	4	0.91	0.69	32.5
Approach		1333	4.0	0.577	13.1	LOS A	74	0.83	0.72	44.1
All Vehicles		3302	3.7	0.809	16.8	LOS B	122	0.89	0.86	41.1

Phasing Summary

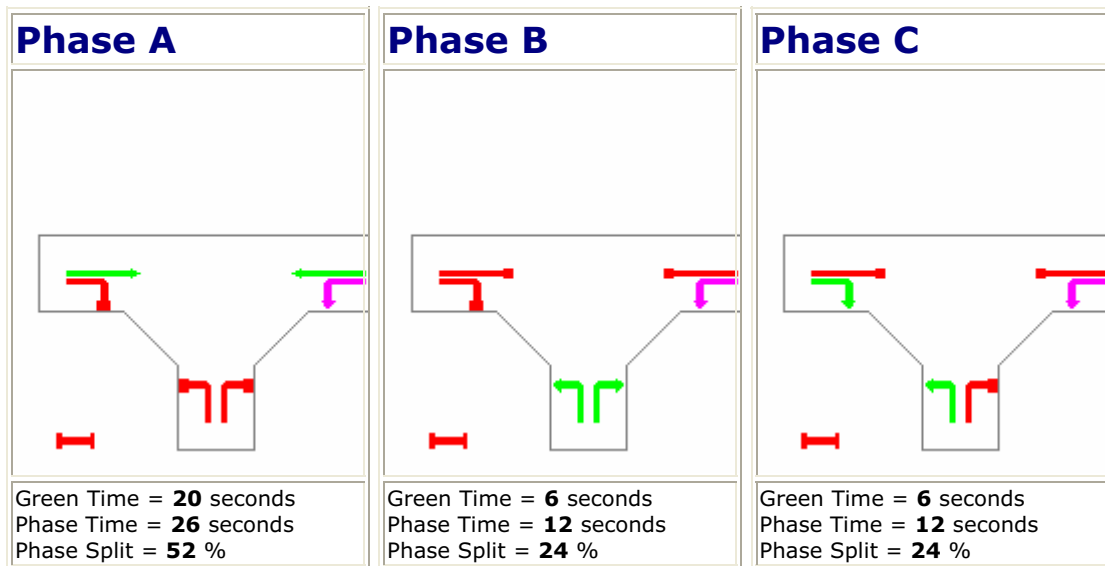
Springhill Road/Tom Thumb Road

2008 PM Peak

C = **50** seconds

Cycle Time Option: **Program calculated cycle time**

Phase times determined by the program.

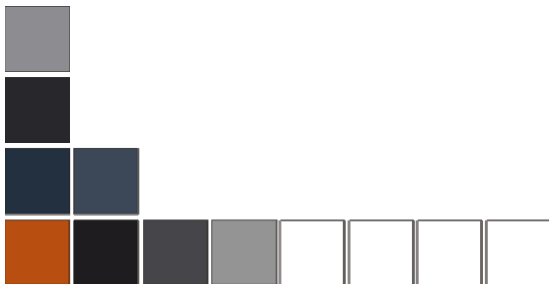


- | | |
|------------------|-------------------|
| Normal Movement | Permitted/Opposed |
| Slip-Lane | Opposed Slip-Lane |
| Stopped Movement | Continuous |
| Turn On Red | |

Appendix P

Crash Data

2002-2007



This page intentionally left blank



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES	
Car Crash	100	Speeding	10	Intersection, adjacent approaches	Fatal crash	0	0.0%	Killed	0
Light Truck Crash	20	Fatigue	2	Head-on (not overtaking)	Injury crash	25	23.8%	Injured	28
Rigid Truck Crash	8	Alcohol	3	Opposing vehicles; turning	Non-casualty crash	80	76.2%	Unrestrained	0
Articulated Truck Crash	1	Weather		U-turn	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn				
Heavy Truck Crash	(9)	Fine	77	Rear-end	Time Group	% of Day	Crashes	Casualties	
Bus Crash	0	Rain	15	Lane change	00:01 - 02:59	1	1.0%	17	2007
Heavy Vehicle Crash	(9)	Overcast	13	Parallel lanes; turning	03:00 - 04:59	2	1.9%	14	2006
Emergency Vehicle Crash	1	Fog or mist	0	Vehicle leaving driveway	05:00 - 05:59	1	1.0%	20	2005
Motorcycle Crash	1	Other	0	Overtaking; same direction	06:00 - 06:59	6	5.7%	23	2004
Pedal Cycle Crash	2	Road Surface Condition		Hit parked vehicle	07:00 - 07:59	3	2.9%	23	2003
Pedestrian Crash	0	Wet	22	Hit railway train	08:00 - 08:59	12	11.4%	8	2002
* Rigid or Artic. Truck * Heavy Truck or Heavy Bus		Dry	83	Hit pedestrian	09:00 - 09:59	5	4.8%		
# These categories are NOT mutually exclusive		Snow or ice	0	Permanent obstruction on road	10:00 - 10:59	5	4.8%		
Intersection	21	Natural Lighting		Hit animal	11:00 - 11:59	7	6.7%		
Non intersection	84	Dawn	3	Off road, on straight	12:00 - 12:59	5	4.8%		
* Up to 10 metres from an intersection		Daylight	74	Off road on straight, hit object	13:00 - 13:59	6	5.7%		
* -07:30-09:30 or 14:30-17:00 on school days		Dusk	4	Out of control on straight	14:00 - 14:59	8	7.6%		
Single Vehicle	11	Darkness	24	Off road, on curve	15:00 - 15:59	6	5.7%		
Multi Vehicle	94	Speed Limit		Off road on curve, hit object	16:00 - 16:59	10	9.5%		
Road Classification		40 km/h or less	0	Out of control on curve	17:00 - 17:59	9	8.6%		
Freeway/Motorway	0	50 km/h zone	0	Other crash type	18:00 - 18:59	6	5.7%		
State Highway	0	60 km/h zone	12		19:00 - 19:59	3	2.9%		
Other Classified Road	105	70 km/h zone	5		20:00 - 21:59	4	3.8%		
Unclassified Road	0	Holiday Periods			22:00 - 24:00	6	5.7%		
Day of the Week		New Year			Street Lighting Off/Nil		% of Dark		
Monday	13	8	7.6%	Queen's BD	0	0.0%	Easter SH	2	1.9%
Tuesday	11	85	81.0%	Labour Day	0	0.0%	June/July SH	5	4.8%
Wednesday	20	20	19.0%	Easter	1	1.0%	Sept./Oct. SH	3	2.9%
				Anzac Day	0	0.0%	December SH	0	0.0%

Crashid dataset Springhill Road - Masters Road to Five Islands Road
 Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES		
Car Crash	63	Speeding	23	Intersection, adjacent approaches	1	Fatal crash	3	Killed	4	
Light Truck Crash	7	Fatigue	7	Head-on (not overtaking)	5	Injury crash	34	Injured	51	
Rigid Truck Crash	4	Alcohol	2	Opposing vehicles; turning	1	Non-casualty crash	34	Unrestrained	3	
Articulated Truck Crash	8	Weather		U-turn	3	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn				
"Heavy Truck Crash	(12)	Fine	45	Rear-end	10	Time Group	% of Day	Crashes	Casualties	
Bus Crash	0	Rain	20	Lane change	4	00:01 - 02:59	6	8	2007	
"Heavy Vehicle Crash	(12)	Overcast	4	Parallel lanes; turning	1	03:00 - 04:59	4	11	2006	
Emergency Vehicle Crash	1	Fog or mist	2	Vehicle leaving driveway	1	05:00 - 05:59	2	15	2005	
Motorcycle Crash	3	Other	0	Overtaking; same direction	0	06:00 - 06:59	1	18	2004	
Pedal Cycle Crash	0	Road Surface Condition		Hit parked vehicle	0	07:00 - 07:59	3	15	2003	
Pedestrian Crash	0	Wet	22	Hit railway train	0	08:00 - 08:59	1	4	2002	
* Rigid or Artic. Truck " Heavy Truck or Heavy Bus										
# These categories are NOT mutually exclusive										
Location Type		Natural Lighting		Off road, on straight		~ School Travel Time				
*Intersection	9	Dawn	1	Off road on straight, hit object	7	Involvement	7	9.9%		
Non intersection	62	Daylight	43	Out of control on straight	13	McLean Periods	% Week			
* Up to 10 metres from an intersection										
~ 07:30-09:30 or 14:30-17:00 on school days										
Collision Type		Speed Limit		Off road on curve, hit object						
Single Vehicle	41	40 km/h or less	0	Off road, on curve	6	A	8	11.3%	17.9%	
Multi Vehicle	30	50 km/h zone	1	Out of control on curve	11	B	3	4.2%	7.1%	
Road Classification		# Holiday Periods		Out of control on curve						
Freeway/Motorway	1	60 km/h zone	3	Other crash type	2	C	16	22.5%	17.9%	
State Highway	0	70 km/h zone	0		4	D	4	5.6%	3.6%	
Other Classified Road	70				4	E	4	5.6%	3.6%	
Unclassified Road	0				13	F	13	18.3%	10.7%	
Day of the Week		# Holiday Periods		~ 40km/h or less						
Monday	15	70 km/h zone	0	80 km/h zone	14	G	5	7.0%	7.1%	
Tuesday	9	80 km/h zone	1	90 km/h zone	0	H	9	12.7%	7.1%	
Wednesday	8	100 km/h zone	3	100 km/h zone	52	I	5	7.0%	12.5%	
Thursday	8	110 km/h zone	0	110 km/h zone	1	J	4	5.6%	10.7%	
Friday	9					Street Lighting Off/Nil % of Dark				
Saturday	8					22	of	23	in Dark	95.7%
Sunday	7									
Day of the Week		# Holiday Periods		New Year						
Monday	15	80 km/h zone	0	80 km/h zone	0	Queen's BD	1	1.4%	Easter SH	4
Tuesday	9	90 km/h zone	1	90 km/h zone	0	Labour Day	0	0.0%	June/July SH	5
Wednesday	8	100 km/h zone	3	100 km/h zone	1	Christmas	0	0.0%	Sept./Oct. SH	0
Thursday	8	110 km/h zone	0	110 km/h zone	2	January SH	6	8.5%	December SH	0
Friday	9									
Saturday	8									
Sunday	7									

Crashid dataset Appin Road - Appin to Mount Ousley Road
 Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		132	89.8%	Contributing Factors		Crash Movement		CRASHES		CASUALTIES			
Car Crash		27	18.4%	Speeding	11	7.5%	Intersection, adjacent approaches	17	11.6%	Fatal crash	3	2.0%	
Light Truck Crash		4	2.7%	Fatigue	8	5.4%	Head-on (not overtaking)	1	0.7%	Injury crash	55	37.4%	
Rigid Truck Crash		3	2.0%	Alcohol	5	3.4%	Opposing vehicles; turning	29	19.7%	Non-casualty crash	89	60.5%	
Articulated Truck Crash		(7)	(4.8%)	Weather		U-turn		0	0.0%	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn			
'Heavy Truck Crash		2	1.4%	Fine	112	76.2%	Rear-end	58	39.5%	Crashes			
Bus Crash		(8)	(5.4%)	Rain	19	12.9%	Lane change	9	6.1%	00:01 - 02:59	5	3.4%	
'Heavy Vehicle Crash		3	2.0%	Overcast	16	10.9%	Parallel lanes; turning	0	0.0%	03:00 - 04:59	3	2.0%	
Emergency Vehicle Crash		3	2.0%	Fog or mist	0	0.0%	Vehicle leaving driveway	0	0.0%	05:00 - 06:59	2	1.4%	
Motorcycle Crash		4	2.7%	Other	0	0.0%	Overtaking; same direction	0	0.0%	06:00 - 07:59	4	2.7%	
Pedal Cycle Crash		4	2.7%	Road Surface Condition		Hit parked vehicle		0	0.0%	07:00 - 08:59	1	0.7%	
Pedestrian Crash		4	2.7%	Wet	25	17.0%	Hit railway train	0	0.0%	08:00 - 09:59	16	10.9%	
*Rigid or Artic. Truck * Heavy Truck or Heavy Bus				Dry	122	83.0%	Hit pedestrian	4	2.7%	09:00 - 10:59	11	7.5%	
# These categories are NOT mutually exclusive				Snow or ice	0	0.0%	Permanent obstruction on road	0	0.0%	10:00 - 11:59	7	4.8%	
*Intersection		81	55.1%	Natural Lighting		Off road, on straight		1	0.7%	11:00 - 12:59	7	4.8%	
*Non intersection		66	44.9%	Dawn	2	1.4%	Off road on straight, hit object	1	0.7%	12:00 - 13:59	8	5.4%	
*Up to 10 metres from an intersection				Daylight	90	61.2%	Out of control on straight	15	10.2%	13:00 - 14:59	4	2.7%	
* - 07:30-09:30 or 14:30-17:00 on school days				Dusk	9	6.1%	Out of control on curve	2	1.4%	14:00 - 15:59	11	7.5%	
*Collision Type				Darkness	46	31.3%	Off road, on curve	0	0.0%	15:00 - 16:59	10	6.8%	
Single Vehicle		26	17.7%	Speed Limit		~ 40km/h or less		1	2.9%	16:00 - 17:59	7	4.8%	
Multi Vehicle		121	82.3%	40 km/h or less	1	0.7%	80 km/h zone	89	60.5%	17:00 - 18:59	6	4.1%	
Road Classification				50 km/h zone	6	4.1%	90 km/h zone	16	10.9%	18:00 - 19:59	7	4.8%	
Freeway/Motorway		0	0.0%	60 km/h zone	33	22.4%	100 km/h zone	1	0.7%	19:00 - 20:59	7	4.8%	
State Highway		127	86.4%	70 km/h zone	1	0.7%	110 km/h zone	0	0.0%	20:00 - 21:59	17	11.6%	
Other Classified Road		16	10.9%	# Holiday Periods		New Year		1	0.7%	22:00 - 24:00	7	4.8%	
Unclassified Road		4	2.7%	Monday	17	11.6%	Aust. Day	1	0.7%	Street Lighting Off/Nil	6	4.1%	
Day of the Week				Tuesday	20	13.6%	Easter	2	1.4%	Queen's BD	2	1.4%	
Monday		17	11.6%	Wednesday	26	17.7%	Anzac Day	2	1.4%	Labour Day	3	2.0%	
Tuesday		20	13.6%	Thursday	28	19.0%			Christmas	0	0.0%		
Wednesday		26	17.7%	Friday	23	15.6%			January SH	8	5.4%		
Thursday		28	19.0%	Saturday	17	11.6%			December SH	0	0.0%		
Friday		23	15.6%	WEEKDAY	114	77.6%			McLean Periods				
Saturday		17	11.6%	WEEKEND	33	22.4%			A	22	15.0%	17.9%	
Sunday		16	10.9%							B	4	2.7%	7.1%
WEEKDAY		114	77.6%							C	40	27.2%	17.9%
WEEKEND		33	22.4%							D	4	2.7%	3.5%
New Year		1	0.7%							E	4	2.7%	3.6%
Aust. Day		1	0.7%							F	20	13.6%	10.7%
Easter		2	1.4%							G	17	11.6%	7.1%
Anzac Day		2	1.4%							H	15	10.2%	7.1%
Queen's BD		2	1.4%							I	7	4.8%	12.5%
Labour Day		3	2.0%							J	14	9.5%	10.7%
Christmas		0	0.0%							~ School Travel Time			
January SH		8	5.4%							Involvement			
December SH		0	0.0%							35			
Easter SH		7	4.8%							McLean Periods			
June/July SH		6	4.1%							A	22	15.0%	17.9%
Sept./Oct. SH		7	4.8%							B	4	2.7%	7.1%
October SH		7	4.8%							C	40	27.2%	17.9%
November SH		0	0.0%							D	4	2.7%	3.5%
December SH		0	0.0%							E	4	2.7%	3.6%
Easter SH		7	4.8%							F	20	13.6%	10.7%
June/July SH		6	4.1%							G	17	11.6%	7.1%
Sept./Oct. SH		7	4.8%							H	15	10.2%	7.1%
November SH		0	0.0%							I	7	4.8%	12.5%
December SH		0	0.0%							J	14	9.5%	10.7%

Crashid dataset Northern Distributor - Bellambi Lane to Southern Freeway

Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES	
Car Crash	7 100.0%	Speeding	0 0.0%	Intersection, adjacent approaches	1 14.3%	Fatal crash	0 0.0%	Killed	0 0.0%
Light Truck Crash	1 14.3%	Fatigue	0 0.0%	Head-on (not overtaking)	0 0.0%	Injury crash	2 28.6%	Injured	2 100.0%
Rigid Truck Crash	0 0.0%	Alcohol	0 0.0%	Opposing vehicles; turning	1 14.3%	Non-casualty crash	5 71.4%	Unrestrained	0 0.0%
Articulated Truck Crash	0 0.0%	Weather		U-turn	1 14.3%	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn			
Heavy Truck Crash	(0) (0.0%)	Fine	6 85.7%	Rear-end	4 57.1%	Crashes			
Bus Crash	0 0.0%	Rain	1 14.3%	Lane change	0 0.0%	00:01 - 02:59	0 0.0%	2006	0
Heavy Vehicle Crash	(0) (0.0%)	Overcast	0 0.0%	Parallel lanes; turning	0 0.0%	03:00 - 04:59	0 0.0%	2003	2
Emergency Vehicle Crash	0 0.0%	Fog or mist	0 0.0%	Vehicle leaving driveway	0 0.0%	05:00 - 05:59	0 0.0%	2002	0
Motorcycle Crash	0 0.0%	Other	0 0.0%	Overtaking; same direction	0 0.0%	06:00 - 06:59	0 0.0%		
Pedal Cycle Crash	0 0.0%	Road Surface Condition		Hit parked vehicle	0 0.0%	07:00 - 07:59	0 0.0%		
Pedestrian Crash	0 0.0%	Wet	1 14.3%	Hit railway train	0 0.0%	08:00 - 08:59	1 14.3%		
* Rigid or Artic. Truck * Heavy Truck or Heavy Bus		Dry	6 85.7%	Hit pedestrian	0 0.0%	09:00 - 09:59	2 28.6%		
# These categories are NOT mutually exclusive		Snow or ice	0 0.0%	Permanent obstruction on road	0 0.0%	10:00 - 10:59	1 14.3%		
Location Type	3 42.9%	Natural Lighting		Hit animal	0 0.0%	11:00 - 11:59	1 14.3%		
* Intersection	4 57.1%	Dawn	0 0.0%	Off road, on straight	0 0.0%	12:00 - 12:59	0 0.0%		
Non intersection	4 57.1%	Daylight	7 100.0%	Off road on straight, hit object	0 0.0%	13:00 - 13:59	0 0.0%		
* Up to 10 metres from an intersection		Dusk	0 0.0%	Out of control on straight	0 0.0%	14:00 - 14:59	0 0.0%		
- 07:30-09:30 or 14:30-17:00 on school days		Darkness	0 0.0%	Off road, on curve	0 0.0%	15:00 - 15:59	1 14.3%		
Collision Type	0 0.0%	Speed Limit		Out of control on curve, hit object	0 0.0%	16:00 - 16:59	0 0.0%		
Single Vehicle	0 0.0%	40 km/h or less	0 0.0%	Out of control on curve	0 0.0%	17:00 - 17:59	0 0.0%		
Multi Vehicle	7 100.0%	50 km/h zone	5 71.4%	Other crash type	0 0.0%	18:00 - 18:59	0 0.0%		
Road Classification		60 km/h zone	2 28.6%	~ 40km/h or less		19:00 - 19:59	0 0.0%		
Freeway/Motorway	0 0.0%	70 km/h zone	0 0.0%	~ 40km/h or less	0 0.0%	20:00 - 21:59	0 0.0%		
State Highway	0 0.0%	# Holiday Periods		80 km/h zone	0 0.0%	22:00 - 24:00	0 0.0%		
Other Classified Road	0 0.0%	Sunday	2 28.6%	90 km/h zone	0 0.0%	Street Lighting Off/Nil			
Unclassified Road	7 100.0%	WEEKDAY	4 57.1%	100 km/h zone	0 0.0%	0	0	0	0
Day of the Week		WEEKEND	0 0.0%	110 km/h zone	0 0.0%	0	0	0	0
Monday	1 14.3%	Thursday	0 0.0%	New Year		0	0	0	0
Tuesday	0 0.0%	Friday	7 100.0%	Aust. Day	0 0.0%	Queen's BD	0 0.0%	Easter SH	0 0.0%
Wednesday	0 0.0%	Saturday	0 0.0%	Easter	0 0.0%	Labour Day	0 0.0%	June/July SH	0 0.0%
Crashid dataset Railway Street - Corrimal Coke Works to Northern Distributor		Note: 5 years - 1 October 2002 to 30 September 2007		Anzac Day	0 0.0%	Christmas	0 0.0%	Sept./Oct. SH	1 14.3%
Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.		Rep ID: REG01 Office: Southern User ID: campbegw		Generated: 27/03/2008 12:59		December SH		0 0.0%	



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES	
Car Crash	25 96.2%	Speeding	1 3.8%	Intersection, adjacent approaches	1 3.8%	Fatal crash	0 0.0%	Killed	0 0.0%
Light Truck Crash	3 11.5%	Fatigue	1 3.8%	Head-on (not overtaking)	1 3.8%	Injury crash	8 30.8%	Injured	12 100.0%
Rigid Truck Crash	0 0.0%	Alcohol	0 0.0%	Opposing vehicles; turning	6 23.1%	Non-casualty crash	18 69.2%	Unrestrained	0 0.0%
Articulated Truck Crash	0 0.0%	Weather		U-turn	1 3.8%	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn			
"Heavy Truck Crash	(0) (0.0%)	Fine	21 80.8%	Rear-end	13 50.0%	Time Group			
Bus Crash	1 3.8%	Rain	2 7.7%	Lane change	2 7.7%	00:01 - 02:59	0 0.0%	12:5%	6
"Heavy Vehicle Crash	(1) (3.8%)	Overcast	2 7.7%	Parallel lanes; turning	0 0.0%	03:00 - 04:59	1 3.8%	8.3%	1
Emergency Vehicle Crash	0 0.0%	Fog or mist	0 0.0%	Vehicle leaving driveway	0 0.0%	05:00 - 05:59	0 0.0%	4.2%	1
Motorcycle Crash	0 0.0%	Other	0 0.0%	Overtaking; same direction	0 0.0%	06:00 - 06:59	0 0.0%	4.2%	0
Pedal Cycle Crash	0 0.0%	Road Surface Condition		Hit parked vehicle	0 0.0%	07:00 - 07:59	0 0.0%	4.2%	2
Pedestrian Crash	1 3.8%	Wet	2 7.7%	Hit railway train	0 0.0%	08:00 - 08:59	2 7.7%	4.2%	2
* Rigid or Artic. Truck * Heavy Truck or Heavy Bus		Dry	24 92.3%	Hit pedestrian	1 3.8%	09:00 - 09:59	2 7.7%	4.2%	2
# These categories are NOT mutually exclusive		Snow or ice	0 0.0%	Permanent obstruction on road	0 0.0%	10:00 - 10:59	1 3.8%	4.2%	2
Location Type		Natural Lighting		Hit animal	0 0.0%	11:00 - 11:59	3 11.5%	4.2%	2
* Intersection	18 69.2%	Dawn	0 0.0%	Off road, on straight	0 0.0%	12:00 - 12:59	1 3.8%	4.2%	2
Non Intersection	8 30.8%	Daylight	15 57.7%	Off road on straight, hit object	1 3.8%	13:00 - 13:59	0 0.0%	4.2%	2
* Up to 10 metres from an intersection		Dusk	3 11.5%	Out of control on straight	0 0.0%	14:00 - 14:59	1 3.8%	4.2%	2
-07:30-09:30 or 14:30-17:00 on school days		Darkness	8 30.8%	Off road, on curve	0 0.0%	15:00 - 15:59	1 3.8%	4.2%	2
Collision Type		Speed Limit		Off road on curve, hit object	0 0.0%	16:00 - 16:59	2 7.7%	4.2%	2
Single Vehicle	1 3.8%	40 km/h or less	0 0.0%	Out of control on curve	0 0.0%	17:00 - 17:59	6 23.1%	4.2%	2
Multi Vehicle	25 96.2%	50 km/h zone	2 7.7%	Other crash type	0 0.0%	18:00 - 18:59	3 11.5%	4.2%	2
Road Classification		60 km/h zone	21 80.8%	~ 40km/h or less		19:00 - 19:59	0 0.0%	4.2%	2
Freeway/Motorway	0 0.0%	70 km/h zone	0 0.0%	~ 40km/h or less	0 0.0%	20:00 - 21:59	2 7.7%	8.3%	2
State Highway	26 100.0%	# Holiday Periods		80 km/h zone	3 11.5%	22:00 - 24:00	1 3.8%	8.3%	2
Other Classified Road	0 0.0%	Sunday	1 3.8%	90 km/h zone	0 0.0%	Street Lighting Off/Nil			
Unclassified Road	0 0.0%	WEEKDAY	21 80.8%	100 km/h zone	0 0.0%	0	of	8 in Dark	0.0%
Day of the Week		WEEKEND	5 19.2%	110 km/h zone	0 0.0%	% of Dark			
Monday	2 7.7%	Thursday	7 26.9%	New Year		Queen's BD	0 0.0%	Easter SH	0 0.0%
Tuesday	3 11.5%	Friday	5 19.2%	Aust. Day	0 0.0%	Labour Day	1 3.8%	June/July SH	0 0.0%
Wednesday	4 15.4%	Saturday	4 15.4%	Easter	0 0.0%	Christmas	1 3.8%	Sept./Oct. SH	1 3.8%
				Anzac Day	0 0.0%	January SH	0 0.0%	December SH	1 3.8%

Crashid dataset Bellambi Lane - Princes Highway to Northern Distributor

Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES											
Car Crash	114	Speeding	50	37.3%	Intersection, adjacent approaches	12	9.0%	Killed	2	2.5%									
Light Truck Crash	20	Fatigue	5	3.7%	Head-on (not overtaking)	12	9.0%	Injured	78	97.5%									
Rigid Truck Crash	2	Alcohol	8	6.0%	Opposing vehicles; turning	3	2.2%	Unrestrained	6	7.5%									
Articulated Truck Crash	0				U-turn	1	0.7%	^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn											
'Heavy Truck Crash	(2)	Weather		Rear-end		% of Day		Crashes											
Bus Crash	1	Fine	84	62.7%	Lane change	28	20.9%	00:01 - 02:59	7	5.2%	12.5%								
'Heavy Vehicle Crash	(3)	Rain	35	26.1%	Parallel lanes; turning	1	0.7%	03:00 - 04:59	1	0.7%	8.3%								
Emergency Vehicle Crash	0	Overcast	15	11.2%	Vehicle leaving driveway	4	3.0%	05:00 - 05:59	4	3.0%	4.2%								
Motorcycle Crash	13	Fog or mist	0	0.0%	Overtaking; same direction	1	0.7%	06:00 - 06:59	6	4.5%	4.2%								
Pedal Cycle Crash	9	Other	0	0.0%	Hit parked vehicle	2	1.5%	07:00 - 07:59	3	2.2%	4.2%								
Pedestrian Crash	5	Road Surface Condition		Hit railway train		Hit pedestrian		08:00 - 08:59		4		3.0%		4.2%					
'Rigid or Artic. Truck " Heavy Truck or Heavy Bus		Wet	44	32.8%	Hit pedestrian	4	3.0%	09:00 - 09:59	8	6.0%	4.2%	~ School Travel Time							
# These categories are NOT mutually exclusive		Dry	90	67.2%	Permanent obstruction on road	0	0.0%	10:00 - 10:59	10	7.5%	4.2%	Involvement		18		13.4%			
*Intersection	62	Snow or ice	0	0.0%	Hit animal	1	0.7%	11:00 - 11:59	8	6.0%	4.2%	McLean Periods		%Week					
Non intersection	72	Natural Lighting		Off road, on straight		Off road on straight, hit object		12:00 - 12:59		9		A		12		9.0%			
* Up to 10 metres from an intersection		Dawn	5	3.7%	Off road on straight	3	2.2%	13:00 - 13:59	5	3.7%	4.2%	B		6		4.5%			
- 07:30-09:30 or 14:30-17:00 on school days		Daylight	85	63.4%	Out of control on straight	11	8.2%	14:00 - 14:59	13	9.7%	4.2%	C		41		30.6%			
Collision Type		Dusk	6	4.5%	Out of control on curve	2	1.5%	15:00 - 15:59	8	6.0%	4.2%	D		6		4.5%			
Single Vehicle	47	Darkness	38	28.4%	Off road on curve, hit object	6	4.5%	16:00 - 16:59	11	8.2%	4.2%	E		6		4.5%			
Multi Vehicle	87	Speed Limit		Other crash type		~ 40km/h or less		17:00 - 17:59		5		F		18		13.4%			
Road Classification		40 km/h or less	1	0.8%	80 km/h zone	2	1.5%	18:00 - 18:59	5	3.7%	4.2%	G		10		7.5%			
Freeway/Motorway	0	50 km/h zone	41	30.8%	90 km/h zone	0	0.0%	19:00 - 19:59	5	3.7%	4.2%	H		15		11.2%			
State Highway	0	60 km/h zone	88	66.2%	100 km/h zone	0	0.0%	20:00 - 21:59	15	11.2%	8.3%	I		8		6.0%			
Other Classified Road	134	70 km/h zone	1	0.8%	110 km/h zone	0	0.0%	22:00 - 24:00	7	5.2%	8.3%	J		12		9.0%			
Unclassified Road	0	# Holiday Periods		New Year		Easter SH		Queen's BD		2		1.5%		Easter SH		6		4.5%	
Day of the Week		Monday	22	16.4%	Thursday	14	10.4%	Sunday	19	14.2%	Aust. Day	0	0.0%	Labour Day	6	4.5%	June/July SH	5	3.7%
Monday	22	Tuesday	19	14.2%	Friday	18	13.4%	WEEKDAY	91	67.9%	Easter	1	0.7%	Christmas	2	1.5%	Sept./Oct. SH	15	11.2%
Tuesday	19	Wednesday	18	13.4%	Saturday	24	17.9%	WEEKEND	43	32.1%	Anzac Day	1	0.7%	January SH	11	8.2%	December SH	3	2.2%
Wednesday	18	Street Lighting Off/Nil		% of Dark		1		of		38 in Dark		2.6%							

Crashid dataset Lawrence Hargrave Drive - Coalcliff to Princes Highway
 Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type Car Crash 123 89.1% Light Truck Crash 22 15.9% Rigid Truck Crash 8 5.8% Articulated Truck Crash 7 5.1% *Heavy Truck Crash (15) (10.9%) Bus Crash 0 0.0% **Heavy Vehicle Crash (15) (10.9%) Emergency Vehicle Crash 1 0.7% Motorcycle Crash 5 3.6% Pedal Cycle Crash 0 0.0% Pedestrian Crash 0 0.0%		Contributing Factors Speeding 52 37.7% Fatigue 13 9.4% Alcohol 5 3.6%		Crash Movement Intersection, adjacent approaches 1 0.7% Head-on (not overtaking) 1 0.7% Opposing vehicles; turning 2 1.4% U-turn 0 0.0%		CASUALTIES 67 Killed 2 3.0% Injured 65 97.0% ^ Unrestrained 0 0.0% <small>^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn</small>	
Weather Fine 81 58.7% Rain 36 26.1% Overcast 20 14.5% Fog or mist 0 0.0% Other 0 0.0%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		CRASHES 138 Fatal crash 2 1.4% Injury crash 44 31.9% Non-casualty crash 92 66.7% <small>^ Belt fitted but not worn, No restraint fitted to position OR No helmet worn</small>		Casualties Crashes 34 2007 15 25 2006 4 28 2005 19 19 2004 8 26 2003 16 6 2002 5	
Road Surface Condition Wet 47 34.3% Dry 90 65.7% Snow or ice 0 0.0%		Crash Movement Intersection, adjacent approaches 1 0.7% Head-on (not overtaking) 1 0.7% Opposing vehicles; turning 2 1.4% U-turn 0 0.0%		McLean Periods %Week A 25 18.1% 17.9% B 6 4.3% 7.1% C 38 27.5% 17.9% D 7 5.1% 3.5% E 3 2.2% 3.6% F 17 12.3% 10.7% G 9 6.5% 7.1% H 12 8.7% 7.1% I 8 5.8% 12.5% J 13 9.4% 10.7%		~ School Travel Time Involvement 36 26.1%	
Natural Lighting Dawn 4 2.9% Daylight 88 63.8% Dusk 8 5.8% Darkness 38 27.5%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		Time Group % of Day 00:01 - 02:59 9 6.5% 12.5% 03:00 - 04:59 5 3.6% 8.3% 05:00 - 05:59 2 1.4% 4.2% 06:00 - 06:59 6 4.3% 4.2% 07:00 - 07:59 2 1.4% 4.2% 08:00 - 08:59 16 11.6% 4.2% 09:00 - 09:59 11 8.0% 4.2% 10:00 - 10:59 3 2.2% 4.2% 11:00 - 11:59 10 7.2% 4.2% 12:00 - 12:59 7 5.1% 4.2% 13:00 - 13:59 6 4.3% 4.2% 14:00 - 14:59 11 8.0% 4.2% 15:00 - 15:59 9 6.5% 4.2% 16:00 - 16:59 7 5.1% 4.2% 17:00 - 17:59 12 8.7% 4.2% 18:00 - 18:59 5 3.6% 4.2% 19:00 - 19:59 2 1.4% 4.2% 20:00 - 21:59 9 6.5% 8.3% 22:00 - 24:00 6 4.3% 8.3%		Street Lighting Off/Nil % of Dark 7 of 38 in Dark 18.4%	
Speed Limit 40 km/h or less 1 0.7% 50 km/h zone 4 2.9% 60 km/h zone 10 7.3% 70 km/h zone 0 0.0%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		McLean Periods %Week A 25 18.1% 17.9% B 6 4.3% 7.1% C 38 27.5% 17.9% D 7 5.1% 3.5% E 3 2.2% 3.6% F 17 12.3% 10.7% G 9 6.5% 7.1% H 12 8.7% 7.1% I 8 5.8% 12.5% J 13 9.4% 10.7%		~ School Travel Time Involvement 36 26.1%	
Road Classification Freeway/Motorway 123 89.1% State Highway 2 1.4% Other Classified Road 9 6.5% Unclassified Road 4 2.9%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		Time Group % of Day 00:01 - 02:59 9 6.5% 12.5% 03:00 - 04:59 5 3.6% 8.3% 05:00 - 05:59 2 1.4% 4.2% 06:00 - 06:59 6 4.3% 4.2% 07:00 - 07:59 2 1.4% 4.2% 08:00 - 08:59 16 11.6% 4.2% 09:00 - 09:59 11 8.0% 4.2% 10:00 - 10:59 3 2.2% 4.2% 11:00 - 11:59 10 7.2% 4.2% 12:00 - 12:59 7 5.1% 4.2% 13:00 - 13:59 6 4.3% 4.2% 14:00 - 14:59 11 8.0% 4.2% 15:00 - 15:59 9 6.5% 4.2% 16:00 - 16:59 7 5.1% 4.2% 17:00 - 17:59 12 8.7% 4.2% 18:00 - 18:59 5 3.6% 4.2% 19:00 - 19:59 2 1.4% 4.2% 20:00 - 21:59 9 6.5% 8.3% 22:00 - 24:00 6 4.3% 8.3%		Street Lighting Off/Nil % of Dark 7 of 38 in Dark 18.4%	
Day of the Week Monday 15 10.9% Thursday 15 10.9% Tuesday 34 24.6% Friday 13 9.4% Wednesday 23 16.7% Saturday 23 16.7%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		McLean Periods %Week A 25 18.1% 17.9% B 6 4.3% 7.1% C 38 27.5% 17.9% D 7 5.1% 3.5% E 3 2.2% 3.6% F 17 12.3% 10.7% G 9 6.5% 7.1% H 12 8.7% 7.1% I 8 5.8% 12.5% J 13 9.4% 10.7%		~ School Travel Time Involvement 36 26.1%	
Holiday Periods New Year 0 0.0% Aust. Day 1 0.7% Easter 0 0.0% Anzac Day 2 1.4%		Crash Movement Rear-end 38 27.5% Lane change 13 9.4% Parallel lanes; turning 0 0.0% Vehicle leaving driveway 0 0.0% Overtaking; same direction 0 0.0% Hit parked vehicle 0 0.0% Hit railway train 0 0.0% Hit pedestrian 0 0.0% Permanent obstruction on road 0 0.0% Hit animal 1 0.7% Off road, on straight 5 3.6% Off road on straight, hit object 20 14.5% Out of control on straight 1 0.7% Off road, on curve 4 2.9% Off road on curve, hit object 41 29.7% Out of control on curve 3 2.2% Other crash type 8 5.8%		McLean Periods %Week A 25 18.1% 17.9% B 6 4.3% 7.1% C 38 27.5% 17.9% D 7 5.1% 3.5% E 3 2.2% 3.6% F 17 12.3% 10.7% G 9 6.5% 7.1% H 12 8.7% 7.1% I 8 5.8% 12.5% J 13 9.4% 10.7%		~ School Travel Time Involvement 36 26.1%	

Crashid dataset Southern Freeway - Mount Ousley Road to Masters Road
 Note: 5 years - 1 October 2002 to 30 September 2006

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES	
Car Crash	420	Speeding	192	Intersection, adjacent approaches	22	Fatal crash	3	Killed	216
Light Truck Crash	36	Fatigue	26	Head-on (not overtaking)	3	Injury crash	157	Injured	213
Rigid Truck Crash	24	Alcohol	15	Opposing vehicles; turning	4	Non-casualty crash	297	Unrestrained	9
Articulated Truck Crash	66			U-turn	3				4.2%
Heavy Truck Crash	(85)	Weather		Rear-end	97				
Bus Crash	4	Fine	215	Lane change	62				
Heavy Vehicle Crash	(85)	Rain	184	Parallel lanes; turning	0				
Emergency Vehicle Crash	0	Overcast	50	Vehicle leaving driveway	0				
Motorcycle Crash	19	Fog or mist	6	Overtaking; same direction	0				
Pedal Cycle Crash	0	Other	0	Hit parked vehicle	0				
Pedestrian Crash	4	Road Surface Condition		Hit railway train	0				
* Right or Artic. Truck * Heavy Truck or Heavy Bus		Wet	223	Hit pedestrian	0				
# These categories are NOT mutually exclusive		Dry	234	Permanent obstruction on road	0				
* Intersection	52	Snow or Ice	0	Hit animal	1				
Non intersection	405	Natural Lighting		Off road, on straight	9				
* Up to 10 metres from an intersection		Dawn	27	Off road on straight, hit object	48				
* -07:30-09:30 or 14:30-17:00 on school days		Daylight	295	Out of control on straight	3				
Collision Type		Dusk	15	Out of control on curve	19				
Single Vehicle	224	Darkness	120	Other crash type	150				
Multi Vehicle	233	Speed Limit			6				
Road Classification		40 km/h or less	1		30				
Freeway/Motorway	27	50 km/h or less	2		3				
State Highway	7	60 km/h zone	5		19				
Other Classified Road	422	70 km/h zone	1		150				
Unclassified Road	1				6				
Day of the Week					30				
Monday	63				0				
Tuesday	67				0				
Wednesday	69				0				
Thursday	13.8%				0				
Friday	14.7%				0				
Saturday	15.1%				0				
Sunday	14.4%				0				
WEEKDAY	72				0				
WEEKEND	55				0				
120	26.3%				0				
Time Group									
00:01 - 02:59	18				22				
03:00 - 04:59	27				3				
05:00 - 05:59	15				3				
06:00 - 06:59	34				4				
07:00 - 07:59	32				4				
08:00 - 08:59	41				3				
09:00 - 09:59	24				3				
10:00 - 10:59	19				4				
11:00 - 11:59	16				4				
12:00 - 12:59	20				4				
13:00 - 13:59	27				4				
14:00 - 14:59	30				4				
15:00 - 15:59	13				4				
16:00 - 16:59	30				4				
17:00 - 17:59	25				4				
18:00 - 18:59	22				4				
19:00 - 19:59	16				4				
20:00 - 21:59	23				4				
22:00 - 24:00	25				4				
Street Lighting Off/Nil									
91	of	120	in Dark	75.8%					
Queen's BD	4	0.9%	Easter SH	13	2.8%				
Labour Day	6	1.3%	June/July SH	13	2.8%				
Christmas	6	1.3%	Sept./Oct. SH	19	4.2%				
January SH	31	6.8%	December SH	9	2.0%				
McLean Periods									
A	123	26.9%	17.9%						
B	26	5.7%	7.1%						
C	87	19.0%	17.9%						
D	22	4.8%	3.5%						
E	27	5.9%	3.6%						
F	49	10.7%	10.7%						
G	38	8.3%	7.1%						
H	29	6.3%	7.1%						
I	28	6.1%	12.5%						
J	28	6.1%	10.7%						
~ School Travel Time									
Involvement	90	19.7%							
Casualties									
Crashes									
77	2007	47							
95	2006	53							
73	2005	26							
90	2004	43							
98	2003	41							
24	2002	6							

Crashid dataset Mount Ousely Road - Appin Road to Southern Freeway
 Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

# Crash Type		Contributing Factors		Crash Movement		CRASHES		CASUALTIES	
Car Crash	79	Speeding	7	Intersection, adjacent approaches	8	Fatal crash	0	Killed	49
Light Truck Crash	12	Fatigue	1	Head-on (not overtaking)	1	Injury crash	32	Injured	0
Rigid Truck Crash	2	Alcohol	4	Opposing vehicles; turning	3	Non-casualty crash	49	Unrestrained	49
Articulated Truck Crash	7			U-turn	0				0
"Heavy Truck Crash	(9)	Weather		Rear-end	45				0
Bus Crash	0	Fine	65	Lane change	10				0
"Heavy Vehicle Crash	(9)	Rain	9	Parallel lanes; turning	1				0
Emergency Vehicle Crash	0	Overcast	7	Vehicle leaving driveway	0				0
Motorcycle Crash	2	Fog or mist	0	Overtaking; same direction	0				0
Pedal Cycle Crash	0	Other	0	Hit parked vehicle	0				0
Pedestrian Crash	0			Hit railway train	0				0
* Rigid or Artic. Truck * Heavy Truck or Heavy Bus		Road Surface Condition		Hit pedestrian	0				0
# These categories are NOT mutually exclusive		Wet	10	Permanent obstruction on road	0				0
* Intersection	34	Dry	71	Hit animal	0				0
Non Intersection	47	Snow or ice	0	Off road, on straight	1				0
* Up to 10 metres from an intersection		Natural Lighting		Off road on straight, hit object	5				0
~ 07:30-09:30 or 14:30-17:00 on school days		Dawn	1	Out of control on straight	1				0
		Daylight	60	Off road, on curve	0				0
		Dusk	9	Off road on curve, hit object	3				0
		Darkness	11	Out of control on curve	0				0
				Other crash type	3				0
		Speed Limit		~ 40km/h or less	0				0
		40 km/h or less	0	80 km/h zone	72				88.9%
		50 km/h zone	0	90 km/h zone	0				0.0%
		60 km/h zone	8	100 km/h zone	0				0.0%
		70 km/h zone	1	110 km/h zone	0				0.0%
		Road Classification							
		Freeway/Motorway	0						
		State Highway	0						
		Other Classified Road	81						
		Unclassified Road	0						
		Day of the Week		# Holiday Periods					
		Monday	14	New Year	0	Queen's BD	1	Easter SH	2
		Tuesday	10	Aust. Day	0	Labour Day	0	June/July SH	3
		Wednesday	17	Easter	1	Christmas	3	Sept./Oct. SH	3
		Thursday	12	Anzac Day	0	January SH	4	December SH	3
		Friday	14						
		Saturday	11						
		Sunday	12						
		WEEKDAY	67						
		WEEKEND	14						
		Street Lighting Off/Nil		% of Dark					
		0	of	11 in Dark	0.0%				
		McLean Periods		% Week					
		A	13	16.0%	17.9%				
		B	1	1.2%	7.1%				
		C	18	22.2%	17.9%				
		D	6	7.4%	3.5%				
		E	1	1.2%	3.6%				
		F	22	27.2%	10.7%				
		G	13	16.0%	7.1%				
		H	4	4.9%	7.1%				
		I	0	0.0%	12.5%				
		J	3	3.7%	10.7%				
		Crashes		Casualties					
		10	2007	5					
		12	2006	11					
		20	2005	12					
		17	2004	7					
		17	2003	9					
		5	2002	5					
		~ School Travel Time		Involvement	26	32.1%			
		Time Group		% of Day					
		00:01 - 02:59	1	1.2%	12.5%				
		03:00 - 04:59	1	1.2%	8.3%				
		05:00 - 05:59	1	1.2%	4.2%				
		06:00 - 06:59	1	1.2%	4.2%				
		07:00 - 07:59	3	3.7%	4.2%				
		08:00 - 08:59	8	9.9%	4.2%				
		09:00 - 09:59	4	4.9%	4.2%				
		10:00 - 10:59	4	4.9%	4.2%				
		11:00 - 11:59	6	7.4%	4.2%				
		12:00 - 12:59	6	7.4%	4.2%				
		13:00 - 13:59	3	3.7%	4.2%				
		14:00 - 14:59	2	2.5%	4.2%				
		15:00 - 15:59	6	7.4%	4.2%				
		16:00 - 16:59	10	12.3%	4.2%				
		17:00 - 17:59	16	19.8%	4.2%				
		18:00 - 18:59	3	3.7%	4.2%				
		19:00 - 19:59	1	1.2%	4.2%				
		20:00 - 21:59	4	4.9%	8.3%				
		22:00 - 24:00	1	1.2%	8.3%				

Crashid dataset Springhill Road - Masters Road to Port Kembla Road
 Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.



Summary Crash Report

Summary Crash Report table with columns: # Crash Type, Contributing Factors, Crash Movement, Crashes, Casualties, Road Classification, Day of the Week, etc.

Crashid dataset Masters Road - Southern Freeway to Springhill Road
Note: 5 years - 1 October 2002 to 30 September 2007

Percentages are percentages of all crashes. Unknown values for each category are not shown on this report.

Appendix Q

Coal Truck Movements

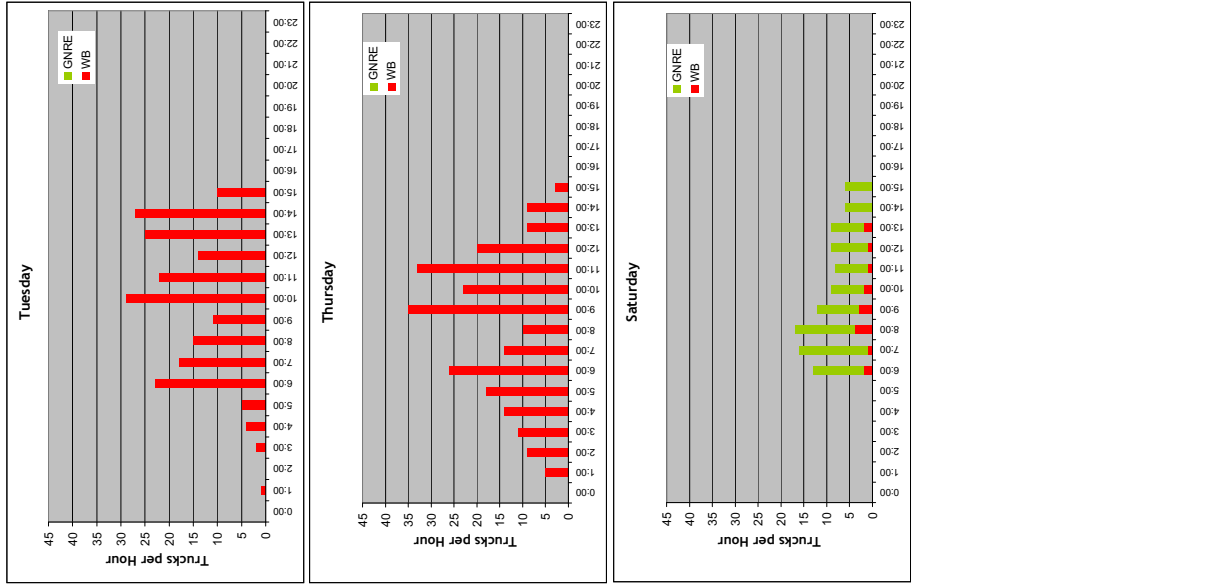
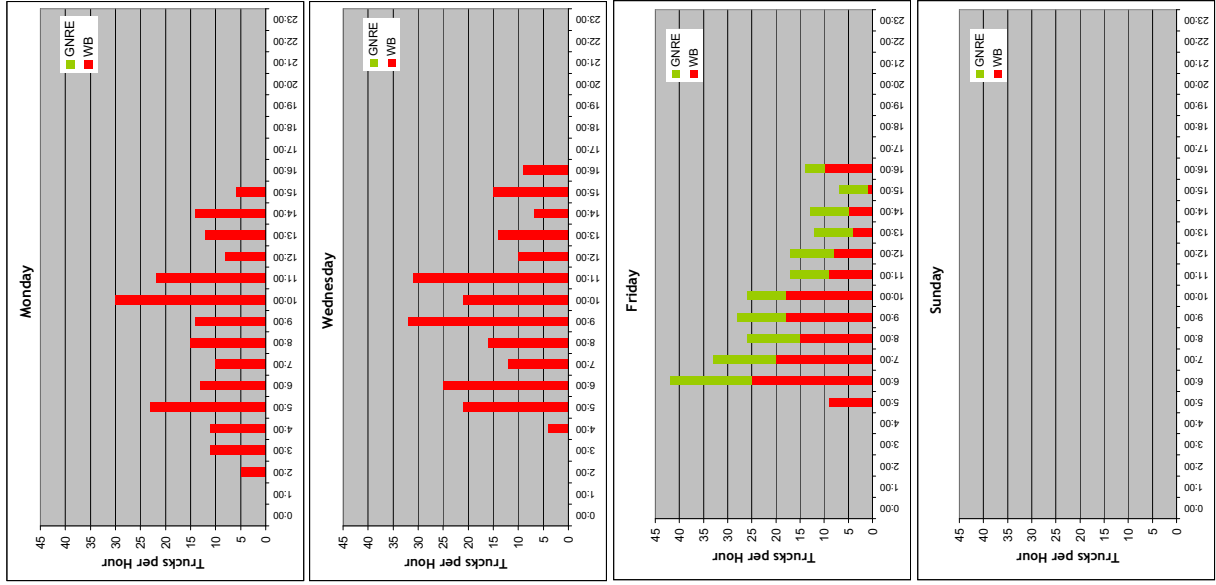
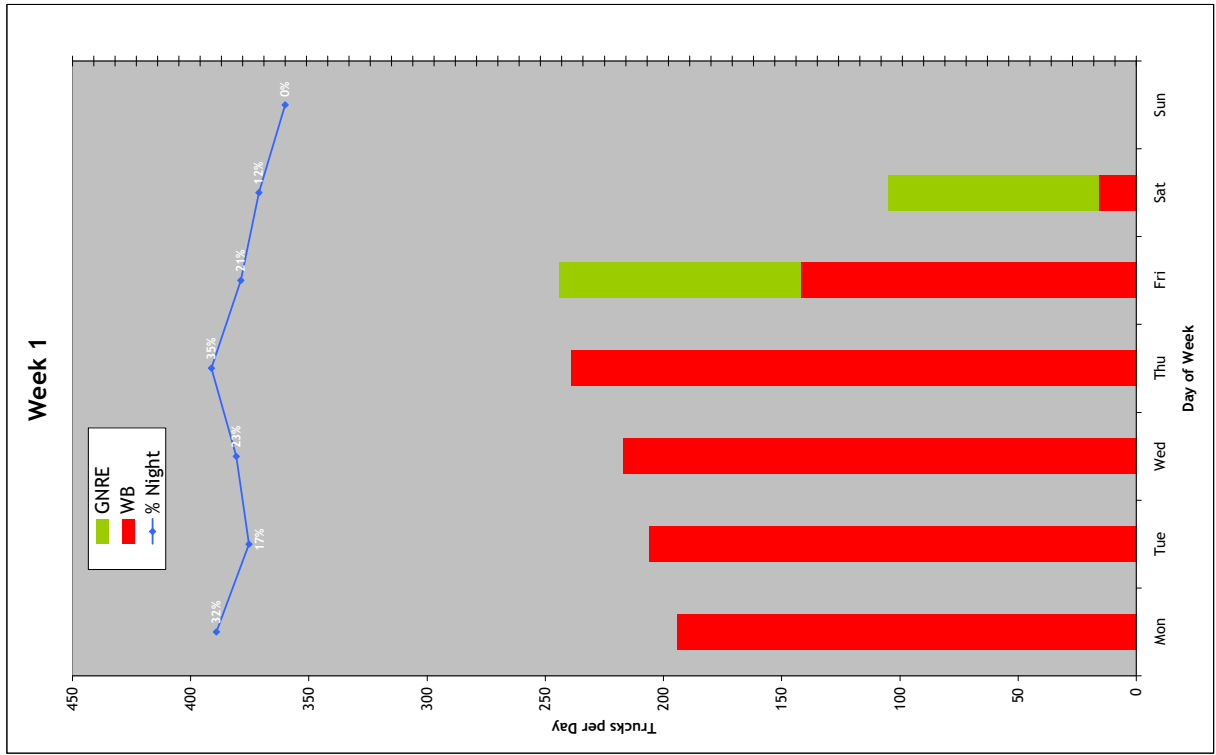
2008 Trial Period

This page intentionally left blank

PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
Week 1: 3 Mar - 9 Mar 2008

Table with columns for days of the week (Monday to Sunday) and sub-columns for Loads and Tonnes for ALL, WB, and GNRE categories. Includes a 'Week Total' section at the bottom.

PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 1: 3 Mar - 9 Mar 2008



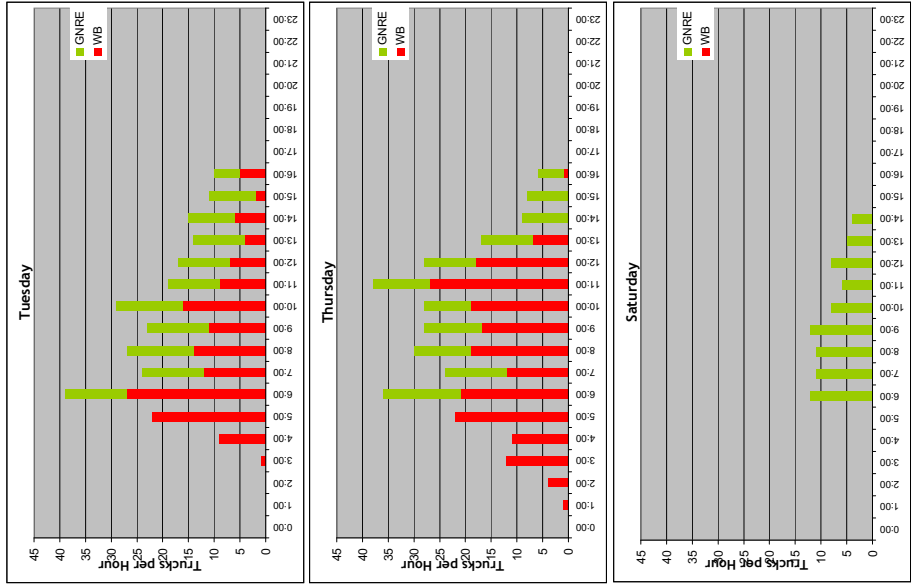
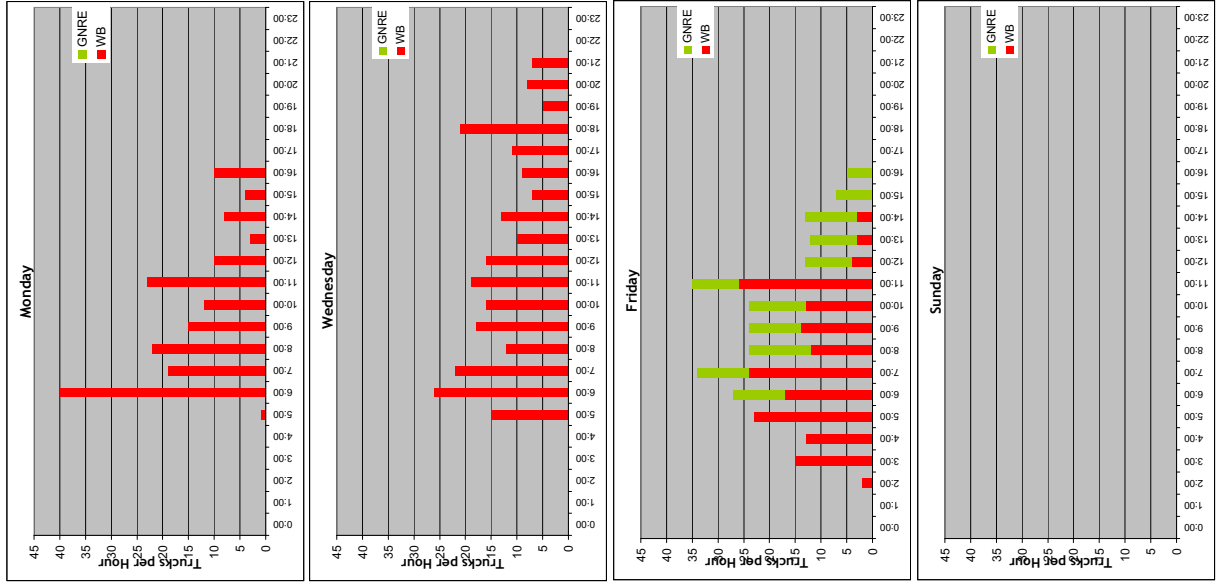
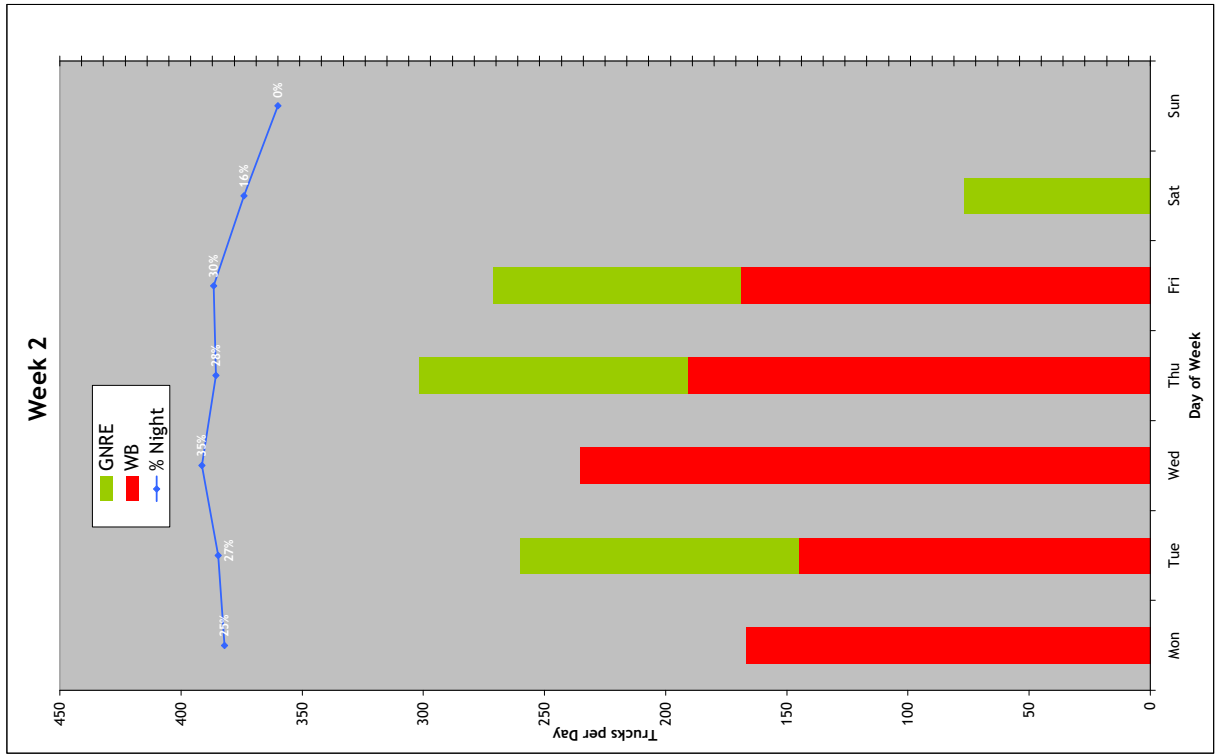
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008

From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)

Week 2: 10 Mar - 16 Mar 2008

From To	Monday 10/03/2008			Tuesday 11/03/2008			Wednesday 12/03/2008			Thursday 13/03/2008			Friday 14/03/2008			Saturday 15/03/2008			Sunday 16/03/2008			Week Total Week																														
	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	Loads	Tonnes	ALL																												
	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Loads	Tonnes	Loads	Tonnes																											
0:00 1:00																																																				
1:00 2:00																																																				
2:00 3:00																																																				
3:00 4:00																																																				
4:00 5:00																																																				
5:00 6:00	1	45.6	22	881.6	9	325.8	15	640.4	22	872.2	23	888.3																																								
6:00 7:00	40	1297.5	27	978.6	12	376.5	39	1347.1	26	885.8	21	761.1	15	486	36	1247.1	17	651.0	10	315.6	27	966.6	12	375.8																												
7:00 8:00	19	736.1	12	483.8	12	380.2	24	864.0	22	859.9	12	468.1	12	488.1	24	843.6	24	823.1	10	310.9	34	1134.0	11	351.8																												
8:00 9:00	22	809.5	14	600.0	13	409.9	27	1009.9	22	447.0	18	615.6	17	636.6	11	340.9	28	977.5	14	571.5	10	309	24	880.5	12	380.1																										
9:00 10:00	15	547.7	11	405.1	12	384.5	23	789.6	18	615.6	16	582.9	19	702.3	9	325.2	28	987.5	13	410.3	11	346.6	24	756.9	8	259.2																										
10:00 11:00	12	459.3	12	459.3	16	516.7	13	411.6	29	928.3	16	582.9	19	702.3	9	325.2	28	987.5	13	410.3	11	346.6	24	756.9	8	259.2																										
11:00 12:00	23	808.4	9	264.9	10	307.8	19	695.4	19	695.4	27	942.5	11	362.6	38	1305.1	26	904.7	9	287.1	35	1191.8	6	201.9																												
12:00 13:00	10	387.6	7	279.4	10	305.5	17	534.9	16	584.8	18	686.0	10	314.5	28	1000.5	4	113.8	9	285.6	13	399.4	8	256.6																												
13:00 14:00	3	102.1	4	117.7	4	117.7	10	357.4	10	357.4	7	260.1	10	308.9	17	549.0	3	93.1	9	286	12	379.4	5	165.3																												
14:00 15:00	8	331.1	6	186.1	9	286.7	15	472.8	13	428.7																																										
15:00 16:00	4	160.1	2	77.9	9	280.5	11	338.4	7	271.4																																										
16:00 17:00	10	425.2	5	210.7	5	164.6	10	375.3	9	357.8	1	29.8	5	169.6	6	199.4																																				
17:00 18:00																																																				
18:00 19:00																																																				
19:00 20:00																																																				
20:00 21:00																																																				
21:00 22:00																																																				
22:00 23:00																																																				
23:00 0:00	167	6110.1	0	0.0	167	6110.1	145	5315.5	115	3610.6	260	8926.1	235	8982.8	191	7299.9	111	3520.6	302	10820.5	169	6165.9	102	3211.4	271	9377.3	0	0.0	77	2459.7	0	0.0	0	0.0	0	0.0	0	0.0	907	33874.1	405	#####	1312	46676.4								
Total	128	4767.1	0	0.0	126	4767.1	86	3023.2	103	3234.1	189	6326.4	153	5654.7	0	0.0	153	5654.7	120	4434.3	96	3034.6	216	7468.9	99	3443.3	92	2895.8	191	6339.1	0	0.0	65	2083.9	65	2083.9	0	0.0	0	0.0	0	0.0	584	21391.7	356	#####	940	32840.1				
Night	41	1343.0	0	0.0	41	1343.0	59	2023.2	12	376.5	71	2865.5	15	486.0	86	3315.5	70	2722.6	10	315.6	80	3038.2	0	0.0	12	375.8	12	375.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	323	12482.4	49	1533.9	372	14036.3				
% Day	75.4%	0.0%	0.0%	75.4%	59.3%	89.6%	72.7%	65.1%	62.8%	86.5%	62.8%	62.8%	86.5%	86.5%	71.5%	58.6%	90.2%	70.5%	84.4%	84.4%	84.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	64.4%	87.9%	71.6%	87.9%	71.6%							
% Night	24.6%	0.0%	0.0%	24.6%	40.7%	10.4%	27.3%	34.9%	37.2%	33.5%	37.2%	33.5%	13.5%	28.5%	41.4%	9.8%	29.5%	15.6%	15.6%	15.6%	15.6%	15.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
Tonnes/load	36.6	36.6	0.0	36.6	36.7	31.4	34.3	38.2	38.2	34.9%	37.2%	38.2	38.2	38.2	38.2	38.2	31.7	35.8	35.8	35.8	36.5	31.5	31.5	34.6	34.6	31.9	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 2: 10 Mar - 16 Mar 2008



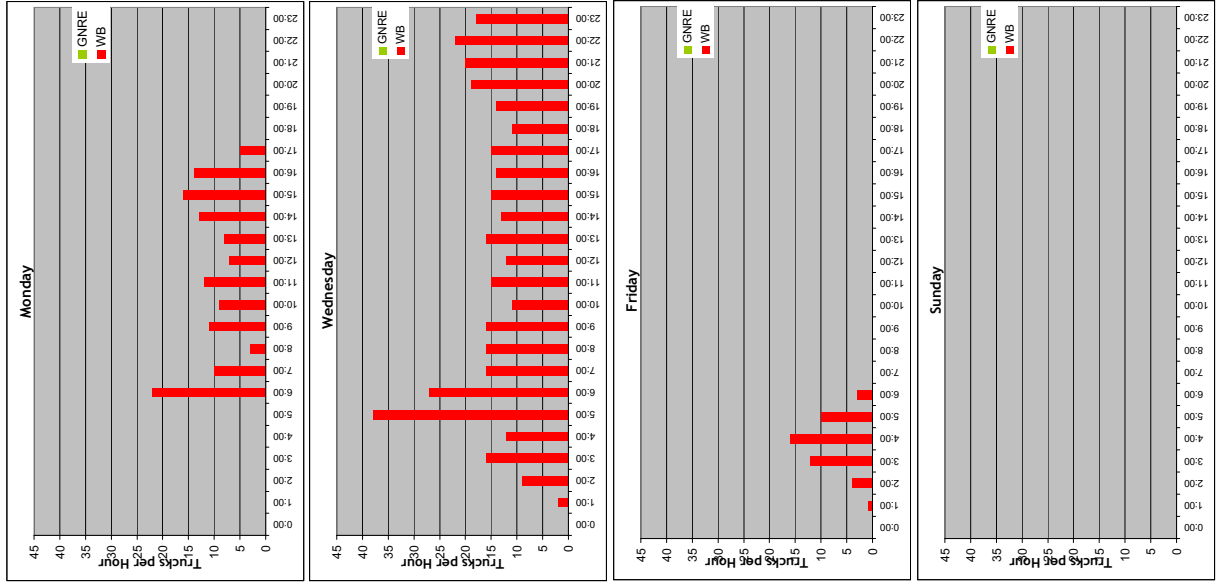
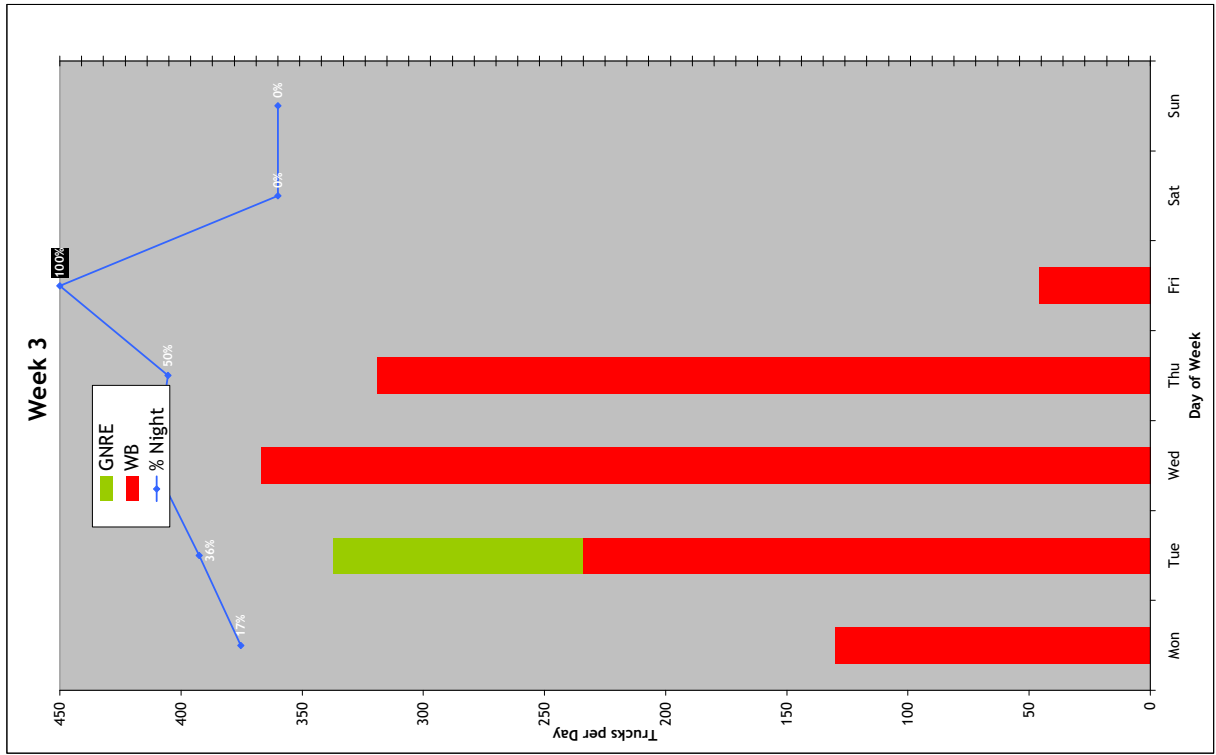
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008

From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)

Week 3: 17 Mar - 23 Mar 2008

From To	Monday 17/03/2008			Tuesday 18/03/2008			Wednesday 19/03/2008			Thursday 20/03/2008			Friday 21/03/2008			Saturday 22/03/2008			Sunday 23/03/2008			Week Total																				
	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL																		
																									Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes
0:00 1:00				7	305.4																																					
0:00 2:00				18	691.0	2	90.9	23	788.8																																	
2:00 3:00				14	592.0	9	380.1	16	595.6	4	168.6																															
3:00 4:00				12	527.9	16	655.1	11	415.2	12	467.4																															
4:00 5:00				16	713.7	12	497.5	26	984.9	16	585.1																															
5:00 6:00				16	619.7	38	1439.3	23	807.8	10	421.6																															
6:00 7:00	22	689.0		22	689.0	27	954.6	27	954.6	30	1072.0	3	136.0																													
7:00 8:00	10	326.9		10	326.9	20	750.3	8	252.2	28	1022.5	16	549.0																													
8:00 9:00	3	89.6		3	89.6	18	638.3	27	924.8	16	589.0																															
9:00 10:00	11	360.3		11	360.3	20	679.6	26	878.3	16	602.1	24	820.0																													
10:00 11:00	9	301.1		9	301.1	20	683.7	8	240.8	28	943.7	11	400.8																													
11:00 12:00	12	388.6		12	388.6	14	462.7	6	189.8	20	652.5	15	491.3																													
12:00 13:00	7	207.7		7	207.7	8	274.0	11	351.4	19	625.4	12	419.1																													
13:00 14:00	8	247.8		8	247.8	10	316.8	20	632.4	16	562.5																															
14:00 15:00	13	398.0		13	398.0	5	210.9	10	307.5	15	518.4	13	444.8																													
15:00 16:00	16	523.4		16	523.4	5	161.5	12	375.9	17	537.4	15	478.9																													
16:00 17:00	14	469.3		14	469.3	2	73.8	12	365.6	14	439.4	14	512.4																													
17:00 18:00	5	177.0		5	177.0	1	45.7	15	559.0	8	346.8																															
18:00 19:00								11	442.8	11	498.0																															
19:00 20:00								14	529.1	14	529.1																															
20:00 21:00								19	698.7	1	30.3																															
21:00 22:00								20	654.3																																	
22:00 23:00								22	844.3																																	
23:00 0:00								18	652.3																																	
Total	130	4148.4	0	0.0	130	4148.4	234	8792.5	103	3245.9	337	12038.4	367	13446.0	0	0.0	367	13446.0	319	11651.7	46	1824.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1096	39864.7	103	3245.9	1199	43110.6
Day	108	3459.4	0	0.0	108	3459.4	213	4293.4	92	2903.2	215	7200.6	159	5608.9	158	5721.7	0	0.0	158	5721.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	548	19087.5	92	2903.2	640	2199.0
Night	22	689.0	0	0.0	22	689.0	11	4495.1	11	342.7	122	4837.8	208	7839.1	161	5930.0	46	1824.1	46	1824.1	0	0.0	46	1824.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	548	20777.2	11	342.7	559	2119.9
% Day	83.1%	0.0%	0.0%	83.1%	52.6%	83.1%	52.6%	83.1%	63.8%	89.3%	89.3%	63.8%	89.3%	49.5%	49.5%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	50.0%	89.3%	89.3%	53.4%	53.4%			
% Night	16.9%	0.0%	0.0%	16.9%	47.4%	16.9%	47.4%	16.9%	36.2%	10.7%	36.2%	36.2%	36.2%	36.2%	36.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	50.0%	10.7%	10.7%	46.6%	46.6%				
Tonnes/lead	31.9	31.9	0.0	31.9	37.6	31.9	37.6	31.9	35.7	35.7	35.7	35.7	35.7	35.7	0.0	0.0	35.7	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4	36.4	31.5	31.5	36.0	36.0					

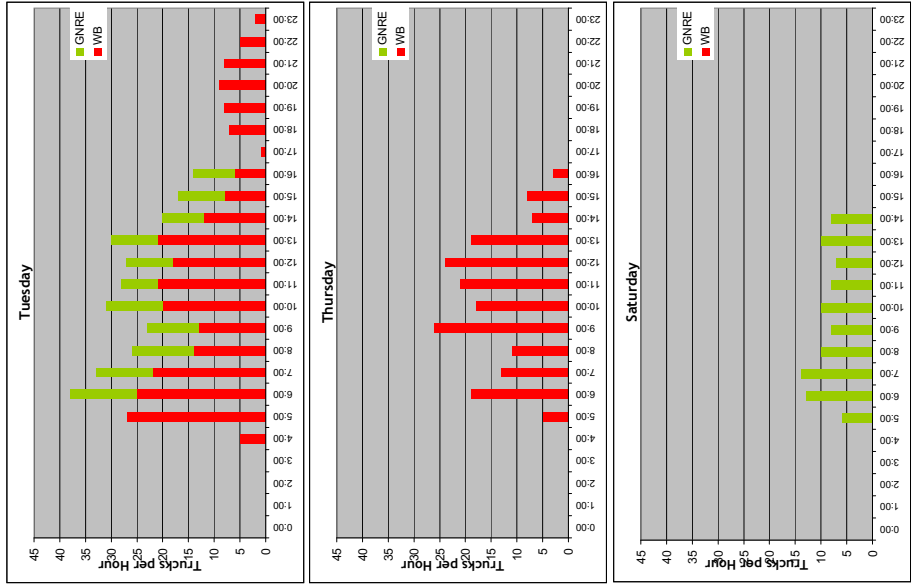
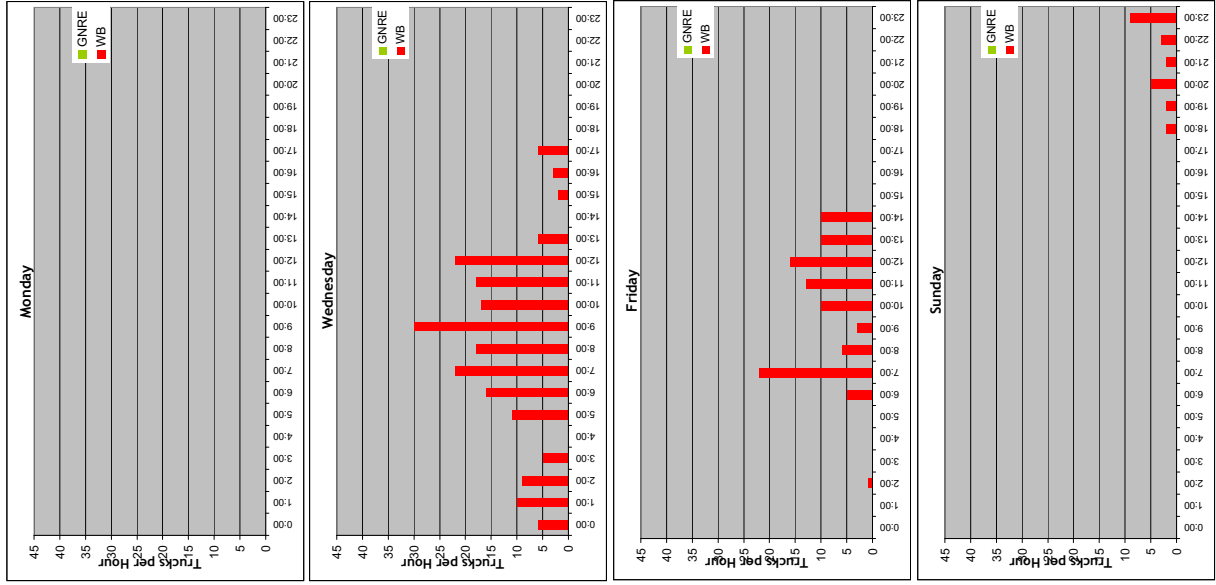
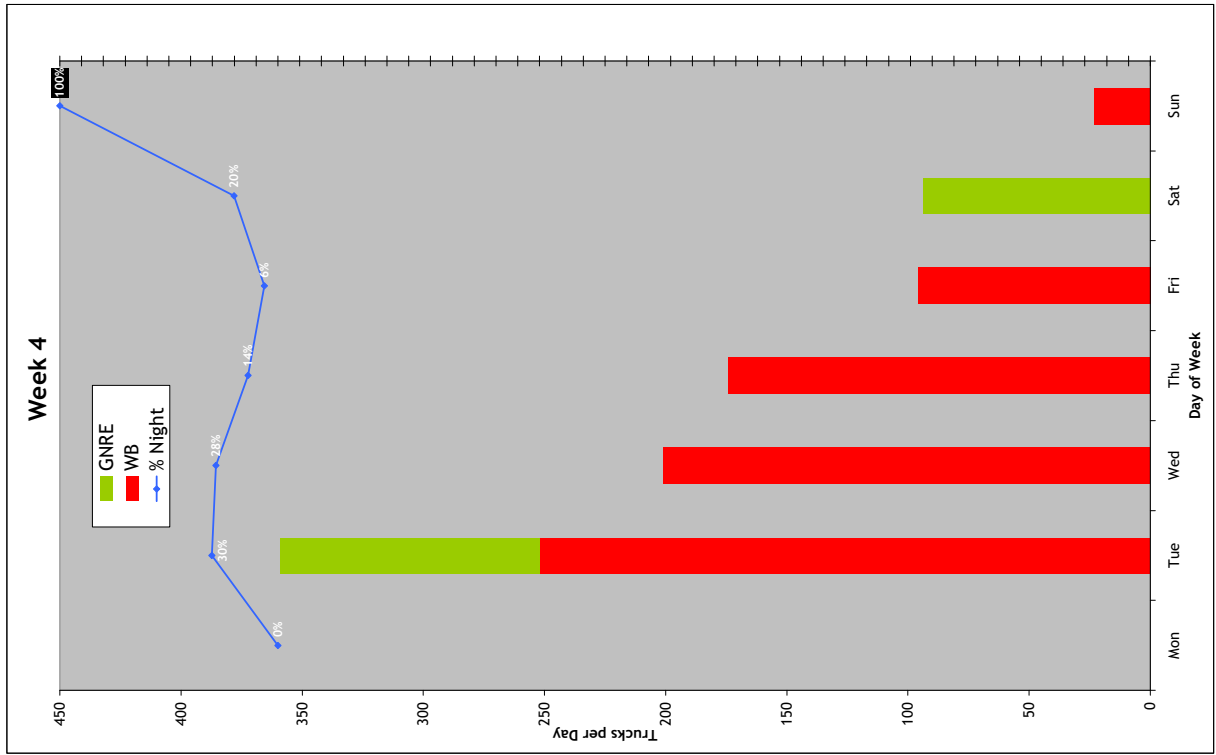
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 3: 17 Mar - 23 Mar 2008



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 4: 24 Mar - 30 Mar 2008

From To	Monday 24/03/2008			Tuesday 25/03/2008			Wednesday 26/03/2008			Thursday 27/03/2008			Friday 28/03/2008			Saturday 29/03/2008			Sunday 30/03/2008			Week Total Week		
	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes	WB Loads	GNRE Tonnes	ALL Tonnes
0:00 1:00	0	0.0	0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0
1:00 2:00	6	174.6	6	6	174.6	6	6	174.6	6	174.6	6	6	174.6	6	174.6	6	174.6	6	6	174.6	6	6	174.6	6
2:00 3:00	10	295.6	10	10	295.6	10	10	295.6	10	295.6	10	10	295.6	10	295.6	10	295.6	10	10	295.6	10	10	295.6	10
3:00 4:00	9	265.7	9	9	265.7	9	9	265.7	9	265.7	9	9	265.7	9	265.7	9	265.7	9	9	265.7	9	9	265.7	9
4:00 5:00	5	145.4	5	5	145.4	5	5	145.4	5	145.4	5	5	145.4	5	145.4	5	145.4	5	5	145.4	5	5	145.4	5
5:00 6:00	27	924.7	27	27	924.7	27	27	924.7	27	924.7	27	27	924.7	27	924.7	27	924.7	27	27	924.7	27	27	924.7	27
6:00 7:00	25	929.2	25	25	929.2	25	25	929.2	25	929.2	25	25	929.2	25	929.2	25	929.2	25	25	929.2	25	25	929.2	25
7:00 8:00	22	773.3	22	22	773.3	22	22	773.3	22	773.3	22	22	773.3	22	773.3	22	773.3	22	22	773.3	22	22	773.3	22
8:00 9:00	14	471.9	14	14	471.9	14	14	471.9	14	471.9	14	14	471.9	14	471.9	14	471.9	14	14	471.9	14	14	471.9	14
9:00 10:00	13	493.1	13	13	493.1	13	13	493.1	13	493.1	13	13	493.1	13	493.1	13	493.1	13	13	493.1	13	13	493.1	13
10:00 11:00	20	716.3	20	20	716.3	20	20	716.3	20	716.3	20	20	716.3	20	716.3	20	716.3	20	20	716.3	20	20	716.3	20
11:00 12:00	21	766.9	21	21	766.9	21	21	766.9	21	766.9	21	21	766.9	21	766.9	21	766.9	21	21	766.9	21	21	766.9	21
12:00 13:00	18	626.3	18	18	626.3	18	18	626.3	18	626.3	18	18	626.3	18	626.3	18	626.3	18	18	626.3	18	18	626.3	18
13:00 14:00	21	685.1	21	21	685.1	21	21	685.1	21	685.1	21	21	685.1	21	685.1	21	685.1	21	21	685.1	21	21	685.1	21
14:00 15:00	12	390.5	12	12	390.5	12	12	390.5	12	390.5	12	12	390.5	12	390.5	12	390.5	12	12	390.5	12	12	390.5	12
15:00 16:00	8	300.6	8	8	300.6	8	8	300.6	8	300.6	8	8	300.6	8	300.6	8	300.6	8	8	300.6	8	8	300.6	8
16:00 17:00	6	207.4	6	6	207.4	6	6	207.4	6	207.4	6	6	207.4	6	207.4	6	207.4	6	6	207.4	6	6	207.4	6
17:00 18:00	1	27.9	1	1	27.9	1	1	27.9	1	27.9	1	1	27.9	1	27.9	1	27.9	1	1	27.9	1	1	27.9	1
18:00 19:00	7	282.3	7	7	282.3	7	7	282.3	7	282.3	7	7	282.3	7	282.3	7	282.3	7	7	282.3	7	7	282.3	7
19:00 20:00	8	274.7	8	8	274.7	8	8	274.7	8	274.7	8	8	274.7	8	274.7	8	274.7	8	8	274.7	8	8	274.7	8
20:00 21:00	9	309.4	9	9	309.4	9	9	309.4	9	309.4	9	9	309.4	9	309.4	9	309.4	9	9	309.4	9	9	309.4	9
21:00 22:00	8	306.2	8	8	306.2	8	8	306.2	8	306.2	8	8	306.2	8	306.2	8	306.2	8	8	306.2	8	8	306.2	8
22:00 23:00	5	194.4	5	5	194.4	5	5	194.4	5	194.4	5	5	194.4	5	194.4	5	194.4	5	5	194.4	5	5	194.4	5
23:00 0:00	2	59.0	2	2	59.0	2	2	59.0	2	59.0	2	2	59.0	2	59.0	2	59.0	2	2	59.0	2	2	59.0	2
Total	0	0.0	0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0
Day	0	0.0	0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0
Night	0	0.0	0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0
% Day	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Night	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tonnes/lead	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

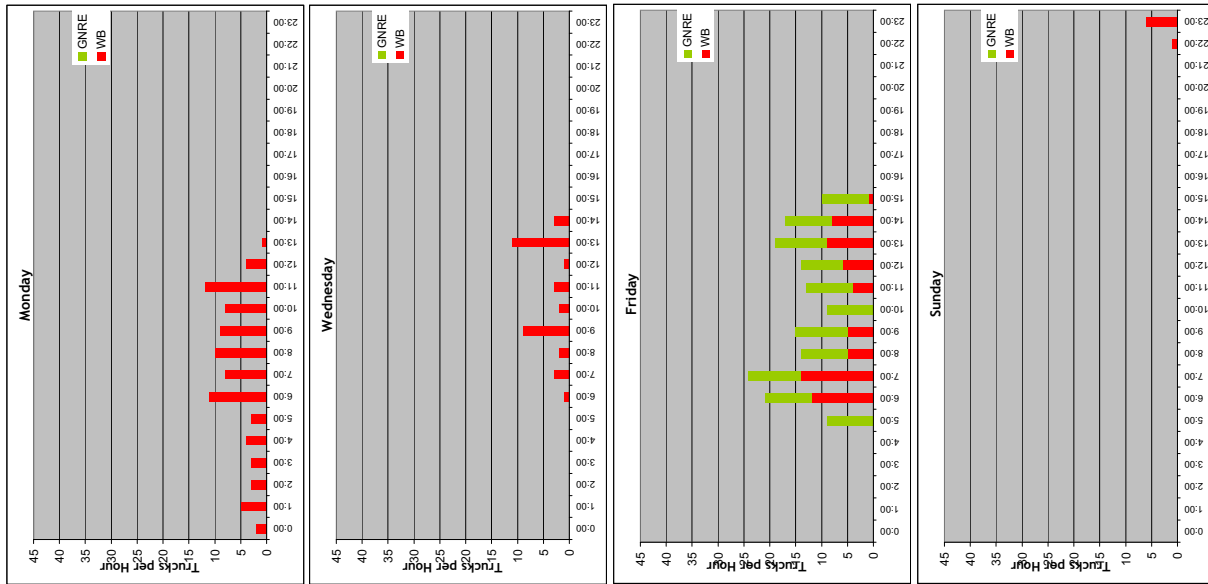
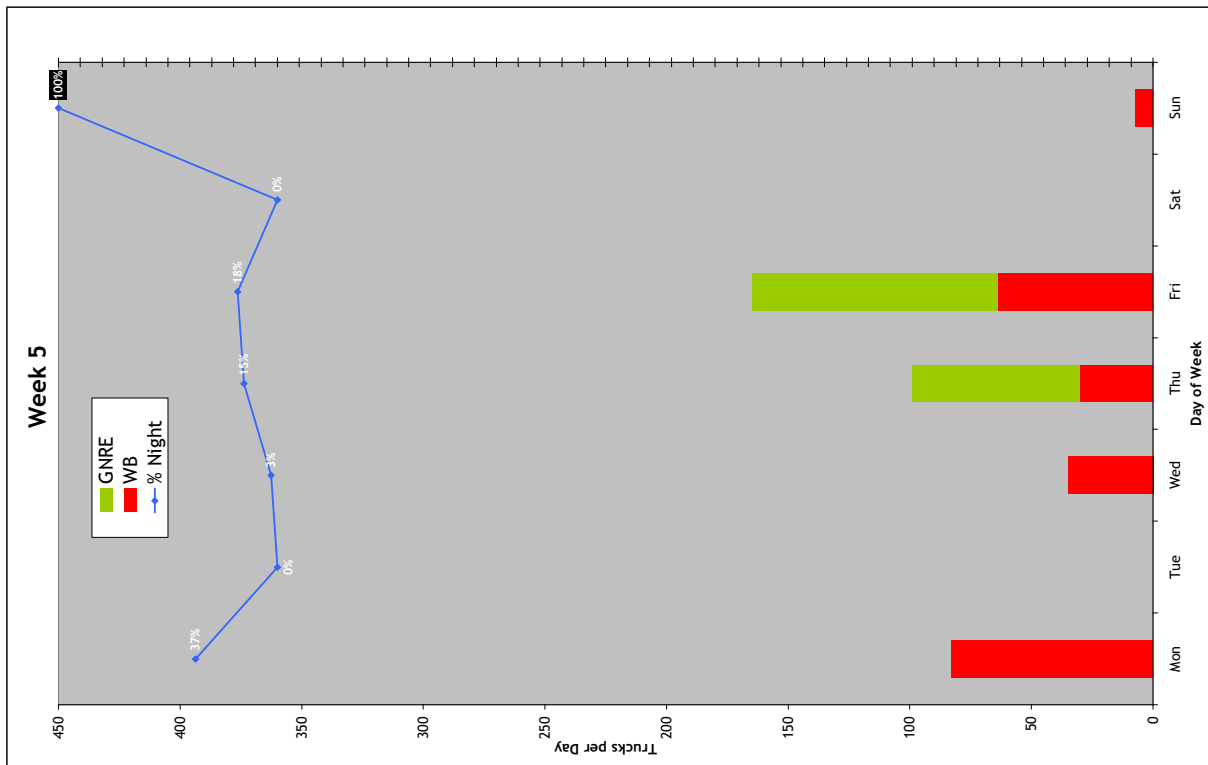
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 4: 24 Mar - 30 Mar 2008



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
 Week 5: 31 Mar - 6 Apr 2008

From	To	Monday 31/03/2008			Tuesday 1/04/2008			Wednesday 2/04/2008			Thursday 3/04/2008			Friday 4/04/2008			Saturday 5/04/2008			Sunday 6/04/2008			Week Total Week			
		WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	WB	GNRE	ALL	
0:00	1:00	2	62.7	2	62.7																					
1:00	2:00	5	179.8	5	179.8																					
2:00	3:00	3	107.3	3	107.3																					
3:00	4:00	3	117.8	3	117.8																					
4:00	5:00	4	132.6	4	132.6																					
5:00	6:00	3	106.2	3	106.2																					
6:00	7:00	11	301.6	11	301.6																					
7:00	8:00	8	255.3	8	255.3																					
8:00	9:00	10	317.1	10	317.1																					
9:00	10:00	9	268.5	9	268.5																					
10:00	11:00	8	229.0	8	229.0																					
11:00	12:00	12	346.2	12	346.2																					
12:00	13:00	4	113.4	4	113.4																					
13:00	14:00	1	29.6	1	29.6																					
14:00	15:00																									
15:00	16:00																									
16:00	17:00																									
17:00	18:00																									
18:00	19:00																									
19:00	20:00																									
20:00	21:00																									
21:00	22:00																									
22:00	23:00																									
23:00	0:00																									
Total		83	2566.9	0	0.0	83	2566.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Day		52	1559.0	0	0.0	52	1559.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Night		31	1007.9	0	0.0	31	1007.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
% Day		62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	62.7%	0.0%	
% Night		37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	37.3%	0.0%	
Tonnes/lead		30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	30.9	0.0	
		1620	924.11			3491.1	3491.1																			

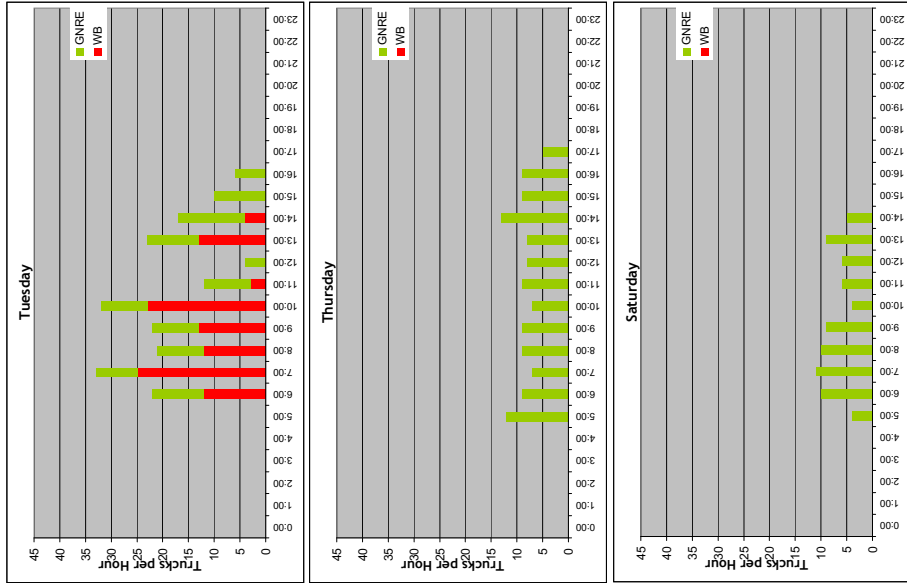
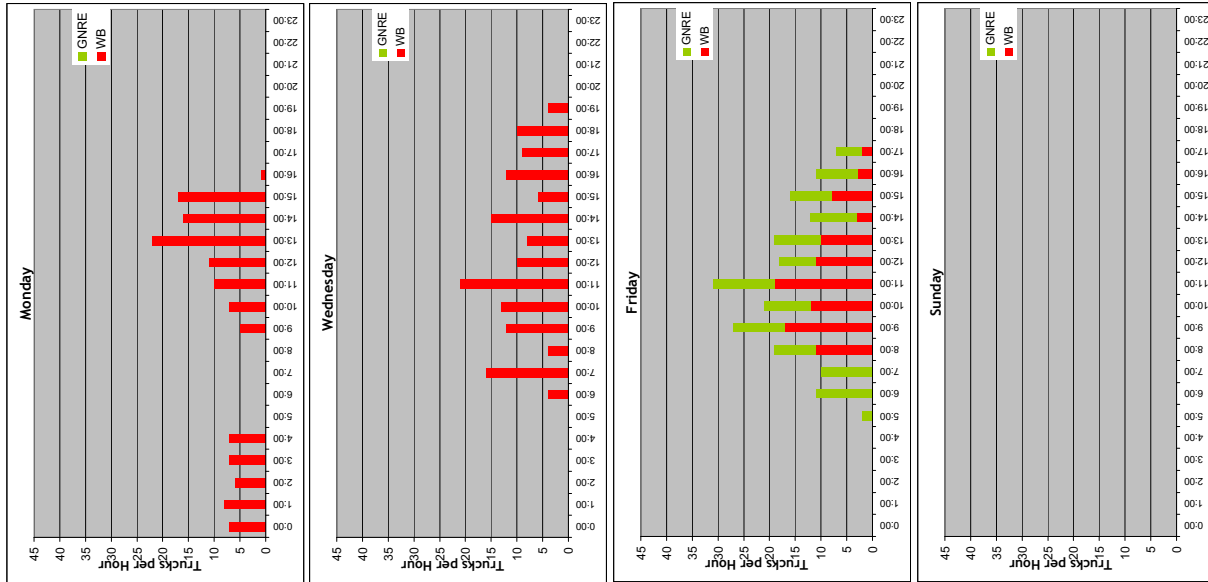
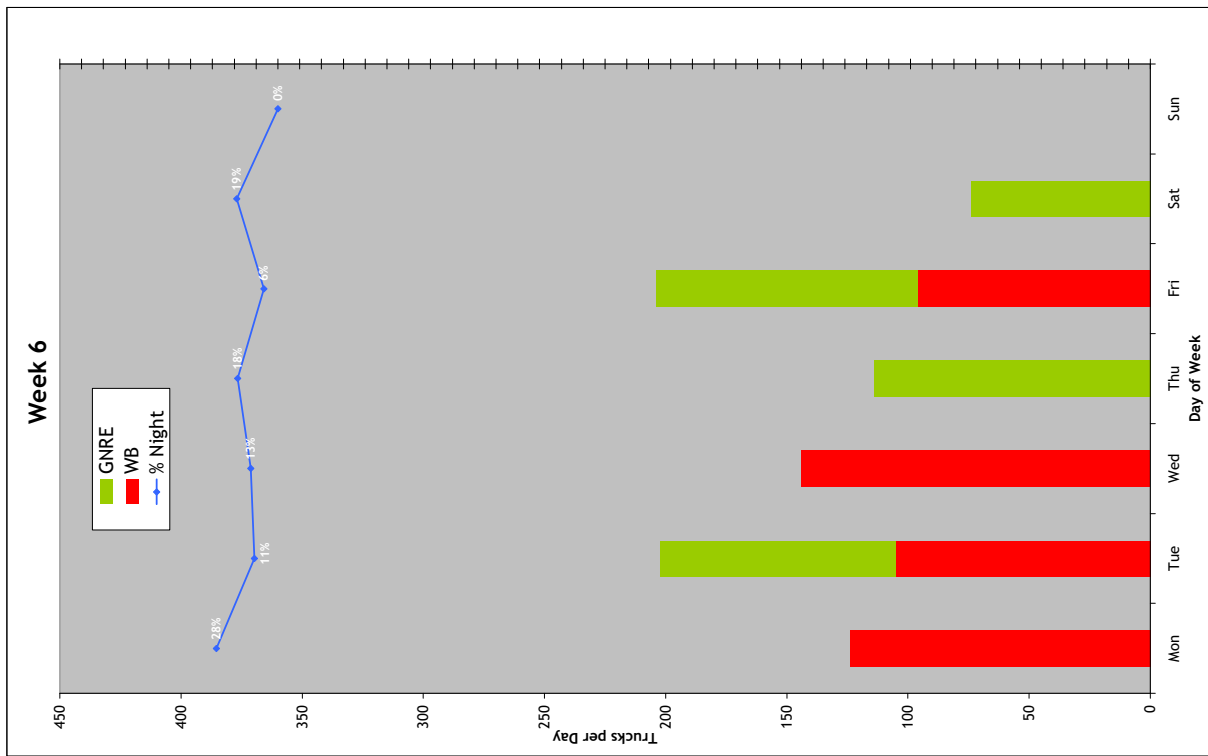
PKT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
 Week 5: 31 Mar - 6 Apr 2008



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 6: 7 Apr - 13 Apr 2008

From	To	Monday 7/04/2008			Tuesday 8/04/2008			Wednesday 9/04/2008			Thursday 10/04/2008			Friday 11/04/2008			Saturday 12/04/2008			Sunday 13/04/2008			Week Total		
		WB		ALL	WB		ALL	WB		ALL	WB		ALL	WB		ALL	WB		ALL	WB		ALL	WB		ALL
		Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes
0:00	1:00	7	238.7																					7	238.7
1:00	2:00	8	291.3																					8	291.3
2:00	3:00	6	224.2																					6	224.2
3:00	4:00	7	233.1																					7	233.1
4:00	5:00	7	248.6																					7	248.6
5:00	6:00																								
5:00	7:00																								
7:00	8:00																								
8:00	9:00																								
9:00	10:00	5	148.6																						
10:00	11:00	7	215.7																						
11:00	12:00	10	347.2																						
12:00	13:00	11	403.0																						
13:00	14:00	22	656.5																						
14:00	15:00	16	590.2																						
15:00	16:00	17	559.0																						
16:00	17:00	1	29.6																						
17:00	18:00																								
18:00	19:00																								
19:00	20:00																								
20:00	21:00																								
21:00	22:00																								
22:00	23:00																								
23:00	0:00																								
Total		124	4185.7	0	0.0	124	4185.7	0	0.0	124	4185.7	0	0.0	124	4185.7	0	0.0	124	4185.7	0	0.0	124	4185.7	7	238.7
Day		89	2949.9	0	0.0	89	2949.9	0	0.0	89	2949.9	0	0.0	89	2949.9	0	0.0	89	2949.9	0	0.0	89	2949.9	8	291.3
Night		35	1235.9	0	0.0	35	1235.9	0	0.0	35	1235.9	0	0.0	35	1235.9	0	0.0	35	1235.9	0	0.0	35	1235.9	7	248.6
% Night		28.2%		0.0%	28.2%			0.0%	28.2%			0.0%	28.2%			0.0%	28.2%			0.0%	28.2%			0.0%	28.2%
Tonnes/lead		33.8		0.0	33.8			0.0	33.8			0.0	33.8			0.0	33.8			0.0	33.8			34.1	

PKT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No. 1 Mine (GNRE)
 Week 6: 7 Apr - 13 Apr 2008



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008

From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)

6 Week Trial Summary

	Loads										Tonnes												
	WB - Day Time	WB - Night Time	WB - All Day	% Night Time	GNRE - Day Time	GNRE - Night Time	GNRE - All Day	% Night Time	ALL - Day Time	ALL - Night Time	ALL - All Day	WB - Day Time	WB - Night Time	WB - All Day	GNRE - Day Time	GNRE - Night Time	GNRE - All Day	ALL - Day Time	ALL - Night Time	ALL - All Day			
Week 1																							
3/03/2008	Monday	131	63	194	32%			131	63	194	32%	4473	2588	7061				4473	2588	7061			
4/03/2008	Tuesday	171	35	206	17%			171	35	206	17%	5925	1342	7267				5925	1342	7267			
5/03/2008	Wednesday	167	50	217	23%			167	50	217	23%	5923	1946	7869				5923	1946	7869			
6/03/2008	Thursday	156	83	239	35%			156	83	239	35%	5571	3215	8786				5571	3215	8786			
7/03/2008	Friday	108	34	142	24%	85	17	102	17%	193	51	244	21%	3984	1218	5202	2795	573	3368	6779	1791	8570	
8/03/2008	Saturday	14	2	16	13%	78	11	89	12%	92	13	105	12%	408	60	468	2460	366	2827	2868	426	3294	
9/03/2008	Sunday																						
Week 2																							
10/03/2008	Monday	126	41	167	25%			126	41	167	25%	4767	1343	6110				4767	1343	6110			
11/03/2008	Tuesday	86	59	145	41%	103	12	115	10%	189	71	260	27%	3092	2223	5315	3234	377	3611	6326	2600	8926	
12/03/2008	Wednesday	153	82	235	35%			153	82	235	35%	5655	3328	8983				5655	3328	8983			
13/03/2008	Thursday	120	71	191	37%	96	15	111	14%	216	86	302	28%	4434	2866	7300	3035	486	3521	7469	3352	10820	
14/03/2008	Friday	99	70	169	41%	92	10	102	10%	191	80	271	30%	3443	2723	6166	2896	316	3211	6339	3038	9377	
15/03/2008	Saturday					65	12	77	16%	65	12	77	16%				2084	376	2460	2084	376	2460	
16/03/2008	Sunday																						
Week 3																							
17/03/2008	Monday	108	22	130	17%			108	22	130	17%	3459	689	4148				3459	689	4148			
18/03/2008	Tuesday	123	111	234	47%	92	11	103	11%	215	122	337	36%	4297	4495	8793	2903	343	3246	7201	4838	12038	
19/03/2008	Wednesday	159	208	367	57%			159	208	367	57%	5609	7839	13448				5609	7839	13448			
20/03/2008	Thursday	158	161	319	50%			158	161	319	50%	5722	5930	11652				5722	5930	11652			
21/03/2008	Friday		46	46	100%					46	46	100%		1824	1824					1824	1824		
22/03/2008	Saturday																						
23/03/2008	Sunday																						

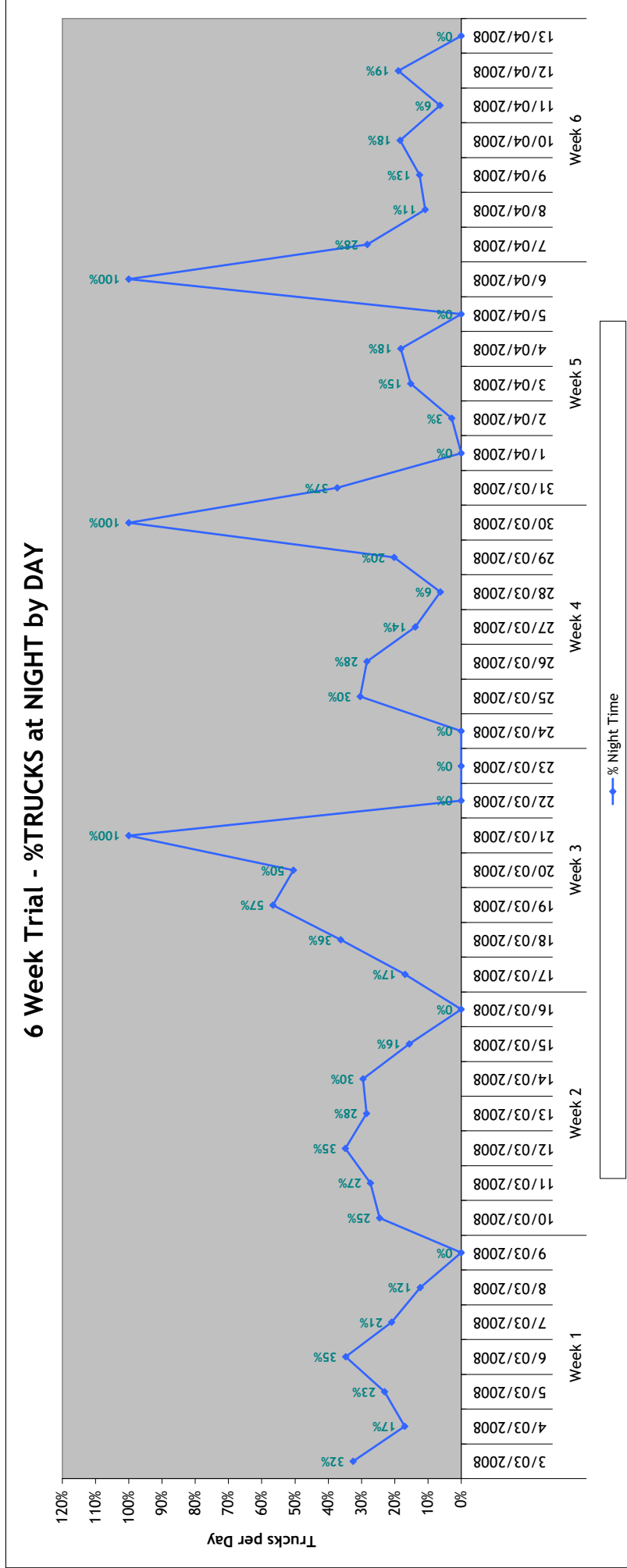
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008

From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)

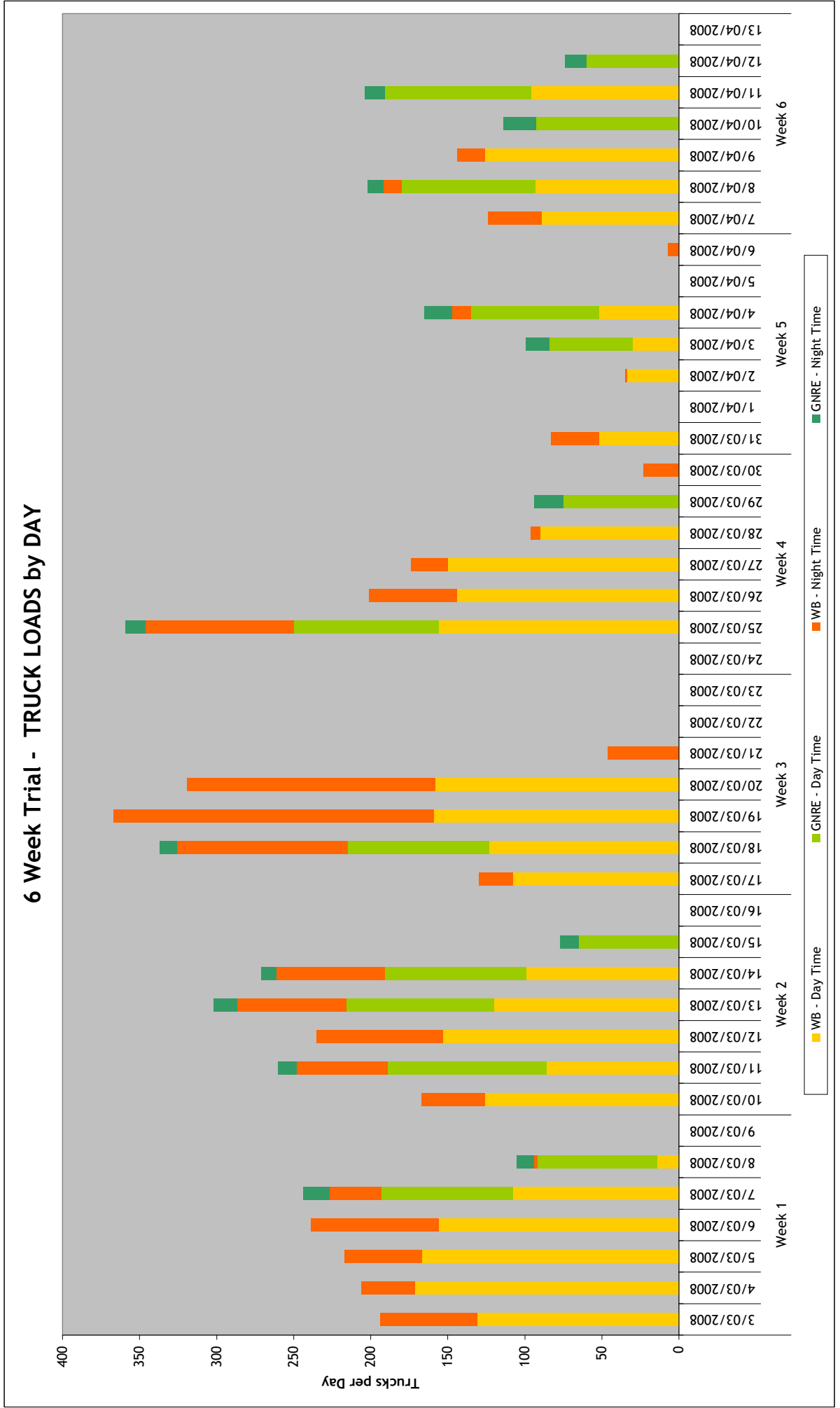
6 Week Trial Summary

	Loads										Tonnes														
	WB - Day Time	WB - Night Time	WB - All Day	% Night Time	GNRE - Day Time	GNRE - Night Time	GNRE - All Day	% Night Time	ALL - Day Time	ALL - Night Time	ALL - All Day	WB - Day Time	WB - Night Time	WB - All Day	GNRE - Day Time	GNRE - Night Time	GNRE - All Day	ALL - Day Time	ALL - Night Time	ALL - All Day					
Week 4	24/03/2008	Monday	156	96	252	38%	94	13	107	12%	250	109	359	30%	5461	3464	8926	2966	419	3385	8427	3883	12310		
	25/03/2008	Tuesday	144	57	201	28%					144	57	201	28%	4997	1909	6906				4997	1909	6906	6906	
	26/03/2008	Wednesday	150	24	174	14%					150	24	174	14%	5251	896	6147				5251	896	6147	6147	
	27/03/2008	Thursday	90	6	96	6%					90	6	96	6%	2828	209	3037				2828	209	3037	3037	
	28/03/2008	Friday					75	19	94	20%	75	19	94	20%				2393	605	2998	2393	605	2998	2998	
	29/03/2008	Saturday																						924	
	30/03/2008	Sunday	23	23	100%																			924	
Week 5	31/03/2008	Monday	52	31	83	37%					52	31	83	37%	1559	1008	2567				1559	1008	2567	2567	
	1/04/2008	Tuesday																							
	2/04/2008	Wednesday	34	1	35	3%					34	1	35	3%	982	31	1013				982	31	1013	1013	
	3/04/2008	Thursday	30	30	100%		54	15	69	22%	84	15	99	15%	887	887	1774				887	887	1774	1774	
	4/04/2008	Friday	52	12	64	19%	83	18	101	18%	135	30	165	18%	1555	482	2037	2800	603	3403	2800	603	3403	3403	
	5/04/2008	Saturday																							
	6/04/2008	Sunday	7	7	100%																			274	
Week 6	7/04/2008	Monday	89	35	124	28%					89	35	124	28%	2950	1236	4186				2950	1236	4186	4186	
	8/04/2008	Tuesday	93	12	105	11%	87	10	97	10%	180	22	202	11%	3185	437	3623	2829	340	3169	3623	2829	340	3169	
	9/04/2008	Wednesday	126	18	144	13%					126	18	144	13%	4712	728	5440				4712	728	5440	5440	
	10/04/2008	Thursday					93	21	114	18%	93	21	114	18%				2865	669	3534	2865	669	3534	3534	
	11/04/2008	Friday	96		96		95	13	108	12%	191	13	204	6%	3508		3508	3050	418	3469	3508	418	3469		
	12/04/2008	Saturday					60	14	74	19%	60	14	74	19%				1980	462	2443	1980	462	2443	2443	
	13/04/2008	Sunday																							
Week 1			747	267	1014	26%	163	28	191	15%	910	295	1205	24%	26285	10368	36653	5255	940	6195	31540	11308	42847	42847	
Week 2			584	323	907	36%	356	49	405	12%	940	372	1312	28%	21392	12482	33874	11248	1554	12802	32640	14036	46676	46676	
Week 3			548	548	1096	50%	92	11	103	11%	640	559	1199	47%	19088	20777	39865	2903	343	3246	21991	21120	43111	43111	
Week 4			540	206	746	28%	169	32	201	16%	709	238	947	25%	18537	7403	25940	5359	1024	6382	23896	8426	32322	32322	
Week 5			168	51	219	23%	137	33	170	19%	305	84	389	22%	4983	1795	6778	4638	1094	5732	9621	2889	12510	12510	
Week 6			404	65	469	14%	335	58	393	15%	739	123	862	14%	14355	2402	16757	10724	1889	12614	25080	4291	29370	29370	
Total			2991	1460	4451	32.8%	1252	211	1463	14.4%	4243	1671	5914	28%	104639	55227	159866	40128	6843	46971	144766	62070	206837	206837	
Tonnes/load															35.0	37.8	35.9	32.1	32.4	32.1	34.1	37.1	35.0	35.0	
		Total Days	42	42	42		42	42	42		42	42	42												
		Days with no delivery	15	14	12		27	27	27		11	8	8												
		Days with deliveries	27	28	30		15	15	15		31	34	34												
		% Days delivered	64%	67%	71%		36%	36%	36%		74%	81%	81%												

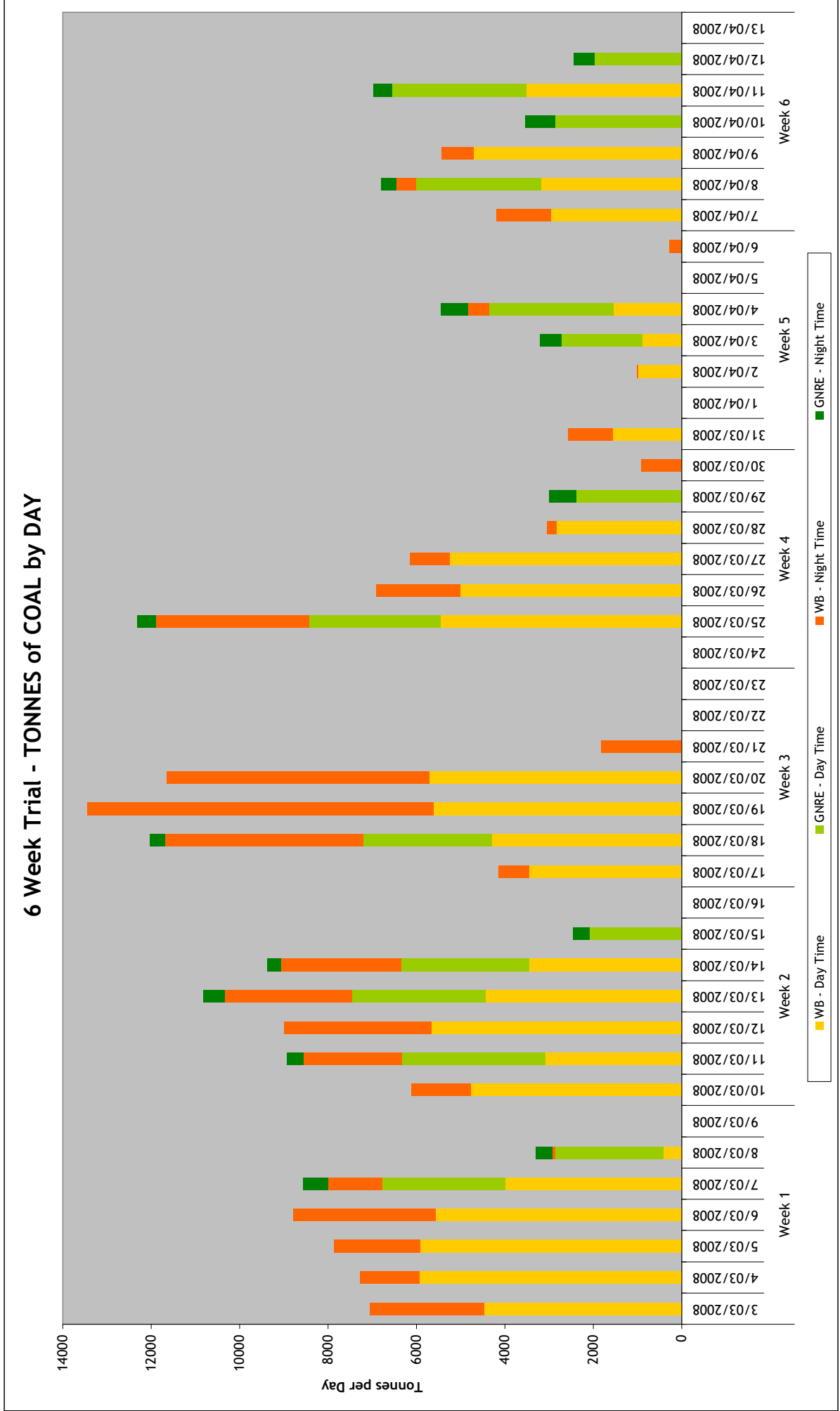
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
6 Week Trial Summary



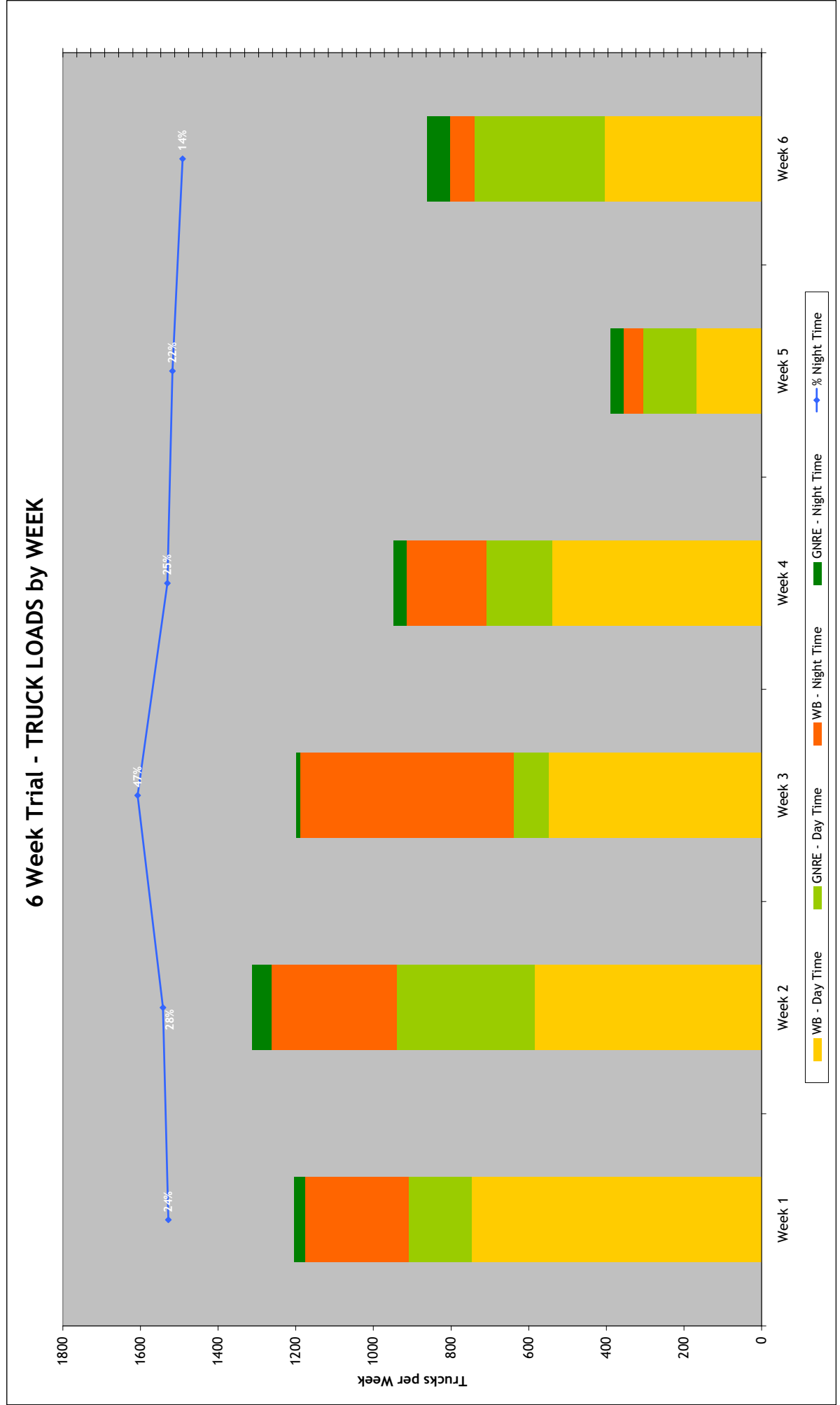
PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
6 Week Trial Summary



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
6 Week Trial Summary



PKCT ROAD RECEIVALS - 24/7 Trial: March - April 2008
 From Westcliff & Appin Collieries via Westcliff CPP & Gujarat NRE No.1 Mine (GNRE)
6 Week Trial Summary



Appendix R

Northern Distributor

Extension Traffic

Modelling Outputs

2016/2026

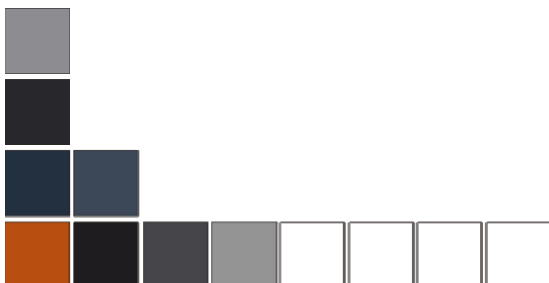
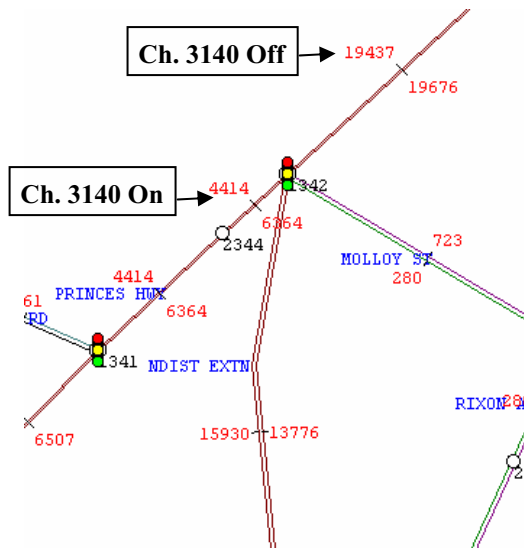
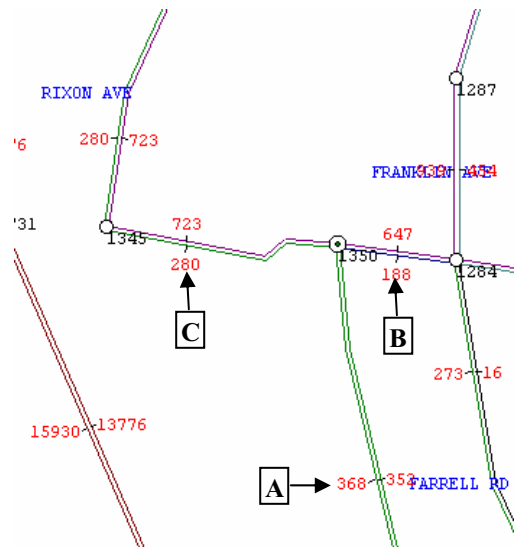


Table: 2016 All Day Volume

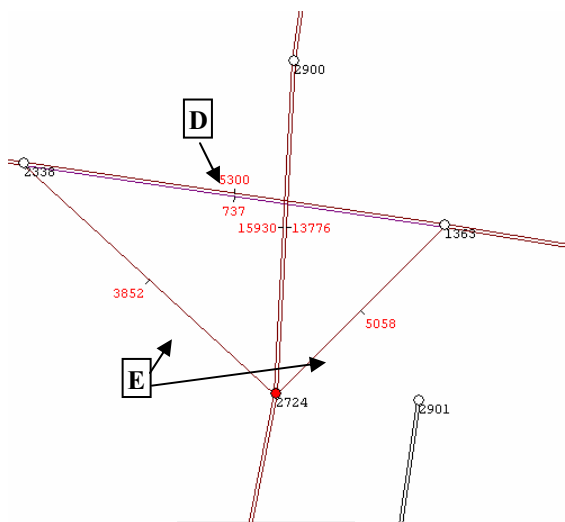
No.	Location	Reference Picture	Code	Section	Volume (24Hr)	
					Northbound (*Eastbound)	Southbound (*Westbound)
1	Mainline			Between Molloy St/Campbell St	15930	13776
				Between Campbell St/Gray St	19783	18834
				Between Gray St and New connection between Alice St/Doris Ave	17062	19148
				Between New connection between Alice St/Doris Ave and Bellambi Lane	19945	20181
2	Ch. 3140	1		Turning between NDE and Princes Highway north approach	15471 (Off)	13356(on)
				Turning between NDE and Princes Highway south approach	403 (Off)	420(on)
3	Ch. 3380	2		Thompson St connection	368	352
				Farrell Rd (East) (*)	647	188
				Farrell Rd (West) (*)	723	280
4	Ch. 3900	3		Campbell St on NDE Intersection (*)	5300	737
				On and off ramp at NDE to Campbell ST intersection	3852 (Off)	5058(on)
5	Ch. 4380	4		Gray St (*)	2881	2045
				Mitchell Rd	3455	1569
6	Ch. 4420	4		NDE Southbound to Thompson St/Park Road Connection	-	2000
				Thompson St/Park Rd Connection to NDE Southbound	-	2315
7	Ch. 4480	5		Thompson St to Park Rd	1534	1432
				Thompson St to Mitchell Rd	780	568
8	Ch.5140	6		NDE to proposed service road (East of NDE)	207	107
				NDE to York Road	3407	878
				York Road to NDE	646	1810
				Proposed service road (East of NDE) to NDE	85	209



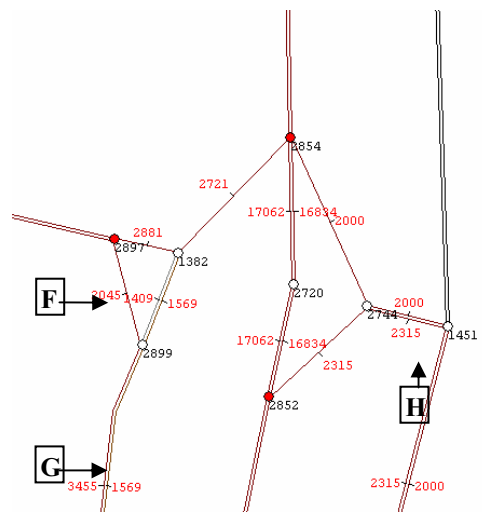
Picture 1



Picture 2

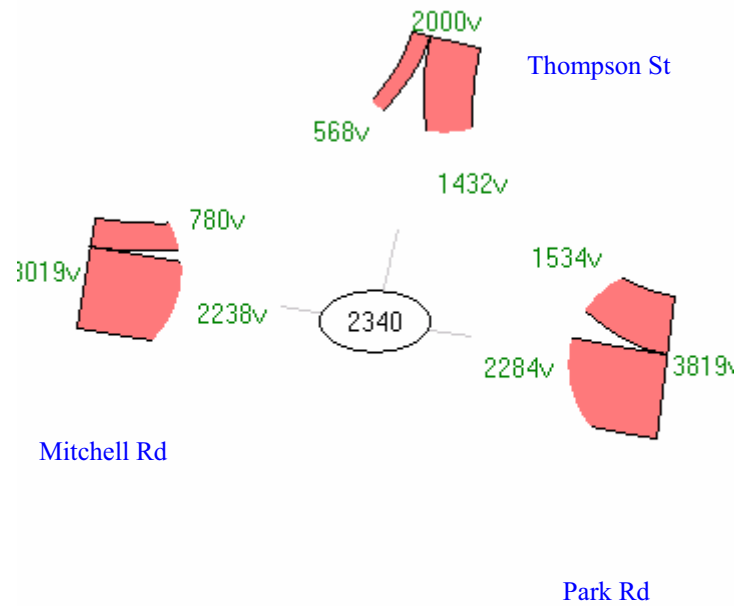


Picture 3

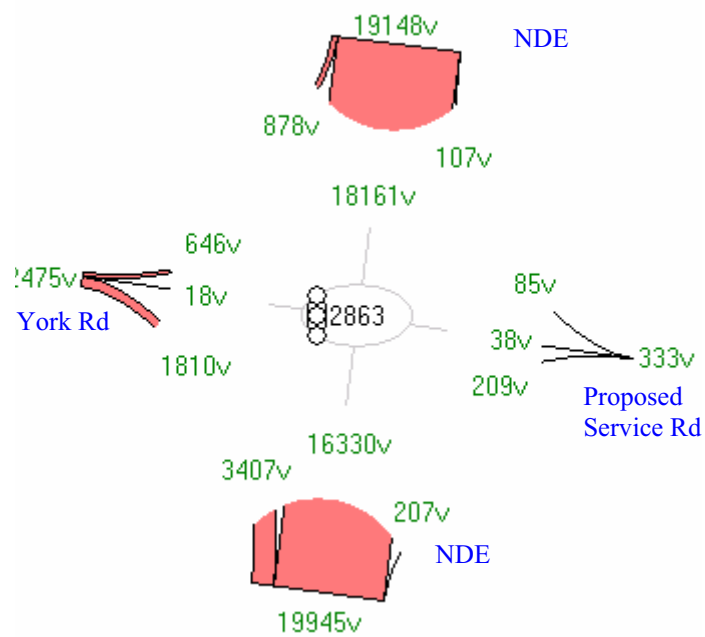


Picture 4

Wollongong NDE Study	2016 Wollongong All Day Volume
Gabites Porter	



Picture 5

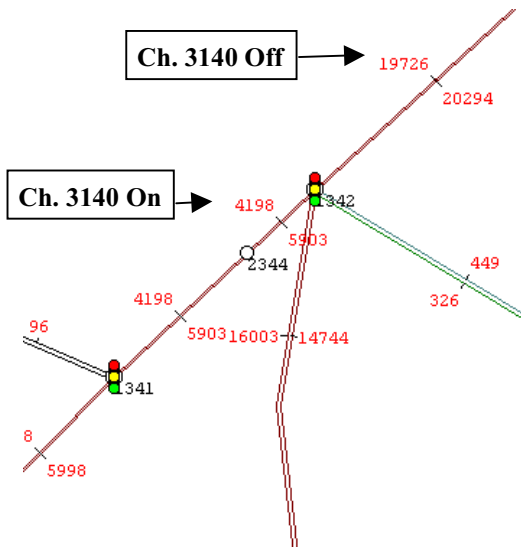


Picture 6

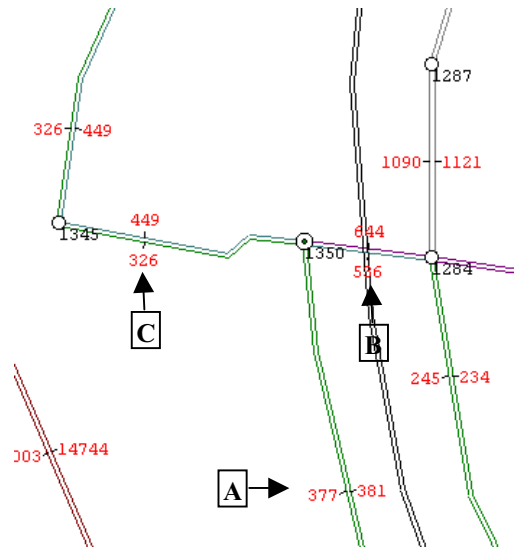
Wollongong NDE Study	2016 Wollongong All Day Volume
Gabites Porter	

Table: 2026 All Day Volume

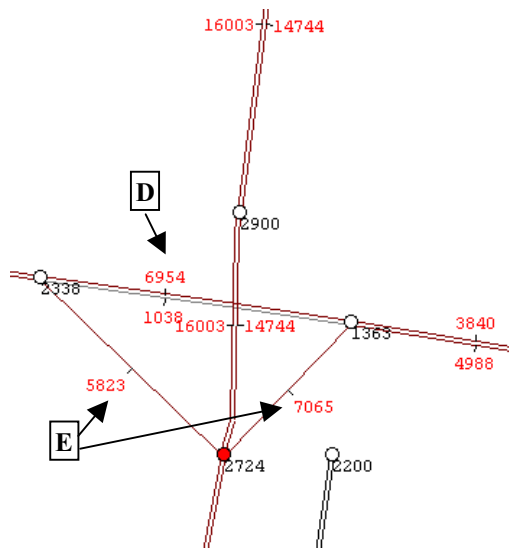
No.	Location	Reference Picture	Code	Section	Volume (24Hr)	
					Northbound (*Eastbound)	Southbound (*Westbound)
1	Mainline			Between Molloy St/Campbell St	16033	14744
				Between Campbell St/Gray St	21824	21808
				Between Gray St and New connection between Alice St/Doris Ave	18048	22121
				Between New connection between Alice St/Doris Ave and Bellambi Lane	22860	23813
				South of Bellambi Lane	20474	22873
2	Ch. 3140	1		On and off ramp at NDE to Princes Highway connection	19726(Off)	4198(on)
3	Ch. 3380	2		Thompson St connection	377	381
				Farrell Rd (East) (*)	644	536
				Farrell Rd (West) (*)	449	326
4	Ch. 3900	3		Campbell St on NDE Intersection (*)	6954	1038
				On and off ramp at NDE to Campbell ST intersection	5523(Off)	7065(on)
5	Ch. 4380	4		Gray St (*)	2986	3246
				Mitchell Rd	5346	1322
6	Ch. 4420	4		NDE Southbound to Thompson St/Park Road Connection	-	2682
				Thompson St/Park Rd Connection to NDE Southbound	-	2997
7	Ch. 4480	5		Thompson St to Park Rd	2040	2566
				Thompson St to Mitchell Rd	414	627
8	Ch.5140	6		NDE to proposed service road (East of NDE)	300	176
				NDE to York Road	5252	1047
				York Road to NDE	608	2617
9		7		Proposed service road (East of NDE) to NDE	130	298
				East of Bellambi Lane	6000	6758
				West of Bellambi Lane	3558	2868



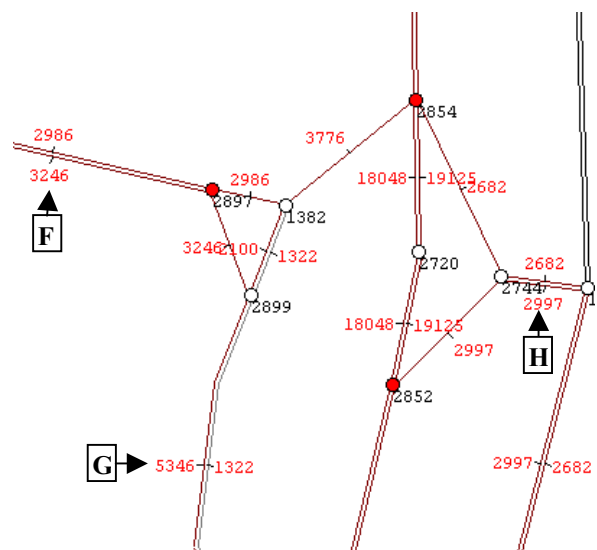
Picture 1



Picture 2

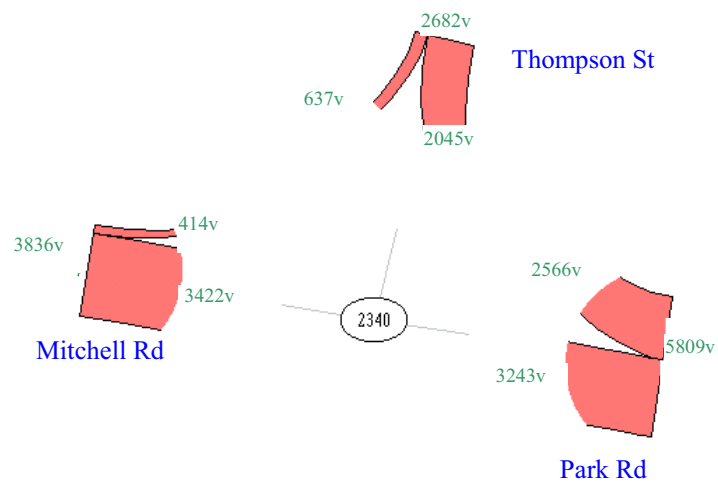


Picture 3

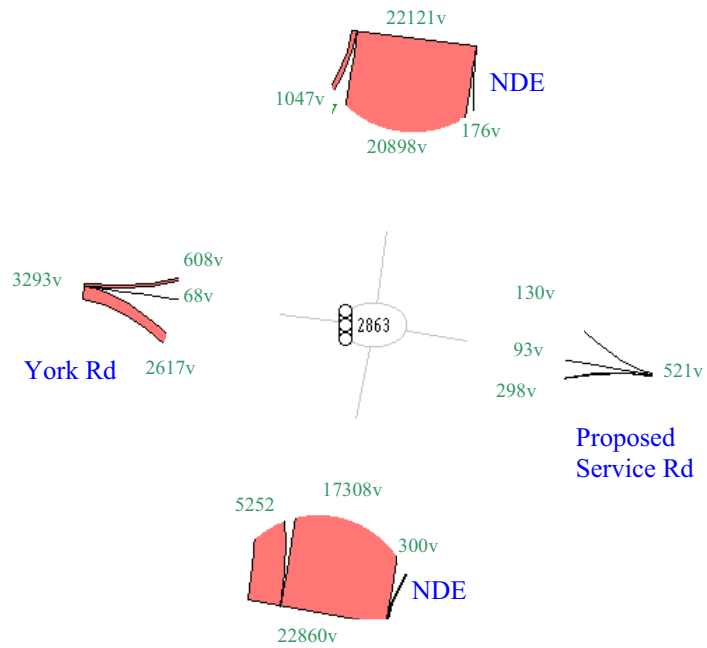


Picture 4

Wollongong NDE Study	2026 Wollongong All Day Volume
Gabites Porter	

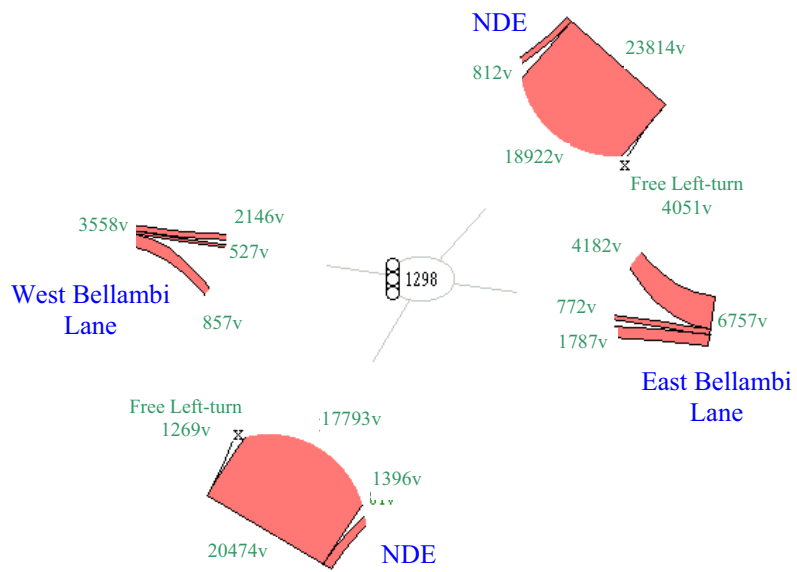


Picture 5



Picture 6

Wollongong NDE Study	2026 Wollongong All Day Volume
Gabites Porter	

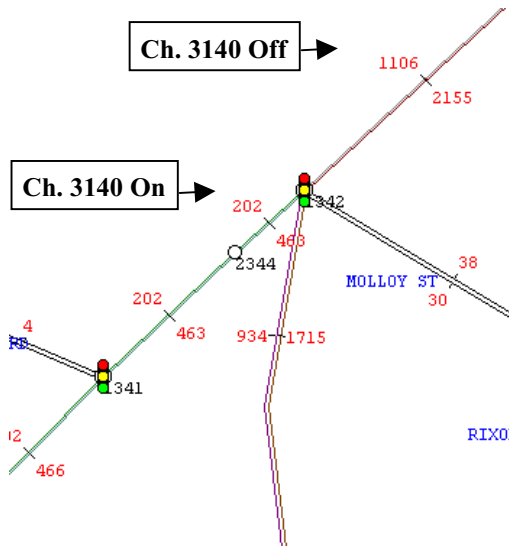


Picture 7

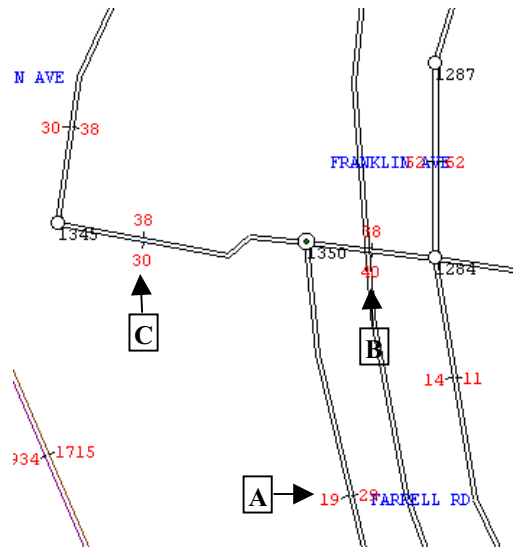
Wollongong NDE Study	2026 Wollongong All Day Volume
Gabites Porter	

Table: 2026 Am Peak Volume

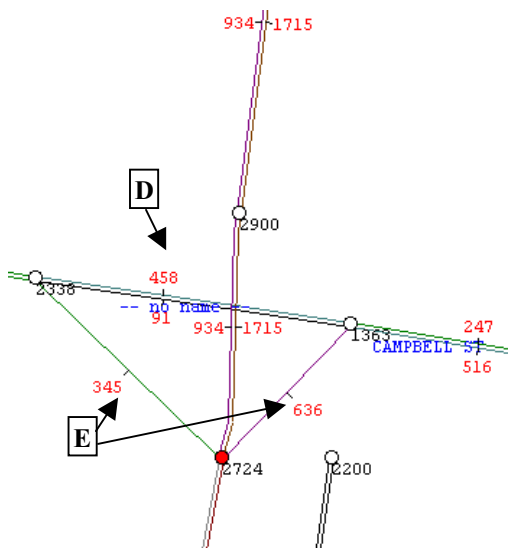
No.	Location	Reference Picture	Code	Section	Volume (24Hr)	
					Northbound (*Eastbound)	Southbound (*Westbound)
1	Mainline			Between Molloy St/Campbell St	934	1715
				Between Campbell St/Gray St	1279	2350
				Between Gray St and New connection between Alice St/Doris Ave	1032	2368
				Between New connection between Alice St/Doris Ave and Bellambi Lane	1279	2606
				South of Bellambi Lane	1129	2740
2	Ch. 3140	1		On and off ramp at NDE to Princes Highway connection	1106(Off)	202(on)
3	Ch. 3380	2	A	Thompson St connection	19	29
			B	Farrell Rd (East) (*)	36	30
			C	Farrell Rd (West) (*)	38	30
4	Ch. 3900	3	D	Campbell St on NDE Intersection (*)	458	91
			E	On and off ramp at NDE to Campbell ST intersection	345(Off)	636(on)
5	Ch. 4380	4	F	Gray St (*)	220	239
			G	Mitchell Rd	361	95
6	Ch. 4420	4	H	NDE Southbound to Thompson St/Park Road Connection	-	172
			H	Thompson St/Park Rd Connection to NDE Southbound	-	208
7	Ch. 4480	5		Thompson St to Park Rd	126	172
				Thompson St to Mitchell Rd	35	45
8	Ch.5140	6		NDE to proposed service road (East of NDE)	18	18
				NDE to York Road	269	75
				York Road to NDE	33	304
9		7		Proposed service road (East of NDE) to NDE	5	8
				East of Bellambi Lane	413	523
				West of Bellambi Lane	372	197



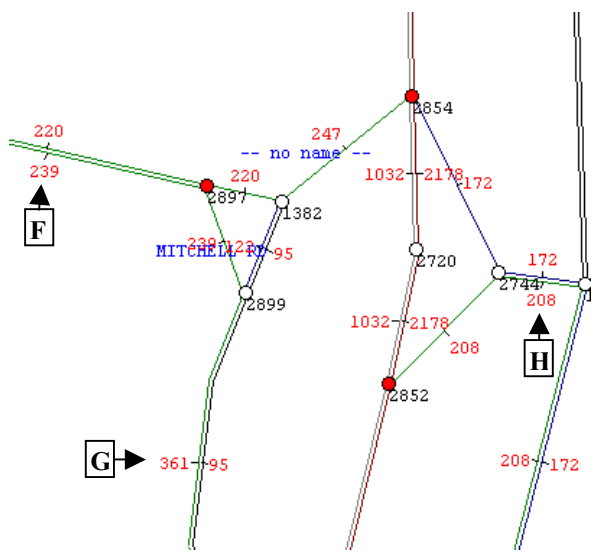
Picture 1



Picture 2



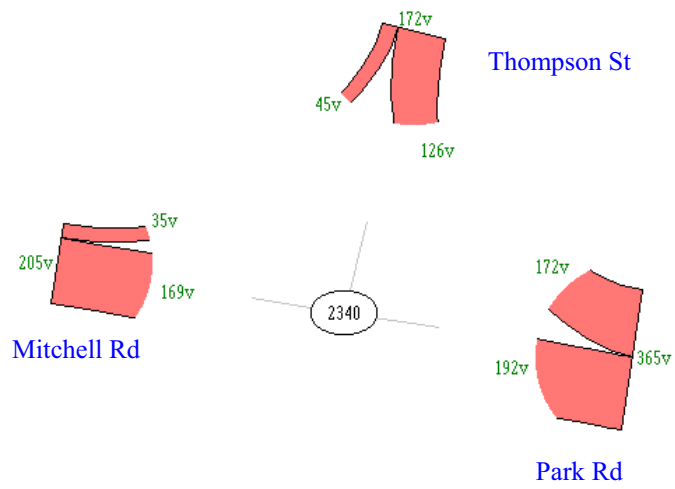
Picture 3



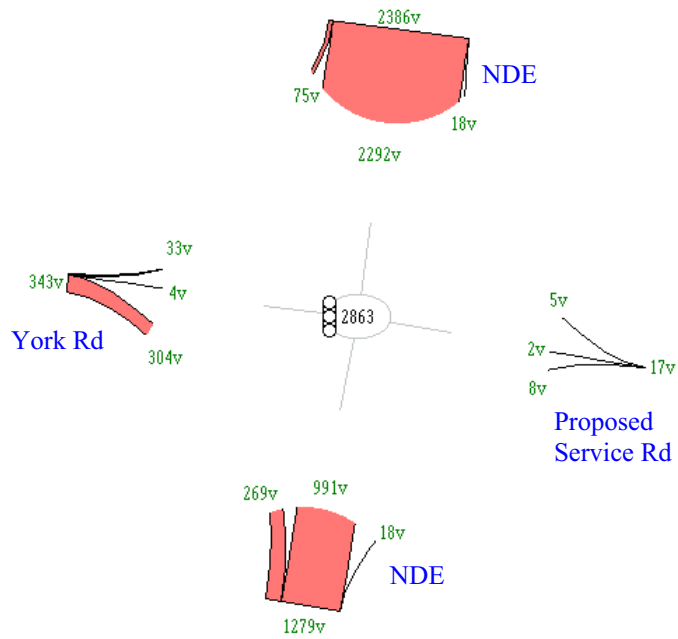
Picture 4

Wollongong NDE Study
 Gabites Porter

2026 Wollongong Am Peak Volume

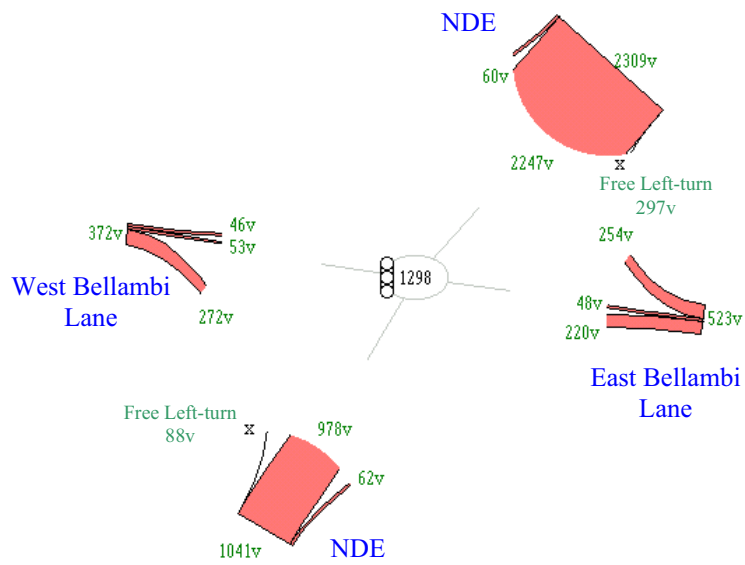


Picture 5



Picture 6

Wollongong NDE Study	2026 Wollongong Am Peak Volume
Gabites Porter	

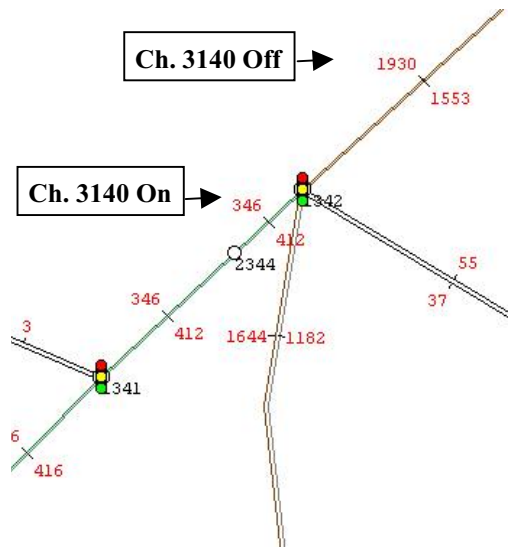


Picture 7

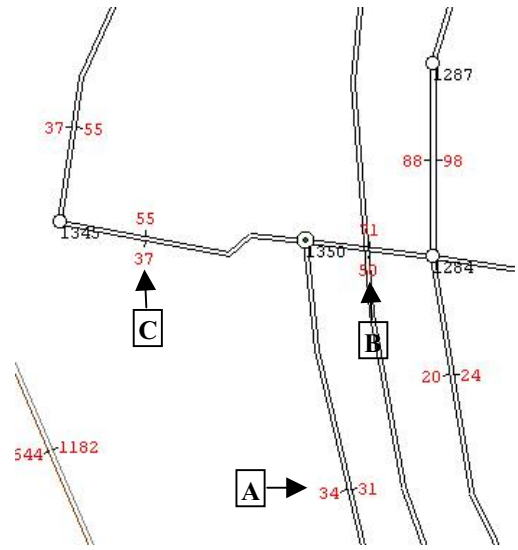
Wollongong NDE Study	2026 Wollongong Am Peak Volume
Gabites Porter	

Table: 2026 Pm Peak Volume

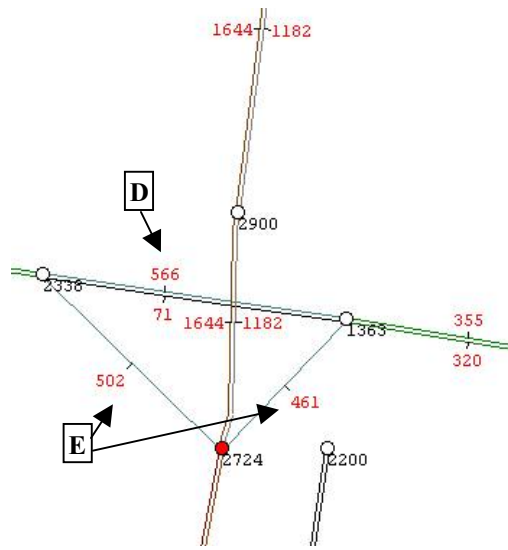
No.	Location	Reference Picture	Code	Section	Volume (24Hr)	
					Northbound (*Eastbound)	Southbound (*Westbound)
1	Mainline			Between Molloy St/Campbell St	1644	1182
				Between Campbell St/Gray St	2145	1643
				Between Gray St and New connection between Alice St/Doris Ave	1822	1592
				Between New connection between Alice St/Doris Ave and Bellambi Lane	2280	1709
2	Ch. 3140	1		South of Bellambi Lane	2209	1625
				On and off ramp at NDE to Princes Highway connection	1930(Off)	346(on)
3	Ch. 3380	2		Thompson St connection	34	31
				Farrell Rd (East) (*)	71	50
				Farrell Rd (West) (*)	55	37
4	Ch. 3900	3		Campbell St on NDE Intersection (*)	566	71
				On and off ramp at NDE to Campbell ST intersection	502(Off)	461(on)
5	Ch. 4380	4		Gray St (*)	236	252
				Mitchell Rd	420	81
6	Ch. 4420	4		NDE Southbound to Thompson St/Park Road Connection	-	230
				Thompson St/Park Rd Connection to NDE Southbound	-	179
7	Ch. 4480	5		Thompson St to Park Rd	174	166
				Thompson St to Mitchell Rd	12	55
8	Ch.5140	6		NDE to proposed service road (East of NDE)	14	10
				NDE to York Road	509	93
				York Road to NDE	53	197
9		7		Proposed service road (East of NDE) to NDE	13	24
				East of Bellambi Lane	469	495
				West of Bellambi Lane	268	307



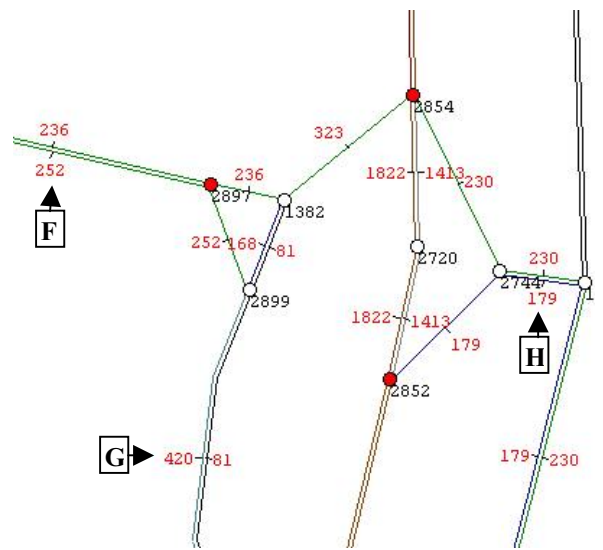
Picture 1



Picture 2



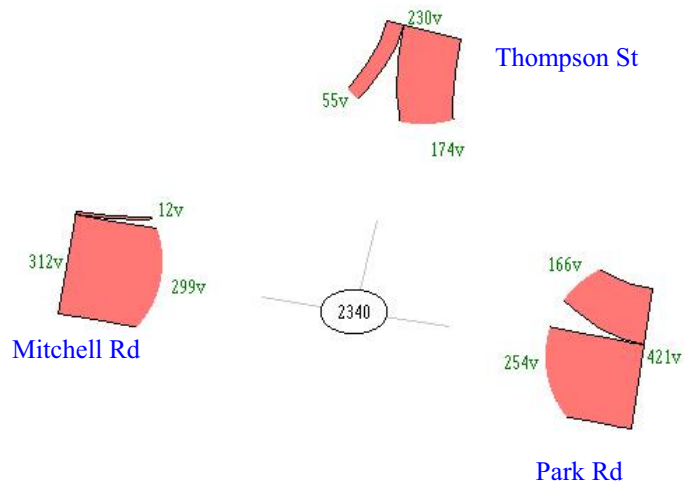
Picture 3



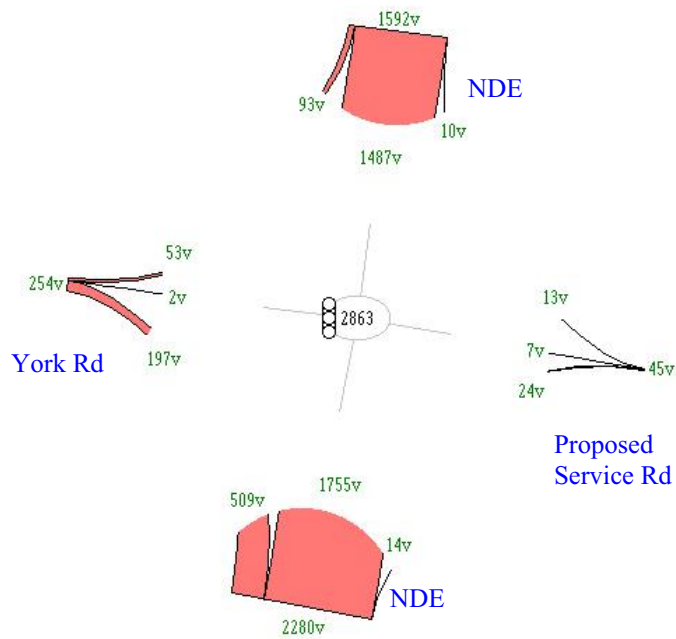
Picture 4

Wollongong NDE Study
Gabites Porter

2026 Wollongong Pm Peak Volume

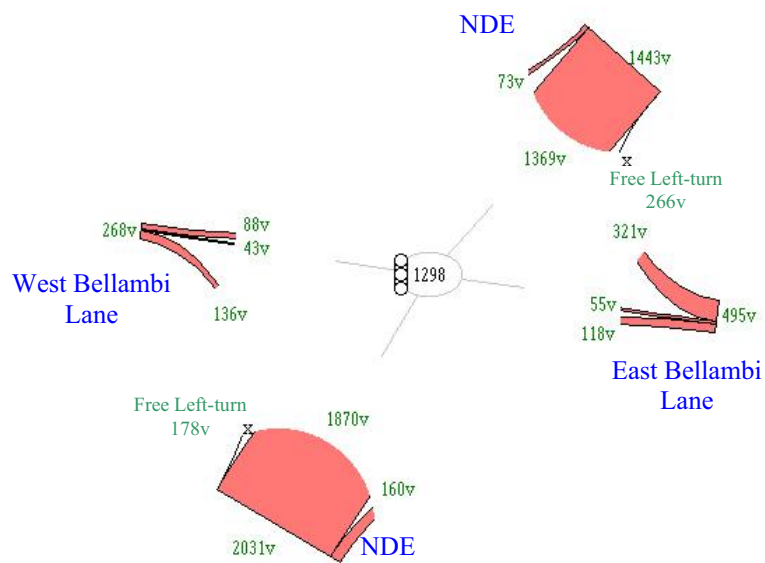


Picture 5



Picture 6

Wollongong NDE Study	2026 Wollongong Pm Peak Volume
Gabites Porter	



Picture 7

Wollongong NDE Study	2026 Wollongong Pm Peak Volume
Gabites Porter	

Appendix S

Northern Distributor

Extension Traffic

Modelling Outputs

2008/2018

NORTHERN DISTRIBUTOR EXTENSION NOISE MITIGATION DESIGN

**Report No 01056-D
Version B**

May 2006

Prepared for

**SMEC Australia Pty Ltd
Level 5, 118 Walker Street
NORTH SYDNEY NSW 2060**

Prepared by

WILKINSON MURRAY PTY. LIMITED

ABN 41 192 548 112
1ST FLOOR, 123 WILLOUGHBY ROAD, CROWS NEST, NSW 2065 AUSTRALIA
TEL (02) 9437 4611 FAX (02) 9437 4393 EMAIL acoustics@wmpl.com.au

Table 3-2 Traffic Data 2008

Road Section	Day (7.00am-10.00pm)				Night (10.00pm-7.00am)				Weekday Peak Hour (8.00-9.00am)							
	NB/EB	HV	LV	SB/WB	NB/EB	HV	LV	SB/WB	NB/EB	HV	LV	NB/EB	HV	LV	SB/WB	
	LV	HV	LV	SB/WB	NB/EB	HV	LV	SB/WB	NB/EB	HV	LV	NB/EB	HV	LV	SB/WB	
Princes Hwy, between Organs Rd and Molloy St	11,717	487	12,346	490	1,113	52	1,461	50	1,028	41	1,046	41	1,028	41	1,046	43
Princes Hwy, between Hospital Rd and Molloy St	9,642	400	10,758	411	924	43	1,256	41	930	38	865	38	930	38	865	35
Malloy St/Rixon Ave	1,599	85	2,077	68	190	9	206	8	98	4	181	4	98	4	181	8
Farrell Rd, east of Thompson St	3,473	136	1,284	148	331	14	436	15	302	31	291	31	302	31	291	12
Farrell Rd, between Rixon Ave and Thompson St	2,344	113	3,005	135	288	12	302	14	227	11	246	11	227	11	246	10
Thompson St, between Farrell Rd and Russell St	4,818	200	4,473	181	437	21	529	18	398	16	366	16	398	16	366	15
Thompson St, between Russell St and Muir St	4,850	185	4,316	164	438	19	510	17	403	16	328	16	403	16	328	14
Russell St, west of Thompson St	153	17	339	30	15	2	35	3	14	1	33	1	14	1	33	2
Thompson St, between Muir St and Campbell St	4,850	185	4,316	147	438	19	482	15	403	16	328	16	403	16	328	12
Campbell St, east of Thompson St	907	63	1,909	110	88	7	211	11	85	6	129	6	85	6	129	8
Campbell St, west of Thompson St	1,836	140	1,818	153	176	15	188	16	179	13	192	13	179	13	192	14
Thompson St, between Campbell St and Gray St	6,616	320	6,841	317	614	33	771	32	584	28	540	28	584	28	540	26
Gray St, west of Campbell St/Mitchell St	1,781	106	1,832	98	198	11	193	10	135	8	179	8	135	8	179	9
Mitchell St, between Gray St and park Rd	7,966	385	8,141	390	754	39	916	40	715	34	628	34	715	34	628	31
Park Road, east of Mitchell St	4,088	221	3,223	189	391	23	328	20	350	18	241	18	350	18	241	14
Mitchell St, between Park Rd and Alice St	8,801	387	8,090	360	823	39	921	37	777	34	589	34	777	34	589	27
York St, between Alice st and Doris Ave	9,721	428	8,980	390	904	43	1,027	40	864	38	634	38	864	38	634	29
Doris Ave, west of York St	1,091	45	1,082	47	126	5	96	5	87	3	98	3	87	3	98	4
York St, between Doris Ave and Bellambi Ln	10,084	442	9,371	403	930	45	1,082	41	899	40	646	40	899	40	646	29
Bellambi Ln, east of NDE	1,884	88	6,432	308	186	9	677	32	156	7	740	7	156	7	740	33
Bellambi Ln, west of NDE	1,594	238	1,298	59	786	24	100	6	724	29	122	29	724	29	122	7
NDE, South of Bellambi Ln	5,728	217	12,098	422	501	22	1,470	43	313	12	918	12	313	12	918	33
Farrell E Franklin	1,724	85	1,754	85	176	9	207	9	134	7	142	7	134	7	142	7
Farrell W Rixon	981	36	932	49	96	4	113	5	46	3	148	3	46	3	148	7
Park	4,088	221	3,223	189	391	23	328	20	350	18	241	18	350	18	241	14
Alice Street	920	41	888	30	82	4	106	3	88	4	46	4	88	4	46	2
Franklin N Farrell	3,079	115	3,011	102	333	12	323	10	273	12	212	12	273	12	212	7
Franklin S Farrell	627	28	272	15	68	2	27	3	75	1	24	1	75	1	24	1

Table 3-3 Traffic Data 2018

Road Section	Day (7.00am-10.00pm)				Night (10.00pm-7.00am)				Weekday Peak Hour (2-3pm)			
	NB/EB		SB/WB		NB/EB		SB/WB		NB/EB		SB/WB	
	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV
NDE Molloy St/Campbell St	12,873	481	12,194	407	1,218	51	1,488	41	1,068	41	777	27
NDE Campbell St/Gray St	17,438	745	17,296	688	1,664	78	2,081	70	1,458	64	1,211	52
NDE Gray St and New connection between Alice St/Doris Ave	14,669	572	17,382	669	1,382	60	2,104	68	1,190	47	1,295	55
NDE between Alice St/Doris Ave and Bellambi Lane	18,474	766	18,907	567	1,738	80	2,299	75	1,538	65	1,375	58
South of Belambi Lane	16,565	636	18,012	650	1,523	66	2,274	67	1,304	51	1,268	52
Princess Highway North of NDE	15,130	606	15,562	598	1,430	64	1,870	60	1,258	52	1,160	47
Princess Highway South of NDE	2,620	173	3,611	223	247	18	404	23	219	15	409	24
Thompson St connection	276	17	275	17	26	2	30	2	25	2	23	1
Farrell Rd	513	32	388	20	50	4	41	2	38	2	33	2
Farrell Rd	360	20	234	18	36	2	23	2	20	1	17	1
Campbell St on NDE Intersection	5,021	324	671	63	512	33	79	7	448	29	55	5
On and Off ramp at NDE to Campbell St Intersection	4,562	275	5,104	280	447	28	594	29	391	23	434	25
Gray St	2,071	136	2,412	138	219	14	258	14	238	15	182	11
Mitchell Rd	3,872	234	763	59	404	24	82	6	333	21	120	7
NDE Southbound to Thompson St/Park Road Connection	-	-	1,890	124	-	-	191	13	-	-	139	9
Thompson St/Park Road Connection to NDE Southbound	-	-	1,976	108	-	-	214	11	-	-	224	12
Thompson St to Park Rd	1,801	94	1,416	94	195	10	142	10	159	8	119	8
Thompson St to Mitchell Rd	150	0	459	17	17	0	48	2	64	3	19	1
NDE to proposed service road	205	15	114	0	22	2	14	0	21	2	10	1
NDE to York Road	4,117	196	735	34	383	20	76	4	352	17	60	3
York Road to NDE	436	17	2,168	79	43	2	268	8	16	0	130	5
Proposed service road to NDE	93	-	206	15	8	-	18	2	8	-	21	2
East Bellambi Lane	4,858	238	5,406	273	497	24	578	28	448	21	459	25
West Bellambi Lane	2,550	136	2,380	133	341	14	231	13	292	15	117	11

Appendix T

Future Background Traffic Volumes



This page intentionally left blank

PKCT EA - ROAD RECEIVALS REVIEW

Period: Average Weekday
 Year: 2009
 Operation: No CT
 Output: Omtpa
 Scenario: 6

Direction	2009 Average Weekday Omtpa @ No.CT												
	7. Bellambi Lane				8. Northern Distributor								
	Rght	Artc	CT	ALL	Rght	Artc	CT	ALL	Rght	Artc	CT	ALL	
	0:00	8	0	0	8	0	0	38	1	0	0	39	2.6%
	1:00	6	0	0	6	0	0	19	1	0	0	20	5.0%
	2:00	4	0	0	4	0	0	20	1	0	0	21	4.8%
	3:00	4	0	0	4	0	0	17	3	0	0	20	15.0%
	4:00	8	0	0	8	0	0	39	2	1	0	42	7.1%
	5:00	33	3	0	36	3	0	178	14	1	0	193	7.8%
	6:00	100	7	1	108	7	48	535	31	5	0	571	6.3%
	7:00	173	11	2	188	6	9	920	48	10	0	978	5.9%
	8:00	273	13	2	288	5	2	1335	48	10	0	1393	4.2%
	9:00	149	12	2	163	8	6	815	45	9	0	869	6.2%
	10:00	126	12	1	139	9	48	671	48	8	0	727	7.7%
	11:00	128	13	2	143	10	3	630	49	10	0	689	8.6%
	12:00	130	13	2	145	10	3	620	49	9	0	678	8.6%
	13:00	118	14	1	133	11	3	596	48	9	0	653	8.7%
	14:00	137	12	2	151	9	3	653	46	10	0	709	7.9%
	15:00	187	16	2	205	8	8	906	58	10	0	974	7.0%
	16:00	155	9	1	165	6	1	779	35	5	0	819	4.9%
	17:00	154	6	0	160	3	8	754	22	2	0	778	3.1%
	18:00	114	4	1	119	4	2	601	13	2	0	616	2.4%
	19:00	88	3	0	91	3	3	435	8	0	0	443	1.8%
	20:00	56	1	0	57	1	8	260	4	0	0	264	1.5%
	21:00	46	1	0	47	2	1	199	4	1	0	204	2.5%
	22:00	39	1	0	40	2	3	161	3	0	0	164	1.8%
	23:00	24	1	0	25	4	0	93	2	0	0	95	2.1%
Daily	2262	152	19	0	2433	7	0	11274	583	102	0	11959	5.7%
%All	93.0%	6.2%	0.8%	0.0%	94.3%	4.9%	0.9%	0.0%	94.3%	4.9%	0.9%	0.0%	
Day	2036	140	18	0	2194	7	2	10174	525	95	0	10794	5.7%
%All	92.8%	6.4%	0.8%	0.0%	94.3%	4.9%	0.9%	0.0%	94.3%	4.9%	0.9%	0.0%	
Night	226	12	1	0	239	5	4	1100	58	7	0	1165	5.6%
%All	94.6%	5.0%	0.4%	0.0%	94.6%	5.0%	0.6%	0.0%	94.6%	5.0%	0.6%	0.0%	
0:00	8	0	0	8	0	0	44	1	0	0	0	45	2.2%
1:00	5	0	0	5	0	0	21	1	0	0	0	22	4.5%
2:00	3	0	0	3	0	0	14	1	0	0	0	15	6.7%
3:00	4	1	0	5	20.0%	21	3	0	0	0	0	24	12.5%
4:00	15	2	0	17	11.8%	49	7	0	0	0	0	56	12.5%
5:00	50	6	1	57	12.3%	150	21	3	0	0	0	174	13.8%
6:00	123	16	2	141	12.8%	427	68	9	0	0	0	504	15.3%
7:00	141	22	3	166	15.1%	475	83	14	0	0	0	572	17.0%
8:00	188	17	4	209	10.0%	676	79	13	0	0	0	768	12.0%
9:00	145	18	2	165	12.1%	514	72	10	0	0	0	596	13.8%
10:00	137	17	3	157	12.7%	509	69	15	0	0	0	593	14.2%
11:00	146	19	1	166	12.0%	557	69	9	0	0	0	635	12.3%
12:00	144	16	1	161	10.8%	582	62	8	0	0	0	652	10.7%
13:00	148	16	2	166	10.8%	594	65	9	0	0	0	668	11.1%
14:00	182	17	2	201	9.3%	782	68	12	0	0	0	862	9.3%
15:00	250	19	1	270	7.4%	938	81	9	0	0	0	1028	8.8%
16:00	254	15	0	269	5.6%	1044	63	5	0	0	0	1112	6.1%
17:00	299	9	0	308	2.9%	1198	57	2	0	0	0	1257	4.7%
18:00	179	7	0	186	3.8%	742	34	2	0	0	0	778	4.6%
19:00	118	3	0	121	2.5%	483	19	1	0	0	0	503	4.0%
20:00	85	3	0	88	3.4%	379	15	1	0	0	0	395	4.1%
21:00	71	2	0	73	2.7%	308	13	0	0	0	0	321	4.0%
22:00	45	1	0	46	2.2%	201	8	0	0	0	0	209	3.8%
23:00	25	1	0	26	3.8%	127	5	0	0	0	0	132	3.8%
Daily	2745	227	23	0	3014	8.3%	10835	964	122	0	0	11921	9.1%
%All	91.7%	7.5%	0.7%	0.0%	90.9%	8.1%	1.0%	0.0%	90.9%	8.1%	1.0%	0.0%	
Day	2467	200	19	0	2706	8.1%	9781	849	110	0	0	10740	8.9%
%All	91.9%	7.4%	0.7%	0.0%	91.1%	7.9%	1.0%	0.0%	91.1%	7.9%	1.0%	0.0%	
Night	278	27	3	0	308	9.7%	1054	115	12	0	0	1181	10.8%
%All	90.3%	8.8%	1.0%	0.0%	89.2%	9.7%	1.0%	0.0%	89.2%	9.7%	1.0%	0.0%	

PKCT EA - ROAD RECEIVALS REVIEW

Period: Average Weekday
 Year: 2009
 Operation: No CT
 Output: 0mtpa
 Scenario: 6

Direction	2009 Average Weekday Ompa @ No.CT													
	7. Bellambi Lane							8. Northern Distributor						
	Time	Light	Rigid	Artc	CT	ALL	%	Light	Rigid	Artc	CT	ALL	%	
Two-Way	0:00	16	0	0	0	16	0.0%	82	2	0	0	84	2.4%	
	1:00	11	0	0	0	11	0.0%	40	2	0	0	42	4.8%	
	2:00	7	0	0	0	7	0.0%	34	2	0	0	36	5.6%	
	3:00	8	1	0	0	9	11.1%	38	6	0	0	44	13.6%	
	4:00	23	2	0	0	25	8.0%	88	9	1	0	98	10.2%	
	5:00	83	9	1	0	93	10.8%	328	35	4	0	367	10.6%	
	6:00	222	23	3	0	249	10.8%	962	99	14	0	1075	10.5%	
	7:00	316	33	5	0	354	10.7%	1395	131	24	0	1550	10.0%	
	8:00	461	30	6	0	497	7.2%	2011	127	23	0	2161	6.9%	
	9:00	294	30	4	0	328	10.4%	1329	117	19	0	1465	9.3%	
	10:00	263	29	4	0	296	11.1%	1180	117	23	0	1320	10.6%	
	11:00	274	32	3	0	309	11.3%	1187	118	19	0	1324	10.3%	
	12:00	274	29	3	0	306	10.5%	1202	111	17	0	1330	9.6%	
	13:00	266	30	3	0	299	11.0%	1190	113	18	0	1321	9.9%	
	14:00	437	35	3	0	475	8.0%	1844	139	19	0	2002	7.9%	
	15:00	409	24	1	0	434	5.8%	1823	98	10	0	1931	5.6%	
	16:00	452	15	0	0	468	3.2%	1952	79	4	0	2035	4.1%	
	17:00	293	11	1	0	305	3.9%	1343	47	4	0	1394	3.7%	
	18:00	206	6	0	0	212	2.8%	918	27	1	0	946	3.0%	
	19:00	141	4	0	0	145	2.8%	639	19	1	0	659	3.0%	
	20:00	117	3	0	0	120	2.5%	507	17	1	0	525	3.4%	
	21:00	84	2	0	0	86	2.3%	362	11	0	0	373	2.9%	
	22:00	49	2	0	0	51	3.9%	220	7	0	0	227	3.1%	
	23:00	379	41	0	0	5447	7.7%	22109	1547	224	0	23880	7.4%	
%All	92.3%	7.0%	0.8%	0.0%	92.6%	6.5%	0.9%	0.0%						
Day	4523	340	37	0	4900	7.7%	19955	1374	205	0	21534	7.3%		
%All	92.3%	6.9%	0.8%	0.0%	92.7%	6.4%	1.0%	0.0%						
Night	504	39	4	0	547	7.9%	2154	173	19	0	2346	8.2%		
%All	92.1%	7.1%	0.7%	0.0%	91.8%	7.4%	0.8%	0.0%						

Notes:

Time of Day:
 Daily = 24 Hours
 Day = 7am to 10pm
 Night = 10pm - 7am

Vehicles Types:

Light = Light Vehicles: RTA Class 1 - 2
 Rigid = Rigid Trucks: RTA Class 3 - 5 (excluding any coal trucks between WB or GNRE & PKCT)
 Artc = Articulated Trucks: RTA Class 6 - 13 (excluding any coal trucks between WB or GNRE & PKCT)
 CT = Coal Trucks between Westcliff/GNRE & PKCT
 WB = Westcliff Weighbridge
 GNRE = Gujarat MRE No. 1 Mine

PKCT EA - ROAD RECEIVALS REVIEW

Period: Average Weekend
 Year: 2009
 Operation: No CT
 Output: Ompa
 Scenario: 6

Direction	2009 Average Weekend													
	7. Bellambi Lane							8. Northern Distributor						
	Time	Light	Rdgt	Artc	CT	ALL	% H	Light	Rdgt	Artc	CT	ALL	% H	
Southbound (to PKCT)	0:00	21	1	0	0	22	4.5%	88	2	0	0	90	2.2%	
	1:00	12	1	0	0	13	7.7%	61	3	0	0	64	4.7%	
	2:00	7	1	0	0	8	12.5%	37	2	0	0	39	5.1%	
	3:00	6	0	0	0	6	0.0%	26	1	0	0	27	3.7%	
	4:00	8	0	0	0	8	0.0%	37	1	0	0	39	5.1%	
	5:00	17	1	0	0	19	10.5%	82	5	2	0	89	7.9%	
	6:00	31	2	0	0	33	6.1%	156	7	0	0	163	4.3%	
	7:00	32	3	0	0	35	5.5%	266	13	3	0	282	5.7%	
	8:00	91	5	0	0	96	5.2%	463	16	2	0	481	3.7%	
	9:00	135	6	1	0	142	4.9%	740	20	4	0	764	3.1%	
	10:00	155	5	0	0	160	3.1%	819	23	2	0	844	3.0%	
	11:00	179	6	1	0	186	3.8%	917	22	2	0	941	2.6%	
	12:00	175	6	1	0	182	3.8%	864	18	3	0	885	2.4%	
	13:00	143	3	1	0	147	2.7%	724	15	3	0	742	2.4%	
	14:00	144	4	0	0	148	2.7%	689	10	0	0	699	1.4%	
	15:00	126	3	0	0	129	2.3%	631	9	1	0	641	1.6%	
	16:00	133	3	0	0	136	2.2%	623	12	1	0	636	2.0%	
	17:00	132	2	0	0	135	1.6%	582	6	1	0	589	1.2%	
	18:00	102	1	0	0	103	1.0%	514	5	0	0	519	1.0%	
	19:00	70	1	0	0	71	1.4%	359	2	1	0	342	0.9%	
	20:00	54	1	0	0	55	1.8%	255	3	0	0	258	1.2%	
	21:00	42	1	0	0	43	2.3%	190	3	1	0	194	2.1%	
	22:00	40	1	0	0	41	2.4%	178	3	0	0	181	1.7%	
23:00	23	0	0	0	23	0.0%	98	2	0	0	100	2.0%		
Daily	1889	57	5	0	1951	3.2%	9379	203	27	0	9609	2.4%		
%All	96.8%	2.9%	0.3%	0.0%			97.6%	2.1%	0.3%	0.0%				
Day	1724	50	4	0	1778	3.0%	8616	177	24	0	8817	2.3%		
%All	97.0%	2.8%	0.2%	0.0%			97.7%	2.0%	0.3%	0.0%				
Night	165	7	1	0	173	4.6%	763	26	3	0	792	3.7%		
%All	95.4%	4.0%	0.6%	0.0%			96.3%	3.3%	0.4%	0.0%				
0:00	24	1	0	0	25	4.0%	123	4	0	0	127	3.1%		
1:00	14	0	0	0	14	0.0%	70	3	0	0	73	4.1%		
2:00	9	1	0	0	10	10.0%	50	3	0	0	53	5.7%		
3:00	6	0	0	0	6	0.0%	39	2	0	0	41	4.9%		
4:00	13	2	0	0	15	13.3%	48	7	0	0	55	12.7%		
5:00	20	1	1	0	22	9.1%	71	10	2	0	83	14.5%		
6:00	40	4	1	0	45	11.1%	125	21	2	0	148	15.5%		
7:00	64	6	1	0	71	9.9%	220	31	2	0	253	13.0%		
8:00	85	6	2	0	93	8.6%	274	38	7	0	319	14.1%		
9:00	126	7	1	0	134	6.0%	440	55	3	0	498	11.6%		
10:00	159	7	0	0	166	4.2%	580	54	3	0	637	8.9%		
11:00	184	8	0	0	192	4.2%	696	62	4	0	762	8.7%		
12:00	184	7	0	0	191	3.5%	782	60	2	0	845	7.5%		
13:00	191	7	0	0	198	3.5%	764	52	2	0	816	6.6%		
14:00	191	5	0	0	196	2.6%	764	51	1	0	816	6.4%		
15:00	193	5	0	0	198	2.5%	790	40	2	0	832	5.0%		
16:00	195	7	0	0	202	3.5%	773	51	1	0	825	6.3%		
17:00	167	5	0	0	172	2.9%	638	39	3	0	680	6.2%		
18:00	127	3	0	0	130	2.3%	489	29	1	0	519	5.8%		
19:00	85	2	0	0	87	2.3%	339	20	1	0	360	5.8%		
20:00	67	3	0	0	70	4.3%	274	16	1	0	291	5.8%		
21:00	64	1	0	0	65	1.5%	270	8	1	0	279	3.2%		
22:00	51	2	0	0	53	3.8%	219	12	0	0	231	5.2%		
23:00	32	1	0	0	33	3.0%	150	5	0	0	155	3.2%		
Daily	2301	91	6	0	2398	4.0%	8988	673	39	0	9700	7.3%		
%All	96.0%	3.8%	0.3%	0.0%			92.7%	6.9%	0.4%	0.0%				
Day	2092	79	4	0	2175	3.8%	8093	606	35	0	8734	7.3%		
%All	96.2%	3.6%	0.2%	0.0%			92.7%	6.9%	0.4%	0.0%				
Night	209	12	2	0	223	6.3%	895	67	4	0	966	7.3%		
%All	93.7%	5.4%	0.9%	0.0%			92.7%	6.9%	0.4%	0.0%				

PKCT EA - ROAD RECEIVALS REVIEW

Period: Average Weekend
 Year: 2009
 Operation: No CT
 Output: Omtpa
 Scenario: 6

Direction	2009 Average Weekend											
	7. Bellambi Lane				Omtpa @ No. CT				8. Northern Distributor			
Time	Light	Rigid	Artic	CT	ALL	% HV	Light	Rigid	Artic	CT	ALL	% HV
0:00	45	2	0	0	47	4.3%	211	6	0	0	217	2.8%
1:00	26	1	0	0	27	3.7%	131	6	0	0	137	4.4%
2:00	16	2	0	0	18	11.1%	87	5	0	0	92	5.4%
3:00	12	0	0	0	12	0.0%	65	3	0	0	68	4.4%
4:00	21	2	0	0	23	8.7%	85	8	1	0	94	9.6%
5:00	37	2	2	0	41	9.8%	153	15	4	0	172	11.0%
6:00	71	6	1	0	78	9.6%	281	28	2	0	311	9.6%
7:00	116	9	1	0	126	7.9%	466	44	5	0	535	9.2%
8:00	176	11	2	0	189	6.9%	737	54	9	0	800	7.9%
9:00	261	13	2	0	276	5.4%	1180	75	7	0	1262	6.5%
10:00	314	12	0	0	326	3.7%	1399	77	5	0	1481	5.5%
11:00	363	14	1	0	378	4.0%	1613	84	6	0	1703	5.3%
12:00	369	13	1	0	383	3.7%	1646	78	6	0	1730	4.9%
13:00	334	10	1	0	345	3.2%	1488	67	5	0	1560	4.6%
14:00	319	9	0	0	327	2.4%	1421	49	3	0	1473	3.5%
15:00	328	10	0	0	338	3.0%	1396	63	2	0	1461	4.4%
16:00	328	10	0	0	338	3.0%	1396	63	2	0	1461	4.4%
17:00	289	7	0	0	297	2.4%	1220	45	4	0	1269	3.9%
18:00	229	4	0	0	233	1.7%	1003	34	1	0	1038	3.4%
19:00	195	3	0	0	198	1.9%	878	22	2	0	902	3.4%
20:00	121	4	0	0	125	3.2%	529	19	1	0	549	3.6%
21:00	106	2	0	0	108	1.9%	460	11	2	0	473	2.7%
22:00	91	3	0	0	94	3.2%	397	15	0	0	412	3.6%
23:00	55	1	0	0	56	1.8%	248	7	0	0	255	2.7%
Daily	4190	148	11	0	4349	3.7%	18367	876	66	0	19309	4.9%
%All	96.3%	3.4%	0.3%	0.0%	95.1%	4.5%	0.3%	0.0%	0.0%			
Day	3816	129	8	0	3953	3.5%	16709	783	59	0	17551	4.8%
%All	96.5%	3.3%	0.2%	0.0%	95.2%	4.5%	0.3%	0.0%	0.0%			
Night	374	19	3	0	396	5.6%	1658	93	7	0	1758	5.7%
%All	94.4%	4.8%	0.8%	0.0%	94.3%	5.3%	0.4%	0.0%	0.0%			

Notes:

Time of Day:
 Daily = 10pm - 7am
 Day = 10pm - Midnight (of current day)
 Night = plus Midnight - 7am (of following day)

Vehicles Types:

Light = Light Vehicles: RTA Class 1 - 2
 Rigid = Rigid Trucks: RTA Class 3 - 5 (excluding any coal trucks between WB or GNRE & PKCT)
 Artic = Articulated Trucks: RTA Class 6 - 13 (excluding any coal trucks between WB or GNRE & PKCT)
 CT = Coal Trucks between Westcliff/GNRE & PKCT
 WB = Westcliff Weighbridge
 GNRE = Gujarat MRE No. 1 Mine

PKCT EA - ROAD RECEIVALS REVIEW

Average Weekday
 Period: 2018
 Year: No CT
 Operation: Omipa
 Output: Omipa
 Scenario: 19

Direction	Time	2018 Average Weekday																																															
		1. Appin Rd						2. Mount Ousley Rd						3. Southern Fwy N1H						4. Southern Fwy S1H						5. Meisters Road						6. Springhill Rd						7. Bellambi Lane						8. Northern Distributor					
		Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic	Light	Rigid	Artic												
%All	75.2%	9.8%	14.5%	0.0%	0.0%	0.0%	78.2%	6.1%	15.2%	0.0%	83.4%	6.1%	10.9%	0.0%	82.8%	6.0%	11.3%	0.0%	81.9%	6.0%	11.3%	0.0%	95.3%	11.9%	2.8%	0.0%	95.3%	11.9%	2.8%	0.0%	92.3%	7.1%	0.2%	0.0%	92.3%	7.1%	0.2%	0.0%	92.3%	7.1%	0.2%	0.0%							
%AI	1518	197	290	0	2005	24.3%	6242	487	1209	0	7958	21.3%	9374	682	1186	0	11242	16.6%	9417	678	1285	0	3197	22.6%	1354	27	40	0	1421	4.7%	549	42	4	0	595	7.7%	3072	244	26	0	3342	8.1%							
Night	89.9%	7.9%	3.3%	0.0%	0.0%	87.3%	5.6%	7.2%	0.0%	89.9%	6.0%	4.0%	0.0%	89.3%	6.0%	4.0%	0.0%	78.0%	6.2%	7.2%	0.0%	90.3%	5.4%	4.2%	0.0%	95.0%	11.9%	2.8%	0.0%	95.0%	11.9%	2.8%	0.0%	92.4%	6.4%	1.0%	0.0%	92.4%	6.4%	1.0%	0.0%	92.4%	6.4%	1.0%	0.0%				
Day	84.6%	8.2%	5.2%	0.0%	0.0%	86.0%	5.6%	8.4%	0.0%	89.1%	6.0%	4.8%	0.0%	86.9%	5.9%	5.1%	0.0%	78.0%	6.2%	7.2%	0.0%	89.6%	5.8%	5.0%	0.0%	95.1%	11.9%	2.8%	0.0%	95.1%	11.9%	2.8%	0.0%	92.6%	6.9%	0.9%	0.0%	92.6%	6.9%	0.9%	0.0%	92.6%	6.9%	0.9%	0.0%				
Daily	9970	945	600	0	11515	13.4%	45455	2981	4421	0	52857	14.0%	83074	5634	4483	0	93191	10.9%	87519	5383	4947	0	97649	10.6%	23169	1481	2003	0	26653	13.1%	14953	576	202	0	15731	4.9%	5680	412	41	0	5933	7.6%	31557	2203	321	0	34081	7.4%	

Notes:

- Times of Day:
 - Daily = 24 Hours
 - Day = 7am to 10pm
 - Night = 10pm - 7am
- Vehicles Types:
 - Light = Light Vehicles: RTA Class 1 - 2
 - Rigid = Rigid Trucks: RTA Class 3 - 5 (excluding any coal trucks between WB or GNRE & PKCT)
 - Artic = Articulated Trucks: RTA Class 6 - 13 (excluding any coal trucks between WB or GNRE & PKCT)
 - CT = Coal Trucks between Westcliff/GNRE & PKCT
 - WB = Westcliff Weighbridge
 - GNRE = Goulburn MRE No. 1 Mine

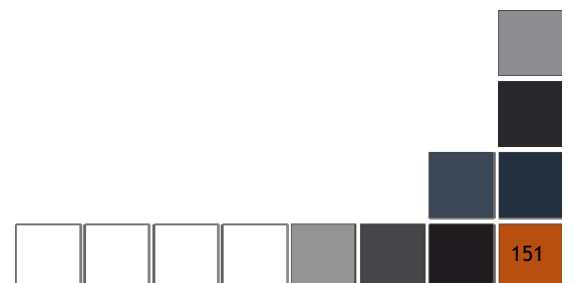


Appendix U

Coal Truck

Delivery Options from

West Cliff CPP



This page intentionally left blank

PKCT EA - ROAD RECEIVALS REVIEW

Coal Truck Delivery Options by Time of Day

Average Weekday (AWD)

Coal Truck deliveries Westcliff CPP to PKCT (one-way)*

Time	CT Option											CT Option Changes								
	A	B _x	B	C	D	E	F	G	H	I	J	[B]	[B to C]	[B to D]	[B to E]	[B to F]	[B to G]	[B to H]	[B to I]	[B to J]
	0mtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7
0:00	0	0	0	0	0	5	5	7	5	5	7	0	0	0	5	5	7	5	5	7
1:00	0	0	0	0	0	4	4	6	4	4	6	0	0	0	4	4	6	4	4	6
2:00	0	1	1	1	1	3	3	4	3	3	4	0	0	0	2	2	3	2	2	3
3:00	0	1	1	1	2	4	4	6	4	4	6	0	0	1	3	3	5	3	3	5
4:00	0	2	2	2	3	7	7	11	7	7	11	0	0	1	5	5	8	5	5	8
5:00	0	5	5	5	7	9	9	14	9	9	14	0	0	3	4	4	9	4	4	9
6:00	0	30	30	31	45	16	16	24	16	16	24	0	1	16	-14	-13	-5	-14	-13	-5
7:00	0	17	17	18	26	13	14	20	13	14	20	0	0	9	-4	-4	3	-4	-4	3
8:00	0	18	18	18	27	14	14	21	14	14	21	0	0	9	-4	-3	4	-4	-3	4
9:00	0	23	23	24	35	14	14	21	14	14	21	0	0	12	-9	-9	-2	-9	-9	-2
10:00	0	21	21	22	33	14	14	21	14	14	21	0	0	11	-7	-7	0	-7	-7	0
11:00	0	23	23	24	36	16	16	24	16	16	24	0	1	12	-7	-7	1	-7	-7	1
12:00	0	18	18	18	27	13	14	20	13	14	20	0	0	9	-4	-4	3	-4	-4	3
13:00	0	20	20	20	30	15	15	23	15	15	23	0	0	10	-5	-5	3	-5	-5	3
14:00	0	16	16	16	24	12	12	18	12	12	18	0	0	8	-4	-4	2	-4	-4	2
15:00	0	7	7	7	10	10	10	15	10	10	15	0	0	4	3	3	8	3	3	8
16:00	0	5	5	5	7	9	9	14	9	9	14	0	0	2	5	5	9	5	5	9
17:00	0	1	1	1	2	6	7	10	6	7	10	0	0	1	5	6	9	5	6	9
18:00	0	0	0	0	0	4	5	7	4	5	7	0	0	0	4	4	7	4	4	7
19:00	0	1	1	1	1	5	5	7	5	5	7	0	0	0	4	4	6	4	4	6
20:00	0	1	1	1	1	4	4	6	4	4	6	0	0	0	3	3	5	3	3	5
21:00	0	1	1	1	2	4	4	6	4	4	6	0	0	1	3	3	5	3	3	5
22:00	0	1	1	1	1	5	5	7	5	5	7	0	0	0	4	4	6	4	4	6
23:00	0	0	0	0	0	5	5	7	5	5	7	0	0	0	5	5	7	5	5	7
Total	0	211	211	215	321	211	215	321	211	215	321	0	5	110	0	5	110	0	5	110

* Coal Truck deliveries represent one round trip delivery to PKCT and return to the mine. In two-way traffic volume terms the values are doubled.

PKCT EA - ROAD RECEIVALS REVIEW

Coal Truck Delivery Options by Time of Day

Average Weekend (AWE)

Coal Truck deliveries Westcliff CPP to PKCT (one-way)*

Time	CT Option											CT Option Changes								
	A	B _x	B	C	D	E	F	G	H	I	J	[B]	[B to C]	[B to D]	[B to E]	[B to F]	[B to G]	[B to H]	[B to I]	[B to J]
	0mtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7
0:00	0	0	0	0	0	4	4	6	4	4	6	0	0	0	4	4	6	4	4	6
1:00	0	0	0	0	0	3	3	4	3	3	4	0	0	0	3	3	4	3	3	4
2:00	0	1	1	1	1	1	1	2	1	1	2	0	0	0	1	1	1	1	1	1
3:00	0	1	1	1	1	3	3	4	3	3	4	0	0	0	2	2	3	2	2	3
4:00	0	2	2	2	2	5	5	7	5	5	7	0	0	1	3	3	5	3	3	5
5:00	0	4	4	4	6	7	8	11	7	8	11	0	0	2	4	4	8	4	4	8
6:00	0	22	22	23	34	16	16	24	16	16	24	0	0	12	-6	-6	2	-6	-6	2
7:00	0	18	18	19	28	12	12	18	12	12	18	0	0	10	-6	-6	0	-6	-6	0
8:00	0	19	19	19	28	15	16	23	15	16	23	0	0	10	-3	-3	5	-3	-3	5
9:00	0	25	25	25	38	14	14	21	14	14	21	0	1	13	-11	-11	-4	-11	-11	-4
10:00	0	23	23	23	35	16	17	25	16	17	25	0	0	12	-6	-6	2	-6	-6	2
11:00	0	25	25	25	38	15	15	23	15	15	23	0	1	13	-10	-10	-2	-10	-10	-2
12:00	0	19	19	19	28	16	16	24	16	16	24	0	0	10	-3	-3	5	-3	-3	5
13:00	0	21	21	22	32	17	17	25	17	17	25	0	0	11	-5	-4	4	-5	-4	4
14:00	0	17	17	17	25	13	13	20	13	13	20	0	0	9	-4	-3	3	-4	-3	3
15:00	0	7	7	7	11	13	14	20	13	14	20	0	0	4	6	6	13	6	6	13
16:00	0	5	5	5	7	11	11	17	11	11	17	0	0	3	6	7	12	6	7	12
17:00	0	1	1	1	2	5	5	8	5	5	8	0	0	1	4	4	7	4	4	7
18:00	0	0	0	0	0	3	3	4	3	3	4	0	0	0	3	3	4	3	3	4
19:00	0	1	1	1	1	4	4	6	4	4	6	0	0	0	3	3	5	3	3	5
20:00	0	1	1	1	1	3	3	4	3	3	4	0	0	0	2	2	4	2	2	4
21:00	0	1	1	1	1	4	5	7	4	5	7	0	0	0	4	4	6	4	4	6
22:00	0	0	0	0	1	4	4	7	4	4	7	0	0	0	4	4	6	4	4	6
23:00	0	0	0	0	0	6	6	9	6	6	9	0	0	0	6	6	9	6	6	9
Total	0	211	211	215	321	211	215	321	211	215	321	0	5	110	0	5	110	0	5	110

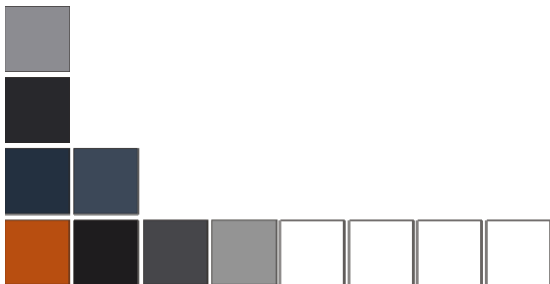
* Coal Truck deliveries represent one round trip delivery to PKCT and return to the mine. In two-way traffic volume terms the values are doubled.

Appendix V

Coal Truck

Delivery Options from

GNRE No. 1 Mine



This page intentionally left blank

PKCT EA - ROAD RECEIVALS REVIEW

Coal Truck Delivery Options by Time of Day

Average Weekday (AWD)

Coal Truck deliveries GNRE No. 1 Mine to PKCT (one-way)*

Time	CT Option											CT Option Changes								
	A	B _x	B	C	D	E	F	G	H	I	J	[B]	[B to C]	[B to D]	[B to E]	[B to F]	[B to G]	[B to H]	[B to I]	[B to J]
	0mtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7
0:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
1:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
2:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
3:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
4:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
5:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
6:00	0	11	8	9	40	0	0	0	4	5	22	0	2	32	-8	-8	-8	-3	-2	15
7:00	0	10	7	8	34	6	7	32	4	4	19	0	1	28	0	1	26	-3	-2	13
8:00	0	10	7	8	36	5	6	28	4	5	20	0	1	29	-2	0	21	-3	-2	13
9:00	0	10	6	8	34	5	7	29	4	4	19	0	1	27	-1	0	22	-3	-2	12
10:00	0	9	6	7	32	5	6	27	3	4	18	0	1	26	-1	0	21	-3	-2	12
11:00	0	9	6	7	31	5	6	26	3	4	17	0	1	25	-1	0	20	-3	-2	11
12:00	0	8	6	7	30	5	6	25	3	4	17	0	1	24	-1	0	19	-2	-2	11
13:00	0	9	6	7	32	5	5	24	3	4	18	0	1	26	-2	-1	18	-3	-2	12
14:00	0	10	6	8	34	5	6	26	4	4	19	0	1	27	-1	0	20	-3	-2	12
15:00	0	8	6	7	29	5	6	27	3	4	16	0	1	24	0	1	22	-2	-2	11
16:00	0	6	4	5	20	4	5	23	2	3	11	0	1	16	1	2	20	-2	-1	7
17:00	0	0	0	0	0	3	4	16	2	2	8	0	0	0	3	4	16	2	2	8
18:00	0	0	0	0	0	2	3	12	2	2	8	0	0	0	2	3	12	2	2	8
19:00	0	0	0	0	0	2	3	12	2	2	8	0	0	0	2	3	12	2	2	8
20:00	0	0	0	0	0	2	3	12	2	2	8	0	0	0	2	3	12	2	2	8
21:00	0	0	0	0	0	2	3	12	2	2	8	0	0	0	2	3	12	2	2	8
22:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
23:00	0	0	0	0	0	0	0	0	2	2	8	0	0	0	0	0	0	2	2	8
Total	0	100	67	80	352	63	76	333	57	69	301	0	14	285	-3	9	266	-10	2	235

* Coal Truck deliveries represent one round trip delivery to PKCT and return to the mine. In two-way traffic volume terms the values are doubled.

PKCT EA - ROAD RECEIVALS REVIEW

Coal Truck Delivery Options by Time of Day

Average Weekend (AWE)

Coal Truck deliveries GNRE No. 1 Mine to PKCT (one-way)*

Time	CT Option											CT Option Changes								
	A	B _x	B	C	D	E	F	G	H	I	J	[B]	[B to C]	[B to D]	[B to E]	[B to F]	[B to G]	[B to H]	[B to I]	[B to J]
	0mtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7	4mtpa @ 11/6	5mtpa @ 11/6	10mtpa @ 11/6	4mtpa @ 24/7&15/5-10/2	5mtpa @ 24/7&15/5-10/2	10mtpa @ 24/7&15/5-10/2	4mtpa @ 24/7	5mtpa @ 24/7	10mtpa @ 24/7
0:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
1:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
2:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
3:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
4:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
5:00	0	3	2	2	11	0	0	0	1	1	6	0	0	9	-2	-2	-2	-1	-1	4
6:00	0	14	9	11	48	0	0	0	6	7	29	0	2	39	-9	-9	-9	-4	-3	20
7:00	0	15	10	12	54	0	0	0	6	7	32	0	2	43	-10	-10	-10	-4	-3	22
8:00	0	13	9	11	46	6	7	32	5	6	28	0	2	38	-3	-2	23	-4	-2	19
9:00	0	11	8	9	40	7	8	35	5	5	24	0	2	32	-1	0	27	-3	-2	16
10:00	0	9	6	7	31	6	7	30	3	4	18	0	1	25	0	1	24	-2	-2	13
11:00	0	8	5	6	28	5	6	26	3	4	17	0	1	23	0	1	21	-2	-1	12
12:00	0	9	6	7	31	4	5	20	3	4	18	0	1	25	-2	-1	14	-2	-2	13
13:00	0	9	6	7	33	4	4	19	4	4	20	0	1	26	-3	-2	12	-2	-2	13
14:00	0	7	5	6	24	4	5	20	3	3	15	0	1	20	-1	0	15	-2	-1	10
15:00	0	2	1	1	6	4	5	21	1	1	4	0	0	5	3	4	20	0	0	3
16:00	0	0	0	0	0	3	4	16	1	2	7	0	0	0	3	4	16	1	2	7
17:00	0	0	0	0	0	1	1	4	1	2	7	0	0	0	1	1	4	1	2	7
18:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
19:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
20:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
21:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
22:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
23:00	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	1	2	7
Total	0	100	67	80	352	42	51	222	57	69	301	0	14	285	-25	-16	155	-10	2	235

* Coal Truck deliveries represent one round trip delivery to PKCT and return to the mine. In two-way traffic volume terms the values are doubled.

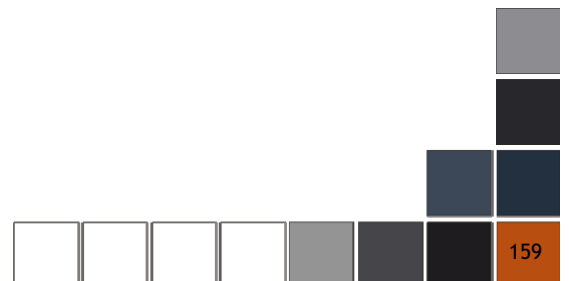


Appendix W

Traffic Volume

Scenarios

2008



This page intentionally left blank

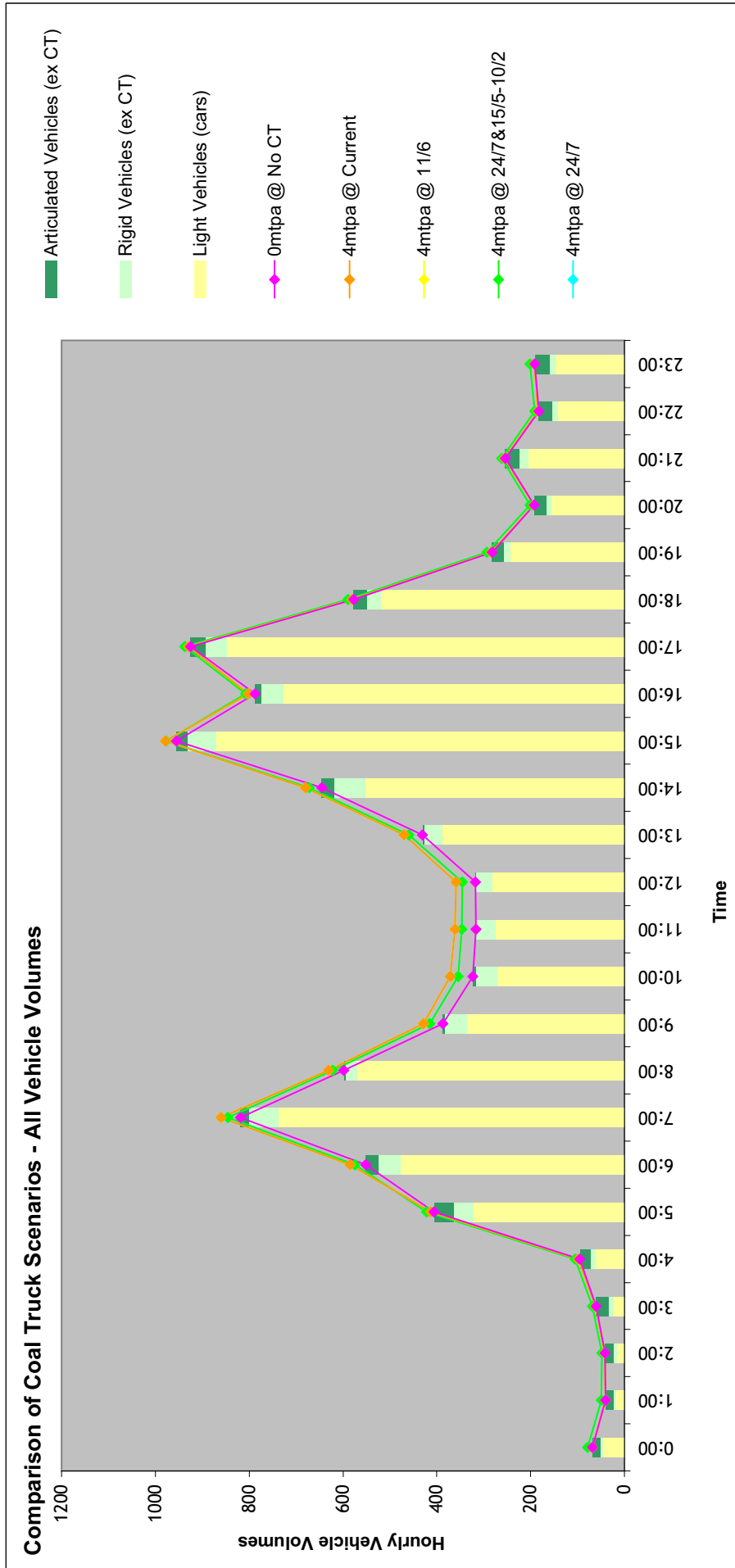
		2008 Average Weekday																						
		1. Appin Road, North of Princes Highway																						
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks										
		Coal Trucks Only				Coal Trucks				Coal Trucks				Coal Trucks										
		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
	0:00	28	3	7	38	38	38	43	43	10	10	10	15	15	26.3%	26.3%	26.3%	34.9%	34.9%	0	0	0	5	5
	1:00	11	3	9	23	23	23	27	27	12	12	12	16	16	52.2%	52.2%	52.2%	59.3%	59.3%	0	0	0	4	4
	2:00	7	3	9	19	20	20	22	22	12	13	13	15	15	63.2%	65.0%	65.0%	68.2%	68.2%	0	1	1	3	3
	3:00	10	4	8	22	23	23	26	26	12	13	13	16	16	54.5%	56.5%	56.5%	61.5%	61.5%	0	1	1	4	4
	4:00	18	5	11	34	36	36	41	41	16	18	18	23	23	47.1%	50.0%	50.0%	56.1%	56.1%	0	2	2	7	7
	5:00	38	14	26	78	83	83	87	87	40	45	45	49	49	51.3%	54.2%	54.2%	56.3%	56.3%	0	5	5	9	9
	6:00	151	22	8	181	211	211	197	197	30	60	60	46	46	16.6%	18.4%	18.4%	23.4%	23.4%	0	30	30	16	16
	7:00	221	24	1	246	263	263	259	259	25	42	42	38	38	10.2%	16.0%	16.0%	14.7%	14.7%	0	17	17	13	13
	8:00	259	23	3	285	303	303	299	299	26	44	44	40	40	9.1%	14.5%	14.5%	13.4%	13.4%	0	18	18	14	14
	9:00	164	26	5	195	218	218	209	209	31	54	54	45	45	15.9%	24.8%	24.8%	21.5%	21.5%	0	23	23	14	14
	10:00	144	23	4	171	192	192	185	185	27	48	48	41	41	15.8%	25.0%	25.0%	22.2%	22.2%	0	21	21	14	14
	11:00	131	20	1	152	175	175	168	168	21	44	44	37	37	13.8%	25.1%	25.1%	22.0%	22.0%	0	23	23	16	16
	12:00	129	14	0	143	161	161	156	156	14	32	32	27	27	9.8%	19.9%	19.9%	17.3%	17.3%	0	18	18	13	13
	13:00	155	26	4	185	205	205	200	200	30	50	50	45	45	16.2%	24.4%	24.4%	22.5%	22.5%	0	20	20	15	15
	14:00	327	45	26	398	414	414	410	410	71	87	87	83	83	17.8%	21.0%	21.0%	20.2%	20.2%	0	16	16	12	12
	15:00	624	33	20	677	684	684	687	687	53	60	60	63	63	7.8%	8.8%	8.8%	9.2%	9.2%	0	7	7	10	10
	16:00	467	19	7	493	498	498	502	502	26	31	31	35	35	5.3%	6.2%	6.2%	7.0%	7.0%	0	5	5	9	9
	17:00	605	27	30	662	663	663	668	668	57	58	58	63	63	8.6%	8.7%	8.7%	9.4%	9.4%	0	1	1	6	6
	18:00	378	22	25	425	425	425	429	429	47	47	47	51	51	11.1%	11.1%	11.1%	11.9%	11.9%	0	0	0	4	4
	19:00	173	10	16	199	200	200	204	204	26	27	27	31	31	13.1%	13.5%	13.5%	15.2%	15.2%	0	1	1	5	5
	20:00	90	5	12	107	108	108	111	111	17	18	18	21	21	15.9%	16.7%	16.7%	18.9%	18.9%	0	1	1	4	4
	21:00	87	10	20	117	118	118	121	121	30	31	31	34	34	25.6%	26.3%	26.3%	28.1%	28.1%	0	1	1	4	4
	22:00	89	8	22	119	120	120	124	124	30	31	31	35	35	25.2%	25.8%	25.8%	28.2%	28.2%	0	1	1	5	5
	23:00	119	8	23	150	150	150	155	155	31	31	31	36	36	20.7%	20.7%	20.7%	23.2%	23.2%	0	0	0	5	5
	Daily	4425	397	297	5119	5331	5331	5330	5330	694	906	906	905	905	13.6%	17.0%	17.0%	17.0%	17.0%	0	212	212	211	211
	% CT of HV														0.0%	23.4%	23.4%	23.3%	23.3%					
	Day (6am-10pm)	3954	327	174	4455	4627	4627	4608	4608	501	673	673	654	654	11.2%	14.5%	14.5%	14.2%	14.2%	0	172	172	153	153
	% CT of HV														0.0%	25.6%	25.6%	23.4%	23.4%					
	Night (10pm-7am)	471	70	123	664	704	704	722	722	193	233	233	251	251	29.1%	33.1%	33.1%	34.8%	34.8%	0	40	40	58	58
	% CT of HV														0.0%	17.2%	17.2%	23.1%	23.1%					

		2008 Average Weekday																									
		1. Appin Road, North of Princes Highway																									
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only					
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
							Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	
Northbound (from PKT)	0:00	18	2	10	30	30	30	30	35	35	12	12	12	17	17	40.0%	40.0%	40.0%	48.6%	48.6%	0	0	0	0	5	5	
	1:00	7	3	7	17	17	17	17	22	22	10	10	10	15	15	58.8%	58.8%	58.8%	68.2%	68.2%	0	0	0	0	5	5	
	2:00	9	4	9	22	22	22	22	26	26	13	13	13	17	17	59.1%	59.1%	59.1%	65.4%	65.4%	0	0	0	0	4	4	
	3:00	13	6	19	38	39	39	42	42	25	26	26	29	29	65.8%	66.7%	66.7%	69.0%	69.0%	0	1	1	1	4	4	4	
	4:00	44	6	11	61	62	62	64	64	44	46	46	51	51	27.9%	29.0%	29.0%	31.3%	31.3%	0	1	1	1	3	3	3	
	5:00	284	29	15	328	330	330	335	335	335	44	46	46	51	51	13.4%	13.9%	13.9%	15.2%	15.2%	0	2	2	2	7	7	7
	6:00	327	25	18	370	374	374	378	378	43	47	47	51	51	11.6%	12.6%	12.6%	13.5%	13.5%	0	4	4	4	8	8	8	
	7:00	516	39	18	573	597	597	587	587	57	81	81	81	71	71	9.9%	13.6%	13.6%	12.1%	12.1%	0	24	24	24	14	14	14
	8:00	310	3	0	313	328	328	323	323	3	18	18	18	13	13	1.0%	5.5%	5.5%	4.0%	4.0%	0	15	15	15	10	10	10
	9:00	172	20	0	192	210	210	206	206	20	38	38	38	34	34	10.4%	18.1%	18.1%	16.5%	16.5%	0	18	18	18	14	14	14
	10:00	128	22	2	152	179	179	170	170	24	51	51	51	42	42	15.8%	28.5%	28.5%	24.7%	24.7%	0	27	27	27	18	18	18
	11:00	144	21	0	165	186	186	179	179	21	42	42	42	35	35	12.7%	22.6%	22.6%	19.6%	19.6%	0	21	21	21	14	14	14
	12:00	154	19	2	175	198	198	190	190	21	44	44	44	36	36	12.0%	22.2%	22.2%	18.9%	18.9%	0	23	23	23	15	15	15
	13:00	233	13	0	246	265	265	260	260	13	32	32	32	27	27	5.3%	12.1%	12.1%	10.4%	10.4%	0	19	19	19	14	14	14
	14:00	227	20	0	247	266	266	262	262	20	39	39	39	35	35	8.1%	14.7%	14.7%	13.4%	13.4%	0	19	19	19	15	15	15
	15:00	247	28	3	278	295	295	290	290	31	48	48	48	43	43	11.2%	16.3%	16.3%	14.8%	14.8%	0	17	17	17	12	12	12
	16:00	261	27	6	294	304	304	305	305	33	43	43	43	44	44	11.2%	14.1%	14.1%	14.4%	14.4%	0	10	10	10	11	11	11
	17:00	243	18	2	263	266	266	269	269	20	23	23	23	26	26	7.6%	8.6%	8.6%	9.7%	9.7%	0	3	3	3	6	6	6
	18:00	142	7	3	152	155	155	160	160	10	13	13	13	18	18	6.6%	8.4%	8.4%	11.3%	11.3%	0	3	3	3	8	8	8
	19:00	70	4	9	83	84	84	84	84	89	13	14	14	19	19	15.7%	16.7%	16.7%	21.3%	21.3%	0	1	1	1	6	6	6
	20:00	67	6	12	85	86	86	90	90	90	18	19	19	23	23	21.2%	22.1%	22.1%	25.6%	25.6%	0	1	1	1	5	5	5
	21:00	119	8	10	137	138	138	141	141	141	18	19	19	22	22	13.1%	13.8%	13.8%	15.6%	15.6%	0	1	1	1	4	4	4
	22:00	53	4	6	63	64	64	67	67	67	10	11	11	14	14	15.9%	17.2%	17.2%	20.9%	20.9%	0	1	1	1	4	4	4
23:00	28	5	8	41	42	42	46	46	46	13	14	14	18	18	31.7%	33.3%	33.3%	39.1%	39.1%	0	1	1	1	5	5	5	
Daily	3816	339	170	4325	4537	4537	4536	4536	509	721	721	721	720	720	11.8%	15.9%	15.9%	15.9%	15.9%	0	212	212	212	211	211	211	
% CT of HV																0.0%	29.4%	29.4%	29.3%	29.3%							
Day (6am-10pm)	3033	255	67	3355	3557	3557	3521	3521	322	524	524	488	488	488	9.6%	14.7%	14.7%	13.9%	13.9%	0	202	202	202	166	166	166	
% CT of HV																0.0%	38.5%	38.5%	34.0%	34.0%							
Night (10pm-7am)	783	84	103	970	980	980	1015	1015	187	197	197	232	232	232	19.3%	20.1%	20.1%	22.9%	22.9%	0	10	10	10	45	45	45	
% CT of HV																0.0%	5.1%	5.1%	19.4%	19.4%							

		2008 Average Weekday																												
		1. Appin Road, North of Princes Highway																												
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only								
		Light Vehicles (cars)			Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H		
	0:00	46	5	17	68	68	68	68	78	78	4mtpa @ 24/7	4mtpa @ 24/7	4mtpa @ 24/7	4mtpa @ 24/7	32	32	32	32	32.4%	32.4%	32.4%	41.0%	41.0%	0	0	0	10	10	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
	1:00	18	6	16	40	40	40	40	49	49	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	4mtpa @ 24/7	31	31	31	31	55.0%	55.0%	55.0%	63.3%	63.3%	0	0	0	9	9	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
	2:00	16	7	18	41	42	42	42	48	48	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	4mtpa @ 24/7	32	32	32	32	61.0%	61.0%	61.0%	66.7%	66.7%	0	1	1	7	7	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
	3:00	23	10	27	60	62	62	68	68	68	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	39	39	39	45	61.7%	61.7%	62.9%	66.2%	66.2%	0	2	2	8	8	4mtpa @ Current	4mtpa @ 24/7
	4:00	62	11	22	95	98	98	105	105	105	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	36	36	43	43	34.7%	36.7%	36.7%	41.0%	41.0%	0	3	3	10	10	4mtpa @ Current	4mtpa @ 24/7
	5:00	322	43	41	406	413	413	422	422	422	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	91	100	100	100	20.7%	20.7%	22.0%	23.7%	23.7%	0	7	7	16	16	4mtpa @ Current	4mtpa @ 24/7
	6:00	478	47	26	551	585	585	575	575	575	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	107	107	107	107	13.2%	13.2%	18.3%	16.9%	16.9%	0	34	34	24	24	4mtpa @ Current	4mtpa @ 24/7
	7:00	737	63	19	819	860	860	846	846	846	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	123	123	123	123	10.0%	10.0%	14.3%	12.9%	12.9%	0	41	41	27	27	4mtpa @ Current	4mtpa @ 24/7
	8:00	569	26	3	598	631	631	622	622	622	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	62	62	62	62	4.8%	9.8%	9.8%	8.5%	8.5%	0	33	33	24	24	4mtpa @ Current	4mtpa @ 24/7
	9:00	336	46	5	387	428	428	415	415	415	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	92	92	92	92	13.2%	21.5%	21.5%	19.0%	19.0%	0	41	41	28	28	4mtpa @ Current	4mtpa @ 24/7
	10:00	272	45	6	323	371	371	355	355	355	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	99	99	99	99	15.8%	26.7%	26.7%	23.4%	23.4%	0	48	48	32	32	4mtpa @ Current	4mtpa @ 24/7
	11:00	275	41	1	317	361	361	347	347	347	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	86	86	86	86	13.2%	23.8%	23.8%	20.7%	20.7%	0	44	44	30	30	4mtpa @ Current	4mtpa @ 24/7
	12:00	283	33	2	318	359	359	346	346	346	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	76	76	76	76	11.0%	21.2%	21.2%	18.2%	18.2%	0	41	41	28	28	4mtpa @ Current	4mtpa @ 24/7
	13:00	388	39	4	431	470	470	460	460	460	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	82	82	82	82	10.0%	17.4%	17.4%	15.7%	15.7%	0	39	39	29	29	4mtpa @ Current	4mtpa @ 24/7
	14:00	554	65	26	645	680	680	672	672	672	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	126	126	118	118	14.1%	18.5%	18.5%	17.6%	17.6%	0	35	35	27	27	4mtpa @ Current	4mtpa @ 24/7
	15:00	871	61	23	955	979	979	977	977	977	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	108	108	106	106	8.8%	11.0%	11.0%	10.8%	10.8%	0	24	24	22	22	4mtpa @ Current	4mtpa @ 24/7
	16:00	728	46	13	787	802	802	807	807	807	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	74	74	79	79	7.5%	9.2%	9.2%	9.8%	9.8%	0	15	15	20	20	4mtpa @ Current	4mtpa @ 24/7
	17:00	848	45	32	925	929	929	937	937	937	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	81	81	89	89	8.3%	8.7%	8.7%	9.5%	9.5%	0	4	4	12	12	4mtpa @ Current	4mtpa @ 24/7
	18:00	520	29	28	577	580	580	589	589	589	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	60	60	69	69	9.9%	10.3%	10.3%	11.7%	11.7%	0	3	3	12	12	4mtpa @ Current	4mtpa @ 24/7
	19:00	243	14	25	282	284	284	293	293	293	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	41	41	50	50	13.8%	14.4%	14.4%	17.1%	17.1%	0	2	2	11	11	4mtpa @ Current	4mtpa @ 24/7
	20:00	157	11	24	192	194	194	201	201	201	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	37	37	44	44	18.2%	19.1%	19.1%	21.9%	21.9%	0	2	2	9	9	4mtpa @ Current	4mtpa @ 24/7
	21:00	206	18	30	254	256	256	262	262	262	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	50	50	56	56	18.9%	19.5%	19.5%	21.4%	21.4%	0	2	2	8	8	4mtpa @ Current	4mtpa @ 24/7
	22:00	142	12	28	182	184	184	191	191	191	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	42	42	49	49	22.0%	22.8%	22.8%	25.7%	25.7%	0	2	2	9	9	4mtpa @ Current	4mtpa @ 24/7
	23:00	147	13	31	191	192	192	201	201	201	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	4mtpa @ 24/7	45	45	54	54	23.0%	23.4%	23.4%	26.9%	26.9%	0	1	1	10	10	4mtpa @ Current	4mtpa @ 24/7
	Daily	8241	736	467	9444	9868	9868	9866	9866	1203	1627	1627	1625	1625	1625	1625	1625	1625	12.7%	16.5%	16.5%	16.5%	16.5%	0	424	424	422	422	4mtpa @ Current	4mtpa @ 24/7
	% CT of HV																		0.0%	26.1%	26.1%	26.0%	26.0%							
	Day (6am-10pm)	6987	582	241	7810	8184	8184	8129	8129	823	1197	1197	1142	1142	1142	1142	1142	1142	10.5%	14.6%	14.6%	14.0%	14.0%	0	374	374	319	319	4mtpa @ Current	4mtpa @ 24/7
	% CT of HV																		0.0%	31.2%	31.2%	27.9%	27.9%							
	Night (10pm-7am)	1254	154	226	1634	1684	1684	1737	1737	380	430	430	483	483	483	483	483	483	23.3%	25.5%	25.5%	27.8%	27.8%	0	50	50	103	103	4mtpa @ Current	4mtpa @ 24/7
	% CT of HV																		0.0%	11.6%	11.6%	21.3%	21.3%							

2008 Average Weekday

1. Appin Road, North of Princes Highway



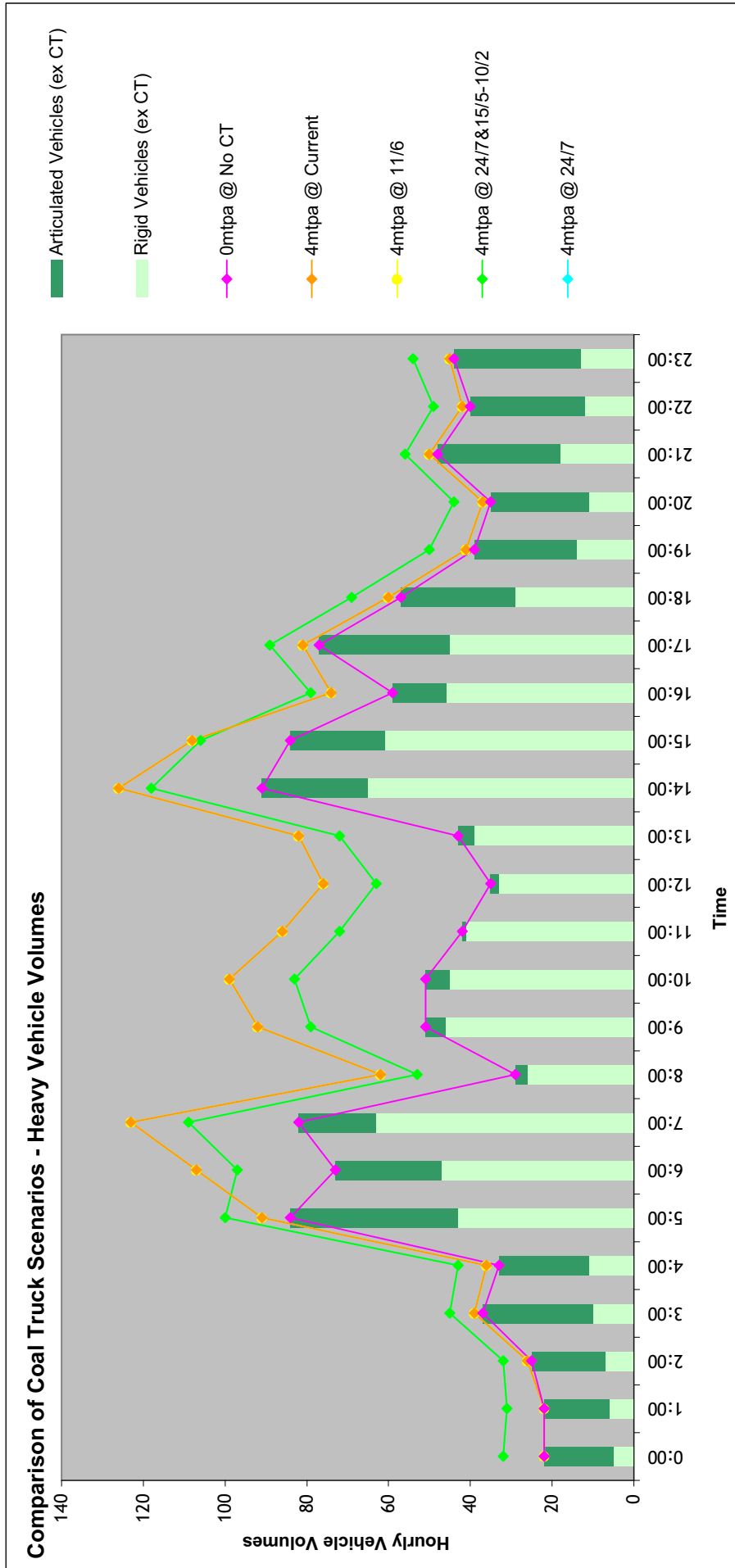
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

1. Appin Road, North of Princes Highway

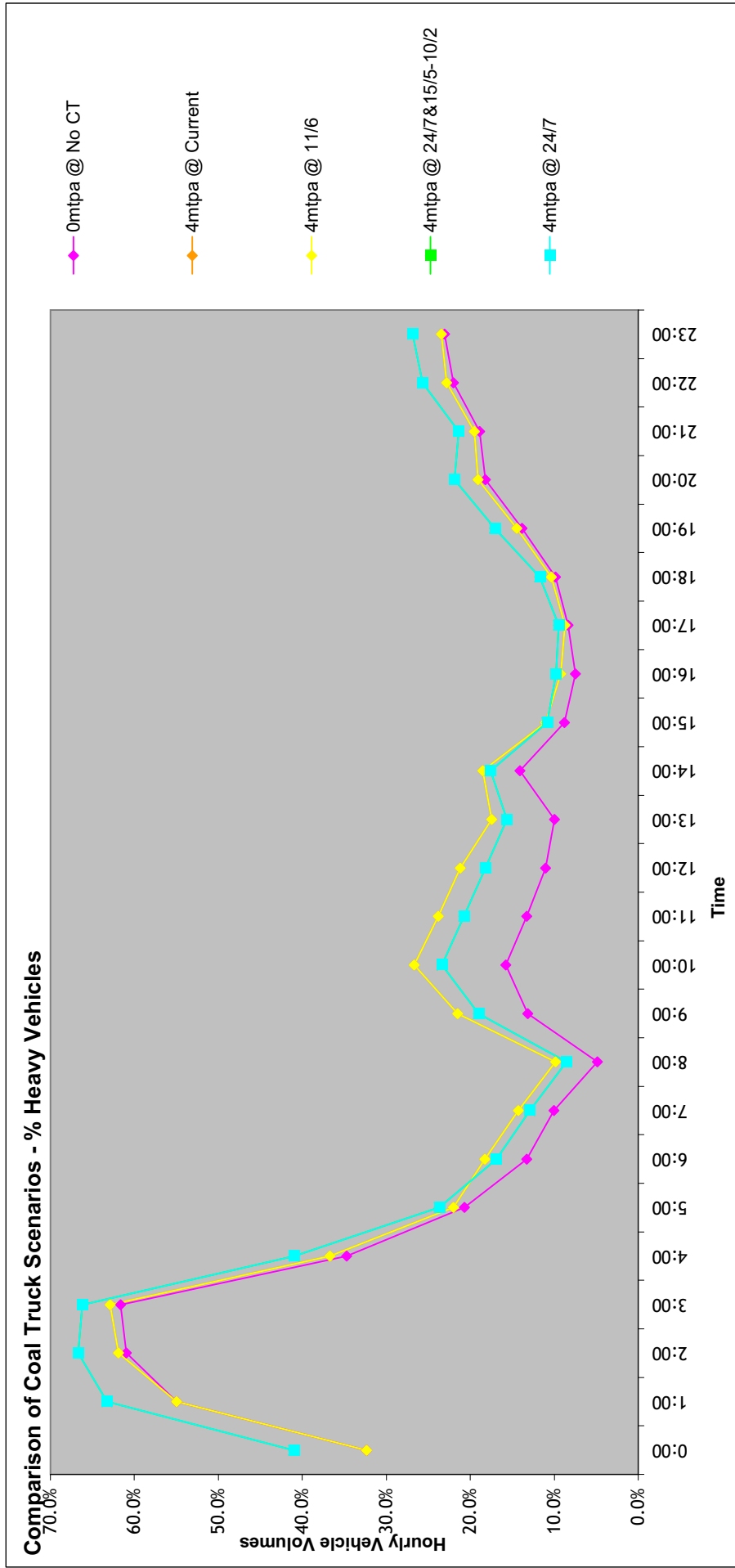


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e., rigid+artic+CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

1. Appin Road, North of Princes Highway



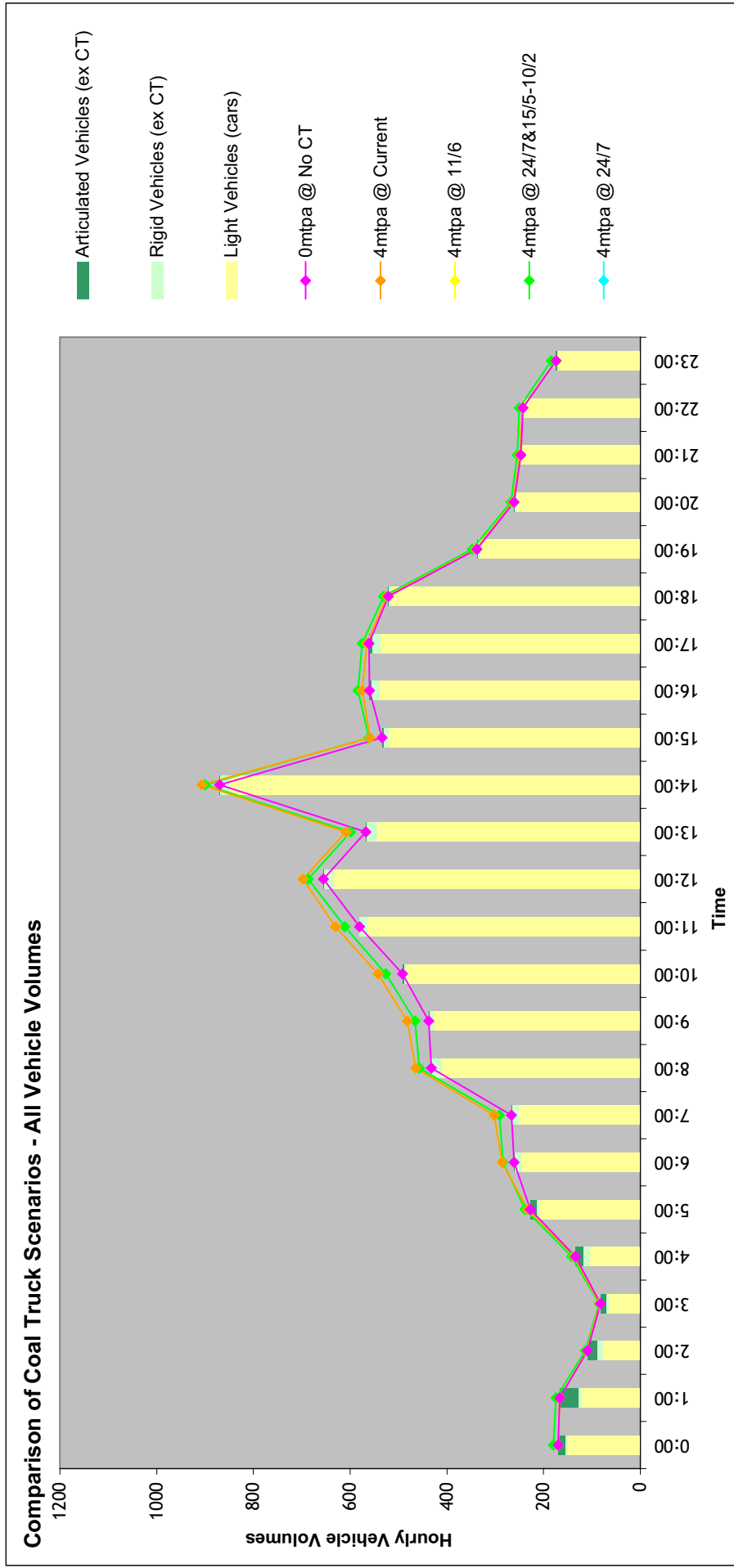
Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

		2008 Average Weekend 1. Appin Road, North of Princes Highway																									
		Total Heavy Vehicles Including Coal Trucks							% Heavy Vehicles Including Coal Trucks							Coal Trucks Only											
Direction	Time	Base Volumes			Total Vehicles Including Coal Trucks				Trucks				Heavy Vehicles Including Coal Trucks				Coal Trucks Only										
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
Northbound (from PKCT)	0:00	47	4	4	55	55	55	61	61	8	8	14	14	14	14.5%	14.5%	14.5%	23.0%	23.0%	0	0	0	0	6	6	6	
	1:00	33	3	4	40	40	40	44	44	7	7	7	11	11	17.5%	17.5%	17.5%	25.0%	25.0%	0	0	0	0	4	4	4	
	2:00	22	2	2	26	26	26	30	30	4	4	8	8	8	15.4%	15.4%	15.4%	26.7%	26.7%	0	0	0	0	4	4	4	
	3:00	19	4	5	28	29	29	29	29	9	10	10	10	10	32.1%	34.5%	34.5%	34.5%	34.5%	0	1	1	1	1	1	1	1
	4:00	28	6	1	35	36	36	38	38	7	8	8	10	10	20.0%	22.2%	22.2%	26.3%	26.3%	0	1	1	1	3	3	3	3
	5:00	128	4	4	136	138	138	140	140	8	10	10	12	12	5.9%	7.2%	7.2%	8.6%	8.6%	0	2	2	2	4	4	4	4
	6:00	82	6	1	89	92	92	96	96	7	10	10	14	14	7.9%	10.9%	10.9%	14.6%	14.6%	0	3	3	3	7	7	7	7
	7:00	130	7	1	138	156	156	151	151	8	26	26	21	21	5.8%	16.7%	16.7%	13.9%	13.9%	0	18	18	13	13	13	13	13
	8:00	190	11	0	201	215	215	211	211	11	25	25	21	21	5.5%	11.6%	11.6%	10.0%	10.0%	0	14	14	10	10	10	10	10
	9:00	218	7	0	225	244	244	239	239	7	26	26	21	21	3.1%	10.7%	10.7%	8.8%	8.8%	0	19	19	14	14	14	14	14
	10:00	263	5	1	269	297	297	287	287	6	34	34	24	24	2.2%	11.4%	11.4%	8.4%	8.4%	0	28	28	18	18	18	18	18
	11:00	255	10	0	265	289	289	280	280	10	34	34	25	25	3.8%	11.8%	11.8%	8.9%	8.9%	0	24	24	15	15	15	15	15
	12:00	259	8	0	267	291	291	283	283	8	32	32	24	24	3.0%	11.0%	11.0%	8.5%	8.5%	0	24	24	16	16	16	16	16
	13:00	292	11	1	304	325	325	319	319	12	33	33	27	27	3.9%	10.2%	10.2%	8.5%	8.5%	0	21	21	15	15	15	15	15
	14:00	358	10	1	369	389	389	386	386	11	31	31	28	28	3.0%	8.0%	8.0%	7.3%	7.3%	0	20	20	17	17	17	17	17
	15:00	371	5	0	376	394	394	390	390	5	23	23	19	19	1.3%	5.8%	5.8%	4.9%	4.9%	0	18	18	14	14	14	14	14
	16:00	404	12	4	420	430	430	433	433	16	26	26	29	29	3.8%	6.0%	6.0%	6.7%	6.7%	0	10	10	13	13	13	13	13
	17:00	391	14	7	412	415	415	421	421	21	24	24	30	30	5.1%	5.8%	5.8%	7.1%	7.1%	0	3	3	9	9	9	9	9
	18:00	230	5	1	236	239	239	243	243	6	9	9	13	13	2.5%	3.8%	3.8%	5.3%	5.3%	0	3	3	7	7	7	7	7
	19:00	97	2	1	100	101	101	106	106	3	4	4	9	9	3.0%	4.0%	4.0%	8.5%	8.5%	0	1	1	6	6	6	6	6
	20:00	77	2	0	79	80	80	82	82	2	3	3	5	5	2.5%	3.8%	3.8%	6.1%	6.1%	0	1	1	3	3	3	3	3
	21:00	92	1	0	93	94	94	97	97	1	2	2	5	5	1.1%	2.1%	2.1%	5.2%	5.2%	0	1	1	4	4	4	4	4
	22:00	76	1	0	77	78	78	80	80	1	2	2	4	4	1.3%	2.6%	2.6%	5.0%	5.0%	0	1	1	3	3	3	3	3
	23:00	54	1	0	55	55	55	59	59	1	1	1	5	5	1.8%	1.8%	1.8%	8.5%	8.5%	0	0	0	4	4	4	4	4
Daily	4116	141	38	4295	4508	4508	4505	4505	179	392	392	389	389	8.7%	8.7%	8.7%	8.6%	8.6%	0	213	213	210	210	210	210	210	
% CT of HV														0.0%	54.3%	54.3%	54.0%	54.0%									
Day (6am-10pm)	3627	110	17	3754	3959	3959	3928	3928	127	332	332	301	301	3.4%	8.4%	8.4%	7.7%	7.7%	0	205	205	174	174	174	174	174	
% CT of HV														0.0%	61.7%	61.7%	57.8%	57.8%									
Night (10pm-7am)	489	31	21	541	549	549	577	577	52	60	60	88	88	9.6%	10.9%	10.9%	15.3%	15.3%	0	8	8	36	36	36	36	36	
% CT of HV														0.0%	13.3%	13.3%	40.9%	40.9%									

		2008 Average Weekend																							
		1. Appin Road, North of Princes Highway																							
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks											
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H					
Two-Way	0:00	149	7	14	170	170	170	180	180	21	21	21	31	31	12.4%	12.4%	12.4%	17.2%	17.2%	0	0	0	10	10	4mtpa @ 24/7
	1:00	124	5	38	167	167	174	174	174	43	43	43	50	50	25.7%	25.7%	25.7%	28.7%	28.7%	0	0	0	7	7	4mtpa @ 24/7&15-5-10/2
	2:00	78	12	19	109	110	110	114	114	31	32	32	36	36	28.4%	29.1%	29.1%	31.6%	31.6%	0	1	1	5	5	4mtpa @ 11/6
	3:00	66	6	10	82	84	84	86	86	16	18	18	20	20	19.5%	21.4%	21.4%	23.3%	23.3%	0	2	2	4	4	4mtpa @ Current
	4:00	104	14	16	134	137	137	142	142	30	33	33	38	38	22.4%	24.1%	24.1%	26.8%	26.8%	0	3	3	8	8	4mtpa @ 24/7
	5:00	209	7	11	227	233	233	238	238	18	24	24	29	29	7.9%	10.3%	10.3%	12.2%	12.2%	0	6	6	11	11	4mtpa @ 11/6
	6:00	245	15	1	261	286	286	284	284	16	41	41	39	39	6.1%	14.3%	14.3%	13.7%	13.7%	0	25	25	23	23	4mtpa @ No CT
	7:00	251	14	1	266	302	302	291	291	15	51	51	40	40	5.6%	16.9%	16.9%	13.7%	13.7%	0	36	36	25	25	4mtpa @ Current
	8:00	410	22	0	432	465	465	457	457	22	55	55	47	47	5.1%	11.8%	11.8%	10.3%	10.3%	0	33	33	25	25	4mtpa @ 24/7
	9:00	427	10	1	438	482	482	466	466	11	55	55	39	39	2.5%	11.4%	11.4%	8.4%	8.4%	0	44	44	28	28	4mtpa @ 24/7&15-5-10/2
	10:00	483	7	2	492	543	543	526	526	9	60	60	43	43	1.8%	11.0%	11.0%	8.2%	8.2%	0	51	51	34	34	4mtpa @ 11/6
	11:00	564	17	0	581	630	630	611	611	17	66	66	47	47	2.9%	10.5%	10.5%	7.7%	7.7%	0	49	49	30	30	4mtpa @ No CT
	12:00	635	19	1	655	698	698	687	687	20	63	63	52	52	3.1%	9.0%	9.0%	7.6%	7.6%	0	43	43	32	32	4mtpa @ 24/7&15-5-10/2
	13:00	545	21	1	567	609	609	599	599	22	64	64	54	54	3.9%	10.5%	10.5%	9.0%	9.0%	0	42	42	32	32	4mtpa @ Current
	14:00	849	20	1	870	907	907	900	900	21	58	58	51	51	2.4%	6.4%	6.4%	5.7%	5.7%	0	37	37	30	30	4mtpa @ No CT
	15:00	521	11	2	534	559	559	561	561	13	38	38	40	40	2.4%	6.8%	6.8%	7.1%	7.1%	0	25	25	27	27	4mtpa @ 11/6
	16:00	539	17	4	560	575	575	584	584	21	36	36	45	45	3.8%	6.3%	6.3%	7.7%	7.7%	0	15	15	24	24	4mtpa @ Current
	17:00	537	17	7	561	565	565	575	575	24	28	28	38	38	4.3%	5.0%	5.0%	6.6%	6.6%	0	4	4	14	14	4mtpa @ 24/7
	18:00	513	7	1	521	524	524	531	531	8	11	11	18	18	1.5%	2.1%	2.1%	3.4%	3.4%	0	3	3	10	10	4mtpa @ 11/6
	19:00	331	6	1	338	340	340	348	348	7	9	9	17	17	2.1%	2.6%	2.6%	4.9%	4.9%	0	2	2	10	10	4mtpa @ No CT
	20:00	256	4	1	261	263	263	267	267	5	7	7	11	11	1.9%	2.7%	2.7%	4.1%	4.1%	0	2	2	6	6	4mtpa @ 24/7&15-5-10/2
	21:00	246	1	0	247	249	249	255	255	1	3	3	9	9	0.4%	1.2%	1.2%	3.5%	3.5%	0	2	2	8	8	4mtpa @ Current
	22:00	240	3	0	243	244	244	250	250	3	4	4	10	10	1.2%	1.6%	1.6%	4.0%	4.0%	0	1	1	7	7	4mtpa @ 24/7
23:00	170	2	2	174	174	174	184	184	4	4	4	14	14	2.3%	2.3%	2.3%	7.6%	7.6%	0	0	0	10	10	4mtpa @ 11/6	
Daily	8492	264	134	8890	9316	9316	9310	9310	398	824	824	818	818	4.5%	8.8%	8.8%	8.8%	8.8%	0	426	426	420	420	4mtpa @ No CT	
% CT of HV															0.0%	51.7%	51.7%	51.3%	51.3%						
Day (6am-10pm)	7107	193	23	7323	7711	7711	7658	7658	216	604	604	551	551	2.9%	7.8%	7.8%	7.2%	7.2%	0	388	388	335	335	4mtpa @ 11/6	
% CT of HV															0.0%	64.2%	64.2%	60.8%	60.8%						
Night (10pm-7am)	1385	71	111	1567	1605	1605	1652	1652	182	220	220	267	267	11.6%	13.7%	13.7%	16.2%	16.2%	0	38	38	85	85	4mtpa @ Current	
% CT of HV															0.0%	17.3%	17.3%	31.8%	31.8%						

2008 Average Weekend

1. Appin Road, North of Princes Highway



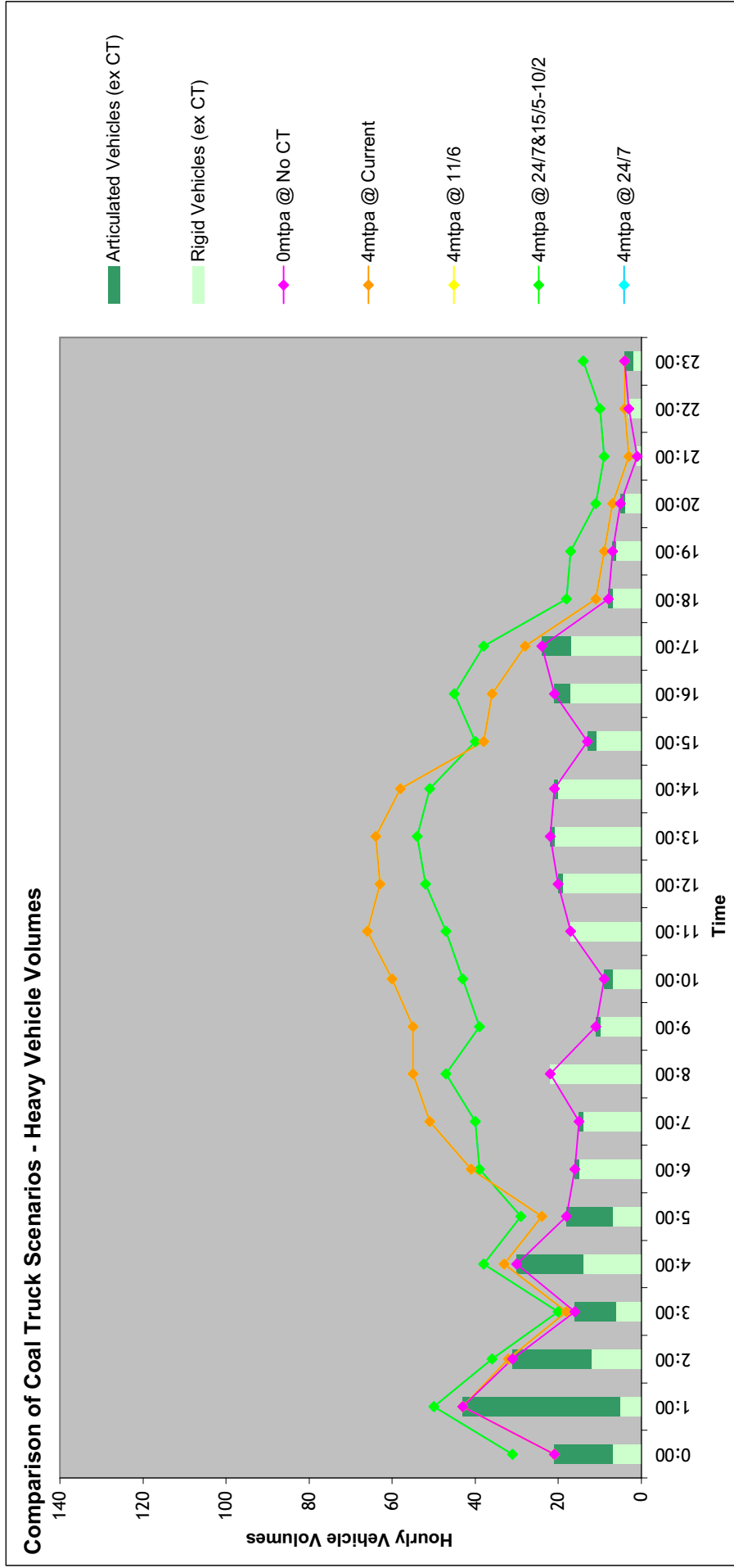
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

1. Appin Road, North of Princes Highway

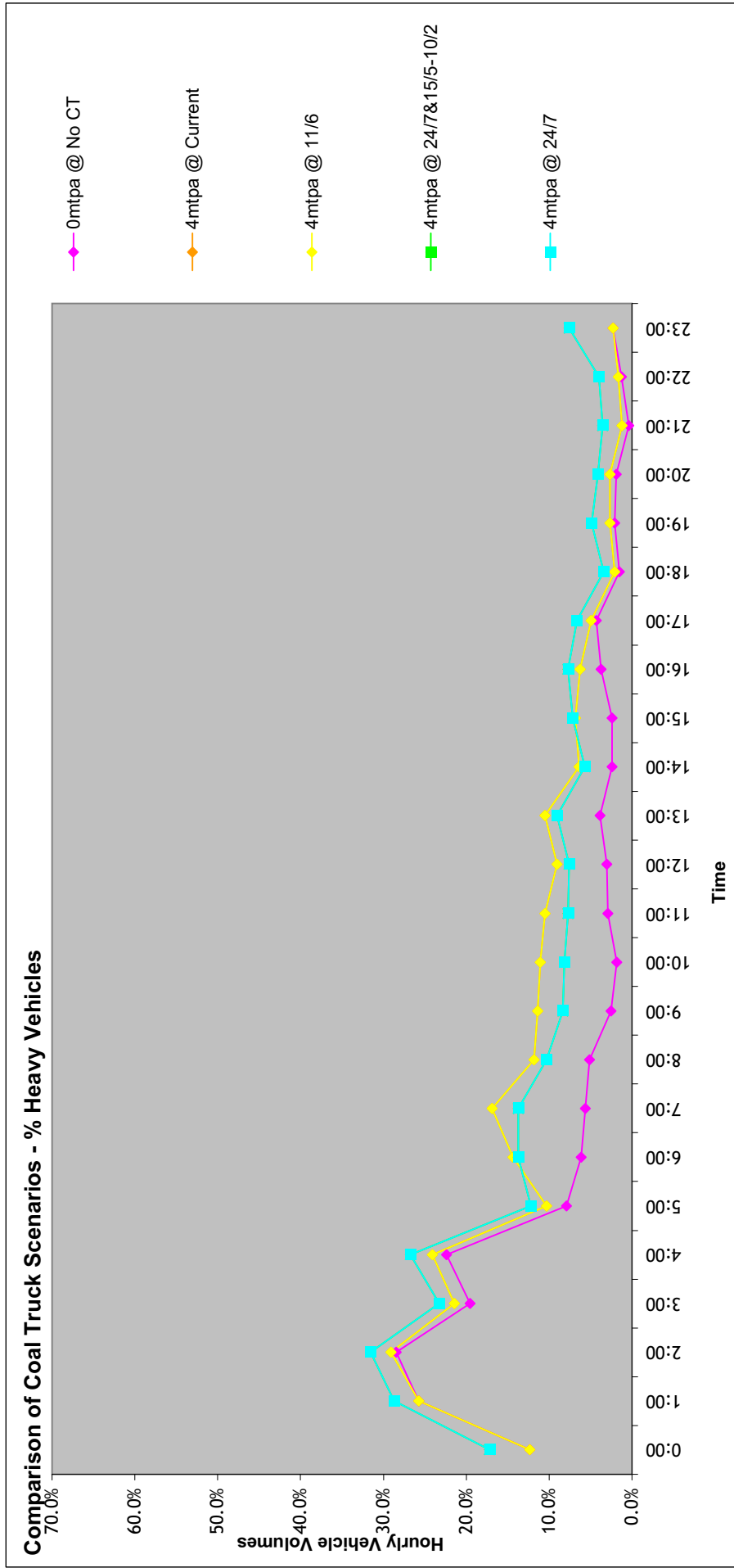


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e., rigid+artic+CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

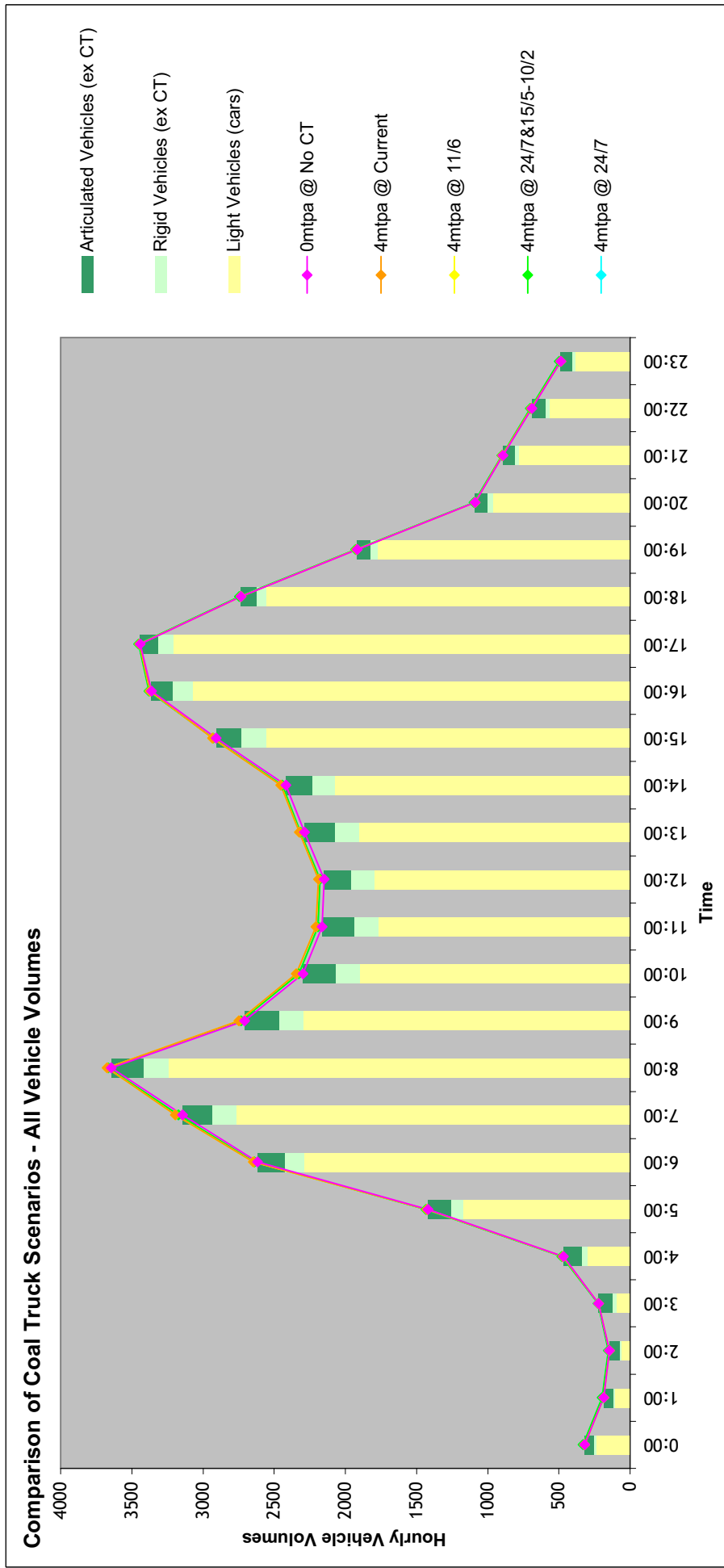
Direction		2008 Average Weekday																						
		2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway										% Heavy Vehicles Including Coal												
		Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Total Vehicles Including Coal					% Heavy Vehicles Including Coal Trucks							
		Base Volumes		A	Bx1	B	E	H	Omtpa @ No CT		Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT		A	Bx1	B	E	H	Coal Trucks Only		
Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)																						
Southbound (to PKCT)	Time	179	9	37	225	225	225	230	230	46	46	46	51	51	20.6%	20.6%	20.6%	22.3%	22.3%	0	0	0	5	5
		76	9	36	121	121	125	125	125	45	45	45	49	49	37.4%	37.4%	37.4%	39.4%	39.4%	0	0	0	4	4
		34	4	34	72	73	76	76	76	38	39	39	42	42	53.0%	53.7%	53.7%	55.5%	55.5%	0	1	1	4	4
		32	8	27	67	68	70	70	70	35	36	36	38	38	52.5%	53.2%	53.2%	54.5%	54.5%	0	1	1	3	3
		49	11	47	107	109	114	114	114	58	60	60	65	65	54.4%	55.2%	55.2%	57.2%	57.2%	0	2	2	7	7
		165	18	84	267	271	275	275	275	102	106	106	110	110	38.3%	39.3%	39.3%	40.1%	40.1%	0	4	4	8	8
		638	61	87	785	809	809	799	799	148	172	172	162	162	18.8%	21.2%	21.2%	20.2%	20.2%	0	24	24	14	14
		1123	85	108	1316	1336	1330	1330	1330	193	213	213	207	207	14.6%	15.9%	15.9%	15.5%	15.5%	0	20	20	14	14
		1980	92	109	2181	2199	2199	2195	2195	201	219	219	215	215	9.2%	9.9%	9.9%	9.8%	9.8%	0	18	18	14	14
		1327	80	109	1516	1538	1530	1530	1530	189	211	211	203	203	12.4%	13.7%	13.7%	13.2%	13.2%	0	22	22	14	14
		1062	83	102	1247	1268	1261	1261	1261	185	206	206	199	199	14.8%	16.2%	16.2%	15.8%	15.8%	0	21	21	14	14
		932	93	108	1133	1156	1148	1148	1148	201	224	224	216	216	17.7%	19.3%	19.3%	18.8%	18.8%	0	23	23	15	15
		896	74	100	1070	1089	1084	1084	1084	174	193	193	188	188	16.2%	17.7%	17.7%	17.3%	17.3%	0	19	19	14	14
		919	81	116	1115	1134	1130	1130	1130	197	216	216	212	212	17.6%	19.0%	19.0%	18.7%	18.7%	0	19	19	15	15
		1002	83	106	1190	1207	1202	1202	1202	189	206	206	201	201	15.8%	17.0%	17.0%	16.7%	16.7%	0	17	17	12	12
		1266	96	106	1468	1478	1478	1479	1479	202	212	212	213	213	13.7%	14.3%	14.3%	14.4%	14.4%	0	10	10	11	11
		1694	76	78	1848	1853	1853	1857	1857	154	159	159	163	163	8.3%	8.6%	8.6%	8.8%	8.8%	0	5	5	9	9
		1772	65	62	1899	1901	1901	1906	1906	127	129	129	134	134	6.7%	6.8%	6.8%	7.0%	7.0%	0	2	2	7	7
		1620	41	52	1713	1713	1713	1717	1717	93	93	93	97	97	5.4%	5.4%	5.4%	5.7%	5.7%	0	0	0	4	4
		1251	30	55	1336	1337	1337	1341	1341	85	86	86	90	90	6.4%	6.5%	6.5%	6.7%	6.7%	0	1	1	5	5
		613	24	46	683	684	684	687	687	70	71	71	74	74	10.3%	10.4%	10.4%	10.8%	10.8%	0	1	1	4	4
		465	16	41	522	523	523	526	526	57	58	58	61	61	11.0%	11.2%	11.2%	11.7%	11.7%	0	1	1	4	4
		367	14	46	427	428	428	432	432	60	61	61	65	65	14.1%	14.3%	14.3%	15.1%	15.1%	0	1	1	5	5
274	8	44	326	326	326	331	331	52	52	52	57	57	16.0%	16.0%	16.0%	17.3%	17.3%	0	0	0	5	5		
19734	1161	1739	22634	22846	22846	22845	22845	2900	3112	3112	3111	3111	12.8%	13.6%	13.6%	13.6%	13.6%	0	212	212	211	211		
% CT of HV														0.0%	6.8%	6.8%	6.8%	6.8%						
Day (6am-10pm)	17921	1019	20235	20414	20414	20391	20391	2314	2493	2493	2470	2470	11.4%	12.2%	12.2%	12.1%	12.1%	0	179	179	156	156		
% CT of HV														0.0%	7.2%	7.2%	6.3%	6.3%						
Night (10pm-7am)	1813	142	2399	2432	2432	2454	2454	586	619	619	641	641	24.4%	25.5%	25.5%	26.1%	26.1%	0	33	33	55	55		
% CT of HV														0.0%	5.3%	5.3%	8.6%	8.6%						

Direction		2008 Average Weekday																						
		2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway											% Heavy Vehicles Including Coal											
		Total Vehicles Including Coal Trucks						Trucks					Total Heavy Vehicles Including Coal					Coal Trucks Only						
Time	Base Volumes			A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	
0:00	58	7	29	94	94	94	99	99	36	36	36	41	41	38.5%	38.5%	38.5%	41.6%	41.6%	0	0	0	0	0	5
1:00	29	6	30	65	65	65	70	70	36	36	36	41	41	55.6%	55.6%	55.6%	58.8%	58.8%	0	0	0	0	0	5
2:00	27	12	32	71	71	71	75	75	44	44	44	48	48	62.2%	62.2%	62.2%	64.2%	64.2%	0	0	0	0	0	4
3:00	67	18	68	153	154	154	156	156	86	87	87	89	89	56.3%	56.6%	56.6%	57.2%	57.2%	0	1	1	1	1	3
4:00	251	32	79	362	363	363	366	366	111	112	112	115	115	30.7%	30.9%	30.9%	31.5%	31.5%	0	1	1	1	1	4
5:00	1008	64	80	1152	1154	1154	1159	1159	144	146	146	151	151	12.5%	12.7%	12.7%	13.1%	13.1%	0	2	2	2	2	7
6:00	1652	78	101	1830	1835	1835	1839	1839	179	184	184	188	188	9.8%	10.0%	10.0%	10.2%	10.2%	0	5	5	5	5	9
7:00	1642	88	99	1829	1859	1859	1845	1845	187	217	217	203	203	10.2%	11.7%	11.7%	11.0%	11.0%	0	30	30	30	16	16
8:00	1261	87	115	1463	1476	1476	1473	1473	202	215	215	212	212	13.8%	14.5%	14.5%	14.4%	14.4%	0	13	13	13	10	10
9:00	967	92	132	1191	1209	1209	1205	1205	224	242	242	238	238	18.8%	20.0%	20.0%	19.7%	19.7%	0	18	18	18	14	14
10:00	835	85	130	1050	1077	1077	1067	1067	215	242	242	232	232	20.4%	22.4%	22.4%	21.7%	21.7%	0	27	27	27	17	17
11:00	840	78	113	1031	1052	1052	1045	1045	191	212	212	205	205	18.5%	20.1%	20.1%	19.6%	19.6%	0	21	21	21	14	14
12:00	906	84	88	1078	1101	1101	1094	1094	172	195	195	188	188	15.9%	17.7%	17.7%	17.2%	17.2%	0	23	23	23	16	16
13:00	988	89	95	1171	1189	1189	1184	1184	184	202	202	197	197	15.7%	17.0%	17.0%	16.6%	16.6%	0	18	18	18	13	13
14:00	1072	81	75	1227	1247	1247	1242	1242	156	176	176	171	171	12.7%	14.1%	14.1%	13.7%	13.7%	0	20	20	20	15	15
15:00	1288	83	69	1440	1456	1456	1452	1452	152	168	168	164	164	10.5%	11.5%	11.5%	11.3%	11.3%	0	16	16	16	12	12
16:00	1379	62	73	1514	1521	1521	1524	1524	135	142	142	145	145	8.9%	9.3%	9.3%	9.5%	9.5%	0	7	7	7	10	10
17:00	1436	41	64	1541	1545	1545	1548	1548	105	109	109	112	112	6.8%	7.0%	7.0%	7.2%	7.2%	0	4	4	4	7	7
18:00	936	28	54	1018	1020	1020	1025	1025	82	84	84	89	89	8.1%	8.3%	8.3%	8.7%	8.7%	0	2	2	2	7	7
19:00	525	20	36	581	581	581	586	586	56	56	56	61	61	9.7%	9.7%	9.7%	10.5%	10.5%	0	0	0	0	5	5
20:00	350	15	40	405	406	406	410	410	55	56	56	60	60	13.6%	13.9%	13.9%	14.7%	14.7%	0	1	1	1	5	5
21:00	321	12	39	372	373	373	376	376	51	52	52	55	55	13.8%	14.0%	14.0%	14.7%	14.7%	0	1	1	1	4	4
22:00	205	15	43	263	264	264	267	267	58	59	59	62	62	22.2%	22.5%	22.5%	23.3%	23.3%	0	1	1	1	4	4
23:00	113	10	36	159	160	160	164	164	46	47	47	51	51	29.1%	29.5%	29.5%	31.2%	31.2%	0	1	1	1	5	5
Daily	18154	1187	1719	21060	21272	21272	21271	21271	2906	3118	3118	3117	3117	13.8%	14.7%	14.7%	14.7%	14.7%	0	212	212	212	211	211
% CT of HV									0.0%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%						
Day (6am-10pm)	14745	945	1219	16909	17110	17110	17074	17074	2164	2365	2365	2329	2329	12.8%	13.8%	13.8%	13.6%	13.6%	0	201	201	201	165	165
% CT of HV									0.0%	8.5%	8.5%	7.1%	7.1%	0.0%	8.5%	8.5%	7.1%	7.1%						
Night (10pm-7am)	3409	242	500	4151	4162	4162	4197	4197	742	753	753	788	788	17.9%	18.1%	18.1%	18.8%	18.8%	0	11	11	11	46	46
% CT of HV									0.0%	1.5%	1.5%	1.5%	1.5%	0.0%	1.5%	1.5%	1.5%	1.5%						

		2008 Average Weekday																						
		2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway										% Heavy Vehicles Including Coal												
Direction	Time	Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Total Vehicles Including Coal					% Heavy Vehicles Including Coal							
		Base Volumes		Coal Trucks			Coal Trucks			Coal Trucks			Coal Trucks			Coal Trucks			Coal Trucks					
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx1	B	E	H	A	Bx1	B	E	H	A	Bx1	B	E	H	A	Bx1	B	E	H
	0:00	237	16	67	320	320	330	330	83	83	83	93	93	25.9%	25.9%	25.9%	28.1%	28.1%	0	0	0	0	0	10
	1:00	105	15	67	187	187	196	196	82	82	82	91	91	43.8%	43.8%	43.8%	46.4%	46.4%	0	0	0	0	0	9
	2:00	61	16	67	144	145	152	152	83	84	84	91	91	57.6%	57.9%	57.9%	59.8%	59.8%	0	1	1	1	1	8
	3:00	99	26	96	221	223	227	227	122	124	124	128	128	55.2%	55.6%	55.6%	56.3%	56.3%	0	2	2	2	2	6
	4:00	300	43	127	470	473	481	481	170	173	173	181	181	36.1%	36.5%	36.5%	37.6%	37.6%	0	3	3	3	3	11
	5:00	1172	82	165	1419	1425	1434	1434	247	253	253	262	262	17.4%	17.7%	17.7%	18.3%	18.3%	0	6	6	6	6	15
	6:00	2289	139	187	2615	2644	2638	2638	326	355	355	349	349	12.5%	13.4%	13.4%	13.2%	13.2%	0	29	29	29	23	23
	7:00	2765	173	206	3144	3194	3174	3174	379	429	429	409	409	12.1%	13.4%	13.4%	12.9%	12.9%	0	50	50	50	30	30
	8:00	3241	179	223	3643	3674	3667	3667	402	433	433	426	426	11.0%	11.8%	11.8%	11.6%	11.6%	0	31	31	31	24	24
	9:00	2294	172	240	2706	2746	2734	2734	412	452	452	440	440	15.2%	16.5%	16.5%	16.1%	16.1%	0	40	40	40	28	28
	10:00	1897	168	231	2296	2344	2327	2327	399	447	447	430	430	17.4%	19.1%	19.1%	18.5%	18.5%	0	48	48	48	31	31
	11:00	1772	171	220	2163	2207	2192	2192	391	435	435	420	420	18.1%	19.7%	19.7%	19.2%	19.2%	0	44	44	44	29	29
	12:00	1802	158	187	2147	2189	2177	2177	345	387	387	375	375	16.1%	17.7%	17.7%	17.2%	17.2%	0	42	42	42	30	30
	13:00	1906	170	210	2286	2323	2314	2314	380	417	417	408	408	16.6%	18.0%	18.0%	17.6%	17.6%	0	37	37	37	28	28
	14:00	2073	164	180	2417	2454	2444	2444	344	381	381	371	371	14.2%	15.5%	15.5%	15.2%	15.2%	0	37	37	37	27	27
	15:00	2554	179	174	2907	2933	2930	2930	353	379	379	376	376	12.1%	12.9%	12.9%	12.8%	12.8%	0	26	26	26	23	23
	16:00	3073	138	150	3361	3373	3380	3380	288	300	300	307	307	8.6%	8.9%	8.9%	9.1%	9.1%	0	12	12	12	19	19
	17:00	3208	106	125	3439	3445	3453	3453	231	237	237	245	245	6.7%	6.9%	6.9%	7.1%	7.1%	0	6	6	6	14	14
	18:00	2556	69	107	2732	2734	2734	2734	176	178	178	187	187	6.4%	6.5%	6.5%	6.8%	6.8%	0	2	2	2	11	11
	19:00	1776	50	92	1918	1919	1928	1928	142	143	143	152	152	7.4%	7.4%	7.4%	7.9%	7.9%	0	1	1	1	10	10
	20:00	963	39	87	1089	1091	1098	1098	126	128	128	135	135	11.5%	11.7%	11.7%	12.3%	12.3%	0	2	2	2	9	9
	21:00	785	28	81	894	896	896	896	109	111	111	117	117	12.2%	12.4%	12.4%	12.9%	12.9%	0	2	2	2	8	8
	22:00	571	29	90	690	692	699	699	119	121	121	128	128	17.2%	17.4%	17.4%	18.3%	18.3%	0	2	2	2	9	9
	23:00	387	18	81	486	487	496	496	99	100	100	109	109	20.3%	20.5%	20.5%	21.9%	21.9%	0	1	1	1	10	10
	Daily	37887	2348	3459	43694	44118	44116	44116	5807	6231	6231	6229	6229	13.3%	14.1%	14.1%	14.1%	14.1%	0	424	424	424	422	422
	% CT of HV													0.0%	6.8%	6.8%	6.8%	6.8%						
	Day (6am-10pm)	32666	1964	2514	37143	37523	37464	37464	4478	4858	4858	4799	4799	12.1%	12.9%	12.9%	12.8%	12.8%	0	380	380	380	321	321
	% CT of HV													0.0%	7.8%	7.8%	6.7%	6.7%						
	Night (10pm-7am)	5222	384	945	6551	6595	6652	6652	1329	1373	1373	1430	1430	20.3%	20.8%	20.8%	21.5%	21.5%	0	44	44	44	101	101
	% CT of HV													0.0%	3.2%	3.2%	7.1%	7.1%						

2008 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



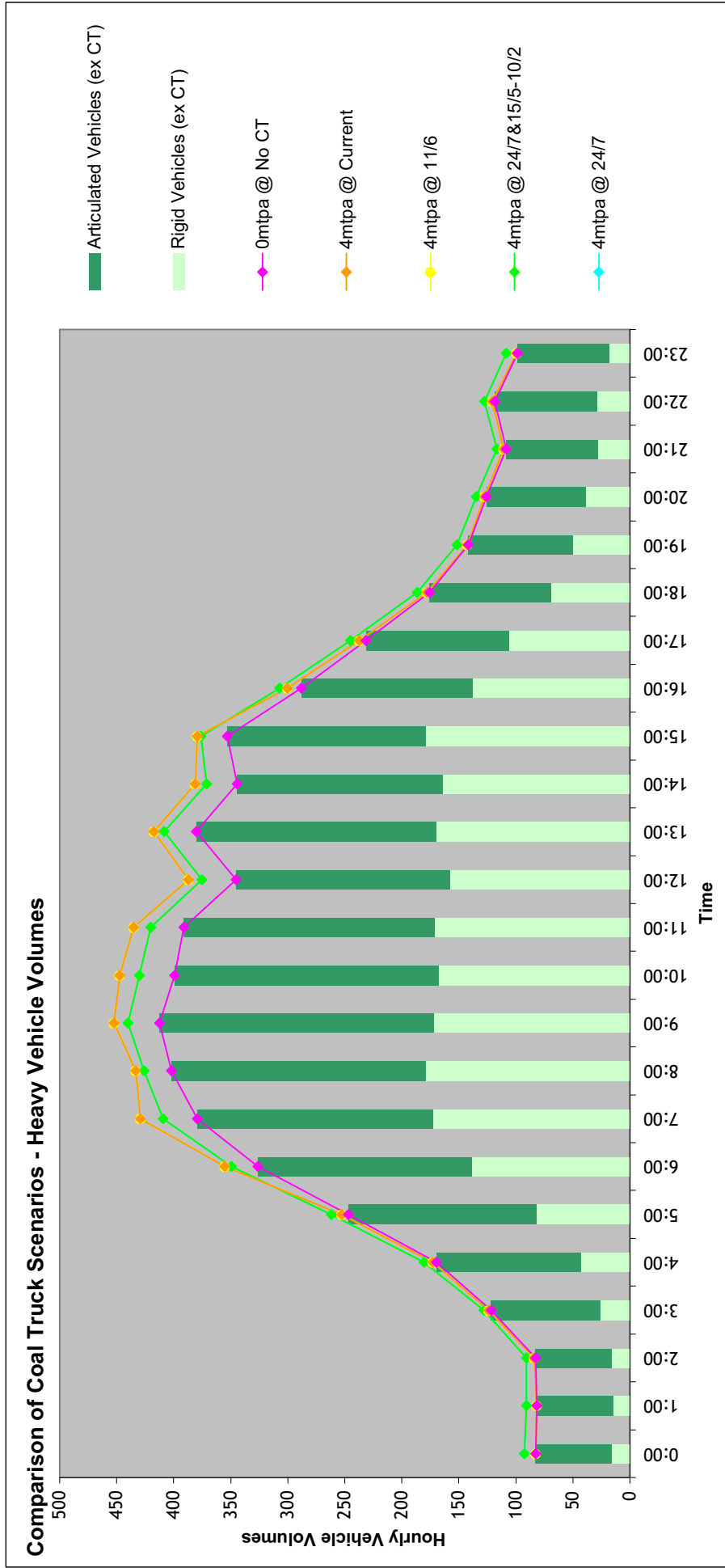
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

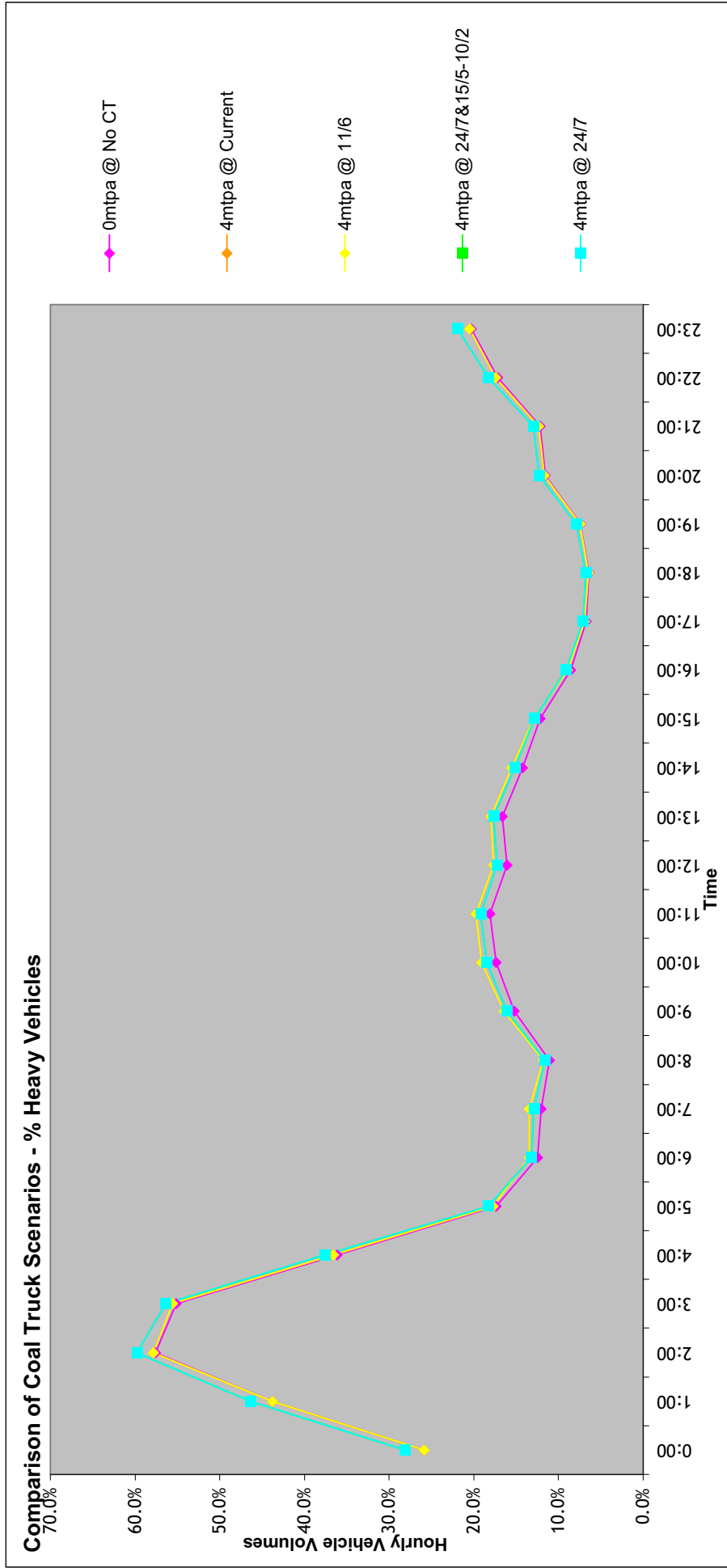
2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun)

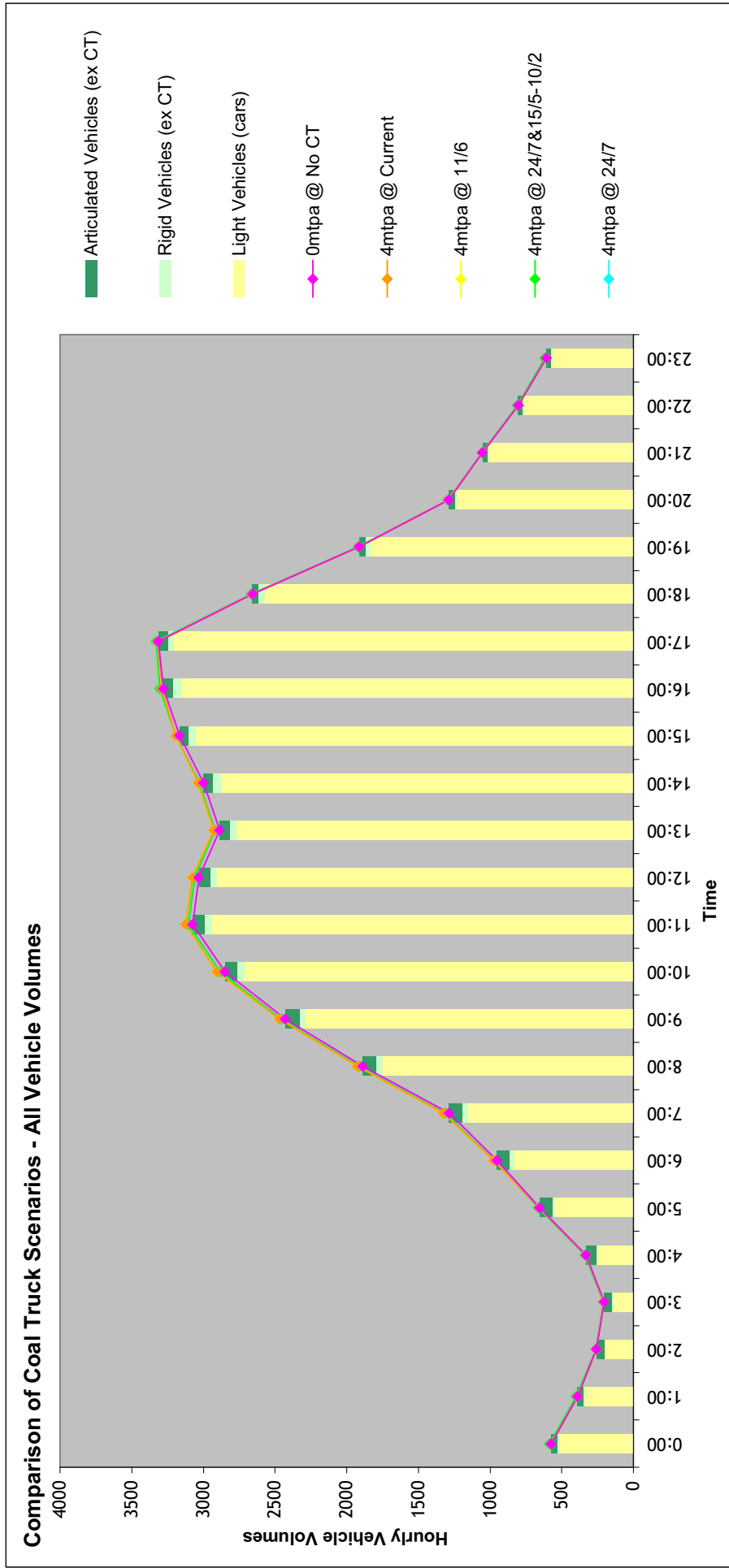
2008 Average Weekend
 2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway

Direction	2008 Average Weekend																							
	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks											
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H						
Southbound (to PKCT)	19200	383	749	20332	20545	20545	20542	20542	1132	1345	1345	1342	1342	5.6%	6.5%	6.5%	6.5%	0	213	213	210	210	4	
	% CT of HV																							
	17137	312	506	17955	18143	18143	18119	18119	818	1006	1006	982	982	4.6%	5.5%	5.5%	5.4%	0	188	188	164	164	4	
	% CT of HV																							
	2063	71	243	2377	2402	2402	2423	2423	314	339	339	360	360	13.2%	14.1%	14.1%	14.9%	0	25	25	25	25	4	
	% CT of HV																							
	0:00	337	11	24	372	372	372	376	376	35	35	35	39	39	9.5%	9.5%	10.5%	10.5%	0	0	0	0	0	4
	1:00	216	6	22	244	244	244	248	248	28	28	28	32	32	11.6%	11.6%	13.0%	13.0%	0	0	0	0	0	4
	2:00	119	5	35	159	160	160	160	160	40	41	41	41	41	25.3%	25.8%	25.8%	25.8%	0	1	1	1	1	1
	3:00	68	3	22	93	94	94	96	96	25	26	26	28	28	27.2%	28.0%	28.0%	29.4%	0	1	1	1	1	3
	4:00	85	7	33	125	127	127	129	129	40	42	42	44	44	32.2%	33.3%	34.3%	34.3%	0	2	2	2	2	4
	5:00	190	7	39	236	239	239	243	243	46	49	49	53	53	19.7%	20.7%	22.0%	22.0%	0	3	3	3	3	7
	6:00	321	14	40	374	392	392	387	387	54	72	72	67	67	14.3%	18.3%	17.2%	17.2%	0	18	18	13	13	13
	7:00	571	20	47	638	657	657	651	651	65	86	86	80	80	10.4%	13.0%	12.2%	12.2%	0	19	19	13	13	13
	8:00	960	28	47	1035	1054	1054	1050	1050	75	94	94	90	90	7.2%	8.9%	8.5%	8.5%	0	19	19	15	15	15
	9:00	1281	22	55	1358	1381	1381	1372	1372	77	100	100	91	91	5.6%	7.2%	7.2%	6.6%	0	23	23	14	14	14
	10:00	1519	22	35	1576	1600	1600	1591	1591	57	81	81	72	72	3.6%	5.0%	4.5%	4.5%	0	24	24	15	15	15
	11:00	1635	22	46	1703	1727	1727	1719	1719	68	92	92	84	84	4.0%	5.3%	4.9%	4.9%	0	24	24	16	16	16
	12:00	1544	24	39	1607	1628	1628	1622	1622	63	84	84	78	78	3.9%	5.1%	4.8%	4.8%	0	21	21	15	15	15
	13:00	1356	25	37	1417	1437	1437	1434	1434	62	82	82	79	79	4.3%	5.7%	5.5%	5.5%	0	20	20	17	17	17
	14:00	1329	24	36	1388	1406	1406	1402	1402	60	78	78	74	74	4.3%	5.5%	5.2%	5.2%	0	18	18	14	14	14
	15:00	1352	25	30	1407	1417	1417	1420	1420	55	65	65	68	68	3.9%	4.6%	4.6%	4.8%	0	10	10	13	13	13
	16:00	1297	28	33	1358	1363	1363	1370	1370	61	66	66	73	73	4.5%	4.8%	4.8%	5.3%	0	5	5	12	12	12
17:00	1240	21	30	1291	1293	1293	1297	1297	51	53	53	57	57	3.9%	4.1%	4.1%	4.4%	0	2	2	6	6	6	
18:00	1119	14	20	1153	1153	1153	1157	1157	34	34	34	38	38	3.0%	3.0%	3.3%	3.3%	0	0	0	0	0	4	
19:00	891	19	18	928	929	929	931	931	37	38	38	40	40	4.0%	4.1%	4.1%	4.3%	0	1	1	3	3	3	
20:00	559	10	22	591	592	592	595	595	32	33	33	36	36	5.5%	5.6%	6.1%	6.1%	0	1	1	1	1	4	
21:00	485	8	14	507	508	508	510	510	22	23	23	25	25	4.4%	4.6%	4.6%	5.0%	0	1	1	1	1	3	
22:00	378	8	15	401	401	401	405	405	23	23	23	27	27	5.8%	5.8%	6.7%	6.7%	0	0	0	0	0	4	
23:00	350	10	11	371	371	371	377	377	21	21	21	21	21	5.7%	5.7%	7.2%	7.2%	0	0	0	0	0	6	
Daily	19200	383	749	20332	20545	20545	20542	20542	1132	1345	1345	1342	1342	5.6%	6.5%	6.5%	6.5%	0	213	213	210	210	210	
% CT of HV																								
Day (6am-10pm)	17137	312	506	17955	18143	18143	18119	18119	818	1006	1006	982	982	4.6%	5.5%	5.5%	5.4%	0	188	188	164	164	164	
% CT of HV																								
Night (10pm-7am)	2063	71	243	2377	2402	2402	2423	2423	314	339	339	360	360	13.2%	14.1%	14.1%	14.9%	0	25	25	25	25	46	
% CT of HV																								

Direction		2008 Average Weekend																											
		2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway												% Heavy Vehicles Including Coal															
		Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						Coal Trucks Only						% Heavy Vehicles Including Coal Trucks									
		Base Volumes		A	Bx	B	E	H	A		Bx	B	E	H	A		Bx	B	E	H	A		Bx	B	E	H			
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-5-10/2		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-5-10/2		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-5-10/2		
	Time	180	3	19	202	202	202	202	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	
	0:00	120	6	19	145	145	145	145	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	
	1:00	77	3	17	97	97	97	97	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	2:00	71	6	34	111	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
	3:00	161	8	34	203	204	204	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	
	4:00	358	12	47	417	419	419	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	
	5:00	512	19	46	576	580	580	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	
	6:00	585	18	43	646	668	668	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	
	7:00	789	17	49	855	869	869	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	864	
	8:00	1008	18	44	1070	1089	1089	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	
	9:00	1197	28	49	1274	1303	1303	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	
	10:00	1305	29	37	1371	1394	1394	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	
	11:00	1365	23	35	1423	1448	1448	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	1438	
	12:00	1410	23	37	1469	1488	1488	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	
	13:00	1547	32	30	1608	1629	1629	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	1625	
	14:00	1699	30	30	1759	1776	1776	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	
	15:00	1854	34	32	1920	1927	1927	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	
	16:00	1965	21	37	2023	2027	2027	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	
	17:00	1456	29	20	1505	1507	1507	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	
	18:00	942	16	25	983	983	983	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	
	19:00	668	10	19	697	698	698	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	
	20:00	520	7	17	544	545	545	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	547	
	21:00	382	7	13	402	403	403	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	
	22:00	214	4	16	234	234	234	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	
	23:00	20383	403	748	21534	21747	21747	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	21744	
	Daily																												
	% CT of HV																												
	Day (6am-10pm)	18309	335	501	19145	19349	19349	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	19318	
	% CT of HV																												
	Night (10pm-7am)	2074	68	247	2389	2398	2398	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	2426	
	% CT of HV																												

2008 Average Weekend

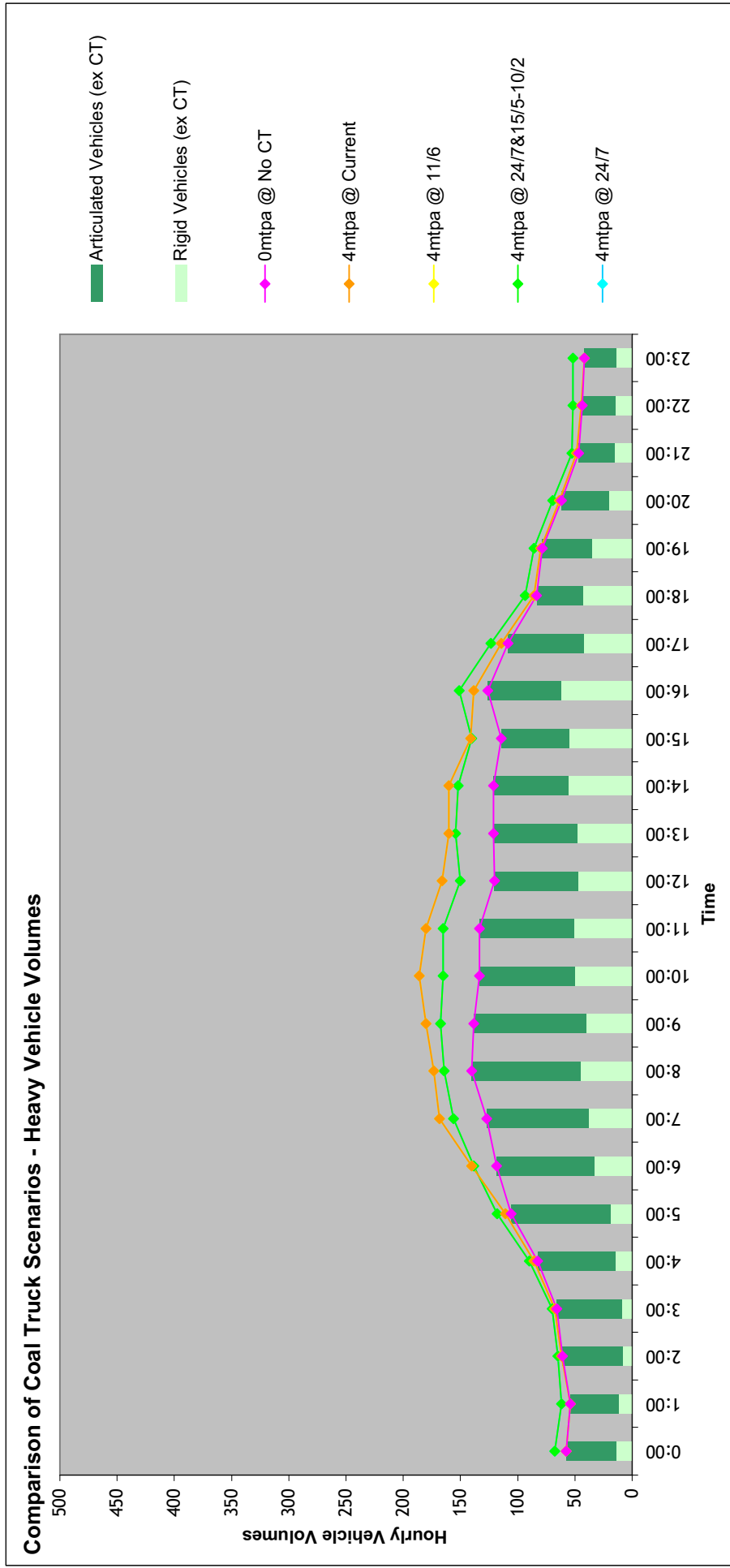
2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

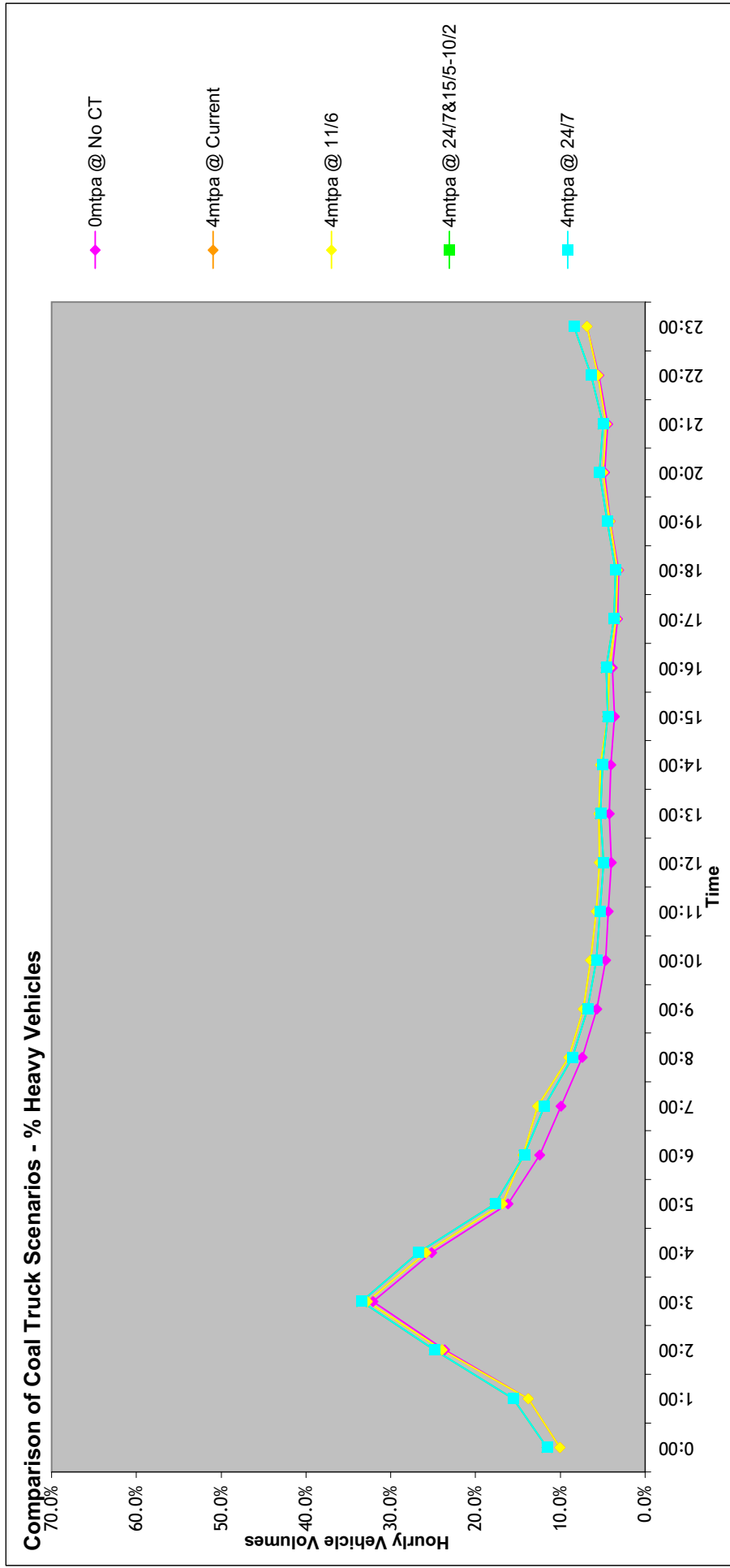
2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun)

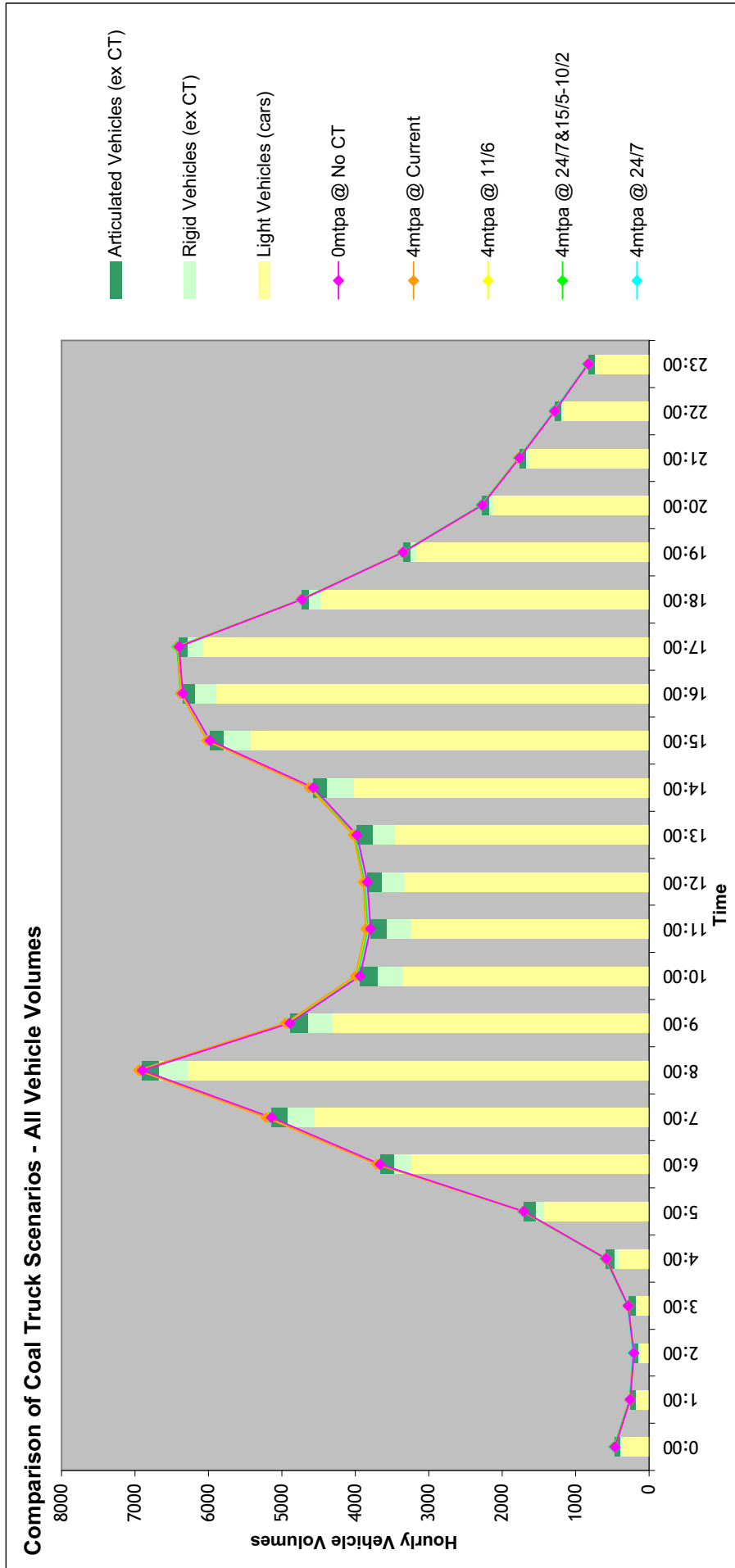
		2008 Average Weekday																								
		3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)										% Heavy Vehicles Including Coal														
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Trucks					Coal Trucks Only				
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
							Omtpa @ No CT	4mtpa @ Current	4mtpa @ 1/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 1/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 1/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 1/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
Southbound (to PKCT)	0:00	257	10	39	306	306	306	311	312	312	49	49	49	45	55	16.1%	16.1%	16.1%	17.5%	17.7%	0	0	0	0	5	6
	1:00	113	9	36	158	158	162	163	163	45	45	45	43	49	28.7%	28.7%	28.7%	30.4%	30.8%	0	0	0	0	4	5	
	2:00	66	8	34	108	109	109	112	114	42	43	43	46	48	39.1%	39.7%	39.7%	41.3%	42.3%	0	1	1	1	4	6	
	3:00	64	9	26	99	100	100	102	104	35	36	36	38	40	35.6%	36.2%	36.2%	37.5%	38.7%	0	1	1	1	3	5	
	4:00	102	14	38	154	156	156	161	163	52	54	54	59	61	33.9%	34.8%	34.8%	36.8%	37.6%	0	2	2	2	7	9	
	5:00	346	31	75	452	456	456	460	462	106	110	110	114	116	23.5%	24.2%	24.2%	24.9%	25.2%	0	4	4	4	8	10	
	6:00	1193	93	89	1374	1409	1406	1388	1392	182	217	214	196	200	13.2%	13.4%	13.4%	14.1%	14.3%	0	35	32	32	14	18	
	7:00	1914	155	105	2174	2204	2201	2194	2192	260	290	287	280	278	11.9%	13.0%	13.0%	12.7%	12.7%	0	30	27	27	20	18	
	8:00	2602	181	113	2896	2924	2921	2915	2914	294	322	319	313	312	10.1%	11.0%	11.0%	10.7%	10.7%	0	28	25	25	19	18	
	9:00	1862	162	109	2133	2165	2161	2152	2151	271	303	299	290	289	12.7%	14.0%	13.8%	13.5%	13.4%	0	32	28	28	19	18	
	10:00	1644	169	108	1921	1951	1948	1940	1938	277	307	304	296	294	14.4%	15.7%	15.6%	15.2%	15.2%	0	30	27	27	19	17	
	11:00	1639	151	109	1899	1931	1928	1919	1917	260	292	289	280	278	13.7%	15.1%	15.0%	14.6%	14.5%	0	32	29	29	20	18	
	12:00	1666	138	111	1915	1942	1940	1934	1932	249	276	274	268	266	13.0%	14.2%	14.1%	13.8%	13.8%	0	27	25	25	19	17	
	13:00	1712	144	117	1972	2000	1997	1992	1990	261	289	286	281	279	13.2%	14.4%	14.3%	14.1%	14.0%	0	28	25	25	20	18	
	14:00	2118	168	107	2392	2419	2415	2409	2408	275	302	298	292	291	11.5%	12.5%	12.3%	12.1%	12.1%	0	27	23	23	17	16	
	15:00	2778	205	107	3090	3108	3106	3106	3104	312	330	328	328	326	10.1%	10.6%	10.5%	10.5%	10.5%	0	18	16	16	16	14	
	16:00	3196	152	88	3436	3447	3445	3449	3447	240	251	249	253	251	7.0%	7.3%	7.2%	7.3%	7.3%	0	11	9	9	13	11	
	17:00	3319	118	64	3501	3503	3503	3511	3510	182	184	184	192	191	5.2%	5.2%	5.2%	5.5%	5.4%	0	2	2	2	10	9	
	18:00	2558	75	50	2683	2683	2683	2689	2689	125	125	125	125	131	4.7%	4.7%	4.7%	4.9%	4.9%	0	0	0	0	6	6	
	19:00	1941	55	52	2048	2049	2049	2055	2055	107	108	108	114	114	5.2%	5.3%	5.3%	5.6%	5.6%	0	1	1	1	7	7	
	20:00	1274	35	46	1355	1356	1356	1361	1361	81	82	82	87	87	6.0%	6.1%	6.1%	6.4%	6.4%	0	1	1	1	6	6	
	21:00	973	23	39	1035	1036	1036	1041	1040	62	63	63	68	67	6.0%	6.1%	6.1%	6.6%	6.5%	0	1	1	1	6	5	
	22:00	678	19	45	742	743	743	747	748	64	65	65	69	70	8.7%	8.8%	8.8%	9.3%	9.4%	0	1	1	1	5	6	
	23:00	440	10	44	494	494	494	499	500	54	54	54	59	60	11.0%	11.0%	11.0%	11.9%	12.1%	0	0	0	0	5	6	
	Daily	34453	2134	1750	38337	38649	38617	38609	38606	3884	4196	4164	4156	4153	10.1%	10.8%	10.8%	10.8%	10.8%	0	312	280	272	269		
	% CT of HV														0.0%	7.4%	6.7%	6.5%	6.5%							
	Day (6am-10pm)	31195	1931	1322	34448	34716	34687	34665	34646	3253	3521	3492	3470	3451	9.4%	10.1%	10.1%	10.0%	10.0%	0	268	239	217	198		
	% CT of HV														0.0%	7.6%	6.8%	6.3%	5.7%							
	Night (10pm-7am)	3258	203	428	3889	3933	3930	3944	3960	631	675	672	686	702	16.2%	17.2%	17.1%	17.4%	17.7%	0	44	41	55	71		
	% CT of HV														0.0%	6.5%	6.1%	8.0%	10.1%							

		2008 Average Weekday																								
		3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)										% Heavy Vehicles Including Coal														
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Trucks					Coal Trucks Only				
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
							Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7
Northbound (from PKT)	0:00	116	8	35	159	159	97	164	165	43	43	43	48	49	27.2%	27.2%	27.2%	29.4%	29.9%	29.9%	0	0	0	0	5	6
	1:00	59	6	32	97	97	102	103	103	38	38	38	43	44	39.4%	39.4%	39.4%	42.9%	42.9%	42.9%	0	0	0	0	5	6
	2:00	52	16	32	100	100	104	106	104	48	48	48	52	54	48.2%	48.2%	48.2%	50.2%	51.1%	51.1%	0	0	0	0	4	6
	3:00	92	24	67	183	184	184	186	188	91	92	92	94	96	49.8%	49.8%	50.1%	50.6%	51.2%	51.2%	0	1	1	1	3	5
	4:00	314	39	78	431	432	432	435	437	117	118	118	121	123	27.2%	27.2%	27.4%	27.9%	28.2%	28.2%	0	1	1	1	4	6
	5:00	1094	79	80	1253	1255	1255	1260	1262	159	161	161	166	168	12.7%	12.7%	12.9%	13.2%	13.3%	13.3%	0	2	2	2	7	9
	6:00	2055	141	93	2288	2299	2297	2297	2300	234	245	243	243	246	10.2%	10.6%	10.6%	10.7%	10.7%	10.7%	0	11	9	9	9	12
	7:00	2641	221	106	2968	3008	3006	2987	2988	327	367	365	346	347	11.0%	12.2%	12.1%	11.6%	11.6%	11.6%	0	40	38	19	20	20
	8:00	3686	204	113	4003	4030	4027	4021	4020	317	344	341	335	334	7.9%	8.3%	8.5%	8.3%	8.3%	8.3%	0	27	24	18	17	17
	9:00	2444	179	135	2758	2786	2782	2777	2776	314	342	338	333	332	11.4%	12.3%	12.1%	12.0%	11.9%	11.9%	0	28	24	19	18	18
	10:00	1722	165	130	2017	2049	2046	2036	2035	295	327	324	314	313	14.6%	15.9%	15.8%	15.4%	15.4%	15.4%	0	32	29	19	18	18
	11:00	1619	161	118	1898	1928	1925	1917	1915	279	309	306	298	296	14.7%	16.0%	15.9%	15.5%	15.4%	15.4%	0	30	27	19	17	17
	12:00	1674	157	91	1922	1954	1951	1943	1941	248	280	277	269	267	12.9%	14.3%	14.2%	13.8%	13.7%	13.7%	0	32	29	21	19	19
	13:00	1744	155	106	2004	2030	2028	2022	2020	261	287	285	279	277	13.0%	14.1%	14.0%	13.8%	13.7%	13.7%	0	26	24	18	16	16
	14:00	1914	188	77	2178	2208	2204	2198	2196	265	295	291	285	283	12.1%	13.3%	13.2%	12.9%	12.9%	12.9%	0	30	26	20	18	18
	15:00	2642	172	77	2891	2916	2913	2908	2907	249	274	271	266	265	8.6%	9.4%	9.3%	9.1%	9.1%	9.1%	0	25	22	17	16	16
	16:00	2707	138	73	2918	2932	2930	2933	2930	211	225	223	226	223	7.2%	7.7%	7.6%	7.7%	7.6%	7.6%	0	14	12	15	12	12
	17:00	2752	89	61	2902	2910	2909	2915	2913	150	158	157	163	161	5.2%	5.4%	5.4%	5.6%	5.5%	5.5%	0	8	7	13	11	11
	18:00	1921	72	55	2048	2049	2049	2056	2056	127	128	128	135	135	6.2%	6.3%	6.3%	6.6%	6.6%	6.6%	0	1	1	8	8	8
	19:00	1229	34	36	1299	1299	1299	1305	1305	70	70	70	76	76	5.4%	5.4%	5.4%	5.8%	5.8%	5.8%	0	0	0	6	6	6
	20:00	856	17	44	917	918	918	924	924	61	62	62	68	68	6.7%	6.8%	6.8%	7.4%	7.4%	7.4%	0	1	1	7	7	7
	21:00	676	17	40	733	734	734	740	738	57	58	58	64	62	7.8%	7.9%	7.9%	8.7%	8.4%	8.4%	0	1	1	7	5	5
	22:00	491	12	42	545	546	546	549	550	54	55	55	58	59	10.0%	10.1%	10.1%	10.6%	10.8%	10.8%	0	1	1	4	5	5
23:00	286	10	37	333	334	334	338	339	47	48	48	52	53	14.2%	14.4%	14.4%	15.5%	15.7%	15.7%	0	1	1	5	6	6	
Daily	34784	2304	1757	38845	39157	39125	39117	39114	4061	4373	4341	4333	4330	10.5%	11.2%	11.1%	11.1%	11.1%	11.1%	0	312	280	272	269	269	
															0.0%	7.1%	6.4%	6.3%	6.2%	6.2%						
	% CT of HV																									
	Day (6am-10pm)	30226	1969	1259	33454	33749	33680	33662	3228	3523	3493	3454	3436	9.6%	10.4%	10.4%	10.3%	10.2%	10.2%	0	295	265	226	208	208	
	% CT of HV														0.0%	8.4%	7.6%	6.5%	6.1%	6.1%						
	Night (10pm-7am)	4558	335	498	5391	5408	5406	5437	833	850	848	879	894	15.5%	15.7%	15.7%	16.2%	16.4%	16.4%	0	17	15	46	61	61	
	% CT of HV														0.0%	2.0%	1.8%	5.2%	6.8%	6.8%						

Direction	2008 Average Weekday																										
	3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)																										
	Base Volumes			Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks													
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H									
Two-Way	Time	373	18	75	466	466	476	478	93	93	93	103	105	19.9%	19.9%	19.9%	21.6%	21.9%	4mtpa @ 24/7	0	0	0	0	0	10	12	
																				4mtpa @ 24/7&15/5-10/2	0	0	0	0	0	10	11
		172	15	69	256	256	265	267	84	84	84	93	95	32.8%	32.8%	32.8%	35.0%	35.5%	4mtpa @ 11/6	0	0	0	0	0	9	11	
		118	24	67	209	210	217	221	91	92	92	99	103	43.5%	43.5%	43.7%	45.6%	46.5%	4mtpa @ 24/7&15/5-10/2	0	1	1	1	1	8	12	
		156	33	94	283	285	289	293	127	129	129	133	137	44.8%	44.8%	45.2%	46.0%	46.7%	4mtpa @ 11/6	0	2	2	2	2	6	10	
		416	53	117	586	589	597	601	170	173	173	181	185	29.0%	29.3%	29.3%	30.3%	30.8%	4mtpa @ 24/7	0	3	3	3	3	11	15	
		1439	110	156	1705	1711	1720	1724	266	272	272	281	285	15.6%	15.6%	15.9%	16.3%	16.5%	4mtpa @ 24/7&15/5-10/2	0	6	6	6	6	15	19	
		3247	234	181	3662	3708	3703	3685	3692	415	461	456	438	445	11.3%	12.4%	12.3%	11.9%	12.1%	4mtpa @ 11/6	0	46	41	46	41	23	30
		4555	376	210	5141	5211	5206	5180	5179	586	656	651	625	624	11.4%	12.6%	12.5%	12.1%	12.1%	4mtpa @ 24/7	0	70	65	70	65	39	38
		6288	385	225	6898	6953	6947	6935	610	665	647	645	647	645	8.8%	9.6%	9.5%	9.3%	9.3%	4mtpa @ 24/7&15/5-10/2	0	55	49	55	49	37	35
		4306	341	243	4890	4950	4942	4928	584	644	636	622	620	620	11.9%	13.0%	12.9%	12.6%	12.6%	4mtpa @ 11/6	0	60	52	60	52	38	36
		3366	334	237	3937	3999	3993	3975	571	633	627	609	606	606	14.5%	15.8%	15.7%	15.3%	15.3%	4mtpa @ 24/7	0	62	56	62	56	38	35
		3258	312	226	3796	3858	3852	3835	3831	538	600	594	577	573	14.2%	15.6%	15.4%	15.1%	15.0%	4mtpa @ 11/6	0	62	56	62	56	39	35
		3340	295	201	3836	3895	3890	3876	3872	496	555	550	536	532	12.9%	14.3%	14.1%	13.8%	13.7%	4mtpa @ 24/7&15/5-10/2	0	59	54	59	54	40	36
		3455	299	222	3976	4030	4025	4014	4010	521	575	570	559	555	13.1%	14.3%	14.2%	13.9%	13.8%	4mtpa @ 24/7	0	54	49	54	49	38	34
		4031	356	183	4570	4627	4619	4607	4604	539	596	588	576	573	11.8%	12.9%	12.7%	12.5%	12.4%	4mtpa @ 11/6	0	57	49	57	49	37	34
		5420	377	183	5980	6023	6018	6013	6010	560	603	598	593	590	9.4%	10.0%	9.9%	9.9%	9.8%	4mtpa @ 24/7	0	43	38	43	38	33	30
		5903	290	160	6353	6378	6374	6381	6376	450	475	471	478	473	7.1%	7.5%	7.4%	7.5%	7.4%	4mtpa @ 24/7&15/5-10/2	0	25	21	25	21	28	23
		6071	207	124	6402	6412	6411	6425	6422	331	341	340	354	351	5.2%	5.3%	5.3%	5.5%	5.5%	4mtpa @ 11/6	0	10	9	10	9	23	20
		4479	147	106	4732	4733	4733	4746	4746	253	254	254	267	267	5.3%	5.4%	5.4%	5.6%	5.6%	4mtpa @ 24/7	0	1	1	1	1	14	14
		3170	89	89	3348	3349	3349	3361	3361	178	179	179	191	191	5.3%	5.3%	5.3%	5.7%	5.7%	4mtpa @ 11/6	0	1	1	1	1	13	13
		2130	52	91	2273	2275	2275	2286	2286	143	145	145	156	156	6.3%	6.4%	6.4%	6.8%	6.8%	4mtpa @ 24/7&15/5-10/2	0	2	2	2	2	13	13
		1648	40	80	1768	1770	1770	1781	1778	120	122	122	133	130	6.8%	6.9%	6.9%	7.4%	7.3%	4mtpa @ 11/6	0	2	2	2	2	13	10
		1168	31	88	1287	1289	1289	1296	1298	119	121	121	128	130	9.2%	9.4%	9.4%	9.8%	10.0%	4mtpa @ 24/7	0	2	2	2	2	9	11
726	20	82	828	829	829	838	840	102	103	103	112	114	12.3%	12.4%	12.4%	13.3%	13.5%	4mtpa @ 11/6	0	1	1	1	1	10	12		
69236	4438	3508	77182	77806	77742	77726	77720	7946	8570	8506	8490	8484	10.3%	11.0%	10.9%	10.9%	10.9%	4mtpa @ 24/7	0	624	560	624	560	544	538		
% CT of HV														0.0%	7.3%	6.6%	6.4%	6.3%	4mtpa @ 24/7&15/5-10/2								
Day (6am-10pm)	3900	2581	67901	68464	68405	68344	68307	6481	7044	6985	6924	6887	9.5%	10.3%	10.2%	10.1%	10.1%	4mtpa @ 24/7	0	563	504	563	504	443	406		
% CT of HV														0.0%	8.0%	7.2%	6.4%	5.9%	4mtpa @ 11/6								
Night (10pm-7am)	7816	538	927	9281	9342	9382	9413	1465	1526	1521	1566	1597	15.8%	16.3%	16.3%	16.7%	17.0%	4mtpa @ 24/7	0	61	56	61	56	101	132		
% CT of HV														0.0%	4.0%	3.7%	6.4%	8.3%	4mtpa @ 24/7								

2008 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



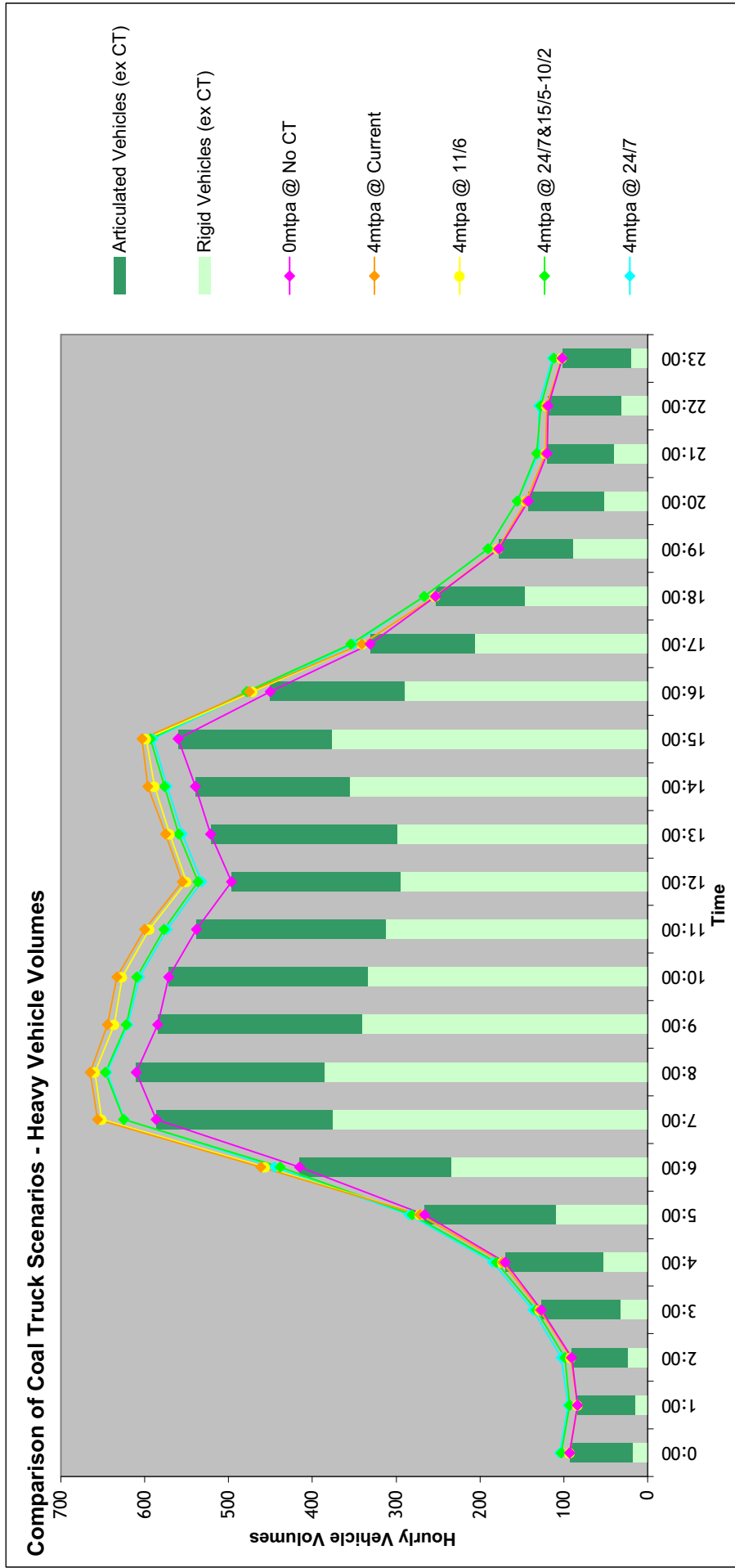
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



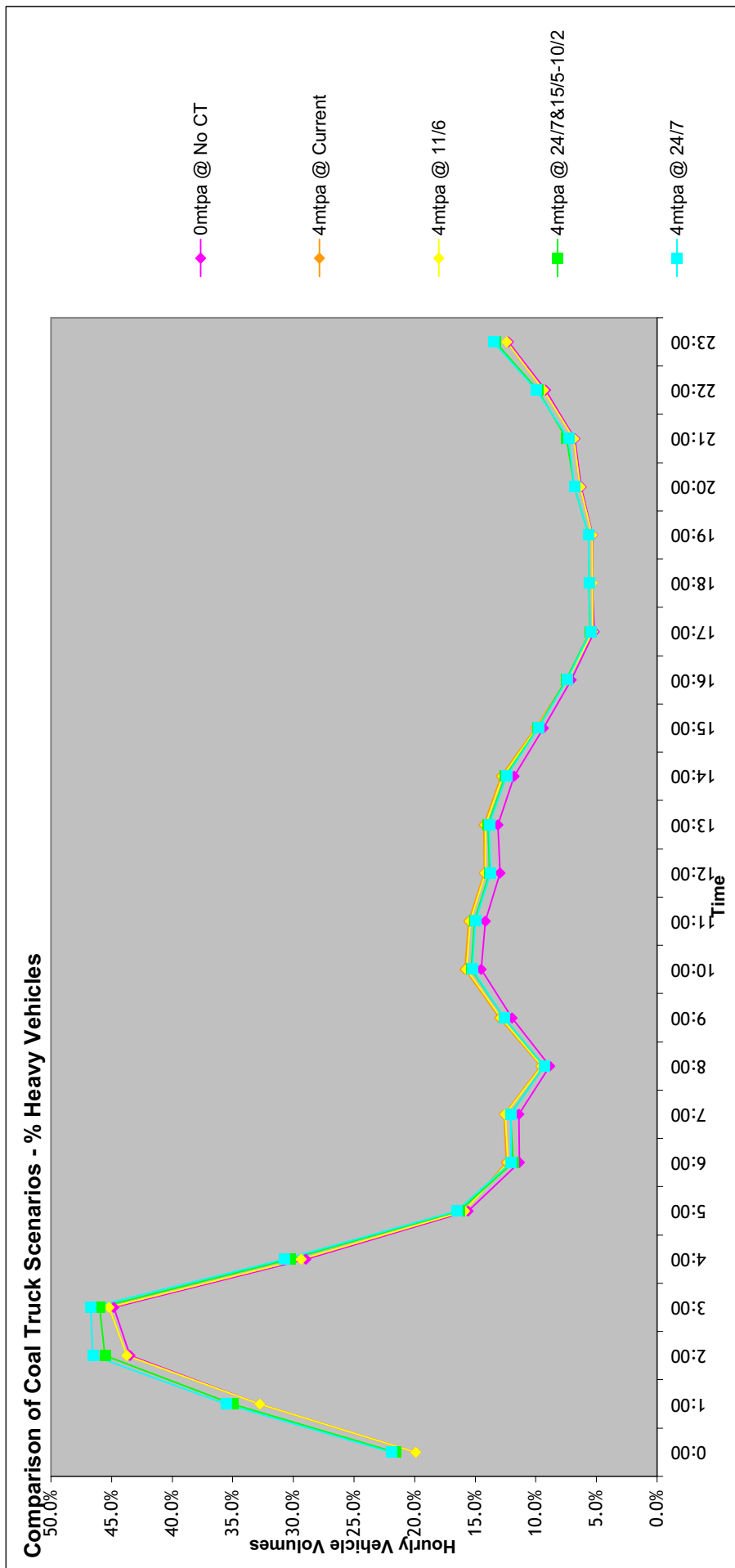
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e., rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

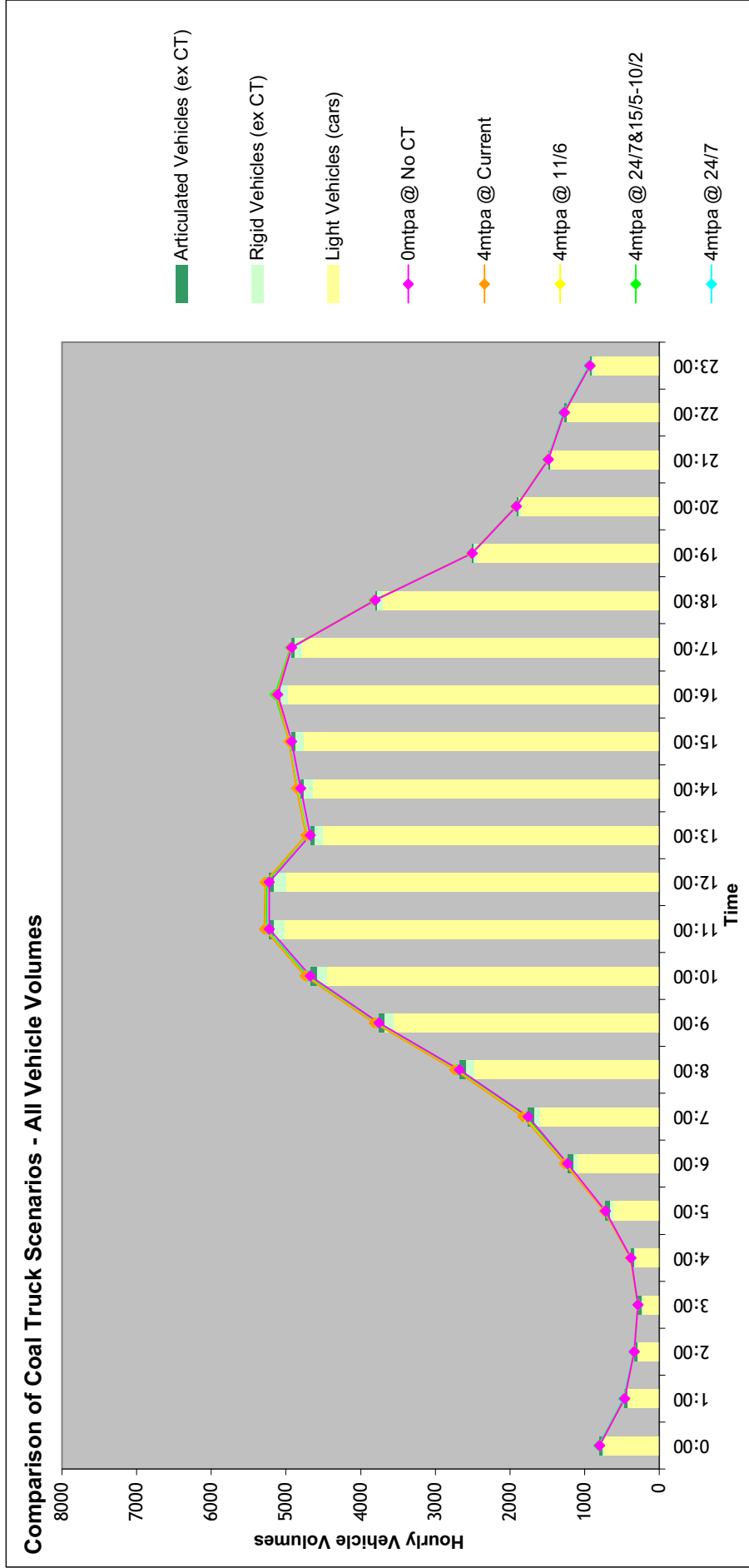
Direction		2008 Average Weekend																									
		3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)										% Heavy Vehicles Including Coal															
		Base Volumes					Total Vehicles Including Coal Trucks					Trucks					Coal Trucks Only										
Time	Direction	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
					Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15/5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15/5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15/5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15/5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6
0:00		467	9	27	503	503	503	507	509	36	36	36	40	42	7.2%	7.2%	7.2%	8.0%	8.3%	0	0	0	0	4	6		
1:00		271	5	20	296	296	296	300	302	25	25	25	29	31	8.6%	8.6%	8.6%	9.8%	10.4%	0	0	0	0	4	6		
2:00		181	5	21	207	208	208	208	209	26	27	27	27	28	12.7%	13.1%	13.1%	13.6%	13.6%	0	1	1	1	1	2		
3:00		117	5	19	141	142	144	144	145	24	25	25	27	28	17.2%	17.8%	17.8%	19.0%	19.5%	0	1	1	1	3	4		
4:00		140	6	19	165	167	167	169	170	25	27	27	29	30	15.3%	16.4%	16.4%	17.3%	17.8%	0	2	2	2	4	5		
5:00		248	14	30	292	298	297	299	300	44	50	49	51	52	15.2%	16.9%	16.6%	17.2%	17.5%	0	6	5	7	8			
6:00		475	28	29	531	563	558	544	550	57	89	84	70	76	10.7%	15.7%	15.0%	12.8%	13.7%	0	32	27	13	19			
7:00		747	32	38	817	851	846	830	836	70	104	99	83	89	8.5%	12.2%	11.7%	10.0%	10.6%	0	34	29	13	19			
8:00		1222	51	34	1307	1339	1335	1328	1327	85	117	113	106	105	6.5%	8.7%	8.4%	7.9%	7.9%	0	32	28	21	20			
9:00		1801	62	46	1909	1943	1940	1930	1928	108	142	139	129	127	5.6%	7.3%	7.1%	6.7%	6.6%	0	34	31	21	19			
10:00		2349	81	47	2477	2510	2507	2498	2495	128	161	158	149	146	5.2%	6.4%	6.3%	5.9%	5.8%	0	33	30	21	18			
11:00		2630	67	25	2722	2754	2751	2743	2741	92	124	121	113	111	3.4%	4.5%	4.4%	4.1%	4.0%	0	32	29	21	19			
12:00		2539	74	35	2648	2678	2675	2667	2666	109	139	136	128	127	4.1%	5.2%	5.1%	4.8%	4.7%	0	30	27	19	18			
13:00		2100	55	29	2183	2212	2209	2204	2204	84	113	110	105	105	3.8%	5.1%	5.0%	4.7%	4.7%	0	29	26	21	21			
14:00		2098	65	28	2190	2215	2213	2208	2207	93	118	116	111	110	4.2%	5.3%	5.2%	5.0%	5.0%	0	25	23	18	17			
15:00		2081	50	27	2158	2170	2169	2175	2172	77	89	88	94	91	3.6%	4.1%	4.0%	4.3%	4.2%	0	12	11	17	14			
16:00		2022	45	20	2087	2092	2092	2102	2100	65	70	70	80	78	3.1%	3.3%	3.3%	3.8%	3.7%	0	5	5	15	13			
17:00		1965	43	19	2027	2029	2029	2034	2034	62	64	64	69	69	3.0%	3.1%	3.1%	3.4%	3.4%	0	2	2	7	7			
18:00		1664	32	9	1705	1705	1705	1709	1710	41	41	41	45	46	2.4%	2.4%	2.4%	2.7%	2.7%	0	0	0	4	5			
19:00		1126	17	7	1150	1151	1151	1153	1154	24	25	25	27	28	2.1%	2.2%	2.2%	2.4%	2.5%	0	1	1	3	4			
20:00		875	22	14	911	912	912	915	916	36	37	37	40	41	4.0%	4.1%	4.1%	4.4%	4.5%	0	1	1	4	5			
21:00		741	11	6	758	759	759	761	762	17	18	18	20	21	2.3%	2.4%	2.4%	2.7%	2.8%	0	1	1	3	4			
22:00		683	10	15	708	708	708	712	714	25	25	25	29	31	3.6%	3.6%	3.6%	4.1%	4.4%	0	0	0	4	6			
23:00		494	17	9	520	520	520	526	528	26	26	26	32	34	5.1%	5.1%	5.1%	6.1%	6.5%	0	0	0	6	8			
Daily		29034	806	572	30412	30725	30692	30666	30679	1378	1691	1658	1632	1645	4.5%	5.5%	5.4%	5.3%	5.4%	0	313	280	254	267			
% CT of HV															0.0%	18.5%	16.9%	15.6%	16.2%								
Day (6am-10pm)		25959	707	381	27047	27318	27291	27255	27250	1088	1359	1332	1296	1291	4.0%	5.0%	4.9%	4.8%	4.7%	0	271	244	208	203			
% CT of HV															0.0%	19.9%	18.3%	16.0%	15.7%								
Night (10pm-7am)		3075	99	191	3365	3407	3401	3411	3429	290	332	326	336	354	8.6%	9.8%	9.6%	9.9%	10.3%	0	42	36	46	64			
% CT of HV															0.0%	12.6%	11.0%	13.7%	18.1%								

Direction		2008 Average Weekend																													
		3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																													
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H				
Time		274	6	14	294	294	294	294	300	302	302	20	20	20	26	28	28	6.9%	6.9%	6.9%	8.8%	9.4%	0	0	0	0	0	4mtpa @ 24/7			
0:00	148	3	17	168	168	168	168	172	174	174	20	20	20	24	26	26	12.1%	12.1%	12.1%	14.1%	15.1%	0	0	0	0	0	4mtpa @ 24/7&15-5-10/2				
1:00	101	5	21	127	127	127	127	130	131	131	26	26	26	29	30	30	20.7%	20.7%	20.7%	22.5%	23.1%	0	0	0	0	0	4mtpa @ 11/6				
2:00	106	8	27	141	142	142	142	142	142	143	35	36	36	36	37	37	25.0%	25.6%	25.6%	25.6%	26.1%	0	1	1	1	1	4mtpa @ Current				
3:00	175	13	26	214	215	215	215	217	218	218	39	40	40	42	43	43	18.4%	18.7%	18.7%	19.5%	19.9%	0	1	1	1	1	4mtpa @ No CT				
4:00	375	21	36	432	436	436	436	437	438	438	57	61	60	62	63	63	13.3%	14.1%	13.9%	14.3%	14.5%	0	4	3	5	6	4mtpa @ 24/7				
5:00	621	31	43	694	706	703	701	705	705	705	74	86	83	81	85	85	10.6%	12.1%	11.7%	11.5%	12.0%	0	12	9	7	11	4mtpa @ 24/7&15-5-10/2				
6:00	855	46	38	939	976	971	955	961	961	961	84	121	116	100	106	106	8.9%	12.4%	11.9%	10.4%	11.0%	0	37	32	16	22	4mtpa @ 11/6				
7:00	1259	65	46	1370	1401	1397	1385	1387	1387	1387	111	142	138	126	128	128	10.1%	10.1%	9.9%	9.1%	9.2%	0	31	27	15	17	4mtpa @ Current				
8:00	1758	60	29	1847	1879	1875	1869	1867	1867	1867	89	121	117	111	109	109	4.8%	6.4%	6.2%	5.9%	5.8%	0	32	28	22	20	4mtpa @ No CT				
9:00	2094	64	41	2199	2233	2231	2219	2218	2218	2218	105	139	137	125	124	124	4.8%	6.2%	6.1%	5.6%	5.6%	0	34	32	20	19	4mtpa @ 24/7&15-5-10/2				
10:00	2397	67	36	2500	2532	2528	2521	2519	2519	2519	103	135	131	124	122	122	4.1%	5.3%	5.2%	4.9%	4.8%	0	32	28	21	19	4mtpa @ 11/6				
11:00	2465	80	29	2574	2607	2605	2594	2592	2592	2592	109	142	140	129	127	127	4.2%	5.4%	5.4%	5.0%	4.9%	0	33	31	20	18	4mtpa @ Current				
12:00	2408	65	20	2492	2520	2517	2512	2511	2511	2511	85	113	110	105	104	104	3.4%	4.5%	4.4%	4.2%	4.1%	0	28	25	20	19	4mtpa @ No CT				
13:00	2539	56	21	2615	2645	2641	2636	2636	2636	2636	77	107	103	98	98	98	2.9%	4.0%	3.9%	3.7%	3.7%	0	30	26	21	21	4mtpa @ 24/7				
14:00	2686	57	27	2770	2791	2790	2787	2784	2784	2784	84	105	104	101	98	98	3.0%	3.7%	3.7%	3.6%	3.5%	0	21	20	17	14	4mtpa @ 11/6				
15:00	2959	49	19	3027	3035	3035	3044	3041	3041	3041	68	76	76	85	82	82	2.2%	2.5%	2.5%	2.8%	2.7%	0	8	8	17	14	4mtpa @ Current				
16:00	2821	53	21	2895	2900	2900	2908	2907	2907	2907	74	79	79	87	86	86	2.5%	2.7%	2.7%	3.0%	2.9%	0	5	5	13	12	4mtpa @ No CT				
17:00	2048	42	11	2101	2102	2102	2106	2107	2107	2107	53	54	54	58	59	59	2.5%	2.6%	2.6%	2.8%	2.8%	0	1	1	5	6	4mtpa @ 24/7&15-5-10/2				
18:00	1323	24	10	1357	1357	1357	1360	1361	1361	1361	34	34	34	37	38	38	2.5%	2.5%	2.5%	2.7%	2.8%	0	0	0	3	4	4mtpa @ 11/6				
19:00	972	20	11	1003	1004	1004	1007	1008	1008	1008	31	32	32	35	36	36	3.1%	3.2%	3.2%	3.5%	3.6%	0	1	1	4	5	4mtpa @ Current				
20:00	708	12	10	730	731	731	733	734	734	734	22	23	23	25	26	26	3.1%	3.2%	3.2%	3.5%	3.6%	0	1	1	3	4	4mtpa @ No CT				
21:00	546	7	9	562	563	563	566	568	568	568	16	17	17	20	22	22	2.9%	3.1%	3.1%	3.6%	3.9%	0	1	1	4	6	4mtpa @ 24/7&15-5-10/2				
22:00	386	6	12	404	404	404	408	410	410	410	18	18	18	22	24	24	4.5%	4.5%	4.5%	5.5%	5.9%	0	0	0	4	6	4mtpa @ 11/6				
23:00	32022	860	573	33455	33768	33735	33709	33722	33722	33722	1433	1746	1713	1687	1700	1700	4.3%	5.2%	5.1%	5.0%	5.0%	0	313	280	254	267	4mtpa @ 24/7				
Daily	% CT of HV																0.0%	17.9%	16.3%	15.1%	15.7%	0	0	0	0	0	4mtpa @ 24/7				
Day (6am-10pm)	% CT of HV																3.7%	4.6%	4.5%	4.4%	4.4%	0	294	265	217	214	4mtpa @ 11/6				
Night (10pm-7am)	% CT of HV																0.0%	20.7%	19.1%	16.2%	16.0%	0	19	15	37	53	4mtpa @ Current				
	% CT of HV																10.1%	10.7%	10.6%	11.2%	11.7%	0	19	15	37	53	4mtpa @ No CT				

Direction		2008 Average Weekend																												
		3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																												
Time		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks										
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
Two-Way		0:00	741	15	42	798	798	798	808	812	812	57	57	57	67	71	71	71	7.1%	7.1%	7.1%	8.3%	8.7%	0	0	0	10	14	4mtpa @ 24/7	
		1:00	419	8	38	465	465	465	473	477	477	46	46	46	54	58	58	58	9.8%	9.8%	9.8%	11.4%	12.1%	0	0	0	0	8	12	4mtpa @ 24/7&15-5-10/2
		2:00	282	10	43	335	336	336	339	341	341	53	54	54	57	59	59	59	15.8%	16.0%	16.0%	16.8%	17.2%	0	1	1	4	6	4mtpa @ 11/6	
		3:00	223	13	47	283	285	285	287	289	289	60	62	62	64	66	66	66	21.1%	21.7%	21.7%	22.2%	22.8%	0	2	2	4	6	4mtpa @ Current	
		4:00	315	19	46	380	383	383	387	389	389	65	68	68	72	74	74	74	17.1%	17.7%	17.7%	18.6%	19.0%	0	3	3	7	9	4mtpa @ No CT	
		5:00	622	35	67	724	734	734	736	738	738	102	112	112	114	116	116	116	14.1%	15.2%	15.2%	15.5%	15.7%	0	10	8	12	14	4mtpa @ 24/7	
		6:00	1095	59	71	1225	1269	1261	1245	1255	1255	130	174	166	150	160	160	160	10.6%	13.7%	13.2%	12.1%	12.8%	0	44	36	20	30	4mtpa @ 24/7&15-5-10/2	
		7:00	1602	78	75	1755	1826	1816	1784	1796	1796	153	224	214	182	194	182	194	8.7%	12.3%	11.8%	10.2%	10.8%	0	71	61	29	41	4mtpa @ Current	
		8:00	2481	116	79	2676	2739	2731	2712	2713	2713	195	258	250	231	232	232	232	7.3%	9.4%	9.2%	8.5%	8.6%	0	63	55	36	37	4mtpa @ No CT	
		9:00	3559	122	74	3755	3821	3814	3798	3794	3794	196	262	255	239	235	235	235	5.2%	6.9%	6.7%	6.3%	6.2%	0	66	59	43	39	4mtpa @ 11/6	
		10:00	4443	145	87	4675	4742	4737	4716	4712	4712	232	299	294	273	269	269	269	5.0%	6.3%	6.2%	5.8%	5.7%	0	67	62	41	37	4mtpa @ Current	
		11:00	5027	134	60	5221	5285	5278	5263	5259	5259	194	258	251	236	232	232	232	3.7%	4.9%	4.8%	4.5%	4.4%	0	64	57	42	38	4mtpa @ No CT	
		12:00	5004	154	63	5221	5284	5279	5260	5257	5257	217	280	275	256	253	253	253	4.2%	5.3%	5.2%	4.9%	4.8%	0	63	58	39	36	4mtpa @ 11/6	
		13:00	4507	120	48	4675	4732	4726	4716	4715	4715	168	225	219	209	208	208	208	3.6%	4.8%	4.6%	4.4%	4.4%	0	57	51	41	40	4mtpa @ Current	
		14:00	4636	121	48	4805	4860	4854	4844	4843	4843	169	224	218	208	207	207	207	3.5%	4.6%	4.5%	4.3%	4.3%	0	55	49	39	38	4mtpa @ No CT	
		15:00	4767	107	53	4927	4960	4958	4961	4955	4955	160	193	191	194	188	188	188	3.3%	3.9%	3.9%	3.9%	3.8%	0	33	31	34	28	4mtpa @ 24/7	
		16:00	4981	94	38	5113	5126	5126	5145	5140	5140	132	145	145	164	159	159	159	2.6%	2.8%	2.8%	3.2%	3.1%	0	13	13	32	27	4mtpa @ 24/7&15-5-10/2	
		17:00	4786	96	39	4921	4928	4928	4941	4940	4940	135	142	142	142	155	154	154	2.7%	2.9%	2.9%	3.1%	3.1%	0	7	7	20	19	4mtpa @ Current	
		18:00	3712	74	21	3807	3808	3808	3816	3818	3818	95	96	96	104	106	106	106	2.5%	2.5%	2.5%	2.7%	2.8%	0	1	1	9	11	4mtpa @ No CT	
		19:00	2449	41	18	2508	2509	2509	2514	2516	2516	59	60	60	65	67	67	67	2.3%	2.4%	2.4%	2.6%	2.6%	0	1	1	6	8	4mtpa @ 11/6	
		20:00	1847	42	26	1915	1917	1917	1923	1925	1925	68	70	70	76	78	78	78	3.5%	3.6%	3.6%	3.9%	4.0%	0	2	2	8	10	4mtpa @ Current	
		21:00	1448	23	17	1488	1490	1490	1494	1496	1496	40	42	42	46	48	48	48	2.7%	2.8%	2.8%	3.1%	3.2%	0	2	2	6	8	4mtpa @ No CT	
		22:00	1228	17	25	1270	1271	1271	1278	1282	1282	42	43	43	50	54	54	54	3.3%	3.4%	3.4%	3.9%	4.2%	0	1	1	8	12	4mtpa @ 24/7	
		23:00	880	23	22	925	925	925	935	939	939	45	45	45	55	59	59	59	4.8%	4.8%	4.8%	5.8%	6.2%	0	0	0	0	10	14	4mtpa @ 11/6
Daily	61055	1666	1146	63867	64493	64427	64375	64401	64401	2812	3438	3372	3320	3346	3346	3346	4.4%	5.3%	5.2%	5.2%	5.2%	0	626	560	508	534	4mtpa @ No CT			
% CT of HV																	0.0%	18.2%	16.6%	15.3%	16.0%									
Day (6am-10pm)	55250	1467	747	57463	58028	57972	57888	57880	57880	2214	2779	2723	2639	2631	2631	2631	3.9%	4.8%	4.7%	4.6%	4.5%	0	565	509	425	417	4mtpa @ 24/7&15-5-10/2			
% CT of HV																	0.0%	20.3%	18.7%	16.1%	15.9%									
Night (10pm-7am)	5806	199	399	6404	6465	6465	6487	6521	6521	598	659	649	681	715	715	715	9.3%	10.2%	10.1%	10.5%	11.0%	0	61	51	83	117	4mtpa @ Current			
% CT of HV																	0.0%	9.3%	7.9%	12.2%	16.4%									

2008 Average Weekend

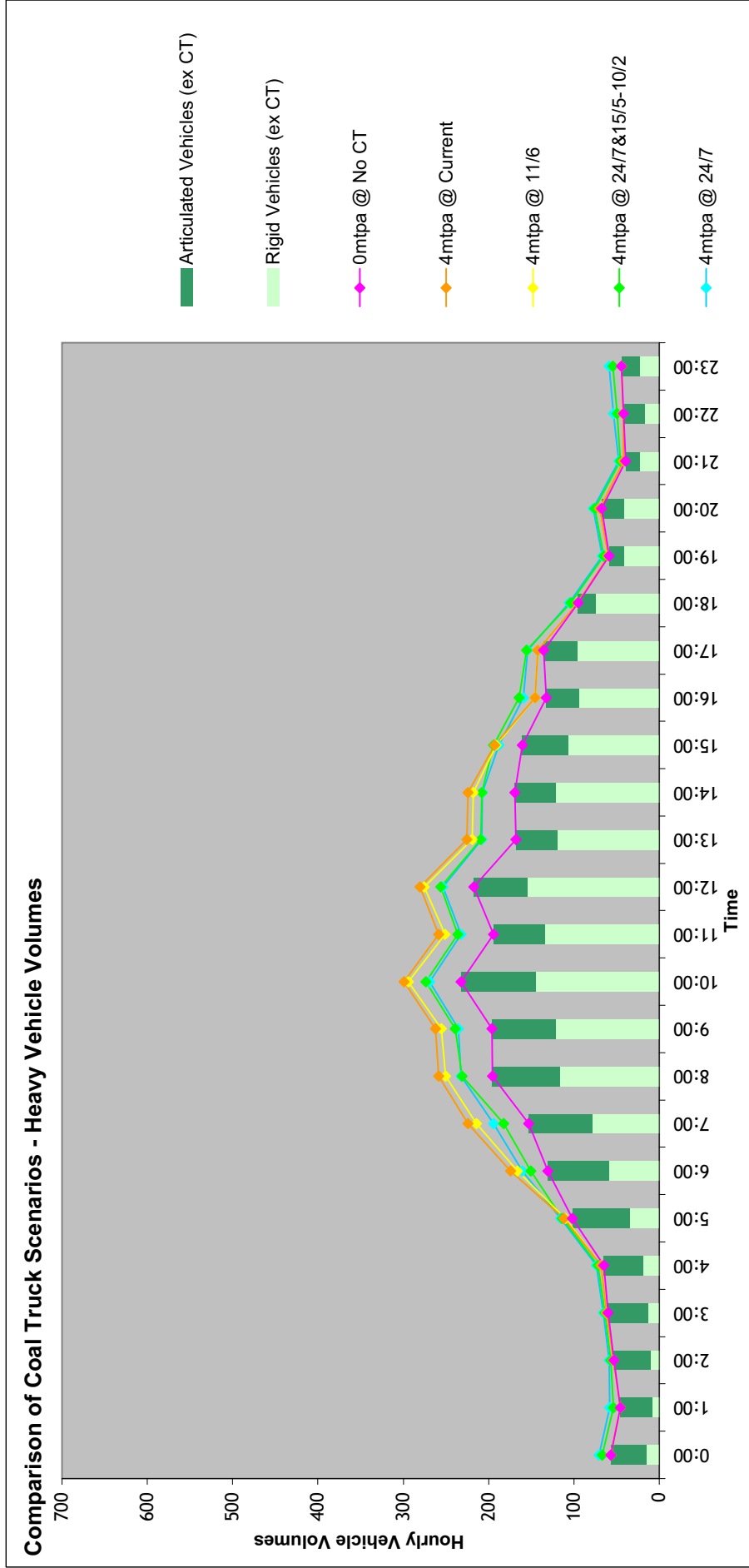
3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

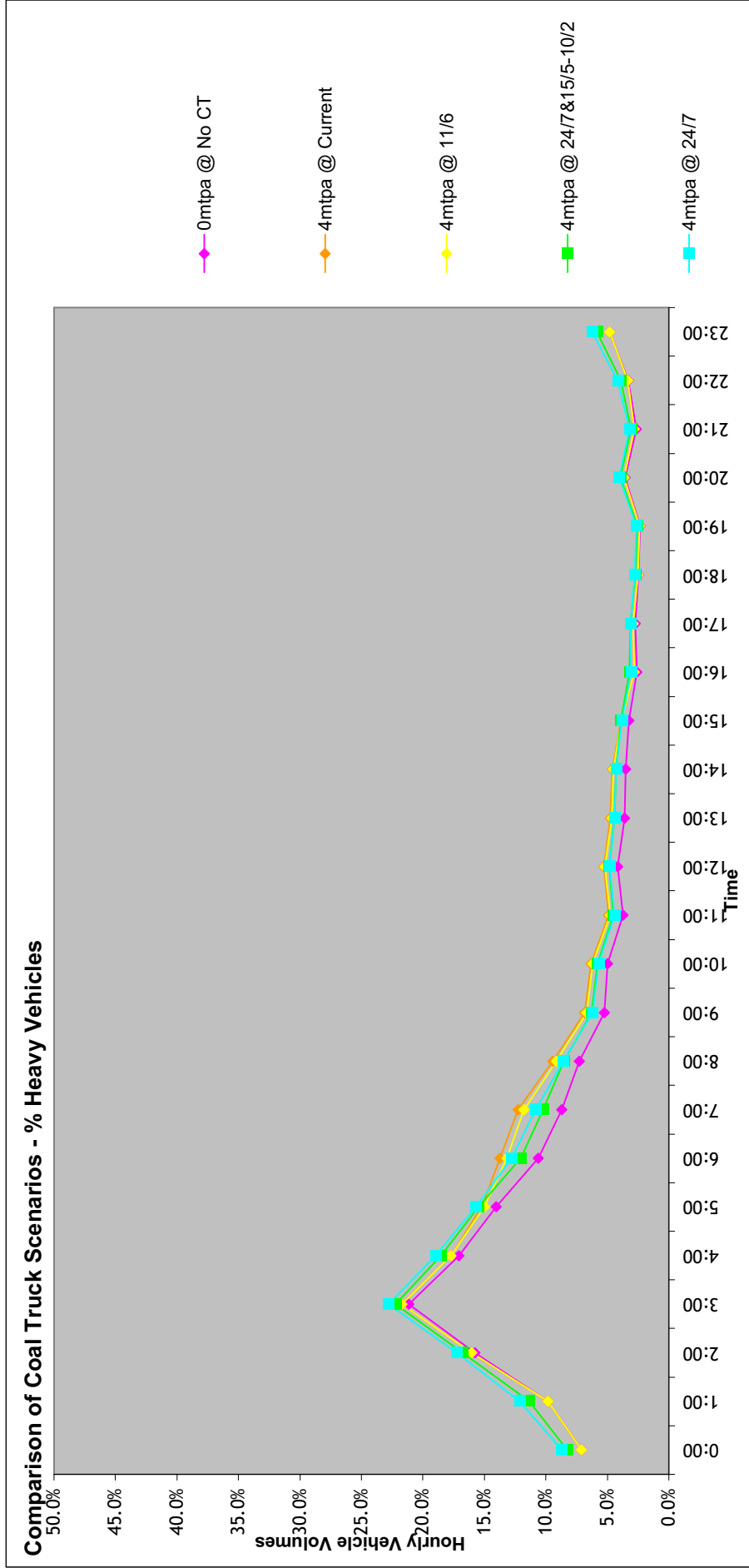
3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

Direction		2008 Average Weekday																												
		4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge										% Heavy Vehicles Including Coal																		
		Total Vehicles Including Coal Trucks					Trucks					Coal Trucks Only					% Heavy Vehicles Including Coal													
		Base Volumes		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H							
Southbound (to PKCT)	Time	Light Vehicles (cars)	Articulated Vehicles (ex CT)		Rigid Vehicles (ex CT)		Omtpa @ No CT		Amtpa @ 11/6		Amtpa @ 24/7&15-5-10/2		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-5-10/2		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7			
		206	7	38	251	251	251	256	257	257	45	45	45	50	51	18.1%	18.1%	18.1%	19.7%	20.0%	0	0	0	0	0	0	0	0	5	6
		100	10	34	144	144	144	148	149	149	44	44	44	48	49	30.7%	30.7%	30.7%	32.6%	33.1%	0	0	0	0	0	0	0	0	4	5
		60	6	35	101	102	102	105	107	107	41	42	42	45	47	40.8%	41.4%	41.4%	43.1%	44.1%	0	1	1	1	1	1	1	1	4	6
		60	10	25	95	96	96	98	100	100	35	36	36	38	40	37.1%	37.7%	37.7%	39.0%	40.2%	0	1	1	1	1	1	1	1	3	5
		99	13	37	149	151	151	156	158	158	50	52	52	57	59	33.7%	34.6%	34.6%	36.7%	37.5%	0	2	2	2	2	2	2	2	7	9
		323	31	72	426	430	430	434	436	436	103	107	107	111	113	24.3%	25.0%	25.0%	25.7%	26.0%	0	4	4	4	4	4	4	4	8	10
		1221	96	89	1405	1440	1437	1419	1423	1419	185	220	217	199	203	13.1%	15.2%	15.1%	14.0%	14.2%	0	35	32	32	32	32	32	32	14	18
		1967	147	112	2226	2256	2246	2244	2244	2246	259	289	286	279	277	11.6%	12.8%	12.7%	12.4%	12.3%	0	30	27	27	27	27	27	27	20	18
		2521	158	115	2794	2822	2819	2812	2812	2812	273	301	298	292	291	9.8%	10.7%	10.6%	10.4%	10.3%	0	28	25	25	25	25	25	25	19	18
		1803	142	116	2061	2093	2089	2080	2079	2079	258	290	286	277	276	12.5%	13.8%	13.7%	13.3%	13.3%	0	32	28	28	28	28	28	28	19	18
		1583	168	113	1864	1894	1891	1883	1881	1881	281	311	308	300	298	15.1%	16.4%	16.3%	15.9%	15.8%	0	30	27	27	27	27	27	27	19	17
		1582	154	112	1848	1880	1877	1868	1866	1866	266	298	295	286	284	14.4%	15.8%	15.7%	15.3%	15.2%	0	32	29	29	29	29	29	29	20	18
		1617	134	112	1863	1890	1888	1882	1880	1880	246	273	271	265	263	13.2%	14.4%	14.3%	14.1%	14.0%	0	27	25	25	25	25	25	25	19	17
		1691	151	119	1960	1988	1985	1980	1978	1978	270	298	295	290	288	13.8%	15.0%	14.8%	14.6%	14.5%	0	28	25	25	25	25	25	25	20	18
		2082	165	108	2354	2381	2377	2371	2370	2370	273	300	296	290	289	11.6%	12.6%	12.4%	12.2%	12.2%	0	27	23	23	23	23	23	23	17	16
		2754	193	110	3057	3075	3073	3073	3071	3071	303	321	319	319	317	9.9%	10.4%	10.4%	10.4%	10.3%	0	18	16	16	16	16	16	16	14	14
		3189	130	92	3411	3422	3420	3424	3422	3422	222	233	231	235	233	6.5%	6.8%	6.7%	6.9%	6.8%	0	11	9	9	9	9	9	9	13	11
		3385	99	67	3551	3553	3553	3561	3560	3560	166	168	168	176	175	4.7%	4.7%	4.7%	4.9%	4.9%	0	2	2	2	2	2	2	2	10	9
		2396	56	51	2503	2503	2503	2509	2509	2509	107	107	107	113	113	4.3%	4.3%	4.3%	4.5%	4.5%	0	0	0	0	0	0	0	0	6	6
		1716	41	55	1812	1813	1813	1819	1819	1819	96	97	97	103	103	5.3%	5.4%	5.4%	5.7%	5.7%	0	1	1	1	1	1	1	1	7	7
		1156	31	47	1234	1235	1235	1240	1240	1240	78	79	79	84	84	6.3%	6.4%	6.4%	6.8%	6.8%	0	1	1	1	1	1	1	1	6	6
		879	23	38	940	941	941	946	945	945	61	62	62	67	66	6.5%	6.6%	6.6%	7.1%	7.0%	0	1	1	1	1	1	1	1	6	5
		596	17	45	658	659	659	663	664	664	62	63	63	67	68	9.5%	9.6%	9.6%	10.2%	10.3%	0	1	1	1	1	1	1	1	5	6
422	11	44	477	477	477	482	483	483	55	55	55	60	61	11.6%	11.6%	11.6%	12.5%	12.7%	0	0	0	0	0	0	0	0	5	6		
33406	1993	1785	37184	37496	37464	37456	37453	37453	3778	4090	4058	4050	4047	10.2%	10.9%	10.8%	10.8%	10.8%	0	312	280	272	272	272	272	272	269	269		
% CT of HV																														
Day (6am-10pm)		30320																												
% CT of HV		198																												
Night (10pm-7am)		3086																												
% CT of HV		71																												

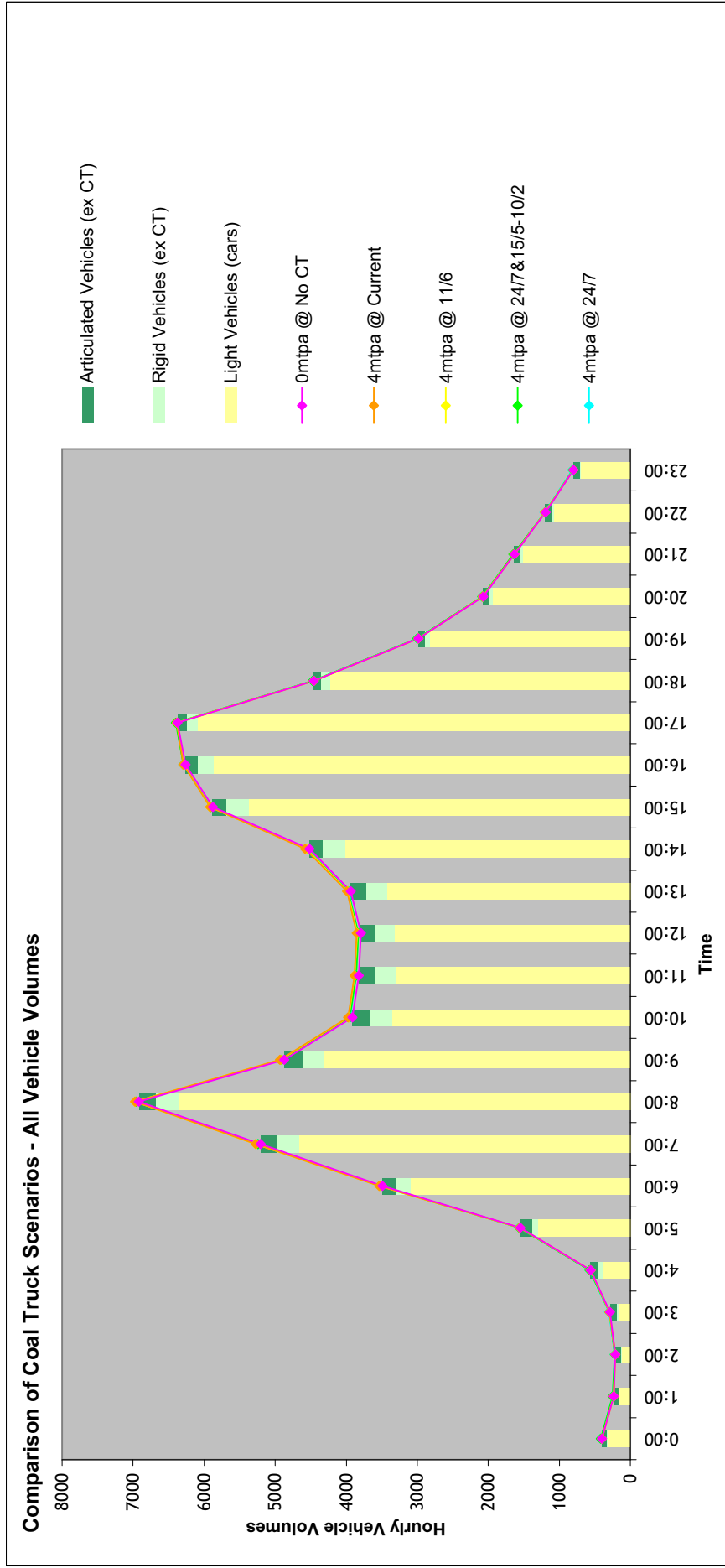
2008 Average Weekday
4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge

Direction	Total Heavy Vehicles Including Coal																			Coal Trucks Only								
	Base Volumes								Total Vehicles Including Coal Trucks								Trucks											
	Light Vehicles (cars)				Rigid Vehicles (ex CT)				Articulated Vehicles (ex CT)				Omtpa @ No CT				Amtpa @ Current				Amtpa @ 1/6				Amtpa @ 24/7			
	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
Time																												
0:00	109	7	35	151	151	151	156	157	157	42	42	42	47	48	28.0%	28.0%	28.0%	30.3%	30.7%	0	0	0	5	6				
1:00	56	6	30	92	92	92	97	98	98	36	36	36	41	42	39.4%	39.4%	39.4%	42.5%	43.1%	0	0	0	5	6				
2:00	58	15	35	108	108	108	112	114	114	50	50	50	54	56	46.5%	46.5%	46.5%	48.4%	49.3%	0	0	0	4	6				
3:00	101	23	70	194	195	195	197	199	199	93	94	94	96	98	48.0%	48.3%	48.3%	48.8%	49.3%	0	1	1	3	5				
4:00	291	40	79	410	411	411	414	416	416	119	120	120	123	125	29.1%	29.3%	29.3%	29.8%	30.1%	0	1	1	4	6				
5:00	976	63	83	1122	1124	1124	1129	1131	1131	146	148	148	153	155	13.0%	13.2%	13.2%	13.6%	13.7%	0	2	2	7	9				
6:00	1877	111	95	2082	2093	2091	2098	2094	2094	206	217	215	215	218	9.9%	10.3%	10.3%	10.3%	10.4%	0	11	9	9	12				
7:00	2693	173	113	2979	3019	3017	2999	2999	2999	286	326	324	305	306	9.6%	10.8%	10.7%	10.2%	10.2%	0	40	38	19	20				
8:00	3838	169	120	4127	4154	4151	4145	4144	4144	289	316	313	307	306	7.0%	7.6%	7.5%	7.4%	7.4%	0	27	24	18	17				
9:00	2518	154	139	2811	2839	2835	2830	2829	2829	293	321	317	312	311	10.4%	11.3%	11.2%	11.0%	11.0%	0	28	24	19	18				
10:00	1778	139	131	2048	2080	2077	2067	2066	2066	270	302	299	289	288	13.2%	14.5%	14.4%	14.0%	13.9%	0	32	29	19	18				
11:00	1723	135	118	1976	2006	2003	1995	1993	1993	253	283	280	272	270	12.8%	14.1%	14.0%	13.6%	13.5%	0	30	27	19	17				
12:00	1708	128	93	1929	1961	1958	1950	1948	1948	221	253	250	242	240	11.4%	12.9%	12.8%	12.4%	12.3%	0	32	29	21	19				
13:00	1732	141	103	1975	2001	1999	1993	1991	1991	244	270	268	262	260	12.3%	13.5%	13.4%	13.1%	13.0%	0	26	24	18	16				
14:00	1938	149	77	2163	2193	2189	2183	2181	2181	226	256	252	246	244	10.4%	11.7%	11.5%	11.2%	11.2%	0	30	26	20	18				
15:00	2615	126	77	2818	2843	2840	2835	2834	2834	203	228	225	220	219	7.2%	8.0%	7.9%	7.7%	7.7%	0	25	22	17	16				
16:00	2670	107	77	2854	2868	2866	2869	2866	2866	184	198	196	199	196	6.4%	6.9%	6.8%	6.9%	6.8%	0	14	12	15	12				
17:00	2700	61	63	2824	2832	2831	2837	2835	2835	124	132	131	137	135	4.4%	4.6%	4.6%	4.8%	4.7%	0	8	7	13	11				
18:00	1838	59	54	1951	1952	1952	1959	1959	1959	113	114	114	121	121	5.8%	5.9%	5.9%	6.2%	6.2%	0	1	1	8	8				
19:00	1113	23	38	1174	1174	1174	1180	1180	1180	61	61	61	67	67	5.2%	5.2%	5.2%	5.7%	5.7%	0	0	0	6	6				
20:00	780	15	43	838	839	839	845	845	845	58	59	59	65	65	7.1%	7.1%	7.1%	7.7%	7.7%	0	1	1	7	7				
21:00	639	14	39	692	693	693	699	697	697	53	54	54	60	58	7.7%	7.8%	7.8%	8.6%	8.4%	0	1	1	7	5				
22:00	485	12	41	538	539	539	542	543	543	53	54	54	57	58	9.9%	10.1%	10.1%	10.6%	10.7%	0	1	1	4	5				
23:00	277	9	38	324	325	325	329	330	330	47	48	48	52	53	14.6%	14.8%	14.8%	15.9%	16.1%	0	1	1	5	6				
Daily	34511	1879	1790	38180	38492	38460	38452	38449	38449	3669	3981	3949	3941	3938	9.6%	10.3%	10.3%	10.3%	10.2%	0	312	280	272	269				
% CT of HV															0.0%	7.8%	7.1%	6.9%	6.8%									
Day (6am-10pm)	30282	1593	1282	33157	33452	33422	33383	33365	33365	2875	3170	3140	3101	3083	8.7%	9.5%	9.4%	9.3%	9.2%	0	295	265	226	208				
% CT of HV															0.0%	9.3%	8.4%	7.3%	6.7%									
Night (10pm-7am)	4229	286	508	5023	5040	5038	5069	5084	5084	794	811	809	840	855	15.8%	16.1%	16.1%	16.6%	16.8%	0	17	15	46	61				
% CT of HV															0.0%	2.1%	1.9%	5.5%	7.1%									

2008 Average Weekday 4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge Total Heavy Vehicles Including Coal % Heavy Vehicles Including Coal																							
Direction	Total Heavy Vehicles Including Coal Trucks																						
	Base Volumes						Trucks						Coal Trucks Only										
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H					
Time																							
0:00	315	14	74	403	403	403	413	415	88	88	88	98	100	21.8%	21.8%	21.8%	23.7%	24.1%	0	0	0	10	12
1:00	156	16	65	237	237	237	246	248	81	81	81	90	92	34.1%	34.1%	34.1%	36.5%	37.0%	0	0	0	9	11
2:00	118	21	71	210	211	211	218	222	92	93	93	100	104	43.7%	44.0%	44.0%	45.8%	46.8%	0	1	1	8	12
3:00	161	33	96	290	292	292	296	300	129	131	131	135	139	44.4%	44.8%	44.8%	45.6%	46.3%	0	2	2	6	10
4:00	390	53	117	560	563	563	571	575	170	173	173	181	185	30.3%	30.7%	30.7%	31.7%	32.1%	0	3	3	11	15
5:00	1298	94	156	1548	1554	1554	1563	1567	250	256	256	265	269	16.1%	16.5%	16.5%	16.9%	17.2%	0	6	6	15	19
6:00	3097	207	183	3487	3533	3528	3510	3517	390	436	431	413	420	11.2%	12.3%	12.2%	11.8%	11.9%	0	46	41	23	30
7:00	4660	320	224	5204	5274	5269	5243	5242	544	614	609	583	582	10.5%	11.6%	11.6%	11.1%	11.1%	0	70	65	39	38
8:00	6359	327	234	6920	6975	6969	6957	6955	561	616	610	598	596	8.1%	8.8%	8.8%	8.6%	8.6%	0	55	49	37	35
9:00	4321	296	254	4871	4931	4923	4909	4907	550	610	602	588	586	11.3%	12.4%	12.2%	12.0%	11.9%	0	60	52	38	36
10:00	3361	307	243	3911	3973	3967	3949	3946	550	612	606	588	585	14.1%	15.4%	15.3%	14.9%	14.8%	0	62	56	38	35
11:00	3305	289	229	3823	3885	3879	3862	3858	518	580	574	557	553	13.6%	14.9%	14.8%	14.4%	14.3%	0	62	56	39	35
12:00	3325	262	204	3791	3850	3845	3831	3827	466	525	520	506	502	12.3%	13.6%	13.5%	13.2%	13.1%	0	59	54	40	36
13:00	3422	292	221	3935	3989	3984	3973	3969	513	567	562	551	547	13.0%	14.2%	14.1%	13.9%	13.8%	0	54	49	38	34
14:00	4019	314	184	4517	4574	4566	4554	4551	498	555	547	535	532	11.0%	12.1%	12.0%	11.8%	11.7%	0	57	49	37	34
15:00	5369	319	186	5874	5917	5912	5907	5904	505	548	543	538	535	8.6%	9.3%	9.2%	9.1%	9.1%	0	43	38	33	30
16:00	5859	237	168	6264	6289	6285	6292	6287	405	430	426	433	428	6.5%	6.8%	6.8%	6.9%	6.8%	0	25	21	28	23
17:00	6085	160	129	6374	6384	6383	6397	6394	289	299	298	312	309	4.5%	4.7%	4.7%	4.9%	4.8%	0	10	9	23	20
18:00	4234	115	106	4455	4456	4456	4469	4469	221	222	222	235	235	5.0%	5.0%	5.0%	5.3%	5.3%	0	1	1	14	14
19:00	2829	64	94	2987	2988	2988	3000	3000	158	159	159	171	171	5.3%	5.3%	5.3%	5.7%	5.7%	0	1	1	13	13
20:00	1936	46	91	2073	2075	2075	2086	2086	137	139	139	150	150	6.6%	6.7%	6.7%	7.2%	7.2%	0	2	2	13	13
21:00	1517	37	78	1632	1634	1634	1645	1642	115	117	117	128	125	7.0%	7.1%	7.1%	7.8%	7.6%	0	2	2	13	10
22:00	1080	29	87	1196	1198	1198	1205	1207	116	118	118	125	127	9.7%	9.8%	9.8%	10.3%	10.5%	0	2	2	9	11
23:00	699	20	83	802	803	803	812	814	103	104	104	113	115	12.8%	12.9%	12.9%	13.9%	14.1%	0	1	1	10	12
Daily	67916	3872	3576	75364	75988	75924	75908	75902	7448	8072	8008	7992	7986	9.9%	10.6%	10.5%	10.5%	10.5%	0	624	560	544	538
% CT of HV														0.0%	7.7%	7.0%	6.8%	6.7%					
Day (6am-10pm)	60602	3385	2646	66632	67195	67136	67075	67038	6031	6594	6535	6474	6437	9.1%	9.8%	9.7%	9.7%	9.6%	0	563	504	443	406
% CT of HV														0.0%	8.5%	7.7%	6.8%	6.3%					
Night (10pm-7am)	7315	487	930	8732	8793	8788	8833	8864	1417	1478	1473	1518	1549	16.2%	16.8%	16.8%	17.2%	17.5%	0	61	56	101	132
% CT of HV														0.0%	4.1%	3.8%	6.7%	8.5%					

2008 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



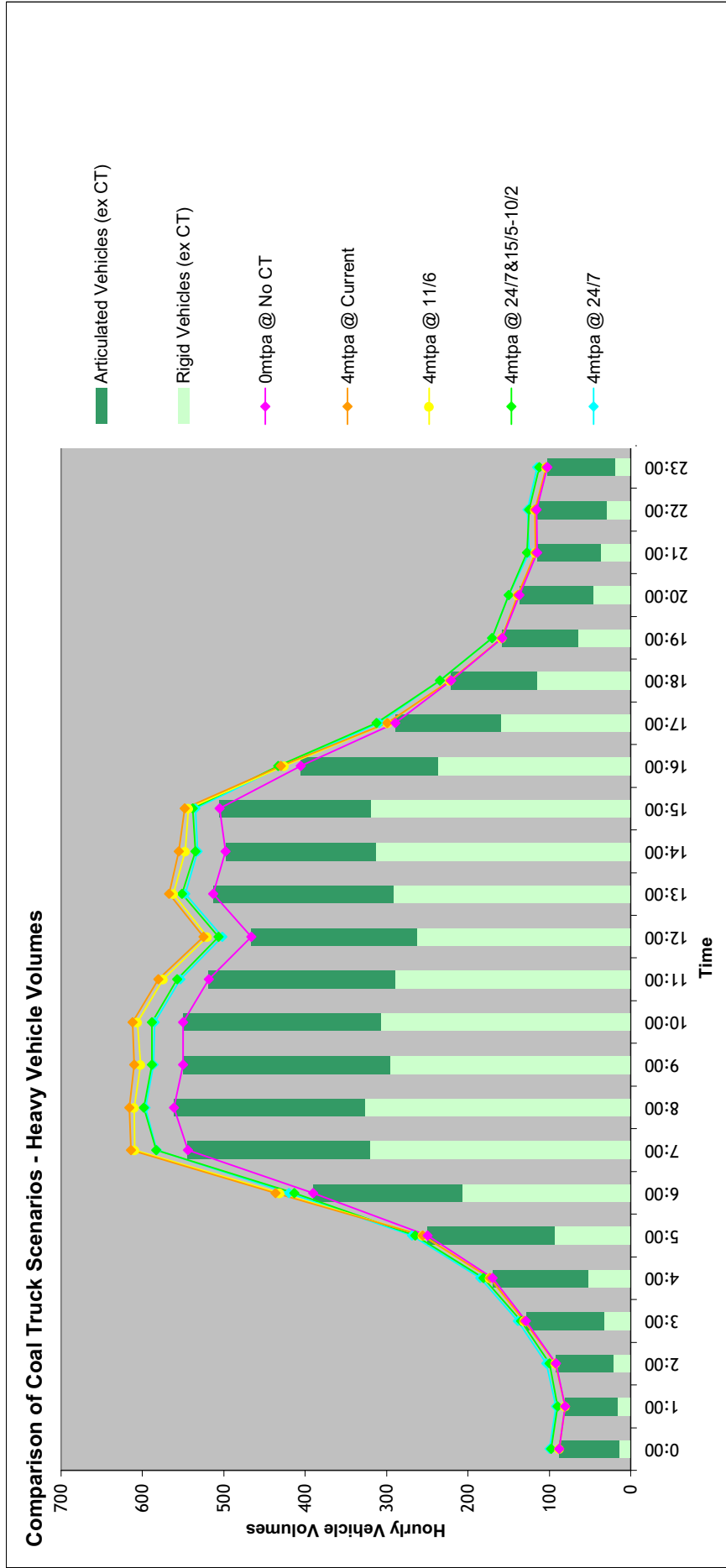
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

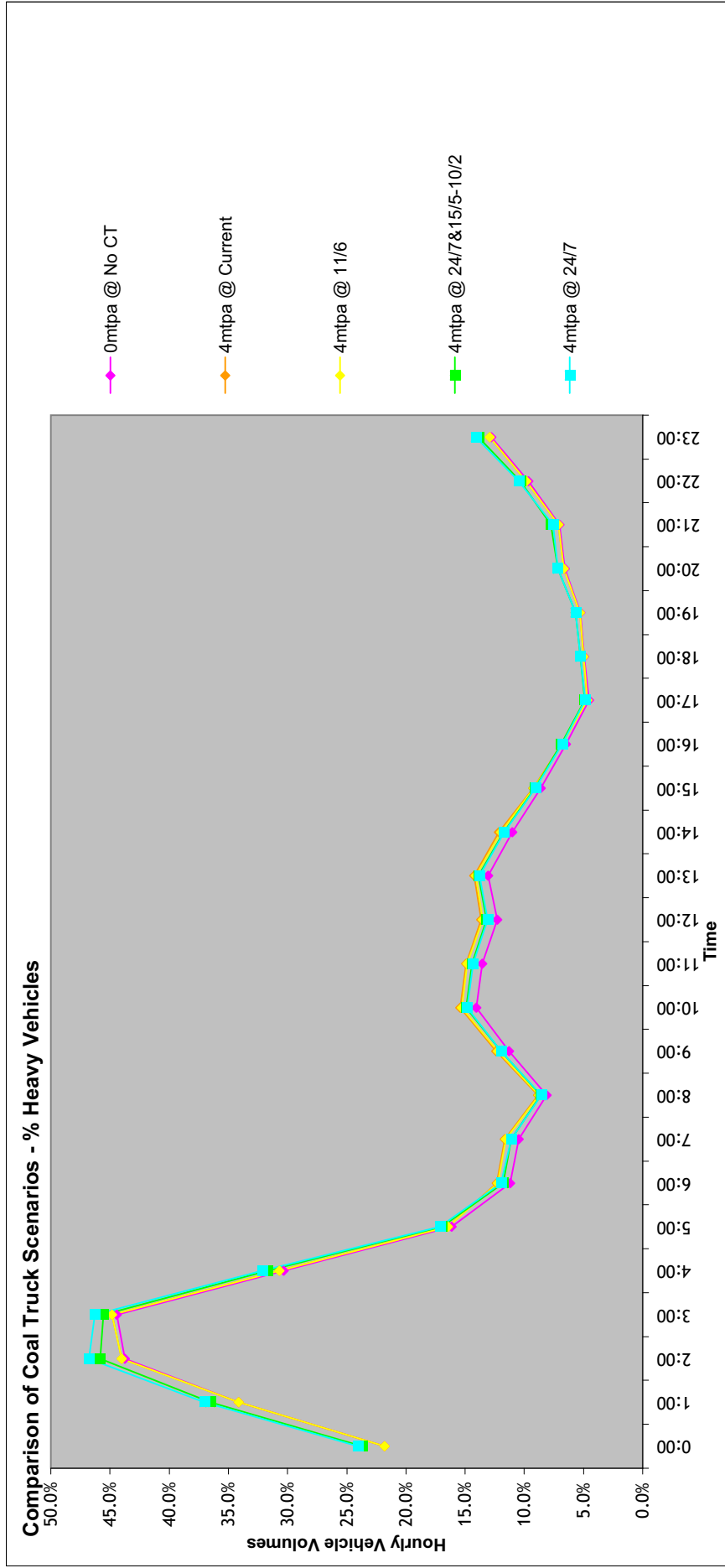
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ Current
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 4mtpa @ 24/7
 4mtpa @ 24/7&15/5-10/2

2008 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

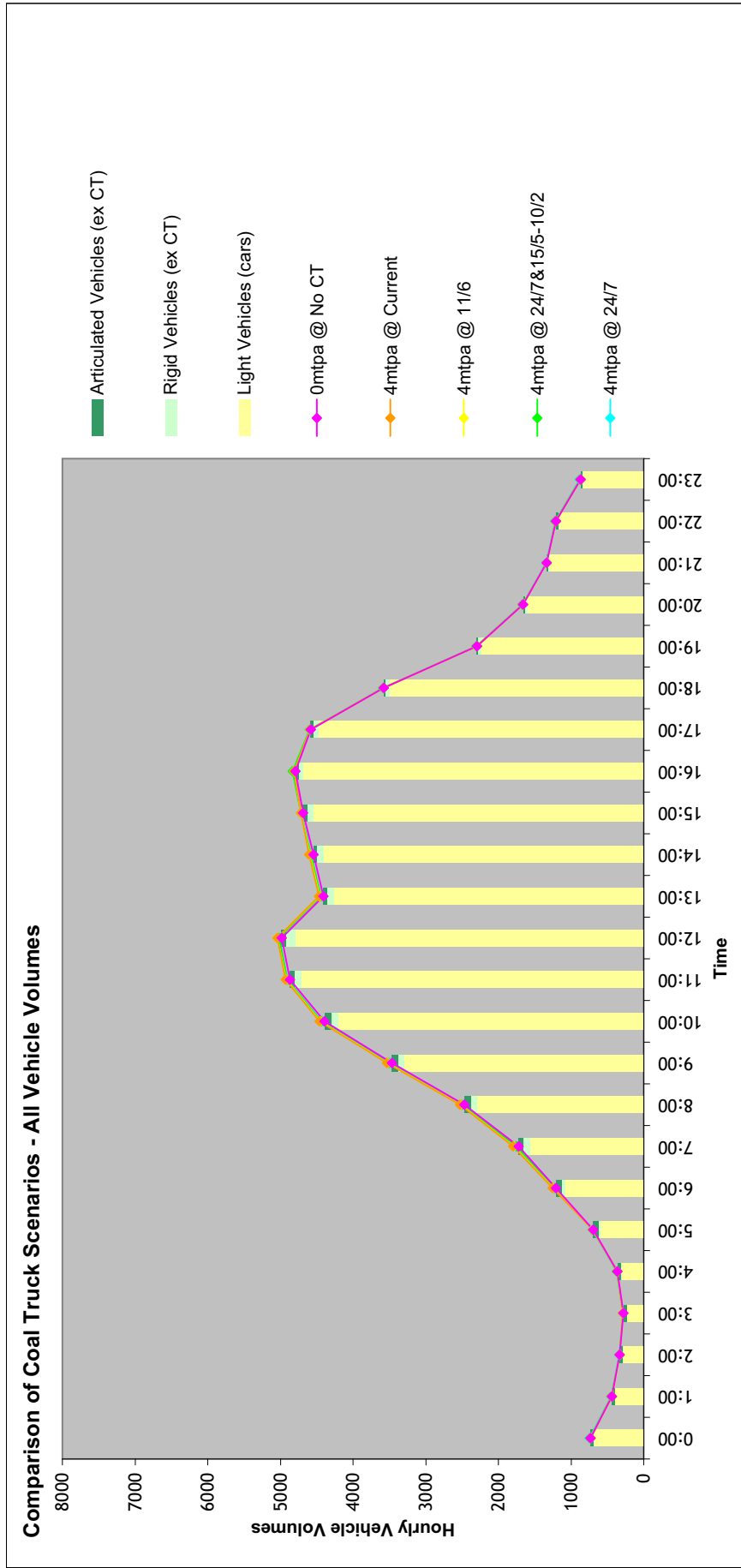
2008 Average Weekend
4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge

Direction	2008 Average Weekend																							
	Total Heavy Vehicles Including Coal Trucks									Total Heavy Vehicles Including Coal Trucks									Coal Trucks Only					
	Base Volumes			Total Vehicles Including Coal Trucks			Trucks			Heavy Vehicles Including Coal Trucks			Heavy Vehicles Including Coal Trucks			Coal Trucks Only								
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
Time																								
0:00	417	9	27	453	453	453	457	459	36	36	40	42	8.0%	8.0%	8.0%	8.8%	9.2%	0	0	0	4	6	4mtpa @ 24/7	
1:00	235	6	21	262	262	262	266	268	27	27	31	33	10.4%	10.4%	10.4%	11.8%	12.4%	0	0	0	4	6	4mtpa @ 24/7&15-10/2	
2:00	168	4	21	193	194	194	194	195	25	26	26	27	13.1%	13.6%	13.6%	14.0%	14.0%	0	1	1	1	2	4mtpa @ 11/6	
3:00	111	4	18	133	134	134	136	137	22	23	23	25	16.8%	17.4%	17.4%	18.6%	19.2%	0	1	1	1	3	4	
4:00	135	3	18	156	158	158	160	161	21	23	23	25	13.7%	14.8%	14.8%	15.8%	16.3%	0	2	2	4	5	4mtpa @ Current	
5:00	239	12	34	285	291	290	292	293	46	52	51	53	16.3%	18.0%	17.7%	18.3%	18.6%	0	6	5	7	8	Omtpa @ No CT	
6:00	475	25	30	529	561	556	542	548	55	87	82	68	10.3%	15.4%	14.7%	12.5%	13.4%	0	32	27	13	19	4mtpa @ 24/7&15-10/2	
7:00	748	32	36	816	850	845	829	835	68	102	97	81	8.3%	12.0%	11.4%	9.7%	10.4%	0	34	29	13	19	4mtpa @ 11/6	
8:00	1124	48	33	1205	1237	1233	1226	1225	81	113	109	102	101	6.7%	9.1%	8.8%	8.3%	8.2%	0	32	28	21	20	Omtpa @ No CT
9:00	1663	52	49	1764	1798	1795	1785	1783	101	135	132	122	120	5.7%	7.5%	7.3%	6.8%	6.7%	0	34	31	21	19	4mtpa @ Current
10:00	2214	63	50	2327	2360	2357	2348	2345	113	146	143	134	131	4.8%	6.2%	6.1%	5.7%	5.6%	0	33	30	21	18	Omtpa @ No CT
11:00	2421	57	26	2504	2536	2533	2525	2523	83	115	112	104	102	3.3%	4.5%	4.4%	4.1%	4.0%	0	32	29	21	19	4mtpa @ 24/7&15-10/2
12:00	2407	59	36	2502	2532	2529	2521	2520	95	125	122	114	113	3.8%	4.9%	4.8%	4.5%	4.5%	0	30	27	19	18	4mtpa @ 11/6
13:00	1949	42	33	2023	2052	2049	2044	2044	75	104	101	96	96	3.7%	5.0%	4.9%	4.7%	4.7%	0	29	26	21	21	Omtpa @ No CT
14:00	1950	46	30	2025	2050	2048	2043	2042	76	101	99	94	93	3.7%	4.9%	4.8%	4.6%	4.5%	0	25	23	18	17	4mtpa @ Current
15:00	1930	38	29	1997	2009	2008	2014	2011	67	79	78	84	81	3.3%	3.9%	3.9%	3.2%	4.0%	0	12	11	17	14	Omtpa @ No CT
16:00	1827	29	21	1877	1882	1882	1892	1890	50	55	55	65	63	2.6%	2.9%	2.9%	3.4%	3.3%	0	5	5	15	13	4mtpa @ 24/7&15-10/2
17:00	1730	32	21	1783	1785	1785	1790	1790	53	55	55	60	60	3.0%	3.1%	3.1%	3.3%	3.3%	0	2	2	7	7	4mtpa @ 11/6
18:00	1484	27	8	1519	1519	1519	1523	1524	35	35	35	39	40	2.3%	2.3%	2.3%	2.6%	2.6%	0	0	0	4	5	Omtpa @ No CT
19:00	968	17	7	992	993	993	995	996	24	25	25	27	28	2.5%	2.5%	2.5%	2.7%	2.8%	0	1	1	3	4	4mtpa @ Current
20:00	740	21	14	775	776	776	779	780	35	36	36	39	40	4.6%	4.7%	4.7%	5.0%	5.2%	0	1	1	4	5	Omtpa @ No CT
21:00	638	10	6	654	655	655	657	658	16	17	17	19	20	2.5%	2.6%	2.6%	2.9%	3.1%	0	1	1	3	4	4mtpa @ 11/6
22:00	612	9	15	636	636	636	640	642	24	24	24	28	30	3.8%	3.8%	3.8%	4.4%	4.7%	0	0	0	4	6	Omtpa @ No CT
23:00	459	15	8	482	482	482	488	490	23	23	23	29	31	4.8%	4.8%	4.8%	6.0%	6.4%	0	0	0	6	8	4mtpa @ 24/7
Daily	26642	660	590	27892	28205	28172	28146	28159	1250	1563	1504	1517	1517	4.5%	5.5%	5.4%	5.3%	5.4%	0	313	280	254	267	4mtpa @ Current
% CT of HV														0.0%	20.0%	18.3%	16.9%	17.6%						4mtpa @ 24/7&15-10/2
Day (6am-10pm)	23792	573	396	24761	25032	25005	24969	24964	969	1240	1213	1177	1172	3.9%	5.0%	4.9%	4.7%	4.7%	0	271	244	208	203	Omtpa @ No CT
% CT of HV														0.0%	21.9%	20.1%	17.7%	17.3%						4mtpa @ 11/6
Night (10pm-7am)	2850	87	194	3131	3173	3167	3177	3195	281	323	317	327	345	9.0%	10.2%	10.0%	10.3%	10.8%	0	42	36	46	64	Omtpa @ No CT
% CT of HV														0.0%	13.0%	11.3%	14.0%	18.5%						4mtpa @ 24/7

Direction		2008 Average Weekend																						
		4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge																						
		Total Heavy Vehicles Including Coal Trucks											% Heavy Vehicles Including Coal Trucks											
		Base Volumes						Trucks					Coal Trucks Only											
Time	Direction	Light Vehicles (cars)			Rigid Vehicles (ex CT)			Articulated Vehicles (ex CT)			Total Vehicles Including Coal Trucks			Total Heavy Vehicles Including Coal Trucks			Coal Trucks Only							
		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
0:00		259	7	12	278	278	278	284	286	19	19	19	25	27	7.0%	7.0%	7.0%	8.9%	9.6%	0	0	0	6	8
1:00		154	4	16	174	174	174	178	180	20	20	20	24	26	11.7%	11.7%	11.7%	13.7%	14.6%	0	0	0	4	4
2:00		111	5	22	138	138	138	141	142	27	27	27	30	31	19.8%	19.8%	19.8%	21.5%	22.0%	0	0	0	3	4
3:00		114	8	26	148	149	149	149	150	34	35	35	35	36	23.2%	23.7%	23.7%	23.7%	24.2%	0	1	1	1	2
4:00		166	12	26	204	205	205	207	208	38	39	39	41	42	18.8%	19.2%	19.2%	20.0%	20.3%	0	1	1	3	4
5:00		356	16	35	407	411	410	412	413	51	55	54	56	57	12.6%	13.5%	13.3%	13.7%	13.9%	0	4	3	5	6
6:00		608	26	45	678	690	687	685	689	71	83	80	78	82	10.4%	12.0%	11.6%	11.3%	11.8%	0	12	9	7	11
7:00		825	46	38	909	946	941	925	931	84	121	116	100	106	9.2%	12.8%	12.3%	10.8%	11.3%	0	37	32	16	22
8:00		1170	46	46	1262	1293	1277	1277	1279	92	123	119	107	109	7.3%	9.5%	9.2%	8.4%	8.5%	0	31	27	15	17
9:00		1625	42	33	1700	1732	1728	1722	1720	75	107	103	97	95	4.4%	6.2%	5.9%	5.6%	5.5%	0	32	28	22	20
10:00		1979	46	43	2068	2102	2100	2088	2087	89	123	121	109	108	4.3%	5.8%	5.7%	5.2%	5.2%	0	34	32	20	19
11:00		2289	39	33	2361	2393	2389	2382	2380	72	104	100	93	91	3.0%	4.3%	4.2%	3.9%	3.8%	0	32	28	21	19
12:00		2396	55	30	2481	2514	2512	2501	2499	85	118	116	105	103	3.4%	4.7%	4.6%	4.2%	4.1%	0	33	31	20	18
13:00		2324	41	20	2384	2412	2409	2404	2403	61	89	86	81	80	2.5%	3.7%	3.6%	3.4%	3.3%	0	28	25	20	19
14:00		2459	42	20	2520	2550	2546	2541	2541	62	92	88	83	83	2.4%	3.6%	3.4%	3.3%	3.3%	0	30	26	21	21
15:00		2622	39	27	2688	2709	2708	2705	2702	66	87	86	83	80	2.4%	3.2%	3.2%	3.1%	2.9%	0	21	20	17	14
16:00		2864	36	20	2920	2928	2928	2937	2934	56	64	64	73	70	1.9%	2.2%	2.2%	2.5%	2.4%	0	8	8	17	14
17:00		2745	33	18	2796	2801	2801	2809	2808	51	56	56	64	63	1.8%	2.0%	2.0%	2.3%	2.2%	0	5	5	13	12
18:00		2013	31	13	2057	2058	2058	2062	2063	44	45	45	49	50	2.2%	2.2%	2.2%	2.4%	2.4%	0	1	1	5	6
19:00		1277	17	10	1304	1304	1304	1307	1308	27	27	27	30	31	2.1%	2.1%	2.1%	2.3%	2.4%	0	0	0	3	4
20:00		856	19	11	886	887	887	890	891	30	31	31	34	35	3.4%	3.5%	3.5%	3.9%	4.0%	0	1	1	4	5
21:00		662	7	10	679	680	680	682	683	17	18	18	20	21	2.6%	2.7%	2.7%	3.0%	3.1%	0	1	1	3	4
22:00		552	8	9	569	570	570	573	575	17	18	18	21	23	3.0%	3.2%	3.2%	3.7%	4.1%	0	1	1	4	6
23:00		369	6	11	386	386	386	390	392	17	17	17	21	23	4.5%	4.5%	4.5%	5.5%	5.9%	0	0	0	4	6
Daily		30793	631	573	31997	32310	32277	32251	32264	1204	1517	1484	1458	1471	3.8%	4.7%	4.6%	4.5%	4.6%	0	313	280	254	267
% CT of HV															0.0%	20.6%	18.9%	17.4%	18.1%					
Day (6am-10pm)		28105	539	369	29013	29307	29278	29230	29227	908	1202	1173	1125	1122	3.1%	4.1%	4.0%	3.8%	3.8%	0	294	265	217	214
% CT of HV															0.0%	24.5%	22.6%	19.3%	19.1%					
Night (10pm-7am)		2688	92	204	2984	3003	2999	3021	3037	296	315	311	333	349	9.9%	10.5%	10.4%	11.0%	11.5%	0	19	15	37	53
% CT of HV															0.0%	6.0%	4.8%	11.1%	15.2%					

2008 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



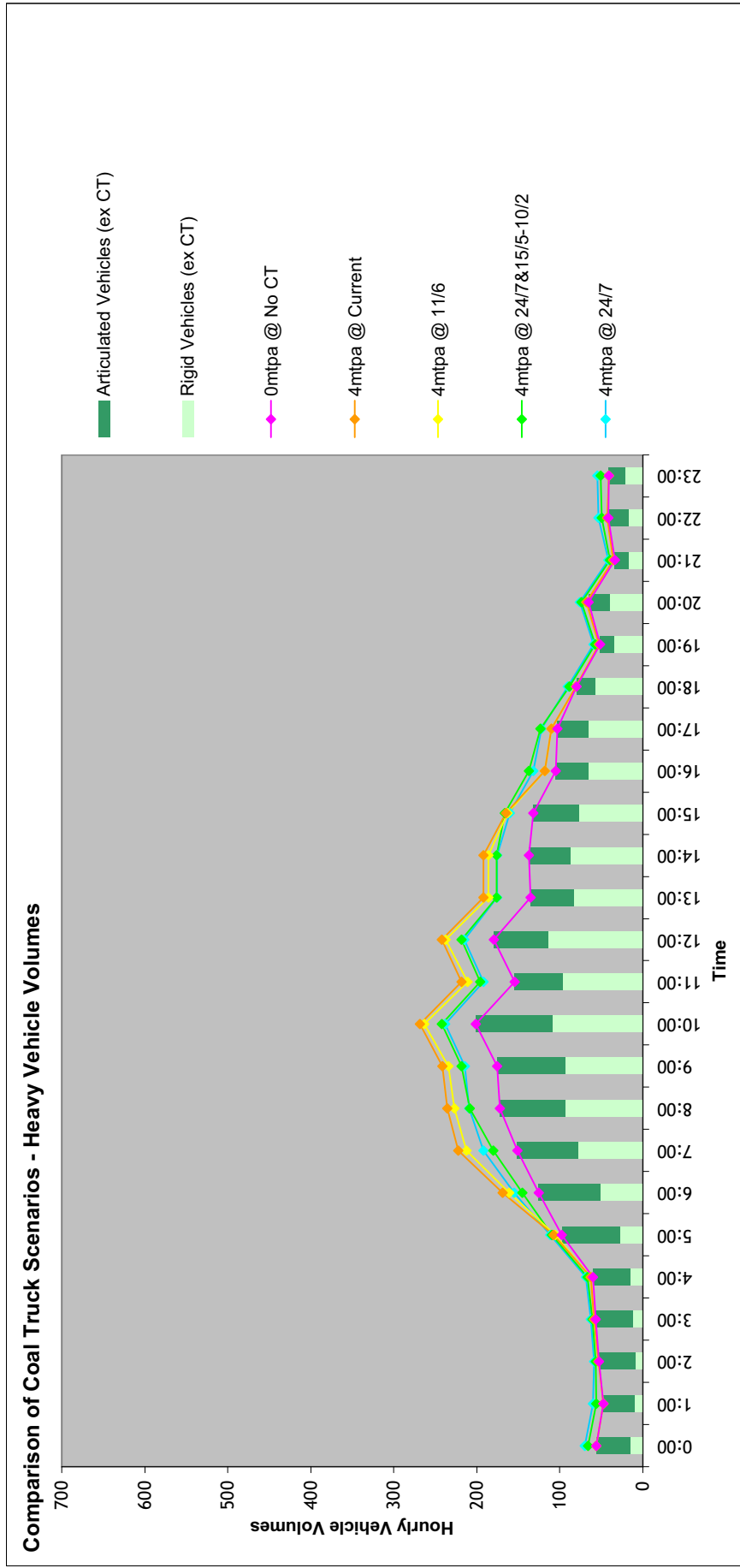
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

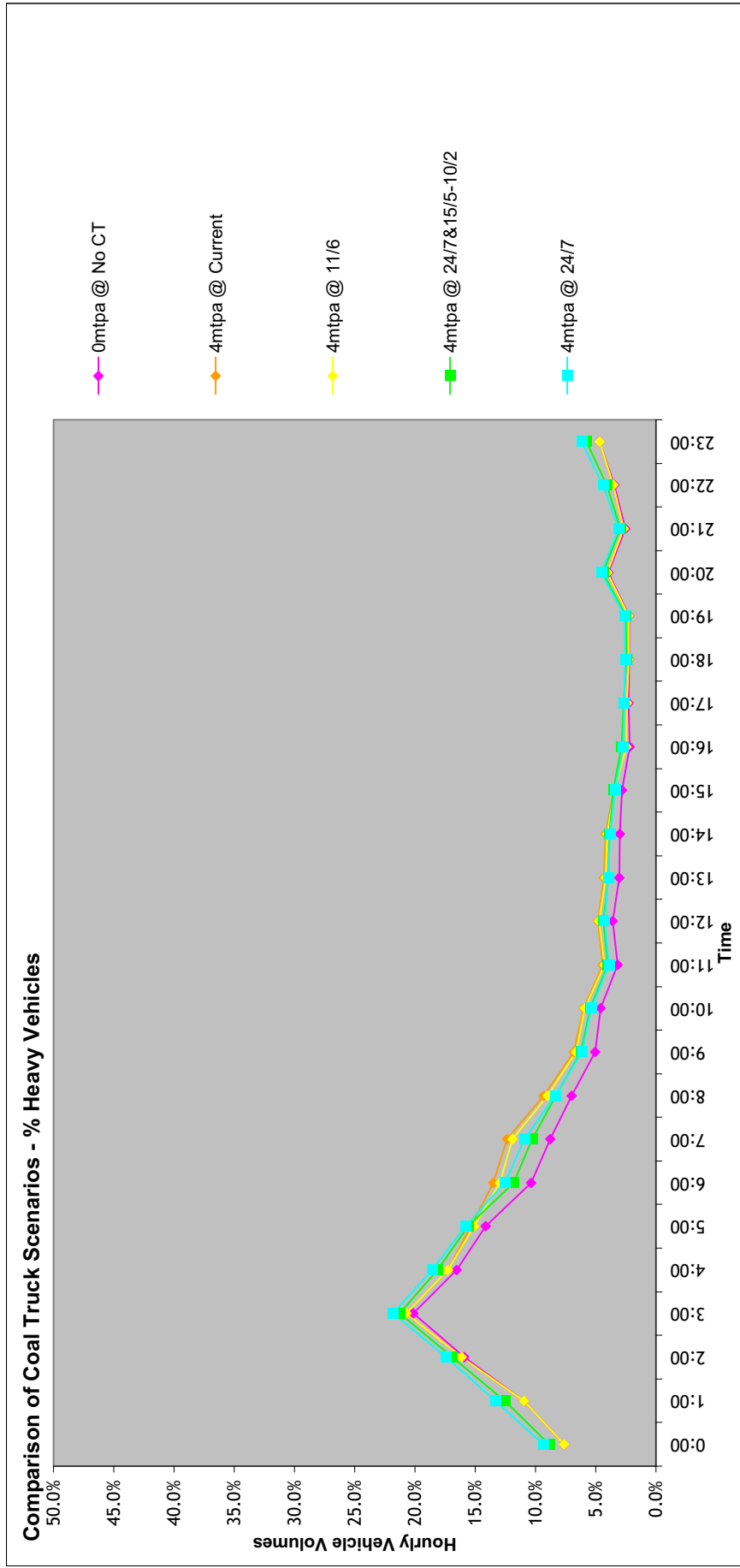
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid-artic+CT)

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

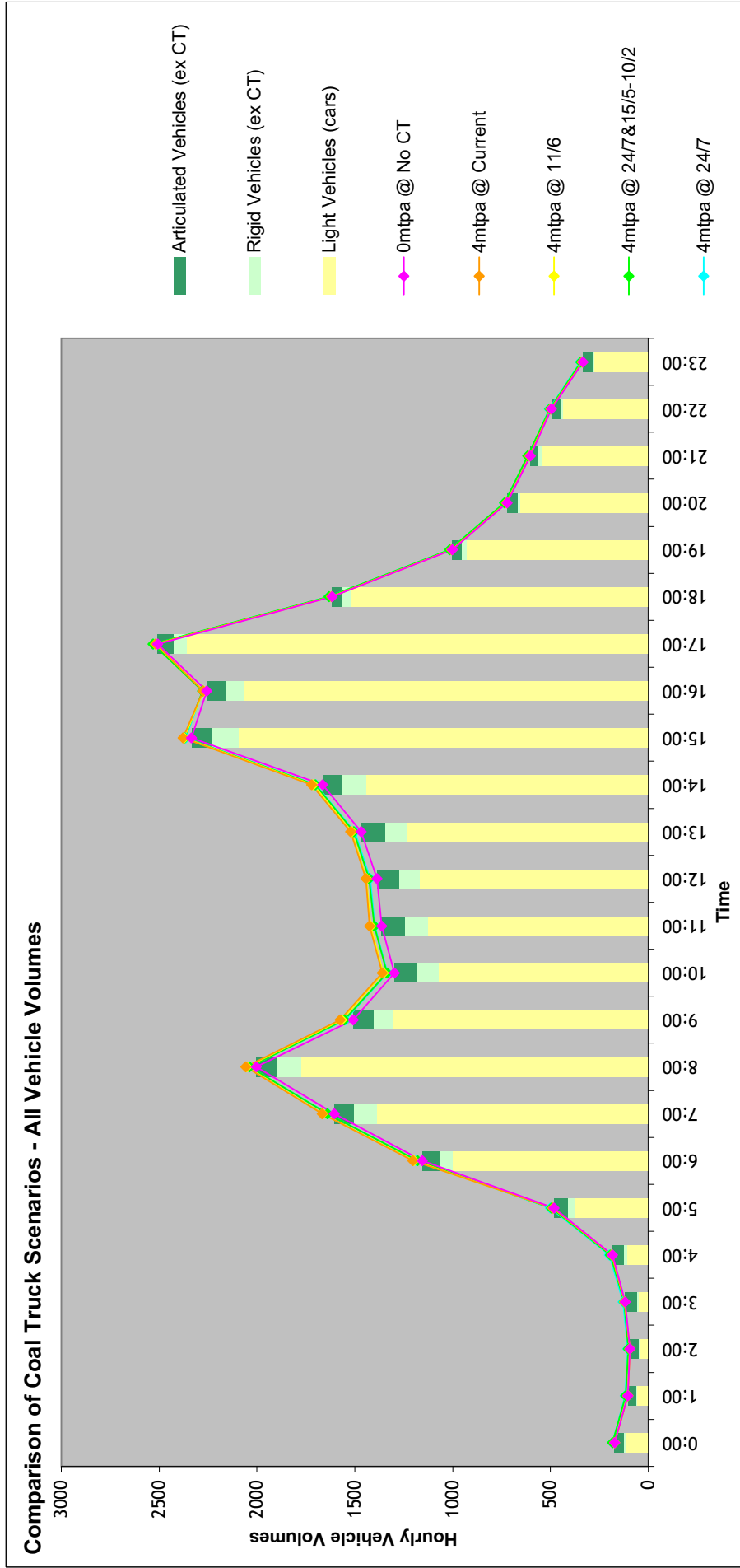
		2008 Average Weekday																						
		5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd										% Heavy Vehicles Including Coal												
		Total Vehicles Including Coal Trucks					Trucks					Total Heavy Vehicles Including Coal					Trucks							
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Trucks					% Heavy Vehicles Including Coal							
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
Southbound (to PKCT)	0:00	41	7	23	71	71	76	77	77	30	30	35	36	41.9%	41.9%	41.9%	45.8%	49.5%	0	0	0	5	6	4mtpa @ 24/7
	1:00	20	5	24	49	49	53	54	29	29	33	34	58.8%	58.8%	58.8%	62.0%	62.7%	0	0	0	4	5	4mtpa @ 24/7&15-5-10/2	
	2:00	18	4	26	48	49	52	54	30	31	34	36	62.2%	63.0%	63.0%	65.1%	66.4%	0	1	1	1	4	6	4mtpa @ 11/6
	3:00	22	3	20	45	46	46	48	23	24	26	28	50.7%	51.7%	51.7%	53.8%	55.6%	0	1	1	1	3	5	4mtpa @ Current
	4:00	34	10	19	63	65	70	72	29	31	36	38	45.7%	47.4%	47.4%	51.1%	52.5%	0	2	2	2	7	9	4mtpa @ No CT
	5:00	137	15	32	184	188	192	194	47	51	55	57	25.4%	27.0%	27.0%	28.5%	29.2%	0	4	4	4	8	10	4mtpa @ 24/7
	6:00	544	36	42	622	657	654	636	640	78	113	110	92	12.5%	17.2%	16.8%	14.4%	15.0%	0	35	32	14	18	4mtpa @ 11/6
	7:00	792	67	55	914	939	936	930	928	122	147	144	138	13.3%	15.6%	15.4%	14.8%	14.6%	0	25	22	16	14	4mtpa @ Current
	8:00	1017	62	50	1129	1157	1154	1148	1147	112	140	137	131	9.9%	12.1%	11.9%	11.4%	11.3%	0	28	25	19	18	4mtpa @ No CT
	9:00	598	46	46	690	727	723	713	712	92	129	125	115	13.3%	17.7%	17.3%	16.1%	16.0%	0	37	33	23	22	4mtpa @ 24/7&15-5-10/2
	10:00	419	52	51	522	552	549	541	539	103	133	130	122	19.7%	24.1%	23.7%	22.5%	22.2%	0	30	27	19	17	4mtpa @ 11/6
	11:00	381	53	55	489	521	518	509	507	108	140	137	128	22.1%	26.8%	26.4%	25.1%	24.8%	0	32	29	20	18	4mtpa @ Current
	12:00	390	44	59	493	520	518	512	510	103	130	128	122	20.9%	25.0%	24.7%	23.8%	23.5%	0	27	25	19	17	4mtpa @ No CT
	13:00	421	54	58	533	561	558	553	551	112	140	137	132	21.0%	24.9%	24.5%	23.8%	23.6%	0	28	25	20	18	4mtpa @ 24/7
	14:00	444	60	53	557	584	580	574	573	113	140	136	130	20.3%	23.9%	23.4%	22.6%	22.5%	0	27	23	17	16	4mtpa @ 11/6
	15:00	569	57	59	685	703	701	701	699	116	134	132	132	16.9%	19.0%	18.8%	18.8%	18.6%	0	18	16	16	14	4mtpa @ Current
	16:00	595	39	48	682	691	689	692	690	87	96	94	97	12.7%	13.9%	13.6%	14.0%	13.7%	0	9	7	10	8	4mtpa @ No CT
	17:00	596	27	40	663	666	666	674	673	67	70	70	78	10.1%	10.5%	10.5%	11.5%	11.4%	0	3	3	11	10	4mtpa @ 24/7&15-5-10/2
	18:00	494	13	26	533	534	534	541	541	39	40	40	47	7.3%	7.4%	7.4%	8.6%	8.6%	0	1	1	8	8	4mtpa @ 11/6
	19:00	309	9	28	346	347	347	353	353	37	38	38	44	10.6%	10.9%	10.9%	12.4%	12.4%	0	1	1	7	7	4mtpa @ No CT
	20:00	212	10	25	247	248	248	253	253	35	36	36	41	14.1%	14.4%	14.4%	16.1%	16.1%	0	1	1	6	6	4mtpa @ Current
	21:00	162	11	21	194	195	195	200	199	32	33	33	38	16.4%	16.8%	16.8%	18.9%	18.5%	0	1	1	6	5	4mtpa @ 24/7
	22:00	136	6	27	169	170	170	174	175	33	34	34	38	19.5%	20.0%	20.0%	21.8%	22.2%	0	1	1	5	6	4mtpa @ 11/6
	23:00	90	5	26	121	121	121	126	127	31	31	31	36	25.6%	25.6%	25.6%	28.5%	29.1%	0	0	0	5	6	4mtpa @ No CT
Daily	8441	695	907	10043	10355	10323	10315	10312	1602	1914	1882	1874	18.7%	18.5%	18.2%	18.2%	18.1%	0	312	280	272	269	4mtpa @ 24/7	
% CT of HV														0.0%	16.3%	14.9%	14.5%	14.4%						4mtpa @ 24/7&15-5-10/2
Day (6am-10pm)	7399	604	671	8674	8942	8913	8891	8872	1275	1543	1514	1492	14.7%	17.3%	17.0%	16.8%	16.6%	0	268	239	217	198	4mtpa @ 11/6	
% CT of HV														0.0%	17.4%	15.8%	14.5%	13.4%						4mtpa @ Current
Night (10pm-7am)	1042	91	236	1369	1413	1410	1424	1440	327	371	368	382	23.9%	26.3%	26.1%	26.8%	27.6%	0	44	41	55	71	4mtpa @ No CT	
% CT of HV														0.0%	11.9%	11.1%	14.4%	17.8%						4mtpa @ 24/7

		2008 Average Weekday																										
		5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																										
Direction	Time	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks								
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
Northbound (from PKT)	0:00	73	3	26	102	102	102	107	108	29	29	29	29	29	34	35	28.1%	28.1%	28.1%	31.5%	32.2%	0	0	0	0	5	6	4mtpa @ 24/7
	1:00	36	4	18	58	58	58	63	64	22	22	22	22	27	28	28	37.5%	37.5%	37.5%	42.5%	43.4%	0	0	0	0	5	6	4mtpa @ 24/7&15-10/2
	2:00	22	4	20	46	46	46	50	52	24	24	24	24	28	30	30	51.7%	51.7%	51.7%	55.6%	57.4%	0	0	0	0	4	6	4mtpa @ 11/6
	3:00	30	5	40	75	76	76	78	80	45	46	46	46	48	50	50	59.8%	60.3%	60.3%	61.3%	62.3%	0	1	1	1	3	5	4mtpa @ Current
	4:00	74	9	38	121	122	122	125	127	47	48	48	48	51	53	53	38.6%	39.1%	39.1%	40.6%	41.5%	0	1	1	1	4	6	4mtpa @ No CT
	5:00	243	16	39	298	300	300	305	307	55	57	57	57	62	64	64	18.3%	18.9%	18.9%	20.2%	20.7%	0	2	2	2	7	9	4mtpa @ 24/7
	6:00	458	26	50	534	548	548	545	546	76	90	87	85	88	88	88	14.2%	16.4%	15.9%	15.6%	16.1%	0	14	11	9	12	19	4mtpa @ 11/6
	7:00	597	52	43	692	729	728	711	711	95	132	131	114	114	114	131	13.7%	18.1%	18.0%	16.0%	16.0%	0	37	36	19	19	19	4mtpa @ Current
	8:00	760	58	56	874	901	898	892	891	114	141	138	132	131	131	131	13.0%	15.6%	15.3%	14.8%	14.7%	0	27	24	18	17	17	4mtpa @ No CT
	9:00	702	60	57	819	850	845	840	838	117	148	143	138	136	136	14.3%	17.4%	16.9%	16.4%	16.2%	0	31	26	21	19	19	19	4mtpa @ 24/7&15-10/2
	10:00	652	64	61	777	809	806	796	795	125	157	154	144	143	143	143	16.1%	19.4%	19.1%	18.1%	18.0%	0	32	29	19	18	18	4mtpa @ 24/7
	11:00	746	64	64	874	904	901	893	891	128	158	155	147	145	145	14.6%	17.5%	17.2%	16.4%	16.3%	0	30	27	19	17	17	17	4mtpa @ 11/6
	12:00	781	58	55	894	925	923	915	913	113	144	142	134	132	132	12.6%	15.5%	15.4%	14.6%	14.4%	0	31	29	21	19	19	19	4mtpa @ Current
	13:00	814	58	62	934	961	958	952	950	120	147	144	138	136	136	12.8%	15.3%	15.0%	14.5%	14.3%	0	27	24	18	16	16	16	4mtpa @ No CT
	14:00	998	64	46	1108	1138	1134	1128	1126	110	140	136	130	128	128	9.9%	12.3%	12.0%	11.5%	11.4%	0	30	26	20	18	18	18	4mtpa @ 24/7&15-10/2
	15:00	1525	78	48	1651	1675	1673	1668	1667	126	150	148	143	142	142	7.6%	8.9%	8.8%	8.6%	8.5%	0	24	22	17	16	16	16	4mtpa @ 11/6
	16:00	1472	57	45	1574	1586	1584	1587	1585	102	114	112	115	113	113	6.5%	7.2%	7.1%	7.2%	7.1%	0	12	10	10	13	11	11	4mtpa @ Current
	17:00	1765	39	41	1845	1853	1852	1858	1856	80	88	87	93	91	91	4.3%	4.7%	4.7%	5.0%	4.9%	0	8	7	13	11	11	11	4mtpa @ No CT
	18:00	1023	31	29	1083	1084	1084	1092	1092	60	61	61	69	69	69	5.5%	5.6%	5.6%	6.3%	6.3%	0	1	1	9	9	9	9	4mtpa @ 24/7
	19:00	622	14	21	657	657	657	663	663	35	35	35	35	41	41	5.3%	5.3%	5.3%	6.2%	6.2%	0	0	0	0	6	6	6	4mtpa @ 11/6
	20:00	442	7	26	475	476	476	482	482	33	34	34	40	40	40	6.9%	7.1%	7.1%	8.3%	8.3%	0	1	1	7	7	7	7	4mtpa @ Current
	21:00	383	6	21	410	411	411	416	415	27	28	28	28	32	32	6.5%	6.8%	6.8%	7.9%	7.7%	0	1	1	6	5	5	5	4mtpa @ No CT
	22:00	299	6	22	327	328	328	331	332	28	29	29	29	32	33	8.5%	8.8%	8.8%	9.6%	9.9%	0	1	1	4	4	4	4	4mtpa @ 24/7&15-10/2
23:00	187	3	24	214	215	215	219	220	27	28	28	28	32	33	12.6%	13.0%	13.0%	14.6%	15.0%	0	1	1	5	6	6	6	4mtpa @ 11/6	
Daily	14704	786	946	16436	16748	16716	16708	16705	1732	2044	2012	2004	2001	2001	10.5%	12.2%	12.0%	12.0%	12.0%	0	312	280	272	269	269	269	4mtpa @ No CT	
% CT of HV																	0.0%	15.3%	13.9%	13.6%	13.4%							
Day (6am-10pm)	13282	710	672	14664	14956	14927	14890	14872	1382	1674	1645	1608	1590	1590	9.4%	11.2%	11.0%	10.8%	10.7%	0	292	263	226	208	208	208	4mtpa @ 24/7	
% CT of HV	1422	76	274	1772	1792	1789	1818	1833	350	370	367	396	411	411	0.0%	17.4%	16.0%	14.1%	13.1%									
Night (10pm-7am)																	0.0%	20.7%	20.5%	21.8%	22.4%	0	20	17	46	61	61	4mtpa @ 11/6
% CT of HV																	0.0%	5.4%	4.6%	11.6%	14.8%							

Direction	2008 Average Weekday																									
	5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																									
	Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks													
	Base Volumes			Trucks				Trucks				Coal Trucks Only			Trucks			Coal Trucks Only								
Time	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
				Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6
0:00	114	10	48	172	172	172	182	184	58	58	58	68	70	33.8%	33.8%	33.8%	37.4%	38.1%	0	0	0	0	10	12	4mtpa @ 24/7	
1:00	56	9	41	106	106	106	115	117	50	50	50	59	61	47.3%	47.3%	47.3%	51.4%	52.2%	0	0	0	0	9	11	4mtpa @ 24/7&15-5-10/2	
2:00	40	8	45	93	94	94	101	105	53	54	54	61	65	57.1%	57.5%	57.5%	60.5%	62.0%	0	1	1	1	8	12	4mtpa @ 24/7&15-5-10/2	
3:00	52	8	59	119	121	121	125	129	67	69	69	73	77	56.4%	57.1%	57.1%	58.5%	59.7%	0	2	2	2	6	10	4mtpa @ 24/7&15-5-10/2	
4:00	108	19	56	183	186	186	194	198	75	78	78	86	90	41.0%	42.0%	42.0%	44.4%	45.5%	0	3	3	3	11	15	4mtpa @ 24/7&15-5-10/2	
5:00	380	31	70	481	487	487	496	500	101	107	107	116	120	21.0%	22.0%	22.0%	23.4%	24.0%	0	6	6	6	15	19	4mtpa @ 24/7&15-5-10/2	
6:00	1002	62	92	1156	1205	1199	1186	1186	154	203	197	177	184	13.3%	16.8%	16.4%	15.0%	15.5%	0	49	43	23	30	30	4mtpa @ 24/7&15-5-10/2	
7:00	1389	119	98	1606	1668	1664	1641	1639	217	279	275	252	250	13.5%	16.7%	16.5%	15.3%	15.2%	0	62	58	35	33	33	4mtpa @ 24/7&15-5-10/2	
8:00	1777	120	106	2003	2058	2052	2040	2038	226	281	275	263	261	11.3%	13.6%	13.4%	12.9%	12.8%	0	55	49	37	35	35	4mtpa @ 24/7&15-5-10/2	
9:00	1300	106	103	1509	1577	1568	1553	1550	209	277	268	253	250	13.8%	17.5%	17.1%	16.3%	16.1%	0	68	59	44	41	41	4mtpa @ 24/7&15-5-10/2	
10:00	1071	116	112	1299	1361	1355	1337	1334	228	290	284	266	263	17.5%	21.3%	20.9%	19.9%	19.7%	0	62	56	38	35	35	4mtpa @ 24/7&15-5-10/2	
11:00	1127	117	119	1363	1425	1419	1402	1398	236	298	292	275	271	17.3%	20.9%	20.6%	19.6%	19.4%	0	62	56	39	35	35	4mtpa @ 24/7&15-5-10/2	
12:00	1171	102	114	1387	1445	1441	1427	1423	216	274	270	256	252	15.5%	18.9%	18.7%	17.9%	17.7%	0	58	54	40	36	36	4mtpa @ 24/7&15-5-10/2	
13:00	1235	112	120	1467	1522	1516	1505	1501	232	287	281	270	266	15.8%	18.8%	18.5%	17.9%	17.7%	0	55	49	38	34	34	4mtpa @ 24/7&15-5-10/2	
14:00	1442	124	99	1665	1722	1714	1702	1699	223	280	272	260	257	13.4%	16.2%	15.9%	15.3%	15.1%	0	57	49	37	34	34	4mtpa @ 24/7&15-5-10/2	
15:00	2094	135	107	2336	2378	2374	2369	2366	242	284	280	275	272	10.3%	11.9%	11.8%	11.6%	11.5%	0	42	38	33	30	30	4mtpa @ 24/7&15-5-10/2	
16:00	2067	96	93	2256	2277	2273	2279	2275	189	210	206	212	208	8.4%	9.2%	9.0%	9.3%	9.1%	0	21	17	23	19	19	4mtpa @ 24/7&15-5-10/2	
17:00	2361	66	81	2508	2519	2518	2532	2529	147	158	157	171	168	5.8%	6.3%	6.2%	6.7%	6.6%	0	11	10	24	21	21	4mtpa @ 24/7&15-5-10/2	
18:00	1517	44	55	1616	1618	1618	1633	1633	99	101	101	116	116	6.1%	6.2%	6.2%	7.1%	7.1%	0	2	2	17	17	17	4mtpa @ 24/7&15-5-10/2	
19:00	931	23	49	1003	1004	1004	1016	1016	72	73	73	85	85	7.1%	7.2%	7.2%	8.3%	8.3%	0	1	1	13	13	13	4mtpa @ 24/7&15-5-10/2	
20:00	654	17	51	722	724	724	735	735	68	70	70	81	81	9.4%	9.6%	9.6%	11.0%	11.0%	0	2	2	13	13	13	4mtpa @ 24/7&15-5-10/2	
21:00	545	17	42	603	605	605	615	613	59	61	61	71	69	9.7%	10.0%	10.0%	11.5%	11.2%	0	2	2	12	10	10	4mtpa @ 24/7&15-5-10/2	
22:00	435	12	49	496	498	498	505	507	61	63	63	70	72	12.3%	12.6%	12.6%	13.8%	14.2%	0	2	2	9	11	11	4mtpa @ 24/7&15-5-10/2	
23:00	277	8	50	335	336	336	345	347	58	59	59	68	70	17.3%	17.5%	17.5%	19.7%	20.1%	0	1	1	10	12	12	4mtpa @ 24/7&15-5-10/2	
Daily	23145	1481	1853	26479	27103	27039	27023	27017	3334	3958	3894	3878	3872	12.6%	14.6%	14.4%	14.4%	14.3%	0	624	560	544	538	538	4mtpa @ 24/7&15-5-10/2	
% CT of HV																										4mtpa @ 24/7&15-5-10/2
Day (6am-10pm)	20681	1314	1343	23338	23898	23840	23781	23744	2657	3217	3159	3100	3063	11.4%	13.5%	13.3%	13.0%	12.9%	0	560	502	443	406	406	4mtpa @ 24/7&15-5-10/2	
% CT of HV																										4mtpa @ 24/7&15-5-10/2
Night (10pm-7am)	2464	167	510	3141	3205	3199	3242	3273	677	741	735	778	809	21.6%	23.1%	23.0%	24.0%	24.7%	0	64	58	101	132	132	4mtpa @ 24/7&15-5-10/2	
% CT of HV																										4mtpa @ 24/7&15-5-10/2

2008 Average Weekday

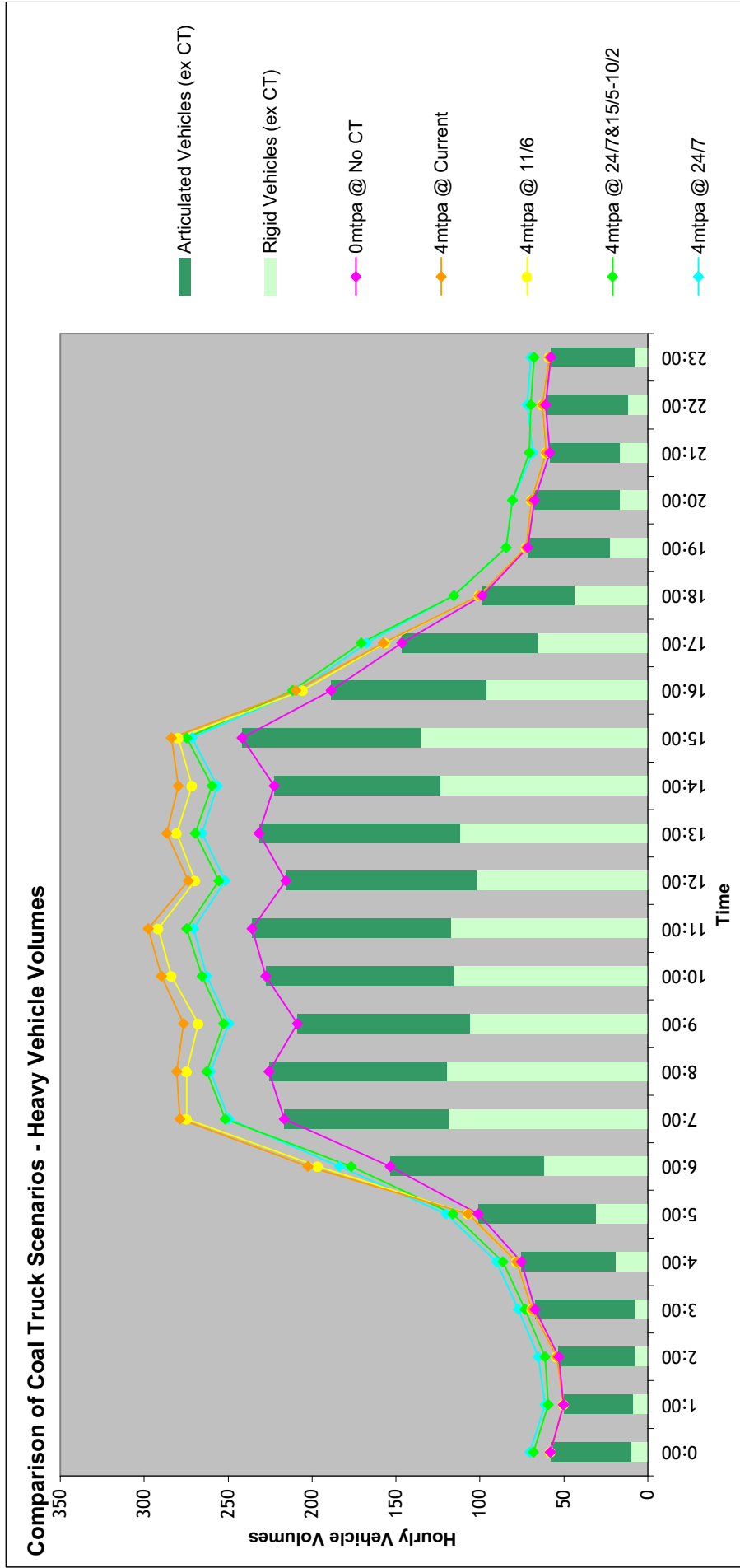
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



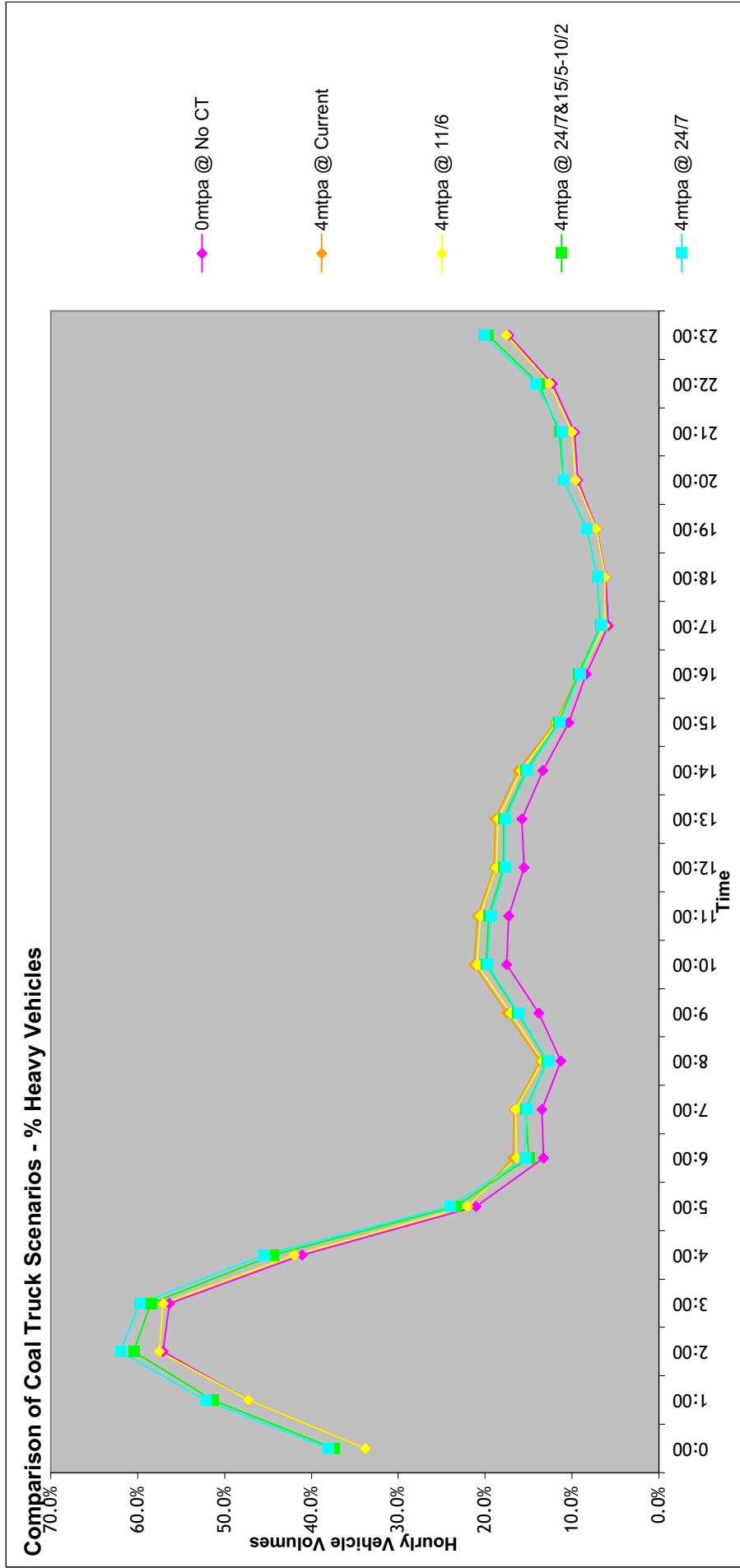
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

Direction	2008 Average Weekend																															
	5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd								% Heavy Vehicles Including Coal Trucks																							
Time	Base Volumes				Total Vehicles Including Coal Trucks				Trucks				% Heavy Vehicles Including Coal Trucks																			
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H														
	78	4	18	100	100	100	104	106	4mtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	4mtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	4mtpa @ 24/7								
0:00	51	1	17	69	69	69	73	75	63	18	18	18	22	22	22	22	22	24	25.6%	21.7%	21.7%	21.7%	21.7%	24.7%	26.1%	0	0	0	0	4	6	
1:00	42	2	17	61	62	62	62	63	19	20	20	20	20	20	21	30.7%	31.8%	31.8%	31.8%	32.9%	0	1	1	1	1	2	0	0	0	0	4	2
2:00	24	1	16	41	42	42	44	45	17	18	18	18	20	21	40.9%	42.3%	42.3%	42.3%	44.9%	46.2%	0	1	1	1	1	3	0	0	0	1	3	4
3:00	36	4	17	57	59	59	61	62	21	23	23	25	26	36.4%	38.6%	38.6%	38.6%	40.6%	41.6%	0	2	2	2	2	4	5	0	0	0	2	4	5
4:00	97	8	16	121	127	126	128	129	24	30	29	31	32	19.6%	23.4%	22.8%	22.8%	24.0%	24.6%	0	6	5	5	7	8	0	0	0	6	5	7	8
5:00	202	19	16	237	269	264	250	256	35	67	62	48	54	14.7%	24.9%	23.4%	23.4%	24.9%	21.0%	0	32	27	27	13	19	0	0	0	32	27	13	19
6:00	163	28	27	218	247	242	228	234	55	84	79	65	71	25.2%	34.0%	32.6%	28.4%	30.3%	0	29	24	24	10	16	0	0	0	0	29	24	10	16
7:00	235	17	17	269	301	297	289	288	34	66	62	54	53	12.6%	21.9%	20.8%	18.6%	18.3%	0	32	28	28	20	19	0	0	0	0	32	28	20	19
8:00	336	20	28	384	423	420	409	407	48	87	84	73	71	12.5%	20.5%	20.0%	17.8%	17.4%	0	39	36	25	23	0	0	0	0	0	39	36	25	23
9:00	434	19	30	483	516	513	504	501	49	82	79	70	67	10.1%	15.9%	15.4%	13.9%	13.3%	0	33	30	21	18	0	0	0	0	0	33	30	21	18
10:00	462	22	18	502	534	531	523	521	40	72	69	61	59	7.9%	13.5%	13.0%	11.6%	11.3%	0	32	29	21	19	0	0	0	0	0	32	29	21	19
11:00	475	18	19	512	542	539	531	530	37	67	64	56	55	7.2%	12.3%	11.8%	10.5%	10.3%	0	30	27	19	18	0	0	0	0	0	30	27	19	18
12:00	388	15	25	428	457	454	449	449	40	69	66	61	61	9.3%	15.1%	14.5%	13.5%	13.5%	0	29	26	21	21	0	0	0	0	0	29	26	21	21
13:00	415	17	19	451	476	474	469	468	36	61	59	54	53	7.9%	12.8%	12.4%	11.5%	11.3%	0	25	23	18	17	0	0	0	0	0	25	23	18	17
14:00	375	15	19	409	421	420	426	423	34	46	45	51	48	8.3%	10.9%	10.7%	11.9%	11.3%	0	12	11	17	14	0	0	0	0	0	12	11	17	14
15:00	364	13	17	394	397	397	406	404	30	33	33	42	40	7.6%	8.3%	8.3%	10.3%	9.9%	0	3	3	12	10	0	0	0	0	0	3	3	12	10
16:00	335	10	16	361	364	364	369	369	26	29	29	34	34	7.2%	7.9%	7.9%	9.2%	9.2%	0	3	3	8	8	0	0	0	0	0	3	3	8	8
17:00	342	11	6	359	360	360	365	366	17	18	18	23	24	4.7%	4.9%	4.9%	6.2%	6.5%	0	1	1	6	7	0	0	0	0	0	1	1	6	7
18:00	203	5	7	215	216	216	218	219	12	13	13	15	16	5.5%	5.9%	5.9%	6.8%	7.2%	0	1	1	3	4	0	0	0	0	0	1	1	3	4
19:00	154	12	10	176	177	177	180	181	22	23	23	26	27	12.4%	12.9%	12.9%	14.3%	14.8%	0	1	1	4	5	0	0	0	0	0	1	1	4	5
20:00	143	1	5	149	150	150	152	153	6	7	7	9	10	3.9%	4.5%	4.5%	5.8%	6.4%	0	1	1	3	4	0	0	0	0	0	1	1	3	4
21:00	144	5	12	161	161	161	165	167	17	17	17	21	23	10.5%	10.5%	10.5%	12.7%	13.7%	0	0	0	4	6	0	0	0	0	0	0	0	4	6
22:00	94	3	4	101	101	101	107	109	7	7	7	13	15	6.8%	6.8%	6.8%	12.1%	13.7%	0	0	0	6	8	0	0	0	0	0	0	0	6	8
23:00	5592	270	390	6252	6565	6532	6506	6519	660	973	940	914	927	10.6%	14.8%	14.4%	14.1%	14.2%	0	313	280	254	267	0	0	0	0	0	313	280	254	267
% CT of HV																																
Day (6am-10pm)	4824	223	260	5307	5578	5551	5515	5510	483	754	727	691	686	9.1%	13.5%	13.1%	12.5%	12.4%	0	271	244	208	203	0	0	0	0	0	271	244	208	203
% CT of HV																																
Night (10pm-7am)	768	47	130	945	987	981	991	1009	177	219	213	223	241	18.7%	22.2%	21.7%	22.5%	23.9%	0	42	36	46	64	0	0	0	0	0	42	36	46	64
% CT of HV																																

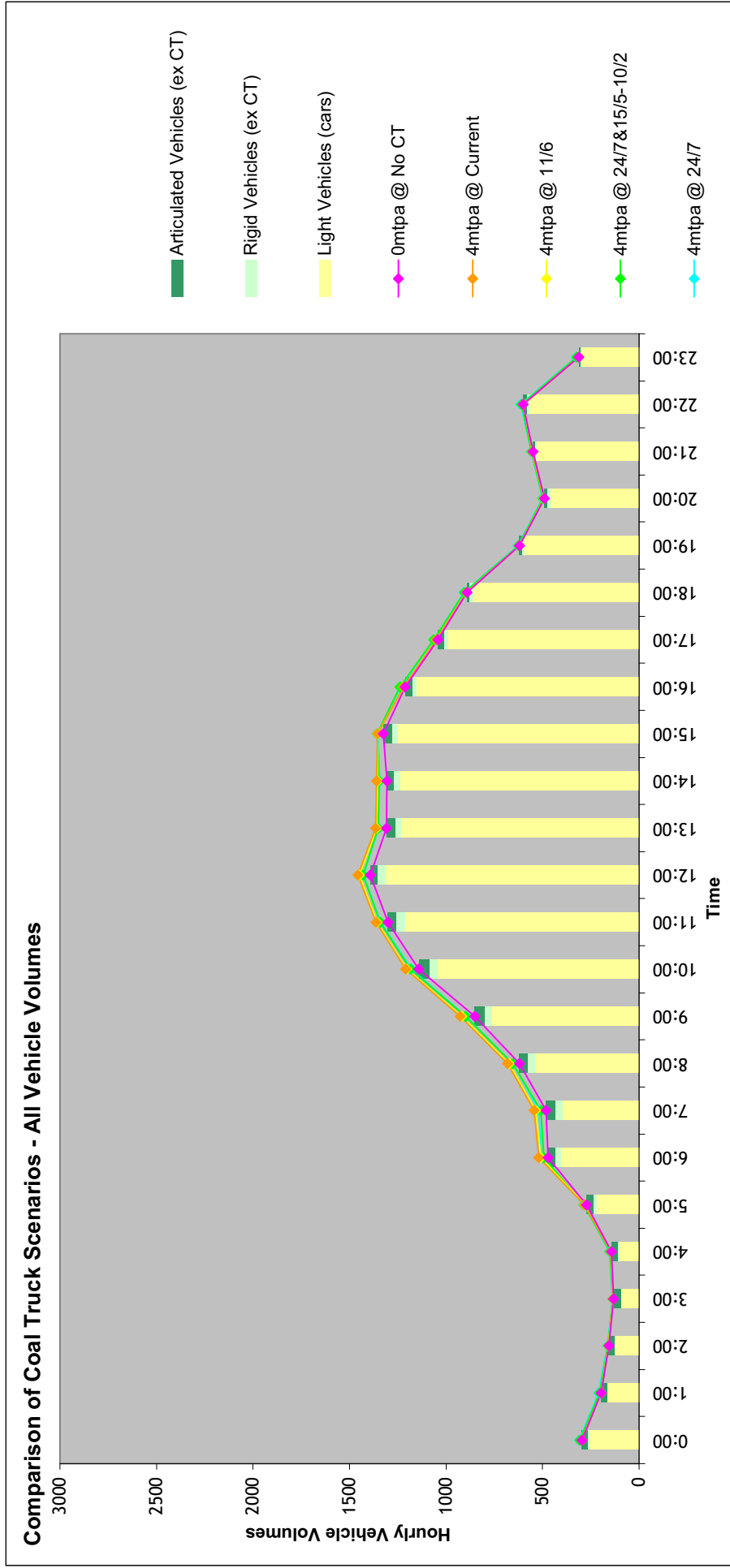
		2008 Average Weekend																									
		5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd				Trucks				Total Heavy Vehicles Including Coal				% Heavy Vehicles Including Coal Trucks													
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal				% Heavy Vehicles Including Coal Trucks													
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H							
Northbound (from PKT)	0:00	181	3	13	197	197	197	203	205	16	16	16	22	24	7.9%	7.9%	7.9%	10.7%	11.5%	0	0	0	0	0	0	6	8
	1:00	112	1	16	129	129	129	133	135	17	17	17	21	23	12.9%	12.9%	12.9%	15.5%	16.8%	0	0	0	0	0	0	4	4
	2:00	82	1	14	97	97	97	100	101	15	15	15	18	19	15.1%	15.1%	15.1%	17.7%	18.5%	0	0	0	0	0	0	3	4
	3:00	68	1	23	92	93	93	93	94	24	25	25	25	26	25.8%	26.6%	26.6%	26.6%	27.3%	0	1	1	1	1	1	1	2
	4:00	67	4	16	87	88	88	90	91	20	21	21	23	24	22.6%	23.5%	23.5%	25.2%	26.0%	0	1	1	1	1	1	3	4
	5:00	122	6	24	152	157	156	157	158	30	35	34	35	36	19.5%	22.1%	21.6%	22.1%	22.6%	0	5	4	0	0	0	5	6
	6:00	203	11	21	235	250	246	242	247	32	47	43	39	44	13.5%	18.7%	17.4%	16.0%	17.8%	0	15	11	7	12	7	12	12
	7:00	235	7	23	265	298	294	281	285	30	63	59	46	50	11.3%	21.1%	20.0%	16.3%	17.5%	0	33	29	16	20	20	16	20
	8:00	305	20	25	350	381	377	365	367	45	76	72	60	62	12.8%	19.9%	19.1%	16.4%	16.8%	0	31	27	15	17	17	15	17
	9:00	429	15	24	468	503	498	492	490	39	74	69	63	61	8.3%	14.7%	13.8%	12.8%	12.4%	0	35	30	24	22	22	24	22
	10:00	611	23	26	660	694	692	680	678	49	83	81	69	67	7.4%	11.9%	11.7%	10.1%	9.9%	0	34	32	20	18	18	34	20
	11:00	749	25	24	798	829	826	819	817	49	80	77	70	68	6.1%	9.6%	9.3%	8.5%	8.3%	0	31	28	21	19	19	31	21
	12:00	840	21	19	880	914	911	899	898	40	74	71	59	58	4.5%	8.1%	7.8%	6.5%	6.4%	0	34	31	19	18	18	34	19
	13:00	849	15	18	882	910	907	902	901	33	61	58	53	52	3.7%	6.7%	6.4%	5.9%	5.8%	0	28	25	20	19	19	28	20
	14:00	825	15	16	856	885	882	877	877	31	60	57	52	52	3.6%	6.8%	6.4%	5.9%	5.9%	0	29	26	21	21	21	29	21
	15:00	877	15	23	915	935	934	932	929	38	58	57	55	52	4.1%	6.2%	6.1%	5.9%	5.6%	0	20	19	17	14	14	20	17
	16:00	791	10	16	817	824	824	833	830	26	33	33	42	39	3.2%	4.0%	4.0%	5.0%	4.7%	0	7	7	7	16	13	7	13
	17:00	655	10	17	682	687	687	695	694	27	32	32	40	39	3.9%	4.6%	4.6%	5.7%	5.6%	0	5	5	5	13	12	5	13
	18:00	517	11	6	534	535	535	539	541	17	18	18	22	24	3.1%	3.3%	3.3%	4.0%	4.4%	0	1	1	1	5	7	1	5
	19:00	392	6	6	404	404	404	407	408	12	12	12	15	16	2.9%	2.9%	2.9%	3.6%	3.9%	0	0	0	0	3	4	0	3
	20:00	304	4	7	315	316	316	319	320	11	12	12	15	16	3.4%	3.7%	3.7%	4.6%	4.9%	0	1	1	1	4	5	1	4
	21:00	391	4	7	402	403	403	405	406	11	12	12	14	15	2.7%	2.9%	2.9%	3.4%	3.6%	0	1	1	1	3	4	1	3
	22:00	427	5	8	440	441	441	444	446	13	14	14	17	19	2.9%	3.2%	3.2%	3.8%	4.2%	0	1	1	1	4	6	1	4
23:00	205	2	5	212	212	212	216	218	7	7	7	11	13	3.3%	3.3%	3.3%	5.1%	5.9%	0	0	0	0	4	6	0	4	
Daily	10237	235	391	10863	11176	11143	11117	11130	626	939	906	880	893	5.8%	8.4%	8.1%	7.9%	8.0%	0	313	280	254	267	267	254	267	
% CT of HV														0.0%	33.3%	30.9%	28.9%	29.9%									
Day (6am-10pm)	8770	201	254	9225	9515	9487	9442	9438	455	745	717	672	668	4.9%	7.8%	7.6%	7.1%	7.1%	0	290	262	217	213	213	217	213	
% CT of HV														0.0%	38.9%	36.5%	32.3%	31.9%									
Night (10pm-7am)	1467	34	137	1638	1661	1656	1675	1692	171	194	189	208	225	10.5%	11.7%	11.4%	12.4%	13.3%	0	23	18	37	54	54	37	54	
% CT of HV														0.0%	11.8%	9.5%	17.8%	24.0%									

2008 Average Weekend
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd

Direction	Total Vehicles Including Coal Trucks											Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only						
	Base Volumes			Total Vehicles Including Coal Trucks			Total Heavy Vehicles Including Coal Trucks			Trucks			% Heavy Vehicles Including Coal Trucks			Coal Trucks Only			Coal Trucks Only			Coal Trucks Only								
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H		
Two-Way	Time																													
	0:00	259	7	30	296	296	306	310	37	37	37	47	51	12.6%	12.6%	12.6%	15.4%	16.5%	0	0	0	0	10	14						
	1:00	163	2	32	197	197	205	209	34	34	34	42	46	17.3%	17.3%	17.3%	20.6%	22.1%	0	0	0	8	12							
	2:00	124	3	30	157	158	161	163	33	34	34	37	39	21.1%	21.6%	21.6%	23.1%	24.0%	0	1	1	4	6							
	3:00	92	2	38	132	134	136	138	40	42	42	44	46	30.4%	31.4%	31.4%	32.4%	33.4%	0	2	2	4	6							
	4:00	103	8	32	143	146	146	150	40	43	43	47	49	28.1%	29.5%	29.5%	31.4%	32.3%	0	3	3	7	9							
	5:00	219	14	39	272	283	281	284	53	64	62	65	67	19.5%	22.7%	22.1%	22.9%	23.5%	0	11	9	12	14							
	6:00	405	30	37	472	519	510	492	65	114	105	87	98	14.1%	21.9%	20.5%	17.6%	19.4%	0	47	38	20	31							
	7:00	398	35	50	483	545	536	509	85	147	138	111	121	17.5%	26.9%	25.7%	21.7%	23.3%	0	62	53	26	36							
	8:00	540	37	42	619	682	674	654	79	142	134	114	115	12.7%	20.8%	19.8%	17.4%	17.5%	0	63	55	35	36							
	9:00	765	35	52	852	926	918	901	897	87	161	153	136	132	10.2%	17.4%	16.6%	15.1%	14.7%	0	74	66	49	45						
	10:00	1045	42	56	1143	1210	1205	1184	1179	98	165	160	139	134	8.5%	13.6%	13.3%	11.7%	11.3%	0	67	62	41	36						
	11:00	1211	47	42	1300	1363	1357	1342	1338	89	152	146	131	127	6.8%	11.1%	10.7%	9.7%	9.5%	0	63	57	42	38						
	12:00	1315	39	38	1392	1456	1450	1430	1428	77	141	135	115	113	5.5%	9.7%	9.3%	8.0%	7.9%	0	64	58	38	36						
	13:00	1237	30	43	1310	1367	1361	1351	1350	73	130	124	114	113	5.5%	9.5%	9.1%	8.4%	8.3%	0	57	51	41	40						
	14:00	1240	32	35	1307	1361	1356	1346	1345	67	121	116	106	105	5.1%	8.9%	8.5%	7.8%	7.8%	0	54	49	39	38						
	15:00	1252	30	42	1324	1356	1354	1358	1352	72	104	102	106	100	5.4%	7.6%	7.5%	7.8%	7.4%	0	32	30	34	28						
	16:00	1155	23	33	1211	1221	1221	1239	1234	56	66	66	84	79	4.6%	5.4%	5.4%	6.8%	6.4%	0	10	10	28	23						
	17:00	990	20	33	1043	1051	1051	1064	1063	53	61	61	74	73	5.0%	5.8%	5.8%	6.9%	6.8%	0	8	8	21	20						
	18:00	859	22	12	893	895	895	904	907	34	36	36	45	48	3.8%	4.0%	4.0%	4.9%	5.2%	0	2	2	11	14						
	19:00	595	11	13	619	620	620	625	627	24	25	25	30	32	3.8%	4.0%	4.0%	4.7%	5.0%	0	1	1	6	8						
	20:00	458	16	17	491	493	493	499	501	33	35	35	41	43	6.6%	7.0%	7.0%	8.1%	8.5%	0	2	2	8	10						
	21:00	534	5	12	550	552	552	556	558	17	19	19	23	25	3.0%	3.4%	3.4%	4.0%	4.4%	0	2	2	6	8						
	22:00	571	10	20	601	602	602	609	613	30	31	31	38	42	5.0%	5.1%	5.1%	6.2%	6.8%	0	1	1	8	12						
23:00	299	5	9	313	313	313	323	327	14	14	14	24	28	4.4%	4.4%	4.4%	7.4%	8.5%	0	0	0	10	14							
Daily	15829	505	781	17115	17741	17675	17623	17649	1286	1912	1846	1794	1820	7.5%	10.8%	10.4%	10.2%	10.3%	0	626	560	508	534							
% CT of HV														0.0%	32.7%	30.3%	28.3%	29.3%												
Day (6am-10pm)	13594	424	514	14532	15093	15038	14957	14948	938	1499	1444	1363	1354	6.5%	9.9%	9.6%	9.1%	9.1%	0	561	506	425	416							
% CT of HV														0.0%	37.4%	35.0%	31.2%	30.7%												
Night (10pm-7am)	2235	81	267	2583	2648	2637	2666	2701	348	413	402	431	466	13.5%	15.6%	15.3%	16.2%	17.3%	0	65	54	83	118							
% CT of HV														0.0%	15.7%	13.4%	19.2%	25.3%												

2008 Average Weekend

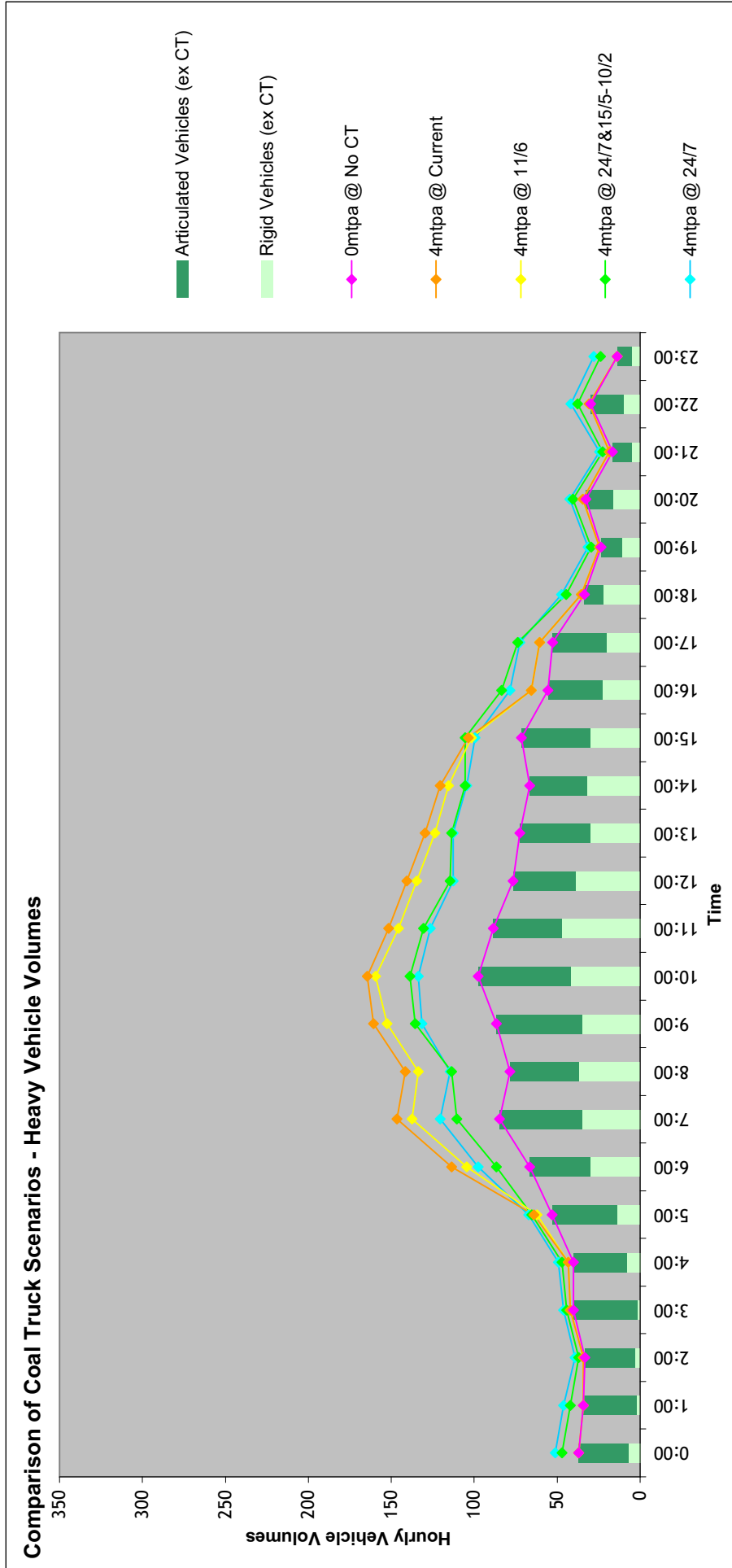
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

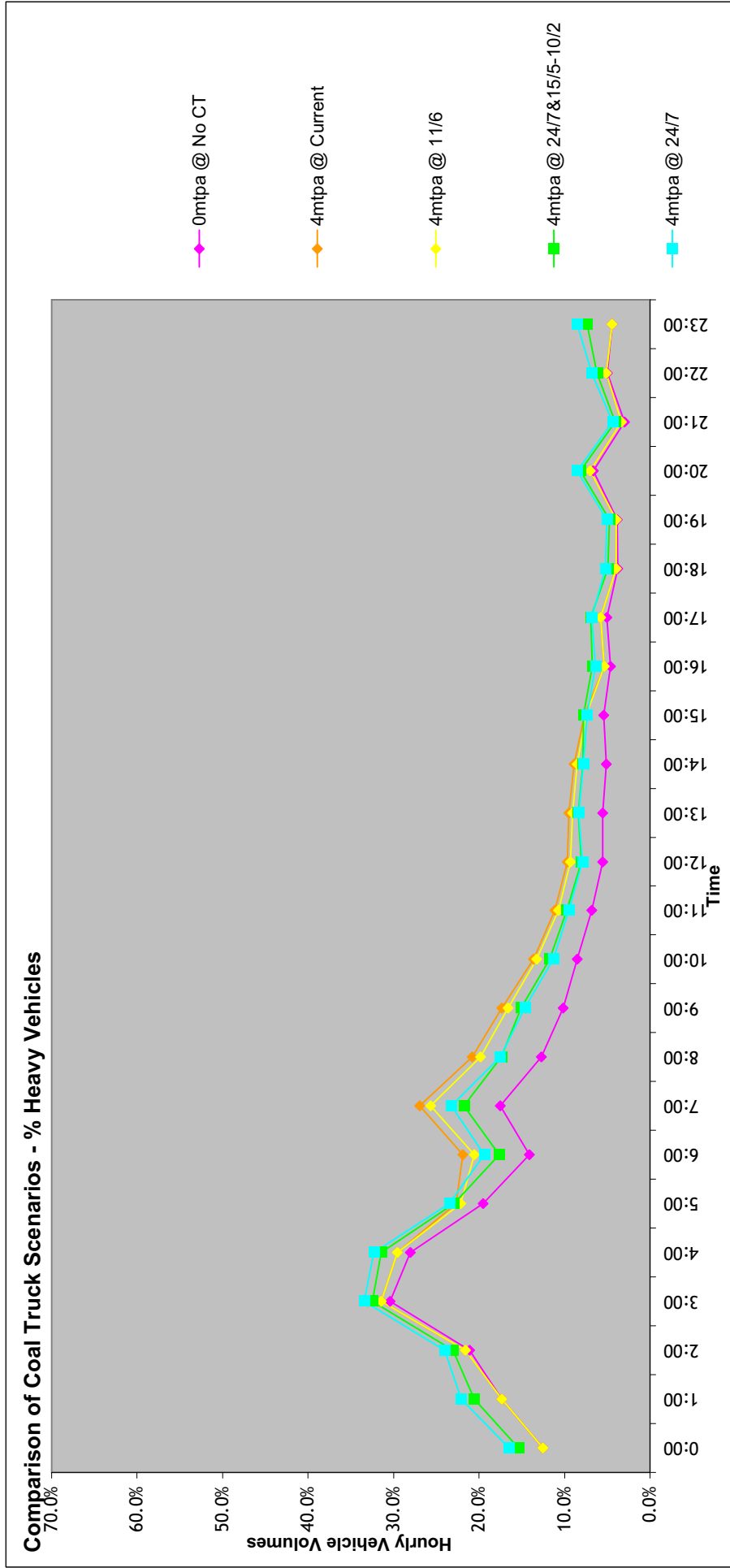
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

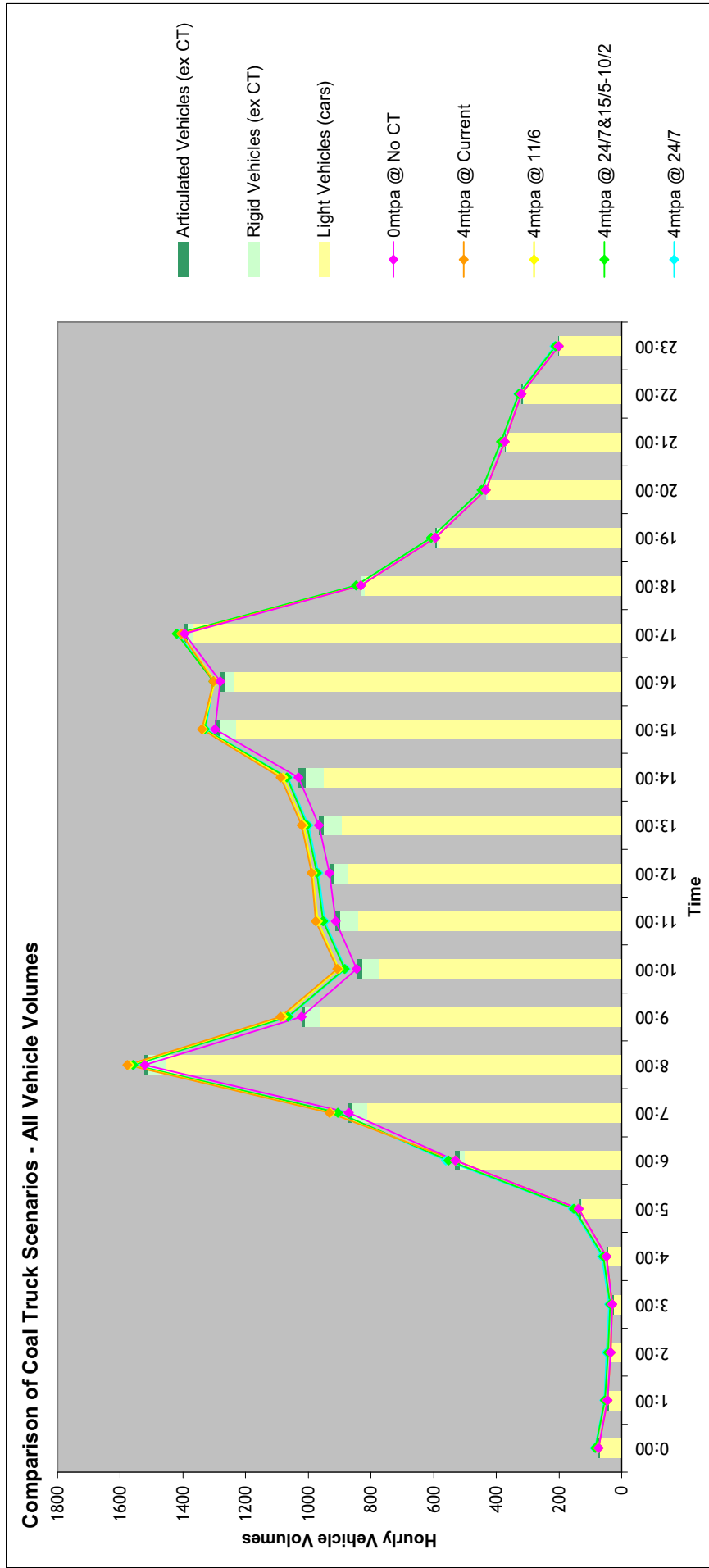
			2008 Average Weekday 6. Springhill Road, Coniston Between Masters Rd and Corrimal St																									
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				Coal Trucks Only														
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	BX	B	E	H	A	BX	B	E	H	A	BX	B	E	H									
																				Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	Omtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7	Omtpa @ No CT
	0:00	46	0	1	47	47	47	52	53	1	1	1	6	7	3.1%	3.1%	3.1%	12.3%	14.0%	4mtpa @ 24/7	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	0mtpa @ No CT	4mtpa @ Current	4mtpa @ 11/6	4mtpa @ 24/7&15-5-10/2	
	1:00	25	0	1	26	26	26	30	31	1	1	1	5	6	5.6%	5.6%	5.6%	18.0%	20.6%									
	2:00	19	0	1	20	20	20	24	24	1	1	1	5	7	7.2%	7.2%	7.2%	22.4%	28.2%									
	3:00	11	0	1	12	12	12	15	17	1	1	1	4	6	11.8%	11.8%	11.8%	28.9%	37.0%									
	4:00	16	0	1	17	17	17	24	26	1	1	1	8	10	8.4%	8.4%	8.4%	34.6%	39.6%									
	5:00	48	0	1	49	49	49	57	59	1	1	1	9	11	3.0%	3.0%	3.0%	16.5%	19.3%									
	6:00	215	0	3	218	218	218	232	236	3	3	3	17	21	1.2%	1.2%	1.2%	7.2%	8.8%									
	7:00	290	10	6	306	329	327	321	319	16	39	37	31	29	5.1%	11.8%	11.2%	9.6%	9.0%			0	23	21	15	13		
	8:00	418	28	6	452	480	477	471	470	34	62	59	53	52	7.5%	12.9%	12.3%	11.2%	11.0%			0	28	25	19	18		
	9:00	333	27	5	365	404	399	389	388	32	71	66	56	55	8.7%	17.5%	16.5%	14.3%	14.1%			0	39	34	24	23		
	10:00	339	26	8	373	403	400	392	390	34	64	61	53	51	9.0%	15.8%	15.2%	13.4%	13.0%			0	30	27	19	17		
	11:00	391	30	7	428	460	457	448	446	37	69	66	57	55	8.6%	14.9%	14.4%	12.7%	12.3%			0	32	29	20	18		
	12:00	417	20	8	445	472	470	464	462	28	55	53	47	45	6.2%	11.6%	11.2%	10.1%	9.7%			0	27	25	19	17		
	13:00	460	28	8	496	524	521	516	514	36	64	61	56	54	7.2%	12.2%	11.7%	10.8%	10.5%			0	28	25	20	18		
	14:00	494	30	13	537	564	560	554	553	43	70	66	60	59	8.0%	12.4%	11.7%	10.8%	10.6%			0	27	23	17	16		
	15:00	601	27	9	637	655	653	653	651	36	54	52	52	50	5.6%	8.2%	7.9%	7.9%	7.6%			0	18	16	16	14		
	16:00	626	15	9	650	658	656	659	658	24	32	30	33	32	3.6%	4.8%	4.5%	5.0%	4.8%			0	8	6	6	8		
	17:00	763	9	6	778	782	782	790	788	15	19	19	27	25	1.9%	2.4%	2.4%	3.4%	3.1%			0	4	4	12	10		
	18:00	376	7	2	385	385	385	393	393	9	9	9	9	17	2.2%	2.2%	2.2%	4.2%	4.2%									
	19:00	273	4	3	280	280	280	287	287	7	7	7	14	14	2.3%	2.3%	2.3%	4.7%	4.7%									
	20:00	242	2	1	245	245	245	251	251	3	3	3	9	9	1.0%	1.0%	1.0%	3.4%	3.4%									
	21:00	219	4	1	223	223	223	229	228	5	5	5	11	10	2.0%	2.0%	2.0%	4.6%	4.2%									
	22:00	200	1	1	202	202	202	207	208	2	2	2	7	8	0.9%	0.9%	0.9%	3.3%	3.7%									
	23:00	127	2	1	130	130	130	135	136	3	3	3	8	9	2.1%	2.1%	2.1%	5.8%	6.5%									
	Daily	6948	270	100	7318	7582	7553	7590	7587	370	634	605	642	639	5.1%	8.4%	8.0%	8.5%	8.4%			0	264	235	272	269		
	% CT of HV														0.0%	41.7%	38.9%	42.4%	42.1%									
	Day (6am-10pm)	6242	267	87	6595	6859	6830	6812	6793	354	618	589	571	552	5.4%	9.0%	8.6%	8.4%	8.1%			0	264	235	217	198		
	% CT of HV														0.0%	42.7%	39.9%	38.0%	35.9%									
	Night (10pm-7am)	707	3	13	723	723	723	778	794	16	16	16	71	87	2.2%	2.2%	2.2%	9.1%	11.0%			0	0	0	55	71		
	% CT of HV														0.0%	0.0%	0.0%	77.4%	81.6%									

Direction		2008 Average Weekday																							
		6. Springhill Road, Coniston Between Masters Rd and Corrimal St																							
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
						Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7
Time		24	1	1	1	26	26	26	31	32	2	2	2	7	8	9.3%	9.3%	9.3%	23.7%	26.1%	0	0	0	5	6
0:00		17	0	1	1	18	18	18	23	24	1	1	1	6	7	8.0%	8.0%	8.0%	27.6%	30.5%	0	0	0	5	6
1:00		14	0	1	1	15	15	15	19	21	1	1	1	5	7	9.5%	9.5%	9.5%	28.1%	34.8%	0	0	0	4	6
2:00		15	1	2	2	18	18	18	21	23	3	3	3	6	8	18.8%	18.8%	18.8%	30.1%	36.1%	0	0	0	3	5
3:00		27	1	2	2	30	30	30	34	36	3	3	3	7	9	11.4%	11.4%	11.4%	21.7%	26.0%	0	0	0	4	6
4:00		79	4	4	4	87	87	87	94	96	8	8	8	15	17	9.7%	9.7%	9.7%	16.4%	18.1%	0	0	0	7	9
5:00		288	14	11	11	313	313	313	322	325	25	25	25	34	37	7.9%	7.9%	7.9%	10.5%	11.3%	0	0	0	9	12
6:00		522	37	6	6	565	605	603	586	585	43	83	81	64	63	7.6%	13.7%	13.4%	10.9%	10.7%	0	40	38	21	20
7:00		1035	30	9	9	1071	1098	1095	1089	1088	36	63	60	54	53	3.3%	5.7%	5.5%	4.9%	4.8%	0	27	24	18	17
8:00		628	24	5	5	657	685	681	676	675	29	57	53	48	47	4.4%	8.3%	7.7%	7.1%	6.9%	0	28	24	19	18
9:00		437	27	10	10	474	506	503	493	492	37	69	66	56	55	7.7%	13.6%	13.1%	11.3%	11.1%	0	32	29	19	18
10:00		450	29	7	7	486	516	513	505	503	36	66	63	55	53	7.3%	12.7%	12.2%	10.8%	10.5%	0	30	27	19	17
11:00		459	22	7	7	488	519	517	509	507	29	60	58	50	48	5.9%	11.5%	11.2%	9.8%	9.4%	0	31	29	21	19
12:00		434	29	8	8	471	498	495	489	487	37	64	61	55	53	7.8%	12.8%	12.3%	11.2%	10.8%	0	27	24	18	16
13:00		457	29	9	9	495	525	521	515	513	38	68	64	58	56	7.6%	12.9%	12.2%	11.2%	10.9%	0	30	26	20	18
14:00		630	25	6	6	661	685	683	678	677	31	55	53	48	47	4.6%	8.0%	7.7%	7.0%	6.9%	0	24	22	17	16
15:00		609	14	8	8	631	645	642	645	643	22	36	33	36	34	3.4%	5.5%	5.1%	5.5%	5.2%	0	14	11	14	12
16:00		607	7	4	4	618	624	624	631	629	11	17	17	24	22	1.7%	2.7%	2.7%	3.8%	3.4%	0	6	6	13	11
17:00		444	3	1	1	448	448	448	456	456	4	4	4	4	12	0.8%	0.8%	0.8%	2.5%	2.5%	0	0	0	8	8
18:00		310	3	2	2	315	315	315	321	321	5	5	5	11	11	1.4%	1.4%	1.4%	3.3%	3.3%	0	0	0	6	6
19:00		187	2	1	1	190	190	190	197	197	3	3	3	10	10	1.3%	1.3%	1.3%	4.9%	4.9%	0	0	0	7	7
20:00		148	1	1	1	149	149	149	155	154	2	2	2	8	7	1.0%	1.0%	1.0%	4.8%	4.2%	0	0	0	6	5
21:00		114	2	2	2	118	118	118	122	123	4	4	4	8	9	3.2%	3.2%	3.2%	6.4%	7.1%	0	0	0	4	5
22:00		70	1	1	1	72	72	72	77	78	2	2	2	7	8	2.4%	2.4%	2.4%	8.8%	10.0%	0	0	0	5	6
23:00		8004	306	103	103	8413	8702	8673	8685	8682	409	698	669	681	678	4.9%	8.0%	7.7%	7.8%	7.8%	0	289	260	272	269
% CT of HV																									
Day (6am-10pm)																									
% CT of HV																									
Night (10pm-7am)																									
% CT of HV																									

		2008 Average Weekday 6. Springhill Road, Coniston Between Masters Rd and Corrimal St																								
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Coal Trucks Only									
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
							Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7
	0:00	70	1	3	74	74	74	74	84	86	4	4	4	14	16	5.3%	5.3%	5.3%	16.6%	18.6%	0	0	0	0	10	12
	1:00	42	0	3	45	45	45	54	54	56	3	3	3	12	14	6.5%	6.5%	6.5%	22.1%	24.9%	0	0	0	0	8	11
	2:00	33	0	3	36	36	36	44	44	48	3	3	3	11	15	8.2%	8.2%	8.2%	24.9%	31.2%	0	0	0	0	8	12
	3:00	26	1	4	31	31	31	37	37	41	5	5	5	11	15	16.0%	16.0%	16.0%	29.6%	36.5%	0	0	0	0	6	10
	4:00	43	1	4	48	48	48	59	59	63	5	5	5	16	20	10.3%	10.3%	10.3%	27.0%	31.7%	0	0	0	0	11	15
	5:00	127	4	6	137	137	137	152	152	156	10	10	10	25	29	7.3%	7.3%	7.3%	16.4%	18.6%	0	0	0	0	15	19
	6:00	503	14	13	530	530	530	553	553	560	27	27	27	70	84	5.2%	5.2%	5.2%	9.1%	10.2%	0	0	0	0	23	30
	7:00	812	47	11	870	933	929	906	906	903	58	121	117	94	91	6.7%	13.0%	12.6%	10.4%	10.1%	0	63	59	49	37	33
	8:00	1453	58	11	1522	1577	1571	1559	1557	1557	69	124	118	106	104	4.6%	7.9%	7.5%	6.8%	6.7%	0	55	49	37	35	35
	9:00	961	51	9	1021	1088	1079	1064	1064	1062	60	127	118	103	101	5.9%	11.7%	11.0%	9.7%	9.5%	0	67	58	43	41	41
	10:00	776	53	17	846	908	902	884	884	881	70	132	126	108	105	8.3%	14.6%	14.0%	12.3%	12.0%	0	62	56	38	35	35
	11:00	841	59	13	913	975	969	952	948	948	72	134	128	111	107	7.9%	13.8%	13.2%	11.7%	11.3%	0	62	56	39	35	35
	12:00	876	42	14	932	990	986	972	968	968	56	114	110	96	92	6.0%	11.5%	11.2%	9.9%	9.5%	0	58	54	40	36	36
	13:00	894	57	15	966	1021	1015	1004	1000	1000	72	127	121	110	106	7.5%	12.5%	12.0%	11.0%	10.6%	0	55	49	38	34	34
	14:00	951	59	21	1031	1088	1080	1068	1065	1065	80	137	129	117	114	7.8%	12.6%	12.0%	11.0%	10.7%	0	57	49	37	34	34
	15:00	1231	52	14	1297	1339	1335	1330	1327	1327	66	108	104	99	96	5.1%	8.1%	7.8%	7.5%	7.3%	0	42	38	33	30	30
	16:00	1235	29	16	1280	1302	1297	1303	1300	1300	45	67	62	68	65	3.5%	5.2%	4.8%	5.2%	5.0%	0	22	17	23	20	20
	17:00	1370	16	9	1395	1405	1405	1420	1416	1416	25	35	35	50	46	1.8%	2.5%	2.5%	3.5%	3.3%	0	10	10	25	21	21
	18:00	820	10	2	832	832	832	848	848	848	12	12	12	28	28	1.5%	1.5%	1.5%	3.3%	3.3%	0	0	0	16	16	16
	19:00	583	7	4	594	594	594	607	607	607	11	11	11	24	24	1.9%	1.9%	1.9%	4.0%	4.0%	0	0	0	13	13	13
	20:00	429	4	1	434	434	434	447	447	447	5	5	5	18	18	1.2%	1.2%	1.2%	4.0%	4.0%	0	0	0	13	13	13
	21:00	367	5	1	373	373	373	385	383	383	6	6	6	18	16	1.6%	1.6%	1.6%	4.7%	4.2%	0	0	0	12	10	10
	22:00	314	3	3	319	319	319	328	330	330	6	6	6	15	17	1.7%	1.7%	1.7%	4.4%	5.0%	0	0	0	9	11	11
	23:00	197	3	2	202	202	202	212	214	214	5	5	5	15	17	2.2%	2.2%	2.2%	6.9%	7.7%	0	0	0	10	12	12
	Daily	14953	576	202	15731	16284	16226	16275	16269	16269	778	1331	1273	1322	1316	4.9%	8.2%	7.8%	8.1%	8.1%	0	553	495	544	538	538
	% CT of HV															0.0%	41.5%	38.9%	41.1%	40.9%						
	Day (6am-10pm)	13598	549	162	14310	14863	14805	14753	14716	14716	711	1264	1206	1154	1117	5.0%	8.5%	8.1%	7.8%	7.6%	0	553	495	443	406	406
	% CT of HV															0.0%	43.7%	41.0%	38.4%	36.3%						
	Night (10pm-7am)	1354	27	40	1421	1421	1421	1522	1553	1553	67	67	67	168	199	4.7%	4.7%	4.7%	11.0%	12.8%	0	0	0	101	132	132
	% CT of HV															0.0%	0.0%	0.0%	60.1%	66.3%						

2008 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



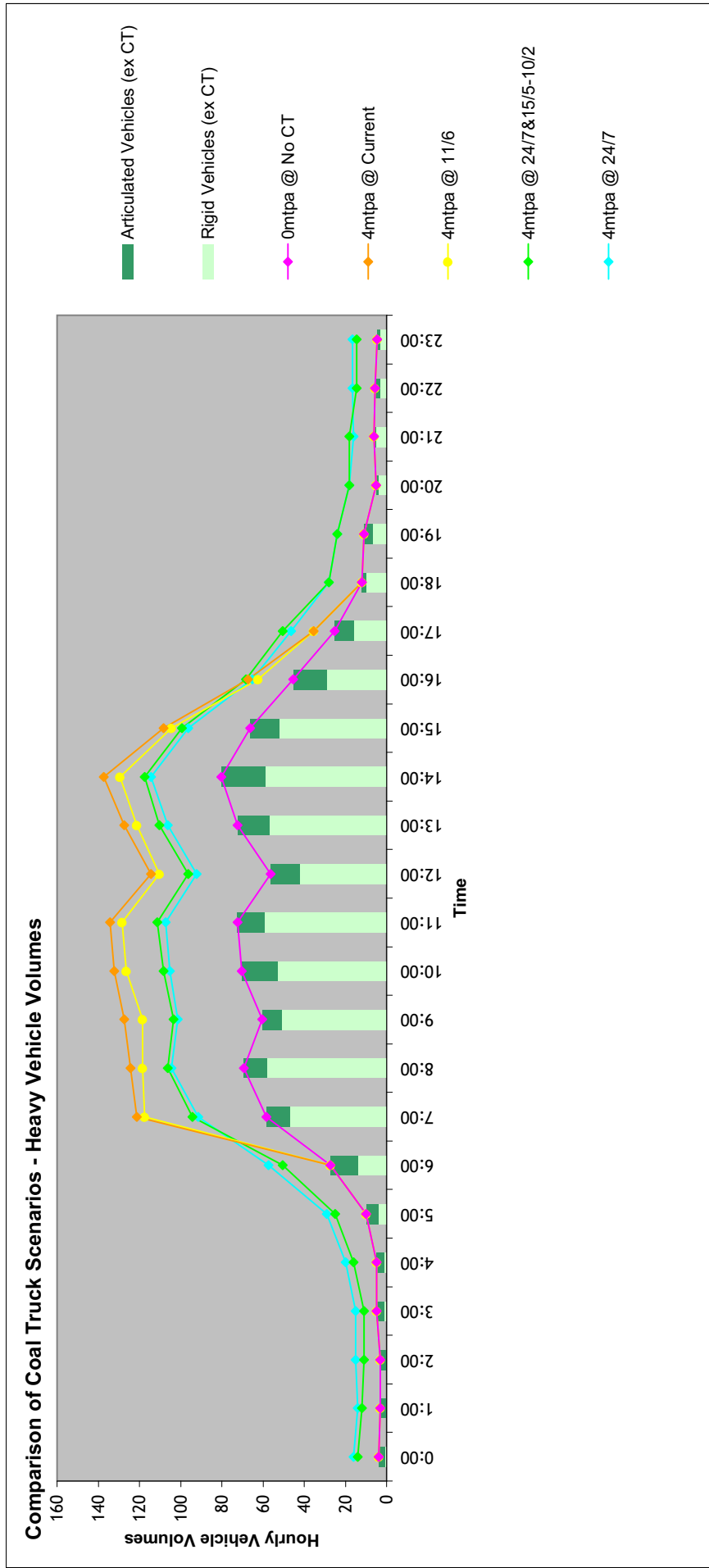
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



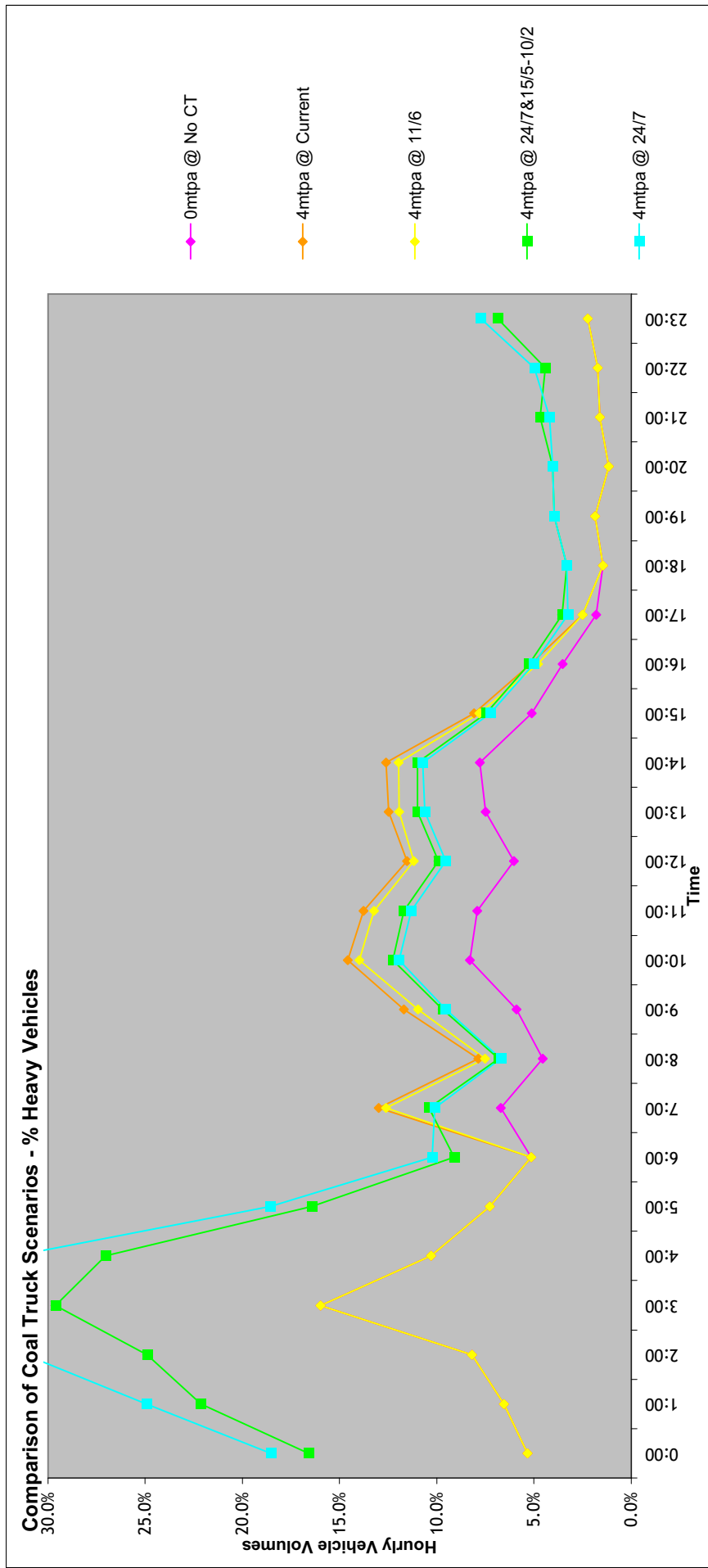
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend
6. Springhill Road, Coniston Between Masters Rd and Corrimal St

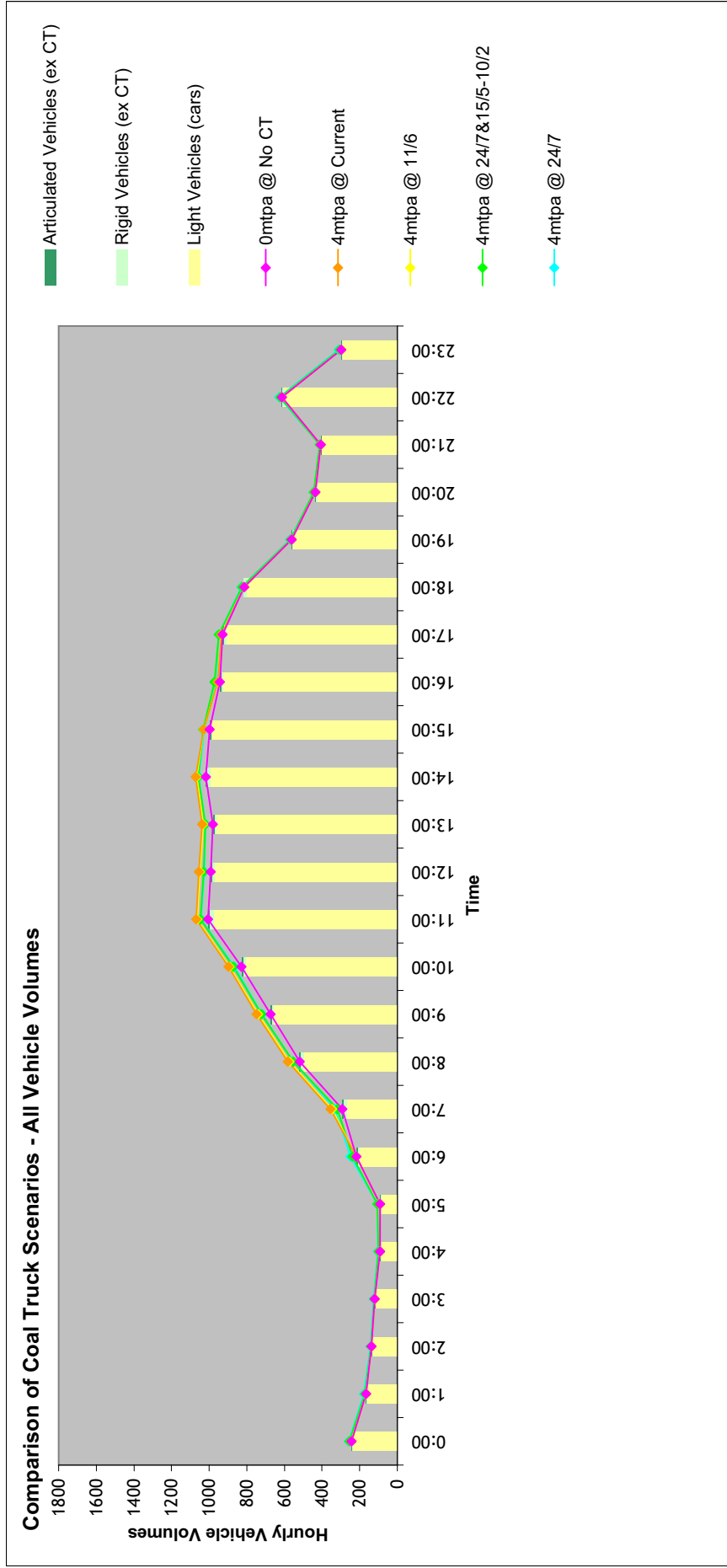
Direction	Total Heavy Vehicles Including Coal Trucks															% Heavy Vehicles Including Coal Trucks														
	Base Volumes					Total Vehicles Including Coal Trucks					Trucks					Coal Trucks Only														
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H							
Southbound (to PKCT)	0:00	145	3	1	149	149	153	155	4	4	4	8	10	3.0%	3.0%	3.0%	5.5%	6.7%	0	26	22	10	15	6						
	1:00	101	1	1	103	103	107	109	2	2	2	6	8	2.4%	2.4%	2.4%	6.0%	7.7%	0	32	28	10	19	2						
	2:00	79	1	1	81	81	82	83	2	2	2	3	4	3.0%	3.0%	3.0%	4.2%	5.4%	0	42	38	19	19	1						
	3:00	62	0	1	63	63	66	67	1	1	1	4	5	2.3%	2.3%	2.3%	6.7%	8.1%	0	52	48	36	34	3						
	4:00	46	1	2	49	49	53	54	3	3	3	7	8	7.0%	7.0%	7.0%	14.0%	15.6%	0	46	43	34	31	4						
	5:00	38	1	1	40	40	40	47	48	2	2	2	9	10	6.1%	6.1%	6.1%	20.0%	21.6%	0	34	30	18	23	8					
	6:00	69	1	3	73	73	86	92	4	4	4	17	23	5.1%	5.1%	5.1%	19.5%	24.8%	0	34	30	18	23	19						
	7:00	91	4	4	99	125	121	109	114	8	34	30	18	23	7.8%	27.0%	24.6%	16.3%	19.9%	0	46	43	34	31	15					
	8:00	166	7	3	176	208	204	195	195	10	42	38	29	29	5.5%	20.1%	18.5%	14.7%	14.7%	0	47	44	36	34	19					
	9:00	264	7	3	274	316	312	300	298	10	52	48	36	34	3.5%	16.4%	15.3%	11.9%	11.3%	0	49	46	49	49	24					
	10:00	372	8	5	385	418	415	406	403	13	46	43	34	31	3.3%	10.9%	10.3%	8.3%	7.6%	0	47	44	36	34	18					
	11:00	460	11	4	475	507	504	496	494	15	47	44	36	34	3.1%	9.2%	8.7%	7.2%	6.8%	0	48	46	43	34	19					
	12:00	451	7	3	461	491	488	480	479	10	40	37	29	28	2.1%	8.1%	7.5%	6.0%	5.8%	0	48	46	43	34	18					
	13:00	473	6	4	483	512	509	504	504	10	39	36	31	31	2.0%	7.6%	7.0%	6.1%	6.1%	0	49	46	43	34	21					
	14:00	487	8	4	499	524	522	517	516	12	37	35	30	29	2.3%	7.0%	6.6%	5.7%	5.6%	0	49	46	43	34	21					
	15:00	503	7	3	513	525	524	530	527	10	22	21	27	24	1.9%	4.1%	3.9%	5.0%	4.5%	0	49	46	43	34	17					
	16:00	459	5	4	468	471	471	480	478	9	12	12	21	19	1.9%	2.5%	2.5%	4.3%	3.9%	0	49	46	43	34	14					
	17:00	363	6	3	372	375	375	380	380	9	12	12	17	17	2.3%	3.1%	3.1%	4.4%	4.4%	0	49	46	43	34	10					
	18:00	347	6	2	355	355	355	361	362	8	8	8	14	15	2.1%	2.1%	2.1%	3.8%	4.0%	0	49	46	43	34	8					
	19:00	257	5	1	263	263	263	266	267	6	6	6	9	10	2.1%	2.1%	2.1%	3.2%	3.6%	0	49	46	43	34	7					
	20:00	224	3	1	228	228	228	232	233	4	4	4	8	9	1.6%	1.6%	1.6%	3.3%	3.7%	0	49	46	43	34	4					
	21:00	206	2	1	208	208	208	211	212	3	3	3	6	7	1.2%	1.2%	1.2%	2.6%	3.1%	0	49	46	43	34	4					
	22:00	419	3	2	424	424	424	428	430	5	5	5	9	11	1.1%	1.1%	1.1%	2.0%	2.5%	0	49	46	43	34	4					
	23:00	180	3	1	184	184	184	190	192	4	4	4	10	12	2.0%	2.0%	2.0%	5.1%	6.1%	0	49	46	43	34	6					
Daily	6261	106	55	6422	6689	6662	6676	6689	161	428	401	415	428	2.5%	6.4%	6.0%	6.2%	6.4%	0	267	240	254	267	267						
% CT of HV														0.0%	62.4%	59.9%	61.3%	62.4%												
Day (6am-10pm)	5123	92	40	5254	5521	5494	5462	5457	132	399	372	340	335	2.5%	7.2%	6.8%	6.2%	6.1%	0	267	240	208	203	203						
% CT of HV														0.0%	67.0%	64.6%	61.3%	60.7%												
Night (10pm-7am)	1139	14	15	1168	1168	1168	1214	1232	29	29	29	75	93	2.5%	2.5%	2.5%	6.2%	7.6%	0	0	0	0	46	64						
% CT of HV														0.0%	0.0%	0.0%	61.3%	68.8%												

2008 Average Weekend
6. Springhill Road, Coniston Between Masters Rd and Corrimal St

Direction	Total Heavy Vehicles Including Coal Trucks														% Heavy Vehicles Including Coal Trucks													
	Base Volumes							Total Vehicles Including Coal Trucks							Trucks							Coal Trucks Only						
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	No CT	Current	Bx @ 11/6	E @ 24/7&15/5-10/2	H @ 24/7	A	No CT	Current	Bx @ 11/6	E @ 24/7&15/5-10/2	H @ 24/7	A	No CT	Current	Bx @ 11/6	E @ 24/7&15/5-10/2	H @ 24/7		
Time	237	5	3	245	245	245	255	279	8	8	8	18	22	3.2%	3.2%	3.2%	3.2%	3.2%	7.0%	8.5%	0	0	0	0	0	10	14	
0:00	160	2	3	165	165	165	173	177	5	5	5	13	17	3.0%	3.0%	3.0%	3.0%	3.0%	7.5%	9.6%	0	0	0	0	0	8	12	
1:00	132	2	3	137	137	137	141	143	5	5	5	9	11	3.6%	3.6%	3.6%	3.6%	3.6%	6.3%	7.7%	0	0	0	0	0	4	6	
2:00	116	1	3	120	120	120	124	126	4	4	4	8	10	3.3%	3.3%	3.3%	3.3%	3.3%	6.4%	7.9%	0	0	0	0	0	4	6	
3:00	87	2	4	93	93	93	100	102	6	6	6	13	15	6.4%	6.4%	6.4%	6.4%	6.4%	13.0%	14.7%	0	0	0	0	0	7	9	
4:00	87	2	4	93	93	93	105	107	6	6	6	18	20	6.4%	6.4%	6.4%	6.4%	6.4%	17.1%	18.7%	0	0	0	0	0	12	14	
5:00	204	6	7	217	217	217	237	248	13	13	13	33	44	6.1%	6.1%	6.1%	6.1%	6.1%	14.1%	17.9%	0	0	0	0	0	20	31	
6:00	266	19	8	293	356	347	319	330	27	90	81	53	64	9.3%	25.4%	23.4%	16.7%	19.5%	16.7%	19.5%	0	63	54	26	37	31		
7:00	497	15	6	518	581	573	554	554	21	84	76	57	57	4.1%	14.5%	13.3%	10.3%	10.3%	10.3%	10.3%	0	63	55	36	36	36		
8:00	655	14	5	674	747	739	722	718	19	92	84	67	63	2.9%	12.4%	11.4%	9.3%	8.8%	9.3%	8.8%	0	73	65	48	44	44		
9:00	802	19	8	829	896	891	870	865	27	94	89	68	63	3.3%	10.5%	10.0%	7.9%	7.3%	7.9%	7.3%	0	67	62	41	36	36		
10:00	977	21	7	1005	1068	1062	1047	1043	28	91	85	70	66	2.8%	8.6%	8.0%	6.7%	6.4%	6.7%	6.4%	0	63	57	42	38	38		
11:00	970	15	5	990	1054	1048	1028	1026	20	84	78	58	56	2.1%	8.0%	7.5%	5.7%	5.5%	5.7%	5.5%	0	64	58	38	36	36		
12:00	960	13	7	980	1037	1031	1021	1020	20	77	71	61	60	2.1%	7.5%	6.9%	6.0%	5.9%	6.0%	5.9%	0	57	51	41	40	40		
13:00	995	17	6	1018	1072	1067	1057	1056	23	77	72	62	61	2.3%	7.2%	6.8%	5.9%	5.8%	5.9%	5.8%	0	54	49	39	38	38		
14:00	982	11	5	998	1030	1028	1032	1026	16	48	46	50	44	1.6%	4.7%	4.5%	4.9%	4.3%	4.9%	4.3%	0	32	30	34	28	28		
15:00	926	11	6	943	953	953	972	967	17	27	27	46	41	1.8%	2.9%	2.9%	4.8%	4.3%	4.8%	4.3%	0	10	10	29	24	24		
16:00	909	12	6	927	935	935	947	947	18	26	26	38	38	2.0%	2.8%	2.8%	4.0%	4.0%	4.0%	4.0%	0	8	8	20	20	20		
17:00	801	12	2	815	815	815	826	828	14	14	14	25	27	1.7%	1.7%	1.7%	3.0%	3.0%	3.0%	3.0%	0	0	0	11	13	13		
18:00	553	7	1	561	561	561	567	569	8	8	8	14	16	1.4%	1.4%	1.4%	2.5%	2.8%	2.5%	2.8%	0	0	0	6	8	8		
19:00	428	6	1	435	435	435	443	445	7	7	7	15	17	1.6%	1.6%	1.6%	3.4%	3.8%	3.4%	3.8%	0	0	0	8	10	10		
20:00	401	4	1	406	406	406	412	414	5	5	5	11	13	1.2%	1.2%	1.2%	2.7%	3.2%	2.7%	3.2%	0	0	0	6	8	8		
21:00	606	5	4	614	614	614	622	626	9	9	9	17	21	1.4%	1.4%	1.4%	2.7%	3.3%	2.7%	3.3%	0	0	0	8	12	12		
22:00	291	5	2	298	298	298	308	312	7	7	7	17	21	2.2%	2.2%	2.2%	5.4%	6.6%	5.4%	6.6%	0	0	0	10	14	14		
23:00	13041	226	110	13377	13931	13876	13885	13911	336	890	835	844	870	6.4%	6.4%	6.0%	6.1%	6.3%	6.1%	6.3%	0	554	499	508	534	534		
Daily	% CT of HV													0.0%	2.5%	2.0%	62.2%	59.7%	60.2%	61.4%								
Day (6am-10pm)	% CT of HV	11121	196	78	11396	11950	11821	11812	274	828	773	699	690	2.4%	6.9%	6.5%	5.9%	5.8%	5.9%	5.8%	0	554	499	425	416	416		
Night (10pm-7am)	% CT of HV	1919	30	32	1981	1981	2064	2099	62	62	62	145	180	3.1%	3.1%	3.1%	7.0%	8.6%	7.0%	8.6%	0	0	0	83	118			
% CT of HV														0.0%	0.0%	0.0%	57.2%	65.5%	57.2%	65.5%								

2008 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



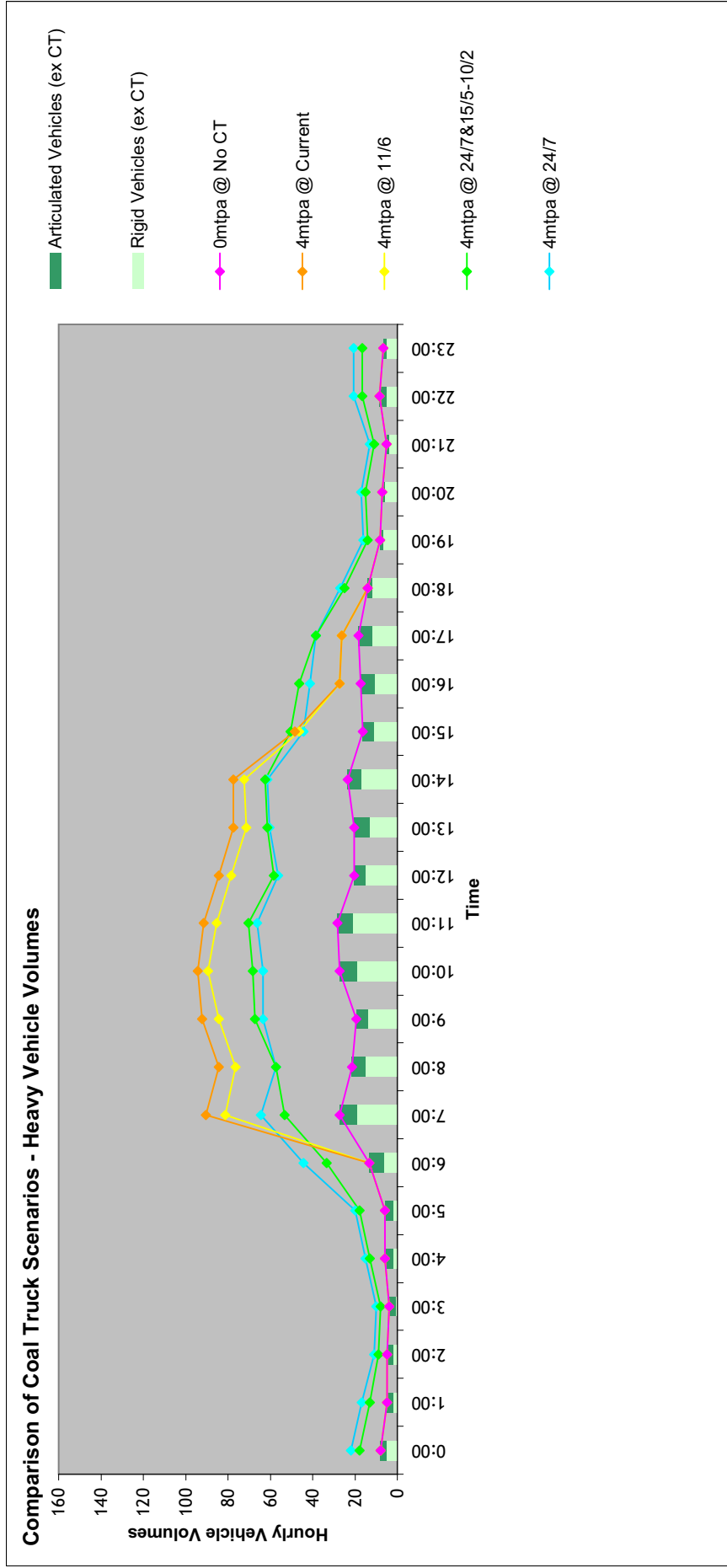
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 4mtpa @ 24/7

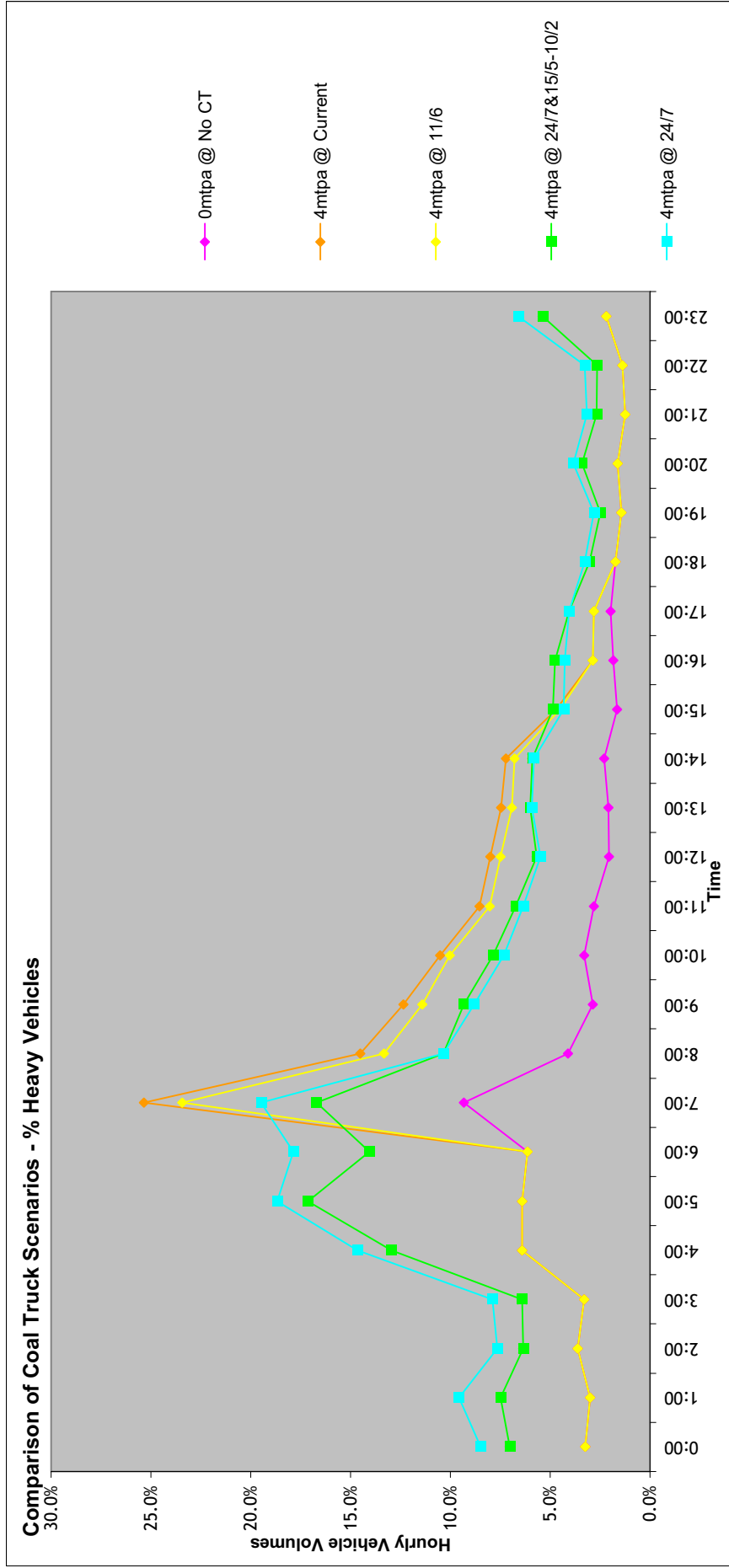
2008 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



2008 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

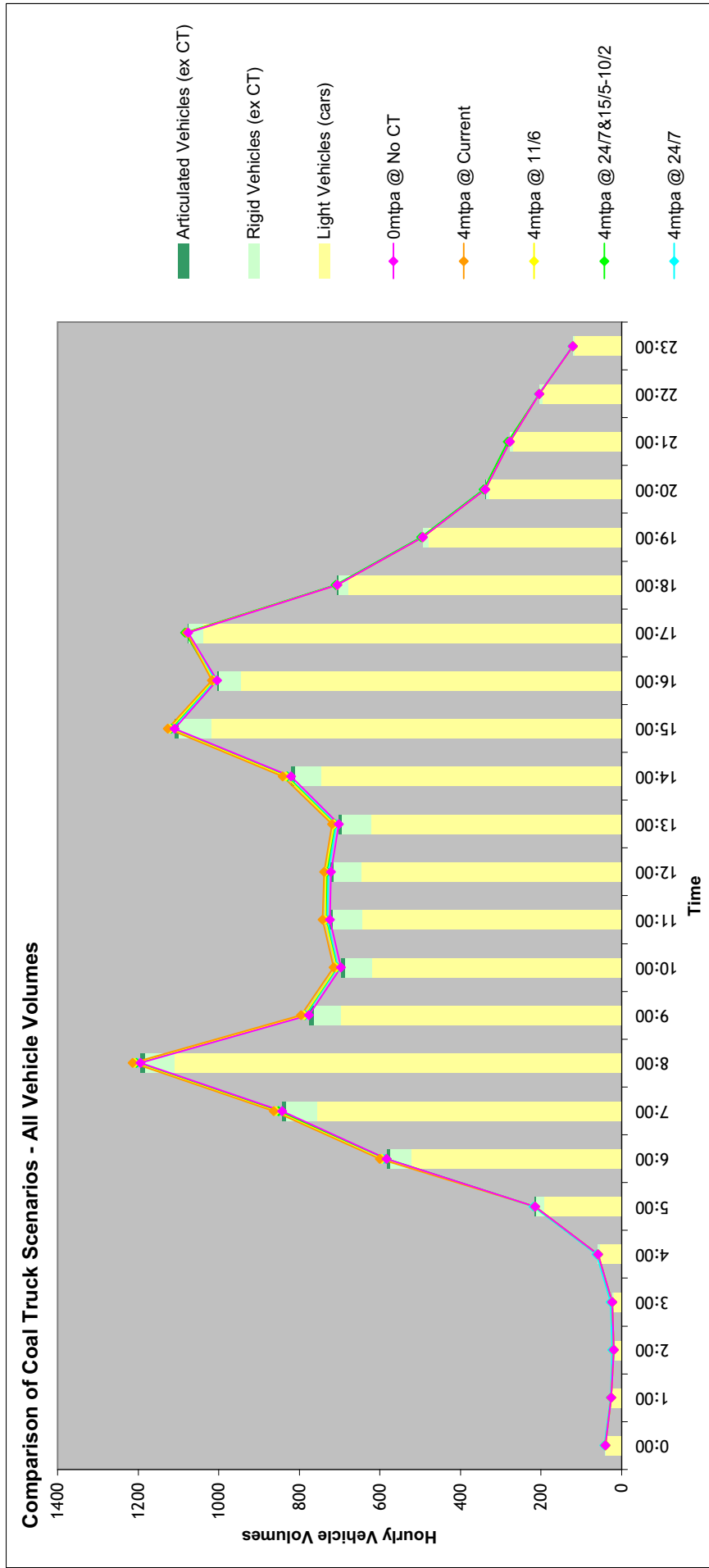
Direction	Total Vehicles Including Coal Trucks																				% Heavy Vehicles Including Coal Trucks										Coal Trucks Only				
	Base Volumes					Total Heavy Vehicles Including Coal Trucks					Trucks					Total Heavy Vehicles Including Coal Trucks					Coal Trucks Only														
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H							
				Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7							
0:00	21	1	0	22	22	22	22	23	1	1	1	1	2	4.5%	4.5%	4.5%	8.7%	0	0	0	0	0	0	0	0	0	0	0	1						
1:00	15	1	0	16	16	16	16	17	1	1	1	1	2	6.3%	6.3%	6.3%	11.8%	0	0	0	0	0	0	0	0	0	0	0	1						
2:00	10	1	0	11	11	11	11	13	1	1	1	1	3	9.1%	9.1%	9.1%	23.1%	0	0	0	0	0	0	0	0	0	0	0	2						
3:00	10	1	0	11	11	11	11	13	1	1	1	1	3	9.1%	9.1%	9.1%	23.1%	0	0	0	0	0	0	0	0	0	0	0	2						
4:00	20	1	1	22	22	22	22	24	2	2	2	2	4	9.1%	9.1%	9.1%	16.7%	0	0	0	0	0	0	0	0	0	0	0	2						
5:00	86	7	1	94	94	94	94	96	8	8	8	8	10	8.5%	8.5%	8.5%	10.4%	0	0	0	0	0	0	0	0	0	0	0	2						
6:00	259	18	3	280	291	288	288	284	21	32	29	21	25	7.5%	11.0%	10.1%	8.8%	0	11	8	0	0	0	0	0	0	0	0	4						
7:00	455	29	4	488	498	495	494	492	33	43	40	39	37	6.8%	8.6%	8.1%	7.5%	0	10	7	6	0	0	0	0	0	0	0	4						
8:00	709	34	4	747	757	754	752	751	38	48	45	43	42	5.1%	6.3%	6.0%	5.6%	0	10	7	5	4	0	0	0	0	0	0	4						
9:00	388	30	6	424	434	430	429	428	36	46	42	41	40	8.5%	10.6%	9.8%	9.3%	0	10	6	5	4	0	0	0	0	0	0	4						
10:00	328	31	3	362	371	368	367	365	34	43	40	39	37	9.4%	11.6%	10.9%	10.1%	0	9	6	5	3	0	0	0	0	0	0	3						
11:00	333	33	4	370	379	376	375	373	37	46	43	42	40	10.0%	12.1%	11.4%	10.7%	0	9	6	5	3	0	0	0	0	0	0	3						
12:00	338	34	4	376	384	382	381	379	38	46	44	43	41	10.1%	12.0%	11.5%	10.8%	0	8	6	5	3	0	0	0	0	0	0	3						
13:00	307	37	3	347	356	353	352	350	40	49	46	45	43	11.5%	13.8%	13.0%	12.8%	0	9	6	5	3	0	0	0	0	0	0	3						
14:00	356	31	4	391	401	397	396	395	35	45	41	40	39	9.0%	11.2%	10.3%	10.1%	0	10	6	5	4	0	0	0	0	0	0	3						
15:00	485	42	5	532	540	538	537	535	47	55	53	52	50	8.8%	10.2%	9.9%	9.7%	0	8	6	5	3	0	0	0	0	0	0	3						
16:00	403	24	2	429	435	433	433	431	26	32	30	30	28	6.1%	7.4%	6.9%	6.5%	0	6	4	4	2	0	0	0	0	0	0	2						
17:00	400	16	1	417	417	417	420	419	17	17	17	20	19	4.1%	4.1%	4.1%	4.5%	0	0	0	0	0	0	0	0	0	0	0	2						
18:00	297	10	2	309	309	309	311	311	12	12	12	14	14	3.9%	3.9%	3.9%	4.5%	0	0	0	0	0	0	0	0	0	0	0	2						
19:00	228	7	0	235	235	235	237	237	7	7	7	9	9	3.0%	3.0%	3.0%	3.8%	0	0	0	0	0	0	0	0	0	0	0	2						
20:00	146	3	0	149	149	149	151	151	3	3	3	5	5	2.0%	2.0%	2.0%	3.3%	0	0	0	0	0	0	0	0	0	0	0	2						
21:00	119	2	0	121	121	121	123	122	2	2	2	4	3	1.7%	1.7%	1.7%	2.5%	0	0	0	0	0	0	0	0	0	0	0	1						
22:00	102	3	0	105	105	105	105	106	3	3	3	4	3	2.9%	2.9%	2.9%	3.8%	0	0	0	0	0	0	0	0	0	0	0	1						
23:00	63	2	0	65	65	65	65	66	2	2	2	2	3	3.1%	3.1%	3.1%	4.5%	0	0	0	0	0	0	0	0	0	0	0	1						
Daily	5878	398	47	6323	6423	6391	6384	6381	445	545	513	506	503	7.0%	8.5%	8.0%	7.9%	0	100	68	61	58	0	0	0	0	0	0	58						
% CT of HV														0.0%	18.3%	13.3%	12.1%	11.5%																	
Day (6am-10pm)	5292	363	42	5697	5786	5757	5758	5739	405	494	465	466	447	7.1%	8.5%	8.1%	8.1%	0	89	60	61	42	0	0	0	0	0	0	42						
% CT of HV														0.0%	18.0%	12.9%	13.1%	9.4%																	
Night (10pm-7am)	586	35	5	626	637	634	626	642	40	51	48	40	56	6.4%	8.0%	7.6%	6.4%	0	11	8	0	16	0	0	0	0	0	0	16						
% CT of HV														0.0%	21.6%	16.7%	0.0%	28.6%																	

Direction		2008 Average Weekday 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																											
		Total Vehicles Including Coal Trucks														Trucks													
		Base Volumes							Total Heavy Vehicles Including Coal							% Heavy Vehicles Including Coal Trucks							Coal Trucks Only						
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H
Time	18	0	0	19	19	19	19	20	1	1	1	1	2	5.3%	5.3%	5.3%	10.0%	0	0	0	0	0	0	0	0	0	0	0	1
	10	0	0	10	10	10	10	11	0	0	0	0	1	0.0%	0.0%	0.0%	9.1%	0	0	0	0	0	0	0	0	0	0	0	1
	7	1	0	8	8	8	8	10	1	1	1	1	3	12.5%	12.5%	12.5%	30.0%	0	0	0	0	0	0	0	0	0	0	0	2
	9	3	0	12	12	12	12	14	3	3	3	3	5	25.0%	25.0%	25.0%	35.7%	0	0	0	0	0	0	0	0	0	0	0	2
	33	4	0	37	37	37	37	39	4	4	4	4	6	10.8%	10.8%	10.8%	15.4%	0	0	0	0	0	0	0	0	0	0	0	2
	107	12	2	121	121	121	121	123	14	14	14	14	16	11.6%	11.6%	11.6%	13.0%	0	0	0	0	0	0	0	0	0	0	0	2
	263	35	5	303	309	307	303	306	40	46	44	44	43	13.2%	14.9%	14.3%	14.1%	0	6	4	0	0	0	0	0	0	0	0	3
	301	48	6	355	365	363	358	359	54	64	62	57	58	15.2%	17.5%	17.1%	16.2%	0	10	8	3	4	0	0	0	0	0	0	3
	402	37	8	447	457	454	452	451	45	55	52	50	49	10.1%	12.0%	11.5%	10.9%	0	10	7	5	4	0	0	0	0	0	0	4
	309	38	5	352	362	358	357	356	43	53	49	48	47	12.2%	14.6%	13.7%	13.2%	0	10	6	5	4	0	0	0	0	0	0	4
	292	36	7	335	344	341	340	339	43	52	49	48	47	12.8%	15.1%	14.4%	13.9%	0	9	6	5	4	0	0	0	0	0	0	4
	311	40	3	354	363	360	359	357	43	52	49	48	46	12.1%	14.3%	13.6%	12.9%	0	9	6	5	3	0	0	0	0	0	0	3
	308	35	3	346	355	352	351	349	38	47	44	43	41	11.0%	13.2%	12.5%	11.7%	0	9	6	5	3	0	0	0	0	0	0	3
	316	35	4	355	363	361	360	358	39	47	45	44	42	11.0%	12.9%	12.5%	12.2%	0	8	6	5	3	0	0	0	0	0	0	3
	389	36	5	430	440	436	435	433	41	51	47	46	44	9.5%	11.6%	10.8%	10.2%	0	10	6	5	3	0	0	0	0	0	0	3
	534	40	3	577	586	583	582	581	43	52	49	48	47	7.5%	8.9%	8.4%	8.1%	0	9	6	5	4	0	0	0	0	0	0	4
	543	31	1	575	582	580	580	577	32	39	37	37	34	5.6%	6.7%	6.4%	5.9%	0	7	5	5	2	0	0	0	0	0	0	2
	638	20	1	659	662	661	663	661	21	24	23	25	23	3.2%	3.6%	3.5%	3.5%	0	3	2	4	2	0	0	0	0	0	0	2
	382	14	1	397	397	397	399	399	15	15	15	17	17	3.8%	3.8%	3.8%	4.3%	0	0	0	2	2	0	0	0	0	0	0	2
	252	7	0	259	259	259	261	261	7	7	7	9	9	2.7%	2.7%	2.7%	3.4%	0	0	0	2	2	0	0	0	0	0	0	2
	182	6	1	189	189	189	191	191	7	7	7	9	9	3.7%	3.7%	3.7%	4.7%	0	0	0	2	2	0	0	0	0	0	0	2
	151	5	0	156	156	156	159	157	5	5	5	8	6	3.2%	3.2%	3.2%	5.0%	0	0	0	3	1	0	0	0	0	0	0	1
	96	3	0	99	99	99	99	100	3	3	3	3	4	3.0%	3.0%	3.0%	4.0%	0	0	0	0	0	0	0	0	0	0	0	1
	54	2	0	56	56	56	56	57	2	2	2	2	3	3.6%	3.6%	3.6%	5.3%	0	0	0	0	0	0	0	0	0	0	0	1
	5907	489	55	6451	6551	6519	6512	6509	544	644	612	605	602	8.4%	9.8%	9.4%	9.3%	0	100	68	61	58	0	0	0	0	0	0	58
% CT of HV														0.0%	15.5%	11.1%	10.1%												
Day (6am-10pm)	5310	428	48	5786	5880	5850	5847	5829	476	570	540	537	519	8.2%	9.7%	9.2%	8.9%	0	94	64	61	43	0	0	0	0	0	0	43
% CT of HV														0.0%	16.5%	11.9%	11.4%												
Night (10pm-7am)	597	61	7	665	671	669	665	680	68	74	72	68	83	10.2%	11.0%	10.8%	10.2%	0	6	4	0	15	0	0	0	0	0	0	15
% CT of HV														0.0%	8.1%	5.6%	0.0%												

		2008 Average Weekday																								
		7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																								
Direction	Time	Total Vehicles Including Coal Trucks								% Heavy Vehicles Including Coal Trucks																
		Base Volumes				Trucks				Coal Trucks Only				Coal Trucks Only												
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H						
	0:00	39	2	0	41	41	41	41	43	2	2	2	2	4	4.9%	4.9%	4.9%	4.9%	9.3%	0	0	0	0	0	0	2
	1:00	25	1	0	26	26	26	28	28	1	1	1	1	3	3.8%	3.8%	3.8%	3.8%	10.7%	0	0	0	0	0	0	2
	2:00	17	2	0	19	19	19	19	23	2	2	2	2	6	10.5%	10.5%	10.5%	10.5%	26.1%	0	0	0	0	0	0	4
	3:00	19	4	0	23	23	23	27	27	4	4	4	4	8	17.4%	17.4%	17.4%	17.4%	29.6%	0	0	0	0	0	0	4
	4:00	53	5	1	59	59	59	63	63	6	6	6	6	10	10.2%	10.2%	10.2%	10.2%	15.9%	0	0	0	0	0	0	4
	5:00	193	19	3	215	215	215	219	219	22	22	22	22	26	10.2%	10.2%	10.2%	10.2%	11.9%	0	0	0	0	0	0	4
	6:00	522	53	8	583	600	595	583	590	61	78	73	61	68	13.0%	13.0%	12.3%	10.5%	11.5%	0	17	12	10	0	7	
	7:00	756	77	10	843	863	858	852	851	87	107	102	96	95	10.3%	12.4%	11.9%	11.3%	11.2%	0	20	15	9	0	8	
	8:00	1111	71	12	1194	1214	1208	1204	1202	83	103	97	93	91	7.0%	8.5%	8.0%	7.7%	7.6%	0	20	14	10	0	8	
	9:00	697	68	11	776	796	788	786	784	79	99	91	89	87	10.2%	12.4%	11.5%	11.3%	11.1%	0	20	12	10	0	8	
	10:00	620	67	10	697	715	709	707	704	77	95	89	87	84	11.0%	13.3%	12.6%	12.3%	11.9%	0	18	12	10	0	7	
	11:00	644	73	7	724	742	736	734	730	80	98	92	90	86	11.0%	13.2%	12.5%	12.3%	11.8%	0	18	12	10	0	6	
	12:00	646	69	7	722	739	734	732	728	76	93	88	86	82	10.5%	12.6%	12.0%	11.7%	11.3%	0	17	12	10	0	6	
	13:00	623	72	7	702	719	714	712	708	79	96	91	89	85	11.3%	13.4%	12.7%	12.5%	12.0%	0	17	12	10	0	6	
	14:00	745	67	9	821	841	833	831	828	76	96	88	86	83	9.3%	11.4%	10.6%	10.3%	10.0%	0	20	12	10	0	7	
	15:00	1019	82	8	1109	1126	1121	1119	1116	90	107	102	100	97	8.1%	9.5%	9.1%	8.9%	8.7%	0	17	12	10	0	7	
	16:00	946	55	3	1004	1017	1013	1013	1008	58	71	67	67	62	5.8%	7.0%	6.6%	6.6%	6.2%	0	13	9	9	0	4	
	17:00	1038	36	2	1076	1079	1078	1083	1080	38	41	40	45	42	3.5%	3.8%	3.7%	4.2%	3.9%	0	3	2	7	0	4	
	18:00	679	24	3	706	706	706	710	710	27	27	27	31	31	3.8%	3.8%	3.8%	4.4%	4.4%	0	0	0	4	0	4	
	19:00	480	14	0	494	494	494	498	498	14	14	14	18	18	2.8%	2.8%	2.8%	3.6%	3.6%	0	0	0	4	0	4	
	20:00	328	9	1	338	338	338	342	342	10	10	10	14	14	3.0%	3.0%	3.0%	4.1%	4.1%	0	0	0	4	0	4	
	21:00	270	7	0	277	277	277	282	279	7	7	7	12	9	2.5%	2.5%	2.5%	4.3%	3.2%	0	0	0	5	2		
	22:00	198	6	0	204	204	204	204	206	6	6	6	6	8	2.9%	2.9%	2.9%	3.9%	3.9%	0	0	0	0	0	2	
	23:00	117	4	0	121	121	121	121	123	4	4	4	4	6	3.3%	3.3%	3.3%	4.9%	4.9%	0	0	0	0	0	2	
	Daily	11785	887	102	12774	12974	12910	12896	12890	989	1189	1125	1111	1105	7.7%	9.2%	8.7%	8.6%	8.6%	0	200	136	122	116	0	
	% CT of HV														0.0%	16.8%	12.1%	11.0%	10.5%							
	Day (6am-10pm)	10602	791	90	11483	11666	11607	11605	11568	881	1064	1005	1003	966	7.7%	9.1%	8.7%	8.6%	8.4%	0	183	124	122	85	0	
	% CT of HV														0.0%	17.2%	12.3%	12.2%	8.8%							
	Night (10pm-7am)	1183	96	12	1291	1308	1303	1291	1322	108	125	120	108	139	8.4%	9.6%	9.2%	8.4%	10.5%	0	17	12	0	31	0	
	% CT of HV														0.0%	13.6%	10.0%	0.0%	22.3%							

2008 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



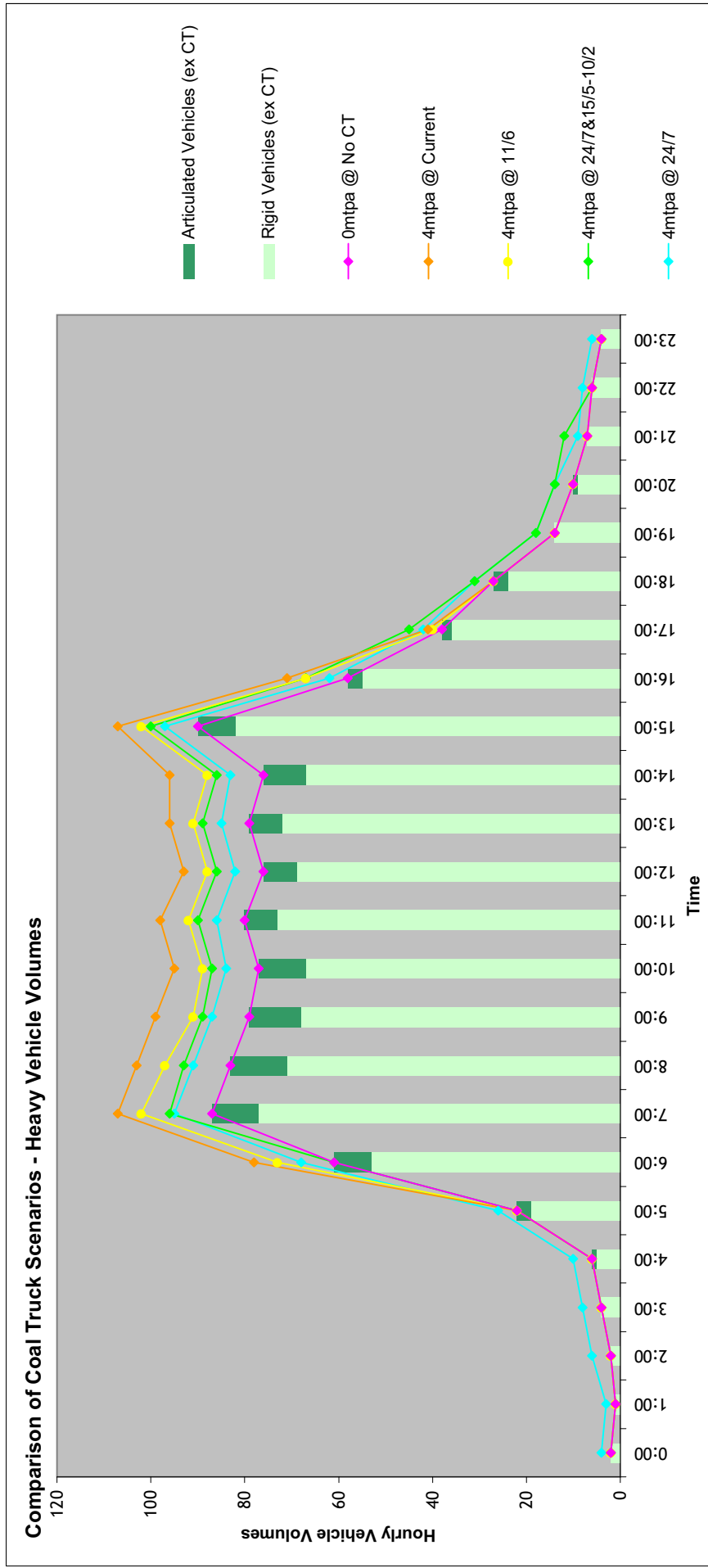
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



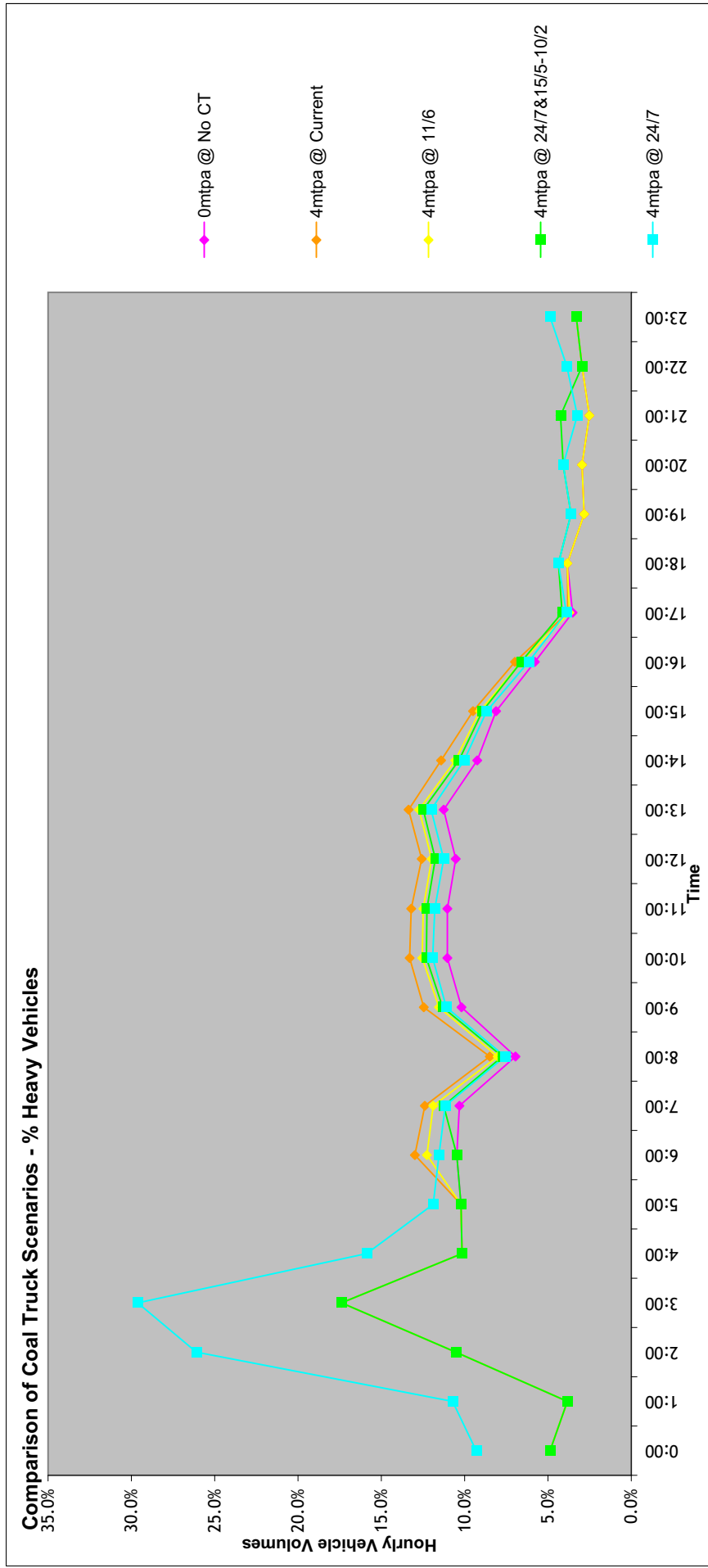
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

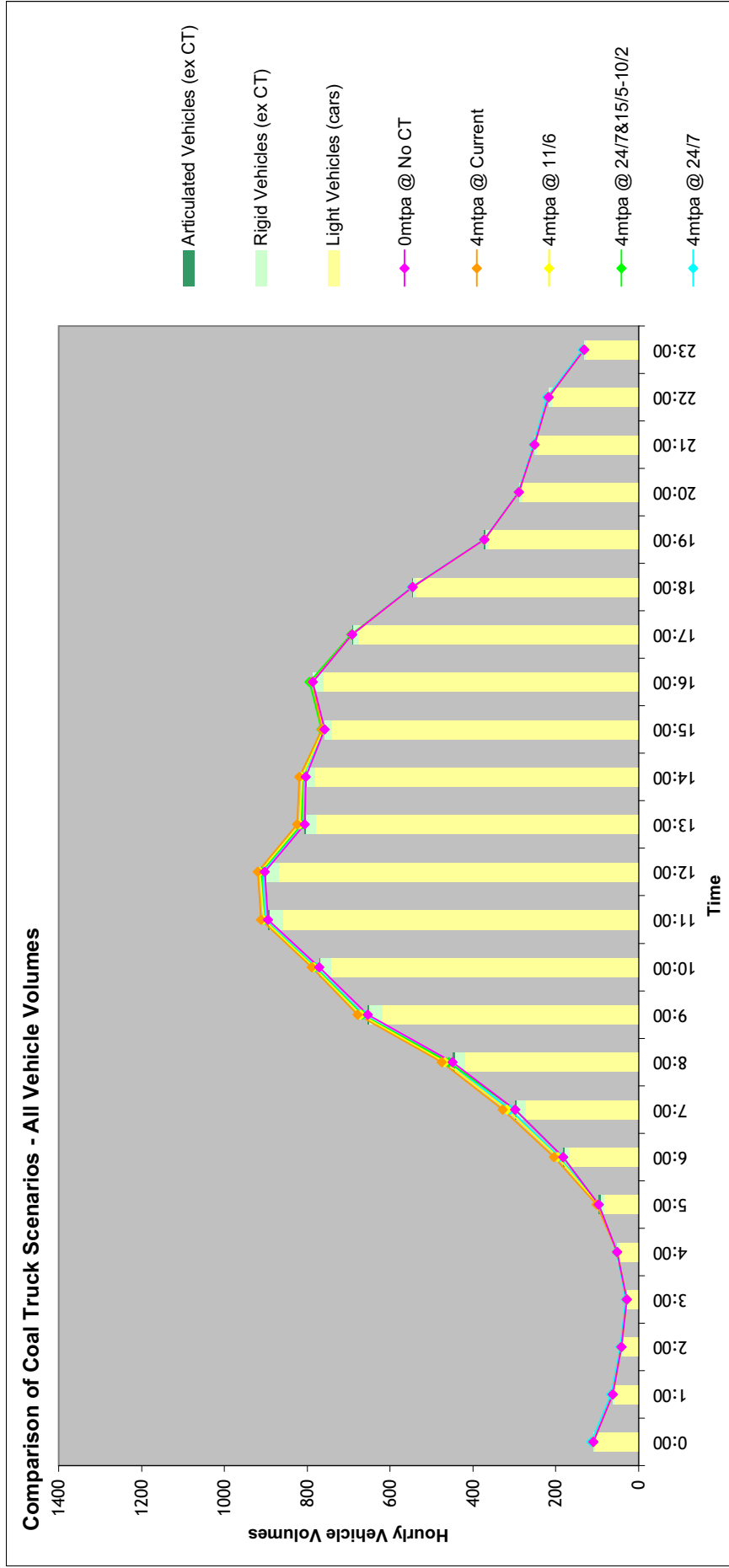
		2008 Average Weekend																										
		7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																										
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only						
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
Southbound (to PKCT)	0:00	54	2	0	56	56	56	58	2	2	2	4	3.6%	3.6%	3.6%	3.6%	6.9%	0	0	0	0	0	0	0	0	0	0	2
	1:00	31	2	0	33	33	33	35	2	2	2	4	6.1%	6.1%	6.1%	11.4%	0	0	0	0	0	0	0	0	0	0	0	1
	2:00	18	2	0	20	20	20	21	2	2	2	3	10.0%	10.0%	10.0%	14.3%	0	0	0	0	0	0	0	0	0	0	0	1
	3:00	15	1	0	16	16	16	17	1	1	1	2	6.3%	6.3%	6.3%	11.8%	0	0	0	0	0	0	0	0	0	0	0	1
	4:00	20	0	0	20	20	20	21	0	0	0	1	0.0%	0.0%	0.0%	4.8%	0	0	0	0	0	0	0	0	0	0	0	1
	5:00	43	3	2	48	51	50	48	5	8	7	5	10.4%	15.7%	14.0%	10.4%	12.2%	0	3	2	0	0	0	0	0	0	0	1
	6:00	81	4	0	85	99	94	85	4	18	13	4	10	4.7%	18.2%	13.8%	4.7%	11.0%	0	14	9	0	0	0	0	0	0	6
	7:00	135	9	1	145	160	155	145	151	10	25	10	16	6.9%	15.6%	12.9%	6.9%	10.6%	0	15	10	0	0	0	0	0	0	6
	8:00	237	13	1	251	264	260	257	256	14	27	23	20	19	5.6%	10.2%	8.8%	7.8%	7.4%	0	13	9	0	0	0	0	0	5
	9:00	351	16	2	369	380	377	376	374	18	29	26	25	23	4.9%	7.6%	6.9%	6.6%	6.1%	0	11	8	0	0	0	0	0	5
	10:00	403	14	1	418	427	424	424	421	15	24	21	21	18	3.6%	5.6%	5.0%	4.3%	4.3%	0	9	6	0	0	0	0	0	3
	11:00	465	16	2	483	491	488	488	486	18	26	23	23	21	3.7%	5.3%	4.7%	4.3%	4.3%	0	8	5	0	0	0	0	0	3
	12:00	455	16	2	473	482	479	477	476	18	27	24	22	21	3.8%	5.6%	5.0%	4.6%	4.4%	0	9	6	0	0	0	0	0	3
	13:00	372	9	2	383	392	389	387	387	11	20	17	15	15	2.9%	4.4%	3.9%	3.9%	3.9%	0	9	6	0	0	0	0	0	4
	14:00	375	10	0	385	392	390	389	388	10	17	15	14	13	2.6%	3.8%	3.6%	3.4%	3.4%	0	7	5	0	0	0	0	0	4
	15:00	328	7	0	335	337	336	339	336	7	9	8	11	8	2.1%	2.7%	2.4%	3.2%	2.4%	0	2	1	0	0	0	0	0	1
	16:00	346	9	1	356	356	356	359	357	10	10	10	13	11	2.8%	2.8%	2.8%	3.6%	3.1%	0	0	0	0	0	0	0	0	1
	17:00	318	6	0	324	324	324	325	325	6	6	6	7	7	1.9%	1.9%	1.9%	2.2%	2.2%	0	0	0	0	0	0	0	0	1
	18:00	265	2	0	267	267	267	267	268	2	2	2	2	3	0.7%	0.7%	0.7%	1.1%	1.1%	0	0	0	0	0	0	0	0	1
	19:00	183	2	1	186	186	186	186	187	3	3	3	3	4	1.6%	1.6%	1.6%	2.1%	2.1%	0	0	0	0	0	0	0	0	1
	20:00	139	2	0	141	141	141	141	142	2	2	2	2	3	1.4%	1.4%	1.4%	2.1%	2.1%	0	0	0	0	0	0	0	0	1
	21:00	110	2	1	113	113	113	113	114	3	3	3	4	2.7%	2.7%	2.7%	3.5%	3.5%	0	0	0	0	0	0	0	0	0	1
	22:00	103	2	0	105	105	105	105	107	2	2	2	2	4	1.9%	1.9%	1.9%	3.7%	3.7%	0	0	0	0	0	0	0	0	2
	23:00	60	1	0	61	61	61	61	63	1	1	1	3	1.6%	1.6%	1.6%	4.8%	4.8%	0	0	0	0	0	0	0	0	0	2
Daily	4907	150	16	5073	5173	5140	5117	5130	166	266	233	210	223	3.3%	5.1%	4.5%	4.1%	4.3%	0	100	67	44	57					
% CT of HV														0.0%	37.6%	28.8%	21.0%	25.6%										
Day (6am-10pm)	4482	133	14	4629	4712	4685	4673	4668	147	230	203	191	186	3.2%	4.9%	4.3%	4.1%	4.0%	0	83	56	44	39					
% CT of HV														0.0%	36.1%	27.6%	23.0%	21.0%										
Night (10pm-7am)	425	17	2	444	461	455	444	462	19	36	30	19	37	4.3%	7.8%	6.6%	4.3%	8.0%	0	17	11	0	18					
% CT of HV														0.0%	47.2%	36.7%	0.0%	48.6%										

Direction	2008 Average Weekend 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																	
	Base Volumes						Total Vehicles Including Coal Trucks						Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks									
	Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H			
Northbound (from PKCT)	0:00	51	3	0	54	54	54	54	45	56	3	3	3	3	3	5	5.6%	5.6%	5.6%	5.6%	8.9%	0	0	0	0	0	0	0	0	0	0	2		
	1:00	29	1	0	30	30	30	30	30	32	1	1	1	1	1	3	3.3%	3.3%	3.3%	3.3%	9.4%	0	0	0	0	0	0	0	0	0	0	1		
	2:00	20	2	0	22	22	22	22	22	22	2	2	2	2	2	3	9.1%	9.1%	9.1%	9.1%	13.0%	0	0	0	0	0	0	0	0	0	0	1		
	3:00	12	1	0	13	13	13	13	13	14	1	1	1	1	1	2	7.7%	7.7%	7.7%	7.7%	14.3%	0	0	0	0	0	0	0	0	0	0	1		
	4:00	27	5	0	32	32	32	32	32	33	5	5	5	5	5	6	15.6%	15.6%	15.6%	15.6%	18.2%	0	0	0	0	0	0	0	0	0	0	1		
	5:00	42	3	3	48	50	49	48	48	49	6	8	7	6	7	12.5%	16.0%	14.3%	12.5%	14.3%	14.3%	0	2	1	0	1	0	1	0	1	0	4		
	6:00	86	9	2	97	105	102	97	97	101	11	19	16	11	15	11.3%	18.1%	15.7%	11.3%	14.9%	14.9%	0	8	5	0	4	0	1	0	1	0	6		
	7:00	137	13	3	153	168	163	153	153	159	16	31	26	16	22	10.5%	18.5%	16.0%	10.5%	13.8%	13.8%	0	15	10	0	6	9	5	3	5	5	5		
	8:00	182	12	4	198	211	207	201	203	201	203	16	29	25	19	21	8.1%	13.7%	12.1%	9.5%	10.3%	10.3%	0	13	9	3	5	3	5	7	5	5		
	9:00	268	15	2	285	298	294	292	292	290	292	17	30	26	24	22	6.0%	10.1%	8.8%	8.2%	7.6%	7.6%	0	13	9	7	5	7	5	5	5	5		
	10:00	339	14	0	353	362	360	359	358	358	358	14	23	21	20	19	4.0%	6.4%	5.8%	5.6%	5.3%	5.3%	0	9	7	6	5	3	3	5	3	3		
	11:00	393	18	1	412	421	417	417	415	417	415	19	28	24	24	22	4.6%	6.7%	5.8%	5.8%	5.3%	5.3%	0	9	5	5	3	5	3	3	3	3		
	12:00	414	14	1	429	437	435	434	432	434	432	15	23	21	20	18	3.5%	5.3%	4.8%	4.6%	4.2%	4.2%	0	8	6	5	3	3	3	3	3	3		
	13:00	408	14	1	423	432	429	427	426	427	426	15	24	21	19	18	3.5%	5.6%	4.9%	4.4%	4.2%	4.2%	0	9	6	4	3	3	3	3	3	3		
	14:00	407	10	1	418	427	423	422	422	422	422	11	20	16	15	15	2.6%	4.7%	3.8%	3.6%	3.6%	3.6%	0	9	5	4	4	4	4	4	4	4	4	
	15:00	413	10	0	423	427	426	427	424	427	424	10	14	13	14	11	2.4%	3.3%	3.1%	3.3%	2.6%	2.6%	0	4	3	4	1	1	1	1	1	1	1	
	16:00	416	15	0	431	432	432	435	432	435	432	15	16	16	19	16	3.5%	3.7%	3.7%	4.4%	3.7%	3.7%	0	1	1	1	1	1	1	1	1	1	1	
	17:00	356	10	1	367	367	367	369	368	369	368	11	11	11	13	12	3.0%	3.0%	3.0%	3.5%	3.3%	3.3%	0	0	0	0	0	0	0	0	0	0	0	0
	18:00	271	7	1	279	279	279	279	280	279	280	8	8	8	8	9	2.9%	2.9%	2.9%	2.9%	3.2%	3.2%	0	0	0	0	0	0	0	0	0	0	0	0
	19:00	181	4	1	186	186	186	186	187	186	187	5	5	5	5	6	2.7%	2.7%	2.7%	2.7%	3.2%	3.2%	0	0	0	0	0	0	0	0	0	0	0	0
	20:00	142	6	0	148	148	148	148	148	148	148	6	6	6	6	7	4.1%	4.1%	4.1%	4.1%	4.7%	4.7%	0	0	0	0	0	0	0	0	0	0	0	0
	21:00	136	3	0	139	139	139	139	140	139	140	3	3	3	3	4	2.2%	2.2%	2.2%	2.2%	2.9%	2.9%	0	0	0	0	0	0	0	0	0	0	0	0
	22:00	108	4	0	112	112	112	112	114	112	114	4	4	4	4	6	3.6%	3.6%	3.6%	3.6%	5.3%	5.3%	0	0	0	0	0	0	0	0	0	0	0	0
23:00	69	2	0	71	71	71	71	73	71	73	2	2	2	2	4	2.8%	2.8%	2.8%	2.8%	5.5%	5.5%	0	0	0	0	0	0	0	0	0	0	0	0	
Daily	4907	195	21	5123	5223	5190	5167	5180	5167	5180	216	316	283	260	273	6.1%	6.1%	5.5%	5.0%	5.3%	5.3%	0	100	67	44	57	57	57	57	57	57	57		
% CT of HV																0.0%	3.16%	23.7%	16.9%	20.9%	20.9%													
Day (6am-10pm)	4463	165	16	4644	4734	4705	4688	4685	4688	4685	181	271	242	225	222	3.9%	5.7%	5.1%	4.8%	4.7%	4.7%	0	90	61	44	41	41	41	41	41	41	41		
% CT of HV																0.0%	33.2%	25.2%	19.6%	18.5%	18.5%													
Night (10pm-7am)	444	30	5	479	489	485	479	495	479	495	35	45	41	35	51	7.3%	9.2%	8.5%	7.3%	10.3%	10.3%	0	10	6	0	16	16	16	16	16	16	16		
% CT of HV																0.0%	22.2%	14.6%	0.0%	31.4%	31.4%													

Direction		2008 Average Weekend																													
		7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street												Total Heavy Vehicles Including Coal Trucks																	
		Base Volumes						Total Vehicles Including Coal Trucks						Trucks						Total Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H		
			105	5	0	110	110	110	114	5	5	5	9	4.5%	4.5%	4.5%	4.5%	7.9%	0	0	0	4.5%	4.5%	7.9%	0	0	0	4			
			60	3	0	63	63	63	67	3	3	3	7	4.8%	4.8%	4.8%	4.8%	10.4%	0	0	0	4.8%	4.8%	10.4%	0	0	0	4			
			38	4	0	42	42	42	44	4	4	4	6	9.5%	9.5%	9.5%	13.6%	0	0	0	9.5%	9.5%	13.6%	0	0	0	2				
			27	2	0	29	29	29	31	2	2	2	4	6.9%	6.9%	6.9%	12.9%	0	0	0	6.9%	6.9%	12.9%	0	0	0	2				
			47	5	0	52	52	52	54	5	5	5	7	9.6%	9.6%	9.6%	13.0%	0	0	0	9.6%	9.6%	13.0%	0	0	0	2				
			85	6	5	96	101	99	98	11	16	14	13	11.5%	15.8%	14.1%	11.5%	13.3%	0	5	3	11.5%	13.3%	0	5	3	0	2			
			167	13	2	182	204	196	182	19	37	29	25	18.1%	14.8%	14.8%	8.2%	13.0%	0	22	14	8.2%	13.0%	0	22	14	0	10			
			272	22	4	298	328	318	298	310	26	56	38	8.7%	17.1%	14.5%	8.7%	12.3%	0	30	20	8.7%	12.3%	0	30	20	0	12			
			419	25	5	449	475	467	458	459	30	56	40	6.7%	11.8%	10.3%	8.5%	8.7%	0	26	18	8.5%	8.7%	0	26	18	9	10			
			619	31	4	654	678	671	668	664	35	59	45	5.4%	8.7%	7.7%	7.3%	6.8%	0	24	17	7.3%	6.8%	0	24	17	14	10			
			742	28	1	771	789	784	783	779	29	47	42	37	3.8%	6.0%	5.4%	5.2%	4.7%	0	18	13	5.2%	4.7%	0	18	13	12	8		
			858	34	3	895	912	905	905	901	37	54	47	43	4.1%	5.9%	5.2%	4.8%	0	17	10	5.2%	4.8%	0	17	10	10	6			
			869	30	3	902	919	914	911	908	33	50	45	42	3.7%	5.4%	4.9%	4.6%	4.3%	0	17	12	4.6%	4.3%	0	17	12	9	6		
			780	23	3	806	824	818	814	813	26	44	38	33	3.2%	5.3%	4.6%	4.2%	4.1%	0	18	12	4.2%	4.1%	0	18	12	8	7		
			782	20	1	803	819	813	811	810	21	37	31	29	2.6%	4.5%	3.8%	3.6%	3.5%	0	16	10	3.6%	3.5%	0	16	10	8	7		
			741	17	0	758	764	762	766	760	17	23	21	25	2.2%	3.0%	2.8%	3.3%	2.5%	0	6	4	3.3%	2.5%	0	6	4	8	2		
			762	24	1	787	788	788	794	789	25	26	26	32	3.2%	3.3%	3.3%	4.0%	3.4%	0	1	1	4.0%	3.4%	0	1	1	7	2		
			674	16	1	691	691	691	694	693	17	17	17	20	2.5%	2.5%	2.5%	2.9%	2.7%	0	0	0	2.9%	2.7%	0	0	0	3	2		
			536	9	1	546	546	546	546	548	10	10	10	10	1.8%	1.8%	1.8%	1.8%	2.2%	0	0	0	1.8%	2.2%	0	0	0	2			
			364	6	2	372	372	372	372	374	8	8	8	8	2.2%	2.2%	2.2%	2.2%	2.7%	0	0	0	2.2%	2.7%	0	0	0	2			
			281	8	0	289	289	289	289	291	8	8	8	8	2.8%	2.8%	2.8%	2.8%	3.4%	0	0	0	2.8%	3.4%	0	0	0	2			
			246	5	1	252	252	252	252	254	6	6	6	6	2.4%	2.4%	2.4%	2.4%	3.1%	0	0	2.4%	3.1%	0	0	0	0	2			
			211	6	0	217	217	217	217	221	6	6	6	6	2.8%	2.8%	2.8%	2.8%	4.5%	0	0	2.8%	4.5%	0	0	0	0	4			
			129	3	0	132	132	132	132	136	3	3	3	7	2.3%	2.3%	2.3%	2.3%	5.1%	0	0	2.3%	5.1%	0	0	0	0	4			
			9814	345	37	10196	10396	10330	10284	10310	382	582	516	470	3.7%	5.6%	5.0%	4.6%	4.8%	0	200	134	4.6%	4.8%	0	200	134	88	114		
			% CT of HV											0.0%	34.4%	26.0%	18.7%	23.0%				18.7%	23.0%								
			8945	298	30	9273	9446	9390	9361	9353	328	501	445	416	3.5%	5.3%	4.7%	4.4%	4.4%	0	173	117	4.4%	4.4%	0	173	117	88	80		
			% CT of HV											0.0%	34.5%	26.3%	21.2%	19.6%				21.2%	19.6%								
			869	47	7	923	950	940	923	957	54	81	71	54	5.9%	8.5%	7.6%	5.9%	9.2%	0	27	17	5.9%	9.2%	0	27	17	0	34		
			% CT of HV											0.0%	33.3%	23.9%	0.0%	38.6%				0.0%	38.6%								

2008 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



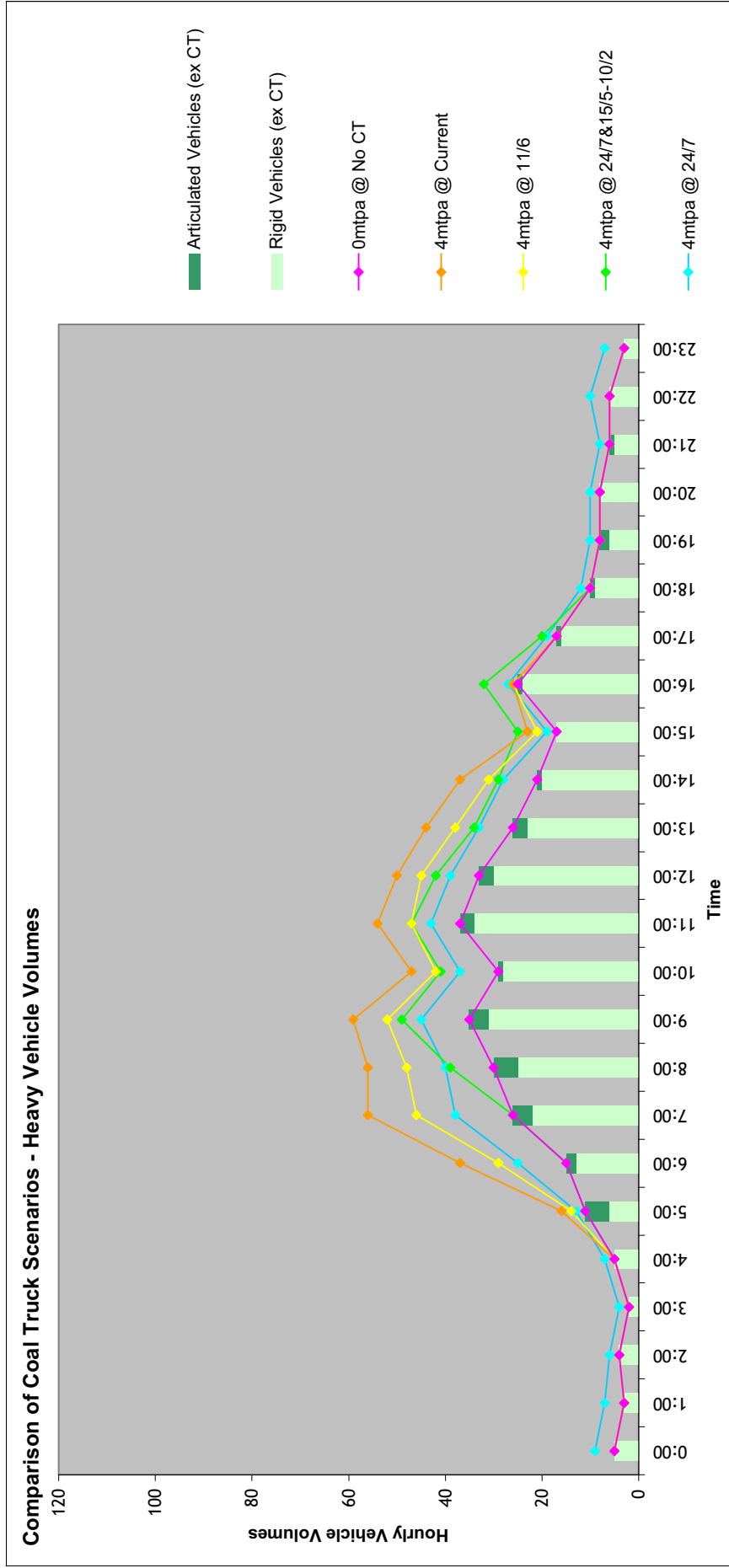
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

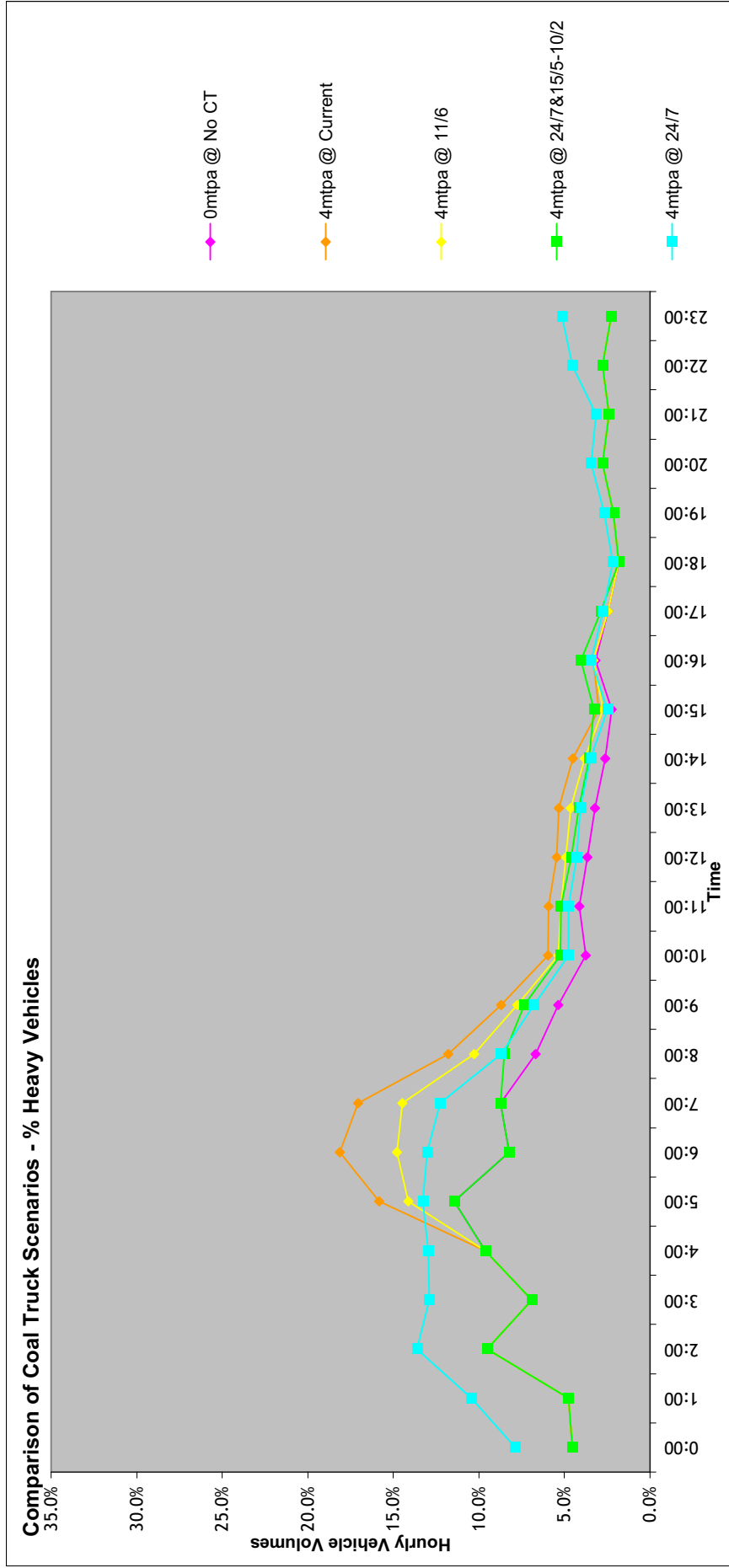
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0 mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4 mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

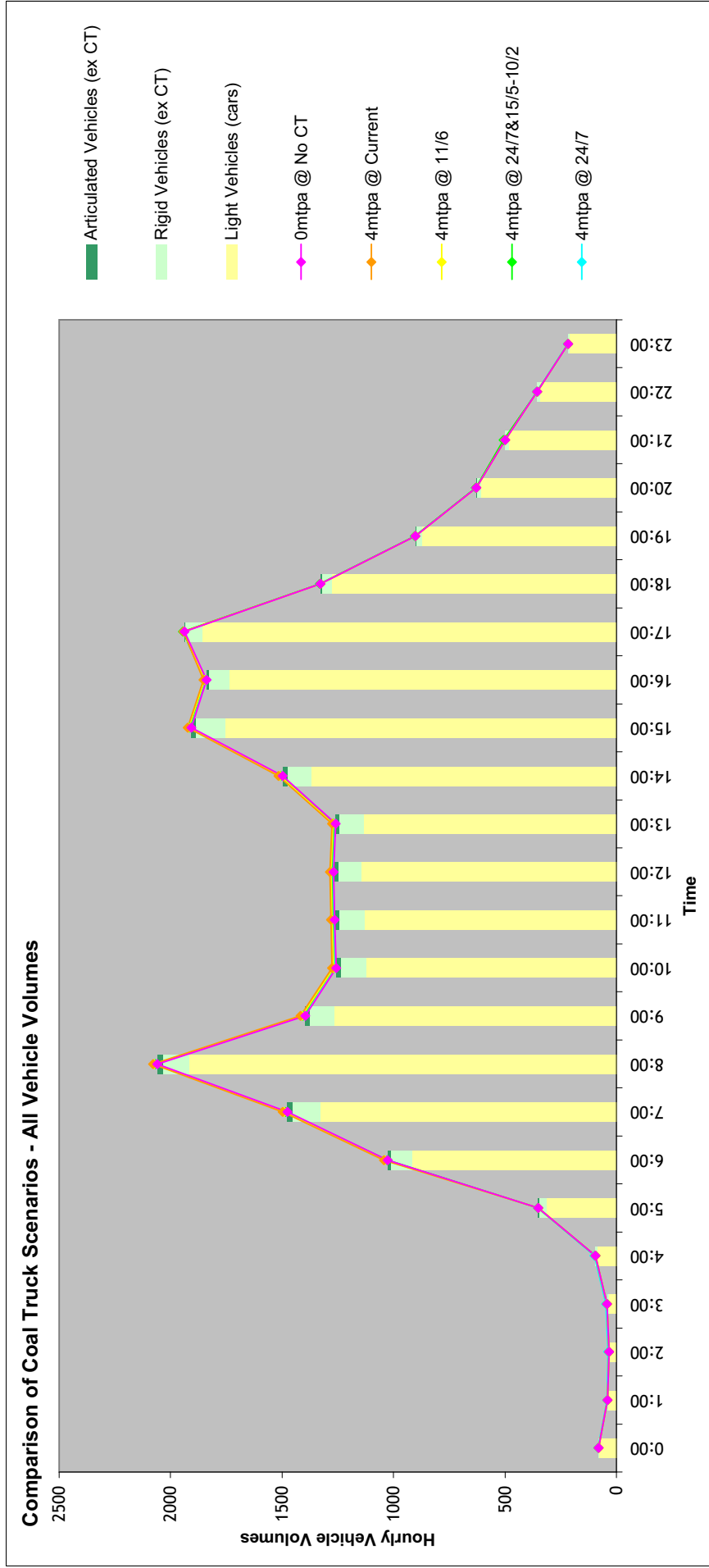
		2008 Average Weekday 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																												
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only								
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
Southbound (to PKCT)	0:00	36	1	0	37	37	37	38	1	1	1	1	1	2	2.7%	2.7%	2.7%	5.3%	0	0	0	0	0	0	0	0	0	0	0	1
	1:00	18	1	0	19	19	19	20	1	1	1	1	1	2	5.3%	5.3%	5.3%	10.0%	0	0	0	0	0	0	0	0	0	0	0	1
	2:00	19	1	0	20	20	20	22	1	1	1	1	3	5.0%	5.0%	5.0%	13.6%	0	0	0	0	0	0	0	0	0	0	0	0	2
	3:00	16	3	0	19	19	19	21	3	3	3	3	3	5	15.8%	15.8%	15.8%	23.8%	0	0	0	0	0	0	0	0	0	0	0	2
	4:00	37	2	1	40	40	40	42	3	3	3	3	3	5	7.5%	7.5%	7.5%	11.9%	0	0	0	0	0	0	0	0	0	0	0	2
	5:00	170	13	1	184	184	184	186	14	14	14	14	14	16	7.6%	7.6%	7.6%	8.6%	0	0	0	0	0	0	0	0	0	0	0	2
	6:00	510	30	5	545	556	553	549	35	46	43	35	39	6.4%	8.3%	7.8%	6.4%	7.1%	0	11	8	0	0	0	0	0	0	0	0	4
	7:00	876	46	10	932	942	939	936	56	66	63	62	60	6.0%	7.0%	6.7%	6.6%	6.4%	0	10	7	6	0	0	0	0	0	0	0	4
	8:00	1272	46	10	1328	1338	1335	1332	56	66	63	61	60	4.2%	4.9%	4.7%	4.6%	4.5%	0	10	7	6	0	0	0	0	0	0	0	4
	9:00	776	43	9	828	838	834	833	52	62	58	57	56	6.3%	7.4%	7.0%	6.8%	6.7%	0	10	6	5	0	0	0	0	0	0	0	4
	10:00	639	46	8	693	702	699	698	54	63	60	59	57	7.8%	9.0%	8.6%	8.5%	8.2%	0	9	6	5	0	0	0	0	0	0	0	3
	11:00	600	47	10	657	666	663	662	57	66	63	62	60	8.7%	9.9%	9.5%	9.4%	9.1%	0	9	6	5	0	0	0	0	0	0	0	3
	12:00	591	47	9	647	655	653	652	56	64	62	61	59	8.7%	9.8%	9.5%	9.4%	9.1%	0	8	6	5	0	0	0	0	0	0	0	3
	13:00	568	46	9	623	632	629	628	55	64	61	60	58	8.8%	10.1%	9.7%	9.6%	9.3%	0	9	6	5	0	0	0	0	0	0	0	3
	14:00	622	44	10	676	686	682	681	54	64	60	59	58	8.0%	9.3%	8.8%	8.7%	8.5%	0	10	6	5	0	0	0	0	0	0	0	4
	15:00	863	55	10	928	936	934	933	65	73	71	70	68	7.0%	7.8%	7.6%	7.5%	7.3%	0	8	6	5	0	0	0	0	0	0	0	3
	16:00	742	33	5	780	786	784	784	38	44	42	42	40	4.9%	5.6%	5.4%	5.4%	5.1%	0	6	4	4	0	0	0	0	0	0	0	2
	17:00	718	21	2	741	741	741	744	23	23	23	26	25	3.1%	3.1%	3.1%	3.5%	3.4%	0	0	0	0	0	0	0	0	0	0	0	2
	18:00	572	12	2	586	586	586	588	14	14	14	16	16	2.4%	2.4%	2.4%	2.7%	2.7%	0	0	0	0	0	0	0	0	0	0	0	2
	19:00	414	8	0	422	422	422	424	8	8	8	10	10	1.9%	1.9%	1.9%	2.4%	2.4%	0	0	0	0	0	0	0	0	0	0	0	2
	20:00	248	4	0	252	252	252	254	4	4	4	6	6	1.6%	1.6%	1.6%	2.4%	2.4%	0	0	0	0	0	0	0	0	0	0	0	2
	21:00	190	4	1	195	195	195	197	5	5	5	7	6	2.6%	2.6%	2.6%	3.6%	3.1%	0	0	0	0	0	0	0	0	0	0	0	1
	22:00	153	3	0	156	156	156	157	3	3	3	3	4	1.9%	1.9%	1.9%	1.9%	2.5%	0	0	0	0	0	0	0	0	0	0	0	1
23:00	89	2	0	91	91	91	91	2	2	2	2	3	2.2%	2.2%	2.2%	3.3%	3.3%	0	0	0	0	0	0	0	0	0	0	0	1	
Daily	10739	558	102	11399	11499	11467	11460	11457	660	760	728	721	718	5.8%	6.6%	6.3%	6.3%	6.3%	0	100	68	61	58							
% CT of HV														0.0%	13.2%	9.3%	8.5%	8.1%												
Day (6am-10pm)	9691	502	95	10288	10377	10348	10349	10330	597	686	657	658	639	5.8%	6.6%	6.3%	6.2%	6.2%	0	89	60	61	42							
% CT of HV														0.0%	13.0%	9.1%	9.3%	6.6%												
Night (10pm-7am)	1048	56	7	1111	1122	1119	1111	1127	63	74	71	63	79	5.7%	6.6%	6.3%	5.7%	7.0%	0	11	8	0	16							
% CT of HV														0.0%	14.9%	11.3%	0.0%	20.3%												

Direction		2008 Average Weekday 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																											
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks					Coal Trucks Only				
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H		
			CT		CT		CT	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7		
		42	0	43	0	43	43	43	43	44	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	4			
		20	1	21	0	21	21	21	21	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		13	1	14	0	14	14	14	14	16	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	2			
		20	3	23	0	23	23	23	23	25	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	2			
		47	7	54	0	54	54	54	54	56	7	7	7	7	7	9	9	9	9	9	9	9	9	9	9	2			
		143	20	166	3	166	166	166	166	168	23	23	23	23	23	25	25	25	25	25	25	25	25	25	25	2			
		407	65	481	9	481	487	487	487	484	74	80	78	74	77	77	77	77	77	77	77	77	77	77	77	2			
		452	79	544	13	544	554	552	547	548	92	102	100	95	96	96	96	96	96	96	96	96	96	96	96	2			
		644	75	731	12	731	741	738	736	735	87	97	94	92	91	91	91	91	91	91	91	91	91	91	91	2			
		490	69	569	10	569	579	575	574	573	79	89	85	84	83	83	83	83	83	83	83	83	83	83	83	2			
		485	66	565	14	565	574	571	570	569	80	89	86	85	84	84	84	84	84	84	84	84	84	84	84	2			
		531	66	606	9	606	615	612	611	609	75	84	81	80	78	78	78	78	78	78	78	78	78	78	78	2			
		554	59	621	8	621	630	627	626	624	67	76	73	72	70	70	70	70	70	70	70	70	70	70	70	2			
		566	62	637	9	637	645	643	642	640	71	79	77	76	74	74	74	74	74	74	74	74	74	74	74	2			
		745	65	821	11	821	831	827	826	824	76	86	82	81	79	79	79	79	79	79	79	79	79	79	79	2			
		893	77	979	9	979	988	985	984	983	86	95	92	91	90	90	90	90	90	90	90	90	90	90	90	2			
		994	60	1059	5	1059	1066	1064	1064	1061	65	72	70	70	67	67	67	67	67	67	67	67	67	67	67	2			
		1141	54	1197	2	1197	1200	1199	1201	1199	56	59	58	60	58	58	58	58	58	58	58	58	58	58	58	2			
		707	32	741	2	741	741	741	743	743	34	34	34	36	36	36	36	36	36	36	36	36	36	36	36	2			
		460	18	479	1	479	479	479	481	481	19	19	19	21	21	21	21	21	21	21	21	21	21	21	21	2			
		361	14	376	1	376	376	376	378	378	15	15	15	17	17	17	17	17	17	17	17	17	17	17	17	2			
		293	12	305	0	305	305	305	308	306	12	12	12	15	13	13	13	13	13	13	13	13	13	13	13	1			
		191	8	199	0	199	199	199	199	200	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1			
		121	5	126	0	126	126	126	126	127	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1			
		10320	919	11357	118	11357	11457	11425	11418	11415	1037	1137	1105	1098	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	58			
		% CT of HV																											
		Day (6am-10pm)	808	10230	106	10230	10324	10294	10291	10273	914	1008	978	975	957	957	957	957	957	957	957	957	957	957	957	43			
		% CT of HV																											
		Night (10pm-7am)	1004	111	1127	1133	1131	1131	1127	1142	123	129	127	123	138	138	138	138	138	138	138	138	138	138	138	15			
		% CT of HV																											

		2008 Average Weekday 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																									
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only					
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	
							Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	
Two-Way	0:00	78	2	0	80	80	80	80	80	82	2	2	2	2	4	2.5%	2.5%	2.5%	2.5%	2.5%	4.9%	0	0	0	0	0	
	1:00	38	2	0	40	40	40	40	40	42	2	2	2	2	4	5.0%	5.0%	5.0%	5.0%	5.0%	9.5%	0	0	0	0	0	
	2:00	32	2	0	34	34	34	34	34	38	2	2	2	2	6	5.9%	5.9%	5.9%	5.9%	5.9%	15.8%	0	0	0	0	0	
	3:00	36	6	0	42	42	42	42	42	46	6	6	6	6	10	14.3%	14.3%	14.3%	14.3%	14.3%	21.7%	0	0	0	0	0	
	4:00	84	9	1	94	94	94	94	94	98	10	10	10	10	14	10.6%	10.6%	10.6%	10.6%	10.6%	14.3%	0	0	0	0	0	
	5:00	313	33	4	350	350	350	350	350	354	37	37	37	37	41	10.6%	10.6%	10.6%	10.6%	10.6%	11.6%	0	0	0	0	0	
	6:00	917	95	14	1026	1038	1026	1038	1026	1033	109	126	121	109	116	10.6%	12.1%	11.7%	10.6%	10.6%	11.2%	11.2%	0	17	12	10	7
	7:00	1328	125	23	1476	1496	1491	1485	1485	1484	148	168	163	157	156	10.0%	11.2%	10.9%	10.6%	10.6%	10.5%	0	20	15	10	9	
	8:00	1916	121	22	2059	2079	2073	2067	2067	2067	143	163	157	153	151	6.9%	7.8%	7.6%	7.4%	7.3%	7.3%	0	20	14	10	8	
	9:00	1266	112	19	1397	1417	1409	1407	1405	1405	131	151	143	141	139	9.4%	10.7%	10.1%	10.0%	10.0%	9.9%	0	20	12	10	8	
	10:00	1124	112	22	1258	1276	1270	1268	1265	1265	134	152	146	144	141	10.7%	11.9%	11.5%	11.4%	11.1%	11.1%	0	18	12	10	7	
	11:00	1131	113	19	1263	1281	1275	1273	1269	1269	132	150	144	142	138	10.5%	11.7%	11.3%	11.2%	10.9%	10.9%	0	18	12	10	6	
	12:00	1145	106	17	1268	1285	1280	1278	1274	1274	123	140	135	133	129	9.7%	10.9%	10.5%	10.4%	10.1%	10.1%	0	17	12	10	6	
	13:00	1134	108	18	1260	1277	1272	1270	1266	1266	126	143	138	136	132	10.0%	11.2%	10.8%	10.7%	10.4%	10.4%	0	17	12	10	6	
	14:00	1367	109	21	1497	1517	1509	1507	1504	1504	130	150	142	140	137	8.7%	9.9%	9.4%	9.3%	9.1%	9.1%	0	20	12	10	7	
	15:00	1756	132	19	1907	1924	1919	1917	1914	1914	151	168	163	161	158	7.9%	8.7%	8.5%	8.4%	8.3%	8.3%	0	17	12	10	7	
	16:00	1736	93	10	1839	1852	1848	1848	1843	1843	103	116	112	112	107	5.6%	6.3%	6.1%	6.1%	5.8%	5.8%	0	13	9	9	4	
	17:00	1859	75	4	1938	1941	1940	1945	1942	1942	79	82	81	86	83	4.1%	4.2%	4.2%	4.4%	4.3%	4.3%	0	3	2	7	4	
	18:00	1279	44	4	1327	1327	1327	1331	1331	1331	48	48	48	48	52	3.6%	3.6%	3.6%	3.9%	3.9%	3.9%	0	0	0	4	4	
	19:00	874	26	1	901	901	901	905	905	905	27	27	27	31	31	3.0%	3.0%	3.0%	3.4%	3.4%	3.4%	0	0	0	4	4	
	20:00	609	18	1	628	628	628	632	632	632	19	19	19	23	23	3.0%	3.0%	3.0%	3.6%	3.6%	3.6%	0	0	0	4	4	
	21:00	483	16	1	500	500	500	505	502	502	17	17	17	22	19	3.4%	3.4%	3.4%	4.4%	4.4%	3.8%	0	0	0	5	2	
	22:00	344	11	0	355	355	355	355	357	357	11	11	11	11	13	3.1%	3.1%	3.1%	3.1%	3.1%	3.6%	0	0	0	0	2	
23:00	210	7	0	217	217	217	217	219	219	7	7	7	7	9	3.2%	3.2%	3.2%	3.2%	4.1%	4.1%	0	0	0	0	2		
Daily	21059	1477	220	22756	22956	22892	22878	22872	22872	1697	1897	1833	1819	1813	7.5%	8.3%	8.0%	8.0%	7.9%	7.9%	0	200	136	122	116		
% CT of HV															0.0%	10.5%	7.4%	6.7%	6.4%	6.4%							
Day (6am-10pm)	19007	1310	201	20518	20701	20642	20640	20603	20603	1511	1694	1635	1633	1596	7.9%	8.2%	7.9%	7.9%	7.7%	7.7%	0	183	124	122	85		
% CT of HV															0.0%	10.8%	7.6%	7.5%	5.3%	5.3%							
Night (10pm-7am)	2052	167	19	2238	2255	2250	2238	2269	2269	186	203	198	186	217	8.3%	9.0%	8.8%	8.3%	9.6%	9.6%	0	17	12	0	31		
% CT of HV															0.0%	8.4%	6.1%	0.0%	14.3%	14.3%							

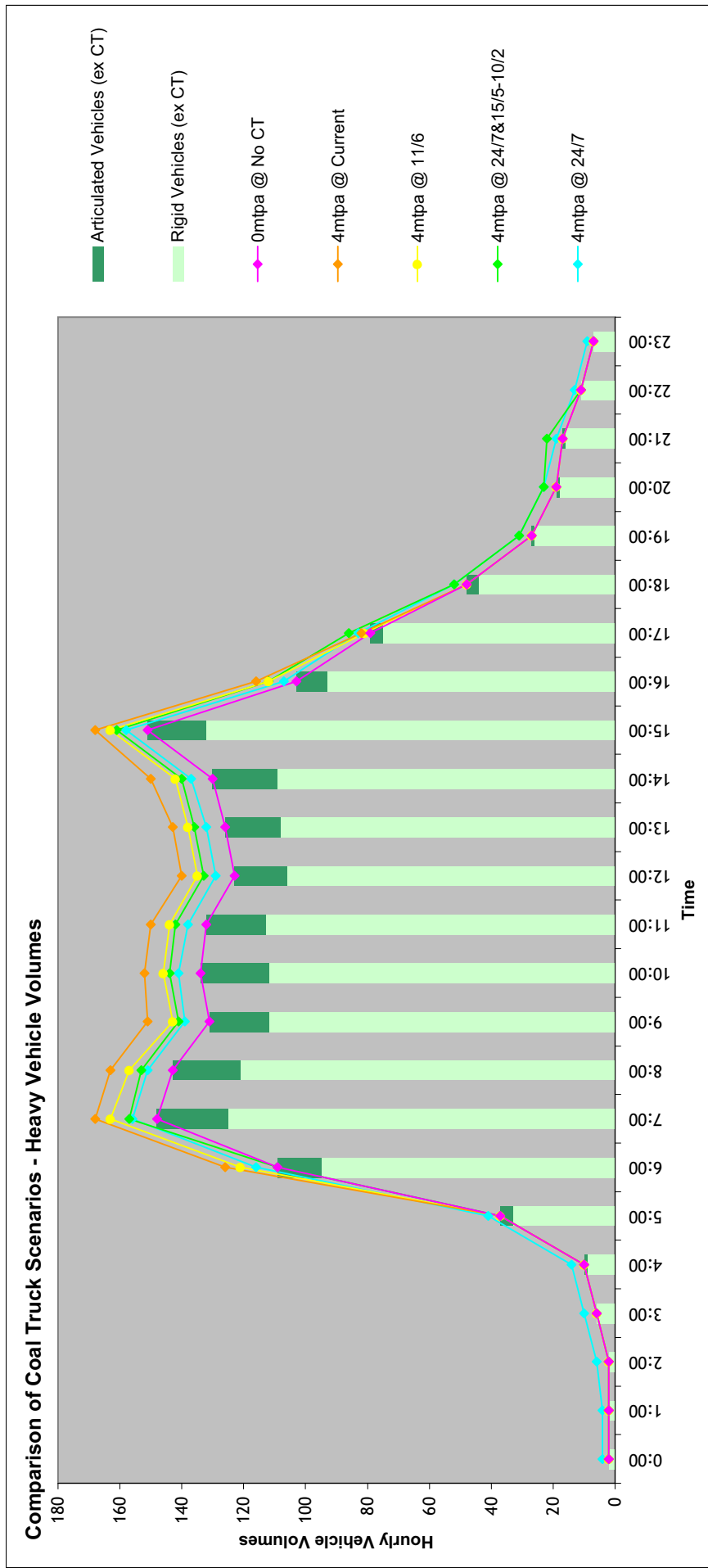
2008 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



2008 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



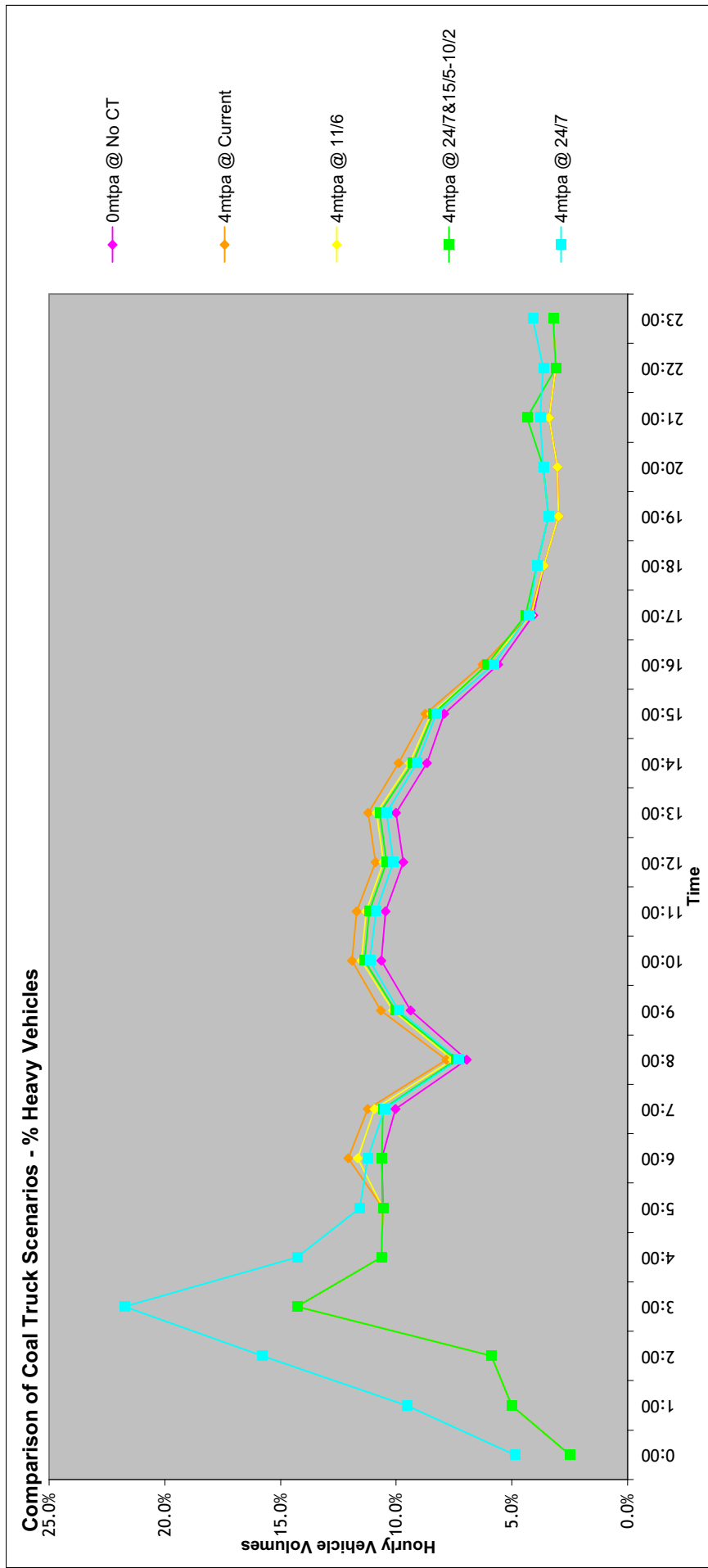
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0 mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4 mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

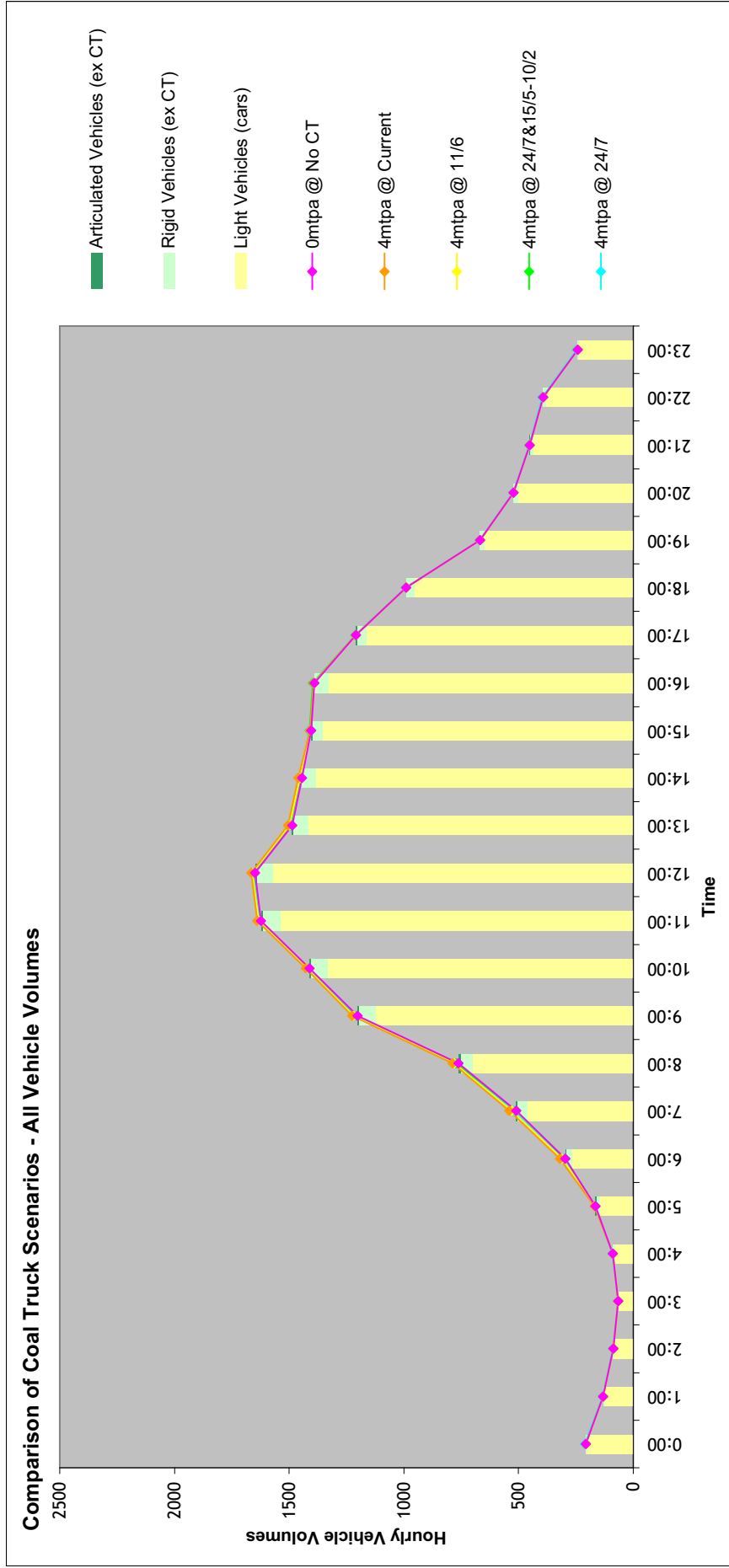
Direction		2008 Average Weekend 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																													
		Total Heavy Vehicles Including Coal Trucks													% Heavy Vehicles Including Coal Trucks																
		Base Volumes						Total Vehicles Including Coal Trucks						Trucks						Total Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H		
			84	2	0	86	86	86	86	86	86	88	88	2	2	2	2	4	2.3%	2.3%	2.3%	2.3%	4.5%	0	0	0	0	0	2		
			58	3	0	61	61	61	61	61	61	63	63	3	3	3	3	5	4.9%	4.9%	4.9%	4.9%	7.9%	0	0	0	0	0	2		
			35	2	0	37	37	37	37	37	37	38	38	2	2	2	2	3	5.4%	5.4%	5.4%	5.4%	7.9%	0	0	0	0	0	1		
			25	1	0	26	26	26	26	26	26	27	27	1	1	1	1	2	3.8%	3.8%	3.8%	3.8%	7.4%	0	0	0	0	0	1		
			35	1	1	37	37	37	37	37	37	38	38	2	2	2	2	3	5.4%	5.4%	5.4%	5.4%	7.9%	0	0	0	0	0	1		
			78	5	2	85	88	87	85	87	85	86	86	7	10	9	7	8	8.2%	11.4%	10.3%	8.2%	9.3%	0	3	2	0	0	1		
			149	7	0	156	170	165	156	165	156	162	162	7	21	16	7	13	4.5%	12.4%	9.7%	4.5%	8.0%	0	14	9	0	0	6		
			253	12	3	268	283	278	268	278	268	274	274	15	30	25	15	21	5.6%	10.6%	9.0%	5.6%	7.7%	0	15	10	0	0	9		
			441	15	2	458	471	464	464	464	463	463	463	17	30	26	23	22	3.7%	6.8%	5.6%	5.0%	4.8%	0	13	9	6	6	5		
			705	19	4	728	739	736	735	735	733	733	733	23	34	31	30	28	3.2%	4.6%	4.2%	4.1%	3.8%	0	11	8	7	5	5		
			780	22	2	804	813	810	810	810	807	807	807	24	33	30	30	27	3.0%	4.1%	3.7%	3.7%	3.3%	0	9	6	6	3	3		
			873	21	2	896	904	901	901	901	899	899	899	23	31	28	28	26	2.6%	3.4%	3.1%	3.1%	2.9%	0	8	5	5	3	3		
			823	17	3	843	852	849	847	846	846	846	846	20	29	26	24	23	2.4%	3.4%	3.1%	2.8%	2.7%	0	9	6	4	3	3		
			690	14	3	707	716	713	711	711	711	711	711	17	26	23	21	21	2.4%	3.6%	3.2%	3.0%	3.0%	0	9	6	4	4	4		
			656	10	0	666	673	671	670	669	669	669	669	10	17	15	14	13	1.5%	2.5%	2.2%	2.1%	1.9%	0	7	5	4	3	3		
			601	9	1	611	613	612	615	612	615	612	612	10	12	11	14	11	1.6%	2.0%	1.8%	2.3%	1.8%	0	2	1	4	1	1		
			593	11	1	605	605	605	608	606	608	606	606	12	12	12	15	13	2.0%	2.0%	2.0%	2.5%	2.1%	0	0	0	3	1	1		
			554	6	1	561	561	561	562	562	562	562	562	7	7	7	8	8	1.2%	1.2%	1.2%	1.4%	1.4%	0	0	0	1	1	1		
			490	5	0	495	495	495	495	495	495	496	496	5	5	5	5	6	1.0%	1.0%	1.0%	1.0%	1.2%	0	0	0	0	1	1		
			323	2	1	326	326	326	326	327	327	327	327	3	3	3	3	4	0.9%	0.9%	0.9%	0.9%	1.2%	0	0	0	0	1	1		
			243	3	0	246	246	246	246	247	247	247	247	3	3	3	3	4	1.2%	1.2%	1.2%	1.2%	1.6%	0	0	0	0	1	1		
			181	3	1	185	185	185	185	186	186	186	186	4	4	4	4	5	2.2%	2.2%	2.2%	2.2%	2.7%	0	0	0	0	1	1		
			170	3	0	173	173	173	173	175	175	175	175	3	3	3	3	5	1.7%	1.7%	1.7%	1.7%	2.9%	0	0	0	0	2	2		
			93	2	0	95	95	95	95	95	97	97	97	2	2	2	2	4	2.1%	2.1%	2.1%	2.1%	4.1%	0	0	0	0	2	2		
			8933	195	27	9155	9255	9222	9199	9212	9199	9212	222	322	289	266	279	279	2.4%	3.5%	3.1%	2.9%	3.0%	0	100	67	44	57	57		
			% CT of HV																0.0%	3.1%	23.2%	16.5%	20.4%								
			8206	169	24	8399	8482	8455	8443	8438	8443	8438	193	276	249	237	232	232	2.3%	3.3%	2.9%	2.8%	2.7%	0	83	56	44	39	39		
			% CT of HV																0.0%	30.1%	22.5%	18.6%	16.8%								
			727	26	3	756	773	767	756	774	756	774	29	46	40	29	47	47	3.8%	6.0%	5.2%	3.8%	6.1%	0	17	11	0	18	18		
			% CT of HV																0.0%	37.0%	27.5%	0.0%	38.3%								

Direction		2008 Average Weekend 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																									
		Total Heavy Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks													
		Total Vehicles Including Coal Trucks						Trucks						Total Heavy Vehicles Including Coal Trucks						Coal Trucks Only							
		Base Volumes		A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-10/2		Amtpa @ 24/7		Omtpa @ No CT		Amtpa @ Current		Amtpa @ 11/6		Amtpa @ 24/7&15-10/2		Amtpa @ 24/7	
Time		117	4	0	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
0:00		67	3	0	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
1:00		48	3	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2:00		37	2	0	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
3:00		46	7	0	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
4:00		68	10	2	80	82	81	80	81	80	81	80	81	80	81	80	81	80	81	80	81	80	81	80	81	80	81
5:00		119	20	2	141	149	146	141	145	141	145	141	145	141	145	141	145	141	145	141	145	141	145	141	145	141	145
6:00		210	30	2	242	257	252	242	248	242	248	242	248	242	248	242	248	242	248	242	248	242	248	242	248	242	248
7:00		261	36	7	304	317	313	307	309	304	317	313	307	309	304	317	313	307	309	304	317	313	307	309	304	317	313
8:00		419	52	3	474	487	483	481	479	474	487	483	481	479	474	487	483	481	479	474	487	483	481	479	474	487	483
9:00		552	51	3	606	615	613	612	611	611	615	613	612	611	611	615	613	612	611	611	615	613	612	611	611	615	613
10:00		663	59	4	726	735	731	731	729	729	735	731	731	729	729	735	731	731	729	729	735	731	731	729	729	735	731
11:00		745	57	3	805	813	811	810	808	808	813	811	810	808	808	813	811	810	808	808	813	811	810	808	808	813	811
12:00		728	50	2	780	789	786	784	783	783	789	786	784	783	783	789	786	784	783	783	789	786	784	783	783	789	786
13:00		728	49	1	778	787	783	782	782	782	787	783	782	782	782	787	783	782	782	782	787	783	782	782	782	787	783
14:00		752	38	2	792	796	795	796	793	793	796	795	796	793	793	796	795	796	793	793	796	795	796	793	793	796	795
15:00		736	49	1	786	787	787	790	787	787	787	787	790	787	787	787	787	790	787	787	787	787	787	787	787	787	787
16:00		608	37	3	648	648	648	650	649	649	648	648	650	649	649	648	648	650	649	649	648	648	648	648	648	648	648
17:00		466	28	1	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
18:00		323	19	1	343	343	343	343	344	344	343	343	343	344	344	343	343	343	344	344	343	343	343	343	343	343	343
19:00		261	15	1	277	277	277	277	278	278	277	277	277	278	278	277	277	277	278	278	277	277	277	277	277	277	277
20:00		257	8	1	266	266	266	266	267	267	266	266	266	267	267	266	266	266	267	267	266	266	266	266	266	266	266
21:00		209	11	0	220	220	220	220	222	222	220	220	220	222	222	220	220	220	222	222	220	220	220	220	220	220	220
22:00		143	5	0	148	148	148	148	150	150	148	148	148	150	150	148	148	148	150	150	148	148	148	148	148	148	148
23:00		8563	643	39	9245	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312
Daily		8563	643	39	9245	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312	9289	9302	9302	9345	9312
% CT of HV																											
Day (6am-10pm)		7709	578	35	8322	8412	8383	8366	8363	8363	8412	8383	8366	8363	8363	8412	8383	8366	8363	8363	8412	8383	8366	8363	8363	8412	8383
% CT of HV		854	65	4	923	933	929	923	939	939	933	929	923	939	939	933	929	923	939	939	933	929	923	939	939	933	929
Night (10pm-7am)																											
% CT of HV																											

Direction		2008 Average Weekend																									
		8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																									
		Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks													
		Base Volumes						Trucks						Coal Trucks						Coal Trucks Only							
Time	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H	A	Bx	B	E	H				
				Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2	Amtpa @ 24/7	Omtpa @ No CT	Amtpa @ Current	Amtpa @ 11/6	Amtpa @ 24/7&15-5-10/2
0:00	201	6	0	207	207	207	207	211	6	6	6	6	10	2.9%	2.9%	2.9%	2.9%	4.7%	0	0	0	0	4	4	4	4	4
1:00	125	6	0	131	131	131	131	135	6	6	6	6	10	4.6%	4.6%	4.6%	4.6%	7.4%	0	0	0	0	4	4	4	4	4
2:00	83	5	0	88	88	88	88	90	5	5	5	5	7	5.7%	5.7%	5.7%	5.7%	7.8%	0	0	0	0	2	2	2	2	2
3:00	62	3	0	65	65	65	65	67	3	3	3	3	5	4.6%	4.6%	4.6%	4.6%	7.5%	0	0	0	0	2	2	2	2	2
4:00	81	8	1	90	90	90	90	92	9	9	9	9	11	10.0%	10.0%	10.0%	10.0%	12.0%	0	0	0	0	2	2	2	2	2
5:00	146	15	4	165	170	168	165	167	19	24	22	19	21	11.5%	14.1%	13.1%	11.5%	12.6%	0	5	3	0	2	2	2	2	2
6:00	268	27	2	297	319	311	297	307	29	43	29	29	39	9.8%	16.0%	13.8%	9.8%	12.7%	0	22	14	0	10	10	10	10	10
7:00	463	42	5	510	540	530	510	522	47	77	67	47	59	9.2%	14.3%	12.6%	9.2%	11.3%	0	30	20	0	12	12	12	12	12
8:00	702	51	9	762	788	780	771	772	60	86	78	69	70	7.9%	10.9%	10.0%	8.9%	9.1%	0	26	18	9	10	10	10	10	10
9:00	1124	71	7	1202	1226	1219	1216	1212	78	102	95	92	88	6.5%	8.3%	7.8%	7.6%	7.3%	0	24	17	14	10	10	10	10	10
10:00	1332	73	5	1410	1428	1423	1422	1418	78	96	91	90	86	5.5%	6.7%	6.4%	6.3%	6.1%	0	18	13	12	8	8	8	8	8
11:00	1536	80	6	1622	1639	1632	1632	1628	86	103	96	96	92	5.3%	6.3%	5.9%	5.9%	5.7%	0	17	10	10	6	6	6	6	6
12:00	1568	74	6	1648	1665	1660	1657	1654	80	97	92	89	86	4.9%	5.8%	5.5%	5.4%	5.2%	0	17	12	9	6	6	6	6	6
13:00	1418	64	5	1487	1505	1499	1495	1494	69	87	81	77	76	4.6%	5.8%	5.4%	5.2%	5.1%	0	18	12	8	7	7	7	7	7
14:00	1384	59	1	1444	1460	1454	1452	1451	60	76	70	68	67	4.2%	5.2%	4.8%	4.7%	4.6%	0	16	10	8	7	7	7	7	7
15:00	1353	47	3	1403	1409	1407	1411	1405	50	56	54	58	52	3.6%	4.0%	3.8%	4.1%	3.7%	0	6	4	8	2	2	2	2	2
16:00	1329	60	2	1391	1392	1392	1398	1393	62	63	63	69	64	4.5%	4.5%	4.5%	4.9%	4.6%	0	1	1	7	2	2	2	2	2
17:00	1162	43	4	1209	1209	1209	1212	1211	47	47	47	50	49	3.9%	3.9%	3.9%	4.1%	4.0%	0	0	0	3	2	2	2	2	2
18:00	956	33	1	990	990	990	990	992	34	34	34	34	36	3.4%	3.4%	3.4%	3.4%	3.6%	0	0	0	2	2	2	2	2	2
19:00	646	21	2	669	669	669	669	671	23	23	23	23	25	3.4%	3.4%	3.4%	3.4%	3.7%	0	0	0	2	2	2	2	2	2
20:00	504	18	1	523	523	523	523	525	19	19	19	19	21	3.6%	3.6%	3.6%	3.6%	4.0%	0	0	0	2	2	2	2	2	2
21:00	438	11	2	451	451	451	451	453	13	13	13	13	15	2.9%	2.9%	2.9%	2.9%	3.3%	0	0	0	2	2	2	2	2	2
22:00	379	14	0	393	393	393	393	397	14	14	14	14	18	3.6%	3.6%	3.6%	3.6%	4.5%	0	0	0	4	4	4	4	4	4
23:00	236	7	0	243	243	243	243	247	7	7	7	7	11	2.9%	2.9%	2.9%	2.9%	4.5%	0	0	0	4	4	4	4	4	4
Daily	17496	838	66	18400	18600	18534	18488	18514	904	1104	1038	992	1018	5.9%	5.9%	5.6%	5.4%	5.5%	0	200	134	88	114	114	114	114	114
% CT of HV														0.0%	18.1%	12.9%	8.9%	11.2%									
Day (6am-10pm)	15915	747	59	16721	16894	16838	16809	16801	806	979	923	894	886	4.8%	5.8%	5.5%	5.3%	5.3%	0	173	117	88	80	80	80	80	80
% CT of HV														0.0%	17.7%	12.7%	9.8%	9.0%									
Night (10pm-7am)	1581	91	7	1679	1706	1696	1679	1713	98	125	115	98	132	5.8%	7.3%	6.8%	5.8%	7.7%	0	27	17	0	34	34	34	34	34
% CT of HV														0.0%	21.6%	14.8%	0.0%	25.8%									

2008 Average Weekend

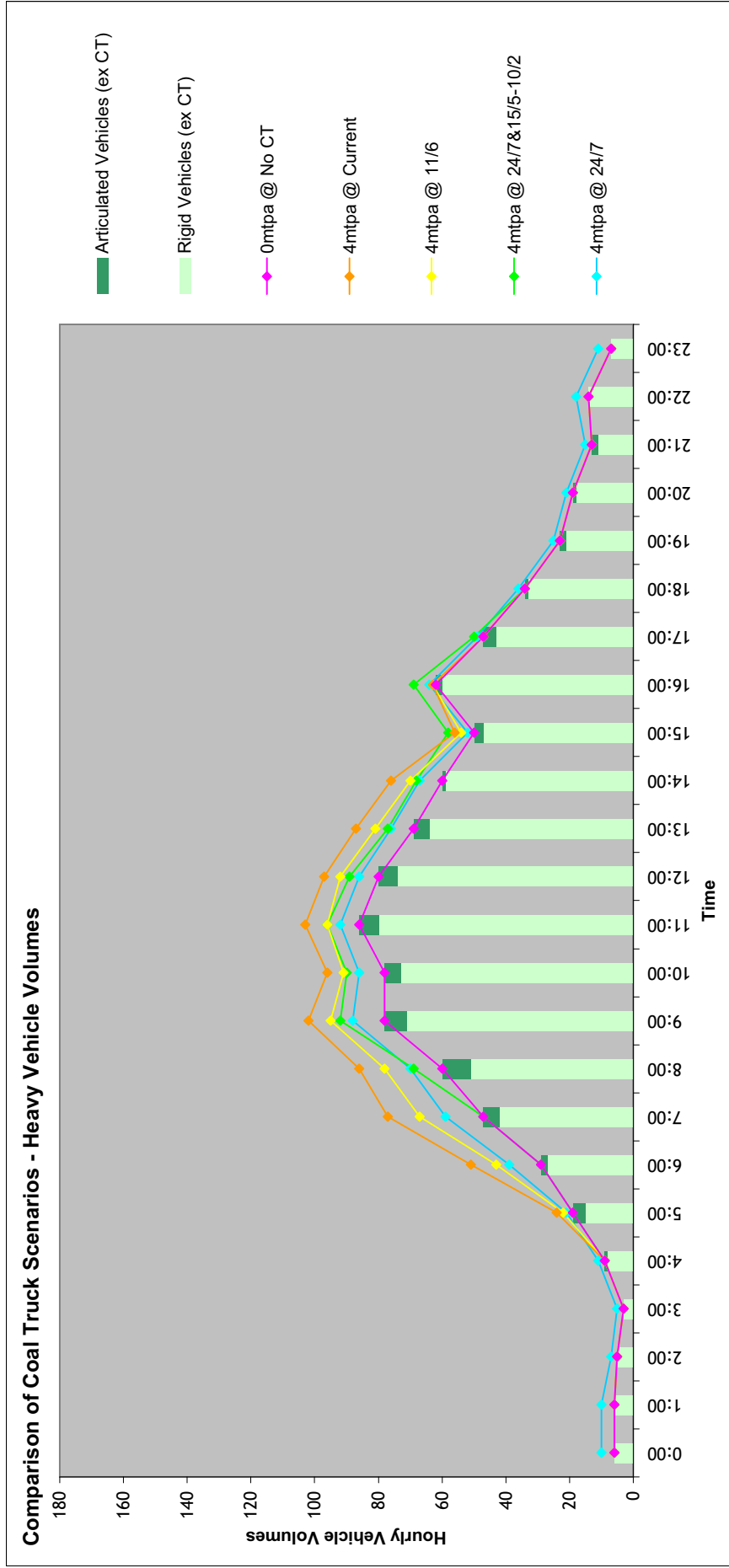
8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



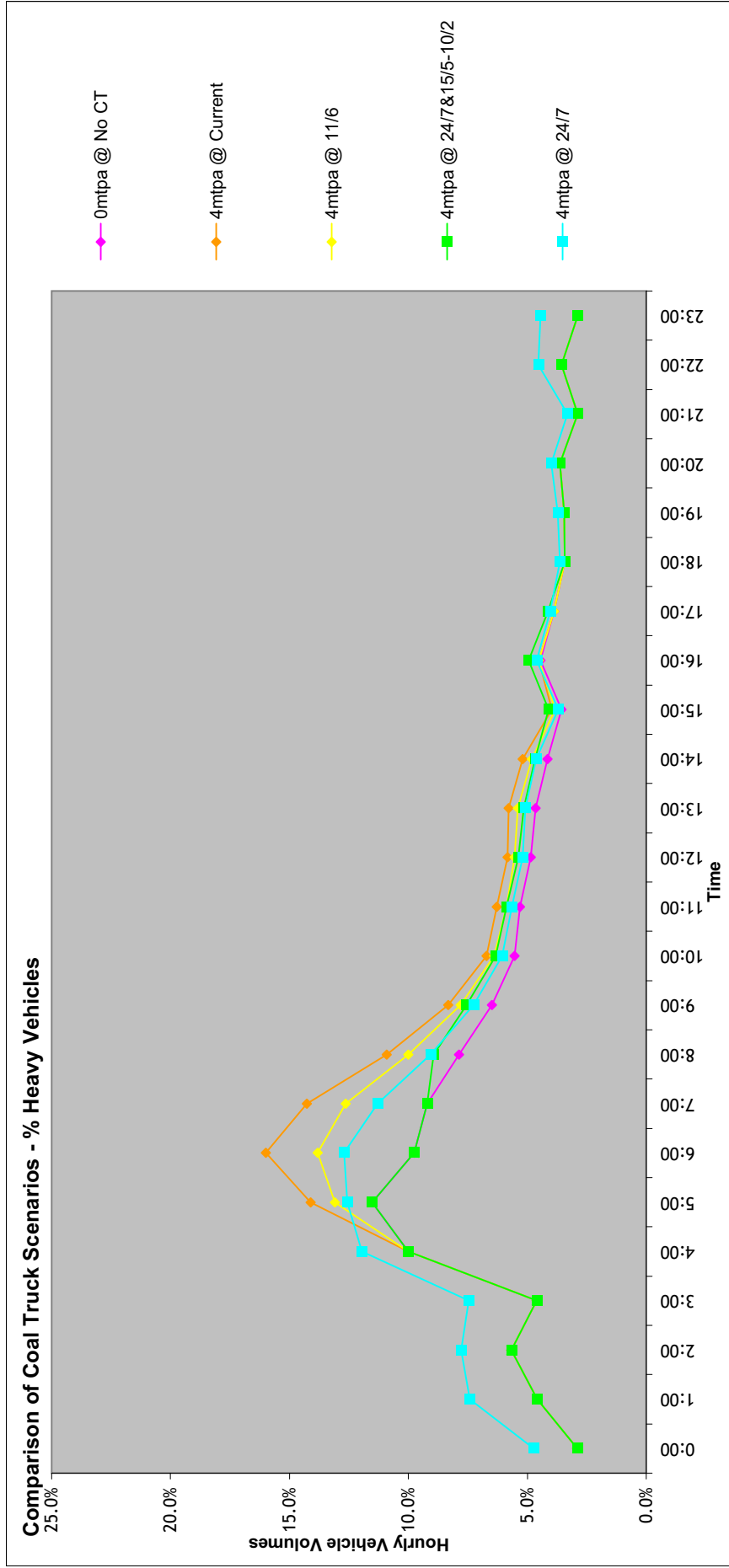
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic+CT)
 0 mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4 mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2008 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



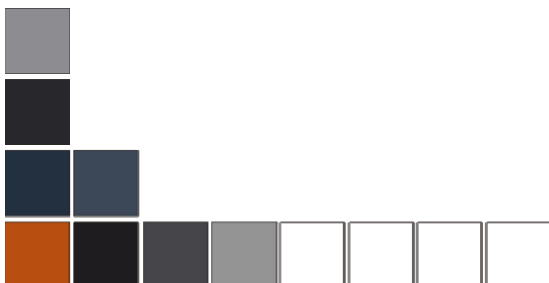
Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

Appendix X

Traffic Volume

Scenarios

2009



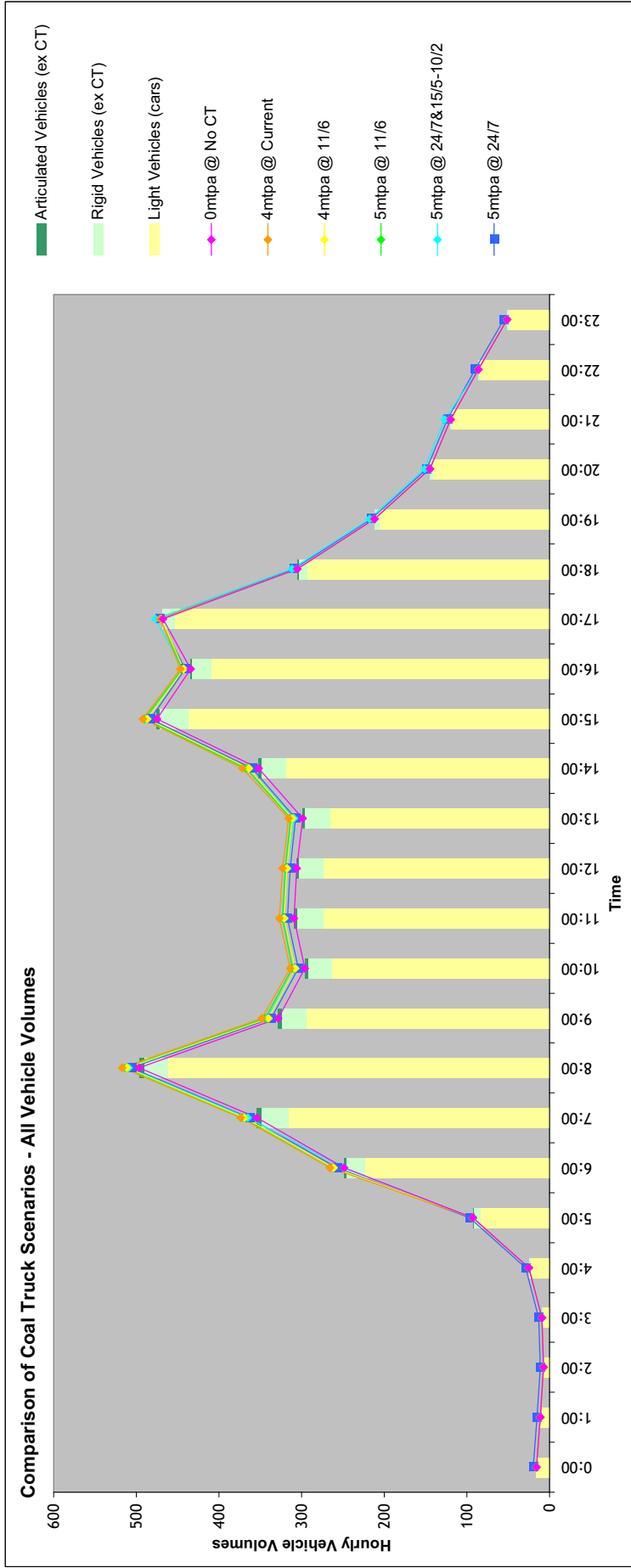
This page intentionally left blank

Direction	2009 Average Weekday																																
	7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																
	Base Volumes								Total Heavy Vehicles Including Coal Trucks								% Heavy Vehicles Including Coal Trucks								Coal Trucks Only								
	Light Vehicles (cars)				Articulated Vehicles (ex CT)				A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	
0:00	8	0	0	8	10	0	0	0	0	0	0	2	0.0%	0.0%	0.0%	0.0%	20.8%	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1:00	6	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
2:00	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
3:00	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
4:00	8	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
5:00	33	3	0	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36			
6:00	100	7	1	108	119	116	117	108	113	8	19	16	17	8	13	7.4%	16.0%	13.8%	14.5%	7.4%	11.5%	0	11	8	9	0	5	0	0	0	0		
7:00	175	11	2	188	198	195	196	195	192	13	23	20	21	20	17	6.9%	11.6%	10.3%	10.7%	10.3%	8.9%	0	10	7	8	7	4	0	0	0	0		
8:00	273	13	2	288	298	295	296	294	293	15	25	22	23	21	20	5.2%	8.4%	7.5%	7.8%	7.1%	6.8%	0	10	7	8	6	5	0	0	0	0		
9:00	149	12	2	163	173	169	171	170	167	14	24	20	22	21	18	8.6%	13.9%	11.8%	12.9%	12.4%	10.8%	0	10	6	8	7	4	0	0	0	0		
10:00	126	12	1	139	148	145	146	145	143	13	22	19	20	19	17	9.4%	14.9%	13.1%	13.7%	13.1%	11.9%	0	9	6	7	6	4	0	0	0	0		
11:00	128	13	2	143	152	149	150	149	147	15	24	21	22	21	19	10.5%	15.8%	14.1%	14.7%	14.1%	12.9%	0	9	6	7	6	4	0	0	0	0		
12:00	130	13	2	145	153	151	152	151	149	15	23	21	22	21	19	10.3%	15.0%	13.9%	14.5%	13.9%	12.8%	0	8	6	7	6	4	0	0	0	0		
13:00	118	14	1	133	142	139	140	138	137	15	24	21	22	20	19	11.3%	16.9%	15.1%	15.7%	14.5%	13.9%	0	9	6	7	5	4	0	0	0	0		
14:00	137	12	2	151	161	157	159	157	155	14	24	20	22	20	18	9.3%	14.9%	12.7%	13.8%	12.7%	11.6%	0	10	6	8	6	4	0	0	0	0		
15:00	187	16	2	205	213	211	212	211	209	18	26	24	25	24	22	8.8%	12.2%	11.4%	11.8%	11.4%	10.5%	0	8	6	7	6	4	0	0	0	0		
16:00	155	9	1	165	171	169	170	170	168	10	16	14	15	15	13	6.1%	9.4%	8.3%	8.8%	8.8%	7.7%	0	6	4	5	5	3	0	0	0	0		
17:00	154	6	0	160	160	160	160	164	162	6	6	6	6	6	8	3.8%	3.8%	3.8%	3.8%	6.1%	4.9%	0	0	0	0	4	2	0	0	0	0		
18:00	114	4	1	119	119	119	119	122	121	5	5	5	5	8	7	4.2%	4.2%	4.2%	4.2%	6.6%	5.8%	0	0	0	0	3	2	0	0	0	0		
19:00	88	3	0	91	91	91	91	94	93	3	3	3	3	6	5	3.3%	3.3%	3.3%	3.3%	6.4%	5.4%	0	0	0	0	3	2	0	0	0	0		
20:00	56	1	0	57	57	57	57	57	60	59	1	1	1	1	4	3	1.8%	1.8%	1.8%	6.7%	5.1%	0	0	0	0	3	2	0	0	0	0		
21:00	46	1	0	47	47	47	47	47	50	49	1	1	1	1	4	3	2.1%	2.1%	2.1%	8.0%	6.1%	0	0	0	0	3	2	0	0	0	0		
22:00	39	1	0	40	40	40	40	40	42	1	1	1	1	1	3	2.5%	2.5%	2.5%	2.5%	2.5%	7.1%	0	0	0	0	3	2	0	0	0	0		
23:00	24	1	0	25	25	25	25	25	27	1	1	1	1	1	3	4.0%	4.0%	4.0%	4.0%	11.1%	11.1%	0	0	0	0	3	2	0	0	0	0		
Daily	2262	152	19	2433	2533	2501	2514	2509	2504	171	271	239	252	247	242	7.0%	10.7%	9.6%	10.0%	9.8%	9.7%	0	100	68	81	76	71	0	0	0	0		
% CT of HV																	36.9%	28.3%	32.1%	30.8%	29.3%												
Day (6am-10pm)	2036	140	18	2194	2283	2254	2266	2270	2244	158	247	218	230	234	208	7.2%	10.8%	9.7%	10.2%	10.3%	9.3%	0	89	60	72	76	50	0	0	0	0	0	
% CT of HV																	0.0%	36.0%	27.5%	31.3%	32.5%	24.0%											
Night (10pm-7am)	226	12	1	239	250	247	248	239	260	13	24	21	22	13	34	5.4%	9.6%	8.5%	8.9%	5.4%	13.1%	0	11	8	9	0	21	0	0	0	0	0	
% CT of HV																	0.0%	45.8%	38.1%	40.9%	61.8%												

Direction		2009 Average Weekday 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																					
		Base Volumes						Total Heavy Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks			
Time	Direction	Light Vehicles (cars)		Articulated Vehicles (ex CT)		Total Heavy Vehicles Including Coal Trucks		Total Heavy Vehicles Including Coal Trucks		Total Heavy Vehicles Including Coal Trucks		% Heavy Vehicles Including Coal Trucks		% Heavy Vehicles Including Coal Trucks		% Heavy Vehicles Including Coal Trucks		% Heavy Vehicles Including Coal Trucks		Coal Trucks Only			
		A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx	A	Bx
0:00		8	8	0	0	8	8	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00		5	5	0	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00		3	3	0	0	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00		4	5	0	0	5	5	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4:00		15	17	0	0	17	17	17	17	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5:00		50	57	0	0	57	57	57	57	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6:00		123	141	0	0	141	145	145	141	144	18	24	22	22	18	21	12.8%	16.3%	15.2%	12.8%	14.6%	0	6
7:00		141	166	0	0	166	174	175	170	171	25	33	34	29	30	15.1%	19.9%	19.0%	17.1%	17.5%	0	10	
8:00		188	209	0	0	209	219	216	217	215	213	21	31	28	29	10.0%	14.2%	13.0%	13.4%	12.6%	0	10	
9:00		145	175	0	0	175	171	173	172	170	20	26	28	27	25	12.1%	17.1%	15.2%	16.2%	15.7%	0	10	
10:00		137	157	0	0	157	166	163	165	163	161	20	29	26	24	12.7%	17.5%	16.0%	17.0%	16.0%	0	9	
11:00		146	166	0	0	166	175	172	173	172	170	20	29	26	27	12.0%	16.6%	15.1%	15.6%	15.1%	0	9	
12:00		144	161	0	0	161	170	167	168	165	17	26	23	24	23	10.6%	15.3%	13.8%	14.3%	13.8%	0	9	
13:00		148	166	0	0	166	174	172	173	171	170	18	26	24	25	10.8%	14.9%	14.0%	14.5%	13.5%	0	8	
14:00		182	201	0	0	201	211	207	208	207	205	19	29	25	26	9.5%	13.7%	12.1%	12.5%	12.1%	0	10	
15:00		250	270	0	0	270	279	276	278	276	274	20	29	26	28	7.4%	10.4%	9.4%	10.1%	9.4%	0	9	
16:00		254	269	0	0	269	276	274	274	274	273	15	22	20	20	5.6%	8.0%	7.3%	7.3%	7.0%	0	7	
17:00		299	308	0	0	308	311	310	311	313	310	9	12	11	12	2.9%	3.9%	3.5%	3.9%	4.5%	0	3	
18:00		179	186	0	0	186	186	186	186	190	188	7	7	7	11	3.8%	3.8%	3.8%	3.8%	5.8%	0	0	
19:00		118	121	0	0	121	121	121	121	124	123	3	3	3	6	2.5%	2.5%	2.5%	2.5%	4.8%	0	0	
20:00		85	88	0	0	88	88	88	88	91	90	3	3	3	6	3.4%	3.4%	3.4%	3.4%	6.6%	0	0	
21:00		71	73	0	0	73	73	73	73	77	75	2	2	2	6	2.7%	2.7%	2.7%	2.7%	7.8%	0	0	
22:00		45	46	0	0	46	46	46	46	46	48	1	1	1	1	2.2%	2.2%	2.2%	2.2%	6.3%	0	0	
23:00		25	26	0	0	26	26	26	26	26	28	1	1	1	1	3.8%	3.8%	3.8%	3.8%	10.7%	0	0	
Daily		2765	3014	22	22	3014	3114	3082	3095	3090	3085	249	349	317	330	8.3%	11.2%	10.3%	10.7%	10.5%	0	100	
% CT of HV																0.0%	28.7%	21.5%	24.5%	22.2%			
Day (6am-10pm)		2487	2706	19	19	2706	2800	2770	2783	2782	2758	219	313	283	296	8.1%	11.2%	10.2%	10.6%	10.6%	0	94	
% CT of HV																0.0%	30.0%	22.6%	26.0%	25.8%			
Night (10pm-7am)		278	308	3	3	308	314	312	312	308	327	30	36	34	34	9.7%	11.5%	10.9%	10.9%	9.7%	0	6	
% CT of HV																0.0%	16.7%	11.8%	11.8%	38.8%			

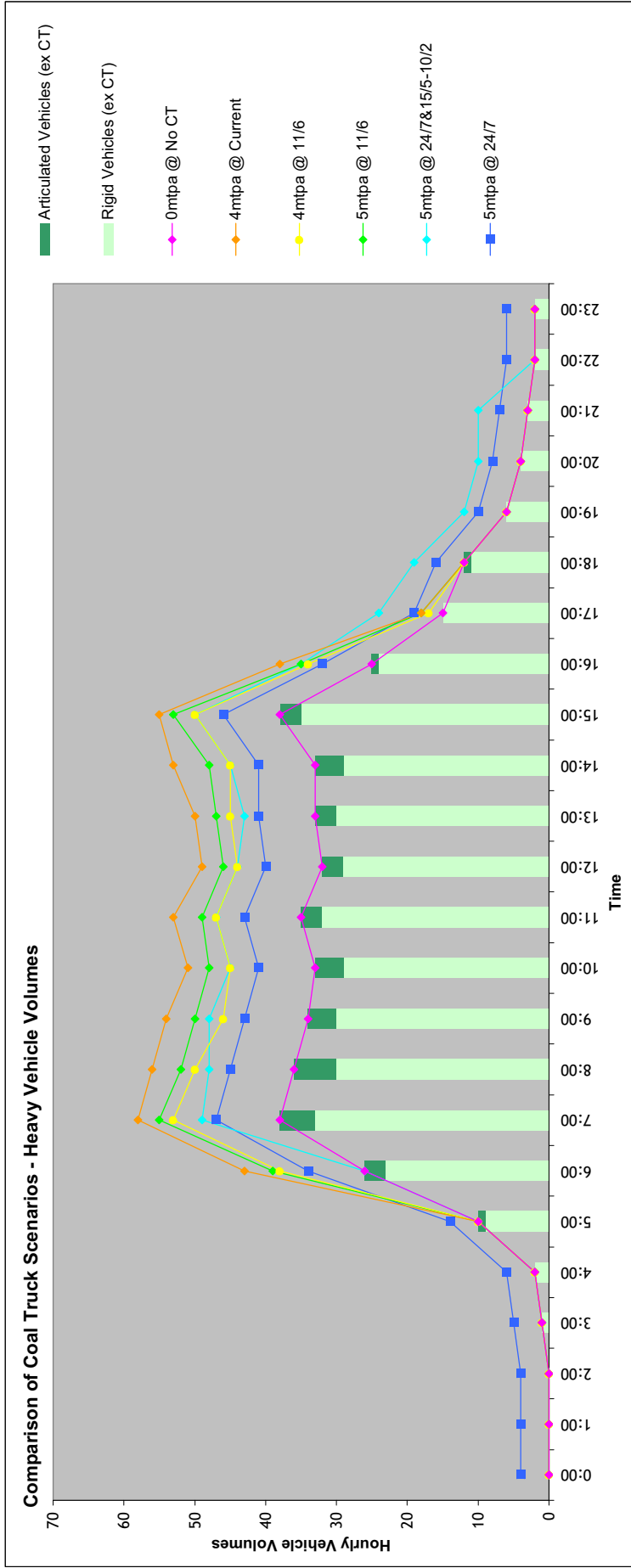
2009 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



2009 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

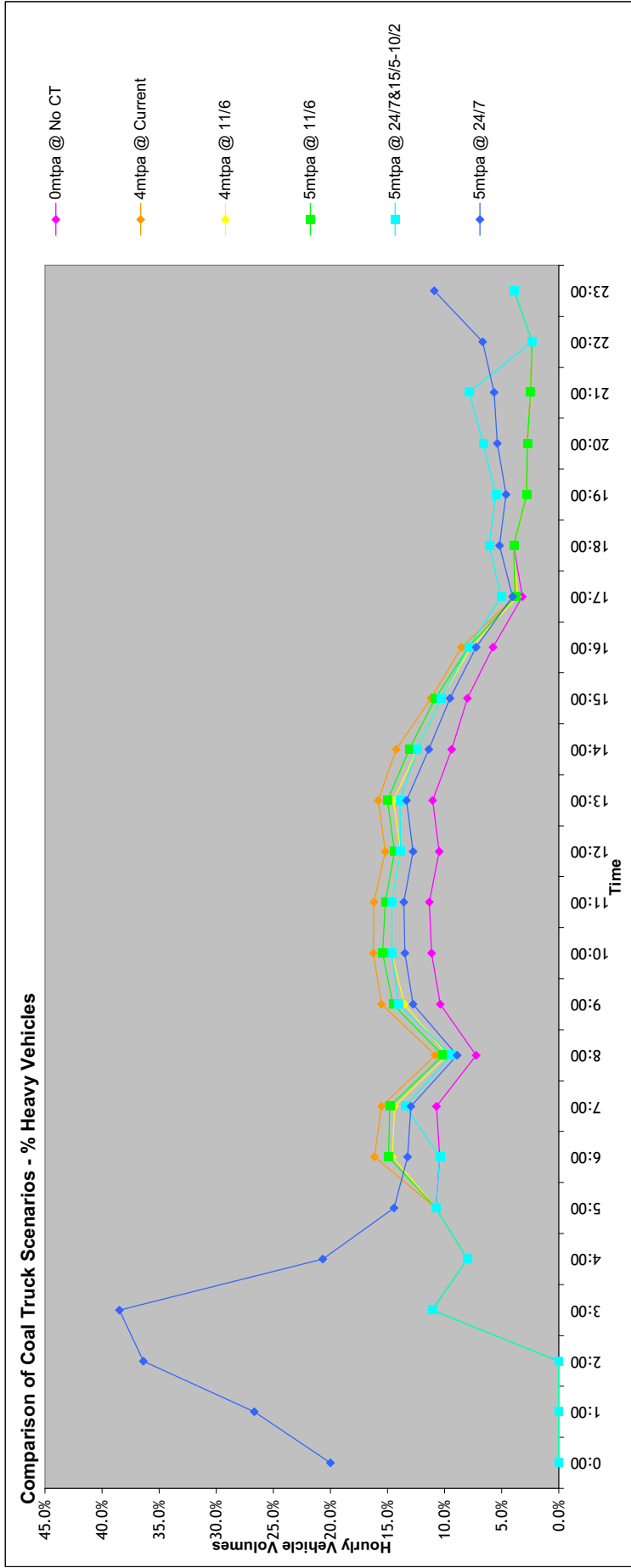
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid-artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun)

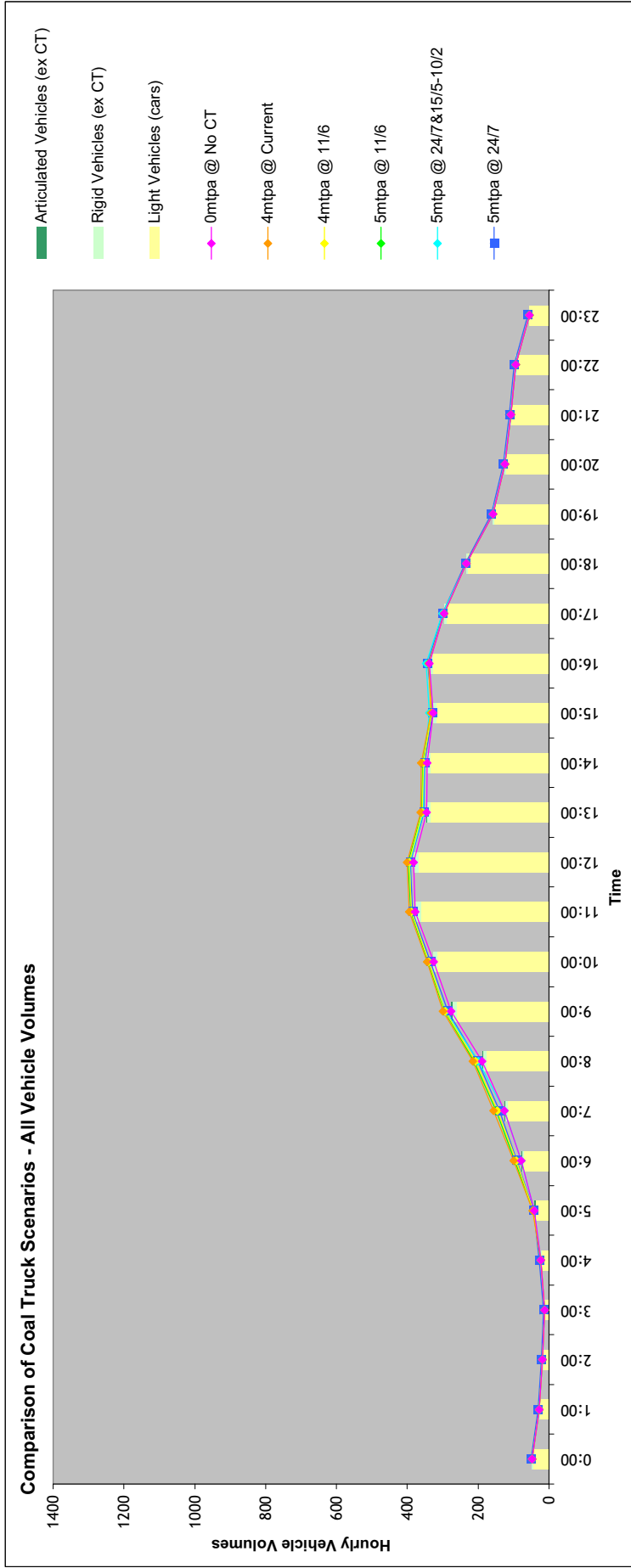
Direction		2009 Average Weekend 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																			
		Base Volumes									Total Heavy Vehicles Including Coal Trucks									% Heavy Vehicles Including Coal Trucks									Coal Trucks Only								
		Light Vehicles (cars)			Rigid Vehicles (ex CT)			Articulated Vehicles (ex CT)			A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I			
0:00	1889	57	5	1951	2051	2018	2030	2003	2023	62	162	129	141	114	134	3.2%	7.9%	6.4%	6.9%	5.7%	6.6%	0	100	67	79	52	72	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7						
1:00	1724	50	4	1778	1861	1834	1844	1830	1828	54	137	110	120	106	104	3.0%	7.4%	6.0%	6.5%	5.8%	5.7%	0	83	56	66	52	50	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7						
2:00	165	7	1	173	190	184	186	173	195	8	25	19	21	8	30	4.6%	13.2%	10.3%	11.3%	4.6%	15.4%	0	17	11	13	0	22	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7	5mtpa @ 24/7						
3:00																																					
4:00																																					
5:00																																					
6:00																																					
7:00																																					
8:00																																					
9:00																																					
10:00																																					
11:00																																					
12:00																																					
13:00																																					
14:00																																					
15:00																																					
16:00																																					
17:00																																					
18:00																																					
19:00																																					
20:00																																					
21:00																																					
22:00																																					
23:00																																					
Daily																																					
% CT of HV																																					
Day (6am-10pm)																																					
% CT of HV																																					
Night (10pm-7am)																																					
% CT of HV																																					

2009 Average Weekend
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	Base Volumes		Total Heavy Vehicles Including Coal Trucks										% Heavy Vehicles Including Coal Trucks										Coal Trucks Only										
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only									
				A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I
0:00	24	1	0	25	25	25	25	25	27	1	1	1	1	1	3	4.0%	4.0%	4.0%	4.0%	4.0%	11.1%	0	0	0	0	0	0	0	0	0	0	0	0
1:00	14	0	0	14	14	14	14	14	16	0	0	0	0	0	2	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0	0	0	0	0	0	0	0	0	0	0	0
2:00	9	1	0	10	10	10	10	10	12	1	1	1	1	1	3	10.0%	10.0%	10.0%	10.0%	10.0%	25.0%	0	0	0	0	0	0	0	0	0	0	0	0
3:00	6	0	0	6	6	6	6	6	6	0	0	0	0	0	2	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	0	0	0	0	0	0	0	0	0	0	0	0
4:00	13	2	0	15	15	15	15	15	17	2	2	2	2	2	4	13.3%	13.3%	13.3%	13.3%	13.3%	23.5%	0	0	0	0	0	0	0	0	0	0	0	0
5:00	20	1	0	22	24	23	22	23	22	3	4	3	3	2	3	9.1%	16.7%	13.0%	13.0%	13.0%	13.0%	0	2	1	1	1	0	0	1	0	1	0	1
6:00	40	4	1	45	53	50	52	45	50	5	13	10	12	5	10	11.1%	24.5%	20.0%	23.1%	11.1%	20.0%	0	8	5	7	0	5	0	8	5	7	0	5
7:00	64	6	1	71	86	81	82	71	78	7	22	17	18	7	14	9.9%	25.6%	21.0%	22.0%	9.9%	17.9%	0	15	10	11	0	7	0	15	10	11	0	7
8:00	85	6	2	93	106	102	105	97	99	8	21	17	20	14	14	8.6%	19.8%	16.7%	19.0%	14.1%	14.1%	0	13	9	12	4	6	0	13	9	12	4	6
9:00	126	7	1	134	147	143	143	141	139	8	21	17	17	15	13	6.0%	14.3%	11.9%	11.9%	10.6%	9.4%	0	13	9	9	7	5	0	13	9	9	7	5
10:00	159	7	0	166	175	173	175	174	171	7	16	14	16	15	12	4.2%	9.1%	8.1%	9.1%	8.6%	7.0%	0	9	7	9	8	5	0	9	7	9	8	5
11:00	184	8	0	192	201	197	198	198	196	8	17	13	14	14	12	4.2%	8.5%	6.6%	7.1%	7.1%	6.1%	0	9	5	6	6	4	0	9	5	6	6	4
12:00	194	7	0	201	209	207	208	206	205	7	15	13	14	12	11	3.5%	7.2%	6.3%	6.7%	5.8%	5.4%	0	8	6	7	5	4	0	8	6	7	5	4
13:00	191	7	0	198	207	204	205	203	202	7	16	13	14	12	11	3.5%	7.7%	6.4%	6.8%	5.9%	5.4%	0	9	6	7	5	4	0	9	6	7	5	4
14:00	191	5	0	196	205	201	202	200	200	5	14	10	11	9	9	2.6%	6.8%	5.0%	5.4%	4.5%	4.5%	0	9	5	6	4	4	0	9	5	6	4	4
15:00	193	5	0	198	202	201	201	203	199	5	9	8	8	10	6	2.5%	4.5%	4.0%	4.0%	4.9%	3.0%	0	4	3	3	5	1	0	4	3	3	5	1
16:00	195	7	0	202	203	203	203	207	204	7	8	8	8	12	9	3.5%	3.9%	3.9%	3.9%	5.8%	4.4%	0	1	1	1	1	5	0	1	1	1	5	2
17:00	167	5	0	172	172	172	172	175	174	5	5	5	5	8	7	2.9%	2.9%	2.9%	2.9%	4.6%	4.0%	0	0	0	0	0	3	0	0	0	0	0	3
18:00	127	3	0	130	130	130	130	130	132	3	3	3	3	3	5	2.3%	2.3%	2.3%	2.3%	2.3%	3.8%	0	0	0	0	0	2	0	0	0	0	0	2
19:00	85	2	0	87	87	87	87	87	89	2	2	2	2	2	4	2.3%	2.3%	2.3%	2.3%	2.3%	4.5%	0	0	0	0	0	2	0	0	0	0	0	2
20:00	67	3	0	70	70	70	70	70	72	3	3	3	3	3	5	4.3%	4.3%	4.3%	4.3%	4.3%	6.9%	0	0	0	0	0	2	0	0	0	0	0	2
21:00	64	1	0	65	65	65	65	65	67	1	1	1	1	1	3	1.5%	1.5%	1.5%	1.5%	1.5%	4.5%	0	0	0	0	0	2	0	0	0	0	0	2
22:00	51	2	0	53	53	53	53	53	55	2	2	2	2	2	4	3.8%	3.8%	3.8%	3.8%	3.8%	7.3%	0	0	0	0	0	2	0	0	0	0	0	2
23:00	32	1	0	33	33	33	33	33	35	1	1	1	1	1	3	3.0%	3.0%	3.0%	3.0%	3.0%	8.6%	0	0	0	0	0	2	0	0	0	0	0	2
Daily	2301	91	6	2398	2498	2465	2477	2450	2470	97	197	164	176	149	169	4.0%	7.9%	6.7%	7.1%	6.1%	6.8%	0	100	67	79	52	72	0	100	67	79	52	72
% CT of HV																0.0%	50.8%	40.9%	44.9%	34.9%	42.6%												
Day (6am-10pm)	2092	79	4	2175	2265	2236	2246	2227	2227	83	173	144	154	135	135	3.8%	7.6%	6.4%	6.9%	6.1%	6.1%	0	90	61	71	52	52	0	90	61	71	52	52
% CT of HV																0.0%	52.0%	42.4%	46.1%	38.5%	38.5%												
Night (10pm-7am)	209	12	2	223	233	229	231	223	243	14	24	20	22	14	34	6.3%	10.3%	8.7%	9.5%	6.3%	14.0%	0	10	6	8	0	20	0	10	6	8	0	20
% CT of HV																0.0%	41.7%	30.0%	36.4%	0.0%	58.8%												

2009 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

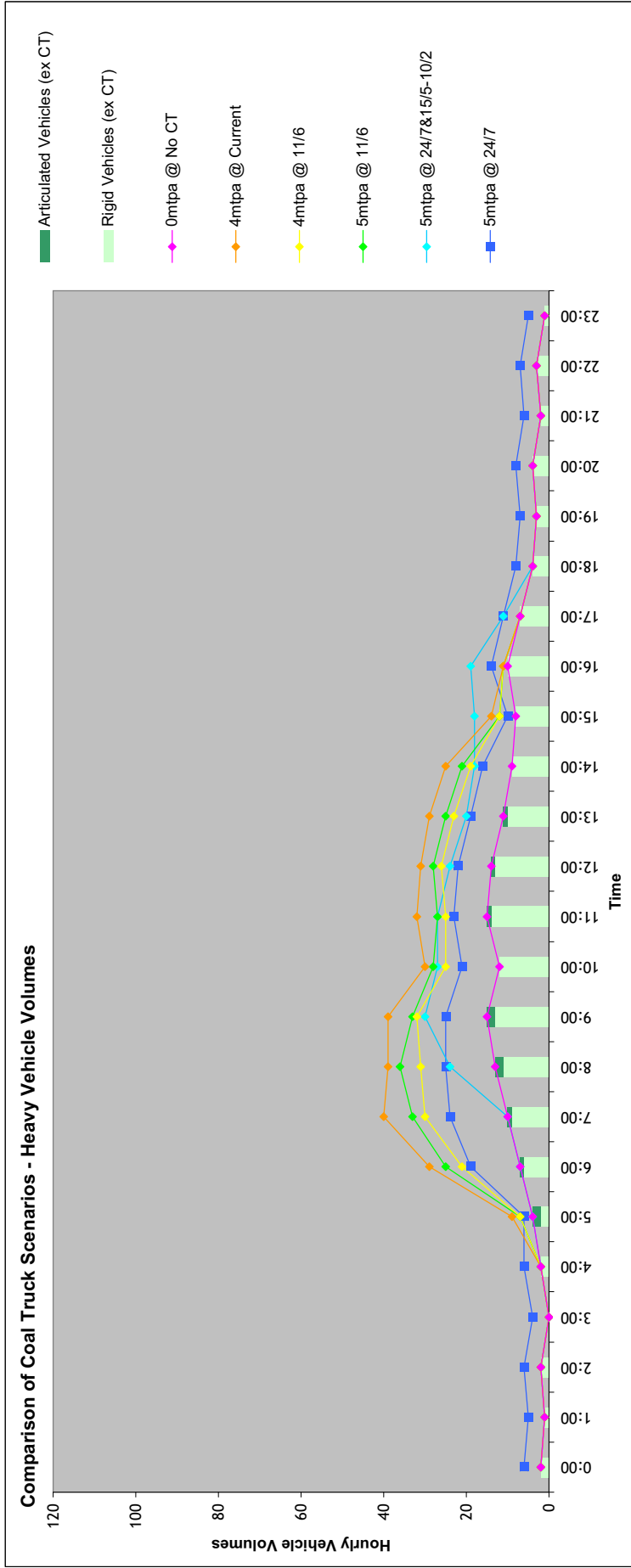
Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic-CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

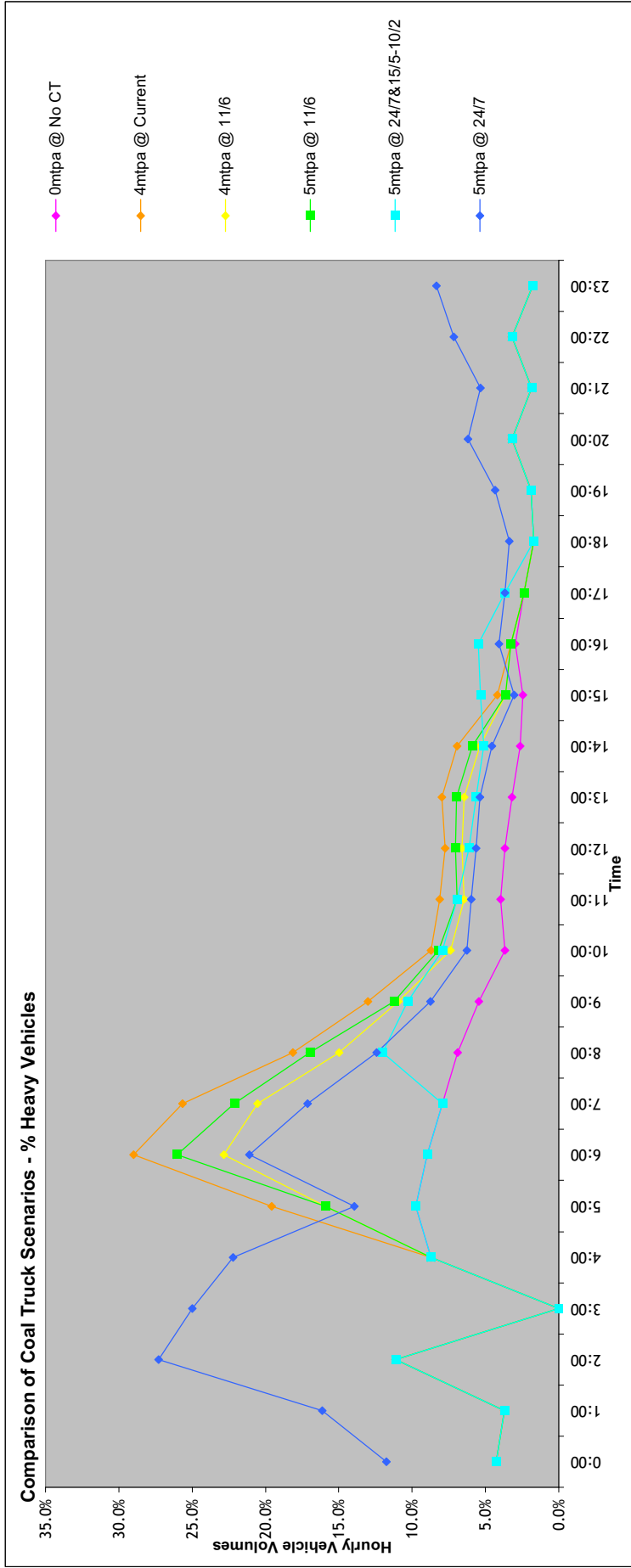
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic+CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

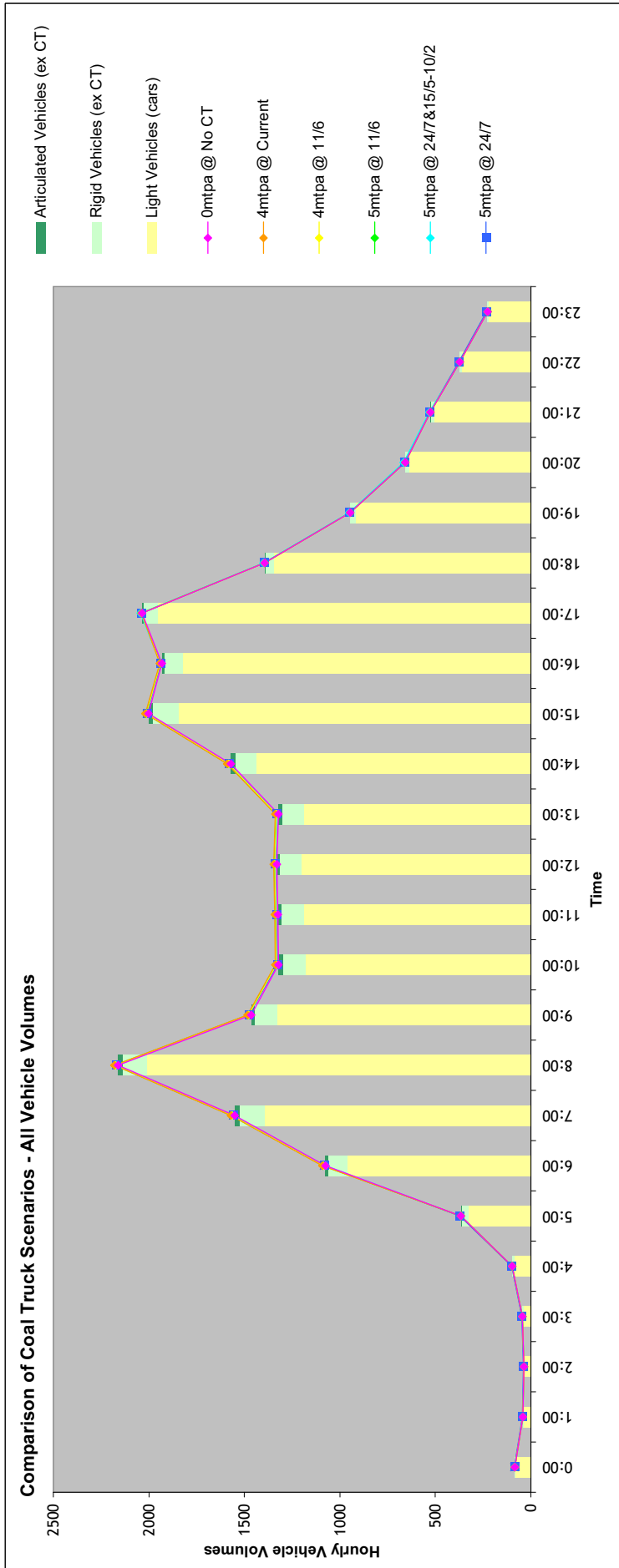
Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid-artic-CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

Direction		2009 Average Weekday 8. Northern Distributor, Wollongong between Railway Street and Bellambi Lane																													
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
Time	Direction	Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I	A	Bx	B	C	F	I
		10835	964	127	5	0	132	132	11921	12021	11989	12002	11997	11992	1086	1186	1154	1167	1162	1157	9.1%	9.9%	9.6%	9.7%	9.7%	9.6%	0	100	68	81	76
0:00		44	1	0	45	45	47	47	45	45	45	45	47	1	1	1	1	1	3	2.2%	2.2%	2.2%	2.2%	2.2%	6.4%	0	0	0	0	2	
1:00		21	1	0	22	22	22	22	22	22	22	22	24	1	1	1	1	1	3	4.5%	4.5%	4.5%	4.5%	4.5%	12.5%	0	0	0	0	2	
2:00		14	1	0	15	15	15	15	15	15	15	17	1	1	1	1	1	3	6.7%	6.7%	6.7%	6.7%	6.7%	17.6%	0	0	0	0	2		
3:00		21	3	0	24	24	24	24	24	24	24	26	3	3	3	3	3	5	12.5%	12.5%	12.5%	12.5%	12.5%	19.2%	0	0	0	0	2		
4:00		49	7	0	56	56	56	56	56	56	56	58	7	7	7	7	7	9	12.5%	12.5%	12.5%	12.5%	12.5%	15.5%	0	0	0	0	2		
5:00		150	21	3	174	174	174	174	174	174	174	176	24	24	24	24	24	26	13.8%	13.8%	13.8%	13.8%	13.8%	14.8%	0	0	0	0	2		
6:00		427	68	9	504	510	508	504	508	504	507	507	77	83	81	81	81	77	80	15.3%	16.3%	15.9%	15.9%	15.3%	15.8%	0	6	4	4	3	
7:00		475	83	14	572	582	580	581	576	577	577	577	97	107	105	106	101	102	17.0%	18.4%	18.1%	18.2%	17.5%	17.7%	0	10	8	9	4		
8:00		676	79	13	768	778	775	776	774	772	772	772	92	102	99	100	98	96	12.0%	13.1%	12.8%	12.9%	12.7%	12.4%	0	10	7	8	4		
9:00		514	72	10	596	606	602	604	603	601	601	603	80	82	88	88	89	87	13.8%	15.2%	14.6%	14.9%	14.8%	14.5%	0	10	6	8	4		
10:00		509	69	15	593	602	599	601	599	597	597	599	84	93	90	92	90	88	14.2%	15.4%	15.0%	15.3%	15.0%	14.7%	0	9	6	8	4		
11:00		557	69	9	635	644	641	642	641	639	639	641	78	87	84	85	84	82	12.3%	13.5%	13.1%	13.2%	13.1%	12.8%	0	9	6	7	4		
12:00		582	62	8	652	661	658	659	658	656	656	658	70	79	76	77	76	74	10.7%	12.0%	11.6%	11.7%	11.6%	11.3%	0	9	6	7	4		
13:00		594	65	9	668	676	674	675	673	672	672	674	74	82	80	81	79	78	11.1%	12.1%	11.9%	12.0%	11.7%	11.6%	0	8	6	7	4		
14:00		782	68	12	862	872	868	869	868	866	866	868	80	90	86	87	86	84	9.3%	10.3%	9.9%	10.0%	9.9%	9.7%	0	10	6	7	4		
15:00		938	81	9	1028	1037	1034	1036	1034	1032	1032	1032	90	99	96	98	96	94	8.8%	9.5%	9.3%	9.5%	9.3%	9.1%	0	9	6	8	4		
16:00		1044	63	5	1112	1119	1117	1117	1117	1116	1116	1116	68	75	73	73	73	72	6.1%	6.7%	6.5%	6.5%	6.5%	6.5%	0	7	5	5	4		
17:00		1198	57	2	1257	1260	1259	1260	1262	1259	1259	1259	59	62	61	62	64	61	4.7%	4.9%	4.8%	4.9%	5.1%	4.8%	0	3	2	3	2		
18:00		742	34	2	778	778	778	778	782	780	780	782	36	36	36	36	40	38	4.6%	4.6%	4.6%	4.6%	5.1%	4.9%	0	0	0	0	4		
19:00		483	19	1	503	503	503	503	506	505	505	506	20	20	20	20	20	23	4.0%	4.0%	4.0%	4.0%	4.5%	4.4%	0	0	0	0	3		
20:00		379	15	1	395	395	395	395	398	397	397	398	16	16	16	16	19	18	4.1%	4.1%	4.1%	4.1%	4.8%	4.5%	0	0	0	0	3		
21:00		308	13	0	321	321	321	321	325	323	323	323	13	13	13	13	17	15	4.0%	4.0%	4.0%	4.0%	5.2%	4.6%	0	0	0	0	4		
22:00		201	8	0	209	209	209	209	209	209	211	209	8	8	8	8	8	10	3.8%	3.8%	3.8%	3.8%	3.8%	4.7%	0	0	0	0	2		
23:00		127	5	0	132	132	132	132	132	132	134	134	5	5	5	5	5	7	3.8%	3.8%	3.8%	3.8%	3.8%	5.2%	0	0	0	0	2		
Daily		10835	964	122	11921	12021	11989	12002	11997	11992	1086	1186	1154	1167	1162	1157	9.1%	9.9%	9.6%	9.7%	9.7%	9.6%	0	100	68	81	76	71			
% CT of HV																				0.0%	8.4%	5.9%	6.9%	6.1%							
Day (6am-10pm)		9781	849	110	10740	10834	10804	10817	10816	10792	959	1053	1023	1036	1035	1011	8.9%	9.7%	9.5%	9.6%	9.6%	9.4%	0	94	64	77	76	52			
% CT of HV																				0.0%	8.9%	6.3%	7.4%	7.3%	5.1%						
Night (10pm-7am)		1054	115	12	1181	1187	1185	1185	1181	1200	127	133	131	131	127	146	10.8%	11.2%	11.1%	11.1%	10.8%	12.2%	0	6	4	4	0	19			
% CT of HV																				0.0%	4.5%	3.1%	3.1%	0.0%	13.0%						

2009 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

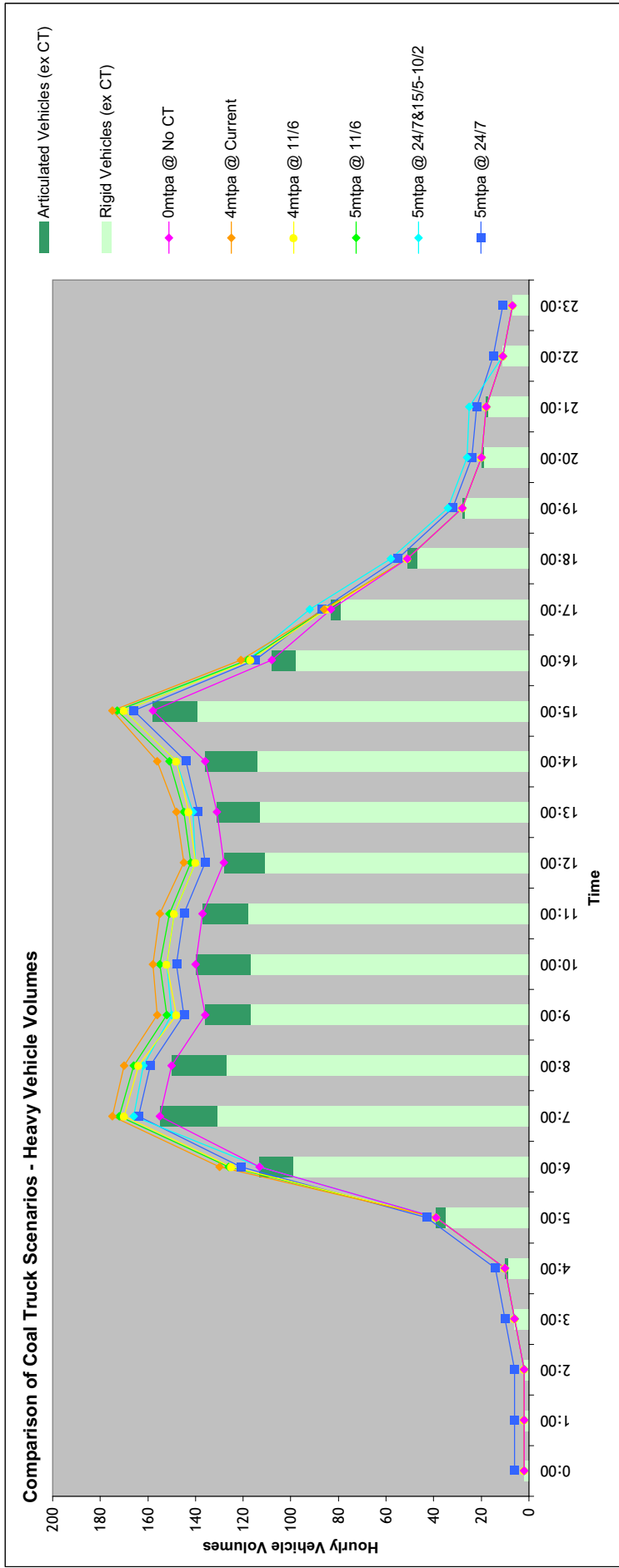
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

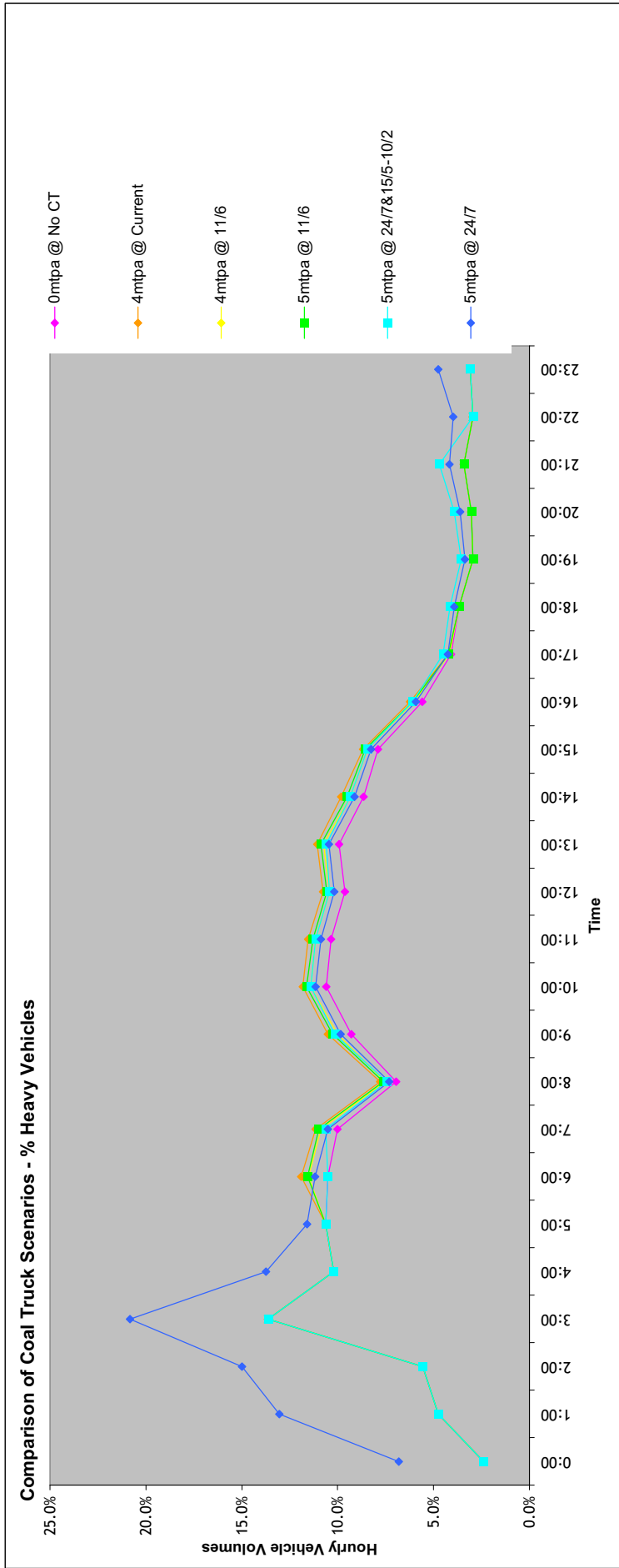
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekday

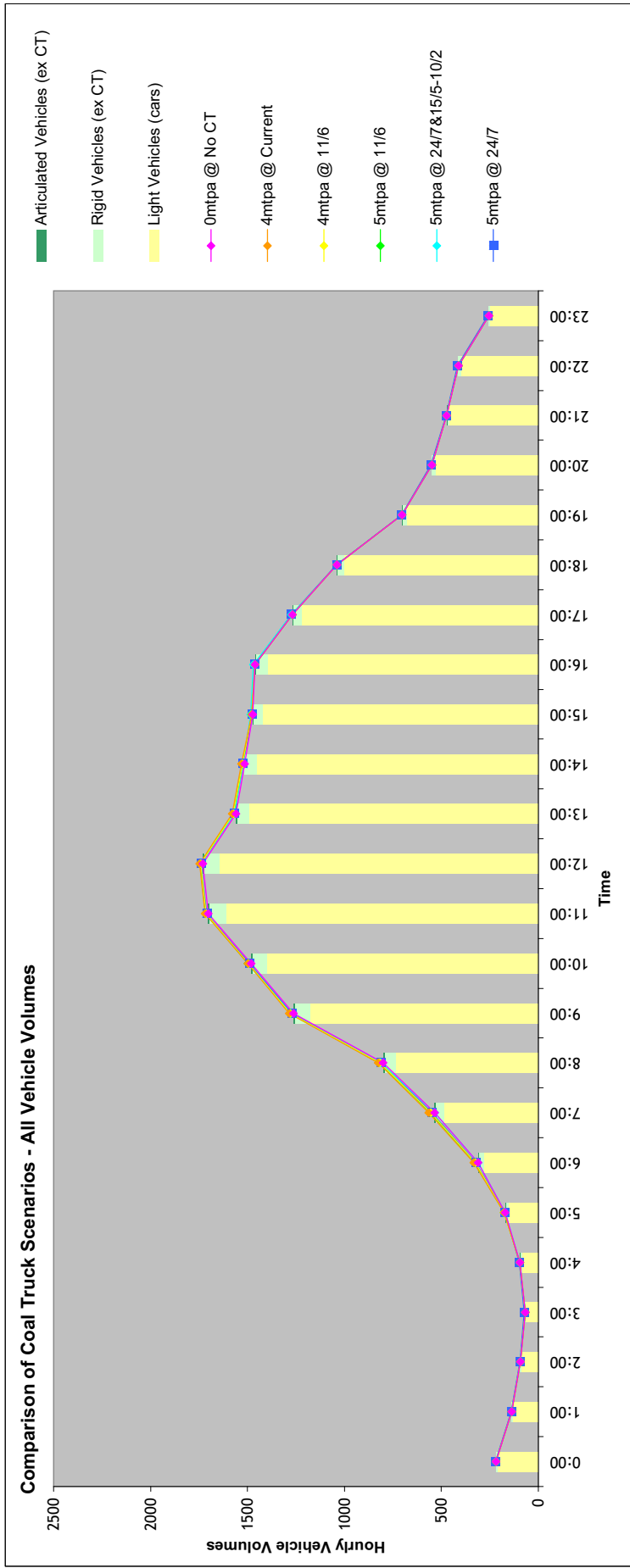
8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid-artic-CT) mtpa = Million tonnes per annum
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/Sun)

2009 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/sun)

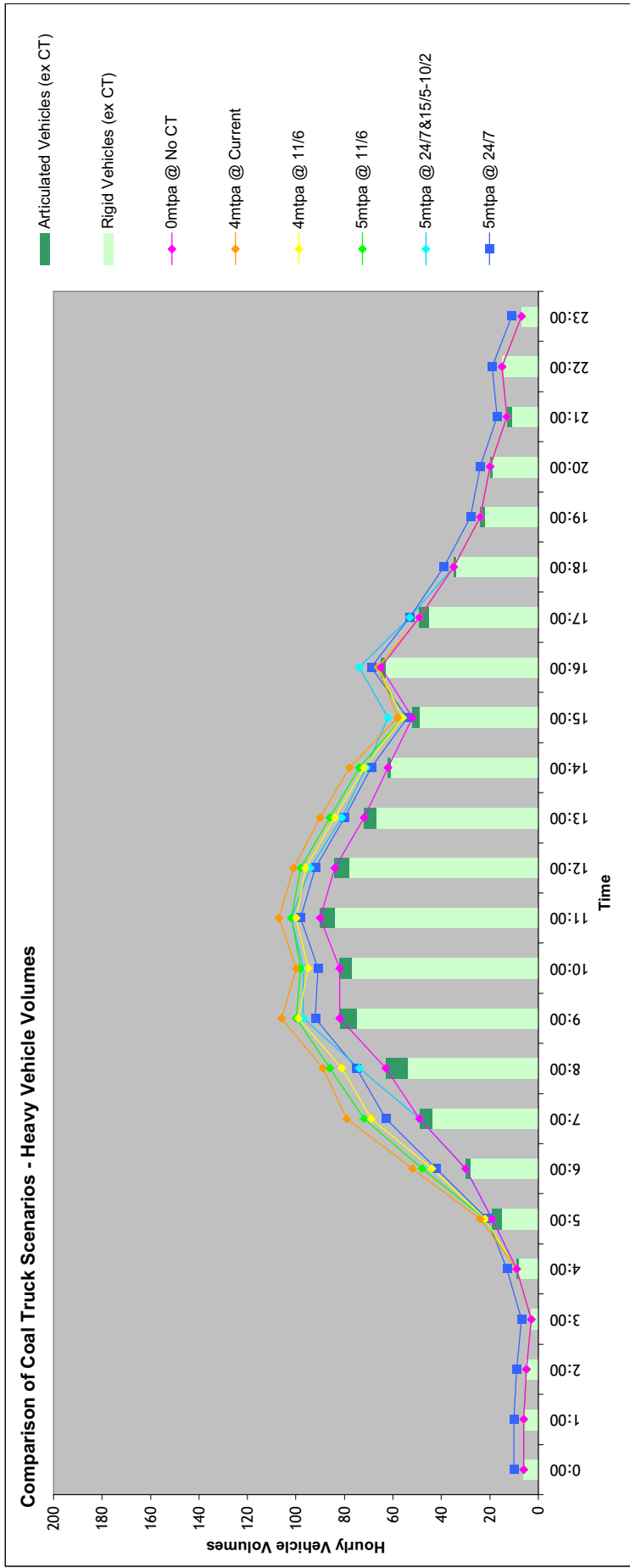
Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

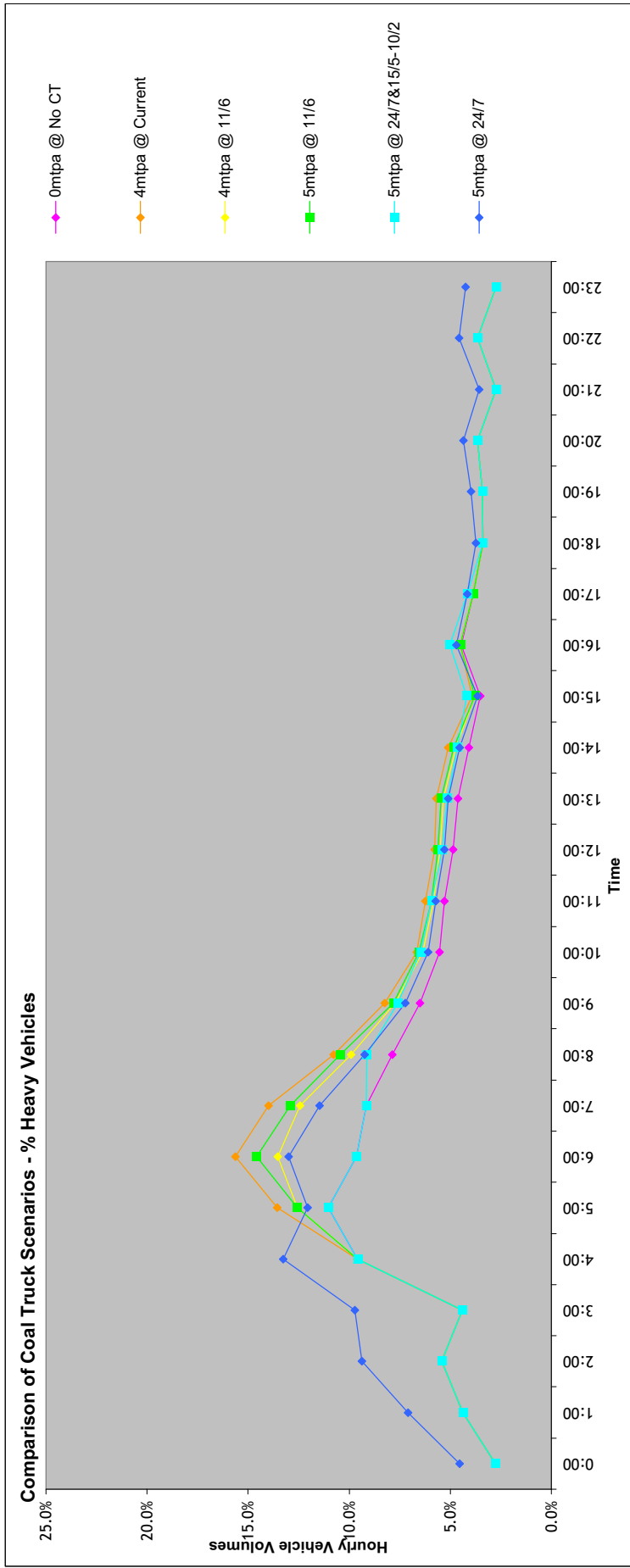
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2009 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT) 11/6 = 11 hours a day/6 days a week Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid-artic-CT)
 Light = Light vehicles (cars) 24/7 = 24 hours a day/7 days a week 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 Artic = Articulated Trucks (excluding CT) 15/5 = 15 hours a day/5 days a week (mon-Fri) 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT 10/2 = 10 hours a day/2 days a week (sat/sun)

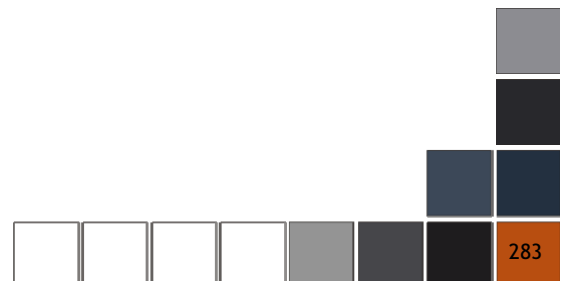


Appendix Y

Traffic Volume

Scenarios

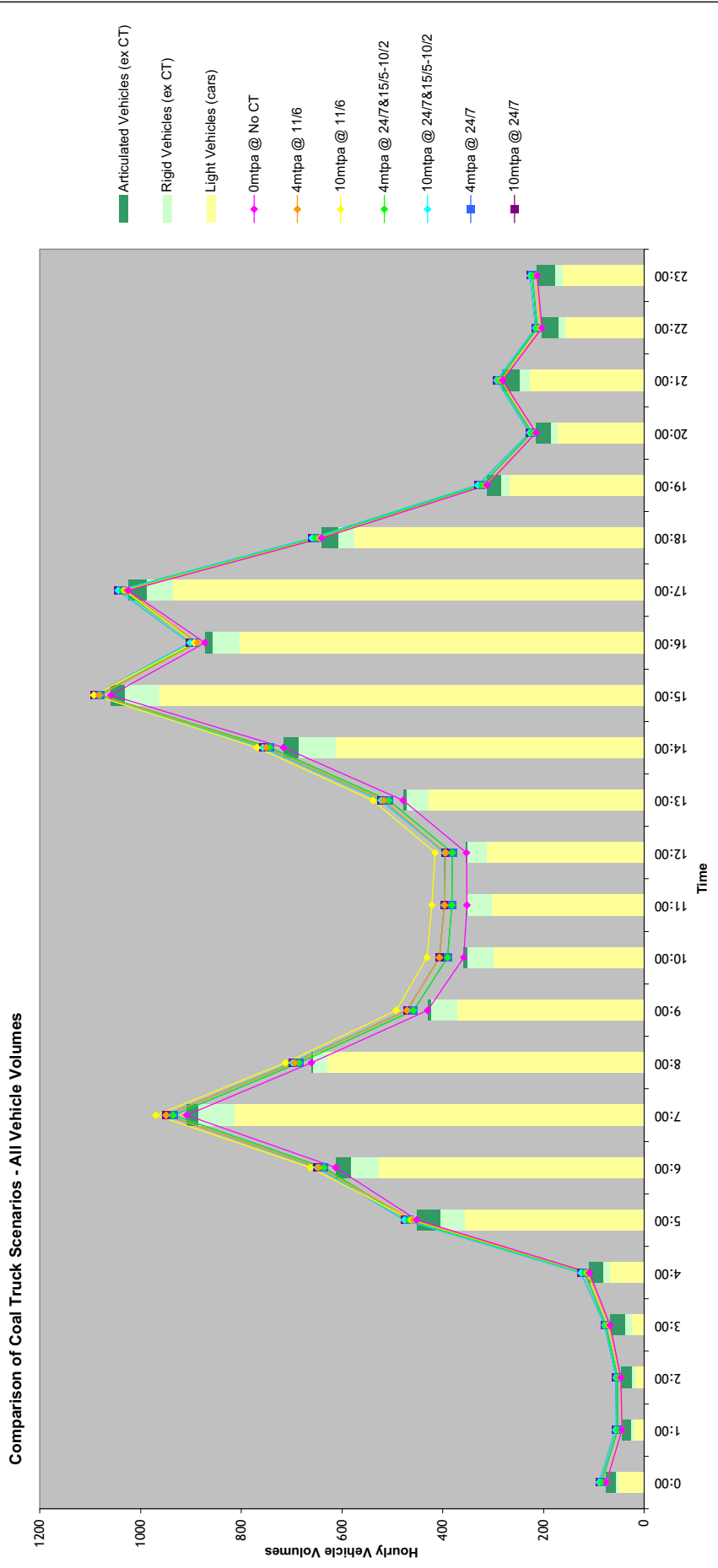
2013



This page intentionally left blank

2013 Average Weekday

1. Appin Road, North of Princes Highway



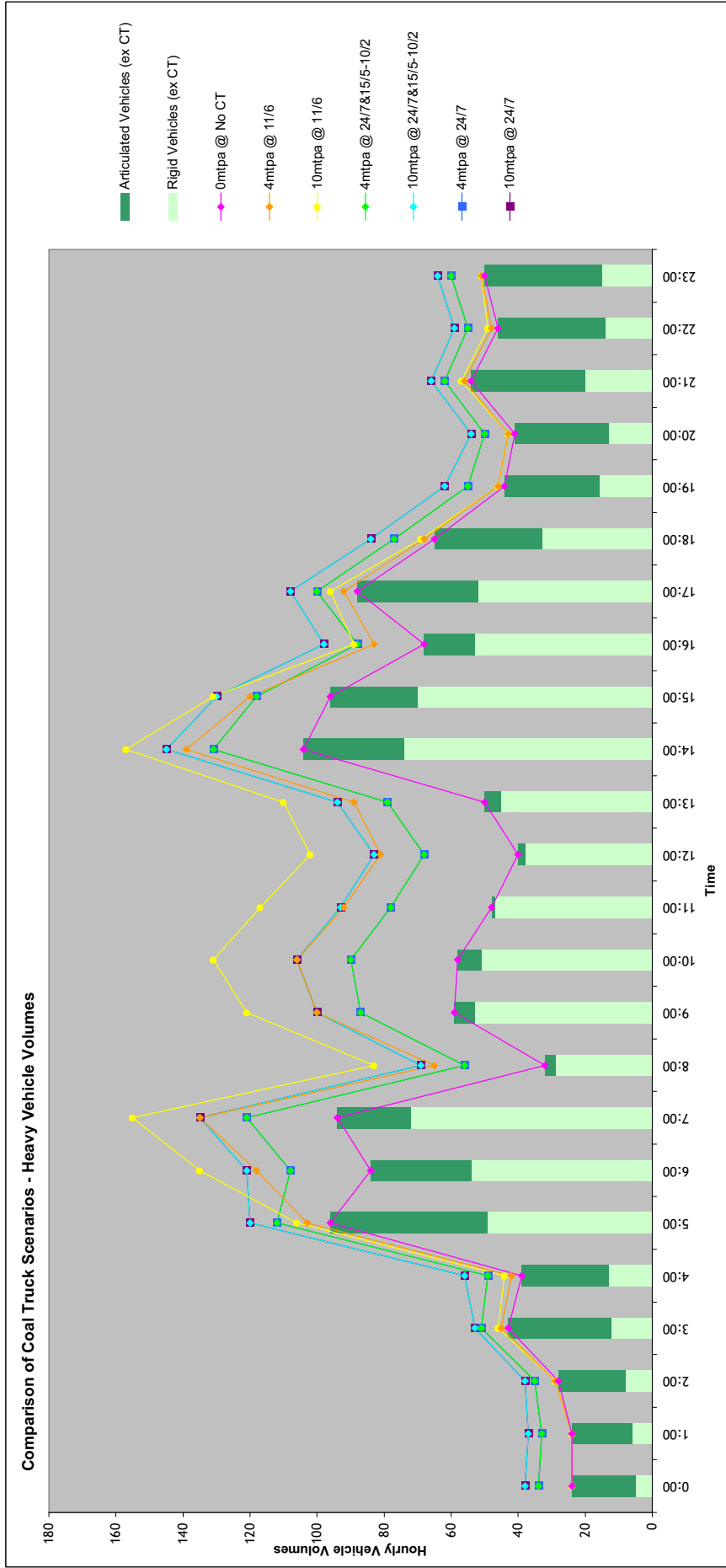
mtpa = Million tonnes per annum

Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcreek Washery/GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid+artic-CT)
- 0mpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2013 Average Weekday

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

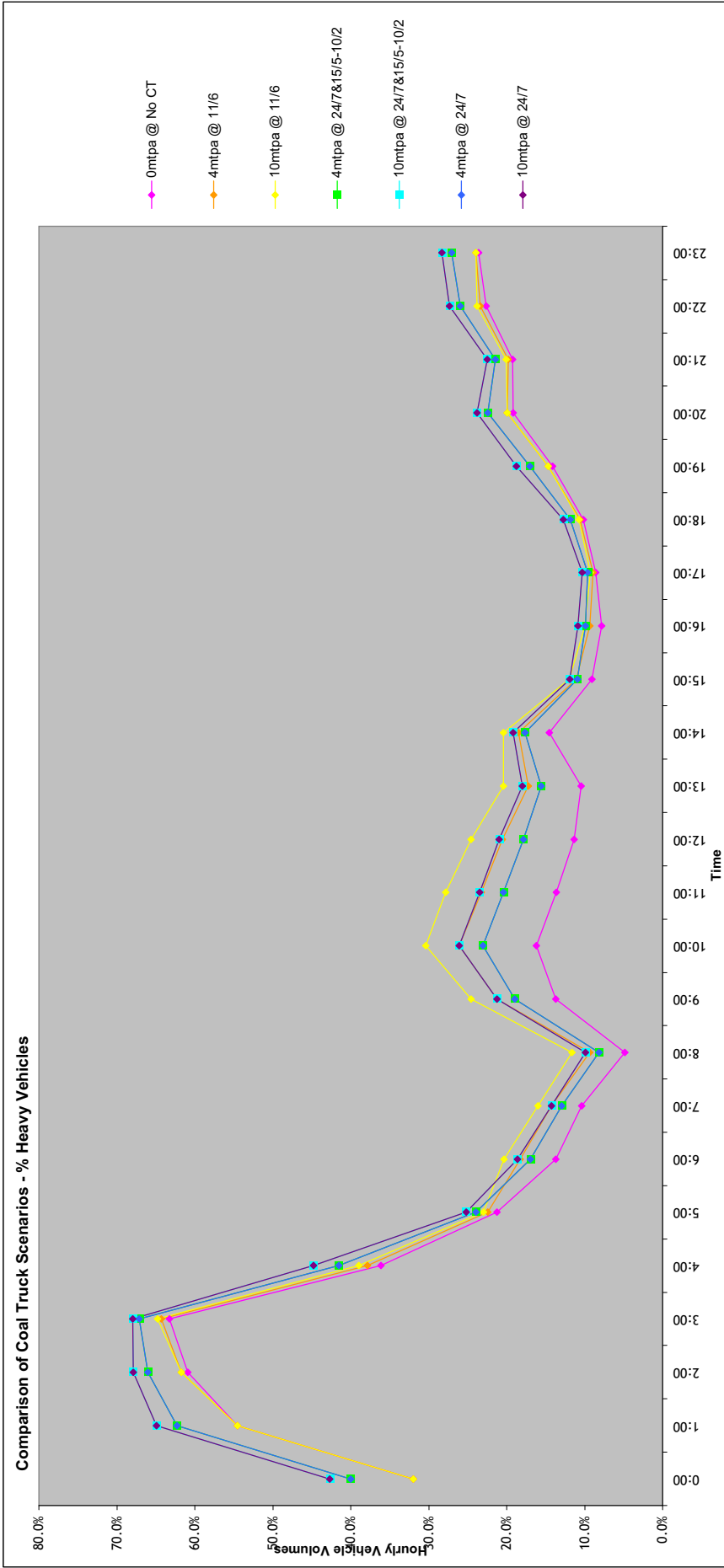
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)

mtpa = Million tonnes per annum

0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

2013 Average Weekday

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff Washery/GNRE & PKCT

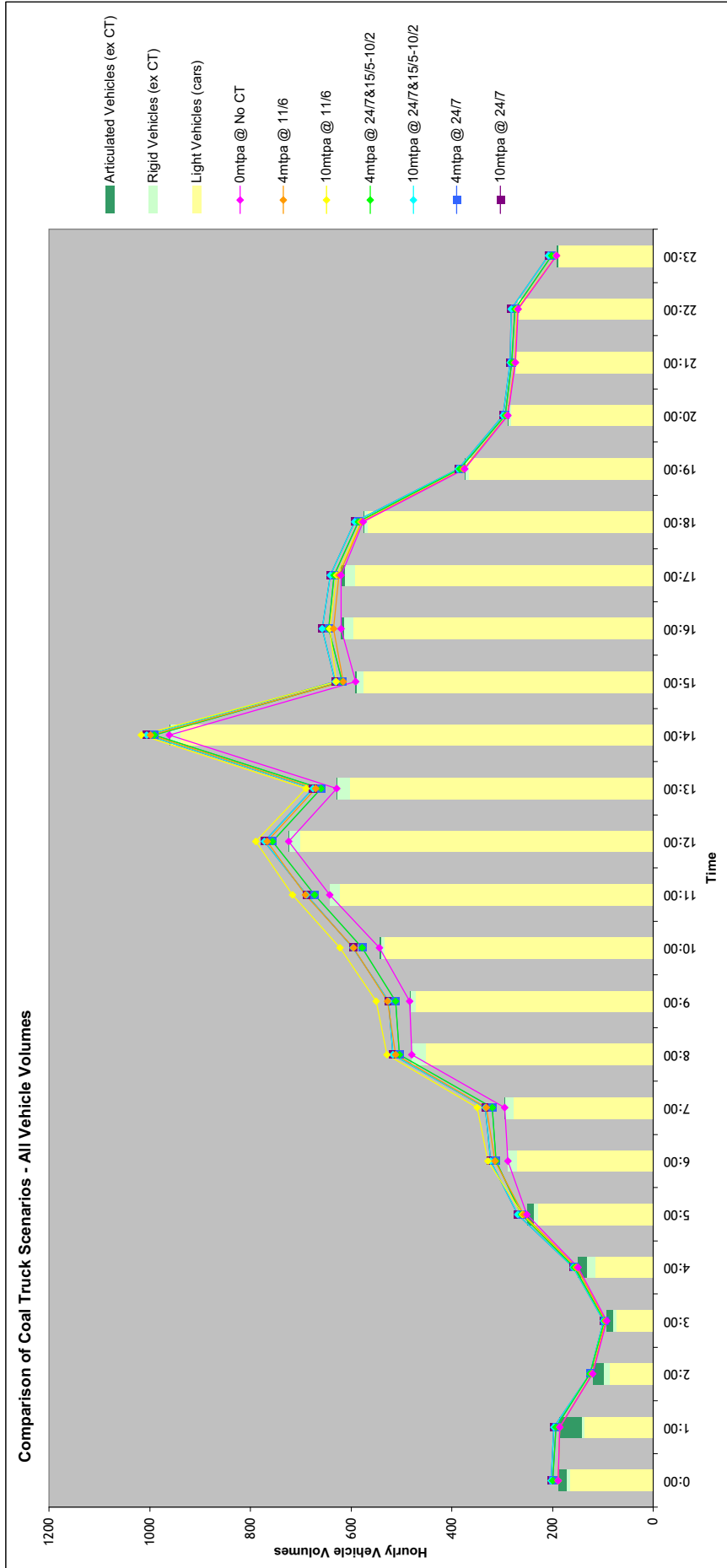
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekend

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

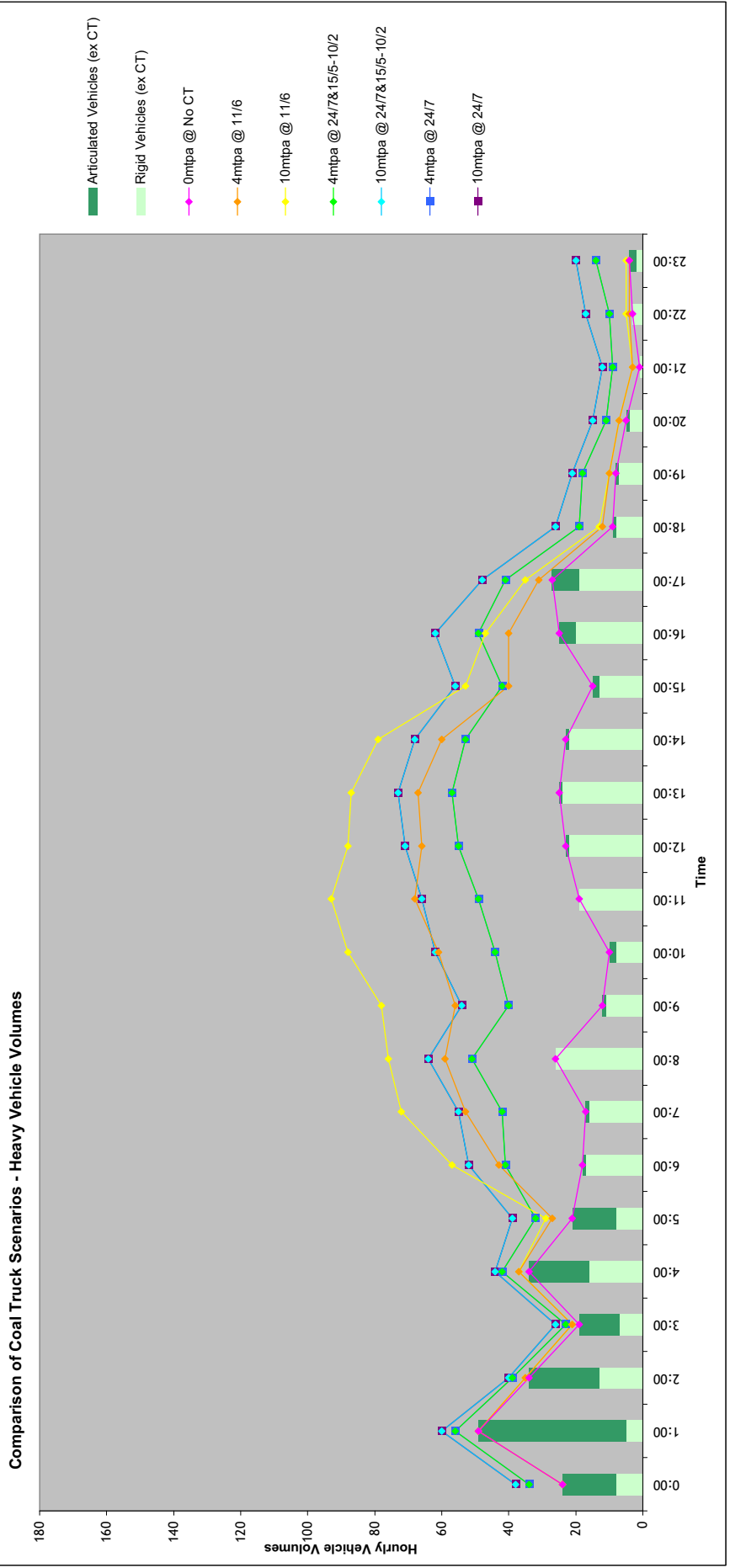
Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid+artic-CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekend

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

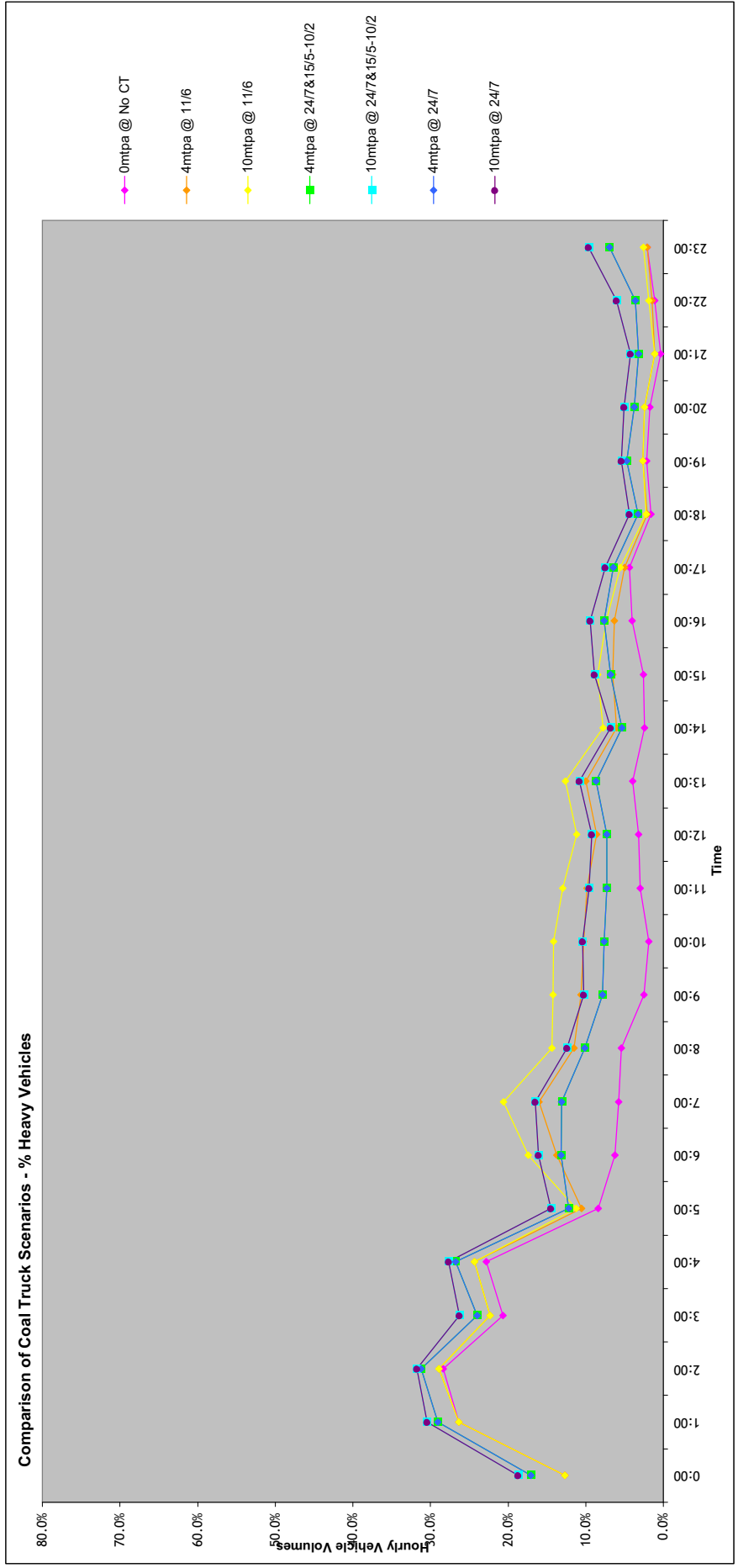
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)

0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

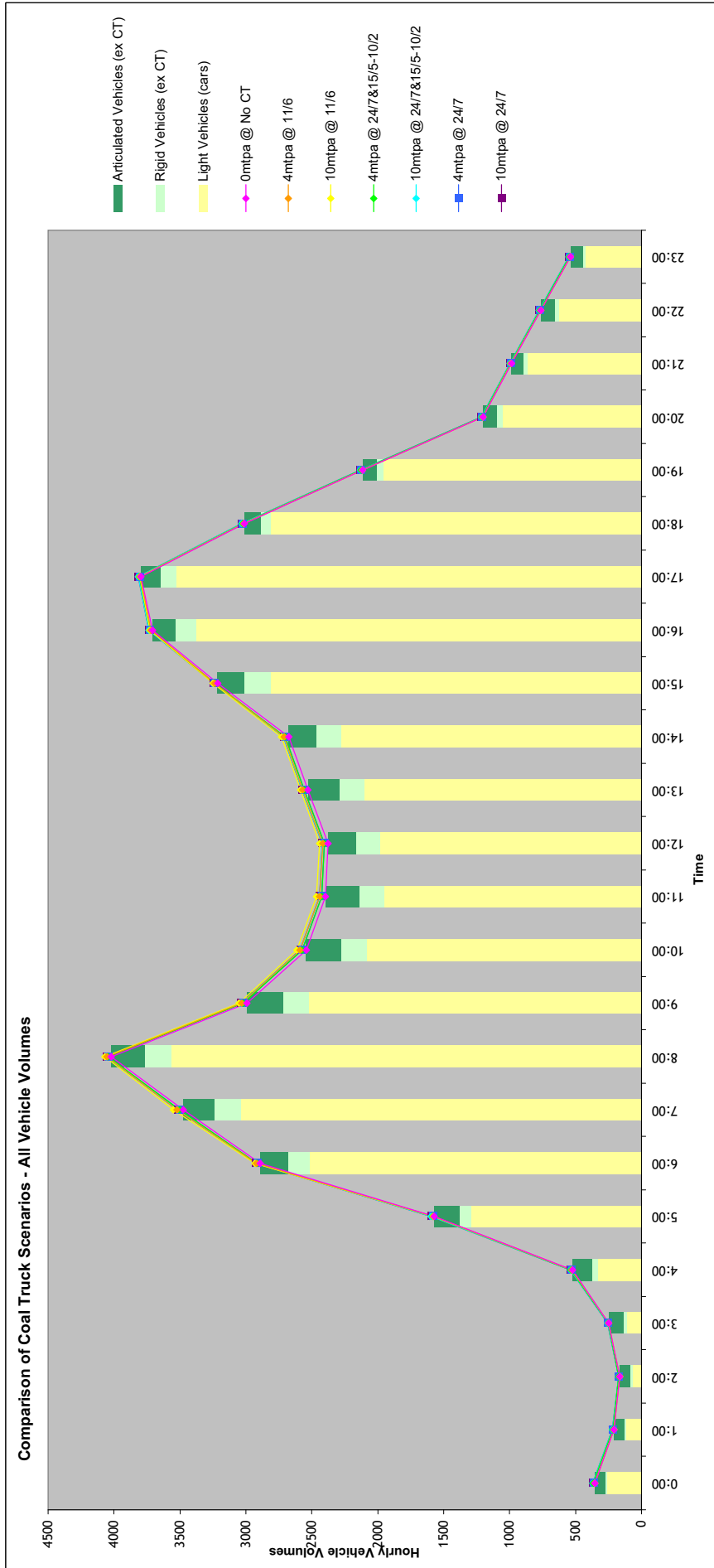
2013 Average Weekend

1. Appin Road, North of Princes Highway



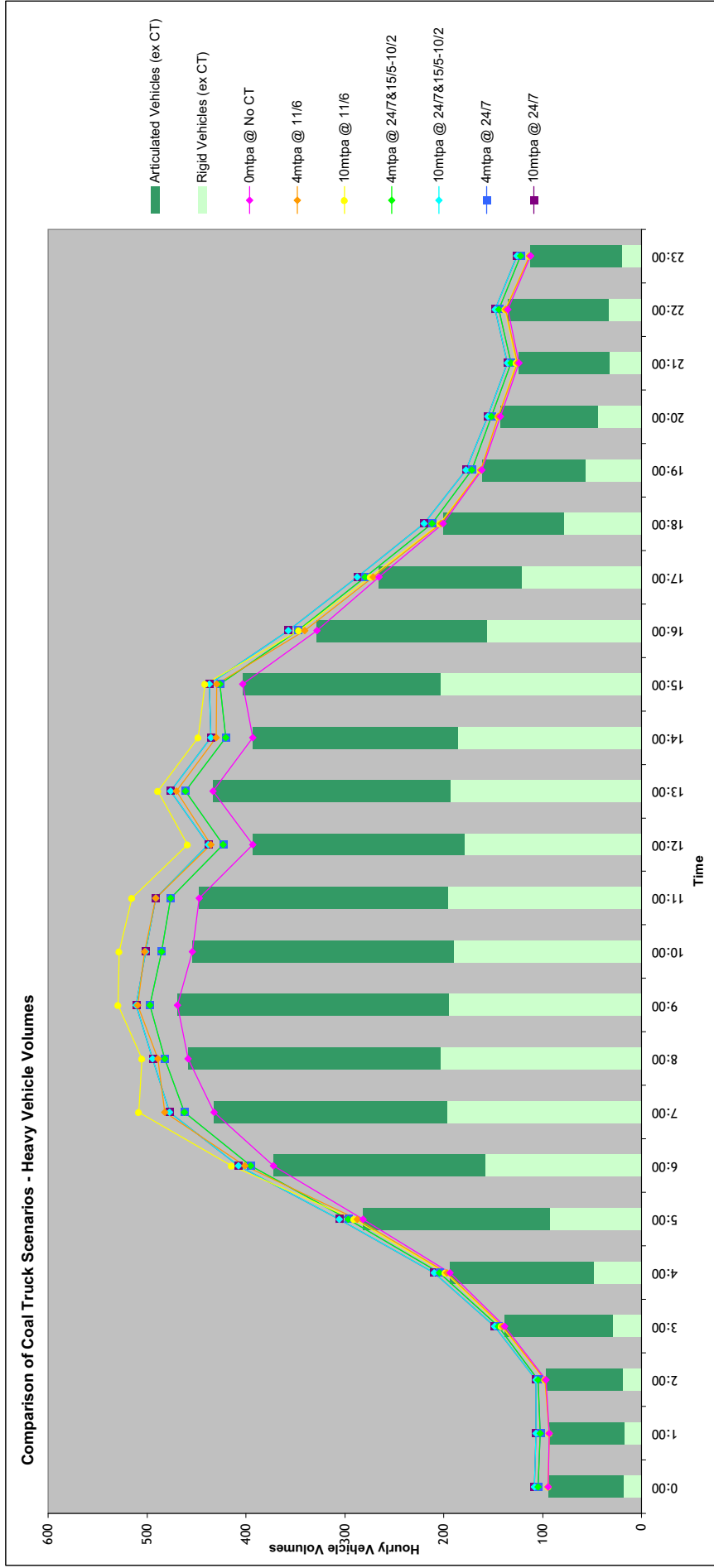
2013 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



2013 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



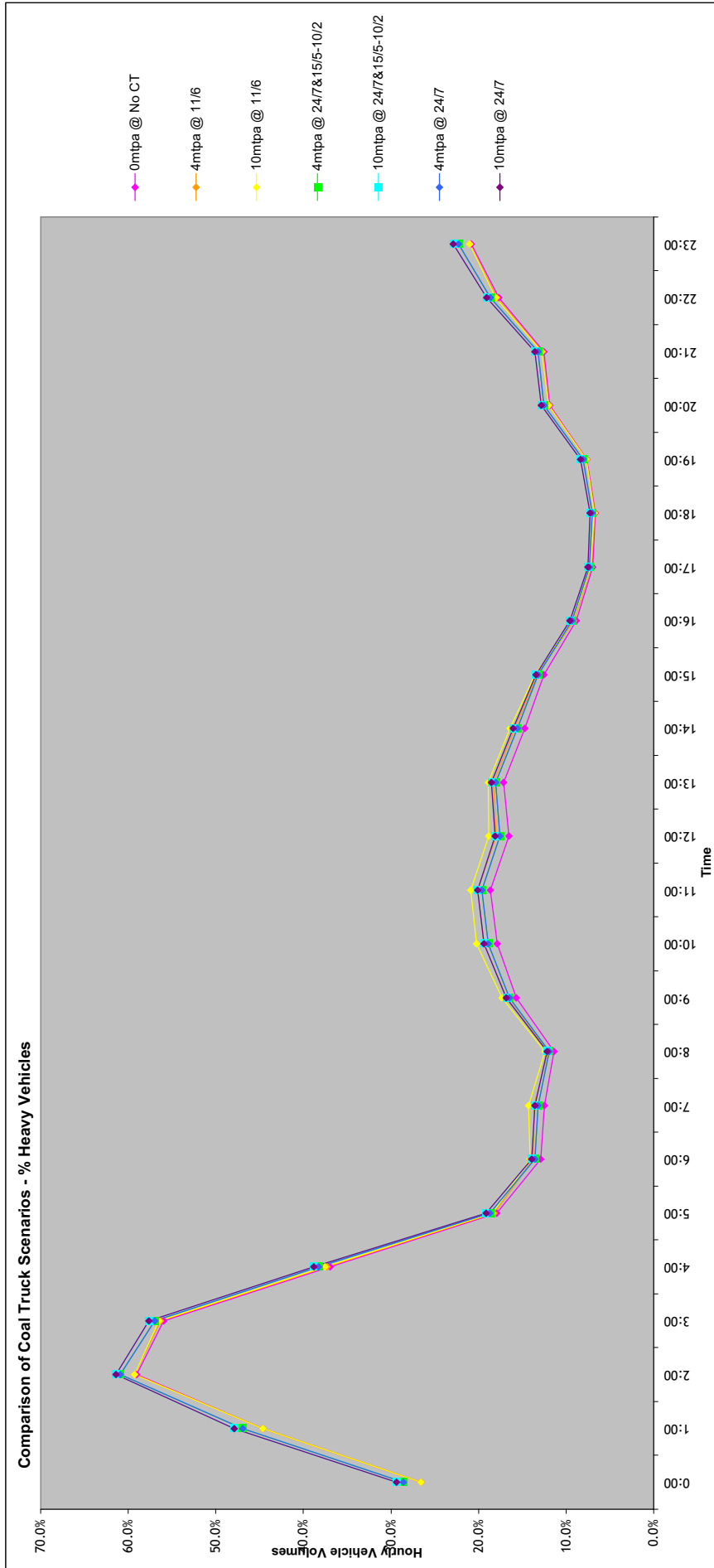
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
- 0 mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4 mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

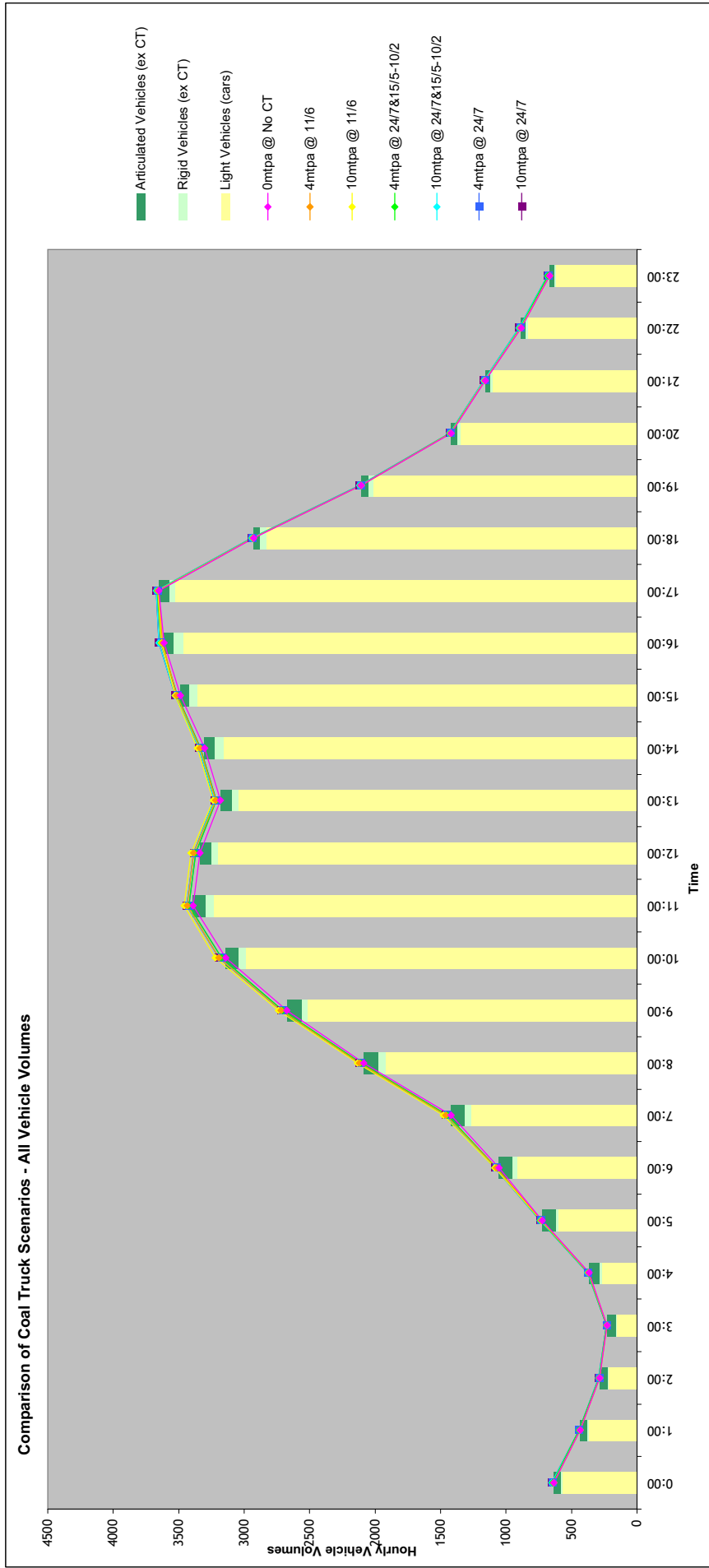
2013 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



2013 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GHEE & PKCT

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)

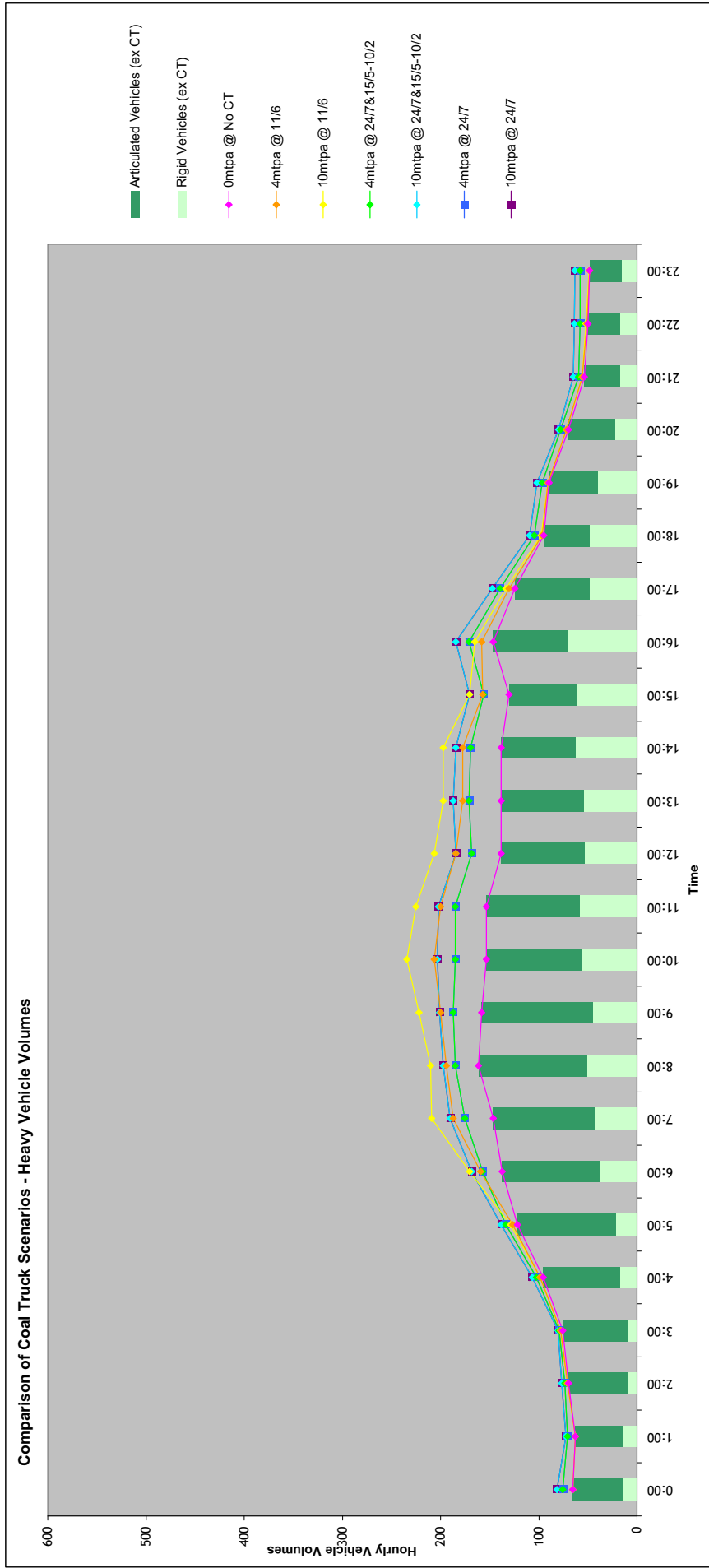
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway

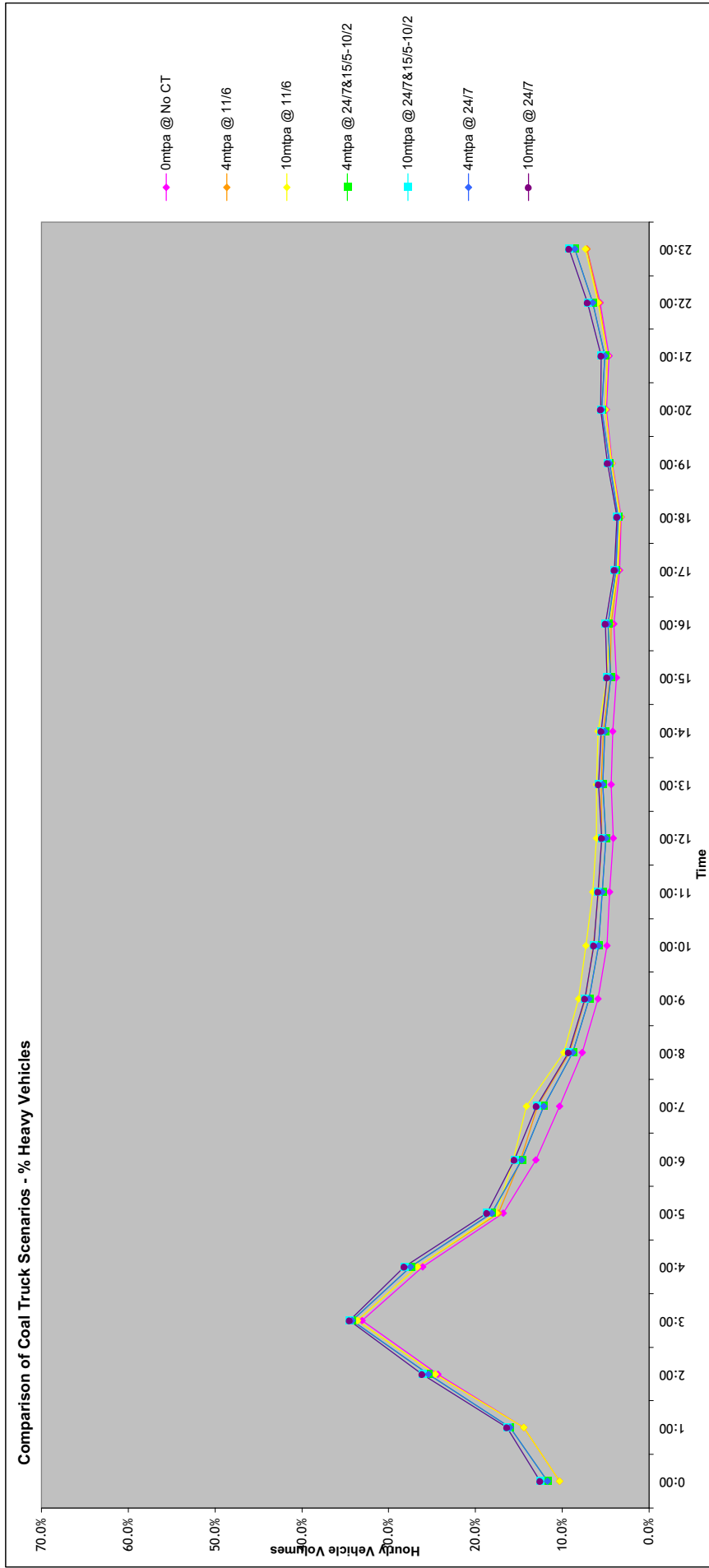


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GHEE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
- 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs
- mtpa = Million tonnes per annum

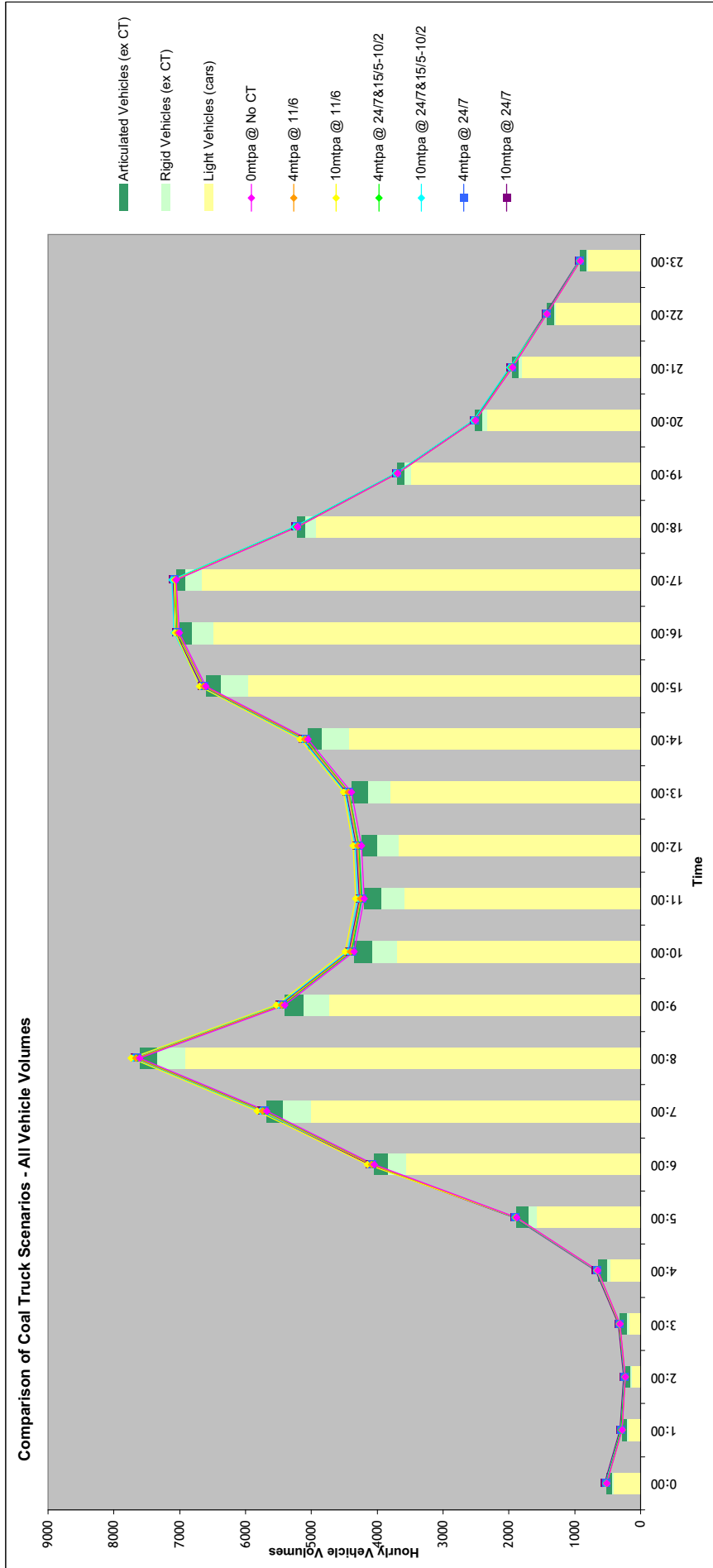
2013 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



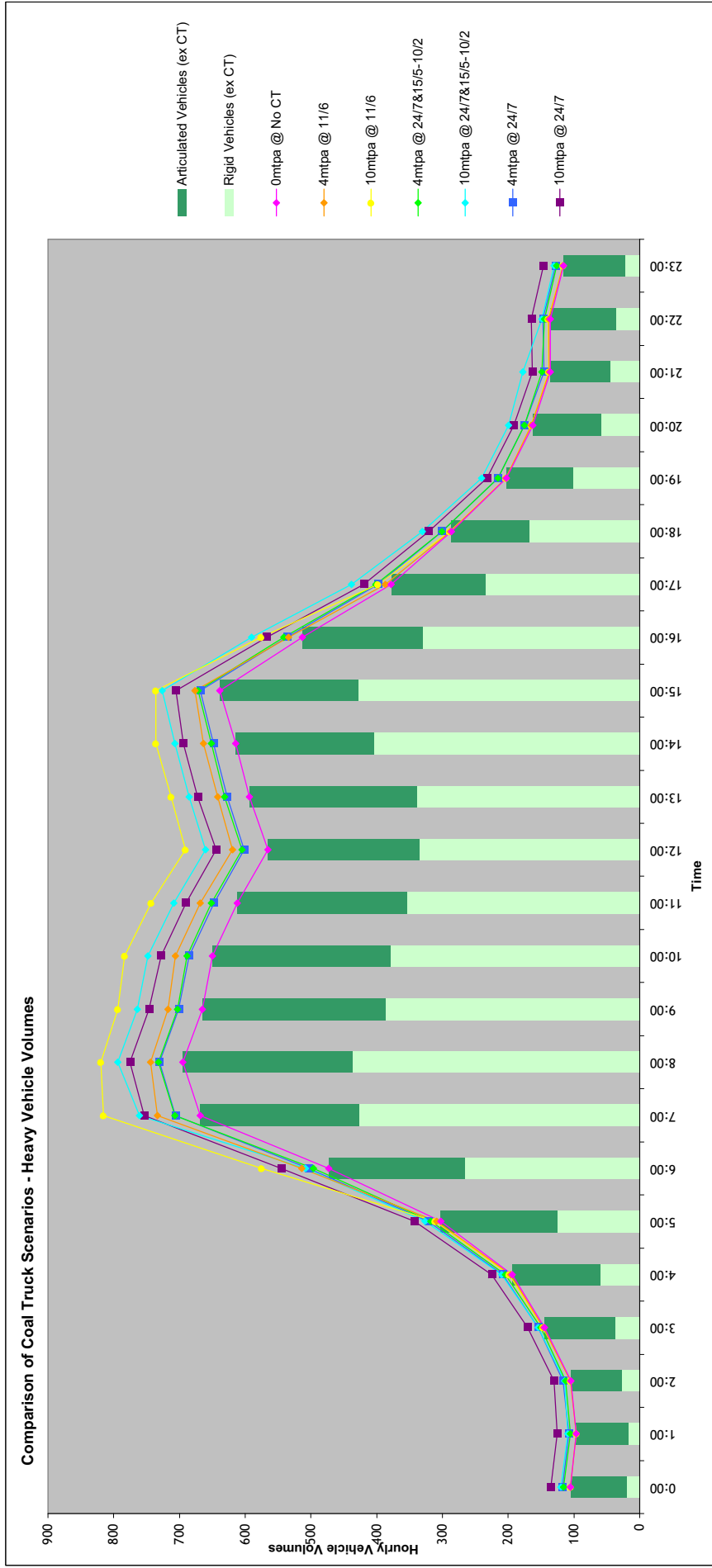
2013 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



2013 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



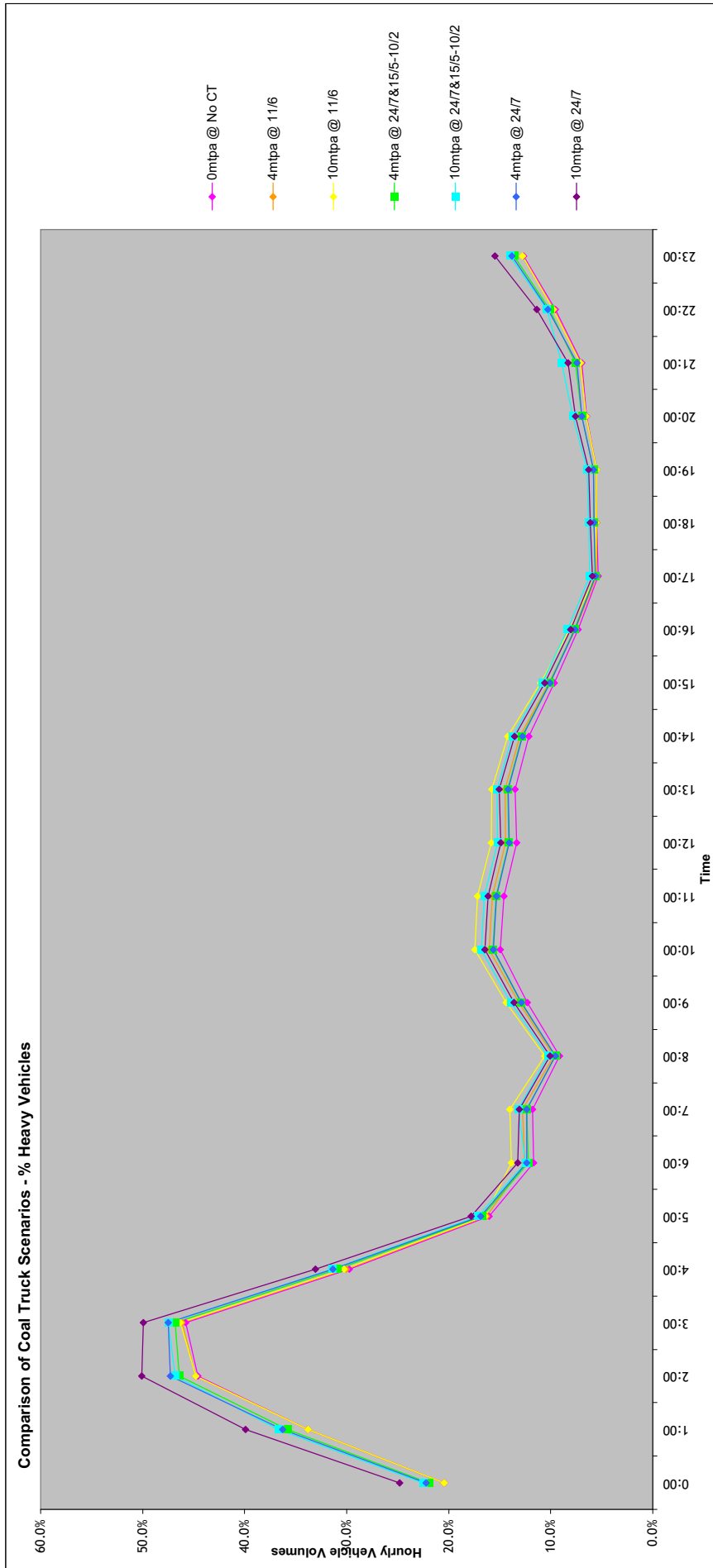
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)
- 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

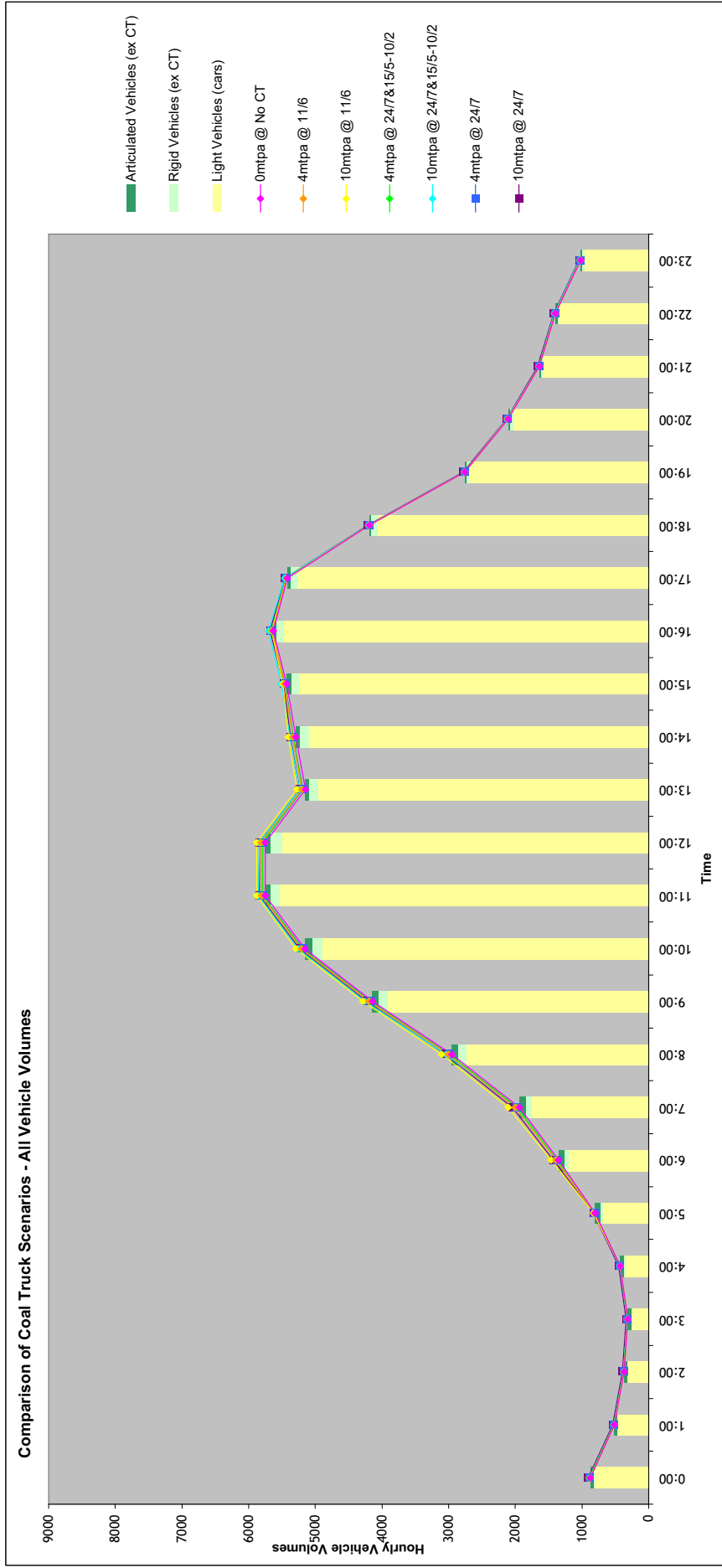
2013 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



2013 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



mtpa = Million tonnes per annum

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)

Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks

4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

11/6 = 11 hours a day/6 days a week

24/7 = 24 hours a day/7 days a week

15/5 = 15 hours a day/5 days a week (mon-Fri)

10/2 = 10 hours a day/2 days a week (sat/Sun)

Notes: Rigid = Rigid Trucks (excluding CT)

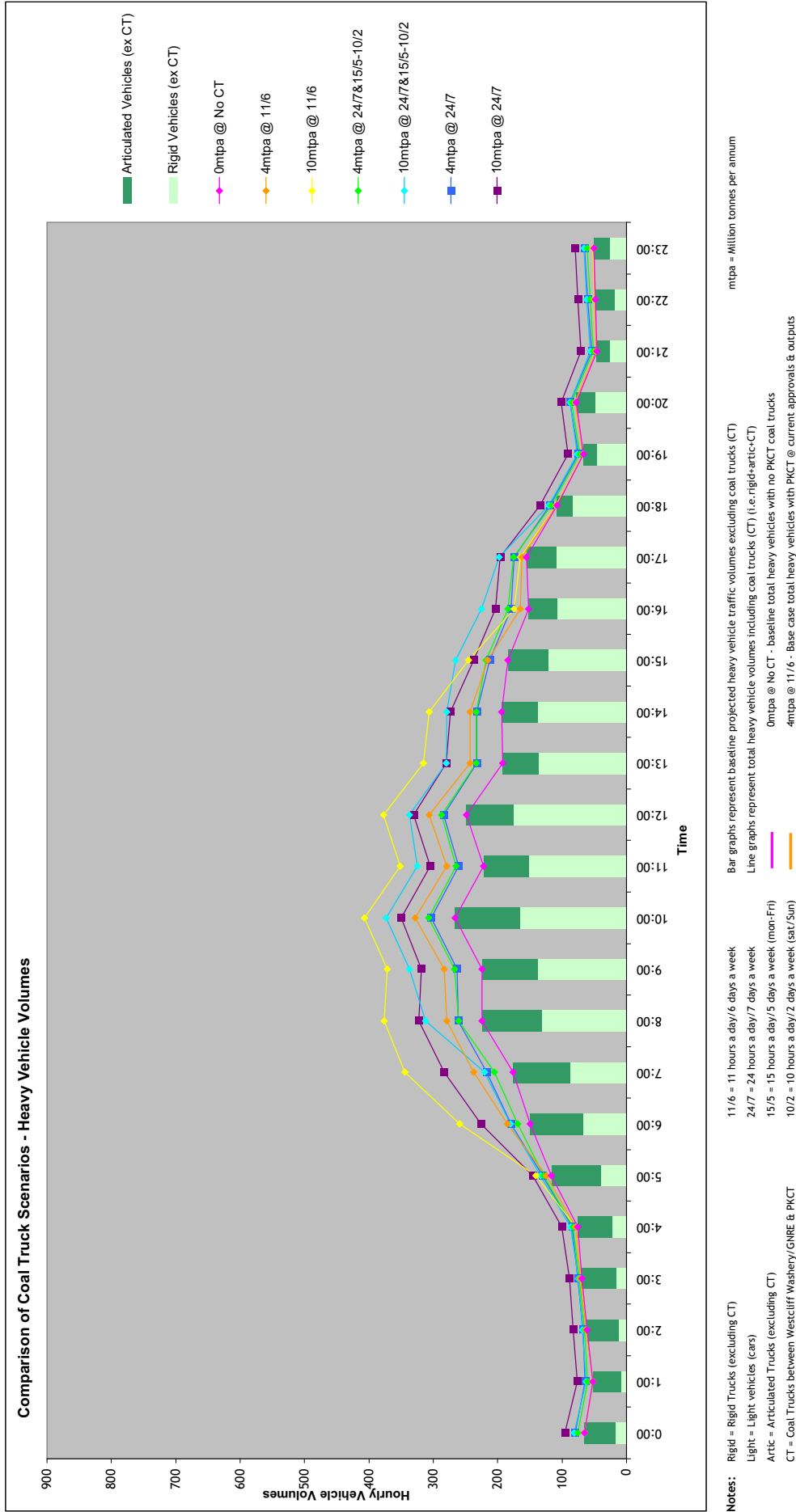
Light = Light vehicles (cars)

Artic = Articulated Trucks (excluding CT)

CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

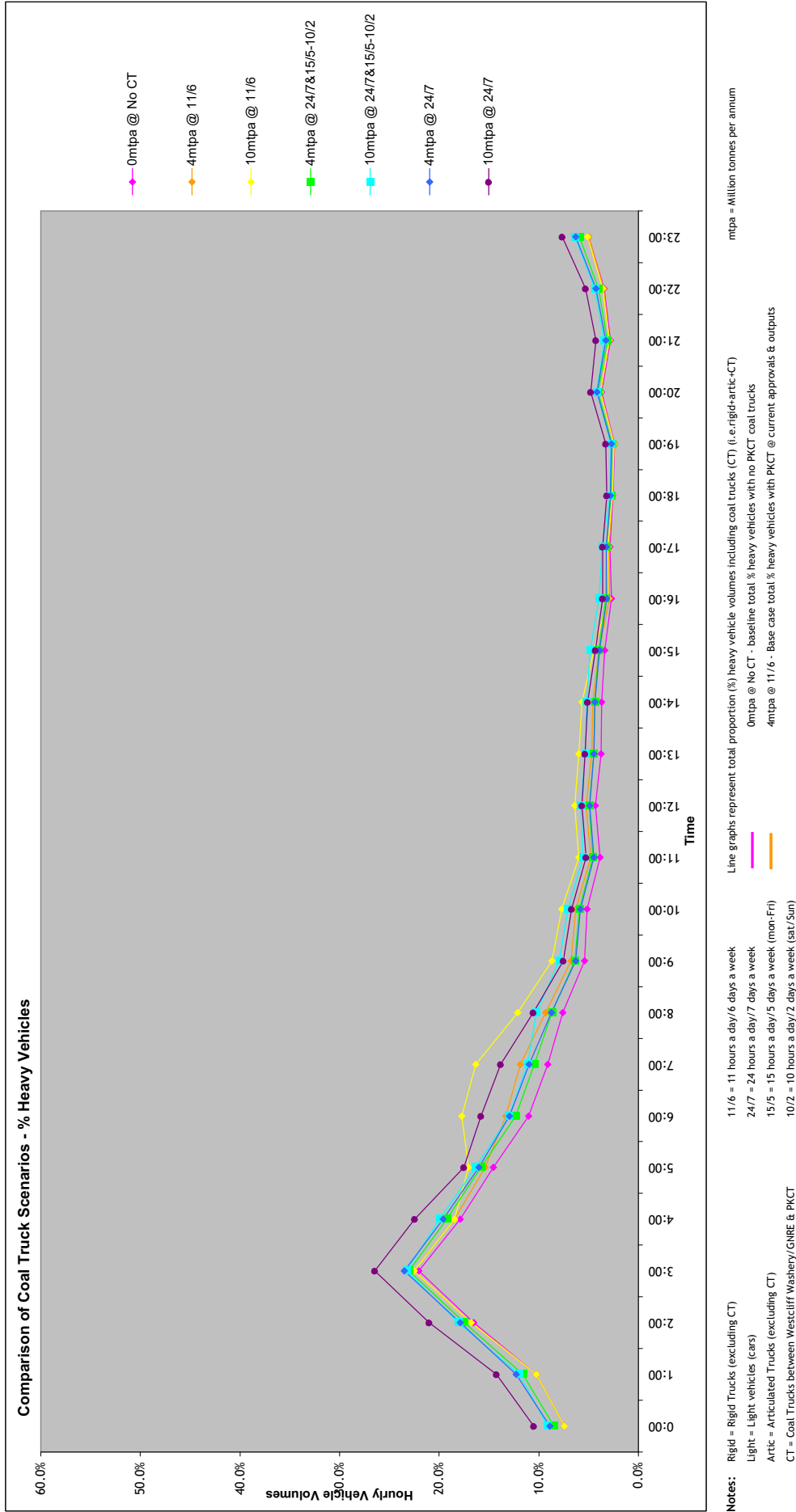
2013 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



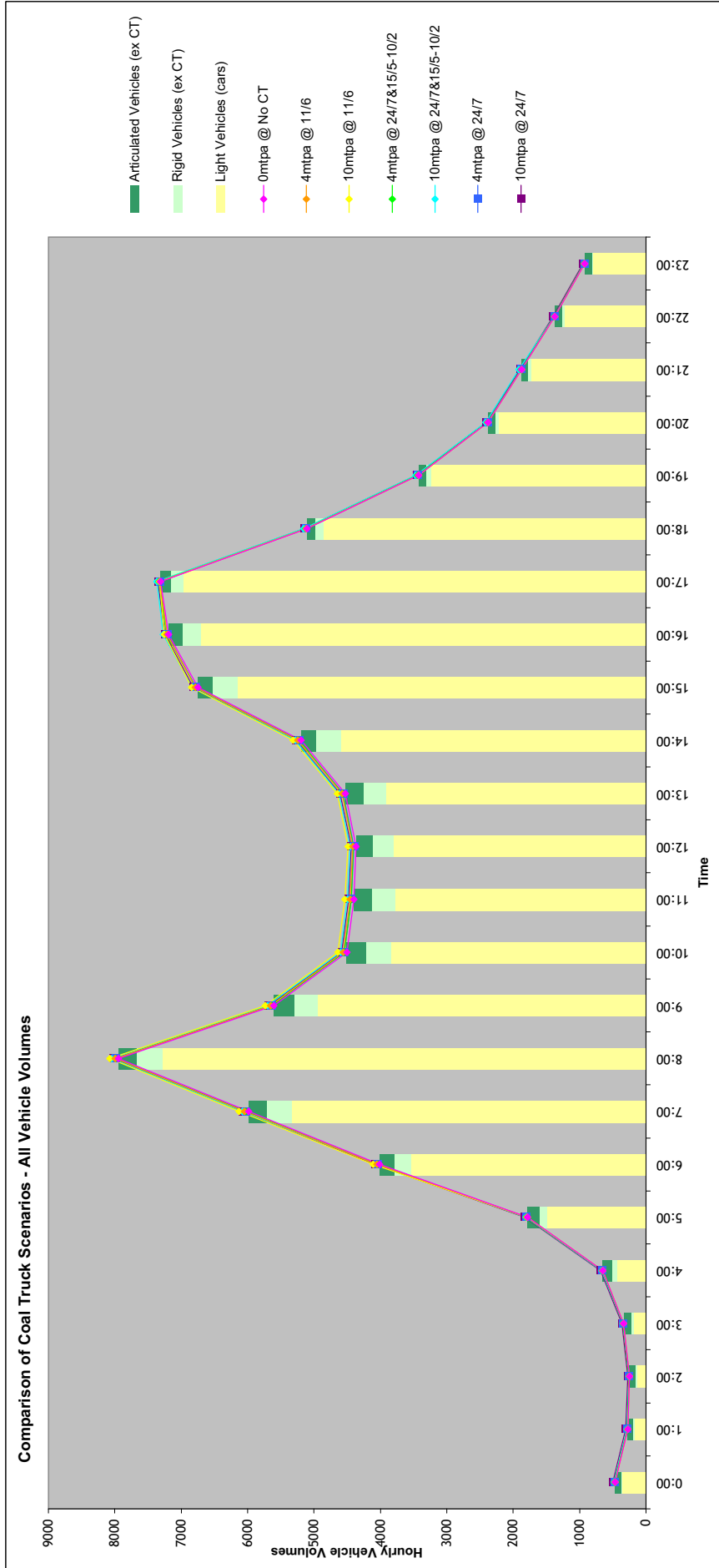
2013 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



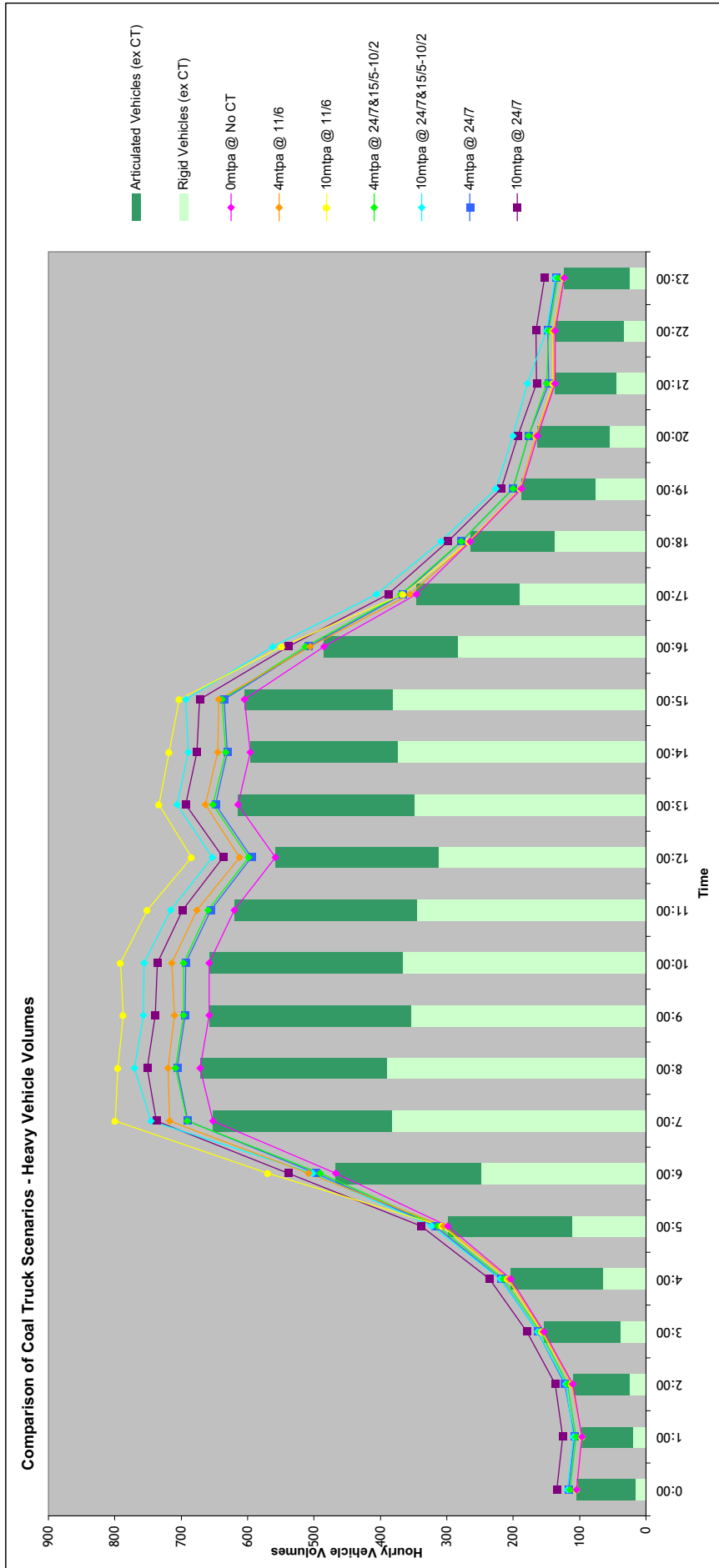
2013 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



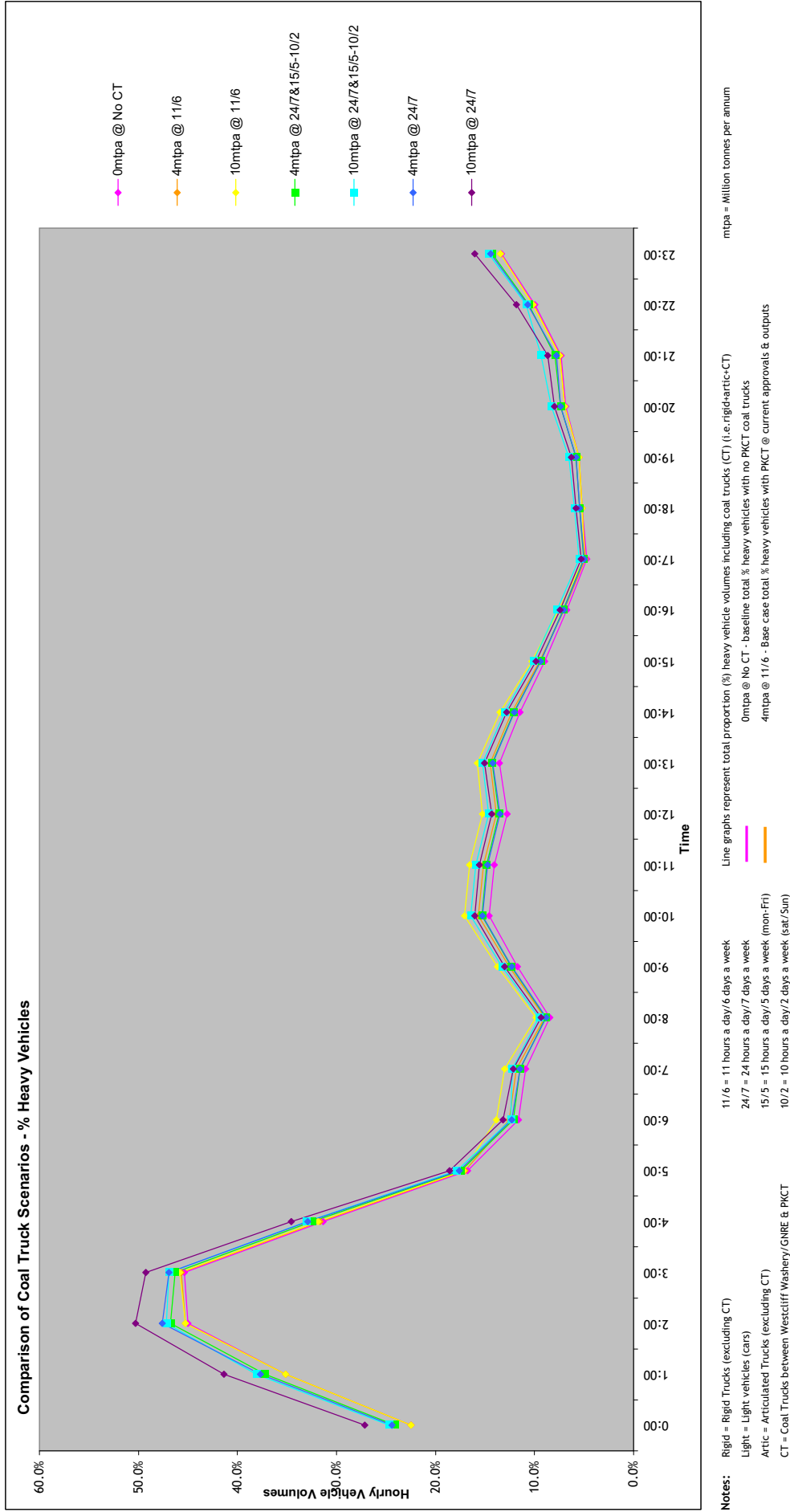
2013 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



2013 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



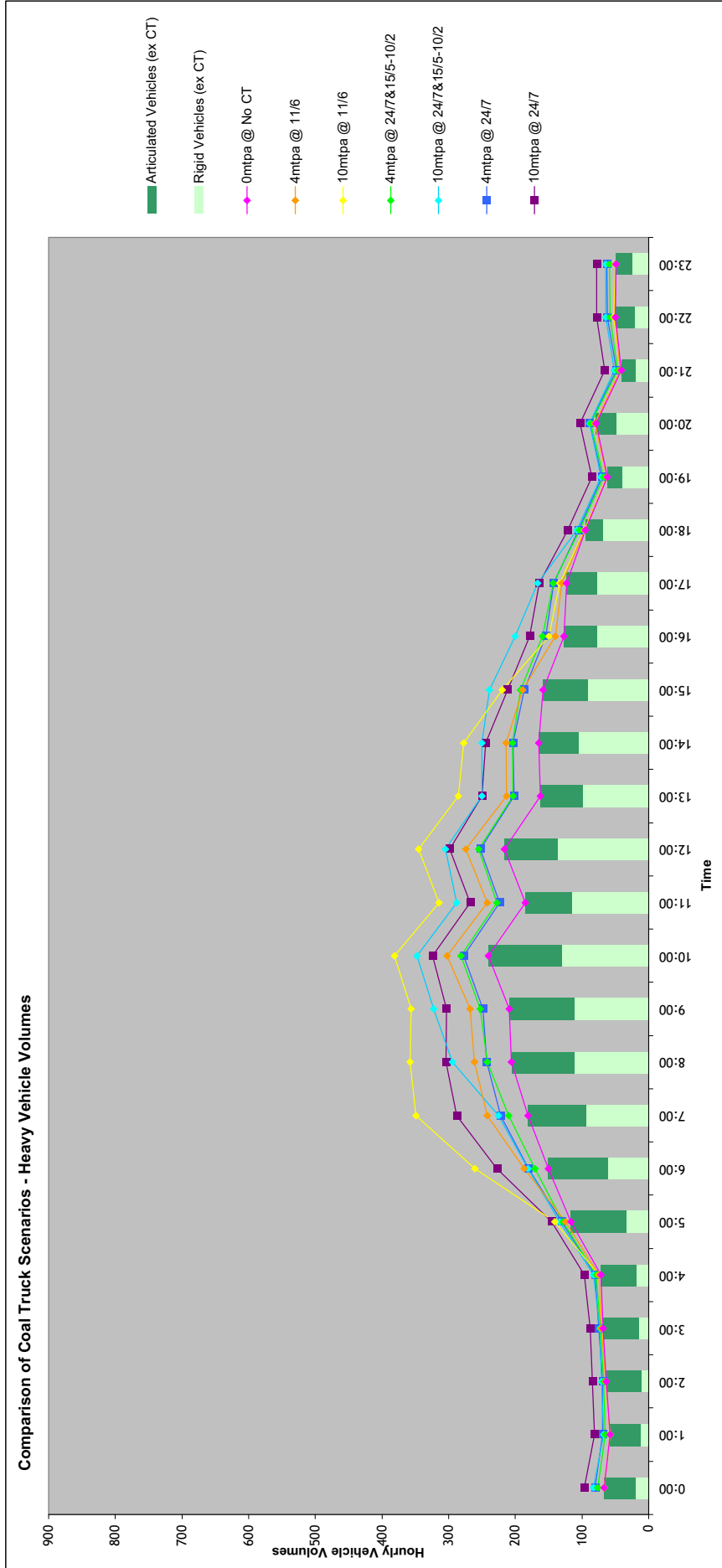
2013 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



2013 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



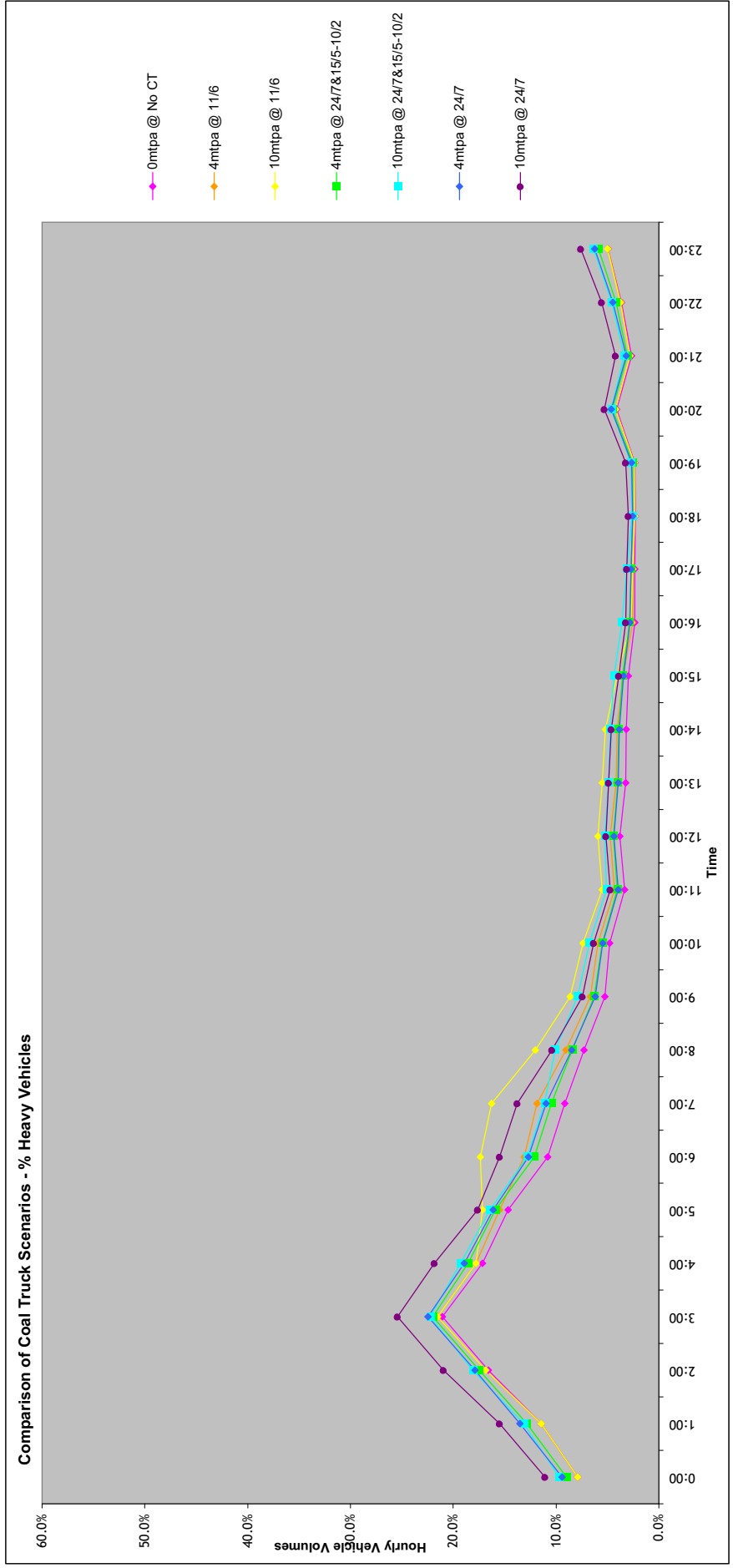
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GNEH & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
- 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

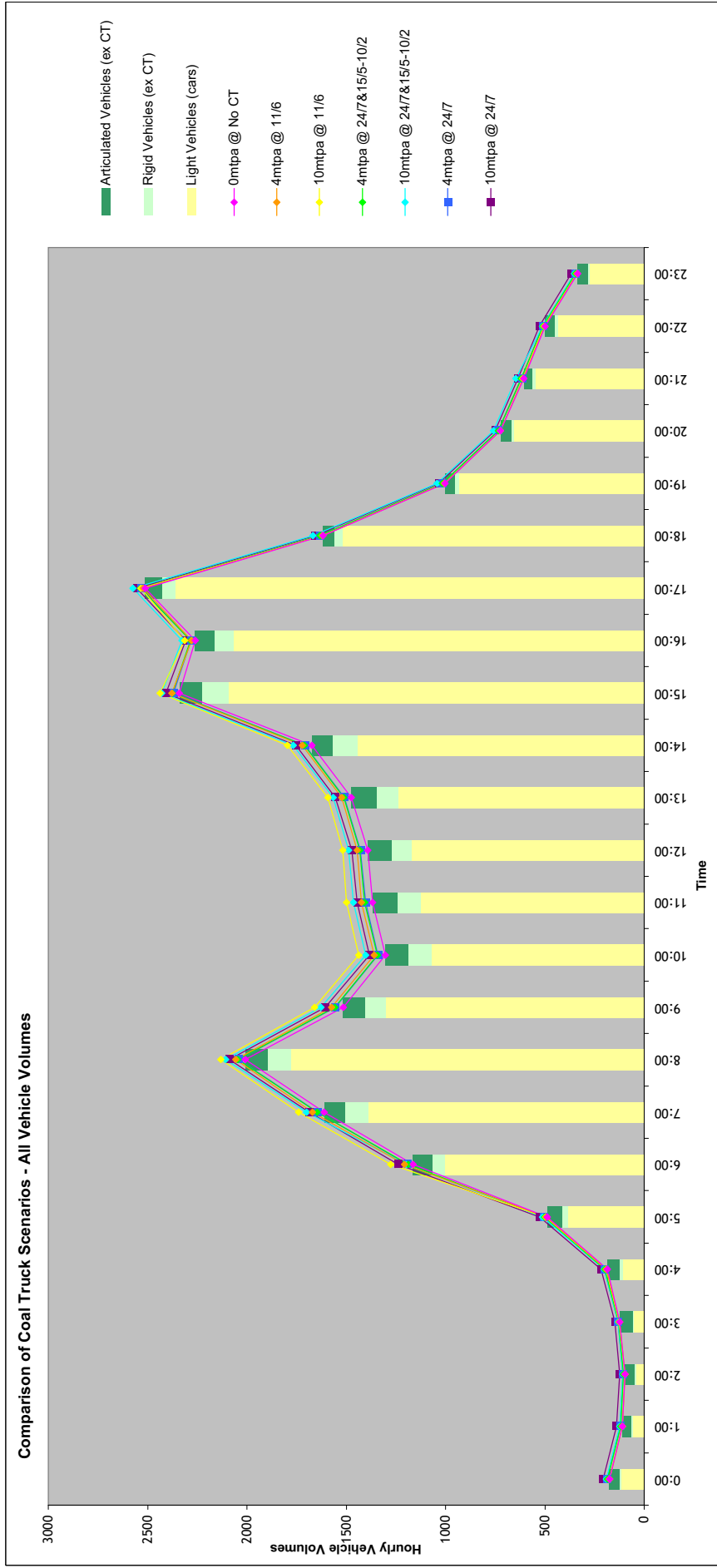
2013 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



2013 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



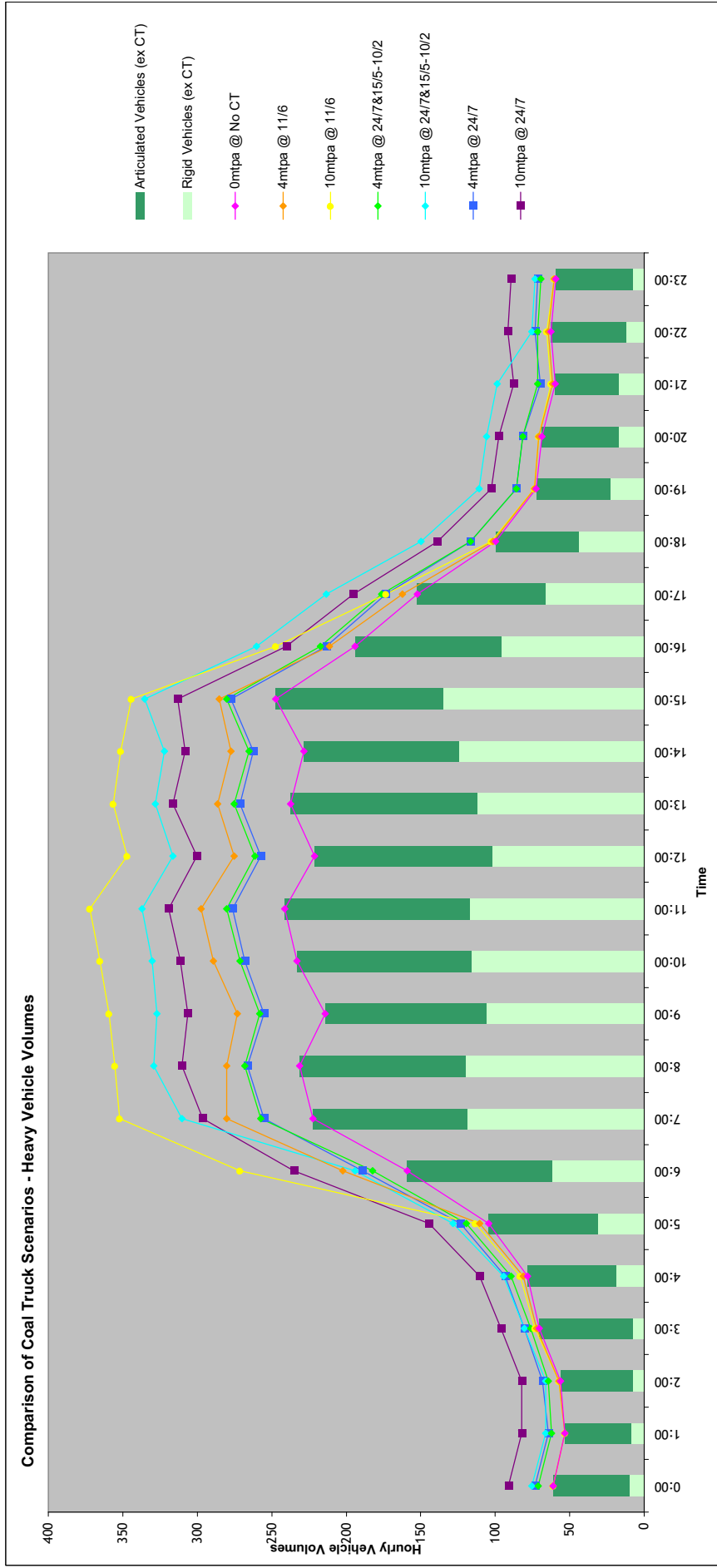
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GHE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic-CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



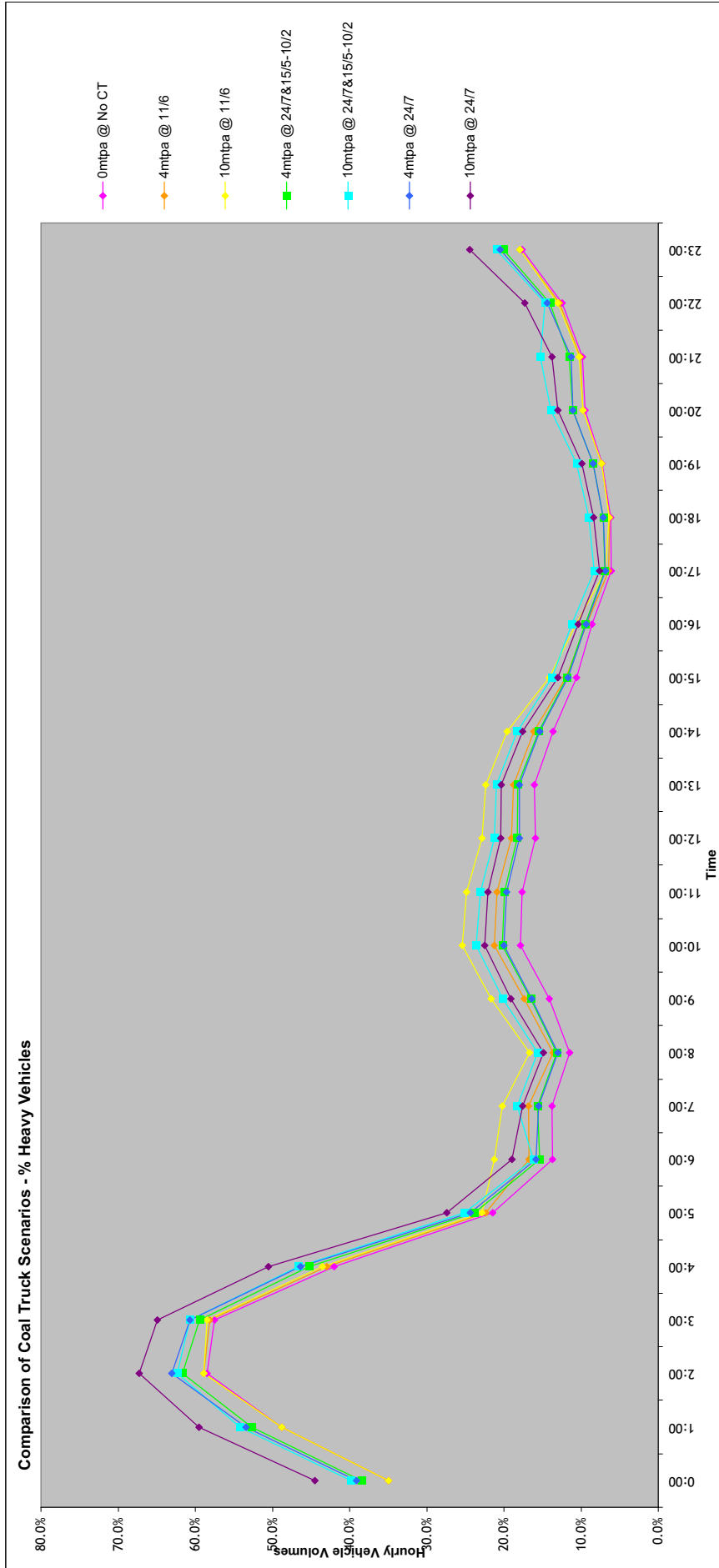
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GHE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)
- 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GHE & PKCT

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

2013 Average Weekend
 5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd

Direction	2013 Average Weekend 5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																															
	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only							
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	A	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
	78	4	19	101	101	101	105	108	107	115	23	23	23	27	30	29	37	22.9%	22.9%	22.9%	25.8%	27.9%	27.3%	32.3%	32.3%	0	0	4	7	6	14	
0:00	51	1	18	70	70	70	74	74	76	81	19	19	19	23	23	23	25	30	27.3%	27.3%	27.3%	31.2%	31.2%	35.0%	37.1%	0	0	4	4	6	11	
1:00	42	2	18	62	63	63	65	64	64	72	20	21	21	21	23	22	30	32.4%	33.3%	33.3%	35.5%	35.5%	34.5%	41.8%	41.8%	0	1	1	1	3	2	10
2:00	24	1	17	42	43	43	45	45	46	52	18	19	19	21	21	22	28	43.0%	44.4%	44.4%	46.8%	46.8%	48.0%	54.0%	54.0%	0	1	1	3	4	10	
3:00	36	4	18	58	60	60	62	65	63	72	22	24	24	26	29	27	36	38.1%	40.1%	40.1%	42.1%	42.1%	44.7%	50.1%	50.1%	0	2	2	4	7	5	14
4:00	98	8	17	123	128	139	130	133	131	139	25	30	41	32	35	33	41	20.4%	23.5%	24.7%	26.3%	25.2%	29.5%	29.5%	29.5%	0	5	16	7	10	8	16
5:00	203	19	19	241	268	316	254	261	260	290	38	65	113	51	58	57	87	15.6%	24.1%	35.7%	19.9%	22.1%	21.8%	29.9%	29.9%	0	27	75	13	20	19	49
6:00	163	28	30	221	245	297	231	236	237	268	58	82	134	68	73	74	105	26.1%	33.4%	45.0%	29.3%	30.8%	31.1%	39.1%	39.1%	0	24	76	10	15	16	47
7:00	235	17	20	272	300	346	292	325	291	321	37	65	111	57	90	56	86	13.5%	21.6%	32.0%	19.4%	27.6%	19.1%	26.7%	26.7%	0	28	74	20	53	19	49
8:00	336	20	31	387	423	470	412	449	410	438	51	87	134	76	113	74	102	13.1%	20.5%	28.5%	18.4%	25.1%	18.0%	23.2%	23.2%	0	36	83	25	62	23	51
9:00	434	19	33	486	516	553	507	540	504	528	52	82	119	73	106	70	94	10.6%	15.8%	21.5%	14.3%	19.6%	13.8%	17.7%	17.7%	0	30	67	21	54	18	42
10:00	462	22	21	505	534	570	526	555	524	546	43	72	108	64	93	62	84	8.4%	13.4%	18.9%	12.1%	16.7%	11.8%	15.3%	15.3%	0	29	65	21	50	19	41
11:00	475	18	22	515	542	576	534	558	533	556	40	67	101	59	83	58	81	7.7%	12.3%	17.5%	11.0%	14.8%	10.8%	14.5%	14.5%	0	27	61	19	43	18	41
12:00	389	15	28	432	458	496	453	476	453	477	43	69	107	64	87	64	88	9.9%	15.0%	21.5%	14.0%	18.2%	14.0%	18.4%	18.4%	0	26	64	21	44	21	45
13:00	416	17	22	455	478	506	473	496	472	491	39	62	90	57	80	56	75	8.5%	12.9%	17.7%	12.0%	16.1%	11.8%	15.2%	15.2%	0	23	51	18	41	17	36
14:00	375	15	22	412	433	463	429	453	426	436	37	48	58	54	78	51	61	8.9%	11.3%	13.3%	12.5%	17.1%	11.9%	13.9%	13.9%	0	11	21	17	41	14	24
15:00	364	13	20	397	400	403	409	426	407	417	33	36	39	45	62	43	53	8.2%	8.9%	9.6%	10.9%	14.5%	10.5%	12.6%	12.6%	0	3	6	12	29	10	20
16:00	335	10	19	364	367	368	372	381	372	384	29	32	33	37	46	37	49	7.9%	8.6%	8.6%	9.9%	12.0%	9.9%	12.7%	12.7%	0	3	4	8	17	8	20
17:00	342	11	6	359	360	360	365	366	366	373	17	18	18	23	24	24	31	4.8%	5.1%	5.1%	6.4%	6.6%	6.6%	8.4%	8.4%	0	1	1	6	7	7	14
18:00	203	5	7	215	216	216	218	221	219	228	12	13	13	15	18	16	25	5.7%	6.2%	6.2%	7.0%	8.3%	7.4%	11.1%	11.1%	0	1	1	3	6	4	13
19:00	154	12	10	176	177	177	180	180	181	187	22	23	23	26	26	27	33	12.7%	13.2%	13.2%	14.6%	15.1%	14.6%	17.8%	17.8%	0	1	1	4	4	5	11
20:00	144	1	5	151	152	152	154	158	155	165	6	7	7	9	13	10	20	4.2%	4.8%	4.8%	6.1%	8.5%	6.7%	12.4%	12.4%	0	1	1	3	7	4	14
21:00	145	5	13	163	163	164	167	170	169	177	18	18	19	22	25	24	32	10.9%	10.9%	11.4%	13.0%	14.5%	14.0%	17.9%	17.9%	0	0	1	4	7	6	14
22:00	94	3	5	102	102	102	108	110	110	117	8	8	8	14	16	16	23	7.6%	7.6%	7.6%	12.7%	14.3%	14.3%	19.5%	19.5%	0	0	0	6	8	8	15
23:00	599	270	437	6306	6586	6978	6560	6848	6573	6927	707	987	1379	961	1249	974	1328	11.2%	15.0%	19.8%	14.6%	18.2%	14.8%	19.2%	19.2%	0	280	672	254	542	267	621
% CT of HV	4828	223	293	5344	5588	5920	5552	5817	5547	5812	516	760	1092	724	989	719	984	9.7%	13.6%	18.4%	13.0%	17.0%	13.0%	16.9%	16.9%	0	244	576	208	473	203	468
% CT of HV	772	47	144	963	999	1059	1009	1032	1027	1116	191	227	287	237	260	255	344	19.8%	22.7%	27.1%	23.5%	25.2%	24.8%	30.8%	30.8%	0	36	96	46	69	64	153
% CT of HV																		0.0%	15.9%	33.5%	19.4%	26.5%	25.1%	44.5%	44.5%							

2013 Average Weekend
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd

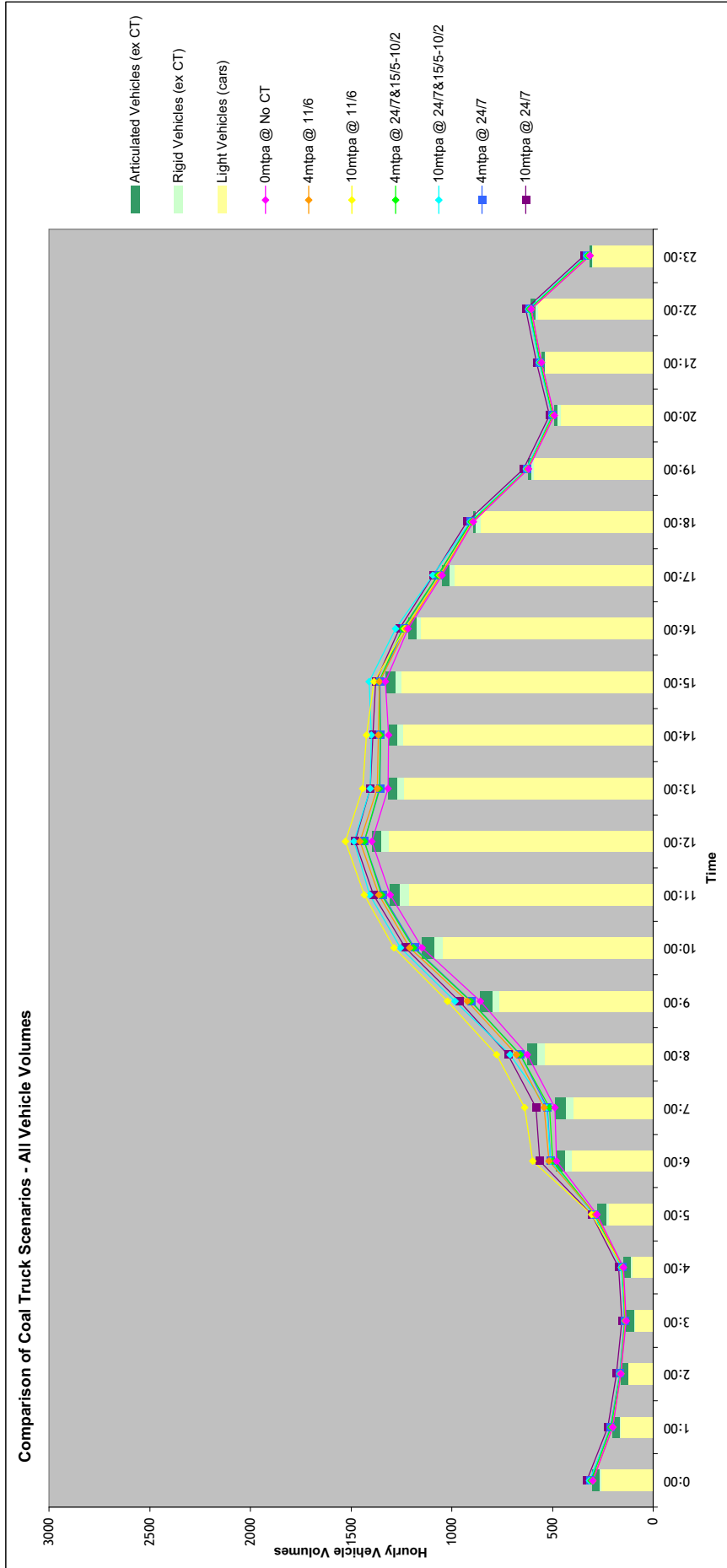
Direction	2013 Average Weekend 5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																													
	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	A	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
Time	181	3	14	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198		
0:00	112	1	17	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130		
1:00	82	1	15	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98		
2:00	68	1	24	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94		
3:00	67	4	17	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
4:00	123	6	25	154	158	165	159	161	160	167	161	160	167	161	160	167	161	160	167	161	160	167	161	160	167	161	160	167		
5:00	204	11	24	239	250	283	246	250	251	273	35	46	79	42	46	47	69	14.5%	18.3%	27.8%	16.9%	18.3%	18.6%	25.2%	0	11	44	7		
6:00	235	7	26	268	297	341	284	292	288	315	33	62	106	49	57	53	80	12.2%	20.8%	31.0%	17.1%	19.4%	18.3%	25.3%	0	29	73	16		
7:00	305	20	28	353	380	431	368	387	370	401	48	75	126	63	82	65	96	13.5%	19.7%	29.2%	17.0%	21.1%	17.5%	23.9%	0	27	78	15		
8:00	429	15	27	471	501	552	495	537	493	526	42	72	123	66	108	64	97	8.8%	14.3%	22.2%	13.3%	20.1%	12.9%	18.4%	0	30	81	24		
9:00	611	23	29	663	695	735	683	715	681	704	52	84	124	72	104	70	93	7.8%	12.0%	16.8%	10.5%	14.5%	10.2%	13.2%	0	32	72	20		
10:00	749	25	27	801	829	864	822	853	820	843	52	80	115	73	104	71	94	6.4%	9.6%	13.3%	8.8%	12.2%	8.6%	11.1%	0	28	63	21		
11:00	840	21	22	883	914	952	902	927	901	924	43	74	112	62	87	61	84	4.8%	8.1%	11.7%	6.8%	9.3%	6.7%	9.1%	0	31	69	19		
12:00	850	15	21	886	911	946	906	930	905	929	36	61	96	56	80	55	79	4.0%	6.7%	10.0%	6.1%	8.6%	6.0%	8.5%	0	25	60	20		
13:00	826	15	19	860	886	918	881	904	881	902	34	60	92	55	78	55	76	3.9%	6.7%	10.0%	6.2%	8.6%	6.2%	8.4%	0	26	58	21		
14:00	877	15	26	918	937	954	935	959	932	944	41	60	77	58	82	55	67	4.4%	6.4%	8.0%	6.2%	8.5%	5.9%	7.1%	0	19	36	17		
15:00	791	10	19	820	827	832	836	853	833	845	29	36	41	45	62	42	54	3.5%	4.3%	4.9%	5.3%	7.2%	5.0%	6.3%	0	7	12	16		
16:00	655	10	20	685	690	692	698	714	697	709	30	35	37	43	59	42	54	4.3%	5.0%	5.3%	6.1%	8.2%	6.0%	7.6%	0	5	7	13		
17:00	517	11	6	534	535	536	539	542	541	551	17	18	19	22	25	24	34	3.2%	3.4%	3.6%	4.1%	4.7%	4.5%	6.2%	0	1	2	5		
18:00	392	6	6	404	404	404	407	408	408	415	12	12	12	15	16	16	23	3.0%	3.0%	3.0%	3.8%	4.0%	4.0%	5.6%	0	0	0	3		
19:00	304	4	7	315	316	316	319	321	320	328	11	12	12	15	17	16	24	3.6%	3.9%	3.9%	4.8%	5.4%	5.1%	7.4%	0	1	1	4		
20:00	392	4	7	404	405	405	407	408	408	415	11	12	12	14	15	15	22	2.8%	3.0%	3.0%	3.5%	3.8%	3.8%	5.4%	0	1	1	3		
21:00	428	5	9	442	443	443	446	449	448	456	14	15	15	18	21	20	28	3.1%	3.3%	3.3%	4.0%	4.6%	4.4%	6.1%	0	1	1	4		
22:00	205	2	6	213	213	214	217	220	219	227	8	8	9	12	15	14	22	3.6%	3.6%	4.1%	5.4%	6.7%	6.3%	9.6%	0	0	1	4		
23:00	10244	235	438	10917	11197	11589	11171	11459	11184	11538	673	953	1345	927	1215	940	1294	6.2%	8.5%	11.6%	8.3%	10.6%	8.4%	11.2%	0	280	672	254		
% CT of HV																		0.0%	29.4%	50.0%	27.4%	44.6%	28.4%	48.0%						
Day (6am-10pm)	8774	201	287	9262	9524	9875	9479	9747	9475	9748	488	750	1101	705	973	701	974	5.3%	7.9%	11.2%	7.4%	10.0%	7.4%	10.0%	0	262	613	217		
% CT of HV																		0.0%	34.9%	55.7%	30.8%	49.8%	30.4%	49.9%						
Night (10pm-7am)	1471	34	151	1656	1674	1715	1693	1713	1710	1791	185	203	244	222	242	239	320	11.2%	12.1%	14.2%	13.1%	14.1%	14.0%	17.9%	0	18	59	37		
% CT of HV																		0.0%	8.9%	24.2%	16.7%	23.6%	22.8%	42.2%						

2013 Average Weekend
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd

Direction	2013 Average Weekend 5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																									
	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only									
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J		
	259	7	33	299	299	299	309	315	313	329	40	40	40	50	54	70	13.5%	13.5%	13.5%	16.3%	17.9%	17.3%	21.3%	21.3%	0	
	163	2	35	200	200	200	208	210	212	224	37	37	37	45	49	61	18.6%	18.6%	18.6%	21.7%	22.5%	23.2%	27.3%	27.3%	0	
	124	3	33	160	161	161	164	167	166	181	36	37	37	40	43	42	22.6%	23.1%	23.1%	24.5%	25.9%	25.4%	31.6%	31.6%	0	
	92	2	41	135	137	137	139	140	141	154	43	45	45	47	48	49	32.0%	33.0%	33.0%	33.9%	34.4%	34.9%	40.4%	40.4%	0	
	103	8	35	146	149	149	153	157	155	171	43	46	46	50	54	68	29.6%	31.0%	31.0%	32.8%	34.5%	33.7%	39.9%	39.9%	0	
	221	14	42	278	287	305	290	295	292	307	56	65	65	68	73	70	85	20.3%	22.8%	22.8%	23.6%	24.9%	24.1%	27.8%	27.8%	0
	407	30	42	480	518	599	500	511	511	563	72	110	191	92	103	103	155	15.1%	21.3%	21.3%	18.5%	20.2%	20.2%	27.6%	27.6%	0
	398	35	55	488	541	637	514	527	524	582	90	143	239	116	129	126	184	18.5%	26.5%	26.5%	22.6%	24.5%	24.1%	31.6%	31.6%	0
	540	37	47	624	679	776	659	711	660	721	84	139	236	119	171	120	181	13.5%	20.5%	20.5%	18.1%	24.1%	18.2%	25.1%	25.1%	0
	765	35	57	857	923	1021	906	985	902	963	92	158	256	141	220	137	198	10.8%	17.1%	17.1%	15.6%	22.4%	15.2%	20.6%	20.6%	0
	1045	42	61	1148	1210	1287	1189	1254	1184	1231	103	165	242	144	209	139	186	9.0%	13.7%	13.7%	12.1%	16.7%	11.8%	15.1%	15.1%	0
	1211	47	47	1305	1362	1433	1347	1407	1343	1388	94	151	222	136	196	132	177	7.2%	11.1%	11.1%	10.1%	13.9%	9.8%	12.8%	12.8%	0
	1315	39	43	1397	1455	1527	1435	1484	1433	1479	82	140	212	120	169	118	164	5.9%	9.4%	9.4%	8.4%	11.4%	8.3%	11.1%	11.1%	0
	1239	30	48	1318	1369	1442	1359	1406	1358	1406	78	129	202	119	166	118	166	5.9%	9.4%	9.4%	8.8%	11.8%	8.7%	11.8%	11.8%	0
	1242	32	40	1315	1364	1424	1354	1400	1353	1393	72	121	181	111	157	110	150	5.5%	8.9%	8.9%	12.7%	8.2%	11.2%	10.8%	10.8%	0
	1252	30	47	1329	1359	1386	1363	1411	1357	1379	71	107	134	111	159	105	127	5.8%	7.9%	7.9%	8.2%	11.3%	7.8%	9.2%	9.2%	0
	1155	23	38	1216	1226	1234	1244	1278	1239	1261	61	71	79	89	123	84	106	5.0%	5.8%	5.8%	6.4%	7.2%	6.8%	8.4%	8.4%	0
	990	20	38	1048	1056	1059	1069	1094	1068	1092	58	66	69	79	104	78	102	5.6%	6.3%	6.3%	7.4%	9.5%	7.3%	9.4%	9.4%	0
	859	22	13	894	896	897	905	909	908	925	35	37	38	46	50	49	66	3.9%	4.1%	4.1%	4.2%	5.0%	5.4%	7.1%	7.1%	0
	595	11	14	620	621	621	626	630	628	644	25	26	26	31	35	33	49	4.0%	4.1%	4.1%	4.9%	5.5%	5.2%	7.6%	7.6%	0
	458	16	18	492	494	494	500	502	502	516	34	36	36	42	44	44	58	6.8%	7.2%	7.2%	8.3%	8.7%	8.7%	11.2%	11.2%	0
	536	5	13	554	556	556	560	565	562	579	18	20	20	24	29	26	43	3.2%	3.5%	3.5%	4.2%	5.1%	4.6%	7.4%	7.4%	0
	573	10	21	605	606	607	613	619	617	633	31	32	33	39	45	59	5.2%	5.4%	5.4%	6.4%	7.3%	7.0%	9.4%	9.4%	0	
	299	5	10	314	314	315	324	329	328	343	15	15	16	25	30	29	44	4.9%	4.9%	4.9%	5.2%	7.8%	9.2%	12.9%	12.9%	0
	15844	505	875	17224	17784	18568	17732	18308	17758	18466	1380	1940	2724	1888	2464	1914	2622	8.0%	10.9%	10.9%	10.6%	13.5%	10.8%	14.2%	14.2%	0
% CT of HV	13601	424	580	14606	15112	15795	15031	15564	15022	15560	1004	1510	2193	1429	1962	1420	1958	6.9%	10.0%	10.0%	9.5%	12.6%	9.5%	12.6%	12.6%	0
% CT of HV	2242	81	295	2618	2672	2773	2701	2744	2736	2906	376	430	531	459	502	494	664	14.4%	16.1%	16.1%	17.0%	18.3%	18.0%	22.8%	22.8%	0
% CT of HV																		0.0%	12.6%	12.6%	18.1%	25.1%	23.9%	43.4%	43.4%	0

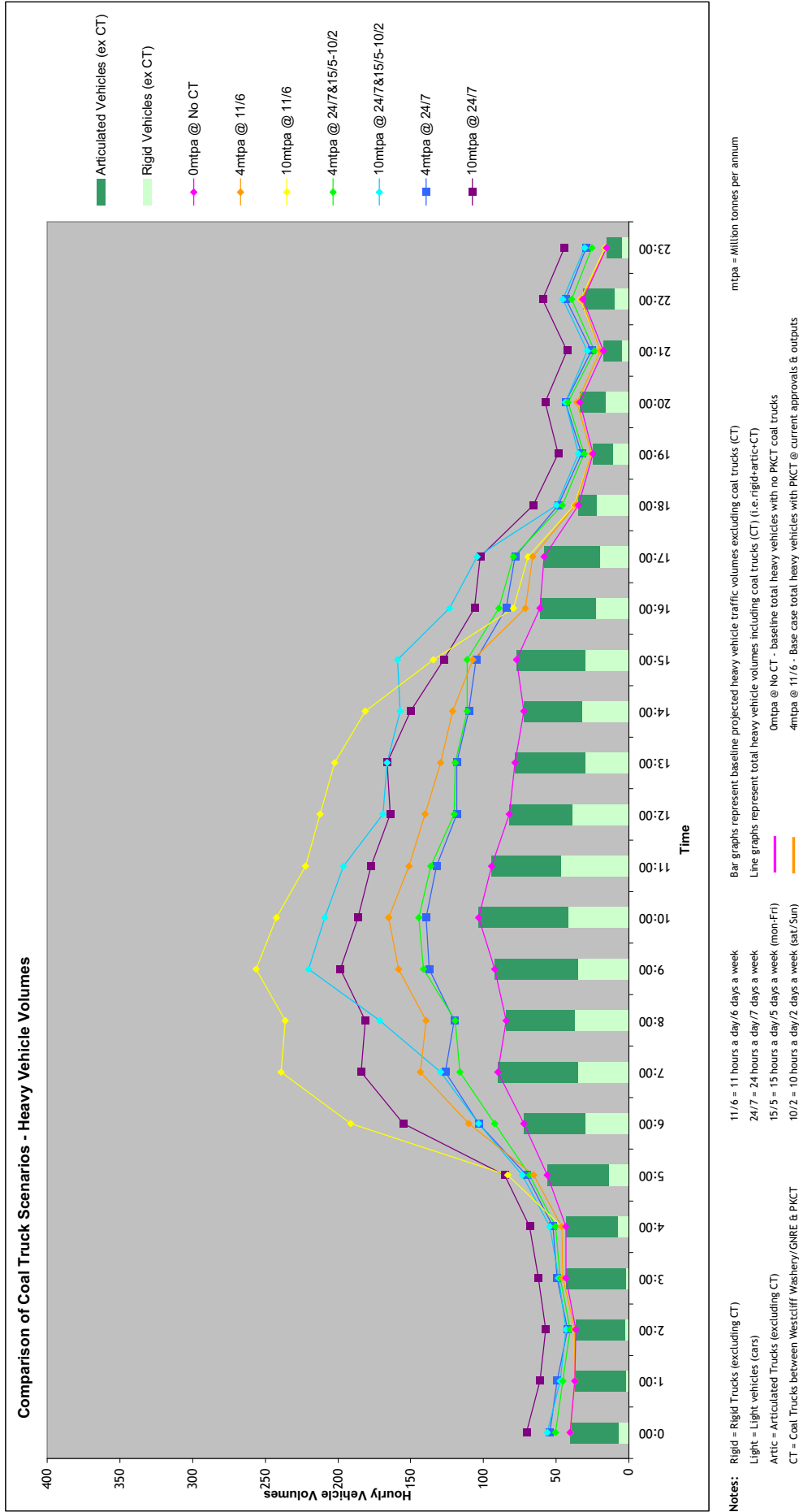
2013 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



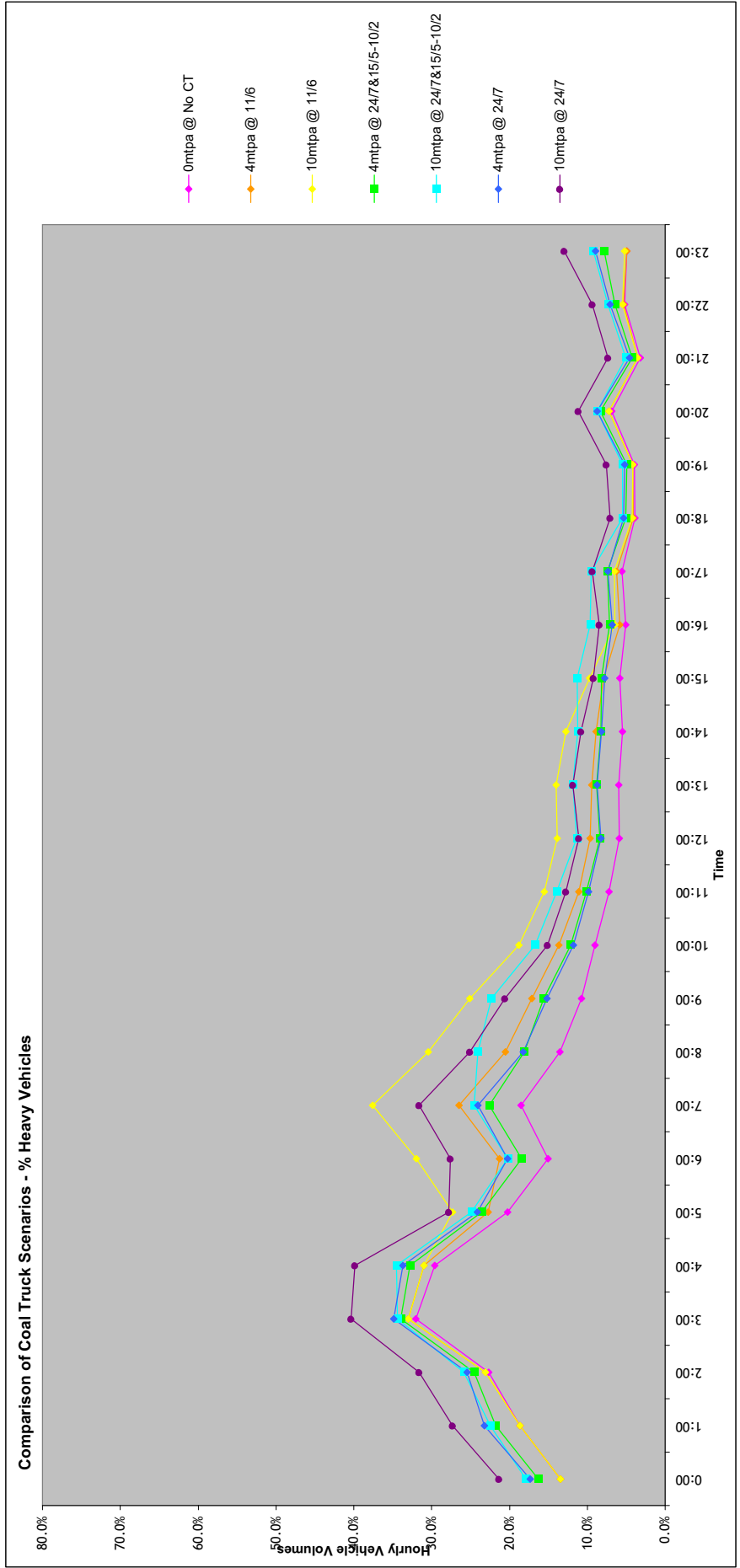
2013 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



2013 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

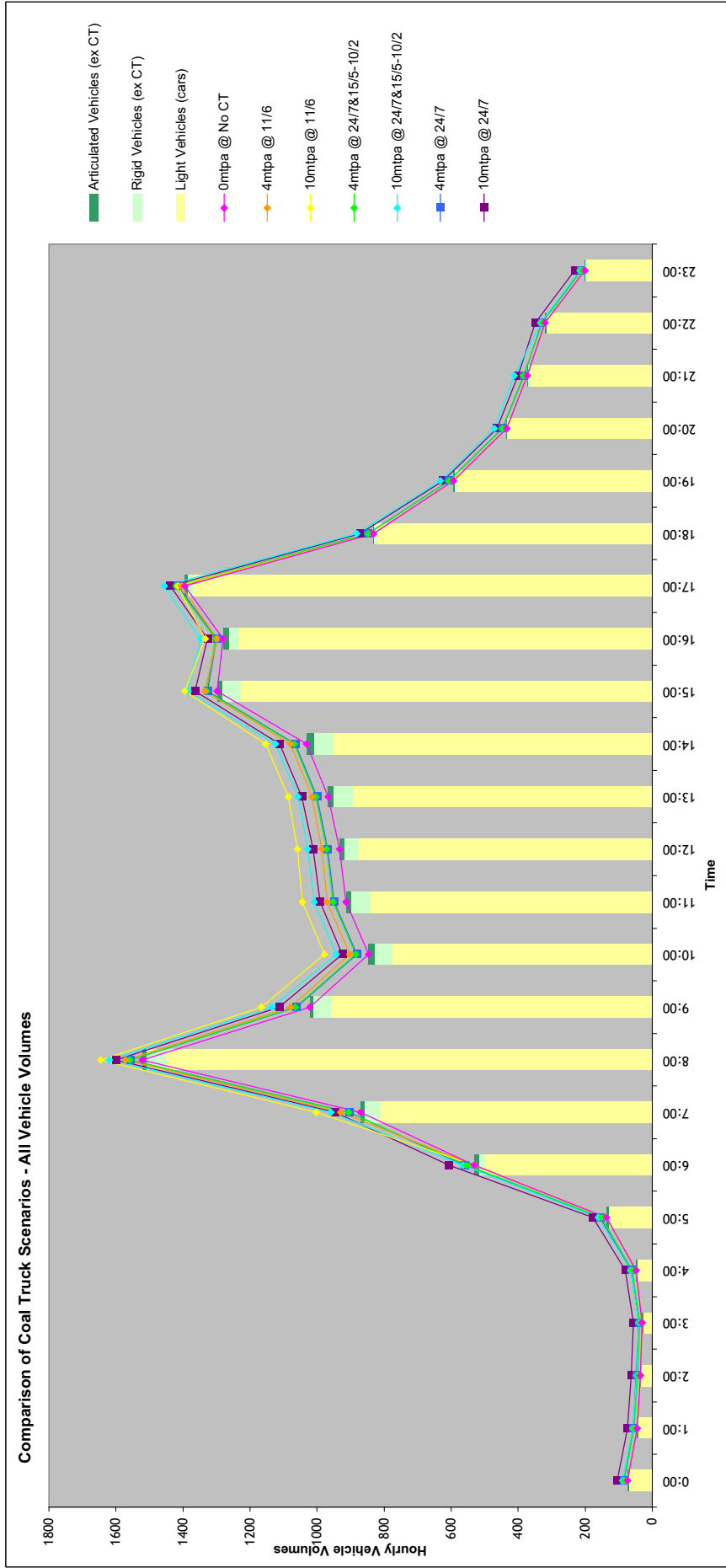
mtpa = Million tonnes per annum

**2013 Average Weekday
6. Springhill Road, Coniston Between Masters Rd and Corriam St.**

Direction	2013 Average Weekday 6. Springhill Road, Coniston Between Masters Rd and Corriam St.																								
	Base Volumes			Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only									
Time	Articulated Vehicles (ex CT)			Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only									
	A	B	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	
	Light Vehicles (cars)	Rigid Vehicles (ex CT)		Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	
0:00	24	1	26	26	26	26	31	33	32	41	2	2	7	9	8	17	9.3%	9.3%	9.3%	9.3%	23.7%	28.3%	26.1%	42.1%	5
1:00	17	0	18	18	18	18	23	25	24	33	1	1	6	8	7	16	8.0%	8.0%	8.0%	8.0%	27.6%	33.3%	30.5%	49.2%	5
2:00	14	0	15	15	15	15	19	21	21	29	1	1	5	7	7	15	9.5%	9.5%	9.5%	9.5%	28.1%	34.8%	34.8%	52.5%	4
3:00	15	1	18	18	18	21	22	23	23	30	3	3	6	7	8	15	18.8%	18.8%	18.8%	18.8%	30.1%	33.2%	36.1%	50.8%	3
4:00	27	1	30	30	30	34	36	36	36	44	3	3	7	9	9	17	11.4%	11.4%	11.4%	11.4%	21.7%	26.0%	26.0%	39.3%	4
5:00	79	4	87	87	87	94	98	96	96	106	8	8	15	19	17	27	9.7%	9.7%	9.7%	9.7%	16.4%	19.8%	18.1%	25.8%	7
6:00	288	14	313	313	313	322	327	325	325	346	25	25	34	39	37	58	7.9%	7.9%	7.9%	7.9%	10.5%	11.8%	11.3%	16.7%	9
7:00	522	37	665	663	646	586	613	585	609	609	43	81	124	64	91	63	87	7.6%	13.4%	19.2%	10.9%	14.8%	10.7%	14.2%	0
8:00	1035	30	1071	1095	1132	1089	1120	1088	1110	1110	36	60	97	54	85	53	75	3.3%	5.3%	8.5%	4.9%	7.6%	4.8%	6.7%	0
9:00	628	24	657	681	719	676	707	675	698	29	53	91	48	79	47	70	4.4%	7.7%	12.6%	7.1%	11.1%	11.1%	6.9%	10.0%	0
10:00	437	27	474	503	541	493	523	492	513	37	66	104	56	86	55	76	7.7%	13.1%	19.2%	11.3%	10.8%	15.5%	14.1%	14.8%	0
11:00	450	29	488	513	551	505	533	503	524	36	63	101	55	83	53	74	7.3%	12.2%	18.3%	10.8%	15.5%	15.5%	14.1%	14.1%	0
12:00	459	22	488	517	554	509	537	507	529	29	58	95	50	78	48	70	5.9%	11.2%	17.1%	9.8%	14.5%	9.4%	13.2%	13.2%	0
13:00	434	29	471	495	529	489	515	487	509	37	61	95	55	81	53	75	7.8%	12.3%	17.9%	11.2%	15.7%	10.8%	14.7%	14.7%	0
14:00	457	29	495	521	559	515	544	513	537	38	64	102	58	87	56	80	7.6%	12.2%	18.2%	11.2%	15.9%	10.9%	14.8%	14.8%	0
15:00	630	25	661	683	715	678	706	677	695	31	53	85	48	76	47	65	4.6%	7.7%	11.8%	7.0%	10.7%	6.9%	9.3%	9.3%	0
16:00	609	14	631	642	663	645	670	643	659	22	33	54	36	61	34	50	3.4%	5.1%	8.1%	5.5%	9.1%	5.2%	7.5%	7.5%	0
17:00	607	7	618	624	630	631	649	629	640	11	17	23	24	42	22	33	1.7%	2.7%	3.8%	3.8%	6.4%	3.4%	5.1%	5.1%	0
18:00	444	3	448	448	448	456	471	456	466	4	4	4	12	27	12	22	0.8%	0.8%	0.8%	2.5%	5.6%	2.5%	4.6%	4.6%	0
19:00	310	3	315	315	315	321	334	321	330	5	5	11	24	11	20	1.4%	1.4%	1.4%	3.3%	7.1%	3.3%	3.3%	5.9%	6	
20:00	187	2	190	190	190	197	209	197	205	3	3	3	10	22	10	18	1.3%	1.3%	1.3%	4.9%	10.3%	4.9%	8.6%	7	
21:00	148	1	149	149	149	155	170	154	163	2	2	2	8	23	7	16	1.0%	1.0%	1.0%	4.8%	13.2%	4.2%	9.5%	6	
22:00	114	2	118	118	118	122	124	123	132	4	4	4	8	10	9	18	3.2%	3.2%	3.2%	6.4%	7.9%	7.1%	13.5%	4	
23:00	70	1	72	72	72	77	79	78	87	2	2	2	7	9	8	17	2.4%	2.4%	2.4%	8.8%	11.1%	10.0%	19.3%	5	
Daily	8004	306	103	8413	8673	9035	8685	9063	8682	9032	409	669	1031	681	1059	678	1028	4.9%	7.7%	11.4%	7.8%	11.7%	7.8%	11.4%	0
% CT of HV																		0.0%	38.9%	60.4%	40.0%	61.4%	39.7%	60.2%	619
Day (6am-10pm)	7357	282	76	7714	7974	8336	7940	8296	7922	8182	358	618	980	584	940	566	826	4.6%	7.7%	11.8%	7.3%	11.3%	7.1%	10.1%	0
% CT of HV																		0.0%	42.1%	63.5%	38.7%	61.9%	36.8%	56.7%	468
Night (10pm-7am)	648	24	27	699	699	699	745	767	760	850	51	51	51	97	119	112	202	7.3%	7.3%	7.3%	13.0%	15.5%	14.7%	23.8%	0
% CT of HV																		0.0%	0.0%	0.0%	47.4%	57.1%	54.3%	74.7%	61

2013 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corral St



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

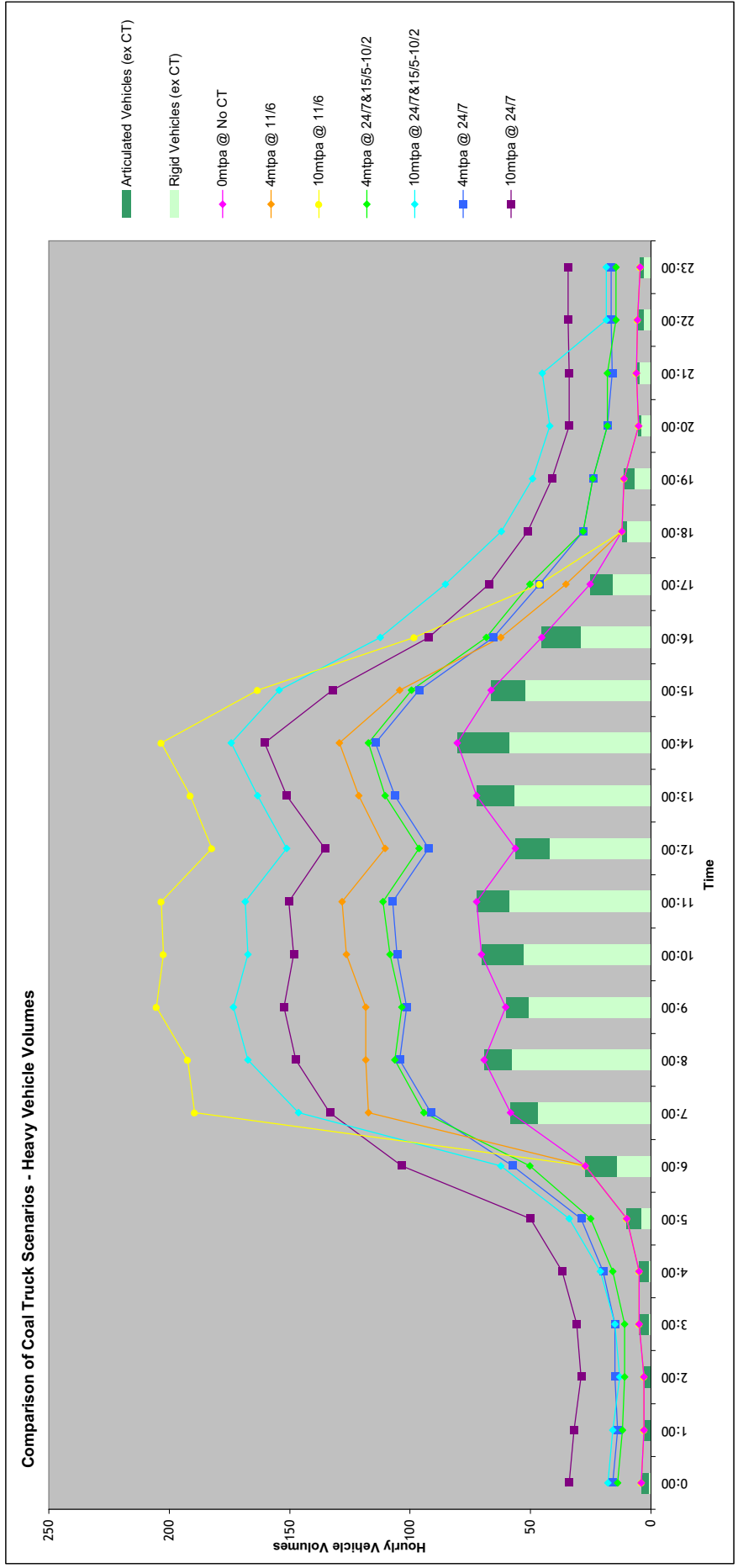
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
 0 mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4 mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

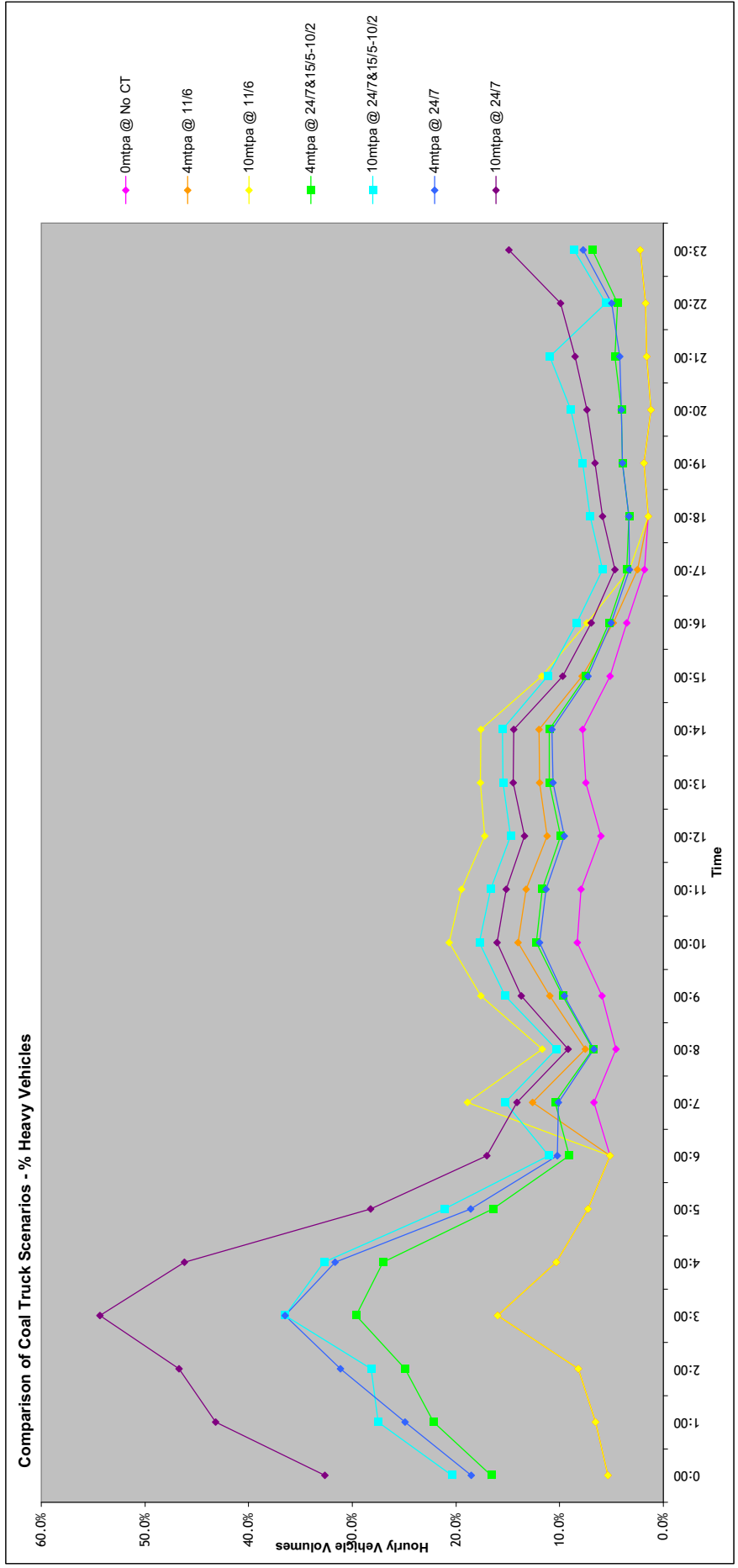
6. Springhill Road, Coniston Between Masters Rd and Corral St



mtpa = Million tonnes per annum

2013 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corral St



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

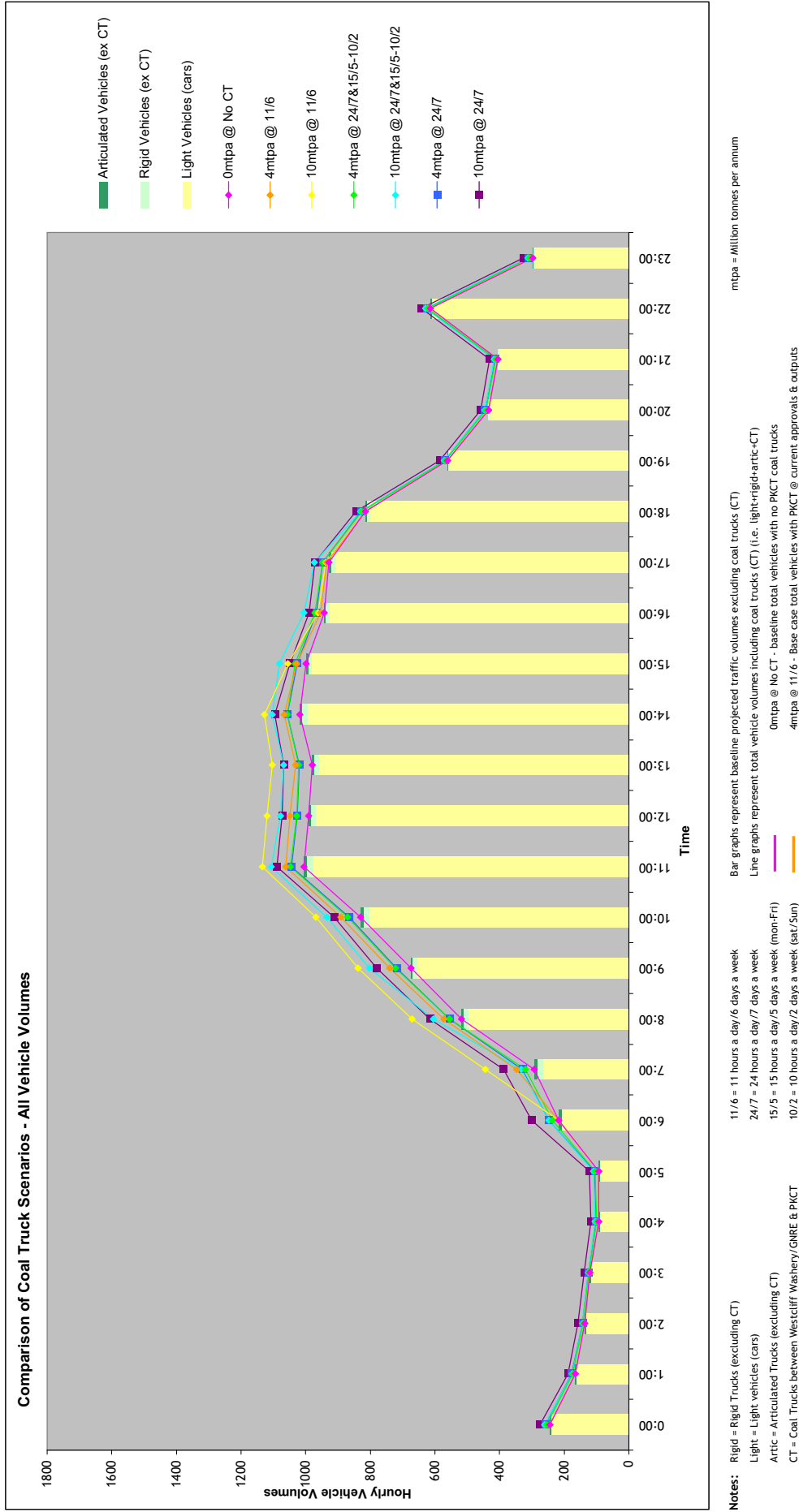
Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

		2013 Average Weekend																													
		6. Springhill Road, Coniston Between Masters Rd and Corriamal St.																													
Direction	Time	Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks																	
		Base Volumes				Total Heavy Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				Coal Trucks Only													
		A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J			
		Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ No CT			
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)																											
Southbound (to PKT)	0:00	145	3	1	149	149	153	156	155	163	4	4	4	8	11	10	18	3.0%	3.0%	3.0%	3.0%	5.5%	7.3%	6.7%	11.3%	7	6	14			
	1:00	101	1	1	103	103	107	107	109	114	2	2	2	6	6	8	13	2.4%	2.4%	2.4%	2.4%	6.0%	6.0%	7.7%	11.8%	4	6	11			
	2:00	79	1	1	81	81	82	84	83	91	2	2	2	3	5	4	12	3.0%	3.0%	3.0%	3.0%	4.2%	6.5%	5.4%	13.6%	1	3	2			
	3:00	62	0	1	63	63	63	66	67	73	1	1	1	4	4	4	5	11	2.3%	2.3%	2.3%	2.3%	6.7%	6.7%	8.1%	15.6%	3	3	4		
	4:00	46	1	2	49	49	49	53	56	54	3	3	3	7	10	8	17	7.0%	7.0%	7.0%	7.0%	14.0%	18.5%	15.9%	27.5%	4	7	5			
	5:00	38	1	1	40	40	40	47	50	48	2	2	2	9	12	10	18	6.1%	6.1%	6.1%	6.1%	20.6%	24.8%	21.6%	32.8%	7	10	8			
	6:00	69	1	3	73	73	73	86	93	92	4	4	4	17	24	23	53	5.1%	5.1%	5.1%	5.1%	19.5%	25.6%	24.8%	43.3%	13	20	19			
	7:00	91	4	4	99	121	162	109	114	114	8	30	71	18	23	23	47	7.8%	24.6%	43.7%	16.3%	19.9%	19.9%	33.9%	0	22	63				
	8:00	166	7	3	176	204	252	195	221	195	10	38	86	29	55	29	60	5.5%	18.5%	34.0%	14.7%	24.8%	14.7%	26.4%	0	28	76				
	9:00	264	7	3	274	312	368	300	344	298	10	48	104	36	80	34	68	3.5%	15.3%	28.2%	11.9%	23.2%	11.3%	20.4%	0	38	94				
	10:00	372	8	5	385	415	452	406	439	403	13	43	80	34	67	31	55	3.3%	10.3%	17.6%	8.3%	15.2%	7.6%	12.8%	0	30	67				
	11:00	460	11	4	475	504	540	496	525	494	15	44	80	36	65	34	56	3.1%	8.7%	14.8%	7.2%	12.3%	6.8%	10.8%	0	29	65				
	12:00	451	7	3	461	488	522	480	504	479	10	37	71	29	53	28	51	2.1%	7.5%	13.5%	6.0%	10.5%	5.8%	10.1%	0	27	61				
	13:00	473	6	4	483	509	547	504	527	504	10	36	74	31	54	31	55	2.0%	7.0%	13.5%	6.1%	10.2%	6.1%	10.4%	0	26	64				
	14:00	487	8	4	499	522	550	517	540	516	12	35	63	30	53	29	48	2.3%	6.6%	11.4%	5.7%	9.8%	5.6%	8.9%	0	23	51				
	15:00	503	7	3	513	524	534	530	554	527	10	21	31	27	51	24	34	1.9%	3.9%	5.7%	5.0%	9.2%	4.5%	6.3%	0	11	21				
	16:00	459	5	4	468	471	474	480	493	478	9	12	15	21	34	19	28	1.9%	2.5%	3.1%	4.3%	6.8%	3.9%	5.7%	0	3	6				
	17:00	363	6	3	372	375	376	380	393	380	9	12	13	17	30	17	29	2.3%	3.1%	3.4%	4.4%	7.6%	4.4%	7.3%	0	3	4				
	18:00	347	6	2	355	355	355	361	362	362	8	8	8	14	15	15	23	2.1%	2.1%	2.1%	3.8%	4.0%	4.0%	6.1%	0	3	4				
	19:00	257	5	1	263	263	263	266	269	267	6	6	6	9	12	10	19	2.1%	2.1%	2.1%	3.2%	4.3%	3.6%	6.7%	3	6	4				
	20:00	224	3	1	228	228	228	232	233	233	4	4	4	8	8	8	15	1.6%	1.6%	1.6%	3.3%	3.3%	3.7%	6.1%	4	4	5				
	21:00	206	2	1	208	208	208	211	215	212	3	3	3	6	10	7	17	1.2%	1.2%	1.2%	2.6%	4.4%	3.1%	7.4%	3	7	4				
	22:00	419	3	2	424	424	424	428	431	430	5	5	5	9	12	11	19	1.1%	1.1%	1.1%	2.0%	2.7%	2.5%	4.3%	4	7	6				
23:00	180	3	1	184	184	184	190	192	192	4	4	4	10	12	12	19	2.0%	2.0%	2.0%	5.1%	6.1%	6.1%	9.4%	6	8	8					
Daily	6261	106	55	6422	6662	6954	6676	6964	6689	7043	161	401	733	415	703	428	782	2.5%	6.0%	10.5%	6.2%	10.1%	6.4%	11.1%	0	240	572	254	542	267	621
% CT of HV											0.0%	59.9%	78.1%	61.3%	77.1%	62.4%	79.5%								62.4%	79.5%					
Day (6am-10pm)	5123	92	40	5254	5494	5826	5462	5727	5457	5722	132	372	704	340	605	335	600	2.5%	6.8%	12.1%	6.2%	10.6%	6.1%	10.5%	0	240	572	208	473	203	468
% CT of HV											0.0%	64.6%	81.3%	61.3%	78.2%	60.7%	78.1%									64.6%	81.3%				
Night (10pm-7am)	1139	14	15	1168	1168	1168	1214	1237	1232	1321	29	29	29	75	98	93	182	2.5%	2.5%	2.5%	6.2%	7.9%	7.6%	13.8%	0	0	0	46	69	64	153
% CT of HV											0.0%	0.0%	0.0%	61.3%	70.4%	68.8%	84.1%									61.3%	70.4%				

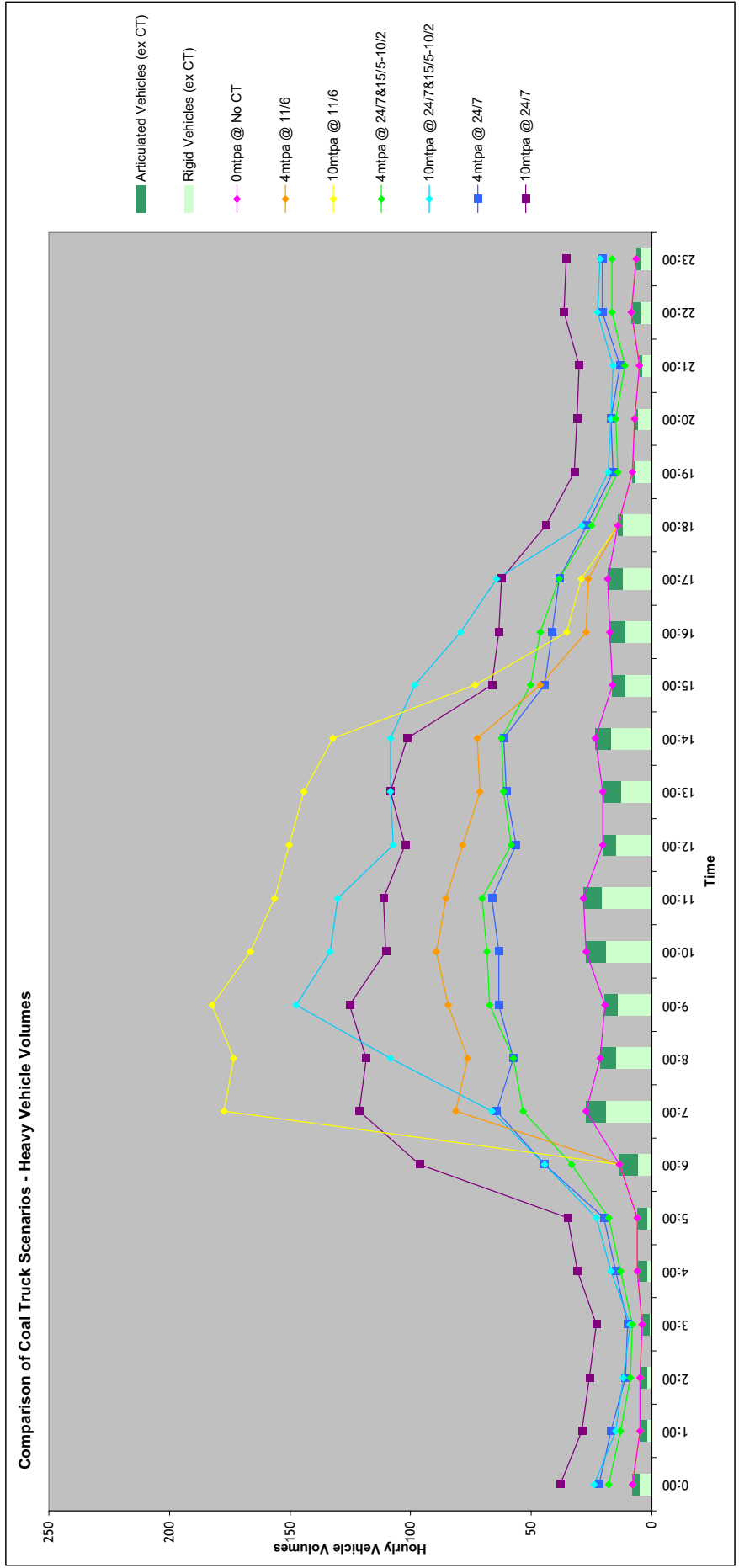
2013 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corral St



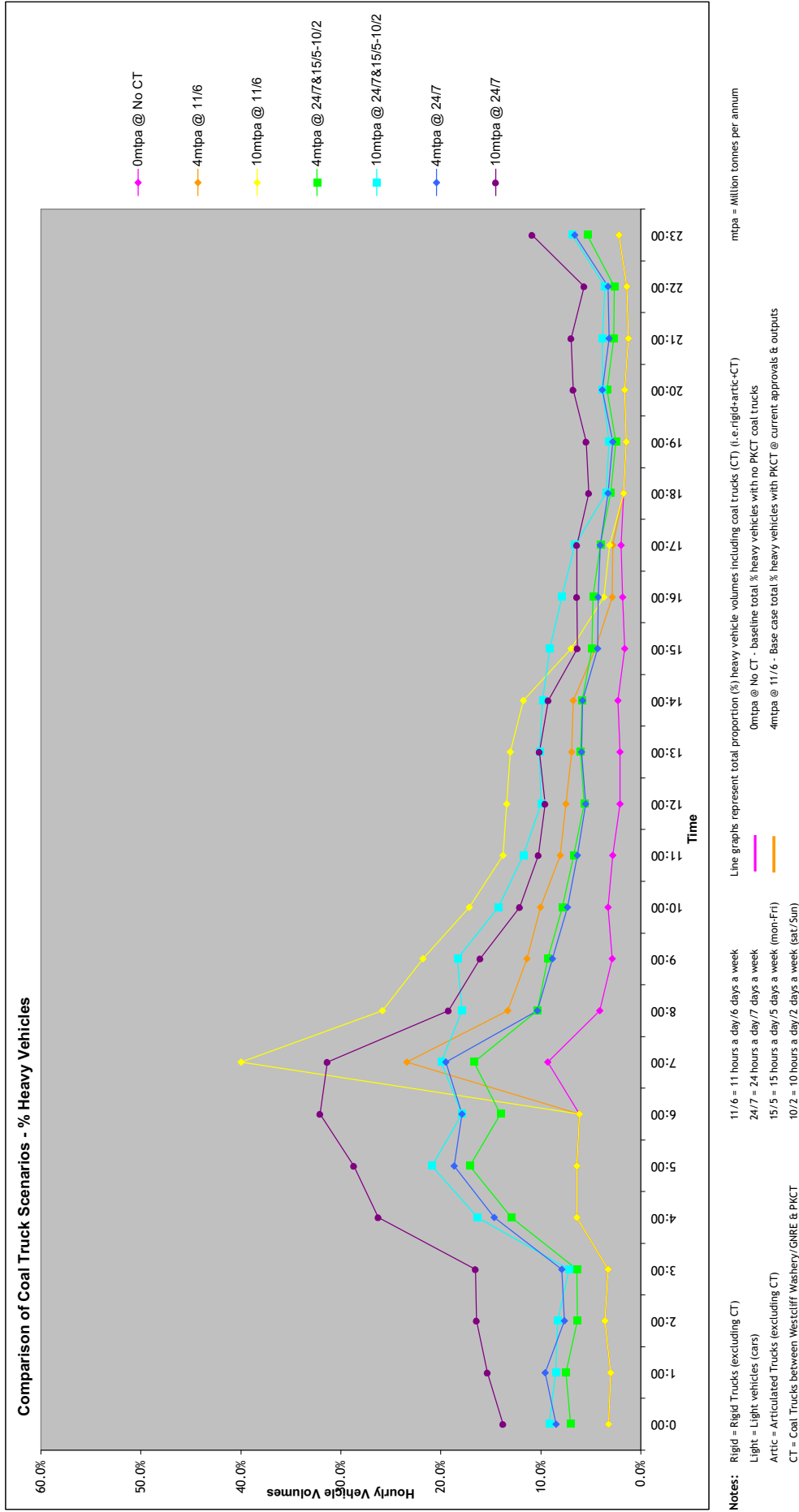
2013 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corral St



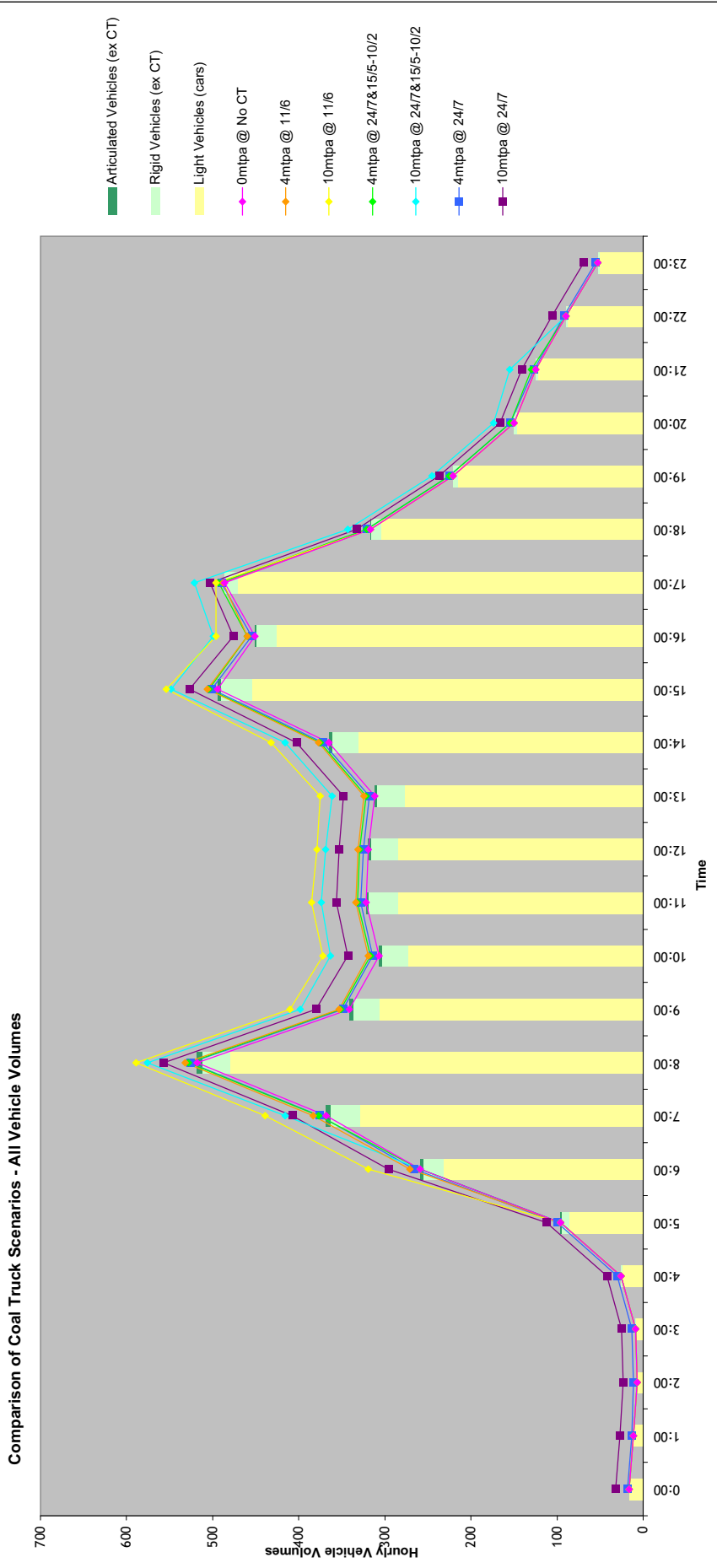
2013 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corral St



2013 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

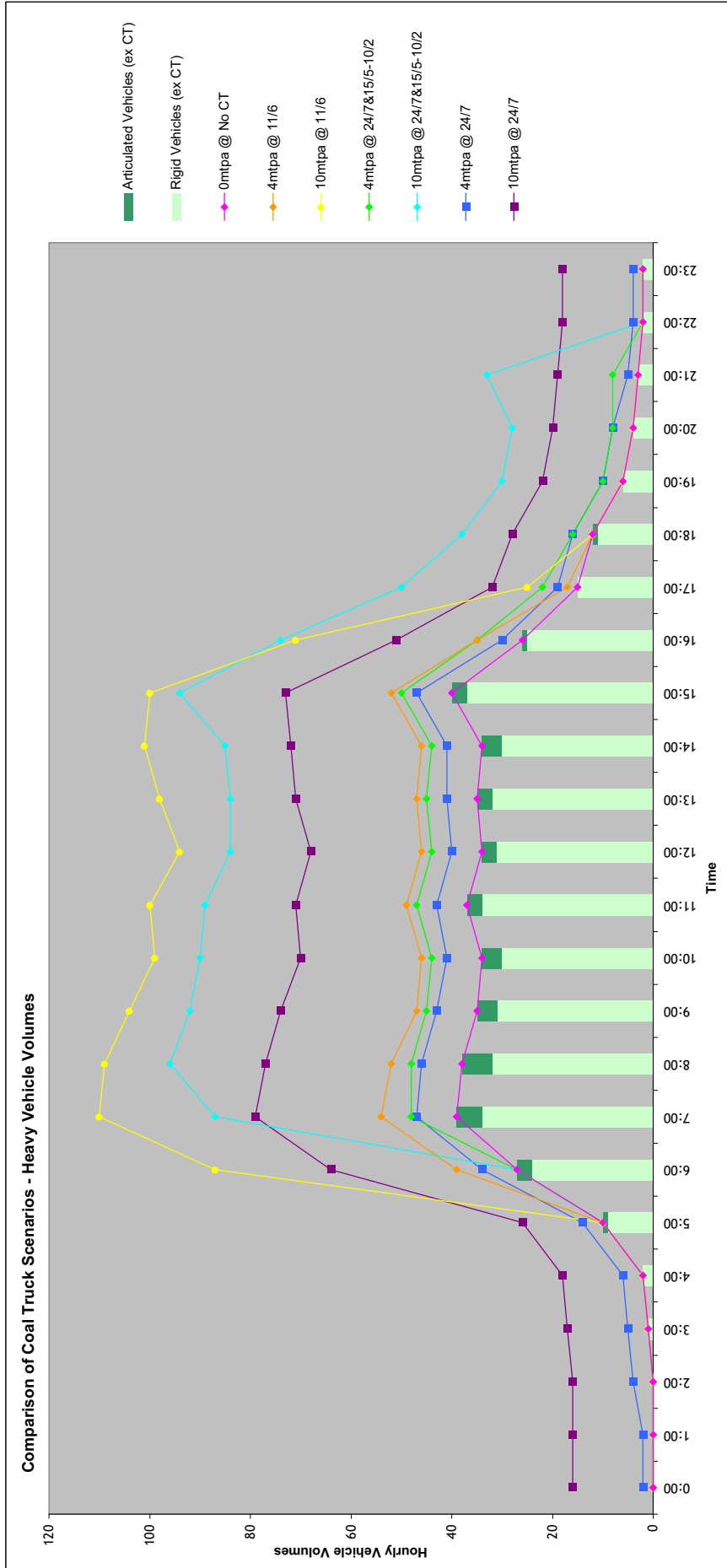
Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid+artic-CT)

mtpa = Million tonnes per annum

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2013 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

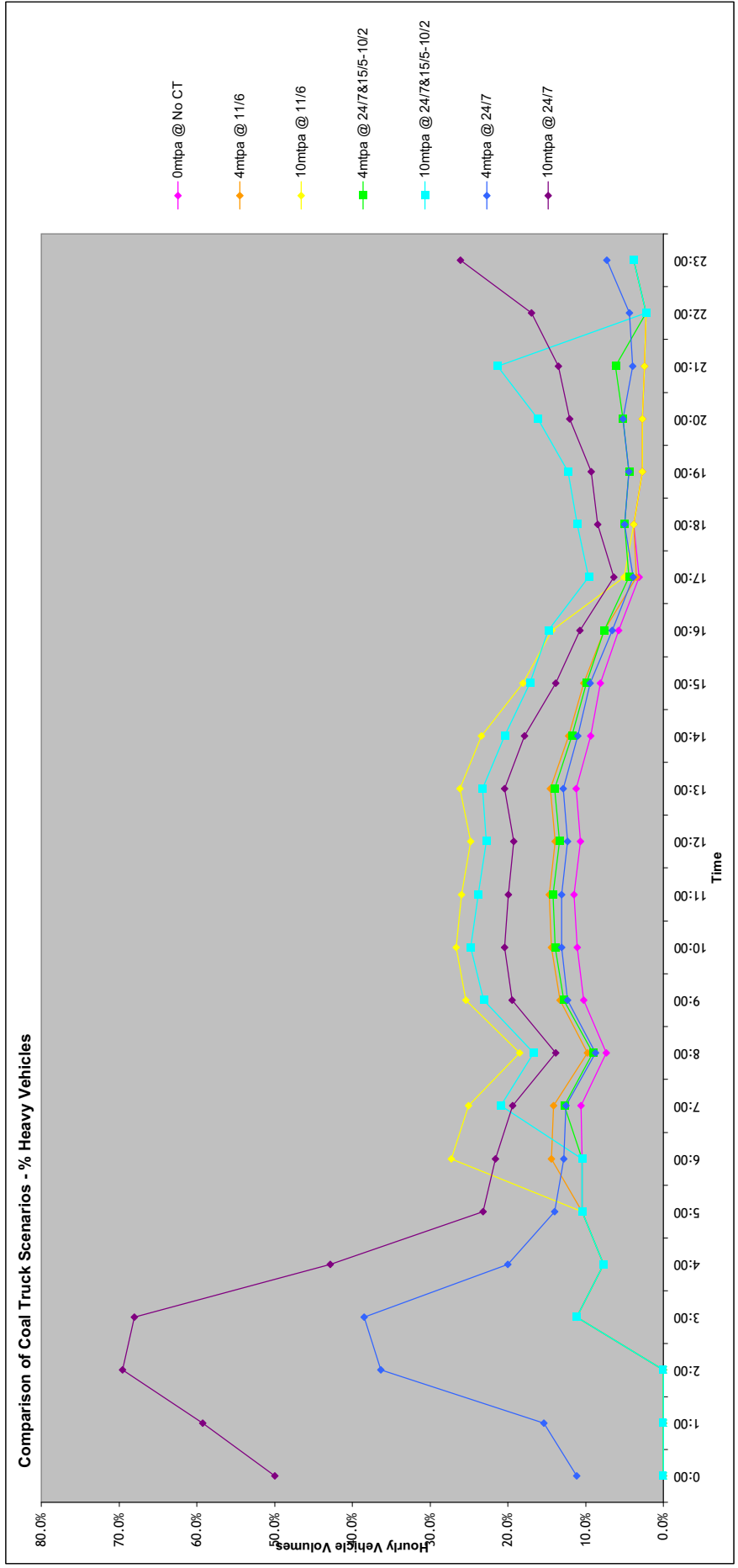
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff Washery/GNRE & PKCT

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

mtpa = Million tonnes per annum

2013 Average Weekend 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

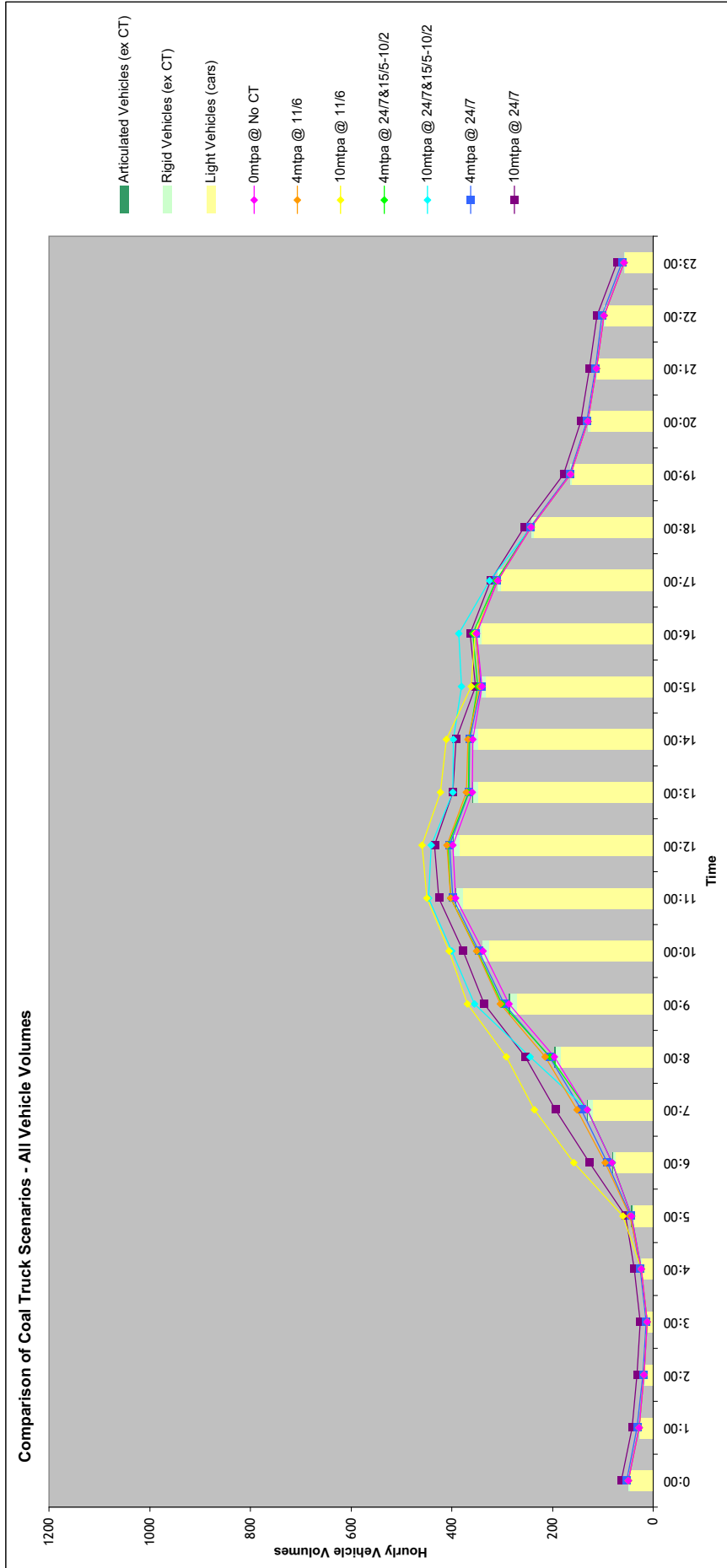
Direction	2013 Average Weekend																														
	Total Vehicles Including Coal Trucks												Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks					Coal Trucks Only							
	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J				
Time	Base Volumes			Total Heavy Vehicles Including Coal Trucks																				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only			
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	
	1964	57	5	2026	2093	2378	2070	2249	2083	2328	62	129	414	106	285	119	364	3.1%	6.2%	17.4%	5.1%	12.7%	5.7%	15.6%	0	67	352	44	223	57	302
% CT of HV																															
Day (6am-10pm)	1793	50	4	1847	1903	2140	1891	2070	1886	2065	54	110	347	98	277	93	272	2.9%	5.8%	16.2%	5.2%	13.4%	4.9%	13.2%	0	56	293	44	223	39	218
% CT of HV																															
Night (10pm-7am)	171	7	1	179	190	238	179	179	197	263	8	19	67	8	8	26	92	4.5%	10.0%	28.2%	4.5%	13.2%	35.0%	0	11	59	0	0	18	84	
% CT of HV																															

2013 Average Weekend
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																			
	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only											
	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
Light Vehicles (cars)	25	1	0	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	3.8%	3.8%	3.8%	3.8%	3.8%	3.8%	0	0	0	0	0	0	0	0	0	0	0	0
Rigid Vehicles (ex CT)	9	1	0	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0
Articulated Vehicles (ex CT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0
	14	2	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	0	0	0	0	0	0	0	0	0	0	0	0
	21	1	1	23	24	29	23	23	23	23	24	29	2	2	2	2	3	8	8.7%	12.5%	12.5%	17.6%	8.7%	8.7%	0	0	0	0	0	0	0	0	0	0	0	0
	42	4	1	47	52	76	47	47	47	47	51	64	5	10	34	5	9	22	10.6%	19.2%	44.7%	10.6%	17.6%	34.4%	0	5	29	0	0	0	0	5	29	0	0	0
	67	6	1	74	84	125	74	74	74	74	80	105	7	17	58	7	13	38	9.5%	20.2%	46.4%	9.5%	16.3%	36.2%	0	10	51	0	0	0	0	10	51	0	0	0
	88	6	2	96	105	146	99	112	101	126	8	17	58	11	24	13	38	8.3%	16.2%	39.7%	11.1%	21.4%	12.9%	0	9	50	1	3	16	0	9	50	1	3	16	
	131	7	1	139	148	182	146	173	144	165	8	17	51	15	42	13	34	5.8%	11.5%	28.0%	10.3%	24.3%	9.0%	0	9	43	7	34	5	0	9	43	7	34	5	
	165	7	0	172	179	208	178	204	177	193	7	14	43	13	39	12	28	4.1%	7.8%	20.7%	7.3%	19.1%	6.8%	0	7	36	6	32	5	0	7	36	6	32	5	
	191	8	0	199	204	228	204	227	202	216	8	13	37	13	36	11	25	4.0%	6.4%	16.2%	6.4%	15.9%	5.4%	0	5	29	5	28	3	0	5	29	5	28	3	
	202	7	0	209	215	239	214	232	212	227	7	13	37	12	30	10	25	3.3%	6.0%	15.5%	5.6%	12.9%	4.7%	0	6	30	5	23	3	0	6	30	5	23	3	
	199	7	0	206	212	237	210	226	209	225	7	13	38	11	27	10	26	3.4%	6.1%	16.0%	5.2%	11.9%	4.8%	0	6	31	4	20	3	0	6	31	4	20	3	
	199	5	0	204	209	233	208	223	208	222	5	10	34	9	24	9	23	2.5%	4.8%	14.6%	4.3%	10.8%	4.3%	0	5	29	4	19	4	0	5	29	4	19	4	
	201	5	0	206	209	221	210	226	207	215	5	8	20	9	25	6	14	2.4%	3.8%	9.0%	4.3%	11.1%	2.9%	0	3	15	4	20	1	0	3	15	4	20	1	
	203	7	0	210	211	213	214	229	211	216	7	8	10	11	26	8	13	3.3%	3.8%	4.7%	5.1%	11.4%	3.8%	0	1	3	4	19	1	0	1	3	4	19	1	
	174	5	0	179	179	179	181	191	180	186	5	5	7	7	17	6	12	2.8%	2.8%	2.8%	3.9%	8.9%	3.3%	0	0	0	0	2	12	0	0	0	0	2	12	
	132	3	0	135	135	135	135	135	135	136	142	3	3	3	3	4	10	2.2%	2.2%	2.2%	2.2%	2.2%	2.9%	0	0	0	0	0	0	0	0	0	0	0	0	
	88	2	0	90	90	90	90	90	90	91	97	2	2	2	2	3	9	2.2%	2.2%	2.2%	2.2%	2.2%	3.3%	0	0	0	0	0	0	0	0	0	0	0	0	
	70	3	0	73	73	73	73	73	73	74	80	3	3	3	4	10	4.1%	4.1%	4.1%	4.1%	4.1%	5.4%	0	0	0	0	0	0	0	0	0	0	0	0		
	67	1	0	68	68	68	68	68	68	69	75	1	1	1	1	2	8	1.5%	1.5%	1.5%	1.5%	1.5%	2.9%	0	0	0	0	0	0	0	0	0	0	0	0	
	53	2	0	55	55	55	55	55	55	57	62	2	2	2	2	4	9	3.6%	3.6%	3.6%	3.6%	3.6%	7.0%	0	0	0	0	0	0	0	0	0	0	0	0	
	33	1	0	34	34	34	34	34	34	34	36	4	1	1	1	3	8	2.9%	2.9%	2.9%	2.9%	2.9%	8.3%	0	0	0	0	0	0	0	0	0	0	0	0	
Daily	2395	91	6	2492	2559	2844	2536	2715	2549	2794	97	164	449	141	320	154	399	3.9%	6.4%	15.8%	5.6%	11.8%	6.0%	0	67	352	44	223	57	302						
% CT of HV																																				
Day (6am-10pm)	2177	4	0	2260	2321	2577	2304	2483	2301	2490	83	144	400	127	306	124	313	3.7%	6.2%	15.5%	5.5%	12.3%	5.4%	0	61	317	44	223	41	230						
% CT of HV																																				
Night (10pm-7am)	218	12	2	232	238	267	232	232	248	304	14	20	49	14	14	30	86	6.0%	8.4%	18.4%	6.0%	6.0%	12.1%	0	6	35	0	0	16	72						
% CT of HV																																				

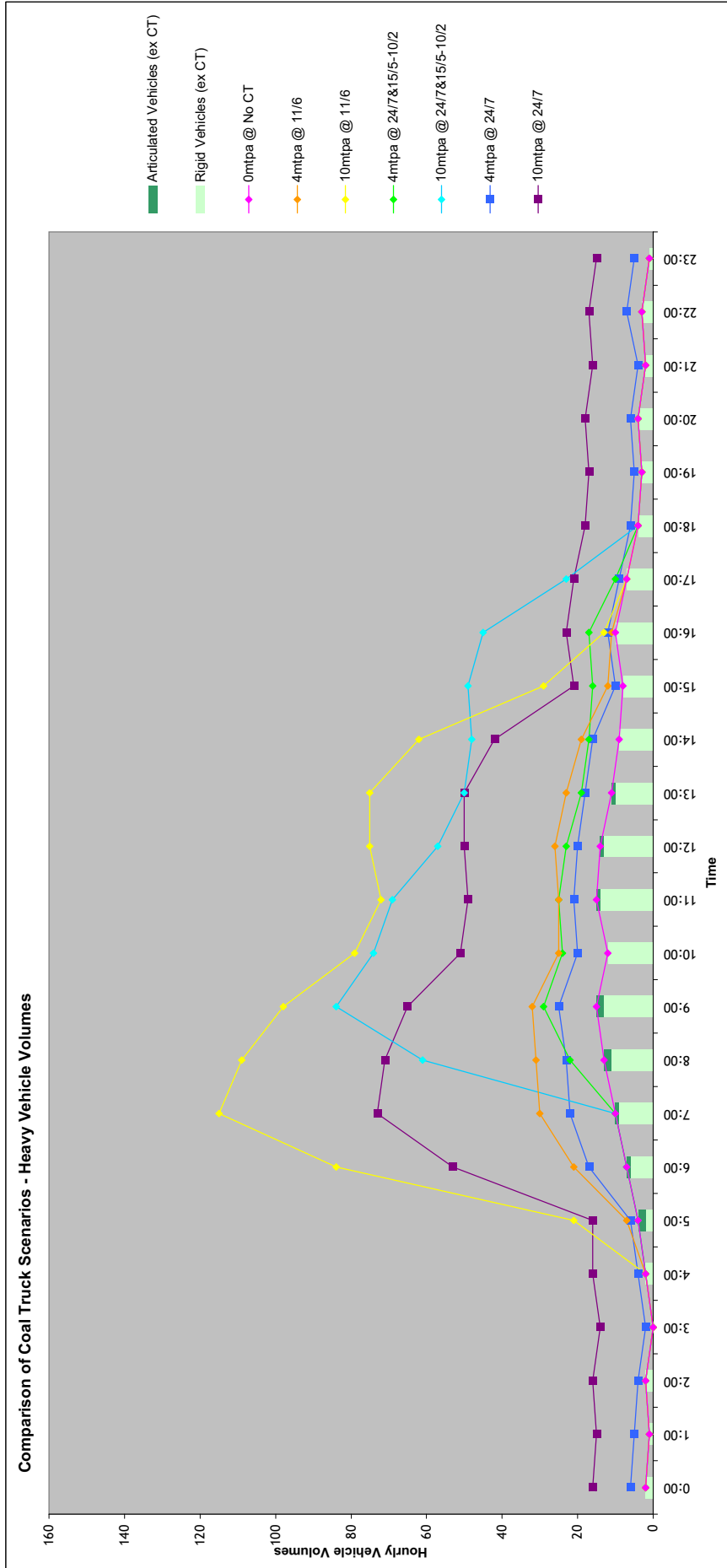
2013 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



2013 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff Washery/GNRE & PKCT

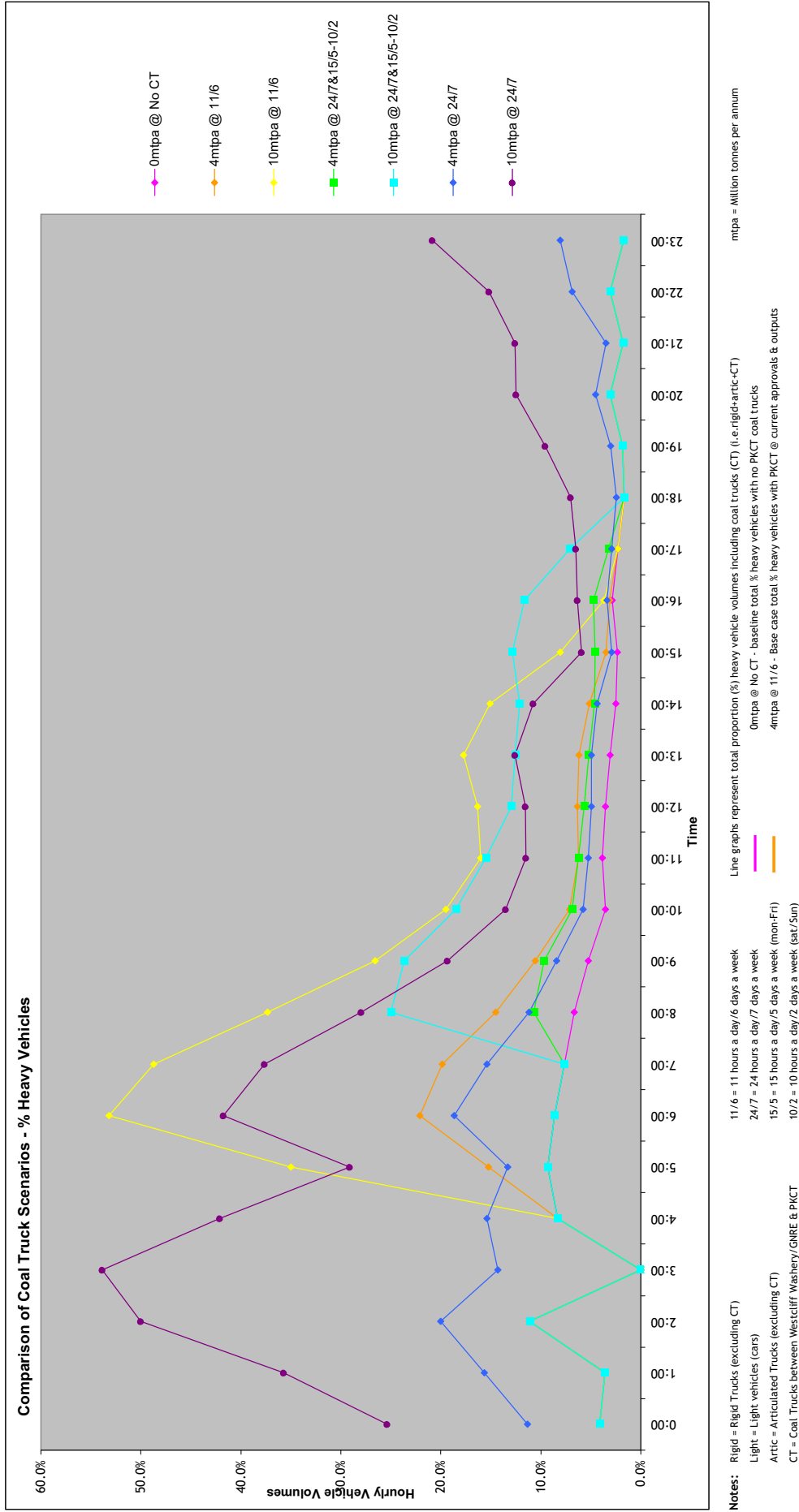
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic-CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

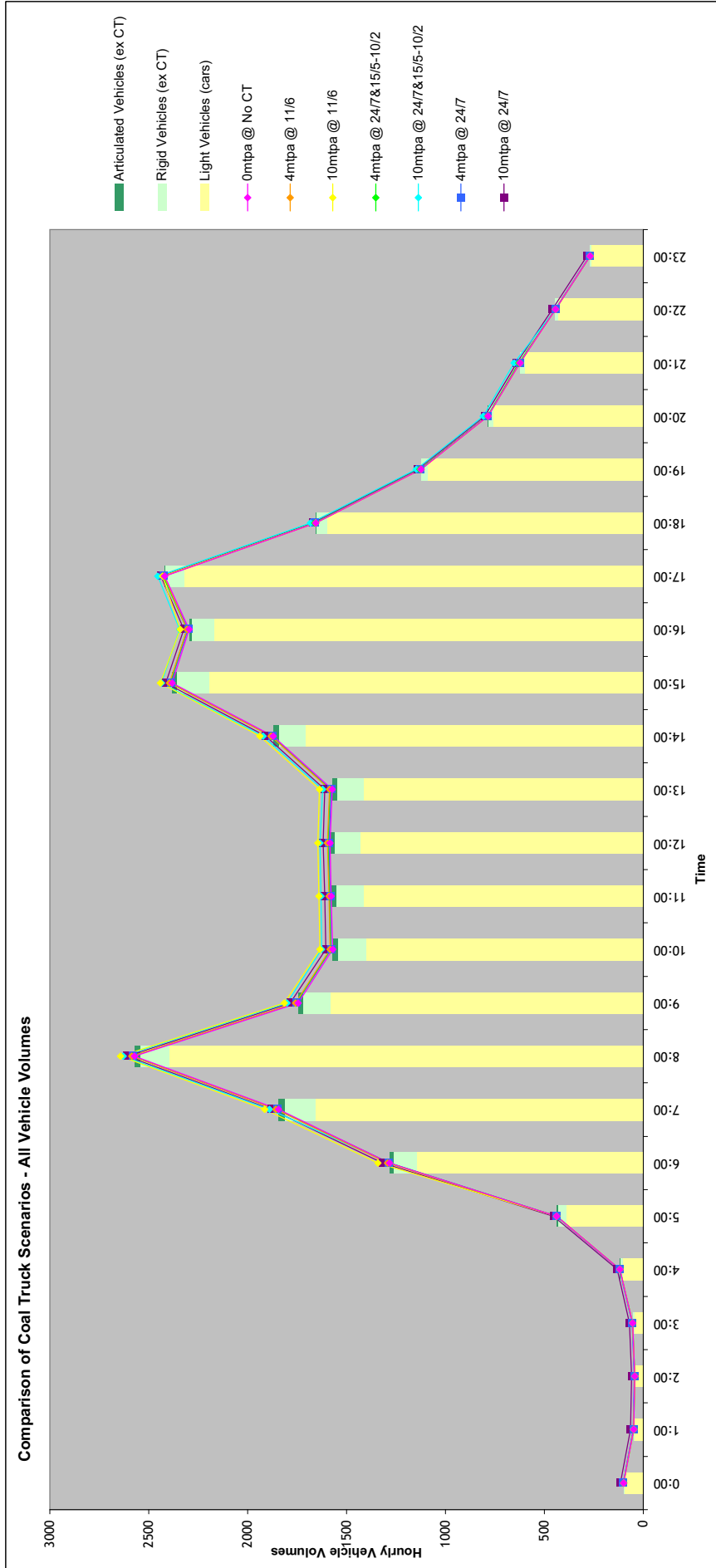
2013 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



2013 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



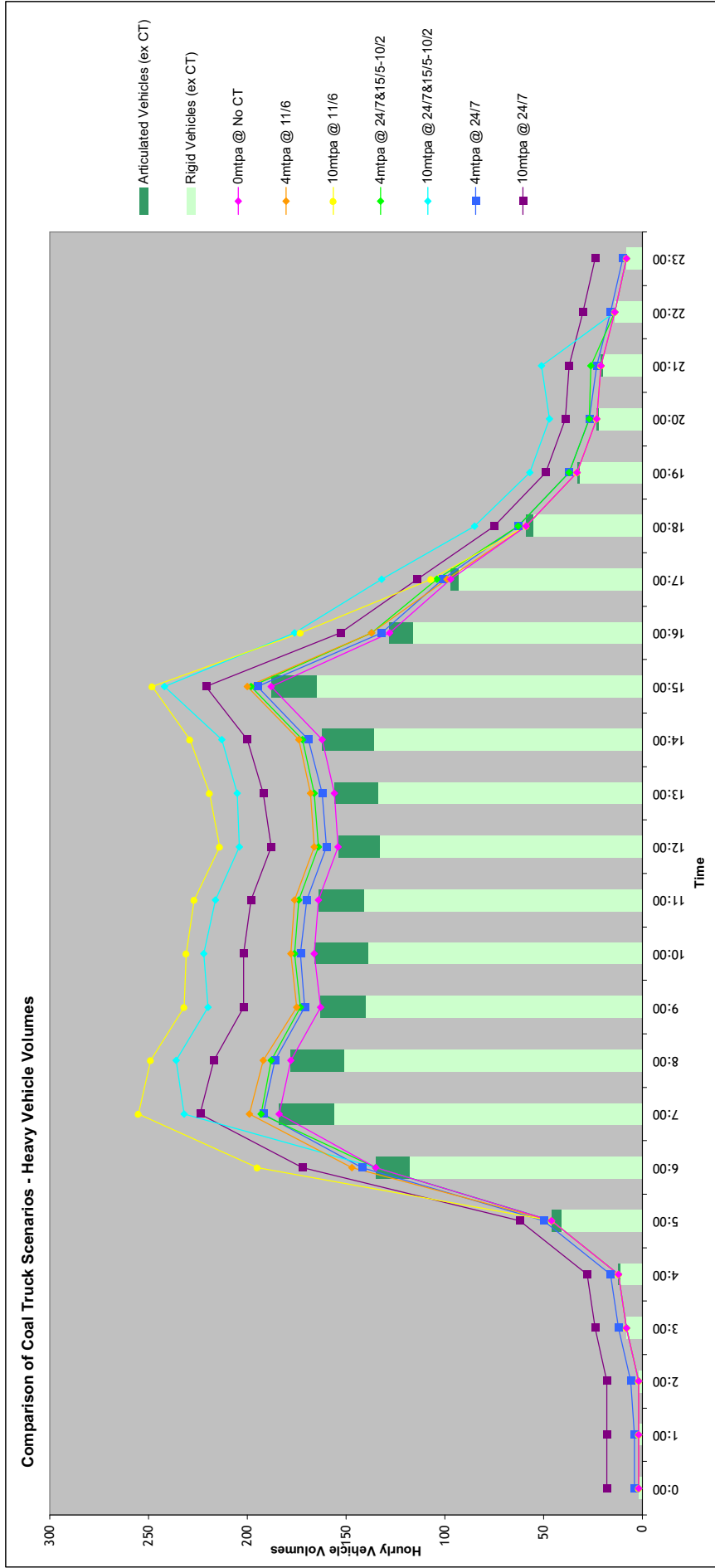
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GHEE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



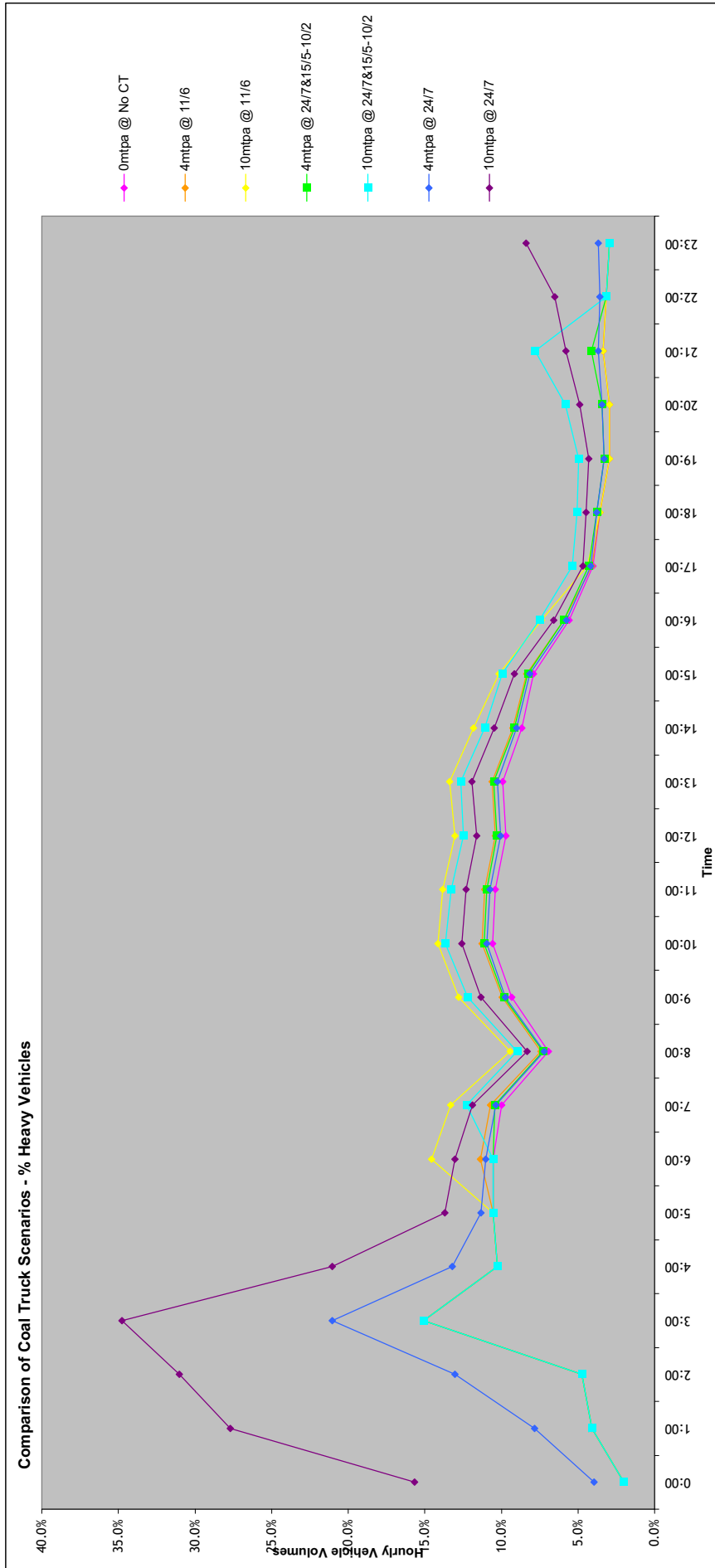
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff Washery/GHEE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
- Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
- 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2013 Average Weekday

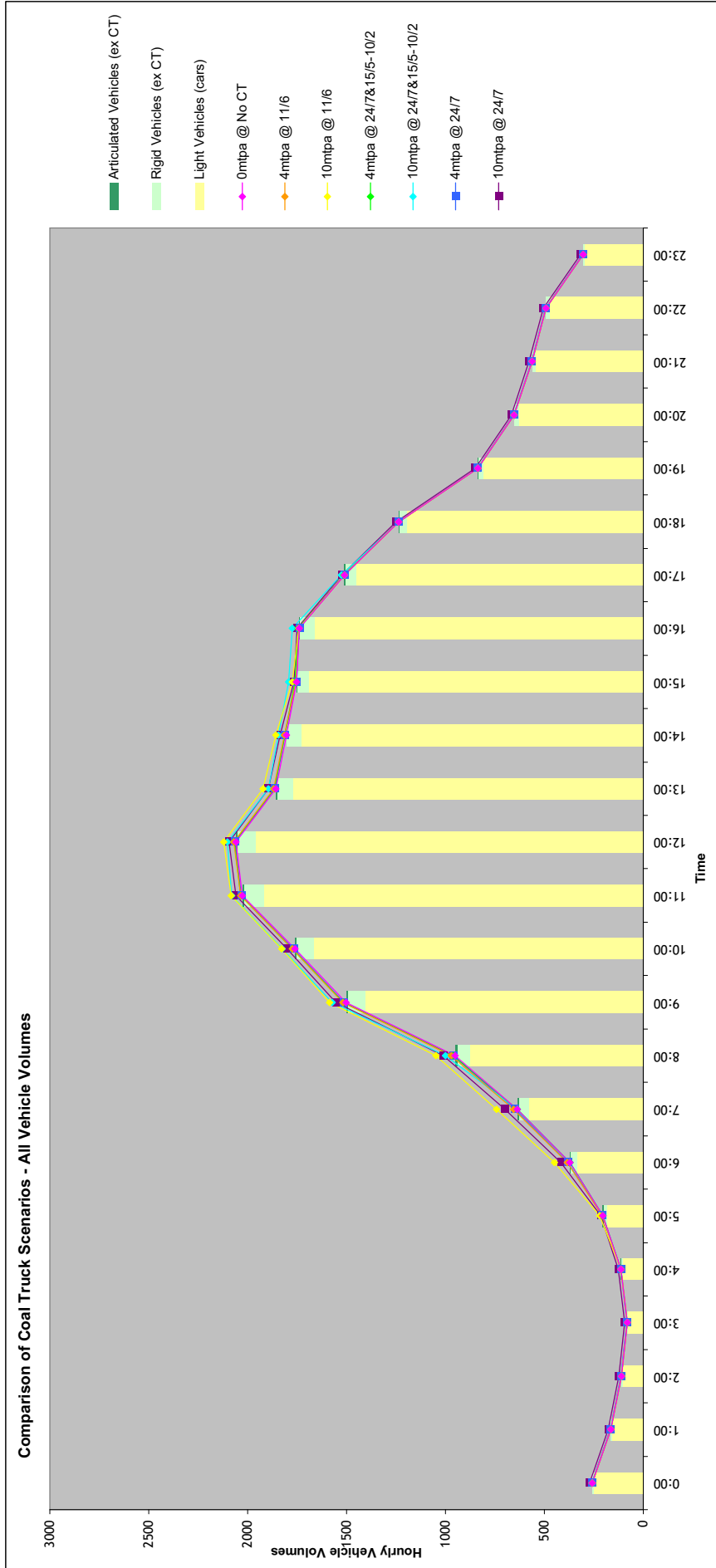
8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Direction	2013 Average Weekend																			
	8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																			
Time	Base Volumes						Total Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks							
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	No CT	A	B	No CT	A	B	No CT	A	B	No CT	A	B	No CT		
0:00	105	2	0	107	107	107	2	2	2	2	2	4	9	1.9%	1.9%	1.9%	0	0	0	
1:00	72	4	0	76	76	76	4	4	4	4	4	6	11	5.3%	5.3%	5.3%	0	0	0	
2:00	44	2	0	46	46	46	2	2	2	2	2	3	9	4.3%	4.3%	4.3%	0	0	0	
3:00	31	1	0	32	32	32	1	1	1	1	1	2	8	3.1%	3.1%	3.1%	0	0	0	
4:00	44	1	1	46	46	46	2	2	2	2	2	3	9	4.3%	4.3%	4.3%	0	0	0	
5:00	97	6	2	105	107	116	105	105	106	111	8	10	19	7.9%	9.3%	16.4%	7.6%	8.5%	12.6%	
6:00	186	9	0	195	204	243	195	195	201	224	9	18	57	8.8%	23.5%	4.6%	4.6%	7.5%	17.0%	
7:00	316	15	4	335	345	389	335	335	341	367	19	29	73	5.7%	8.4%	18.8%	5.7%	7.3%	13.9%	
8:00	551	19	2	572	581	618	578	604	577	600	21	30	67	27	53	26	49	3.7%	5.2%	10.8%
9:00	881	24	5	910	918	950	917	945	915	934	29	37	69	36	64	34	53	3.2%	4.0%	7.3%
10:00	975	27	2	1004	1010	1035	1010	1034	1007	1022	29	35	60	35	59	32	47	2.6%	3.5%	5.8%
11:00	1091	26	2	1119	1124	1147	1124	1145	1122	1136	28	33	56	33	54	31	45	2.5%	2.9%	4.9%
12:00	1028	21	4	1053	1059	1084	1057	1073	1056	1071	25	31	56	29	45	28	43	2.4%	2.9%	5.2%
13:00	862	17	4	883	889	916	887	902	887	903	21	27	54	25	40	25	41	2.4%	3.0%	5.9%
14:00	820	12	0	832	837	856	836	852	835	847	12	17	36	16	32	15	27	1.4%	2.0%	4.2%
15:00	751	11	1	763	764	769	767	784	764	767	12	13	18	16	33	13	16	1.6%	1.7%	2.3%
16:00	741	14	1	756	756	756	759	772	757	763	15	15	15	18	31	16	22	2.0%	2.0%	2.4%
17:00	692	7	1	700	700	700	701	704	701	707	8	8	8	9	12	9	15	1.1%	1.1%	1.3%
18:00	612	6	0	618	618	618	618	618	619	625	6	6	6	6	6	7	13	1.0%	1.0%	1.0%
19:00	404	2	1	407	407	407	407	407	408	414	3	3	3	3	4	10	0.7%	0.7%	0.7%	
20:00	304	4	0	308	308	308	308	308	309	315	4	4	4	4	4	5	11	1.3%	1.3%	1.3%
21:00	226	4	1	231	231	231	231	231	232	238	5	5	5	5	5	6	12	2.2%	2.2%	2.2%
22:00	212	4	0	216	216	216	216	216	218	223	4	4	4	4	4	6	11	1.9%	1.9%	1.9%
23:00	116	2	0	118	118	118	118	118	120	125	2	2	2	2	2	4	9	1.7%	1.7%	1.7%
Daily	11161	240	31	11432	11499	11784	11476	11655	11489	11734	271	338	623	315	494	328	573	2.4%	2.9%	5.3%
% CT of HV																				
Day (6am-10pm)	10254	209	28	10491	10547	10784	10535	10714	10530	10709	237	293	530	281	460	276	495	2.3%	2.8%	4.9%
% CT of HV																				
Night (10pm-7am)	907	31	3	941	952	1000	941	941	941	959	34	45	93	34	34	52	118	3.6%	4.7%	9.3%
% CT of HV																				

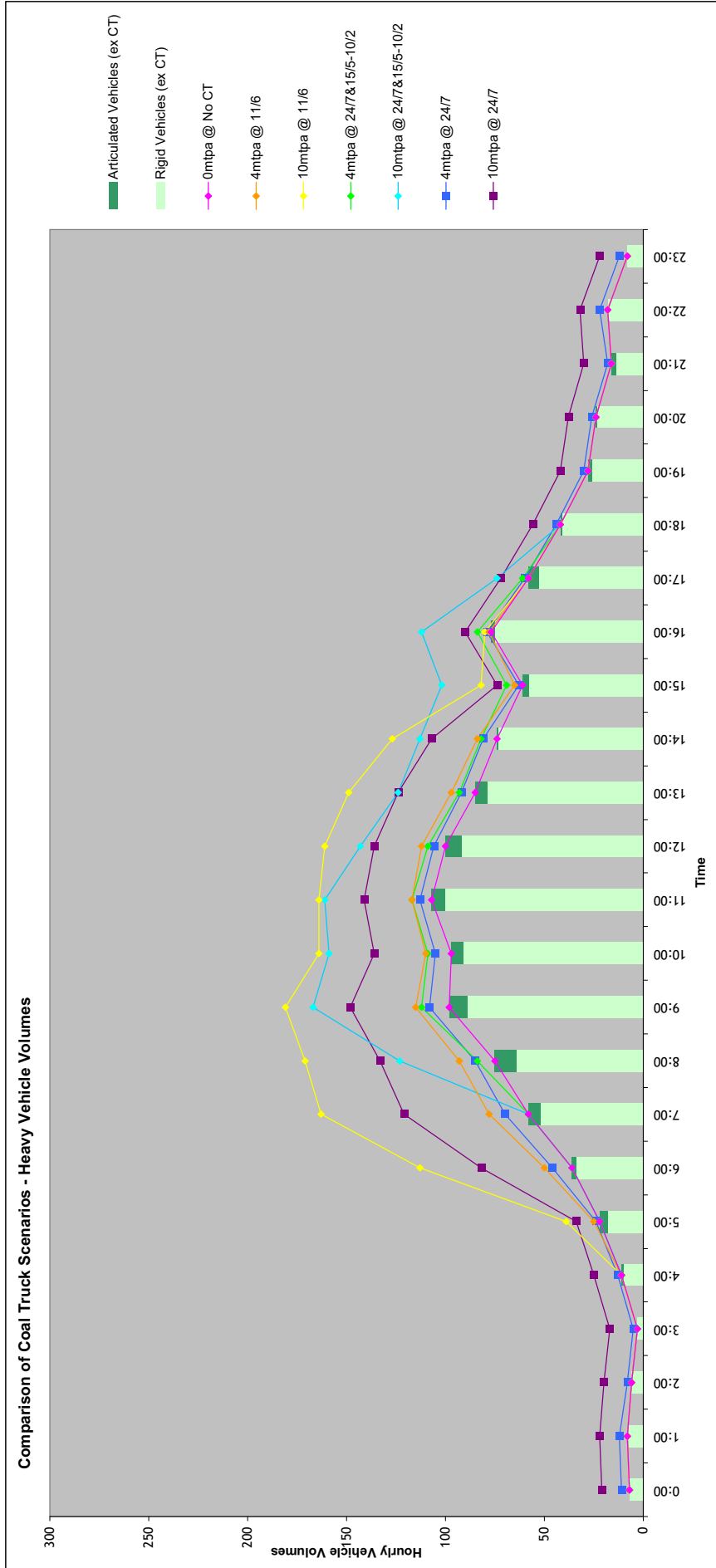
2013 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



2013 Average Weekend

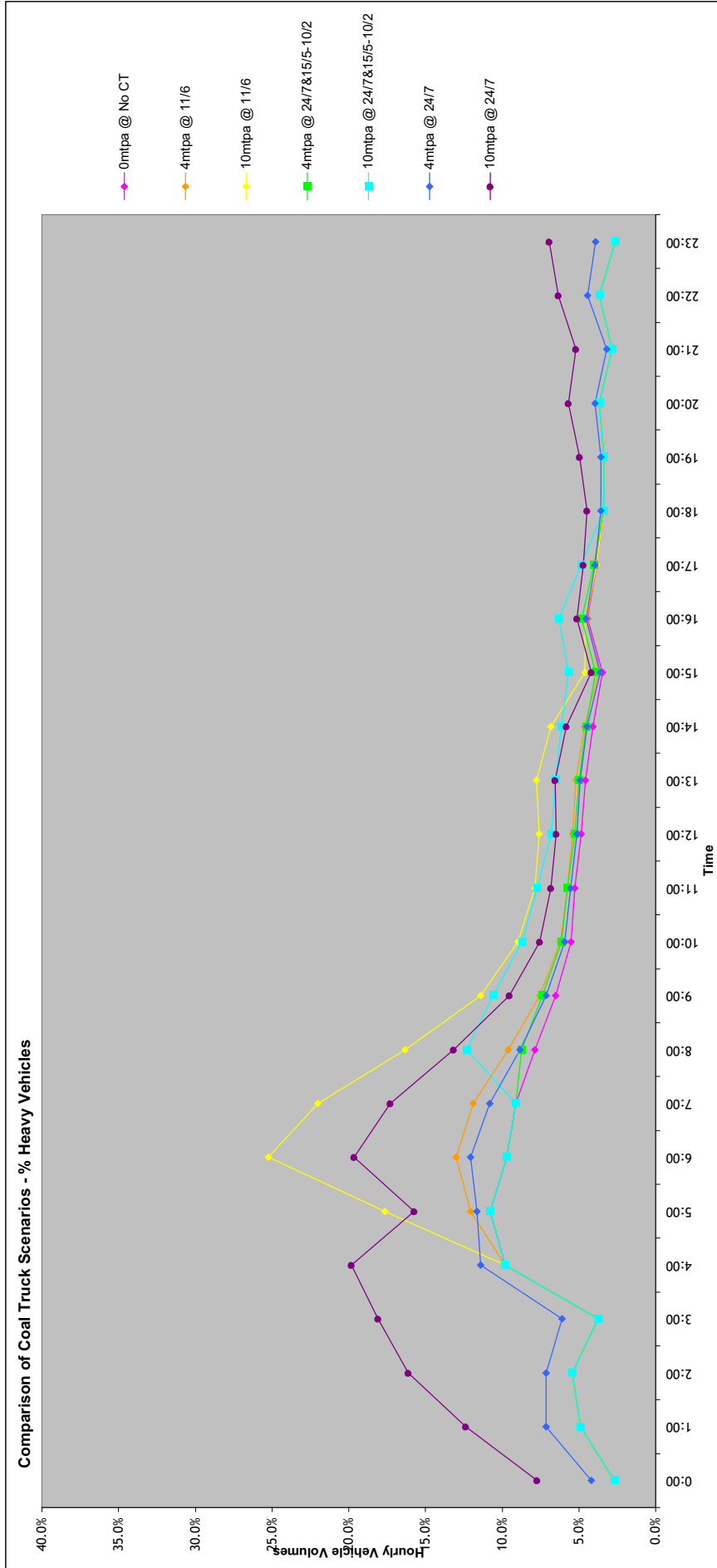
8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westciff Washery/GNRE & PKCT

2013 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff Washery/GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

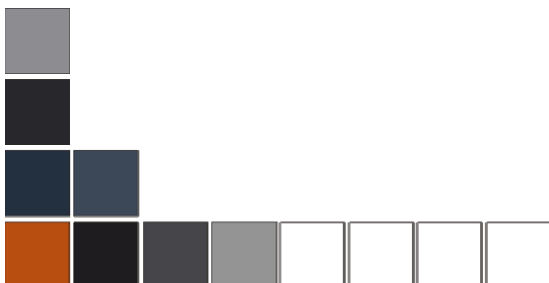
mtpa = Million tonnes per annum

Appendix Z

Traffic Volume

Scenarios

2018



This page intentionally left blank

2018 Average Weekday
1. Appin Road, North of Princes Highway

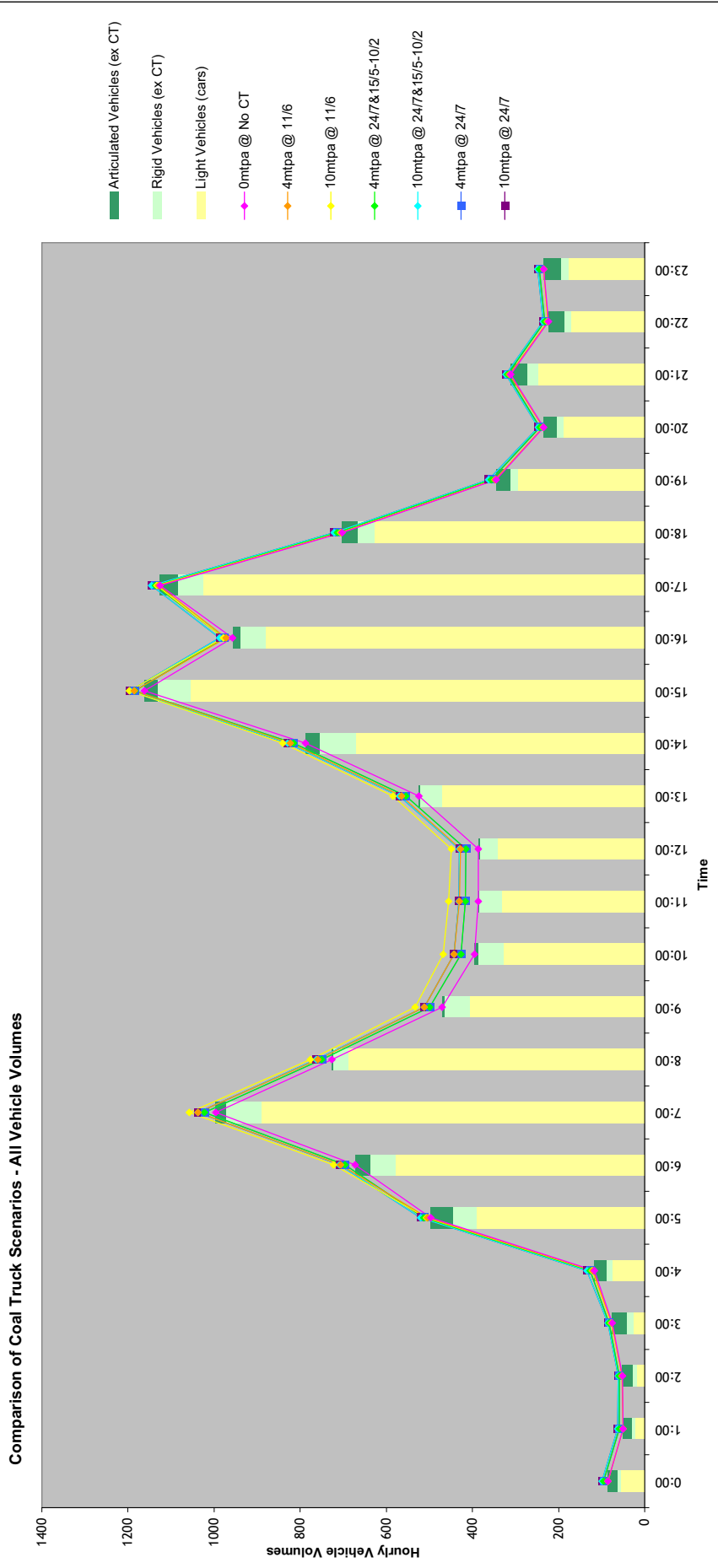
Direction	Time	Total Vehicles Including Coal Trucks														% Heavy Vehicles Including Coal Trucks														Coal Trucks Only													
		Base Volumes							Total Heavy Vehicles Including Coal Trucks							Total Heavy Vehicles Including Coal Trucks							% Heavy Vehicles Including Coal Trucks							Coal Trucks Only													
		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J							
Southbound (to PKT)	0:00	34	4	9	47	47	54	52	54	52	54	54	52	54	13	13	18	20	18	20	27.7%	27.7%	34.6%	37.0%	34.6%	37.0%	0	0	0	5	7	5	7										
	1:00	13	4	12	29	29	33	33	35	33	35	35	33	35	16	16	20	22	20	22	55.2%	55.2%	60.6%	62.9%	60.6%	62.9%	0	0	0	4	6	4	6										
	2:00	8	4	12	24	25	27	28	27	28	27	28	27	28	17	17	19	20	19	20	66.7%	68.0%	70.4%	71.4%	70.4%	71.4%	0	1	1	3	4	3	4										
	3:00	12	5	10	27	28	29	31	33	31	33	33	31	33	22	22	23	27	31	27	55.6%	57.1%	58.6%	61.3%	61.3%	63.6%	0	1	2	4	6	4	6										
	4:00	22	6	14	42	44	45	49	53	49	53	53	49	53	20	22	23	27	31	27	47.6%	50.0%	51.1%	55.1%	55.1%	58.5%	0	2	3	7	11	7	11										
	5:00	46	18	33	97	102	104	106	111	106	111	106	111	106	51	56	58	60	65	60	52.6%	54.9%	55.8%	56.6%	56.6%	58.6%	0	3	7	9	14	9	14										
	6:00	183	28	10	221	251	266	237	245	237	245	237	245	237	68	83	83	54	62	54	62	17.2%	17.1%	31.2%	22.8%	25.3%	22.8%	0	30	45	16	24	16	24									
	7:00	267	31	1	299	316	325	312	319	312	319	312	319	312	32	49	58	45	52	45	52	10.7%	15.5%	17.8%	14.4%	16.3%	14.4%	0	17	26	13	20	13	20									
	8:00	313	30	4	347	365	374	361	368	361	368	361	368	361	34	52	61	48	55	48	55	9.8%	14.2%	16.3%	13.3%	14.9%	16.3%	0	18	27	14	21	14	21									
	9:00	198	33	6	237	260	272	251	258	251	258	251	258	251	39	62	74	53	60	53	60	16.5%	23.8%	27.2%	21.1%	23.3%	21.1%	0	23	35	14	21	14	21									
	10:00	174	30	5	209	230	242	223	230	223	230	223	230	223	35	56	68	49	56	49	56	16.7%	24.3%	28.1%	22.0%	24.3%	22.0%	0	21	33	14	21	14	21									
	11:00	158	26	1	185	208	221	201	209	201	209	201	209	201	50	63	43	51	43	51	14.6%	24.0%	28.5%	21.4%	24.4%	21.4%	0	23	36	16	24	16	24										
	12:00	156	18	0	174	192	201	187	194	187	194	187	194	187	18	36	45	31	38	31	38	10.3%	18.8%	22.4%	16.6%	19.6%	16.6%	0	18	27	13	20	13	20									
	13:00	188	33	5	226	246	256	241	249	241	249	241	249	241	38	58	68	53	61	53	61	16.8%	23.6%	26.6%	22.0%	24.5%	22.0%	0	20	30	15	23	15	23									
	14:00	396	58	33	487	503	511	499	505	499	505	499	505	499	91	107	115	103	109	103	109	18.7%	21.3%	22.5%	20.6%	21.6%	20.6%	0	16	24	12	18	12	18									
	15:00	755	42	26	823	830	833	833	838	833	838	833	838	833	68	75	78	78	83	78	83	8.3%	9.0%	9.4%	9.9%	9.4%	9.9%	0	7	10	10	15	10	15									
	16:00	565	24	9	598	603	605	607	612	607	612	607	612	607	33	38	40	42	42	47	42	5.5%	6.3%	6.6%	6.9%	7.7%	6.9%	0	5	7	9	14	9	14									
	17:00	732	35	38	805	806	807	811	815	811	815	811	815	811	73	74	75	79	83	79	83	9.1%	9.2%	9.3%	9.7%	10.2%	9.7%	0	1	2	6	10	6	10									
	18:00	457	28	32	517	517	517	521	524	521	524	521	524	521	60	60	60	64	67	64	67	11.6%	11.6%	12.3%	12.8%	12.3%	12.8%	0	0	0	4	7	4	7									
	19:00	209	13	21	243	244	244	248	250	248	250	248	250	248	34	35	35	39	41	39	41	14.0%	14.3%	14.3%	15.7%	16.4%	15.7%	0	1	1	5	7	5	7									
	20:00	109	6	15	130	131	131	134	136	134	136	134	136	134	21	22	22	25	27	25	27	16.2%	16.8%	16.8%	18.7%	19.9%	18.7%	0	1	1	4	6	4	6									
	21:00	105	13	26	144	145	146	148	150	148	150	148	150	148	39	40	41	43	45	43	45	27.1%	27.6%	28.1%	29.1%	30.0%	29.1%	0	1	2	4	6	4	6									
22:00	108	10	28	146	147	147	151	153	151	153	151	153	151	38	39	39	43	45	43	45	26.0%	26.5%	26.5%	28.5%	29.4%	28.5%	0	1	1	5	7	5	7										
23:00	144	10	30	184	184	184	189	191	189	191	189	191	189	40	40	40	45	47	45	47	21.7%	21.7%	23.8%	24.6%	23.8%	24.6%	0	0	0	5	7	5	7										
Daily	5352	509	380	6241	6453	6561	6452	6560	6452	6560	6452	6560	6452	889	1101	1209	1100	1208	1100	1208	14.2%	17.1%	18.4%	17.0%	18.4%	17.0%	0	212	320	211	319	211	319										
% CT of HV	4782	420	222	5424	5596	5685	5577	5657	5577	5657	5577	5657	5577	642	814	903	795	875	795	875	0.0%	19.3%	26.5%	19.2%	26.4%	19.2%	0	172	261	153	233	153	233										
% CT of HV	570	89	158	817	857	876	875	903	875	903	875	903	875	247	287	306	305	333	305	333	0.0%	13.9%	34.9%	19.2%	26.6%	19.2%	0	40	59	58	86	58	86										
% CT of HV																						0.0%	13.9%	19.0%	25.8%	19.0%	25.8%	0	40	59	58	86	58	86									

2018 Average Weekday
 1. Appin Road, North of Princes Highway

Direction	Base Volumes	Total Vehicles Including Coal Trucks																		% Heavy Vehicles Including Coal Trucks																		Coal Trucks Only																	
		Total Heavy Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only																							
		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J																			
	Light Vehicles (cars)	56	7	22	85	85	55	55	99	99	95	99	29	29	29	39	43	39	43	34.1%	34.1%	41.1%	41.1%	43.4%	41.1%	43.4%	41.1%	43.4%	0	0	0	0	14	10	14																				
	Rigid Vehicles (ex CT)	21	8	21	50	50	59	63	63	59	63	29	29	29	38	42	38	42	58.0%	58.0%	64.4%	64.4%	66.7%	64.4%	66.7%	64.4%	66.7%	0	0	0	0	9	13	9																					
	Articulated Vehicles (ex CT)	19	9	24	52	53	59	62	62	59	62	33	34	40	43	40	43	63.5%	64.2%	67.8%	67.8%	69.4%	67.8%	69.4%	67.8%	69.4%	0	1	1	1	7	10	7																						
0:00		28	13	34	75	77	83	85	85	83	85	47	49	50	55	57	55	57	62.7%	63.6%	64.1%	66.3%	67.1%	66.3%	67.1%	66.3%	0	2	3	5	10	17	10																						
3:00		75	14	28	117	120	127	134	127	134	127	134	42	45	47	52	59	52	59	35.9%	37.5%	38.5%	40.9%	44.0%	40.9%	44.0%	0	3	5	10	16	24	16																						
4:00		390	55	52	497	504	507	513	521	513	521	107	114	117	123	131	131	123	21.5%	22.6%	23.1%	24.0%	25.1%	24.0%	25.1%	0	7	10	16	24	24	37																							
5:00		579	60	33	672	706	723	696	709	696	709	93	127	144	117	130	117	130	13.8%	18.0%	19.9%	16.8%	18.3%	16.8%	18.3%	0	34	51	24	37	24	37																							
6:00		891	81	24	996	1037	1057	1023	1037	1023	1037	105	146	166	132	149	132	149	10.5%	14.1%	15.7%	12.9%	14.1%	12.9%	14.1%	0	41	61	27	41	27	41																							
7:00		688	34	4	726	759	777	750	763	750	763	38	71	89	62	75	62	75	5.2%	8.3%	11.5%	8.3%	9.8%	8.3%	9.8%	0	33	51	24	37	24	37																							
8:00		406	59	6	471	512	533	499	512	499	512	65	106	127	93	106	93	106	13.8%	20.2%	23.8%	18.6%	20.7%	18.6%	20.7%	0	41	62	28	41	28	41																							
9:00		329	58	8	395	443	468	427	443	427	443	66	114	139	98	114	98	114	16.7%	25.7%	29.7%	23.0%	25.7%	23.0%	25.7%	0	48	73	32	48	32	48																							
10:00		332	53	1	386	430	455	416	431	416	431	54	98	123	84	99	84	99	14.0%	22.8%	27.0%	20.2%	23.0%	20.2%	23.0%	0	44	69	30	45	30	45																							
11:00		342	42	3	387	428	449	415	430	415	430	45	86	107	73	88	73	88	11.6%	20.1%	23.8%	17.6%	20.5%	17.6%	20.5%	0	41	62	28	43	28	43																							
12:00		470	50	5	525	564	585	554	569	554	569	55	94	115	84	99	84	99	10.5%	16.7%	19.7%	15.2%	17.4%	15.2%	17.4%	0	39	60	29	44	29	44																							
13:00		671	84	33	788	823	841	815	829	815	829	117	152	170	144	158	144	158	14.8%	18.3%	20.2%	17.7%	19.1%	17.7%	19.1%	0	35	53	27	41	27	41																							
14:00		1054	78	30	1162	1186	1197	1184	1196	1184	1196	108	132	143	130	142	130	142	9.3%	11.1%	11.9%	11.0%	11.9%	11.0%	11.9%	0	24	35	22	34	22	34																							
15:00		881	59	17	957	972	978	977	987	977	987	76	91	97	96	106	96	106	7.9%	9.4%	9.9%	9.8%	10.7%	9.8%	10.7%	0	15	21	20	30	20	30																							
16:00		1026	58	41	1125	1129	1133	1137	1145	1137	1145	99	103	107	111	119	111	119	8.8%	9.1%	9.4%	9.8%	10.4%	9.8%	10.4%	0	4	8	12	20	12	20																							
17:00		629	37	36	702	705	706	714	721	714	721	73	76	77	85	92	85	92	10.4%	10.8%	10.9%	11.9%	12.8%	11.9%	12.8%	0	3	4	8	12	19	12																							
18:00		294	18	33	345	347	347	356	363	356	363	51	53	53	62	69	62	69	14.8%	15.3%	15.3%	17.4%	19.0%	17.4%	19.0%	0	2	2	2	11	18	11																							
19:00		190	14	30	234	236	236	243	247	243	247	44	46	46	53	57	53	57	18.8%	19.5%	19.5%	21.8%	23.1%	21.8%	23.1%	0	2	2	2	9	13	9																							
20:00		249	23	39	311	313	314	319	323	319	323	62	64	65	70	74	70	74	19.9%	20.4%	20.7%	21.9%	22.9%	21.9%	22.9%	0	2	3	8	12	8	12																							
21:00		172	15	36	223	225	226	232	236	232	236	51	53	54	60	64	60	64	22.9%	23.6%	23.9%	25.9%	27.1%	25.9%	27.1%	0	2	3	9	13	9	13																							
22:00		178	16	40	234	235	235	244	248	244	248	56	57	57	66	70	66	70	23.9%	24.3%	24.3%	27.0%	28.2%	27.0%	28.2%	0	1	1	10	14	10	14																							
23:00		9970	945	600	11515	11939	12155	11937	12153	11937	12153	1545	1969	2185	1967	2183	1967	2183	13.4%	16.5%	18.0%	16.5%	18.0%	16.5%	18.0%	0	424	640	422	638	422	638																							
% CT of HV		8452	748	310	9884	10076	9829	9996	9829	9996	9829	1058	1432	1624	1377	1544	1377	1544	0.0%	21.5%	29.3%	21.5%	29.2%	21.5%	29.2%	0	374	566	319	486	319	486																							
Day (6am-10pm)		1518	197	290	2005	2055	2079	2108	2157	2108	2157	487	537	561	590	639	590	639	24.3%	26.1%	27.0%	28.0%	29.6%	28.0%	29.6%	0	50	74	103	152	103	152																							
Night (10pm-7am)		% CT of HV																	0.0%	9.3%	13.2%	17.5%	23.8%	17.5%	23.8%																														
% CT of HV																																																							

2018 Average Weekday

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff / GNRE & PKCT

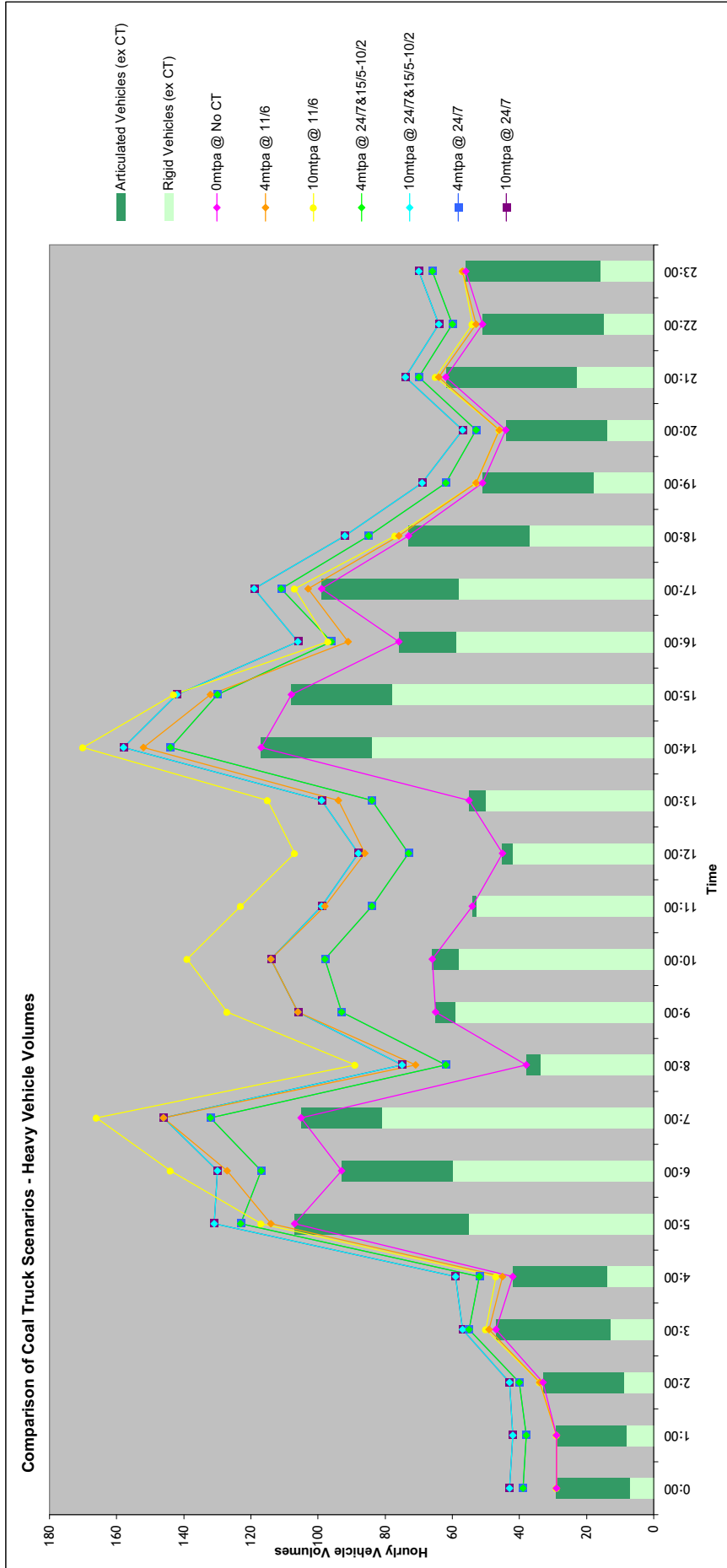
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)

0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2018 Average Weekday

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff /GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

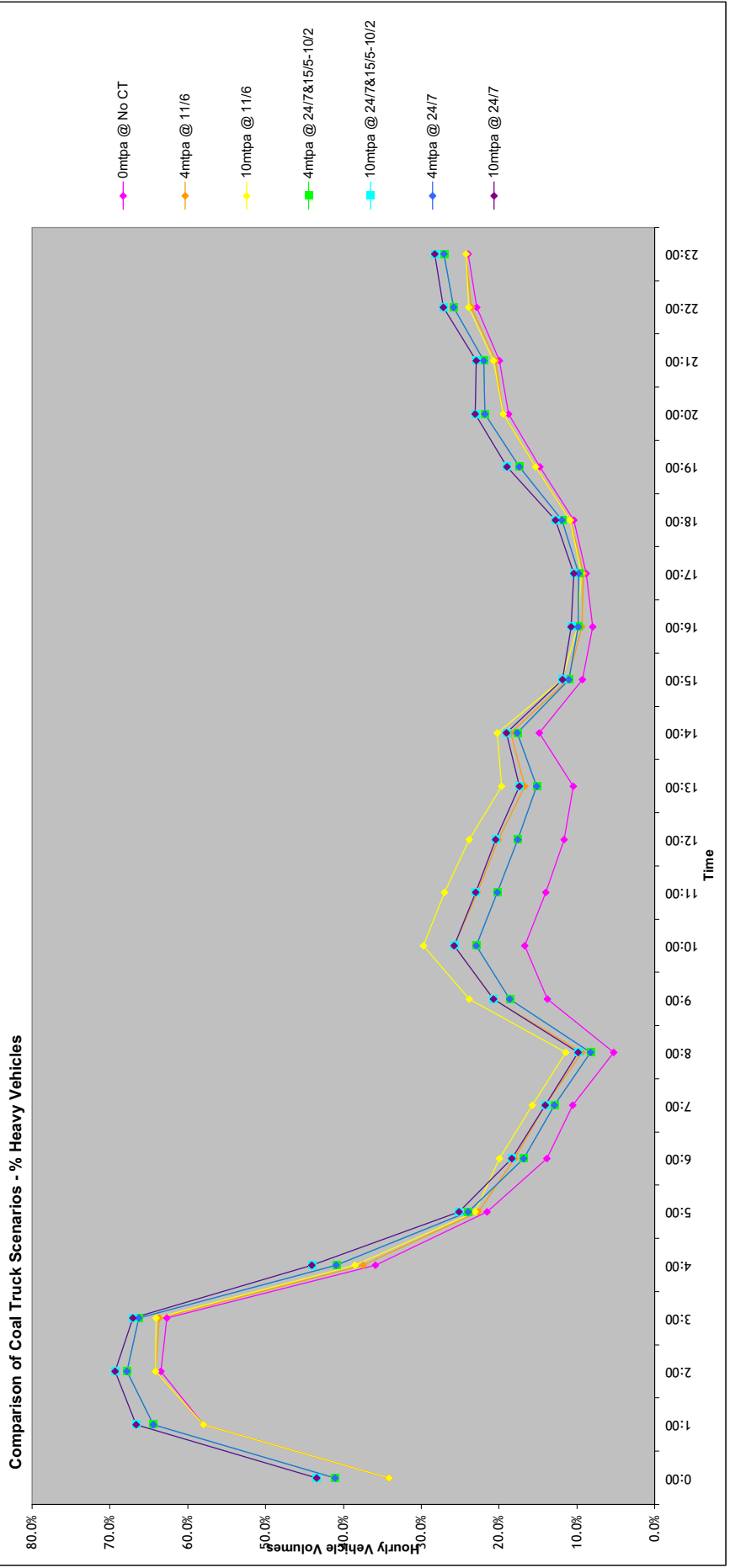
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)

0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekday

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff / GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

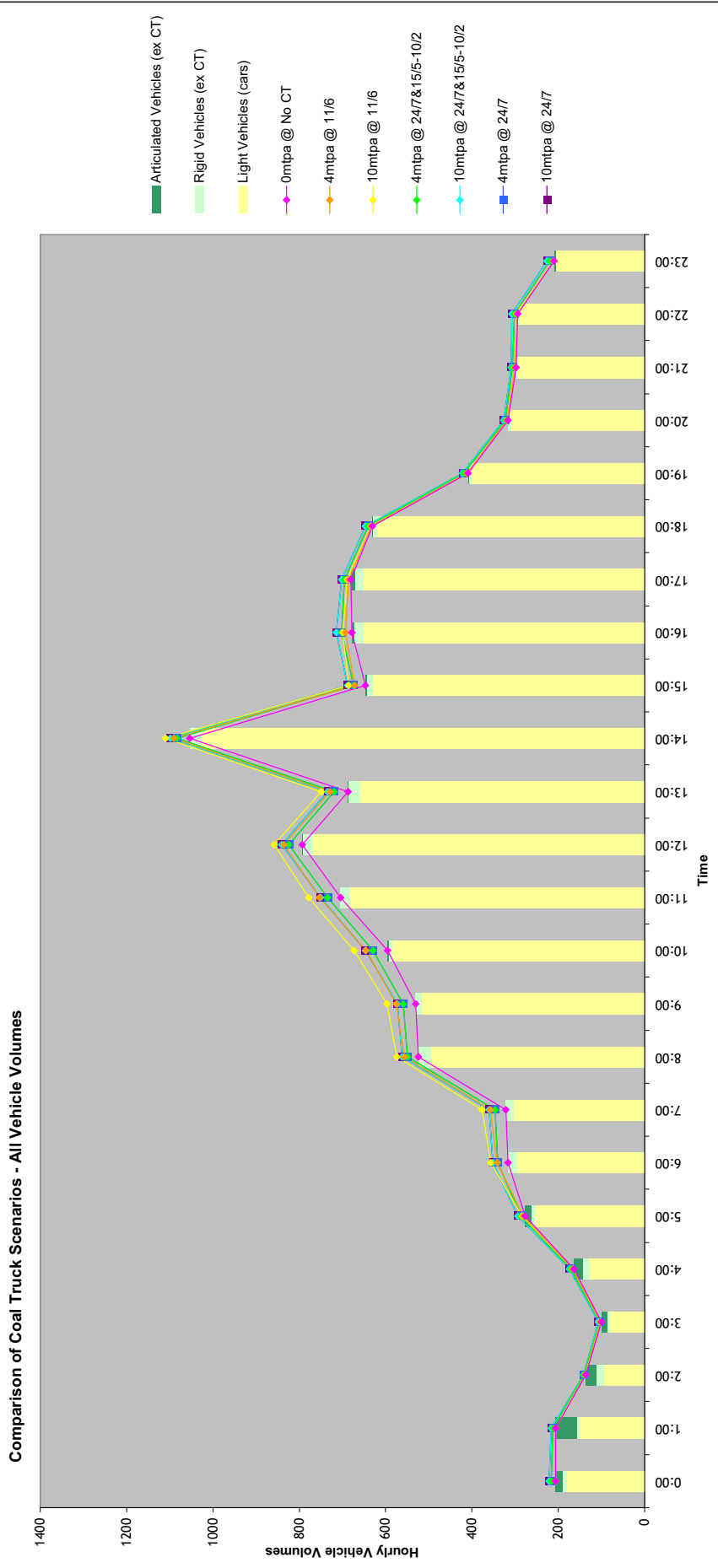
Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs
 mtpa = Million tonnes per annum

2018 Average Weekend
1. Appin Road, North of Princes Highway

Direction	Time	Total Heavy Vehicles Including Coal Trucks														% Heavy Vehicles Including Coal Trucks														Coal Trucks Only													
		Base Volumes							Total Heavy Vehicles Including Coal Trucks							Total Heavy Vehicles Including Coal Trucks							% Heavy Vehicles Including Coal Trucks							Coal Trucks Only													
		A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J										
		Omtpa @ No CT							Omtpa @ 11/6							Omtpa @ 24/7							Omtpa @ No CT							Omtpa @ 11/6							Omtpa @ 24/7						
	0:00	57	5	5	67	67	73	75	75	73	75	75	10	10	16	18	18	18	18	14.9%	14.9%	21.9%	21.9%	24.0%	21.9%	24.0%	24.0%	0	0	0	0	0	6	8	6	8							
	1:00	40	4	5	49	49	53	56	53	53	56	53	9	9	13	13	16	13	16	18.4%	18.4%	24.5%	24.5%	28.6%	24.5%	28.6%	28.6%	0	0	0	0	0	4	7	4	7							
	2:00	27	3	3	33	33	37	37	37	37	37	37	6	6	10	10	10	10	18.2%	18.2%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	0	0	0	0	0	4	4	4	4								
	3:00	23	5	6	34	35	35	35	37	35	37	35	11	12	12	14	12	14	32.4%	34.3%	34.3%	34.3%	37.8%	34.3%	37.8%	37.8%	0	1	1	1	1	1	3	1	3								
	4:00	34	8	1	43	44	46	46	46	46	46	46	9	10	10	12	12	12	20.9%	22.7%	22.7%	22.7%	26.1%	26.1%	26.1%	26.1%	0	1	1	1	1	3	3	3	3								
	5:00	155	5	5	165	167	167	169	172	169	172	169	10	12	12	14	14	17	6.1%	7.2%	7.2%	7.2%	9.9%	9.9%	9.9%	9.9%	0	2	2	2	2	4	7	4	7								
	6:00	99	8	1	108	111	113	115	118	115	118	9	12	14	16	19	16	19	8.3%	10.8%	12.4%	13.9%	16.1%	13.9%	16.1%	16.1%	0	3	5	7	10	7	10	7	10								
	7:00	157	9	1	167	185	194	180	187	180	187	10	28	37	23	30	23	30	6.0%	15.1%	19.1%	12.8%	16.0%	12.8%	16.0%	16.0%	0	18	27	13	20	13	20	13	20								
	8:00	230	14	0	244	258	266	254	259	254	259	14	28	36	24	29	24	29	5.7%	10.9%	13.5%	9.4%	11.2%	9.4%	11.2%	11.2%	0	14	22	10	15	10	15	10	15								
	9:00	264	9	0	273	292	301	287	294	287	294	9	28	37	23	30	23	30	3.3%	9.6%	12.3%	8.0%	10.2%	8.0%	10.2%	10.2%	0	19	28	14	21	14	21	14	21								
	10:00	318	6	1	325	353	368	343	352	343	352	7	35	50	25	34	25	34	2.2%	9.9%	13.6%	7.3%	9.7%	7.3%	9.7%	9.7%	0	28	43	18	27	18	27	18	27								
	11:00	308	13	0	321	345	357	336	345	336	345	13	37	49	28	37	28	37	4.0%	10.7%	13.7%	8.3%	10.7%	8.3%	10.7%	10.7%	0	24	36	15	24	15	24	15	24								
	12:00	313	10	0	323	347	360	339	347	339	347	10	34	47	26	34	26	34	3.1%	9.8%	13.1%	7.7%	9.8%	7.7%	9.8%	9.8%	0	24	37	16	24	16	24	16	24								
	13:00	353	14	1	368	389	398	383	391	383	391	15	36	45	30	38	30	38	4.1%	9.3%	11.3%	7.8%	9.7%	7.8%	9.7%	9.7%	0	21	30	15	23	15	23	15	23								
	14:00	433	13	1	447	467	478	464	472	464	472	14	34	45	31	39	31	39	3.1%	7.3%	9.6%	6.7%	8.3%	6.7%	8.3%	8.3%	0	20	31	17	25	17	25	17	25								
	15:00	449	6	0	455	473	482	469	476	469	476	6	24	33	20	27	20	27	1.3%	5.1%	6.8%	4.3%	5.7%	4.3%	5.7%	5.7%	0	18	27	14	21	14	21	14	21								
	16:00	489	15	5	509	519	524	522	529	522	529	20	30	35	33	40	33	40	3.9%	5.8%	6.7%	6.3%	7.6%	6.3%	7.6%	7.6%	0	10	15	13	20	13	20	13	20								
	17:00	473	18	9	500	503	506	509	513	509	513	27	30	33	36	40	36	40	5.4%	6.0%	6.5%	7.1%	7.8%	7.1%	7.8%	7.8%	0	3	6	9	13	9	13	9	13								
	18:00	278	6	1	285	288	289	292	298	292	298	7	10	11	14	20	14	20	2.5%	3.5%	3.8%	4.8%	6.7%	4.8%	6.7%	6.7%	0	3	4	7	13	7	13	7	13								
	19:00	117	3	1	121	122	122	127	128	127	128	4	5	5	10	11	10	11	3.3%	4.1%	4.1%	7.9%	8.6%	7.9%	8.6%	8.6%	0	1	1	6	7	6	7	6	7								
	20:00	93	3	0	96	97	97	99	102	99	102	3	4	4	6	9	6	9	3.1%	4.1%	4.1%	6.1%	6.1%	6.1%	6.1%	6.1%	0	1	1	3	6	3	6	3	6								
	21:00	111	1	0	112	113	113	116	116	116	116	1	2	2	5	5	5	5	0.9%	1.8%	1.8%	4.3%	4.3%	4.3%	4.3%	4.3%	0	1	1	4	4	4	4	4	4								
	22:00	92	1	0	93	94	94	96	100	96	100	1	2	2	4	8	4	8	1.1%	2.1%	2.1%	4.2%	8.0%	4.2%	8.0%	8.0%	0	1	1	3	7	3	7	3	7								
	23:00	65	1	0	66	66	67	70	73	70	73	1	1	2	5	8	5	8	1.5%	1.5%	3.0%	7.1%	11.0%	7.1%	11.0%	11.0%	0	0	1	4	7	4	7	4	7								
	Daily	4978	180	46	5204	5417	5524	5414	5523	5414	5523	226	439	546	436	545	436	545	4.3%	8.1%	9.9%	8.1%	9.9%	8.1%	9.9%	9.9%	0	213	320	210	319	210	319	210	319								
	% CT of HV																																										
	Day (6am-10pm)	4386	140	20	4546	4751	4855	4720	4809	4720	4809	160	365	469	334	423	334	423	3.5%	7.7%	9.7%	7.1%	8.8%	7.1%	8.8%	8.8%	0	205	309	174	263	174	263	174	263								
	% CT of HV																																										
	Night (10pm-7am)	592	40	26	658	666	669	694	714	694	714	66	74	77	102	122	102	122	10.0%	11.1%	11.5%	14.7%	17.1%	14.7%	17.1%	17.1%	0	8	11	36	56	36	56	36	56								
	% CT of HV																																										

2018 Average Weekend

1. Appin Road, North of Princes Highway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff /GNRE & PKCT

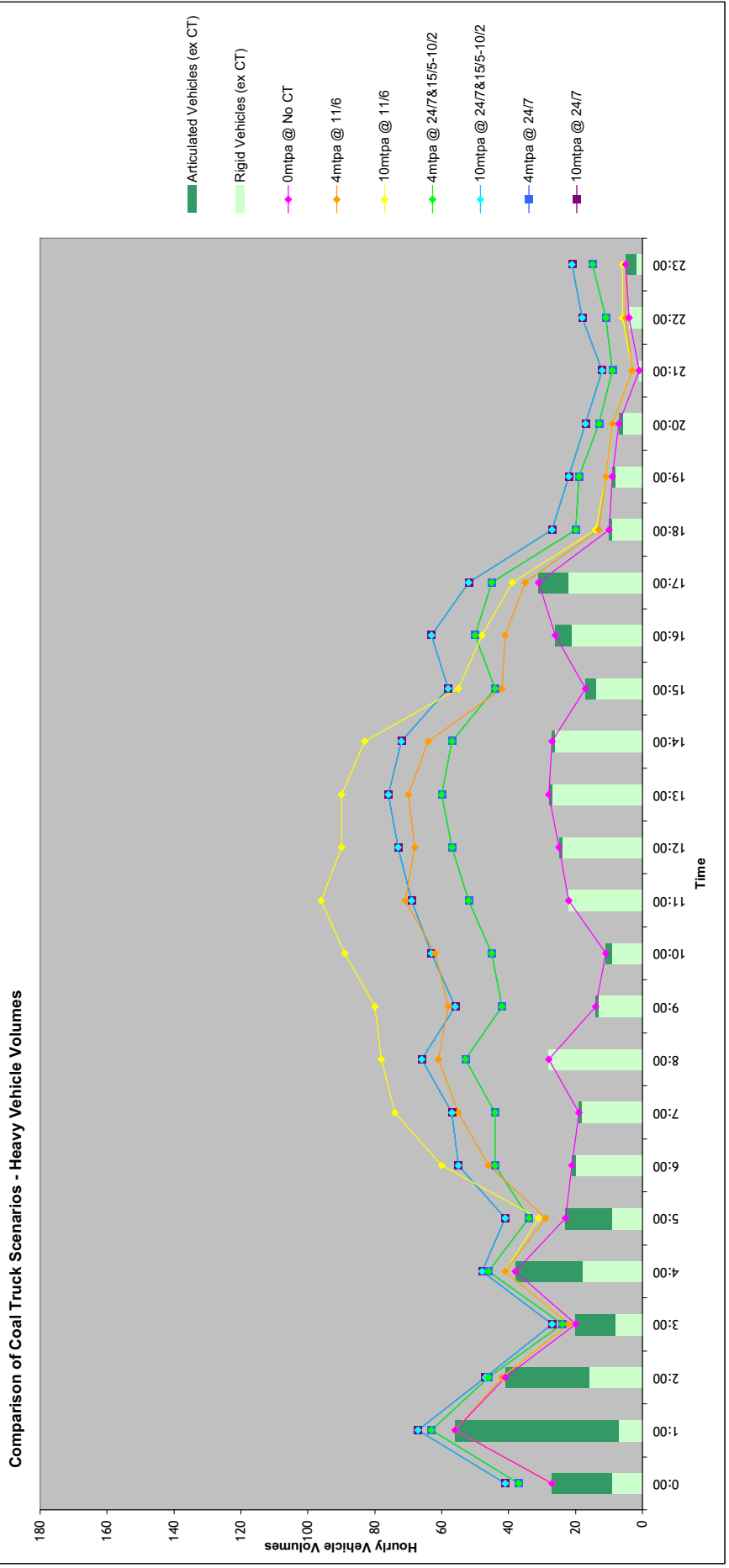
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid+artic-CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

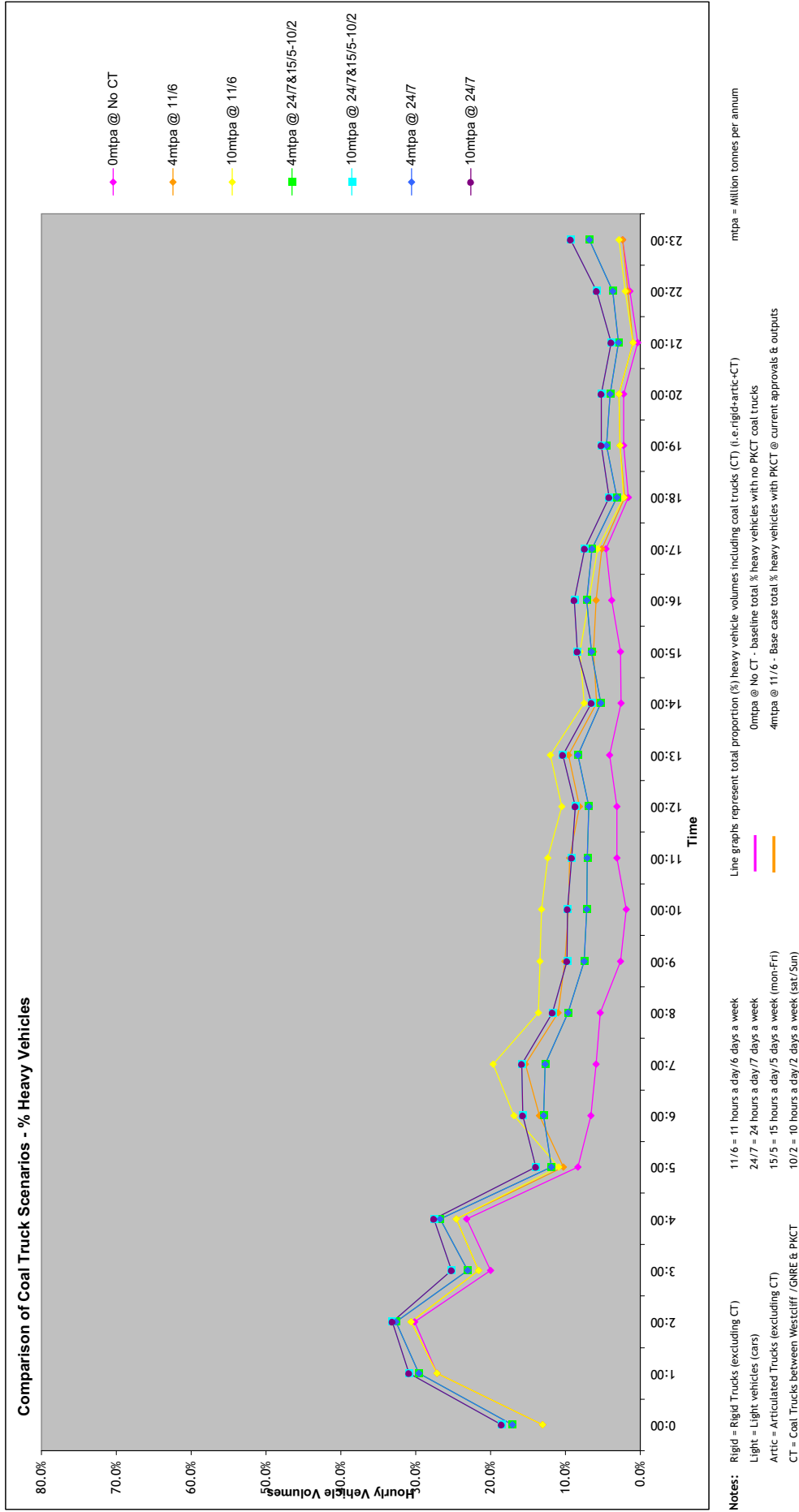
2018 Average Weekend

1. Appin Road, North of Princes Highway



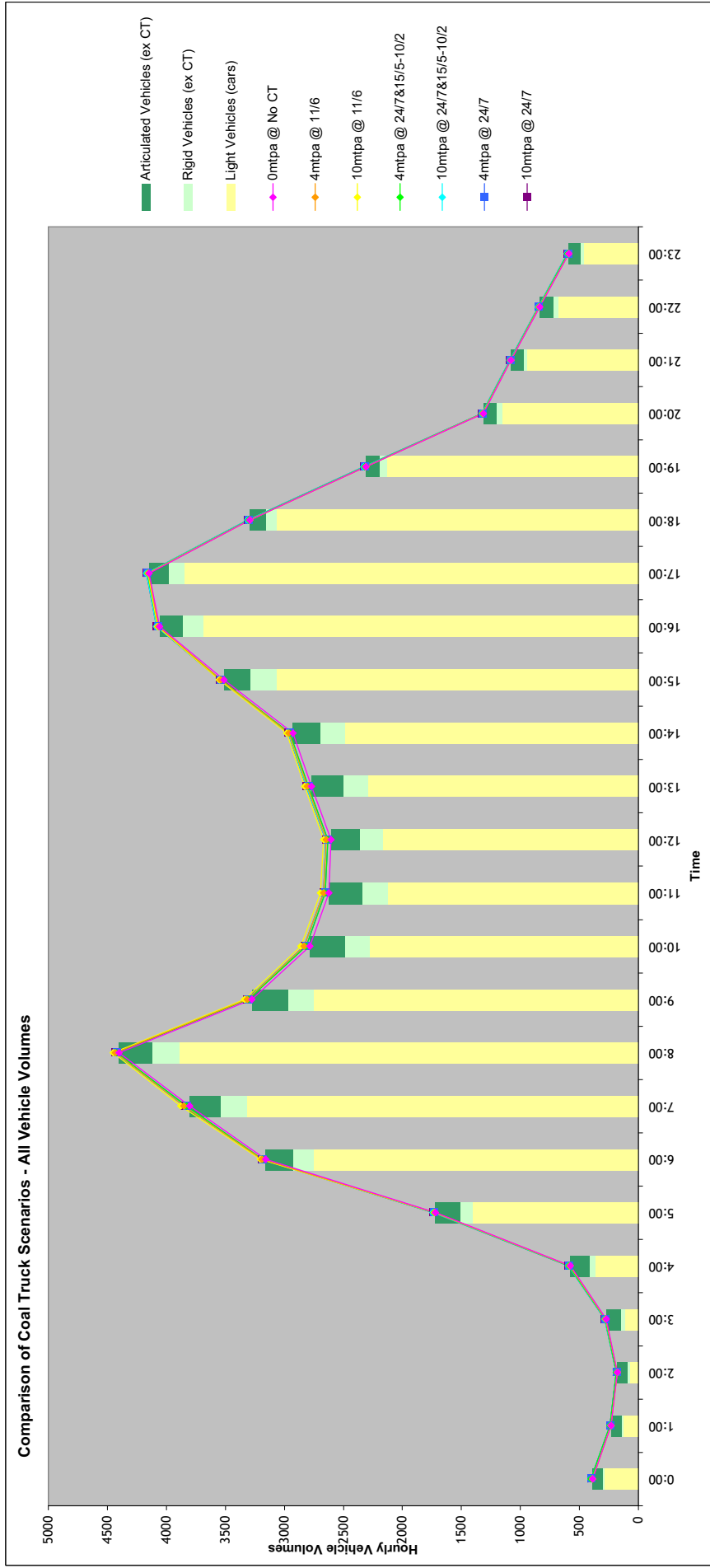
2018 Average Weekend

1. Appin Road, North of Princes Highway



2018 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway

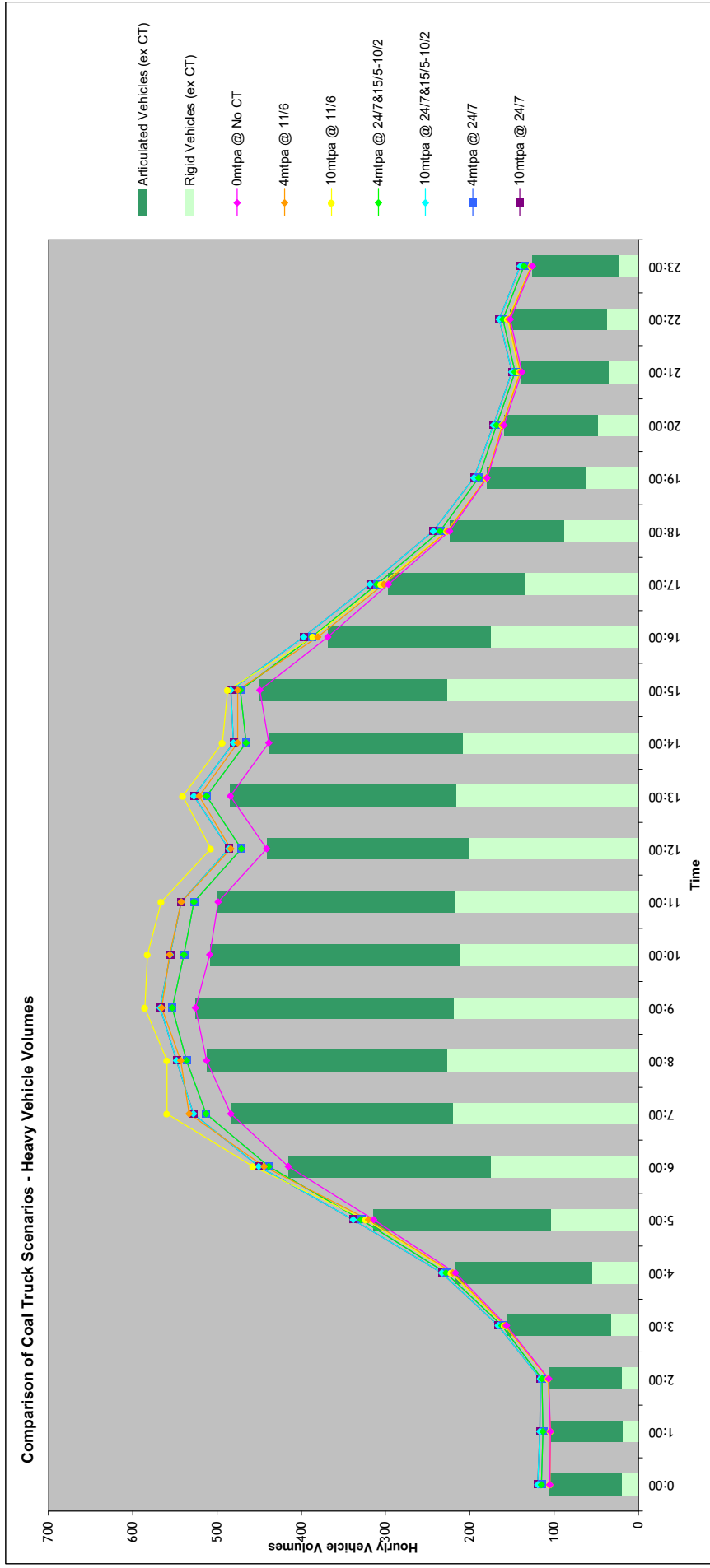


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff /GHRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
- 0 mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4 mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2018 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff /GHRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

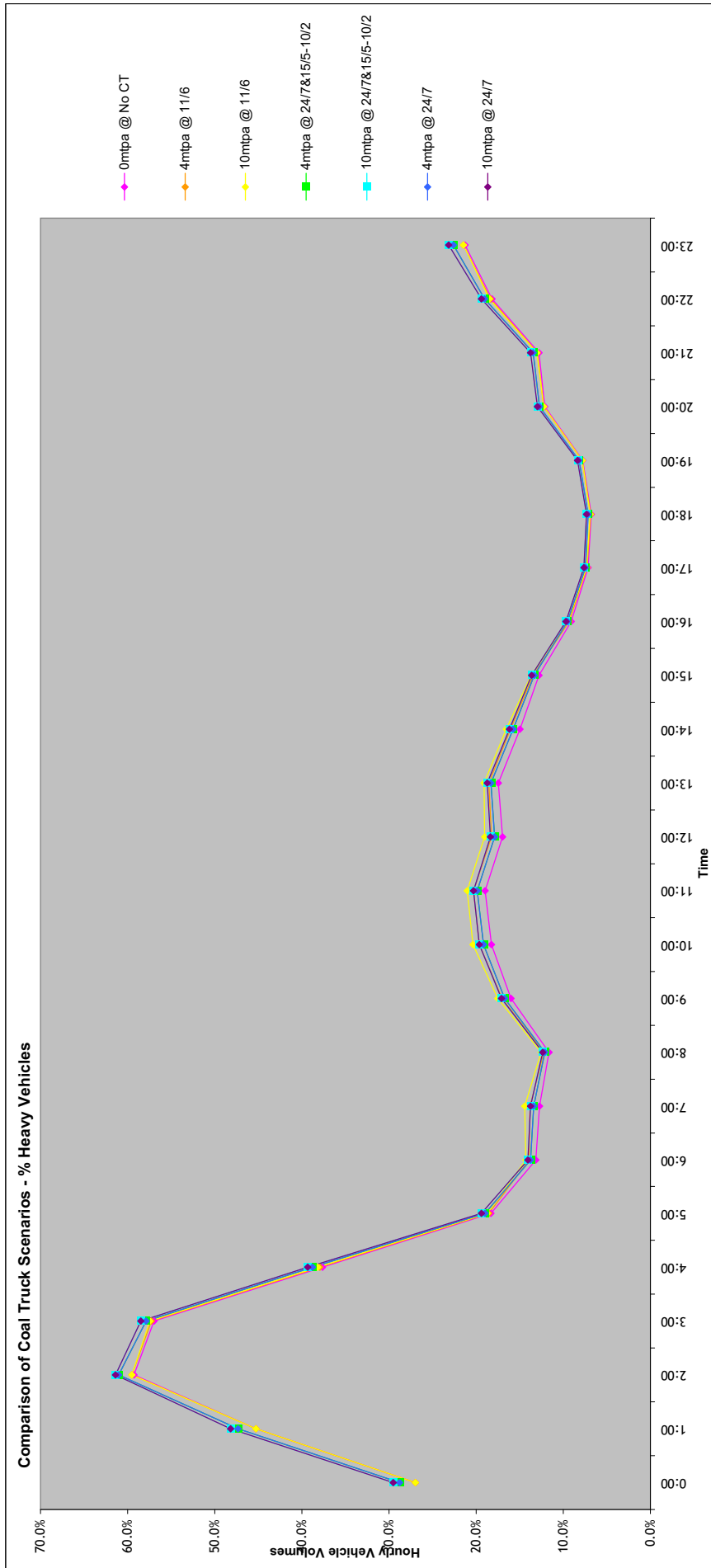
Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)

0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekday

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway

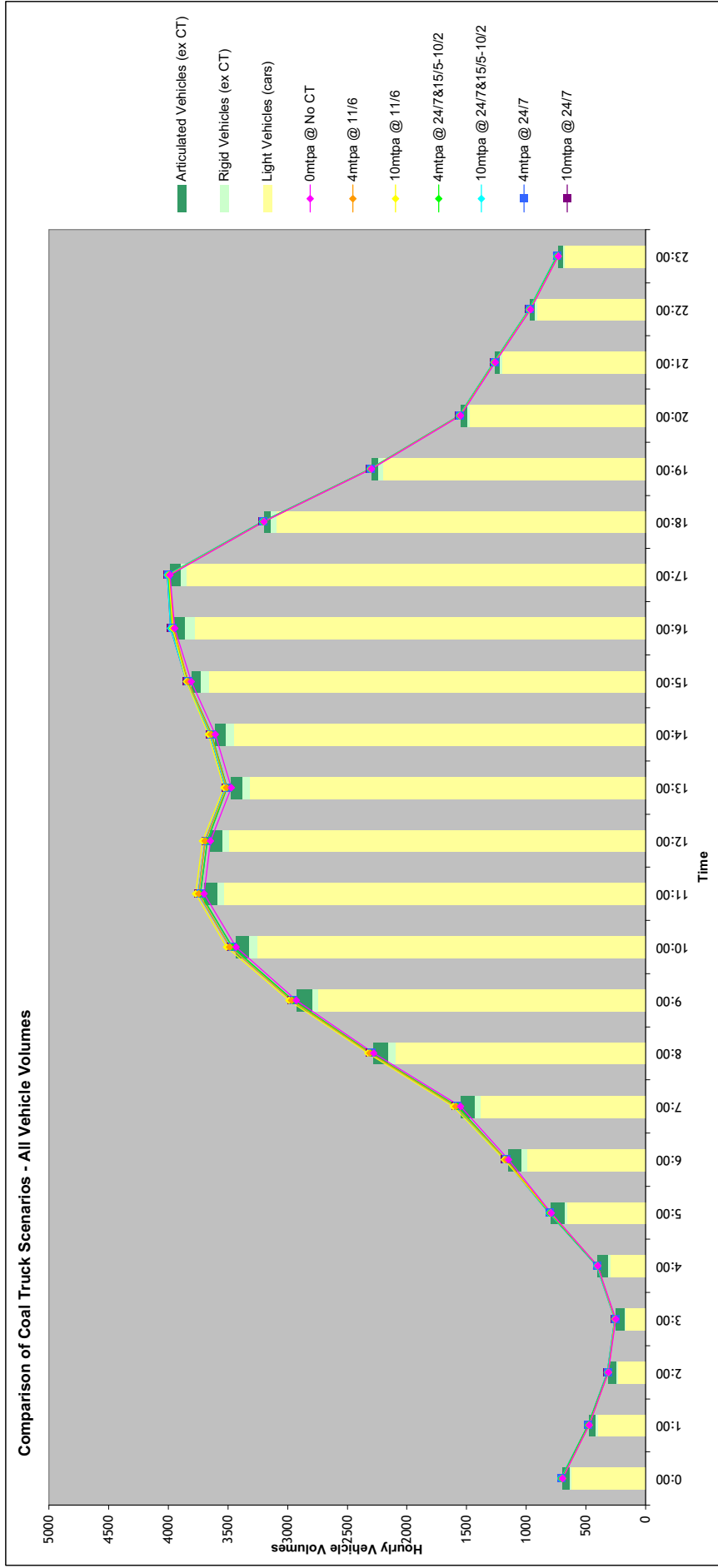


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff /GHE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Line graphs represent total (proportion %) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
- 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs
- mtpa = Million tonnes per annum

2018 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



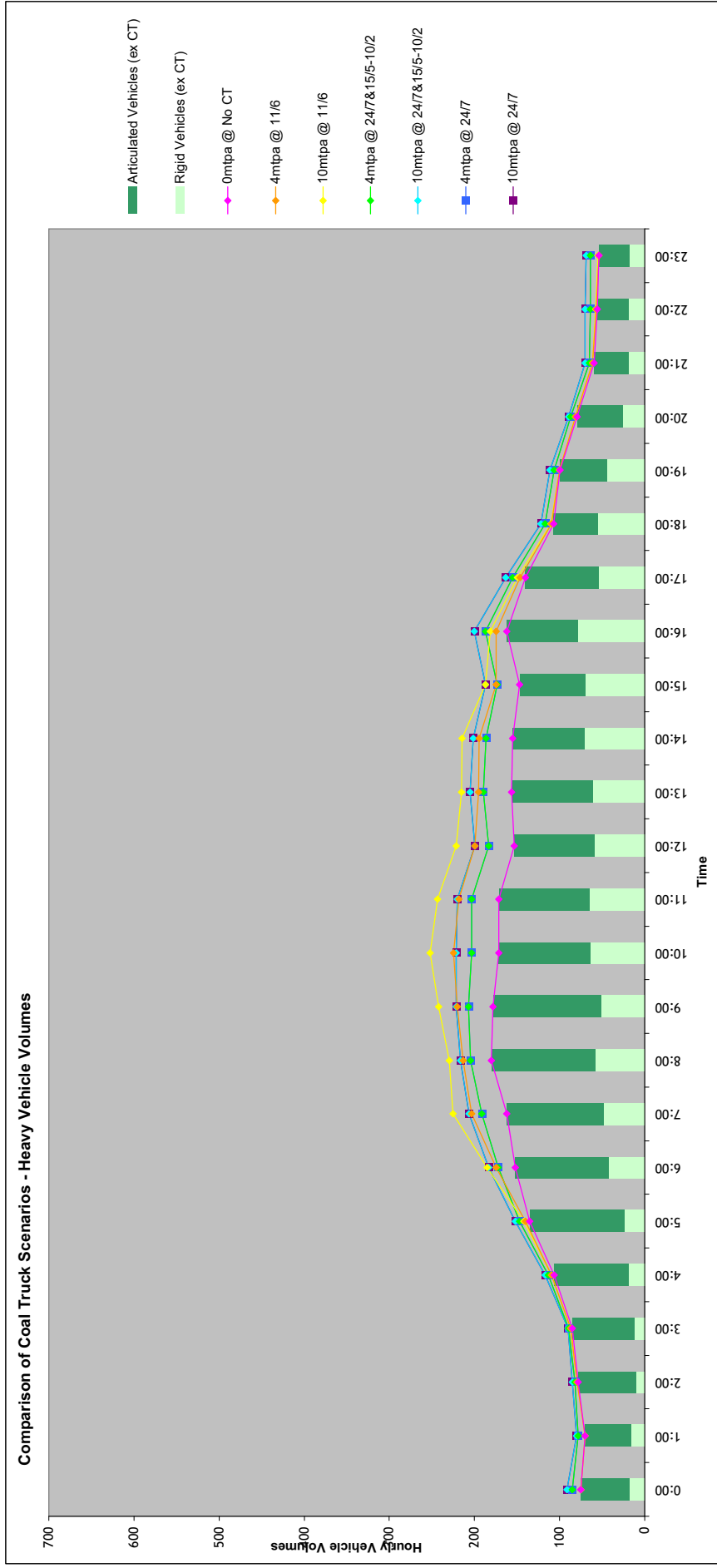
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff /GHRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



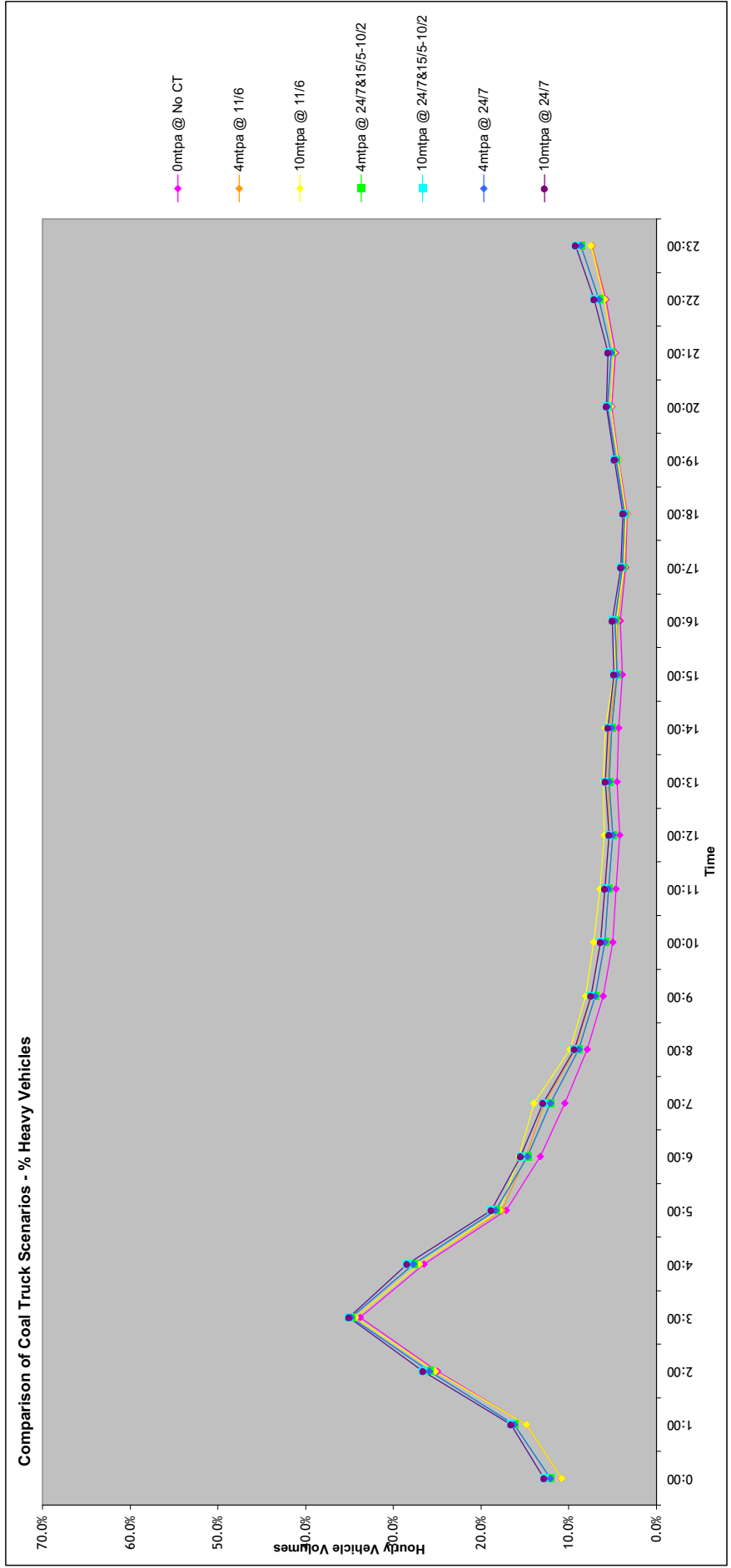
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff /GHRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- mtpa = Million tonnes per annum

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

2018 Average Weekend

2. Mount Ousley Road, Mount Ousley between Princess Highway and New Mount Pleasant Road, north of F6 freeway



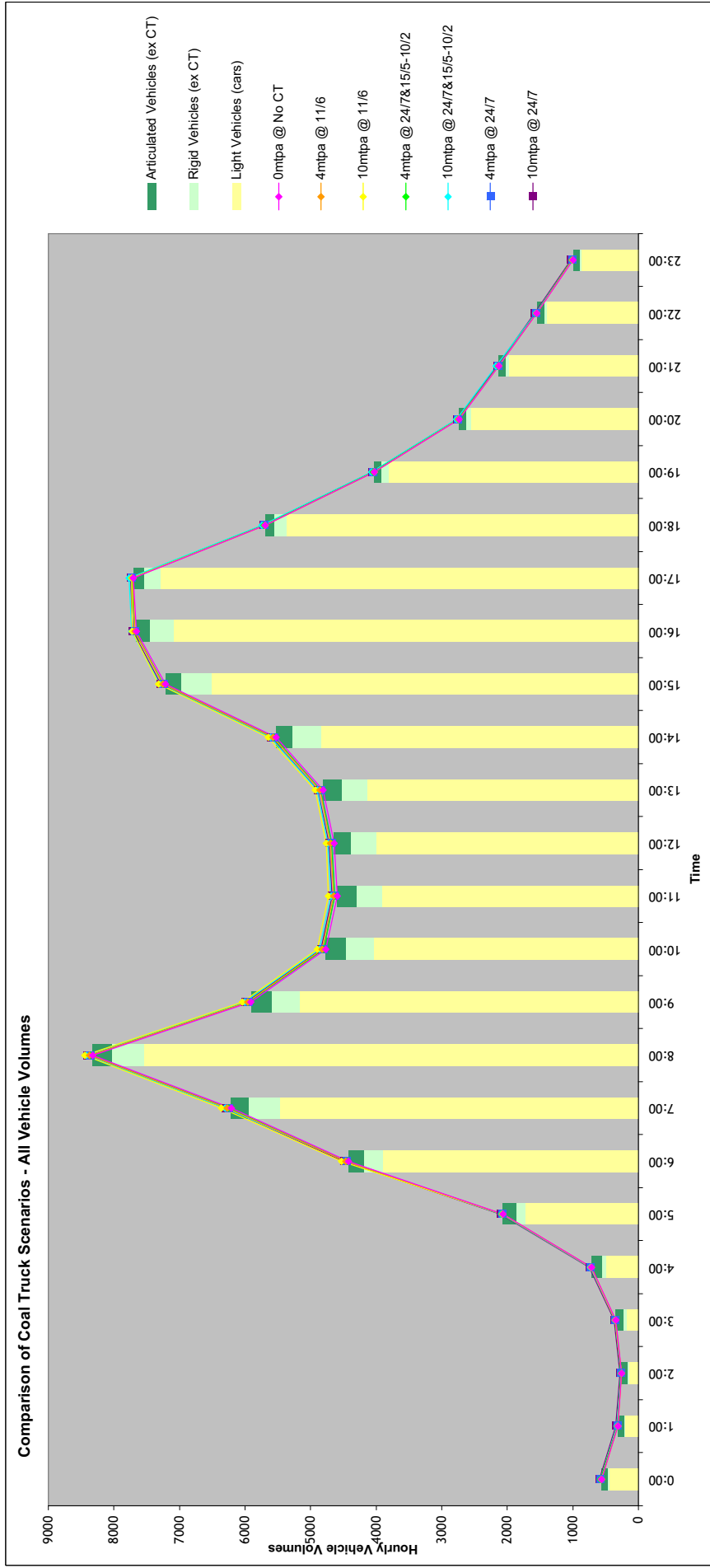
2018 Average Weekday
3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)

Direction	2018 Average Weekday 3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																														
	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks															
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	C	D	E	F	G	H	I	J	A	B	C	D	E	F	G	H	I	J								
0:00	308	13	51	372	372	372	372	371	379	378	387	387	64	64	69	71	70	79	17.1%	17.1%	18.6%	18.4%	20.3%	0	0	0	5	7	6	15	
1:00	136	11	47	194	194	194	198	200	199	208	208	58	58	62	64	63	72	29.7%	29.7%	31.2%	31.9%	34.5%	0	0	0	0	4	6	5	14	
2:00	79	10	45	134	135	138	138	146	146	146	146	55	56	59	59	61	67	40.9%	41.3%	41.3%	42.6%	43.4%	45.7%	0	1	1	4	4	6	12	
3:00	77	11	34	122	123	124	125	128	128	127	136	45	46	47	48	51	50	59	36.7%	37.2%	38.2%	39.6%	43.2%	0	1	2	3	6	5	14	
4:00	122	18	50	190	192	193	197	200	199	208	208	68	70	71	75	77	86	35.6%	36.3%	37.9%	38.9%	41.2%	0	2	3	7	10	9	18		
5:00	414	39	97	550	554	556	558	563	563	568	571	136	140	142	144	149	146	157	24.6%	25.2%	25.7%	26.4%	27.4%	0	4	6	8	13	10	21	
6:00	1430	118	114	1662	1694	1737	1676	1683	1680	1705	232	264	307	246	253	250	275	13.9%	15.6%	17.2%	14.7%	15.0%	14.9%	0	32	75	14	21	18	43	
7:00	2297	197	134	2628	2655	2693	2688	2681	2686	2668	331	358	396	351	384	349	371	12.6%	13.5%	14.7%	13.2%	14.3%	13.2%	0	27	65	20	53	18	40	
8:00	3122	230	144	3496	3521	3559	3515	3545	3514	3537	374	399	437	393	423	392	415	10.7%	11.3%	12.3%	11.2%	11.9%	11.1%	0	25	63	19	49	18	41	
9:00	2234	206	139	2579	2607	2646	2598	2629	2629	2597	2619	345	373	412	364	395	363	385	13.4%	14.3%	15.6%	14.0%	15.0%	14.0%	0	28	67	19	50	18	40
10:00	1973	215	138	2326	2353	2391	2345	2374	2343	2365	353	380	418	372	401	370	392	15.2%	16.1%	17.5%	15.8%	16.9%	15.8%	0	27	65	19	48	17	39	
11:00	1967	192	139	2298	2327	2364	2318	2347	2316	2338	331	360	397	351	380	349	371	14.4%	15.5%	16.8%	15.1%	16.2%	15.1%	0	29	66	20	49	18	40	
12:00	1999	175	142	2316	2341	2376	2335	2362	2333	2354	317	342	377	336	363	334	355	13.7%	14.6%	15.9%	14.4%	15.4%	14.3%	0	25	60	19	46	17	38	
13:00	2053	183	149	2385	2410	2446	2405	2432	2403	2426	332	357	393	352	379	350	373	13.9%	14.8%	16.1%	14.6%	15.6%	14.5%	0	25	61	20	47	18	41	
14:00	2540	213	137	2890	2913	2949	2907	2935	2906	2928	350	373	409	367	395	366	388	12.1%	12.8%	13.9%	12.6%	13.4%	12.6%	0	23	59	17	45	16	38	
15:00	3334	260	137	3731	3747	3774	3747	3744	3744	3745	3763	397	413	440	413	440	411	10.6%	11.0%	11.6%	11.0%	11.6%	11.0%	0	16	43	16	43	14	32	
16:00	3835	193	113	4141	4150	4169	4154	4178	4152	4166	306	315	334	319	343	317	331	7.4%	7.6%	8.0%	7.7%	8.2%	7.6%	0	9	28	13	37	11	25	
17:00	3983	190	82	4215	4217	4218	4225	4242	4224	4234	232	234	235	242	259	241	251	5.5%	5.5%	5.6%	5.7%	6.1%	5.7%	0	2	3	10	27	9	19	
18:00	3070	95	64	3229	3229	3229	3235	3249	3235	3245	159	159	159	165	179	165	175	4.9%	4.9%	4.9%	5.1%	5.5%	5.1%	0	0	0	6	20	6	16	
19:00	2329	70	67	2466	2467	2467	2473	2485	2473	2481	137	138	138	144	156	144	152	5.6%	5.6%	5.8%	6.3%	6.7%	5.8%	0	1	1	7	19	7	15	
20:00	1529	44	59	1632	1633	1633	1638	1650	1638	1646	103	104	104	109	121	109	117	6.3%	6.4%	6.4%	6.7%	7.3%	6.7%	0	1	1	6	18	6	14	
21:00	1166	29	50	1246	1247	1248	1252	1264	1251	1260	79	80	81	85	97	84	93	6.4%	6.4%	6.5%	6.8%	7.7%	6.7%	0	1	2	6	18	5	14	
22:00	812	24	57	894	895	895	899	901	900	909	81	82	82	86	88	87	96	9.1%	9.2%	9.2%	9.6%	9.8%	9.7%	0	1	1	5	7	6	15	
23:00	528	13	56	597	597	597	602	604	603	612	69	69	69	74	76	75	84	11.6%	11.6%	11.6%	12.4%	12.5%	13.8%	0	0	0	5	7	6	15	
Daily	41340	2709	2239	46288	46568	46960	46560	46938	46557	46907	4948	5228	5620	5220	5598	5217	5567	10.7%	11.2%	12.0%	11.9%	11.9%	11.2%	0	280	672	272	650	269	619	
% CT of HV																		0.0%	5.4%	12.0%	5.2%	11.6%	5.2%	11.1%							
Day (6am-10pm)	37432	2452	1690	41575	41814	42159	41792	42144	41773	42027	4142	4381	4726	4359	4711	4340	4594	10.0%	10.5%	11.2%	10.4%	11.2%	10.4%	0	239	584	217	569	198	452	
% CT of HV																		0.0%	5.5%	12.4%	5.0%	12.1%	4.6%	9.8%							
Night (10pm-7am)	3907	257	549	4713	4754	4801	4768	4794	4784	4880	806	847	894	861	887	877	973	17.1%	17.8%	18.6%	18.5%	18.3%	19.9%	0	41	88	55	81	71	167	
% CT of HV																		0.0%	4.8%	9.8%	6.4%	9.1%	8.1%	17.2%							

		2018 Average Weekday																													
		3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																													
Direction	Time	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV	A	B	CT of HV			
Northbound (from PKT)	0:00	139	10	46	195	195	200	202	201	210	210	56	56	61	63	62	71	28.6%	28.6%	30.4%	31.0%	30.7%	33.7%	0	0	5	7	6	15		
	1:00	71	8	42	121	121	126	128	127	136	136	50	50	55	57	56	65	41.1%	41.1%	43.5%	44.4%	43.9%	47.6%	0	0	5	7	6	15		
	2:00	62	20	42	124	124	128	130	130	138	138	62	62	66	68	68	76	49.8%	49.8%	51.4%	52.2%	54.9%	54.9%	0	0	0	4	6	14		
	3:00	110	30	86	226	227	229	230	231	238	238	116	117	119	120	121	128	51.2%	51.5%	51.9%	52.1%	52.3%	53.7%	0	1	1	3	4	5		
	4:00	377	50	100	527	528	529	531	533	541	541	150	151	152	154	156	164	28.4%	28.5%	28.7%	28.9%	29.2%	30.3%	0	1	2	4	6	14		
	5:00	1311	100	103	1514	1516	1517	1521	1523	1533	1533	203	205	206	210	214	212	222	13.4%	13.5%	13.6%	13.8%	14.0%	14.5%	0	2	3	7	11	9	
	6:00	2464	179	119	2762	2771	2789	2771	2776	2774	2791	298	307	325	307	312	310	327	10.8%	11.1%	11.6%	11.4%	11.2%	11.7%	0	9	27	9	14	12	
	7:00	3169	281	135	3585	3623	3667	3604	3625	3605	3630	416	454	498	435	456	461	461	11.6%	12.5%	13.6%	12.1%	12.6%	12.7%	0	38	82	19	40	20	
	8:00	4423	259	144	4826	4850	4887	4844	4876	4843	4865	403	427	464	421	453	442	442	8.3%	8.8%	9.5%	8.7%	8.7%	9.1%	0	24	61	18	50	17	
	9:00	2933	227	172	3332	3356	3394	3351	3381	3350	3373	399	423	461	418	448	417	440	12.0%	12.6%	13.6%	12.5%	13.2%	12.4%	0	24	62	19	49	18	
	10:00	2066	210	166	2442	2471	2510	2461	2492	2460	2481	376	405	444	395	426	394	415	15.4%	16.4%	17.7%	16.0%	17.1%	16.0%	0	29	68	19	50	18	
	11:00	1943	204	151	2298	2325	2363	2317	2345	2315	2336	355	382	420	374	402	372	393	15.4%	16.4%	17.8%	16.1%	17.1%	16.1%	0	27	65	21	47	17	
	12:00	2009	199	116	2324	2353	2390	2345	2373	2343	2365	315	344	381	336	364	334	356	13.5%	14.6%	15.9%	14.3%	15.3%	14.2%	0	29	66	21	49	19	
	13:00	2091	197	135	2423	2447	2481	2441	2468	2439	2461	332	356	390	350	377	348	370	13.7%	14.5%	15.7%	14.3%	15.3%	14.3%	0	24	58	18	45	16	
	14:00	2295	239	99	2633	2659	2696	2653	2681	2651	2675	338	364	401	358	386	356	380	12.8%	13.7%	14.9%	13.5%	14.4%	13.4%	0	26	63	20	48	18	
	15:00	3170	218	99	3487	3509	3542	3504	3532	3503	3522	317	339	372	334	362	333	352	9.1%	9.7%	10.3%	9.5%	10.2%	9.5%	0	22	55	17	45	16	
	16:00	3248	175	93	3516	3528	3551	3531	3556	3528	3545	268	280	303	283	308	280	297	7.6%	7.9%	8.5%	8.0%	8.7%	7.9%	0	12	35	15	40	12	
	17:00	3302	113	78	3493	3500	3510	3506	3526	3504	3516	191	198	208	204	224	202	214	5.5%	5.6%	5.9%	5.8%	6.3%	5.8%	0	7	17	13	33	11	
	18:00	2305	91	70	2466	2467	2468	2474	2490	2474	2484	161	162	163	169	185	169	179	6.5%	6.6%	6.6%	6.8%	7.4%	6.8%	0	1	2	8	24	8	
	19:00	1475	43	46	1564	1564	1564	1570	1583	1570	1579	89	89	89	95	108	95	104	5.7%	5.7%	5.7%	6.1%	6.8%	6.1%	0	0	0	6	19	6	
	20:00	1027	22	56	1105	1106	1106	1112	1124	1112	1120	78	79	79	85	97	85	93	7.1%	7.2%	7.2%	7.7%	8.6%	7.7%	0	1	1	7	19	7	
	21:00	810	22	51	884	885	885	891	908	889	898	73	74	74	80	97	78	87	8.3%	8.4%	8.4%	9.0%	10.7%	8.8%	0	1	1	7	24	5	
	22:00	588	15	54	658	659	660	662	664	663	672	69	70	71	73	75	74	83	10.6%	10.7%	10.8%	11.1%	11.4%	11.2%	0	1	2	4	6	5	
	23:00	343	13	47	403	404	404	408	410	409	418	60	61	61	65	67	66	75	15.0%	15.2%	15.2%	16.0%	16.4%	16.2%	0	1	1	5	7	6	
Daily	41734	2925	2244	46903	47183	47575	47175	47553	47172	47522	5169	5449	5841	5441	5819	5438	5788	11.0%	11.5%	12.3%	11.5%	12.2%	11.5%	0	280	672	272	650	269		
% CT of HV																		0.0%	5.1%	11.5%	5.0%	11.2%	4.9%	10.3%							
Day (6am-10pm)	36267	2500	1607	40375	40640	41011	40601	40957	40583	40847	4107	4372	4743	4333	4689	4315	4579	10.2%	10.8%	11.6%	10.7%	11.4%	10.6%	0	265	636	226	582	208		
% CT of HV																		0.0%	6.1%	13.4%	5.2%	12.4%	4.8%	10.3%							
Night (10pm-7am)	5466	425	637	6528	6543	6564	6574	6596	6589	6675	1062	1077	1098	1108	1123	1209	1209	16.3%	16.5%	16.7%	16.9%	17.1%	17.0%	0	15	36	46	68	61		
% CT of HV																		0.0%	1.4%	3.3%	4.2%	6.0%	5.4%	12.2%							

2018 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)

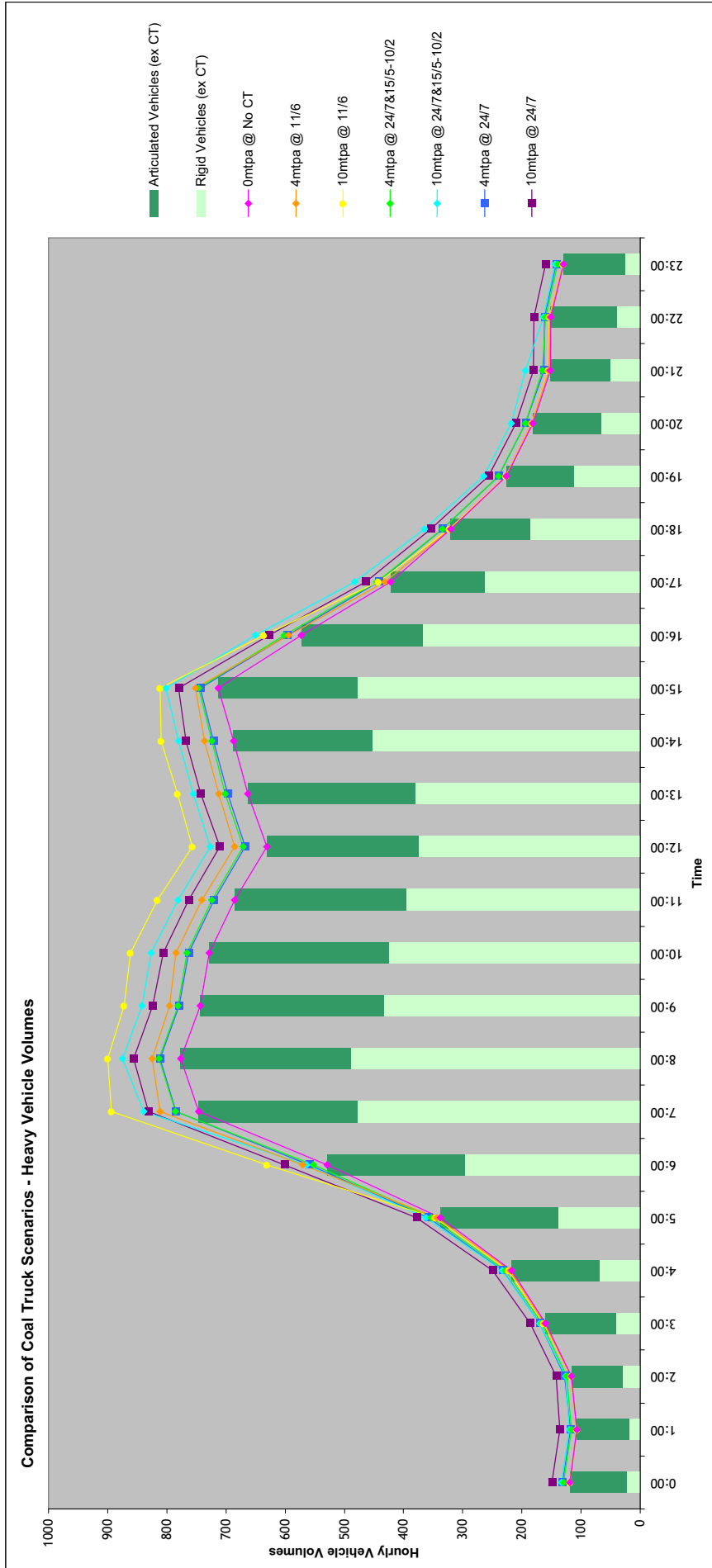


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff / GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light+rigid+artic+CT)
- 0mpba @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mpba @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

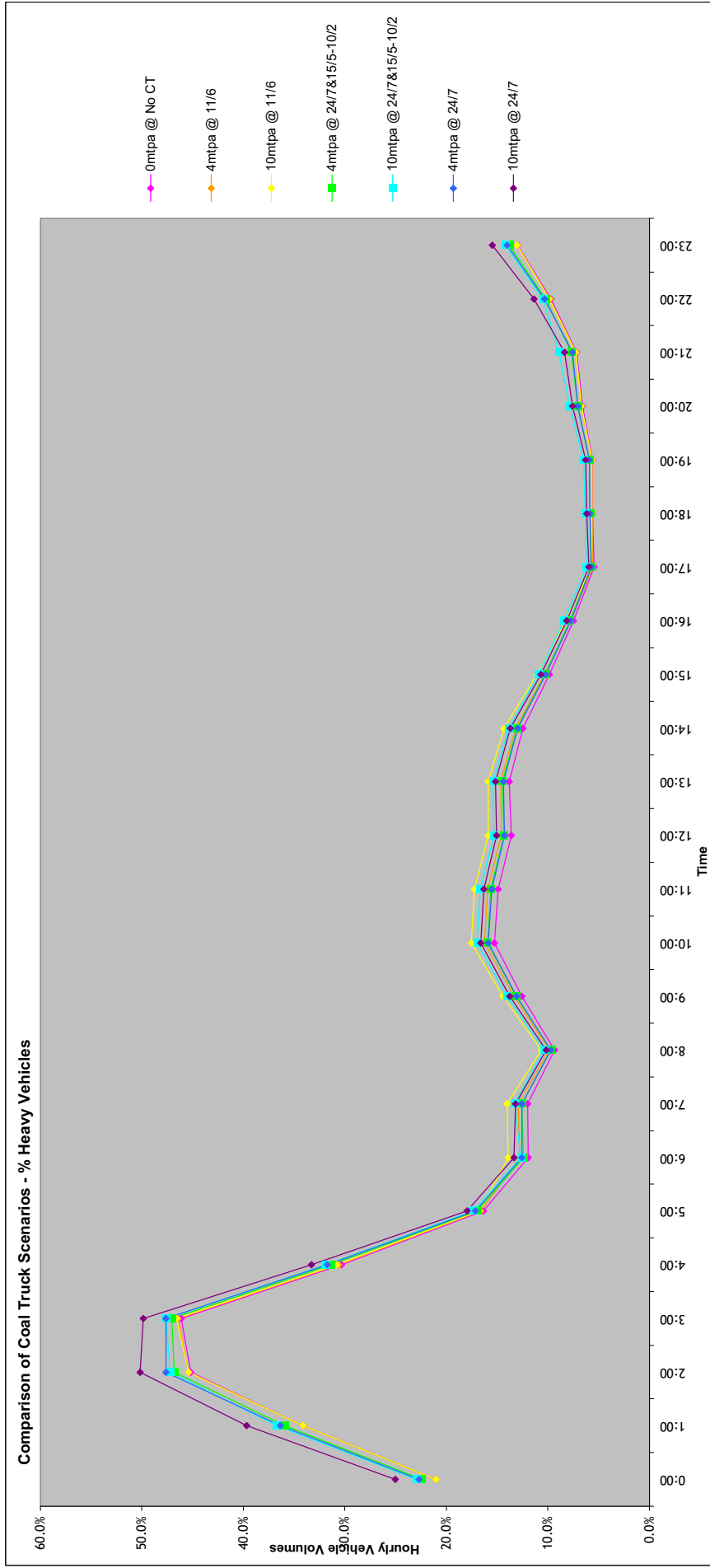
2018 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



2018 Average Weekday

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff / GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
- 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs
- mtpa = Million tonnes per annum

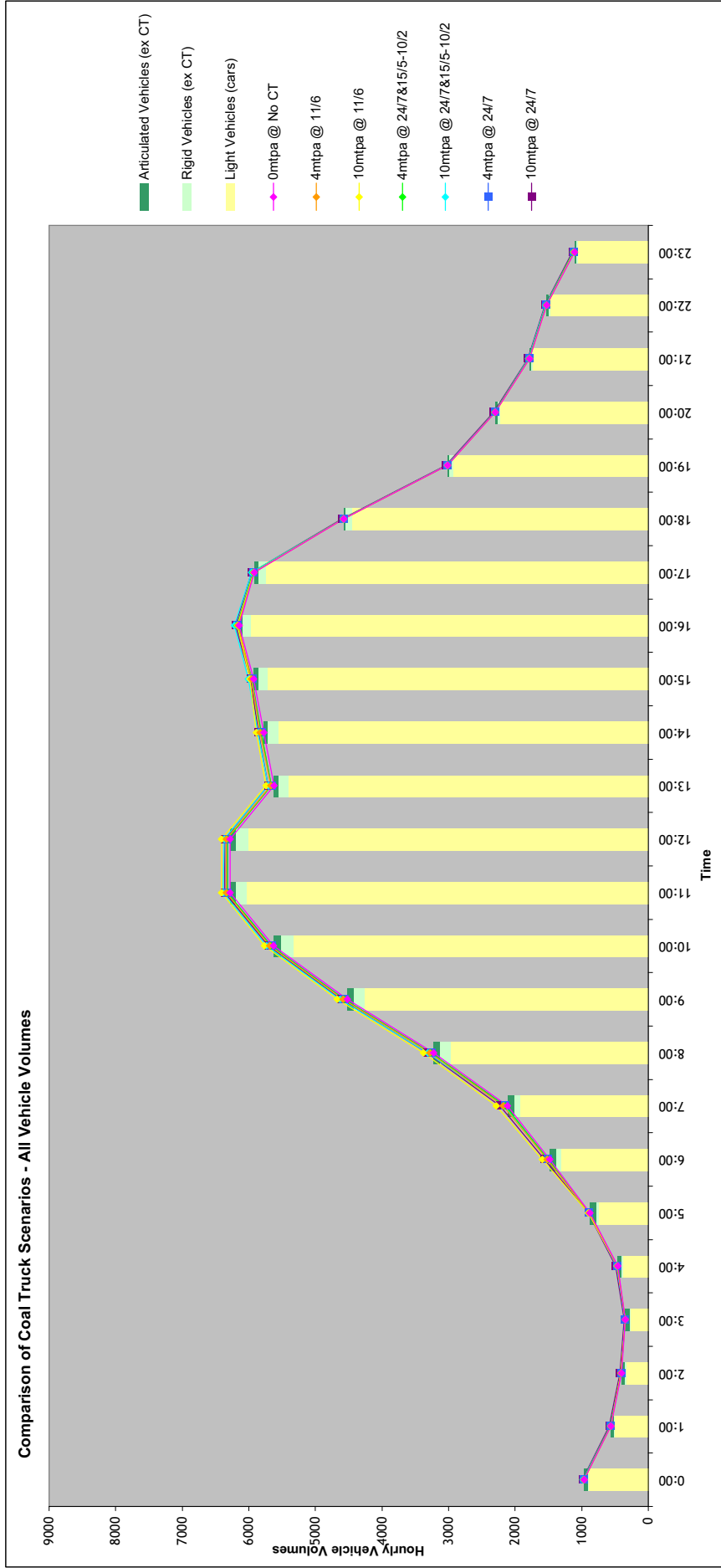
		2018 Average Weekend																						
		3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																						
Direction	Time	Total Heavy Vehicles Including Coal Trucks										% Heavy Vehicles Including Coal Trucks												
		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J		
Base Volumes		Total Vehicles Including Coal Trucks										Coal Trucks Only												
Light Vehicles (cars)		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J		
Rigid Vehicles (ex CT)		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J		
Articulated Vehicles (ex CT)		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J		
Southbound (to PKT)	0:00	560	11	36	607	607	614	613	621	47	47	51	54	53	61	7.7%	7.7%	7.7%	8.3%	8.7%	8.6%	9.8%		
	1:00	325	6	27	358	358	362	364	369	33	33	37	37	39	44	9.1%	9.1%	9.1%	10.1%	10.1%	10.6%	11.8%		
	2:00	217	6	28	251	252	252	254	253	261	34	35	35	37	44	13.4%	13.7%	13.7%	14.4%	14.4%	16.7%	0		
	3:00	140	6	26	172	173	175	175	182	32	33	35	35	36	42	18.4%	18.9%	18.9%	19.8%	19.8%	20.3%	22.9%		
	4:00	168	8	26	202	204	206	209	207	216	34	36	38	41	39	48	16.7%	17.5%	17.5%	18.3%	19.5%	18.7%	22.1%	
	5:00	296	18	39	353	358	369	360	363	361	369	57	62	64	67	65	73	16.0%	17.2%	17.7%	18.3%	17.9%	19.7%	
	6:00	568	36	38	642	669	717	655	662	661	691	74	101	149	87	94	12.3	11.5%	15.0%	20.7%	14.1%	14.0%	17.7%	
	7:00	896	41	49	986	1015	1069	999	1006	1005	1038	90	119	173	103	110	10.9	11.7%	11.7%	16.2%	10.3%	10.8%	13.6%	
	8:00	1466	65	44	1575	1603	1649	1596	1629	1595	1625	109	137	183	130	163	129	159	6.9%	8.5%	11.1%	8.1%	10.0%	8.1%
	9:00	2161	79	59	2299	2330	2375	2320	2355	2318	2344	138	169	214	159	194	157	183	6.0%	7.2%	9.0%	6.8%	7.8%	7.8%
	10:00	2819	103	60	2982	3012	3049	3003	3036	3000	3024	163	193	230	184	217	181	205	5.5%	6.4%	7.5%	6.1%	7.1%	6.0%
	11:00	3156	85	33	3274	3303	3339	3295	3324	3293	3315	118	147	183	139	168	137	159	3.6%	4.4%	4.2%	4.1%	4.8%	4.1%
	12:00	3047	94	45	3186	3213	3247	3205	3229	3204	3227	139	166	200	158	182	157	180	4.4%	5.2%	6.1%	4.9%	5.6%	4.9%
	13:00	2518	70	38	2626	2652	2690	2647	2670	2647	2671	108	134	172	129	152	129	153	4.1%	5.0%	6.4%	4.9%	5.7%	5.7%
	14:00	2516	83	36	2635	2658	2686	2653	2676	2652	2671	119	142	170	137	160	136	155	4.5%	5.3%	6.3%	5.1%	6.0%	5.1%
	15:00	2497	64	35	2596	2607	2617	2613	2637	2610	2620	99	110	120	116	140	113	123	3.8%	4.2%	4.6%	4.4%	5.3%	4.3%
	16:00	2426	57	26	2509	2514	2517	2524	2543	2522	2534	83	88	91	98	117	96	108	3.3%	3.5%	3.6%	3.9%	4.6%	3.8%
	17:00	2358	55	25	2438	2440	2441	2445	2452	2445	2455	80	82	83	87	94	87	97	3.3%	3.3%	3.4%	3.3%	3.8%	3.5%
	18:00	1997	41	12	2050	2050	2050	2054	2055	2055	2062	53	53	53	57	58	58	65	2.6%	2.6%	2.6%	2.8%	2.8%	3.2%
	19:00	1351	22	9	1382	1383	1383	1385	1388	1386	1395	31	32	32	34	37	35	44	2.3%	2.3%	2.3%	2.5%	2.5%	3.2%
	20:00	1050	28	18	1096	1097	1097	1100	1100	1101	1107	46	47	50	50	51	57	4.2%	4.3%	4.3%	4.6%	4.6%	5.2%	
	21:00	888	14	8	911	912	912	914	918	915	925	22	23	23	25	29	26	36	2.4%	2.5%	2.5%	3.2%	2.9%	3.9%
	22:00	818	13	19	851	851	852	855	858	857	865	32	32	33	36	39	38	46	3.8%	3.8%	3.9%	4.3%	4.6%	5.4%
	23:00	593	22	12	627	627	627	633	635	635	642	34	34	34	40	42	42	49	5.5%	5.5%	6.4%	6.7%	7.7%	7.7%
Daily	34834	1027	742	36603	36883	37275	36857	37145	36870	37224	1769	2049	2441	2023	2311	2036	2390	4.8%	5.6%	6.5%	6.2%	5.5%	6.4%	
% CT of HV																								
Day (6am-10pm)	31147	901	493	32542	32786	33118	32750	33015	32745	33010	1394	1638	1970	1602	1867	1597	1862	0.0%	13.7%	27.5%	12.8%	33.5%	13.1%	26.0%
% CT of HV																								
Night (10pm-7am)	3686	126	249	4061	4097	4157	4107	4130	4125	4214	375	411	471	421	444	439	528	9.2%	10.0%	11.3%	10.2%	10.7%	10.6%	12.5%
% CT of HV																								

		2018 Average Weekend 3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																														
Direction	Time	Base Volumes					Total Heavy Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only										
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J
Northbound (from PKCT)	0:00	329	8	19	356	356	362	365	364	372	27	27	27	33	36	35	43	7.5%	7.5%	7.5%	9.0%	9.8%	9.5%	11.5%	0	0	0	6	9	10	16	
	1:00	178	4	23	205	205	209	211	211	218	27	27	27	31	33	33	40	13.0%	13.0%	13.0%	14.7%	15.5%	15.5%	18.2%	0	0	0	4	6	6	13	
	2:00	121	6	28	155	155	158	159	159	166	34	34	34	37	38	38	45	21.7%	21.7%	21.7%	23.2%	23.7%	23.7%	26.9%	0	0	0	3	4	4	11	
	3:00	127	10	36	173	174	174	175	175	182	46	47	47	47	48	48	55	26.4%	26.4%	26.4%	26.8%	27.3%	27.3%	30.1%	0	1	1	1	2	2	9	
	4:00	210	17	34	261	262	264	265	265	272	51	52	52	54	55	55	62	19.4%	19.7%	19.7%	20.3%	20.6%	20.6%	22.7%	0	1	1	3	4	4	11	
	5:00	448	27	47	522	525	530	527	529	535	74	77	82	79	81	80	87	14.1%	14.6%	15.4%	14.9%	15.2%	15.1%	16.2%	0	3	8	5	7	6	13	
	6:00	744	39	55	838	847	873	845	849	849	866	94	103	129	101	105	122	11.2%	12.1%	14.7%	11.9%	12.3%	12.3%	14.0%	0	9	35	7	11	11	28	
	7:00	1026	58	49	1133	1165	1218	1149	1157	1188	107	139	192	123	131	129	162	9.4%	11.9%	15.7%	10.7%	11.3%	11.1%	13.6%	0	32	85	16	24	22	55	
	8:00	1511	83	59	1653	1680	1731	1668	1687	1701	142	169	220	157	176	159	190	8.6%	10.0%	12.7%	9.4%	10.4%	9.5%	11.1%	0	27	78	15	34	17	48	
	9:00	2110	76	38	2224	2252	2295	2246	2281	2244	2273	114	142	185	136	171	134	163	5.1%	6.3%	8.0%	6.0%	7.5%	6.0%	7.2%	0	28	71	22	57	20	49
	10:00	2513	81	53	2647	2679	2721	2667	2700	2666	2689	134	166	208	154	187	153	176	5.0%	6.2%	7.6%	5.8%	6.9%	5.7%	6.5%	0	32	74	20	53	19	42
	11:00	2876	85	46	3007	3035	3071	3028	3060	3026	3049	131	159	195	152	184	150	173	4.3%	5.2%	6.3%	5.0%	6.0%	4.9%	5.7%	0	28	64	21	53	19	42
	12:00	2958	102	38	3098	3129	3166	3118	3144	3116	3139	140	171	208	160	186	158	181	4.5%	5.5%	6.6%	5.1%	5.9%	5.1%	5.8%	0	31	68	20	46	18	41
	13:00	2888	83	26	2997	3022	3056	3017	3041	3016	3040	109	134	168	129	153	128	152	3.6%	4.4%	5.5%	4.3%	5.0%	4.2%	5.0%	0	25	59	20	44	19	43
	14:00	3045	71	27	3143	3169	3204	3147	3187	3164	3186	98	124	159	119	142	119	141	3.1%	3.9%	5.0%	3.7%	4.4%	3.7%	4.4%	0	26	61	21	44	21	43
	15:00	3223	72	35	3330	3350	3370	3347	3370	3344	3359	107	127	147	124	147	121	136	3.2%	3.8%	4.4%	3.7%	4.4%	3.6%	4.0%	0	20	40	17	40	14	29
	16:00	3551	62	25	3638	3646	3652	3655	3677	3652	3664	87	95	101	104	126	101	113	2.4%	2.6%	2.8%	2.8%	3.4%	2.8%	3.1%	0	8	14	17	39	14	26
	17:00	3385	67	27	3479	3484	3486	3492	3508	3491	3503	94	99	101	107	123	106	118	2.7%	2.8%	2.9%	3.1%	3.5%	3.0%	3.4%	0	5	7	13	29	12	24
	18:00	2458	53	14	2525	2526	2527	2530	2533	2531	2540	67	68	69	72	75	73	82	2.7%	2.7%	2.7%	2.9%	3.0%	2.9%	3.2%	0	1	2	5	8	6	15
	19:00	1588	30	13	1631	1631	1631	1634	1635	1635	1642	43	43	43	46	47	47	54	2.6%	2.6%	2.6%	2.8%	2.9%	2.9%	3.3%	0	0	0	3	4	4	11
	20:00	1166	25	14	1205	1206	1206	1209	1211	1210	1218	39	40	40	43	45	44	52	3.2%	3.3%	3.3%	3.3%	3.7%	3.6%	4.3%	0	1	1	4	6	5	13
	21:00	848	15	13	877	878	878	880	881	881	888	28	29	29	31	32	32	39	3.2%	3.3%	3.3%	3.3%	3.7%	3.6%	4.4%	0	1	1	3	4	4	11
	22:00	654	9	12	676	677	677	680	683	682	690	21	22	22	25	28	27	35	3.2%	3.3%	3.3%	3.7%	4.2%	4.0%	5.1%	0	1	1	4	7	6	14
	23:00	463	8	15	486	486	487	490	493	492	500	23	23	24	27	30	29	37	4.8%	4.8%	5.0%	5.6%	6.2%	6.0%	7.5%	0	0	1	4	7	6	14
	Daily	38423	1091	740	40254	40534	40926	40508	40796	40521	40875	1831	2111	2503	2085	2373	2098	2452	4.5%	5.2%	6.1%	5.1%	5.8%	5.2%	6.0%	0	280	672	254	542	267	621
% CT of HV																		0.0%	13.3%	26.8%	12.2%	22.8%	12.7%	25.3%								
Day (6am-10pm)		963	473	36584	36849	37209	36801	37069	36798	37076	1436	1701	2061	1653	1921	1650	1928	3.9%	4.6%	5.5%	4.5%	5.2%	4.5%	5.2%	0	265	625	217	485	214	492	
% CT of HV																		0.0%	15.6%	30.3%	13.1%	25.2%	13.0%	25.5%								
Night (10pm-7am)		3275	128	267	3670	3685	3717	3707	3727	3723	3799	395	410	442	432	452	448	10.8%	11.1%	11.9%	11.7%	12.1%	12.0%	13.8%	0	15	47	37	57	53	129	
% CT of HV																		0.0%	3.7%	10.6%	8.6%	12.6%	11.8%	24.6%								

		2018 Average Weekend																										
		3. Southern Freeway F6, West Wollongong north of Princes Hwy Interchange (N) and under Reserve Rd bridge (S)																										
Direction	Time	Base Volumes						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only								
		A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F			
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6			
Two-Way	0:00	889	19	54	962	962	962	978	976	992	992	73	73	73	83	83	89	87	103	103	7.6%	7.6%	8.0%	9.1%	8.9%	10.4%		
	1:00	503	10	49	562	562	570	572	574	586	586	59	59	59	69	69	71	71	83	88	10.5%	10.5%	11.8%	12.1%	12.4%	14.2%		
	2:00	338	12	55	405	406	409	412	411	426	411	67	68	71	74	73	88	88	16.8%	16.8%	17.4%	18.0%	17.8%	20.7%	0	1		
	3:00	267	16	61	344	346	348	349	350	363	363	77	79	81	82	83	96	96	22.4%	22.9%	23.3%	23.5%	23.8%	26.5%	0	2		
	4:00	378	25	59	462	465	469	473	471	487	487	84	87	91	95	93	109	109	18.2%	18.7%	19.4%	20.1%	19.8%	22.4%	0	3		
	5:00	745	45	85	875	883	892	892	889	904	130	138	154	142	147	144	159	149	14.9%	15.6%	17.1%	16.0%	16.5%	17.6%	0	8		
	6:00	1313	75	92	1480	1516	1500	1511	1510	1557	167	203	277	187	198	197	244	244	11.3%	13.4%	17.4%	12.5%	13.1%	13.1%	15.7%	0	36	
	7:00	1922	99	97	2118	2179	2286	2147	2162	2159	2225	196	257	364	229	240	237	303	303	9.3%	11.8%	15.9%	10.5%	11.1%	11.0%	13.6%	0	61
	8:00	2977	148	102	3227	3282	3379	3263	3315	3264	3325	250	305	402	286	338	287	348	7.8%	9.3%	11.9%	8.8%	10.2%	8.8%	10.5%	0	55	
	9:00	4021	155	96	4522	4581	4669	4565	4635	4561	4616	251	310	398	294	364	290	345	3.5%	4.0%	4.4%	4.0%	4.8%	3.9%	4.3%	0	31	
	10:00	5332	184	112	5628	5690	5769	5669	5735	5665	5712	296	358	437	337	403	333	380	5.3%	6.3%	6.3%	5.9%	7.0%	5.9%	6.7%	0	62	
	11:00	6032	170	78	6280	6337	6409	6322	6383	6318	6365	248	305	377	290	351	286	331	4.0%	4.8%	5.9%	4.6%	5.5%	4.5%	5.2%	0	57	
	12:00	6005	196	82	6283	6341	6412	6322	6372	6319	6365	278	336	407	317	367	314	360	4.4%	5.3%	6.4%	5.0%	5.8%	5.0%	5.7%	0	58	
	13:00	5407	153	63	5623	5674	5746	5664	5711	5663	5711	216	267	339	257	304	256	304	3.8%	4.7%	5.9%	4.5%	5.3%	4.5%	5.3%	0	51	
	14:00	5562	154	62	5778	5827	5890	5817	5863	5816	5857	216	265	328	255	301	254	295	3.7%	4.6%	5.6%	4.4%	5.1%	4.4%	5.0%	0	49	
	15:00	5720	136	69	5925	5956	5986	5959	6006	5953	5978	205	236	266	239	286	233	258	3.5%	4.0%	4.4%	4.0%	4.8%	3.9%	4.3%	0	31	
	16:00	5977	119	50	6146	6159	6168	6178	6219	6173	6197	169	182	191	201	242	196	220	2.8%	3.0%	3.1%	3.3%	3.9%	3.2%	3.6%	0	13	
	17:00	5743	122	51	5916	5923	5926	5936	5959	5935	5957	173	180	183	193	216	192	214	2.9%	3.0%	3.1%	3.3%	3.6%	3.2%	3.6%	0	7	
	18:00	4455	94	26	4575	4576	4577	4584	4588	4586	4602	120	121	122	129	133	131	147	2.6%	2.6%	2.7%	2.8%	2.9%	2.9%	3.2%	0	1	
	19:00	2939	52	22	3013	3014	3014	3019	3023	3021	3037	74	75	75	80	84	82	98	2.5%	2.5%	2.5%	2.7%	2.8%	2.7%	3.2%	0	1	
	20:00	2216	53	32	2301	2303	2303	2309	2311	2311	2325	85	87	87	93	95	95	109	3.7%	3.8%	3.8%	4.0%	4.1%	4.1%	4.7%	0	2	
	21:00	1737	29	21	1787	1789	1789	1793	1798	1795	1812	50	52	52	56	61	58	75	2.8%	2.9%	2.9%	3.1%	3.4%	3.2%	4.2%	0	2	
	22:00	1473	22	32	1527	1528	1529	1535	1541	1539	1555	54	55	56	62	68	66	82	3.5%	3.6%	3.7%	4.0%	4.4%	4.3%	5.3%	0	1	
	23:00	1056	30	28	1114	1114	1115	1124	1129	1128	1143	58	58	59	68	73	72	87	5.2%	5.2%	5.3%	6.0%	6.5%	6.4%	7.6%	0	0	
Daily	73257	2118	1482	76857	77417	78201	77365	77941	77391	78099	3600	4160	4944	4108	4684	4134	4842	4.7%	5.4%	6.3%	5.3%	6.0%	5.3%	6.2%	6.2%	0	560	
% CT of HV																												
Day (6am-10pm)		66295	1864	966	69125	69634	70326	69550	70083	69542	70085	2830	3339	4031	3255	3788	3247	3790	4.1%	4.8%	5.7%	4.7%	5.4%	4.7%	5.4%	0	509	
% CT of HV																												
Night (10pm-7am)		6962	254	516	7732	7783	7875	7815	7858	7849	8014	770	821	913	853	896	887	1052	10.0%	10.5%	11.6%	10.9%	11.4%	11.3%	13.1%	0	51	
% CT of HV																												

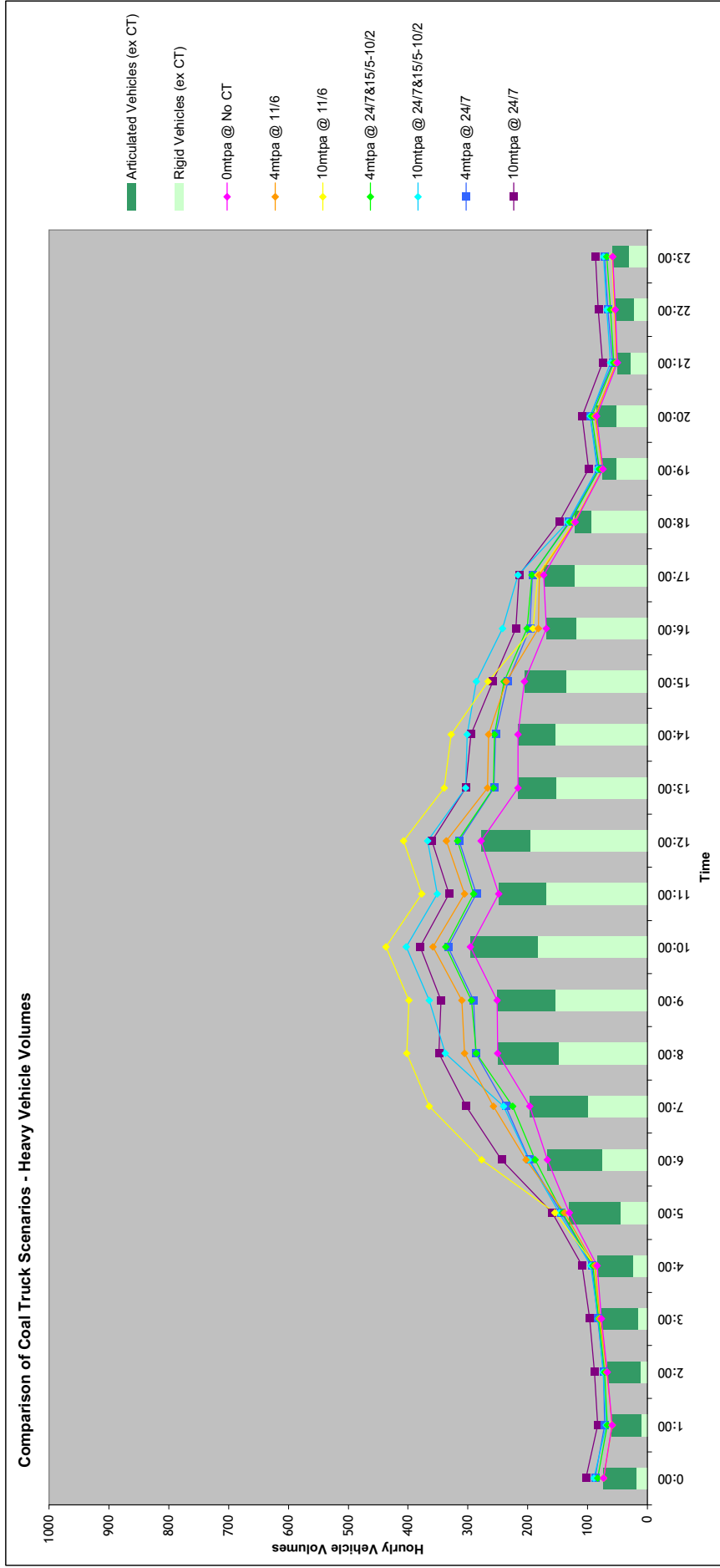
2018 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



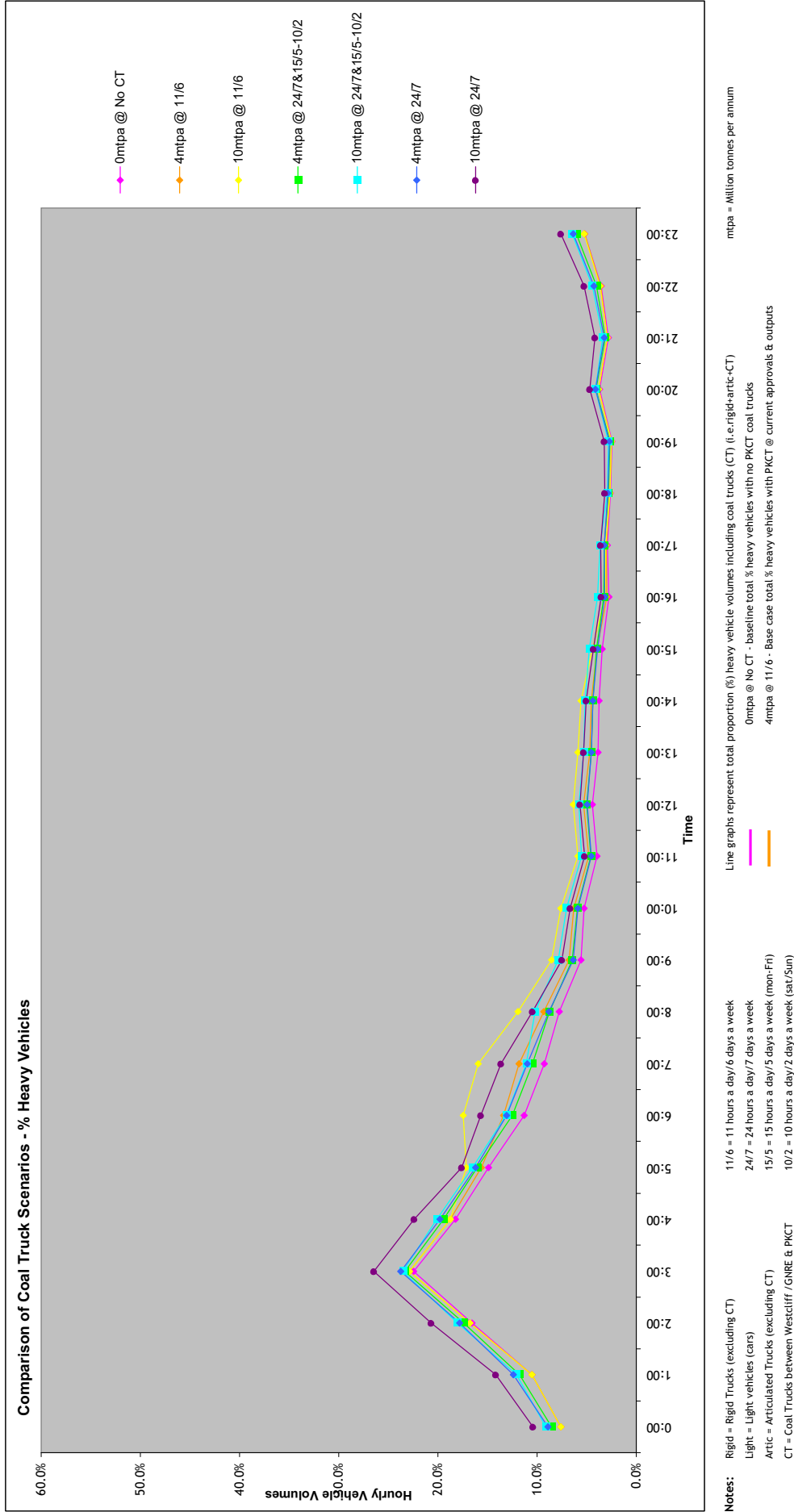
2018 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)



2018 Average Weekend

3. Southern Freeway F6, West Wollongong north of Princes Hwy interchange (N) and under Reserve Rd bridge (S)

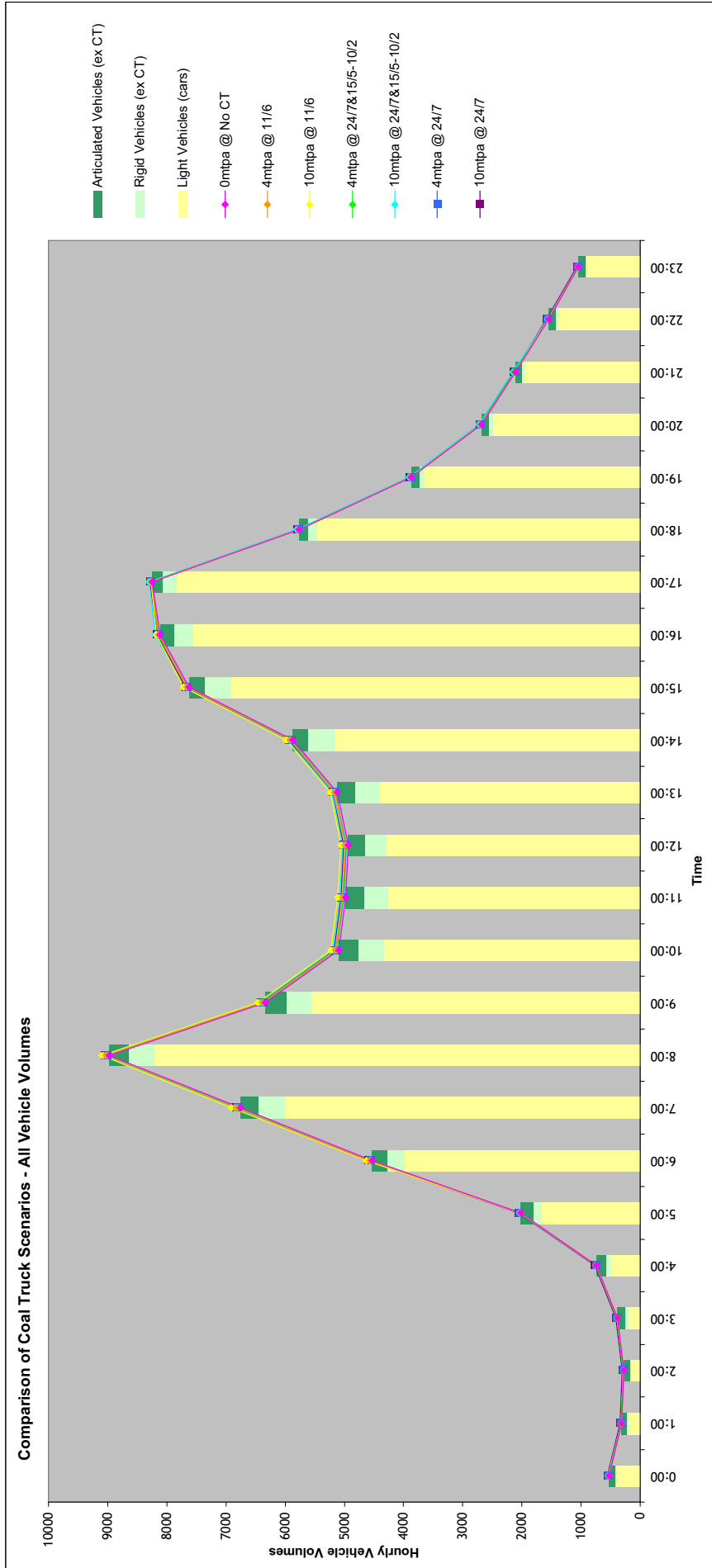


2018 Average Weekday
4. Southern Freeway F6, West Wollongong South of Princess Hwy near Footbridge

Direction	Time	Total Vehicles Including Coal Trucks														% Heavy Vehicles Including Coal Trucks													
		Base Volumes							Total Heavy Vehicles Including Coal Trucks							Total Heavy Vehicles Including Coal Trucks							Coal Trucks Only						
		A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
Northbound (from P&CT)	0:00	140	10	49	199	204	206	214	59	59	64	65	65	74	29.5%	29.5%	31.2%	31.9%	31.6%	34.3%	0	0	5	5	5	7	6	15	
	1:00	72	8	42	122	127	129	137	50	50	55	57	56	65	40.8%	40.8%	43.1%	44.0%	43.6%	47.3%	0	0	0	0	0	5	7	15	
	3:00	130	32	98	260	261	263	264	131	131	133	134	135	142	49.9%	50.1%	50.5%	50.7%	50.9%	52.1%	0	1	1	1	3	4	5	12	
	4:00	375	96	110	541	545	547	547	166	167	170	172	172	180	30.6%	30.8%	31.1%	31.4%	31.4%	32.8%	0	1	2	4	6	6	14		
	5:00	1255	88	116	1459	1461	1462	1466	1470	1468	1478	204	206	211	215	14.1%	14.1%	14.1%	14.1%	14.5%	15.1%	0	2	3	7	11	9	19	
	6:00	2417	154	131	2702	2711	2729	2711	2716	2714	2731	285	294	312	294	10.5%	10.8%	11.4%	11.0%	10.9%	11.5%	0	9	27	9	14	12	29	
	7:00	3471	240	156	3867	3905	3949	3886	3907	3887	3912	396	434	478	415	10.2%	11.1%	12.1%	10.7%	10.7%	11.3%	0	38	82	19	40	20	45	
	8:00	4947	235	166	5348	5372	5409	5366	5398	5387	5387	401	425	462	419	7.5%	7.9%	8.5%	8.3%	8.3%	8.2%	0	24	61	18	50	17	39	
	9:00	3246	214	193	3653	3677	3715	3672	3702	3671	3694	407	431	469	426	11.7%	11.7%	11.6%	12.3%	11.6%	12.4%	0	24	62	19	49	18	41	
	10:00	2292	193	181	2666	2695	2734	2685	2716	2684	2705	374	403	442	393	14.0%	14.9%	16.2%	14.6%	14.6%	15.3%	0	29	68	19	50	18	39	
	11:00	2221	188	163	2572	2599	2637	2591	2619	2589	2610	351	378	416	370	13.6%	13.6%	13.5%	14.3%	13.7%	14.9%	0	27	65	19	47	17	38	
	12:00	2202	178	129	2509	2538	2575	2530	2558	2528	2550	307	336	373	328	12.2%	13.2%	14.5%	13.0%	13.9%	13.6%	0	29	66	21	49	19	41	
	13:00	2230	196	142	2568	2592	2626	2586	2613	2584	2606	338	362	396	356	13.1%	14.0%	15.1%	13.8%	14.6%	14.4%	0	24	58	18	45	16	38	
	14:00	2495	207	106	2808	2834	2871	2828	2856	2826	2850	313	339	376	333	11.1%	11.9%	13.1%	11.8%	12.6%	12.4%	0	26	63	20	48	18	42	
	15:00	3371	175	106	3652	3674	3707	3669	3697	3668	3687	281	303	336	298	7.7%	8.2%	9.1%	8.8%	8.1%	8.4%	0	22	55	17	45	16	35	
	16:00	3442	149	106	3697	3709	3732	3712	3737	3709	3726	255	267	290	270	6.9%	7.2%	7.8%	7.3%	7.9%	7.6%	0	12	35	15	40	12	29	
	17:00	3480	85	87	3652	3659	3669	3665	3685	3663	3675	172	179	189	185	5.0%	4.9%	5.1%	5.0%	5.6%	5.3%	0	7	17	13	33	11	23	
	18:00	2369	82	75	2526	2527	2528	2534	2550	2534	2544	157	158	159	165	6.2%	6.3%	6.3%	7.1%	6.5%	6.9%	0	1	2	8	24	8	18	
	19:00	1435	32	53	1520	1520	1520	1526	1539	1526	1535	85	85	85	91	5.6%	5.6%	6.0%	6.8%	6.0%	6.5%	0	0	0	0	6	19	6	15
	20:00	1005	21	60	1086	1087	1087	1093	1105	1093	1101	81	82	82	88	7.6%	7.6%	8.1%	9.1%	8.1%	8.7%	0	1	1	7	19	7	15	
	21:00	821	19	54	895	896	896	902	919	900	909	73	74	74	80	8.2%	8.3%	8.9%	10.6%	8.7%	9.6%	0	1	1	7	24	5	14	
	22:00	622	17	57	697	698	699	701	703	702	711	74	75	76	78	10.7%	10.8%	11.2%	11.4%	11.3%	12.4%	0	1	2	4	6	5	14	
	23:00	357	13	53	423	424	424	428	430	429	438	66	67	67	71	15.7%	15.9%	16.7%	17.1%	16.9%	18.6%	0	1	1	5	7	6	15	
	Daily	44473	2613	2476	49562	49842	50234	49834	49834	49831	50181	5089	5369	5761	5369	10.3%	10.8%	11.5%	10.8%	11.4%	11.4%	0	280	672	272	650	269	619	
	% CT of HV	39028	2214	1773	43016	43281	43652	43242	43598	43224	43488	3987	4252	4623	4213	5.2%	5.2%	5.1%	5.1%	5.0%	5.0%	0	265	636	226	582	208	472	
	Day (6am-10pm)															0.0%	9.3%	10.6%	9.7%	10.5%	9.7%	10.3%	0	636	226	582	208	472	
% CT of HV															6.2%	13.8%	5.4%	12.7%	5.0%	10.6%	0	15	36	46	68	61	147		
Night (10pm-7am)	5444	399	703	6546	6561	6582	6592	6614	6607	6693	1102	1117	1138	1148	16.8%	17.0%	17.3%	17.7%	17.6%	18.7%	0	15	36	46	68	61	147		
% CT of HV															0.0%	1.3%	3.2%	4.0%	5.8%	5.2%	11.8%	0	15	36	46	68	61	147	

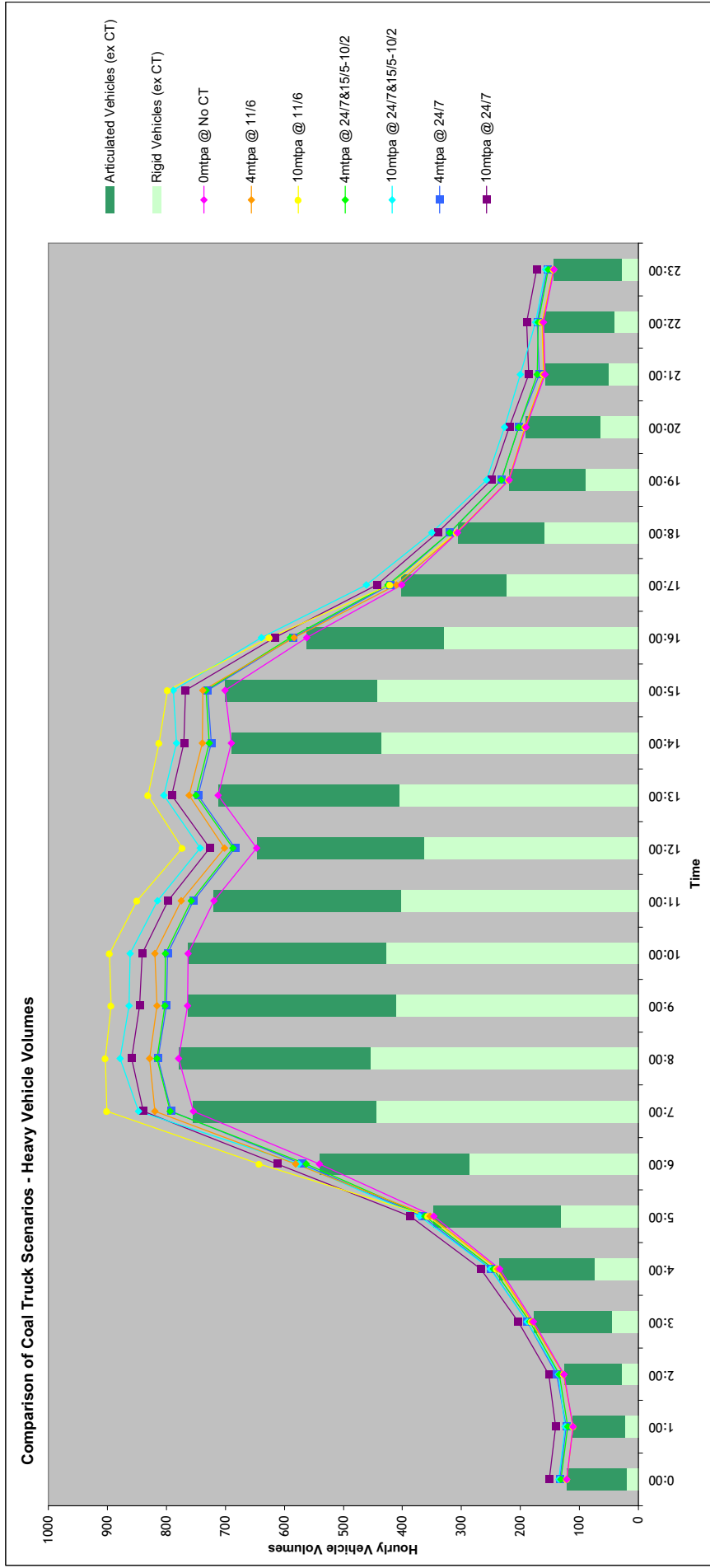
2018 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



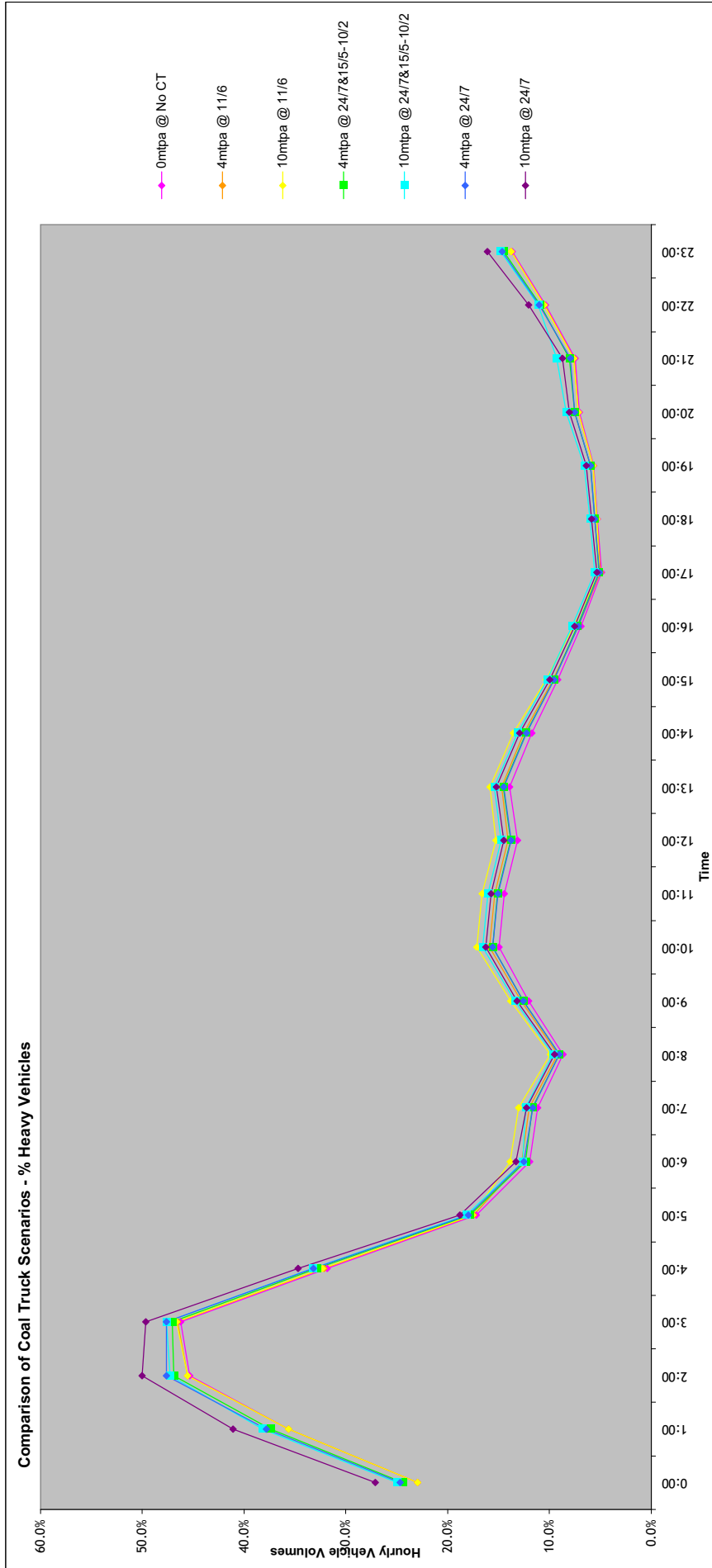
2018 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



2018 Average Weekday

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge

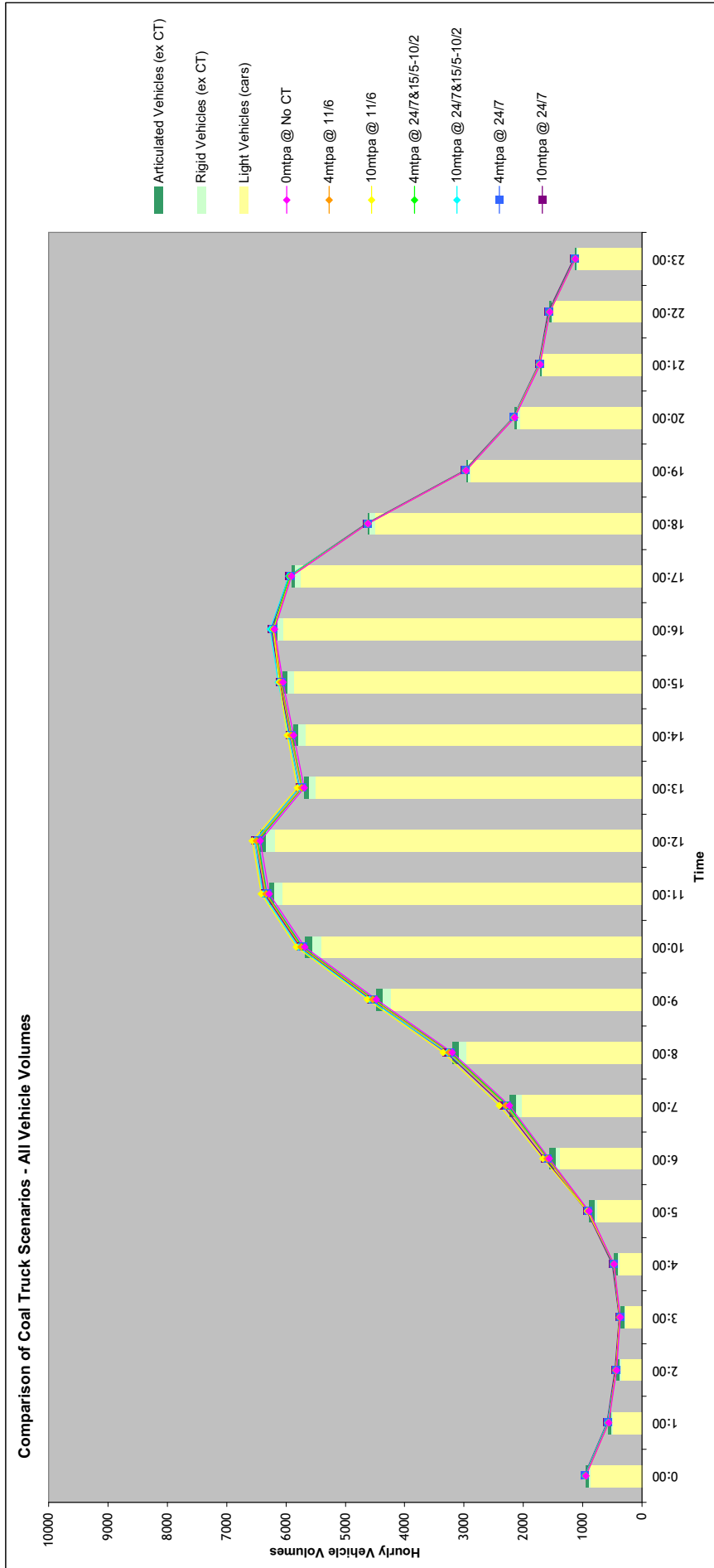


Direction	Time	2018 Average Weekend 4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge																																
		Base Volumes										Total Vehicles Including Coal Trucks										% Heavy Vehicles Including Coal Trucks												
		Articulated Vehicles (ex CT)					Rigid Vehicles (ex CT)					Total Heavy Vehicles Including Coal Trucks					Heavy Vehicles Including Coal Trucks					Coal Trucks Only												
		A	B	D	E	G	A	B	D	E	G	A	B	D	E	G	A	B	D	E	G	A	B	D	E	G								
		334	10	17	361	361	367	370	369	377	27	27	33	33	36	35	35	43	7.4%	7.4%	8.9%	9.6%	9.6%	0	0	0	6	9	16	16				
		198	6	23	227	227	231	233	233	240	29	29	33	33	35	35	42	12.6%	12.6%	14.1%	14.9%	14.9%	0	0	0	4	6	13	13					
		143	7	31	181	181	184	185	192	38	38	41	42	42	42	49	20.8%	20.8%	22.1%	22.5%	22.5%	0	0	0	3	4	11	11						
		147	11	37	195	196	196	197	204	48	49	49	49	50	50	57	24.5%	24.8%	24.8%	25.2%	25.2%	27.8%	0	1	1	1	2	7	9					
		214	17	37	268	269	271	272	279	74	74	77	78	77	77	84	13.4%	13.9%	14.7%	14.2%	14.2%	23.2%	0	1	1	3	4	11	11					
		456	22	49	530	533	534	535	540	71	74	79	76	76	79	84	13.4%	14.3%	14.2%	14.2%	14.5%	15.5%	0	3	5	7	6	13	13					
		781	36	62	879	888	914	886	890	907	98	107	133	105	109	109	126	11.1%	12.0%	11.8%	12.2%	12.2%	13.8%	0	9	35	7	11	28	28				
		1063	64	52	1179	1211	1264	1195	1203	1234	116	148	201	132	140	138	171	9.8%	12.2%	11.0%	11.6%	11.5%	13.8%	0	32	85	16	24	55	55				
		1508	64	63	1635	1662	1713	1650	1669	1683	127	154	205	142	161	144	175	7.7%	9.2%	11.9%	8.6%	8.7%	10.4%	0	27	78	15	34	17	48				
		2095	58	45	2198	2226	2269	2220	2255	2247	103	131	174	125	160	123	152	4.7%	5.9%	7.1%	5.6%	5.5%	6.7%	0	28	71	22	57	20	49				
		2551	64	59	2674	2706	2748	2694	2727	2693	123	155	197	143	176	142	165	4.6%	5.7%	7.2%	5.3%	5.3%	6.1%	0	32	74	20	53	19	42				
		2950	54	45	3049	3077	3113	3070	3102	3068	3091	99	127	163	120	152	118	3.2%	4.1%	5.2%	3.9%	4.2%	4.9%	0	28	64	21	53	19	42				
		3088	76	41	3205	3236	3273	3225	3251	3223	3246	117	148	185	137	163	135	3.6%	4.6%	5.6%	4.2%	5.0%	4.9%	0	31	68	20	46	18	41				
		2993	57	27	3077	3102	3136	3097	3121	3096	3120	84	109	143	104	128	103	2.7%	3.5%	4.5%	3.3%	4.1%	4.1%	0	25	59	20	44	19	43				
		3167	58	27	3252	3278	3313	3273	3296	3273	3295	85	111	146	106	129	106	2.6%	3.4%	4.4%	3.2%	3.9%	3.9%	0	26	61	21	44	21	43				
		3380	54	37	3471	3491	3511	3488	3511	3485	3500	91	111	131	108	131	105	2.6%	3.2%	3.7%	3.1%	3.7%	3.4%	0	20	40	17	40	14	29				
		3692	50	27	3769	3777	3783	3786	3808	3783	3795	77	85	91	94	116	91	2.0%	2.2%	2.4%	2.5%	2.3%	2.4%	0	8	14	17	39	14	26				
		3538	46	24	3608	3613	3615	3621	3637	3620	3632	70	75	77	83	99	82	94	1.9%	2.1%	2.1%	2.3%	2.7%	2.6%	0	5	7	13	29	12	24			
		2595	43	18	2656	2657	2658	2661	2664	2662	2671	61	62	63	66	69	67	76	2.3%	2.3%	2.4%	2.5%	2.6%	2.8%	0	1	2	5	8	6	15			
		1646	24	14	1684	1684	1684	1687	1688	1688	1695	38	38	38	41	42	42	49	2.3%	2.3%	2.4%	2.5%	2.5%	2.9%	0	0	0	3	4	4	11			
		1103	26	16	1145	1146	1146	1149	1151	1150	1158	42	43	43	46	48	47	55	3.7%	3.8%	3.8%	4.0%	4.2%	4.1%	0	1	1	4	6	5	13			
		851	10	14	876	877	877	879	880	880	887	24	25	25	27	28	28	35	2.8%	2.9%	2.9%	3.1%	3.2%	4.0%	0	1	1	3	4	4	11			
		709	11	12	733	734	734	737	740	739	747	23	24	24	27	30	29	37	3.2%	3.3%	3.7%	4.1%	4.0%	5.0%	0	1	1	4	7	6	14			
		476	8	15	499	499	500	503	506	505	513	23	23	24	27	30	29	37	4.7%	4.7%	4.9%	5.4%	5.8%	7.3%	0	0	1	4	7	6	14			
	Daily	39681	876	786	41343	41623	42015	41597	41885	41610	41964	1662	1942	2334	1916	2204	1929	2283	4.0%	4.7%	5.6%	4.6%	5.3%	4.6%	0	280	672	254	542	267	621			
	% CT of HV																		0.0%	14.4%	28.8%	13.3%	24.6%	13.8%	27.2%									
	Day (6am-10pm)	36221	748	505	37475	37740	38100	37692	37960	37689	37967	1253	1518	1878	1470	1738	1467	1745	3.3%	4.0%	4.9%	4.6%	4.6%	3.9%	4.6%	0	265	625	217	485	214	492		
	% CT of HV																		0.0%	17.5%	33.3%	14.8%	27.9%	14.6%	28.2%									
	Night (10pm-7am)	3459	128	281	3868	3883	3915	3905	3925	3921	3997	409	424	456	446	466	462	538	10.6%	10.9%	11.6%	11.4%	11.9%	11.8%	13.5%	0	15	47	37	57	53	129		
	% CT of HV																		0.0%	3.5%	10.3%	8.3%	12.2%	11.5%	24.0%									

Direction		2018 Average Weekend 4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge																															
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only							
		A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J
	Light Vehicles (cars)	871	23	54	948	962	964	978	978	77	77	77	77	87	93	91	107	8.1%	8.1%	8.1%	8.1%	9.1%	9.1%	9.5%	9.5%	11.0%	0	0	0	10	16	14	30
	Rigid Vehicles (ex CT)	501	14	52	567	575	577	579	591	66	66	66	69	74	76	78	90	11.7%	11.7%	11.7%	11.7%	12.9%	13.2%	13.5%	15.3%	0	0	0	8	10	12	24	
	Articulated Vehicles (ex CT)	360	13	60	433	434	434	439	454	73	74	74	77	80	79	80	79	94	16.9%	17.1%	17.7%	18.2%	17.7%	18.0%	20.7%	0	1	1	4	7	6	21	
		290	17	62	369	371	371	374	375	388	79	81	81	83	84	85	85	98	21.4%	21.9%	22.3%	22.5%	22.5%	22.7%	25.3%	0	2	2	4	5	6	19	
		388	21	62	471	474	474	478	482	480	83	86	86	90	94	92	108	17.7%	18.2%	18.2%	18.2%	18.9%	19.5%	19.2%	21.8%	0	3	3	7	11	9	25	
		762	39	96	897	905	921	909	914	911	926	135	143	159	147	152	149	164	15.1%	15.8%	16.2%	16.6%	16.6%	16.4%	17.7%	0	8	24	12	17	14	29	
		1391	71	102	1564	1600	1674	1594	1595	1641	173	209	283	193	204	203	250	11.1%	13.1%	16.9%	12.2%	12.8%	12.7%	15.2%	0	36	110	20	31	30	77		
		2027	108	100	2235	2296	2403	2279	2276	2342	208	269	376	237	252	249	315	9.3%	11.7%	15.7%	10.5%	11.1%	10.9%	13.5%	0	61	168	29	44	41	107		
		2957	131	107	3195	3250	3347	3231	3283	3232	3293	390	274	326	275	326	275	336	7.5%	9.0%	11.7%	8.5%	9.9%	8.5%	10.2%	0	55	152	36	88	37	98	
		4029	130	111	4480	4539	4627	4523	4593	4519	4574	241	300	388	284	354	280	335	5.4%	6.6%	8.4%	6.3%	7.7%	6.2%	7.3%	0	59	147	43	113	39	94	
		5405	152	127	5684	5746	5825	5725	5791	5721	5768	279	341	420	320	386	316	363	4.9%	5.9%	7.2%	5.6%	6.7%	5.5%	6.3%	0	62	141	41	107	37	84	
		6071	133	79	6283	6340	6412	6325	6386	6321	6366	212	269	341	254	315	250	295	3.4%	4.2%	5.3%	4.0%	4.9%	4.0%	4.6%	0	57	129	42	103	38	83	
		6191	158	89	6438	6496	6567	6477	6527	6474	6520	247	305	376	286	336	283	329	3.8%	4.7%	5.7%	4.4%	5.2%	4.4%	5.0%	0	58	129	39	89	36	82	
		5503	115	71	5689	5740	5812	5730	5777	5729	5777	186	237	309	227	274	226	274	3.3%	4.1%	5.3%	4.0%	4.7%	3.9%	4.7%	0	51	123	41	88	40	88	
		5679	122	67	5868	5917	5980	5907	5953	5906	5947	189	238	301	228	274	227	268	3.2%	4.0%	5.0%	3.9%	4.6%	3.8%	4.5%	0	49	112	39	85	38	79	
		5868	107	76	6051	6082	6112	6085	6132	6079	6104	183	214	244	217	264	211	236	3.0%	3.5%	4.0%	3.6%	4.3%	3.5%	3.9%	0	31	61	34	81	28	53	
		6047	90	55	6192	6205	6214	6224	6265	6219	6243	145	158	167	177	218	172	196	2.3%	2.5%	2.7%	2.8%	3.5%	2.8%	3.1%	0	13	22	32	73	27	51	
		5768	90	52	5910	5917	5920	5930	5953	5929	5951	142	149	152	162	185	161	183	2.4%	2.4%	2.6%	2.7%	3.1%	2.7%	3.1%	0	7	10	20	43	19	41	
		4508	81	29	4618	4619	4620	4627	4631	4629	4645	110	111	112	119	123	121	137	2.4%	2.4%	2.4%	2.6%	2.7%	2.6%	3.0%	0	1	2	9	13	11	27	
		2894	48	24	2966	2967	2967	2976	2974	2990	72	73	73	73	78	82	80	96	2.4%	2.5%	2.5%	2.6%	2.8%	2.7%	3.2%	0	1	1	6	10	8	24	
		2057	55	36	2148	2150	2156	2158	2158	2172	91	93	93	99	101	101	115	115	2.7%	2.9%	2.9%	3.1%	3.4%	3.2%	4.1%	0	2	2	6	11	8	25	
		1672	24	23	1719	1721	1721	1725	1730	1727	1744	47	49	49	53	58	55	72	2.7%	2.9%	2.9%	3.1%	3.4%	3.2%	4.1%	0	2	2	6	11	10	24	
		1496	24	34	1554	1555	1556	1562	1568	1582	58	59	60	66	72	70	86	3.7%	3.8%	3.8%	4.2%	4.6%	4.5%	5.4%	0	1	2	8	14	12	28		
		1068	29	27	1124	1124	1125	1134	1139	1138	1153	56	56	57	66	71	70	85	5.0%	5.0%	5.1%	5.8%	6.2%	6.1%	7.4%	0	1	1	10	15	14	29	
	Daily	74013	1795	1599	77407	77967	78751	77915	78491	77941	78649	3394	3954	4738	3902	4478	3928	4636	4.4%	5.1%	6.0%	5.0%	5.7%	5.0%	5.9%	0	560	1344	508	1084	534	1242	
	% CT of HV																		0.0%	14.2%	28.4%	13.0%	24.2%	13.6%	26.8%								
	Day (6am-10pm)	66886	1544	1049	69479	69988	70680	69904	70437	69896	70439	2593	3102	3794	3018	3551	3010	3553	3.7%	4.4%	5.4%	4.3%	5.0%	4.3%	5.0%	0	509	1201	425	958	477	960	
	% CT of HV																		0.0%	16.4%	31.7%	14.1%	27.0%	13.9%	27.0%								
	Night (10pm-7am)	7127	251	550	7928	7979	8071	8011	8054	8045	8210	801	852	944	884	927	918	1083	10.1%	10.7%	11.7%	11.0%	11.5%	11.4%	13.2%	0	51	143	83	126	117	282	
	% CT of HV																		0.0%	6.0%	15.1%	9.4%	13.6%	12.7%	26.0%								

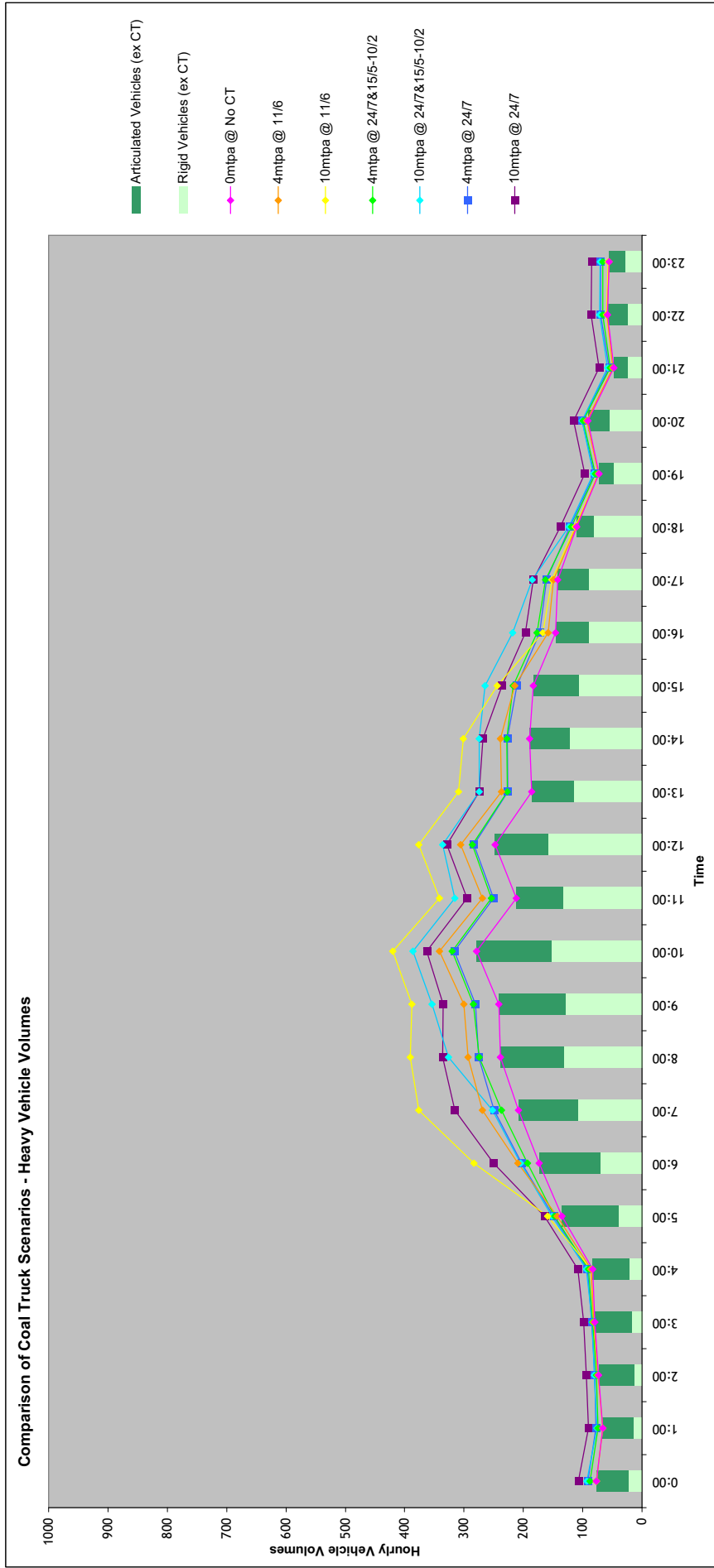
2018 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



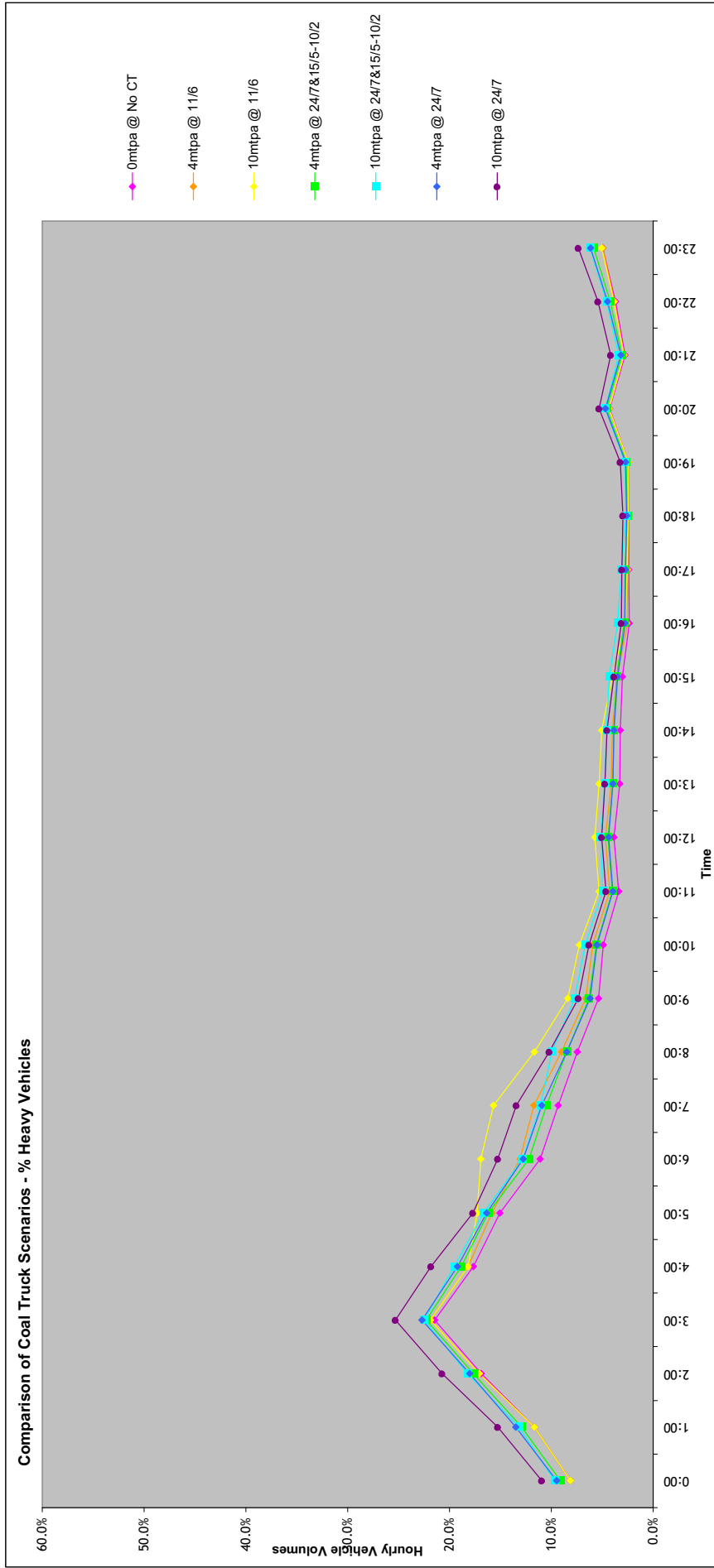
2018 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



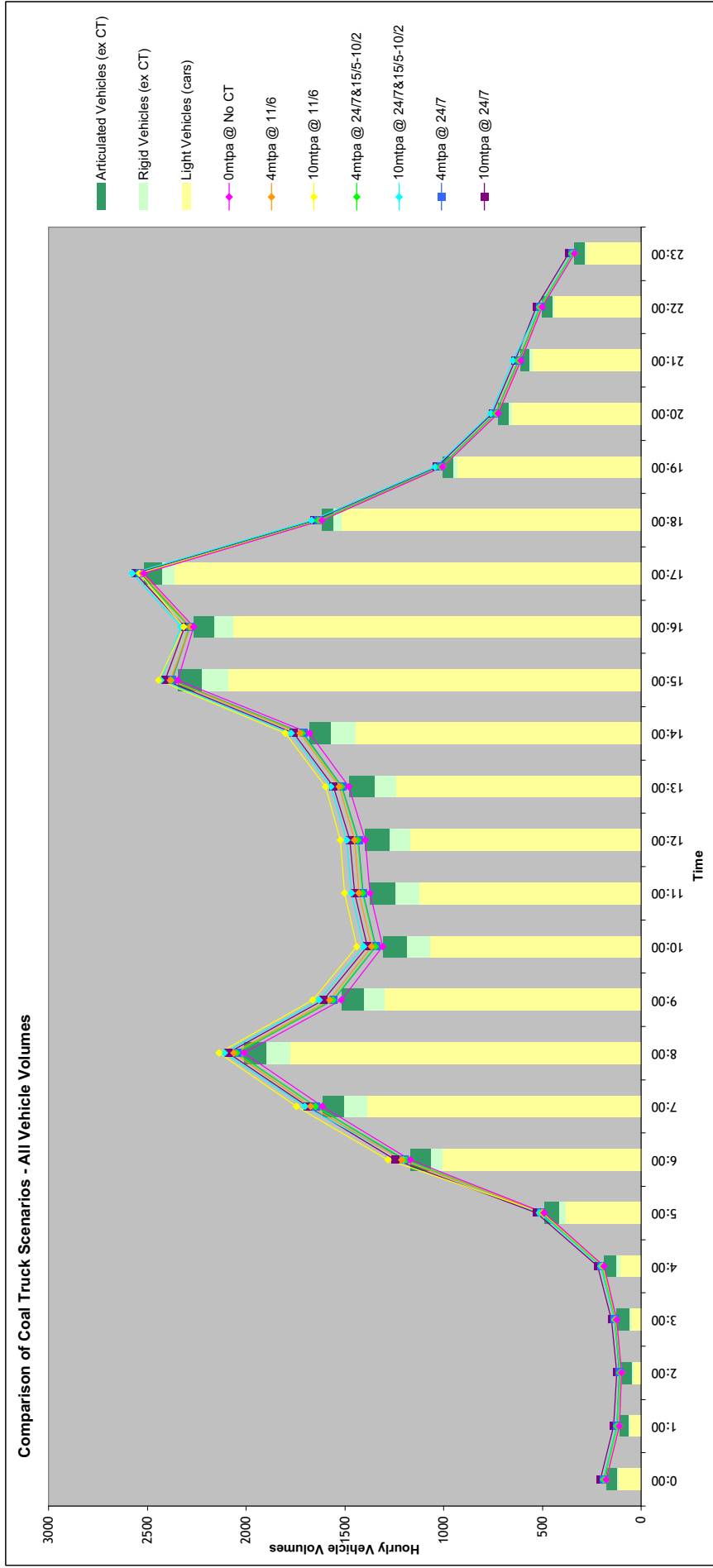
2018 Average Weekend

4. Southern Freeway F6, West Wollongong South of Princess Hwy near footbridge



2018 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd

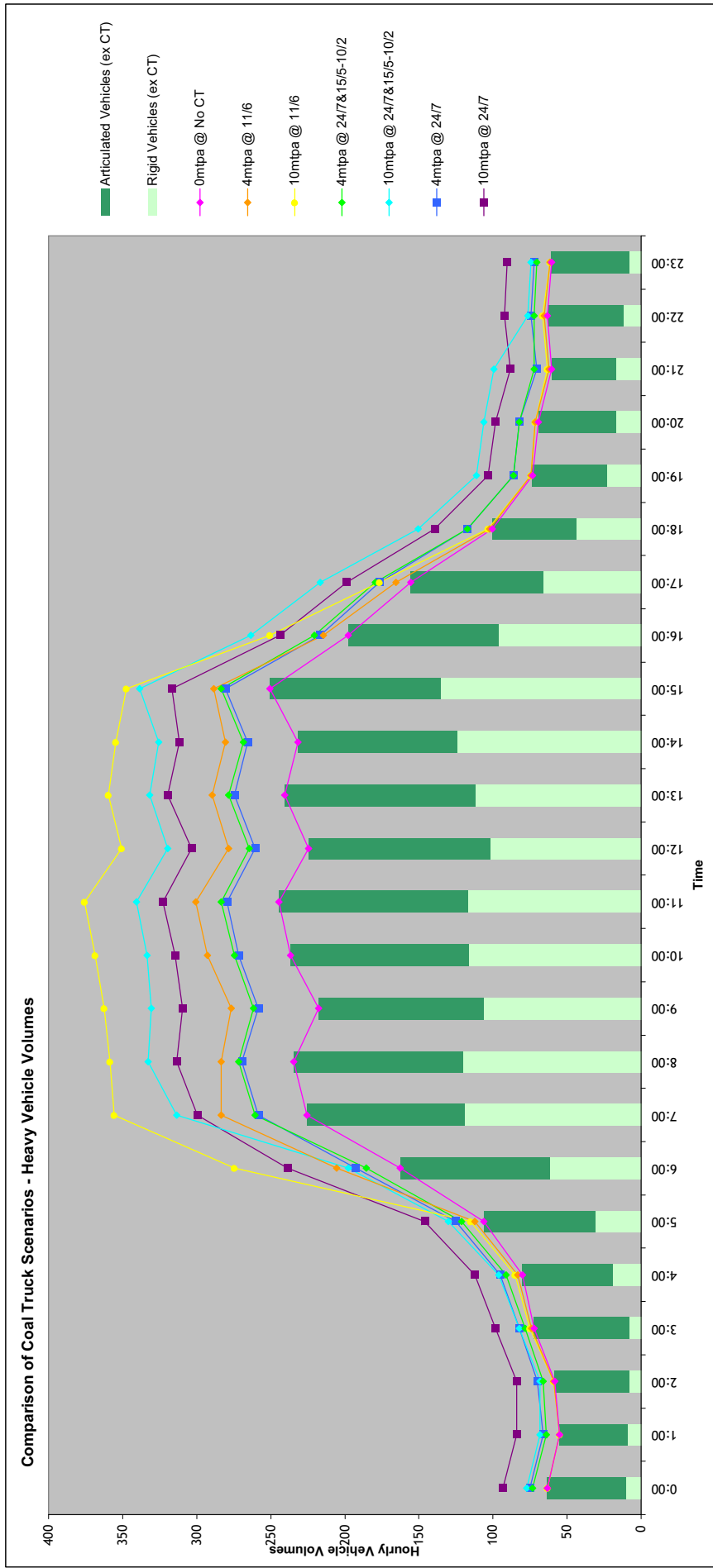


Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff /GHRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

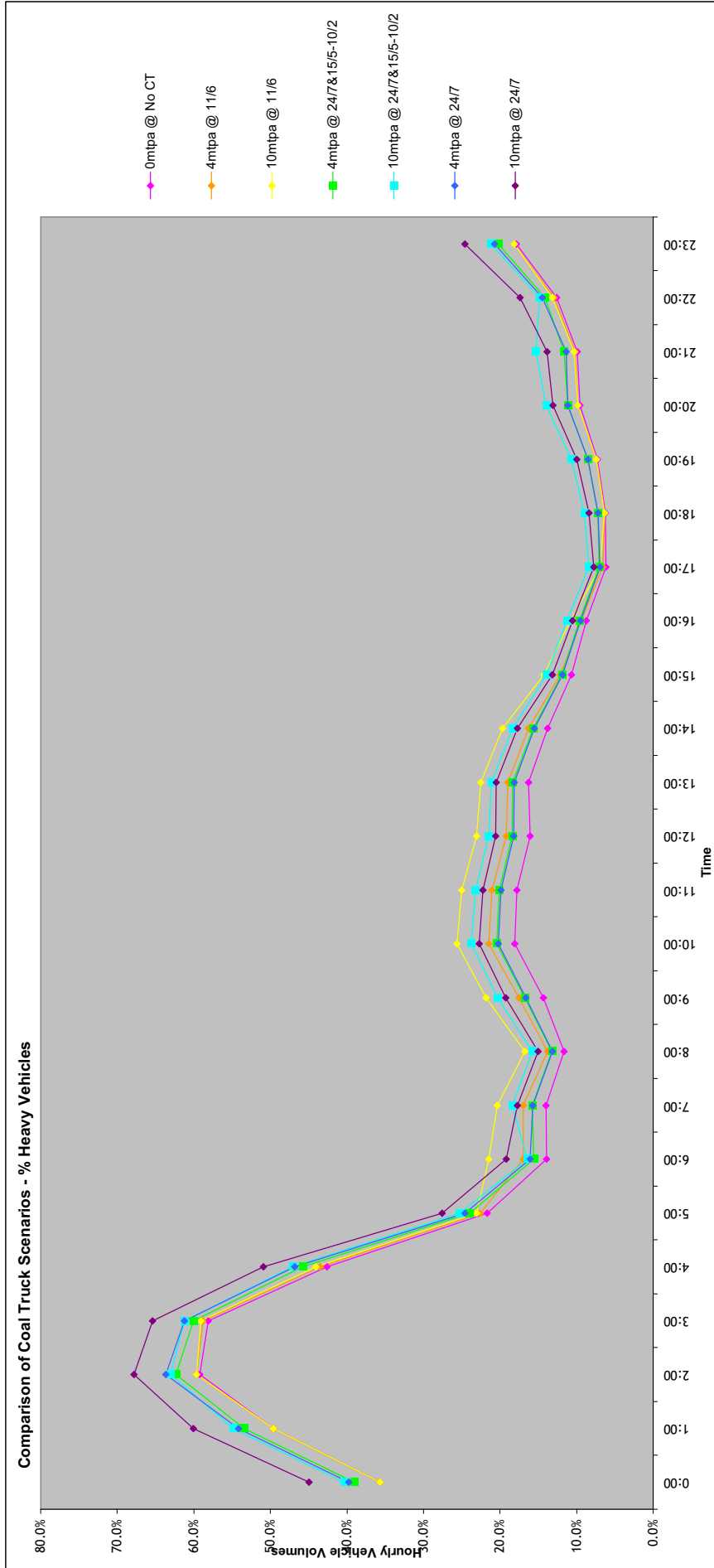
2018 Average Weekday

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



2018 Average Weekday

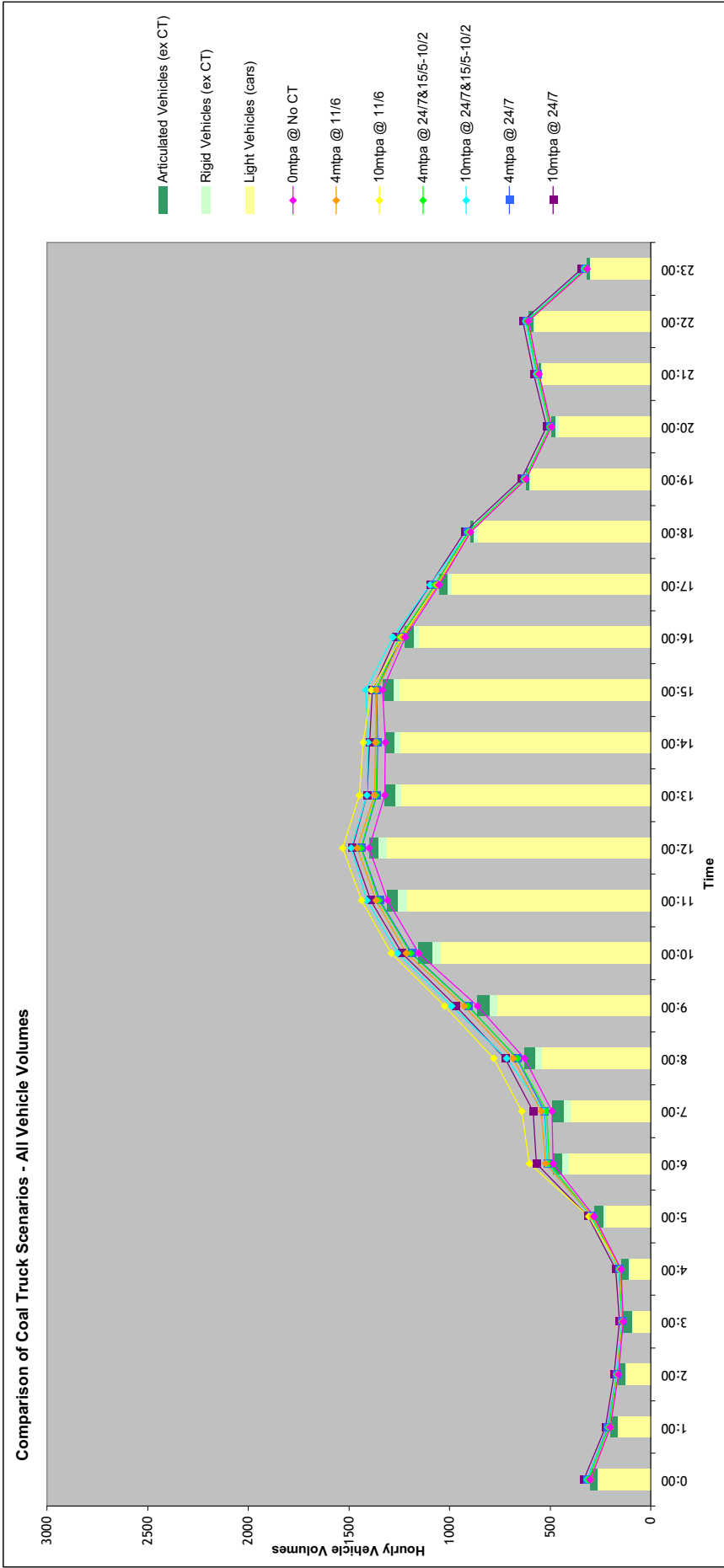
5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



		2018 Average Weekend 5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd																																
Direction	Time	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only								
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J
		Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2
	0:00	78	4	20	102	102	102	106	109	108	116	116	24	24	24	28	31	30	38	23.6%	23.6%	23.6%	26.5%	28.5%	27.8%	32.8%	32.8%	0	0	4	7	6	14	
	1:00	51	1	19	71	71	71	75	75	77	82	77	20	20	20	24	24	26	31	28.2%	28.2%	28.2%	32.1%	32.1%	32.1%	37.9%	37.9%	0	0	4	4	6	11	
	2:00	42	2	19	63	64	64	66	66	65	73	73	21	22	22	22	24	23	31	33.4%	34.4%	34.4%	34.4%	35.5%	35.5%	42.5%	42.5%	0	1	1	3	2	10	
	3:00	24	1	18	43	44	44	46	46	47	53	53	19	20	20	22	22	23	29	44.3%	45.3%	45.3%	47.9%	47.9%	49.0%	54.8%	54.8%	0	1	1	3	4	10	
	4:00	36	4	19	59	61	61	63	66	64	73	73	23	25	25	27	30	28	37	39.1%	41.1%	41.1%	42.9%	45.5%	43.8%	50.7%	50.7%	0	2	2	4	7	14	
	5:00	99	8	18	125	130	141	132	135	133	141	141	26	31	42	33	36	34	42	20.8%	23.9%	23.9%	26.7%	25.6%	29.8%	30.2%	30.2%	0	5	16	7	10	8	16
	6:00	204	19	20	243	270	318	256	263	262	292	292	39	66	114	52	59	58	88	16.2%	24.3%	25.9%	20.4%	22.5%	22.2%	30.2%	30.2%	0	27	75	13	20	19	49
	7:00	163	28	31	222	246	298	232	237	238	269	269	59	83	135	69	74	75	106	26.7%	33.8%	45.4%	29.8%	31.3%	31.6%	39.5%	39.5%	0	24	76	10	15	16	47
	8:00	235	17	21	273	301	347	292	326	292	322	322	38	66	112	58	91	57	87	14.0%	22.0%	32.3%	19.9%	28.0%	19.6%	27.1%	27.1%	0	28	74	20	53	19	49
	9:00	336	20	32	388	424	471	413	450	411	439	439	52	88	135	77	114	75	103	13.5%	20.8%	28.7%	18.7%	25.4%	18.3%	23.5%	23.5%	0	36	83	25	62	23	51
	10:00	434	19	34	487	517	554	508	541	505	529	53	83	120	74	107	71	95	10.9%	16.1%	21.7%	14.6%	19.8%	14.1%	18.0%	18.0%	0	30	67	21	54	18	42	
	11:00	462	22	22	506	535	571	527	556	525	547	44	73	109	65	94	63	85	8.8%	12.6%	17.7%	11.3%	15.1%	11.1%	14.8%	14.8%	0	29	65	21	50	19	41	
	12:00	475	18	23	516	543	577	535	559	534	557	41	68	102	60	84	59	82	8.0%	12.6%	17.7%	11.3%	15.1%	11.1%	14.8%	14.8%	0	27	61	19	43	18	41	
	13:00	390	15	29	434	460	498	455	478	455	479	44	70	108	65	88	65	89	10.2%	15.3%	21.7%	14.3%	18.5%	14.3%	18.6%	18.6%	0	26	64	21	44	21	45	
	14:00	417	17	23	457	480	508	475	498	474	493	40	63	91	58	81	57	76	8.8%	13.2%	18.0%	12.3%	16.3%	12.1%	15.5%	15.5%	0	23	51	18	41	17	36	
	15:00	375	15	23	413	424	434	430	454	427	437	38	49	59	55	79	52	62	9.3%	11.6%	13.7%	12.9%	17.5%	12.2%	14.2%	14.2%	0	11	21	17	41	14	24	
	16:00	364	13	21	398	401	404	410	427	408	418	34	37	40	46	63	44	54	8.6%	9.3%	10.0%	11.3%	14.8%	10.9%	13.0%	13.0%	0	3	6	12	29	10	20	
	17:00	335	10	20	365	368	369	373	382	373	385	30	33	34	38	47	38	50	8.3%	9.0%	9.3%	10.3%	12.4%	10.3%	13.1%	13.1%	0	3	4	8	17	8	20	
	18:00	342	11	7	360	361	361	366	367	367	374	18	19	19	24	25	25	32	4.9%	5.2%	5.2%	6.5%	6.7%	6.7%	8.5%	8.5%	0	1	1	6	7	7	14	
	19:00	203	5	8	216	217	217	219	222	220	229	13	14	14	16	19	17	26	5.9%	6.3%	6.3%	7.2%	8.4%	7.6%	11.2%	11.2%	0	1	1	3	6	4	13	
	20:00	154	12	11	177	178	178	181	181	182	188	23	24	24	27	27	28	34	12.8%	13.3%	13.3%	14.8%	14.8%	15.2%	17.9%	17.9%	0	1	1	4	4	5	11	
	21:00	145	1	6	152	153	153	155	159	156	166	7	8	8	10	14	11	21	4.4%	5.0%	5.0%	6.2%	8.6%	6.9%	12.5%	12.5%	0	1	1	3	7	4	14	
	22:00	146	5	13	164	164	165	168	171	170	178	18	18	19	19	22	25	24	32	11.1%	11.1%	11.6%	13.2%	14.7%	14.2%	18.1%	18.1%	0	0	1	4	7	6	14
	23:00	94	3	5	102	102	102	108	110	110	117	8	8	8	8	14	16	16	23	8.0%	8.0%	8.0%	13.1%	14.7%	14.7%	19.8%	19.8%	0	0	0	6	8	8	15
	Daily	5604	270	465	6339	6619	7011	6593	6881	6606	6960	735	1015	1407	989	1277	1002	1356	11.6%	15.3%	20.1%	15.0%	18.6%	15.2%	19.5%	19.5%	0	280	672	254	542	267	621	
	% CT of HV																		0.0%	27.6%	47.8%	25.7%	42.4%	26.6%	45.8%	45.8%								
	Day (6am-10pm)	4830	223	313	5366	5610	5942	5574	5839	5569	5834	536	780	1112	744	1009	739	1004	10.0%	13.9%	18.7%	13.3%	17.3%	13.3%	17.2%	17.2%	0	244	576	208	473	203	468	
	% CT of HV																		0.0%	31.3%	51.8%	28.0%	46.9%	27.5%	46.6%	46.6%								
	Night (10pm-7am)	774	47	152	973	1009	1069	1019	1042	1037	1126	199	235	295	245	268	263	352	20.5%	23.3%	27.6%	24.1%	25.7%	25.4%	31.3%	31.3%	0	36	96	46	69	64	153	
	% CT of HV																		0.0%	15.3%	32.5%	18.8%	25.7%	24.3%	43.5%	43.5%								

2018 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff /GNRE & PKCT

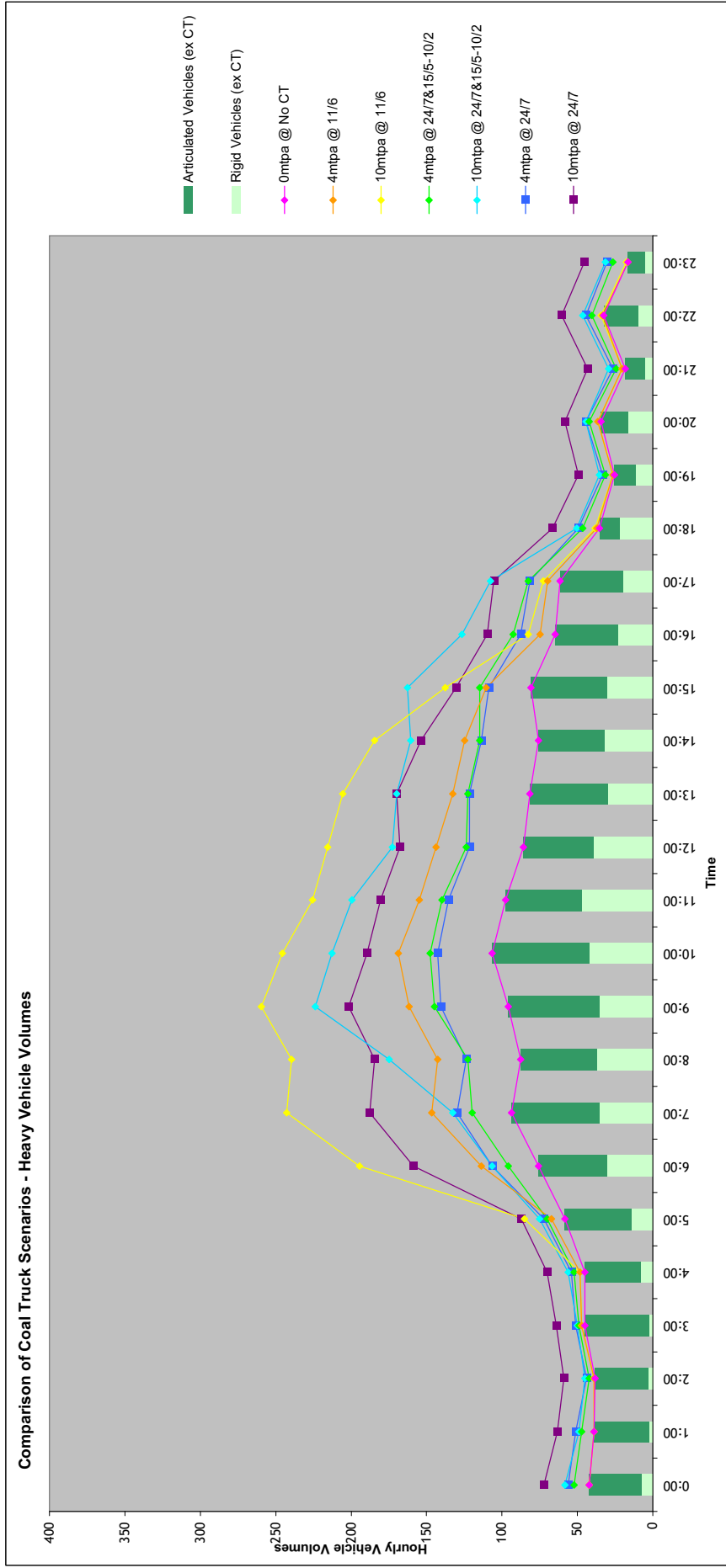
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westciff / GNRE & PKCT

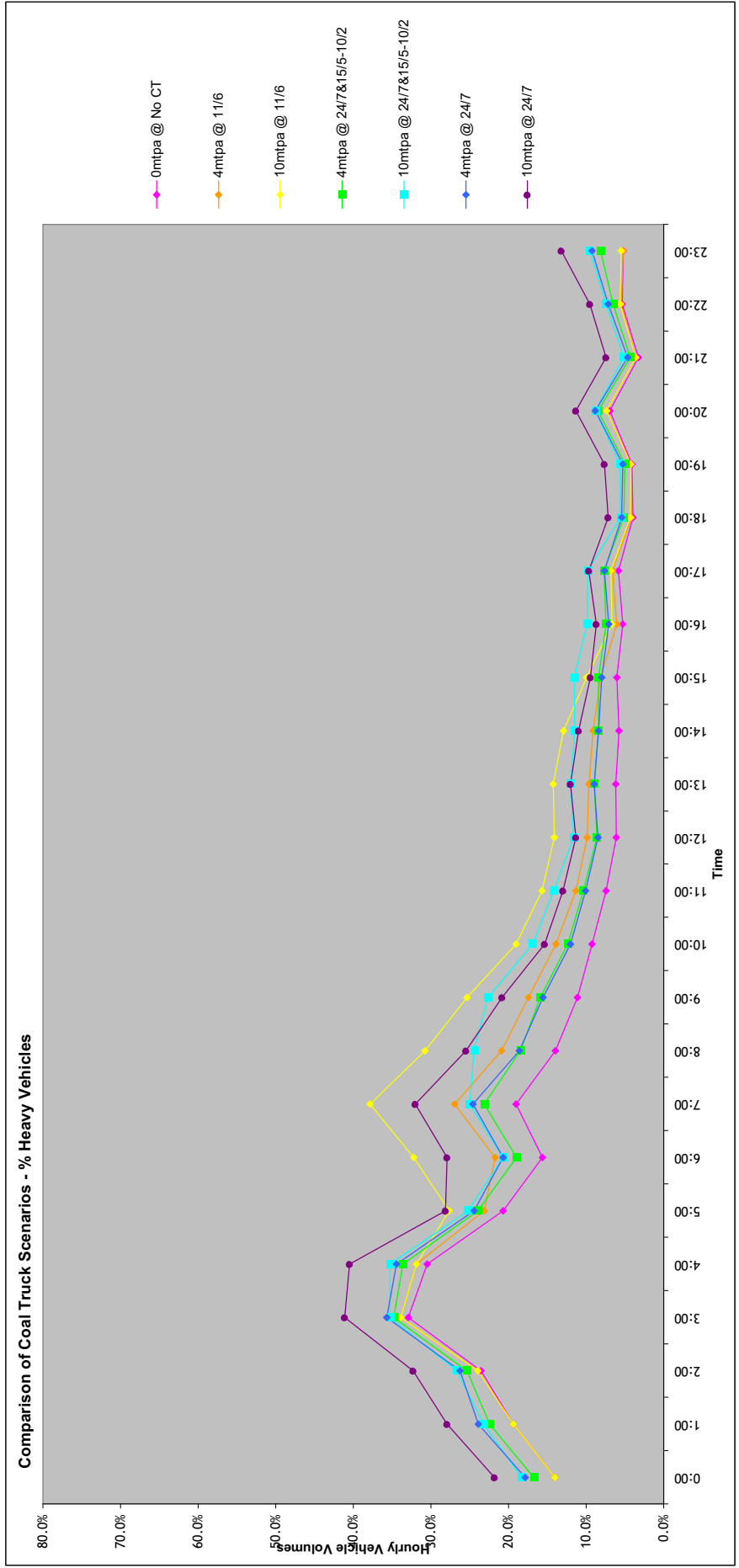
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic-CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

5. Masters Road, Mt St. Thomas Between The Avenue and Springhill Rd



Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westciff / GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)

- 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
- 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

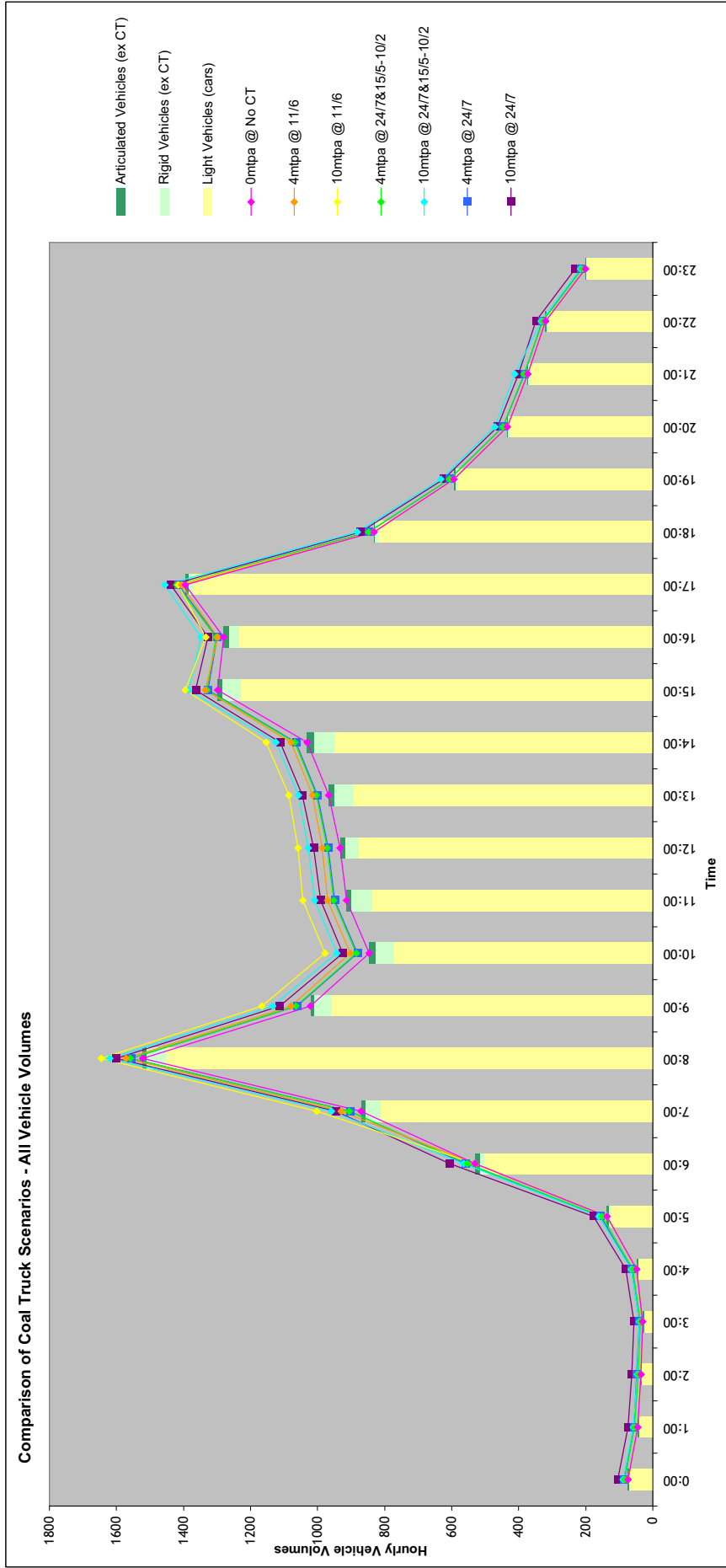
2018 Average Weekday
 6. Springhill Road, Coniston Between Masters Rd and Corral St.

Direction	Time	Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks												Coal Trucks Only											
		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J								
Southbound (to PKT)	0:00	46	0	1	47	47	26	26	31	40	1	1	5	7	6	8	7	16	3.1%	3.1%	12.3%	15.6%	14.0%	26.4%	4	5	7	6	15								
	1:00	25	0	1	20	20	20	24	24	26	32	1	1	5	7	6	15	5.6%	5.6%	18.0%	23.0%	20.9%	38.2%	4	4	6	6	14									
	2:00	19	0	1	12	12	12	15	18	17	26	1	1	4	7	6	15	7.2%	7.2%	22.4%	28.2%	24.4%	41.5%	4	4	6	6	12									
	3:00	11	0	1	12	12	12	15	18	17	26	1	1	4	7	6	15	11.8%	11.8%	28.9%	40.4%	37.0%	58.4%	3	3	6	6	14									
	4:00	16	0	1	17	17	17	24	27	26	35	1	1	8	11	10	19	8.4%	8.4%	34.6%	41.8%	39.6%	54.9%	7	7	10	9	18									
	5:00	48	0	1	49	49	49	57	62	59	70	1	1	9	14	11	22	3.0%	3.0%	16.5%	23.2%	19.3%	31.9%	8	8	13	10	21									
	6:00	215	0	3	218	218	218	232	239	236	261	3	3	17	24	21	46	1.2%	1.2%	7.2%	9.9%	8.8%	17.5%	14	14	21	18	43									
	7:00	290	10	6	306	327	356	471	501	470	491	34	37	66	31	56	29	47	5.1%	11.2%	18.5%	9.6%	16.1%	13.9%	0	21	50	15	40	13	31						
	8:00	418	28	6	452	477	514	471	501	470	491	34	37	66	31	56	29	47	5.1%	11.2%	18.5%	9.6%	16.1%	13.9%	0	21	50	15	40	13	31						
	9:00	333	27	5	365	399	448	389	428	388	416	32	66	115	56	95	55	83	8.7%	16.3%	25.6%	14.3%	22.1%	14.1%	19.9%	0	34	83	24	63	23	51					
	10:00	339	26	8	373	400	438	392	421	390	412	34	61	99	53	82	51	73	9.0%	15.2%	22.5%	13.4%	19.4%	13.0%	17.7%	0	27	65	19	48	17	39					
	11:00	391	30	7	428	457	494	448	477	446	468	37	66	103	57	86	55	77	8.6%	14.4%	20.8%	12.7%	18.0%	12.3%	16.4%	0	29	66	20	49	18	40					
	12:00	417	20	8	445	470	505	464	491	462	483	28	53	88	47	74	45	66	6.2%	11.2%	17.4%	10.1%	15.0%	9.7%	13.6%	0	25	60	19	46	17	38					
	13:00	460	28	8	496	521	557	516	543	514	537	36	61	97	56	83	54	77	7.2%	11.7%	17.4%	10.8%	15.2%	10.5%	14.3%	0	25	61	20	47	18	41					
	14:00	494	30	13	537	560	596	554	582	553	575	43	66	102	60	88	59	81	8.0%	11.7%	17.1%	10.8%	15.1%	10.6%	14.0%	0	23	59	17	45	16	38					
	15:00	601	27	9	637	653	680	653	680	651	669	36	52	79	52	79	50	68	5.6%	7.9%	11.6%	7.9%	11.6%	7.6%	10.1%	0	16	43	16	43	14	32					
	16:00	626	15	9	650	656	671	659	678	658	669	24	30	45	33	52	32	43	3.6%	4.5%	6.7%	5.0%	7.6%	4.8%	6.4%	0	6	21	9	28	8	19					
	17:00	763	9	6	778	782	787	790	807	788	798	15	19	24	27	44	25	35	1.9%	2.4%	3.0%	3.4%	5.4%	3.1%	4.3%	0	4	9	12	29	10	20					
	18:00	376	7	2	385	385	385	393	412	393	406	9	9	9	17	36	17	30	2.2%	2.2%	2.2%	4.2%	8.6%	4.2%	7.3%	8	8	27	8	21	8	21					
	19:00	273	4	3	280	280	280	287	299	287	295	7	7	7	14	26	14	22	2.3%	2.3%	2.3%	4.7%	8.6%	4.7%	7.3%	7	7	19	7	15	7	15					
	20:00	242	2	1	245	245	245	251	263	251	259	3	3	3	9	21	9	17	1.0%	1.0%	1.0%	3.4%	7.8%	3.4%	6.4%	6	6	18	6	14	6	14					
	21:00	219	4	1	223	223	223	229	241	228	237	5	5	5	11	23	10	19	2.0%	2.0%	2.0%	4.6%	9.3%	4.2%	7.8%	14	6	18	6	14	6	14					
	22:00	200	1	1	202	202	202	207	209	208	217	2	2	2	7	9	8	17	0.9%	0.9%	0.9%	3.3%	4.2%	3.7%	7.7%	5	5	7	6	15	5	7	6	15			
23:00	127	2	1	130	130	130	135	137	136	145	3	3	3	8	10	9	18	2.1%	2.1%	2.1%	5.8%	7.1%	6.5%	12.3%	5	5	7	6	15	5	7	6	15				
Daily	6948	270	100	7318	7553	7897	7590	7968	7587	7937	370	605	949	642	1020	639	989	5.1%	8.0%	12.0%	8.5%	12.8%	8.4%	12.5%	0	235	579	272	650	269	619						
% CT of HV																		0.0%	38.9%	61.0%	42.4%	63.8%	42.1%	62.8%													
Day (6am-10pm)	6242	267	87	6595	6830	7174	6812	7164	6793	7047	354	589	933	571	923	552	806	5.4%	8.6%	13.0%	8.4%	12.9%	8.1%	11.4%	0	235	579	217	569	198	452						
% CT of HV																		0.0%	39.9%	62.1%	38.0%	61.7%	35.9%	56.1%													
Night (10pm-7am)	707	3	13	723	723	723	778	804	794	890	16	16	16	71	97	87	183	2.2%	2.2%	2.2%	9.1%	12.1%	11.0%	20.6%	0	0	0	55	81	71	167						
% CT of HV																		0.0%	0.0%	0.0%	77.4%	83.5%	81.6%	91.2%													

		2018 Average Weekday 6. Springhill Road, Coniston Between Masters Rd and Corrimal St.																																
Direction	Time	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only								
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J			
Two-Way	0:00	70	1	3	74	74	74	74	74	86	104	104	4	4	4	14	18	16	16	34	5.3%	5.3%	5.3%	16.6%	20.4%	18.6%	32.7%	0	0	0	10	14	12	30
	1:00	42	0	3	45	45	45	54	58	56	74	74	3	3	3	12	16	14	14	32	6.5%	6.5%	6.5%	22.1%	27.5%	24.9%	43.2%	0	0	0	9	13	11	29
	2:00	33	0	3	36	36	36	44	46	48	62	62	3	3	3	11	13	15	15	29	8.2%	8.2%	8.2%	24.9%	28.2%	31.2%	46.7%	0	0	0	8	10	12	26
	3:00	26	1	4	31	31	31	37	41	41	57	57	5	5	5	11	15	15	15	31	16.0%	16.0%	16.0%	29.6%	36.5%	36.5%	54.3%	0	0	0	6	10	10	26
	4:00	43	1	4	48	48	48	59	64	63	80	80	5	5	5	16	21	20	20	37	10.3%	10.3%	10.3%	27.0%	32.8%	31.7%	46.2%	0	0	0	11	16	15	32
	5:00	127	4	6	137	137	137	152	161	156	177	177	10	10	10	25	34	29	50	7.3%	7.3%	7.3%	16.4%	21.1%	18.6%	28.3%	0	0	0	15	24	19	40	
	6:00	503	14	13	530	530	530	553	565	560	606	606	27	27	27	50	62	57	103	5.2%	5.2%	5.2%	9.1%	11.0%	10.2%	17.1%	0	0	0	23	35	30	76	
	7:00	812	47	11	870	929	1001	906	958	903	945	945	58	117	189	94	149	91	133	6.7%	6.7%	6.7%	12.8%	18.9%	10.4%	15.3%	10.1%	14.1%	0	59	131	36	88	
	8:00	1453	58	11	1522	1571	1645	1559	1620	1557	1600	1600	69	118	192	106	167	104	147	4.6%	4.6%	4.6%	7.5%	11.7%	6.8%	10.3%	6.7%	9.2%	0	49	123	37	98	
	9:00	961	51	9	1021	1079	1166	1064	1134	1062	1113	1113	60	118	205	103	173	101	152	5.9%	5.9%	5.9%	11.0%	17.6%	9.7%	15.3%	9.5%	13.7%	0	58	145	43	113	
	10:00	776	53	17	846	902	978	884	943	881	924	924	70	126	202	108	167	105	148	8.3%	8.3%	8.3%	14.0%	20.7%	12.3%	17.7%	12.0%	16.0%	0	56	132	38	97	
	11:00	876	42	14	932	986	1058	972	1027	968	1011	1011	56	110	182	96	151	92	135	6.0%	6.0%	6.0%	11.2%	17.2%	9.9%	14.7%	16.7%	11.3%	0	56	131	39	96	
	12:00	876	42	14	932	986	1058	972	1027	968	1011	1011	56	110	182	96	151	92	135	6.0%	6.0%	6.0%	11.2%	17.2%	9.9%	14.7%	16.7%	11.3%	0	56	131	39	96	
	13:00	894	57	15	966	1015	1085	1004	1057	1000	1045	1045	72	121	191	110	163	106	151	7.5%	7.5%	7.5%	12.0%	17.6%	11.0%	15.5%	10.6%	14.5%	0	49	119	38	91	
	14:00	951	59	21	1031	1080	1154	1068	1125	1065	1111	1111	80	129	203	117	174	114	160	7.8%	7.8%	7.8%	12.0%	17.6%	11.0%	15.5%	10.7%	14.4%	0	49	123	37	94	
	15:00	1231	52	14	1297	1335	1394	1330	1385	1327	1363	1363	66	104	163	99	154	96	132	5.1%	5.1%	5.1%	7.8%	11.7%	7.5%	11.1%	11.1%	7.3%	0	38	97	33	88	
	16:00	1235	29	16	1280	1297	1333	1303	1347	1300	1327	1327	45	62	98	68	112	65	92	3.5%	3.5%	3.5%	4.8%	7.4%	5.2%	8.3%	5.0%	7.0%	0	17	53	23	67	
	17:00	1370	16	9	1395	1405	1416	1420	1455	1416	1437	1437	25	35	46	50	85	46	67	1.8%	1.8%	1.8%	2.5%	3.3%	3.5%	5.9%	3.3%	4.7%	0	10	21	25	60	
	18:00	820	10	2	832	832	832	848	882	848	871	871	12	12	12	12	28	28	51	1.5%	1.5%	1.5%	1.5%	3.3%	3.3%	7.0%	3.3%	5.9%	0	0	16	50	16	39
	19:00	583	7	4	594	594	594	607	632	607	624	624	11	11	11	24	49	24	41	1.9%	1.9%	1.9%	1.9%	4.0%	4.0%	7.8%	4.0%	6.6%	0	0	13	38	13	30
	20:00	429	4	1	434	434	434	447	471	471	463	463	5	5	5	18	42	18	34	1.2%	1.2%	1.2%	1.2%	4.0%	4.0%	8.9%	4.0%	7.4%	0	0	13	37	13	29
	21:00	367	5	1	373	373	373	385	412	383	401	401	6	6	6	18	45	16	34	1.6%	1.6%	1.6%	1.6%	4.7%	4.7%	10.9%	4.2%	8.5%	0	0	12	39	10	28
	22:00	314	3	3	319	319	319	328	332	330	348	348	6	6	6	15	19	17	35	1.7%	1.7%	1.7%	1.7%	4.4%	4.4%	5.6%	5.0%	9.9%	0	0	9	13	11	29
	23:00	197	3	2	202	202	202	212	216	214	232	232	5	5	5	15	19	17	35	2.2%	2.2%	2.2%	2.2%	6.9%	6.9%	8.6%	7.7%	14.9%	0	0	10	14	12	30
Daily	14953	576	202	15731	16226	16932	16275	17031	16269	16969	16969	778	1273	1979	1322	2078	1316	2016	4.9%	4.9%	4.9%	7.8%	11.7%	8.1%	12.2%	8.1%	11.9%	0	495	1201	544	1300	538	1238
% CT of HV																			0.0%	38.9%	60.7%	41.1%	63.6%	40.9%	61.4%									
Day (6am-10pm)	13598	549	162	14310	14805	15511	14783	15461	14716	15230	15230	711	1206	1912	1154	1862	1117	1631	5.0%	8.1%	12.3%	7.8%	12.0%	7.6%	10.7%									
% CT of HV																				0.0%	41.0%	62.8%	38.4%	61.8%	36.3%	56.4%								
Night (10pm-7am)	1354	27	40	1421	1421	1421	1522	1570	1553	1739	1739	67	67	67	168	216	199	385	4.7%	4.7%	4.7%	4.7%	11.0%	13.8%	12.8%	22.1%								
% CT of HV																				0.0%	0.0%	0.0%	60.1%	69.0%	66.3%	82.8%								

2018 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corral St



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westcliff / GNRE & PKCT

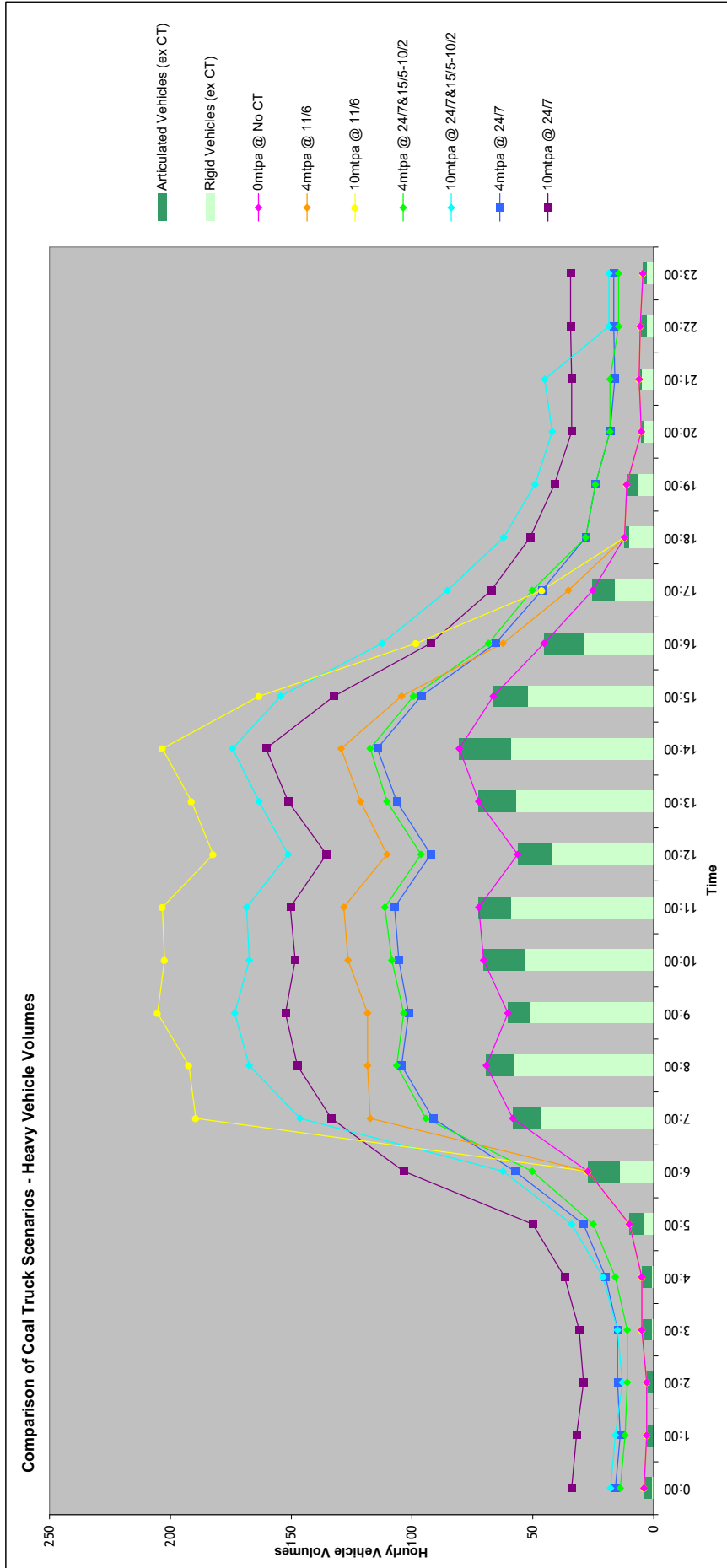
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)

0mpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2018 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff /GNRE & PKCT

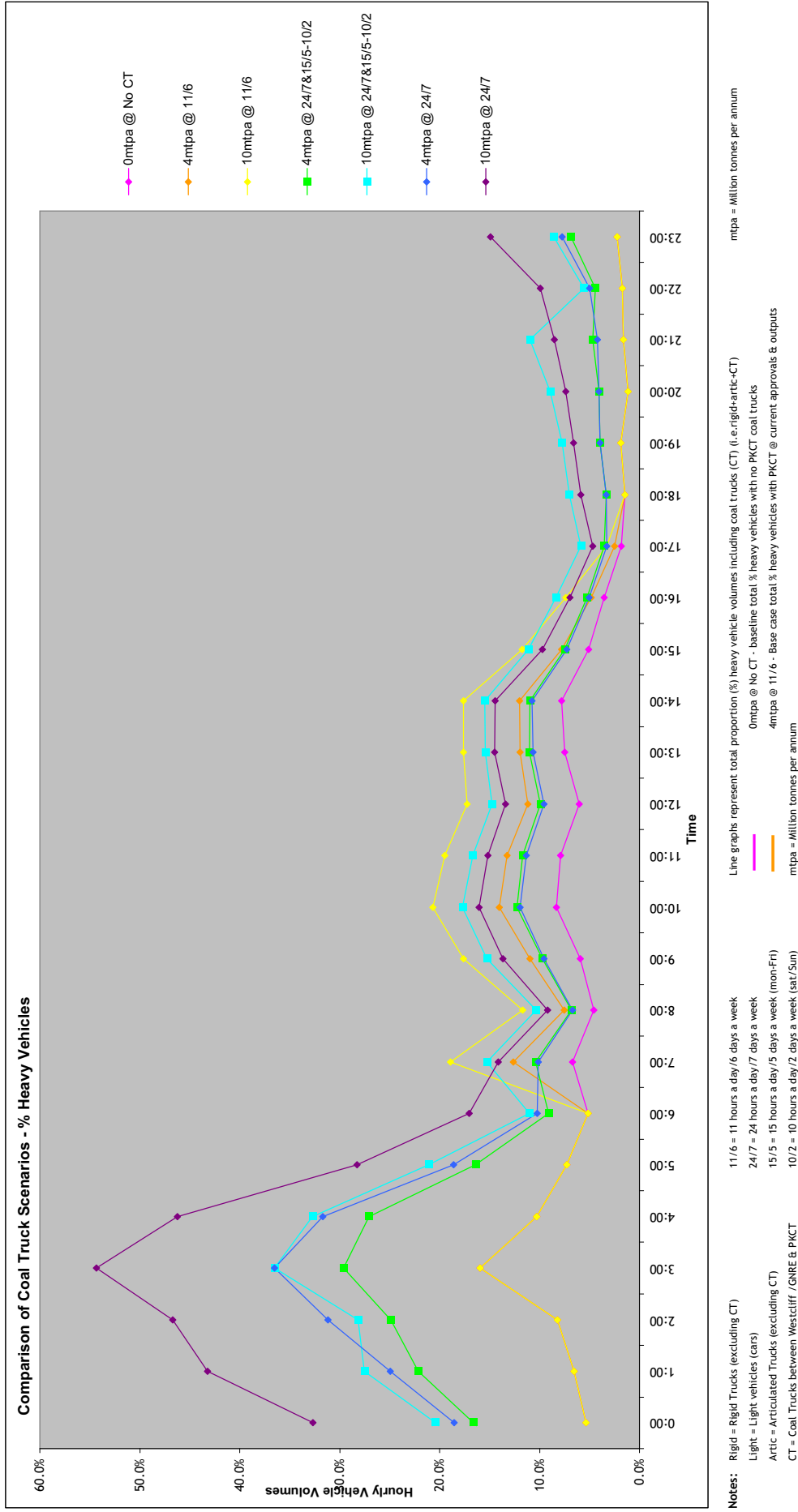
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekday

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



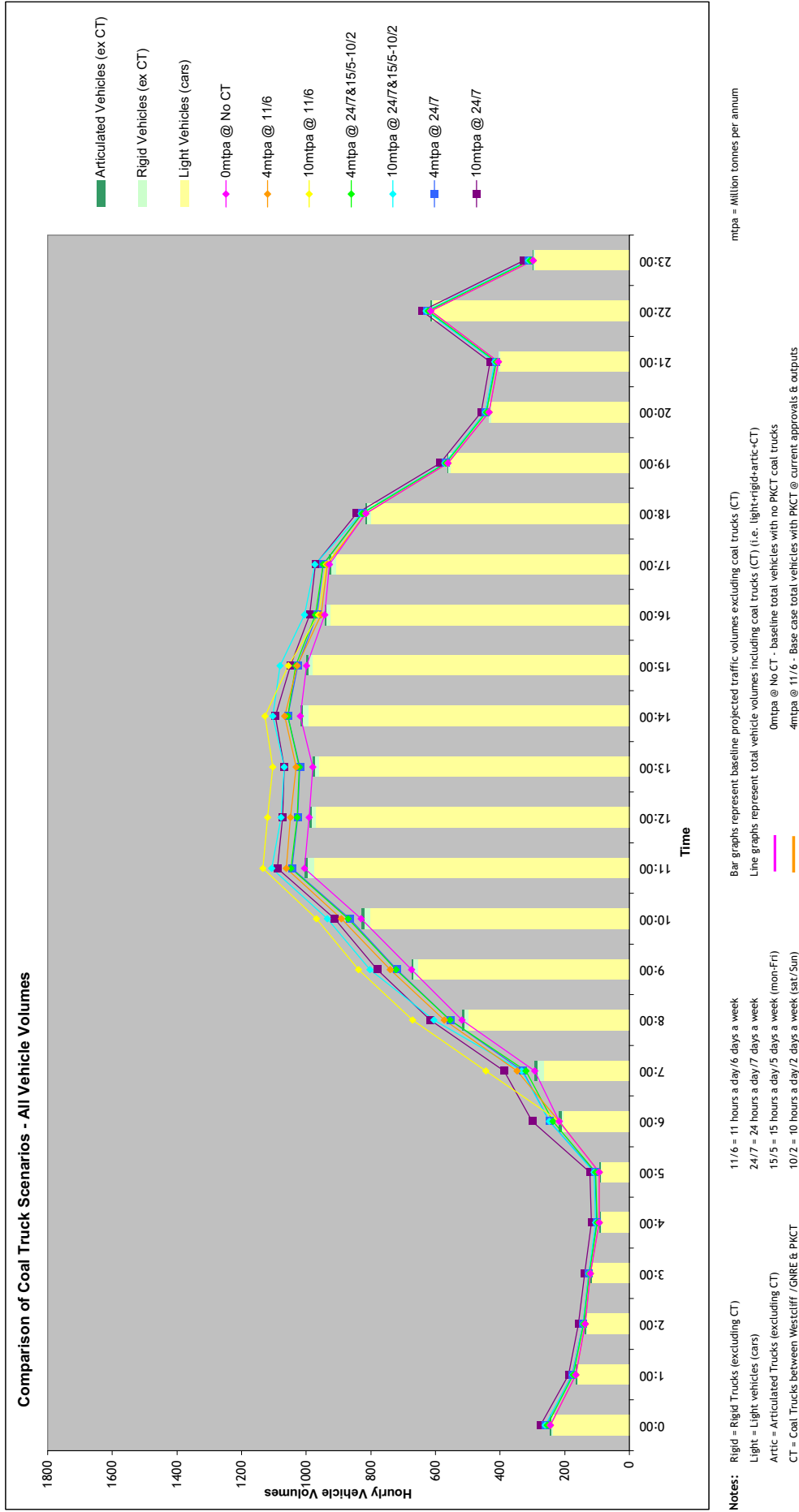
		2018 Average Weekend 6. Springhill Road, Coniston Between Masters Rd and Corrimal St.																										
Direction	Time	Base Volumes				Total Vehicles Including Coal Trucks				Total Heavy Vehicles Including Coal Trucks				% Heavy Vehicles Including Coal Trucks				Coal Trucks Only										
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D							
		Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)	Articulated Vehicles (ex CT)							
Southbound (to PKT)	0:00	145	3	149	149	149	153	156	155	163	4	4	4	8	11	10	18	3.0%	3.0%	3.0%	5.5%	7.3%	6.7%	11.3%	11.3%	7	6	14
	1:00	101	1	103	103	103	107	107	109	114	2	2	2	6	6	8	13	2.4%	2.4%	2.4%	6.0%	6.0%	7.7%	11.8%	11.8%	4	6	11
	2:00	79	1	81	81	81	82	84	83	91	2	2	2	3	5	4	12	3.0%	3.0%	3.0%	4.2%	6.5%	5.4%	13.6%	13.6%	1	3	2
	3:00	62	0	63	63	63	66	66	67	73	1	1	1	4	4	4	5	11	2.3%	2.3%	2.3%	6.7%	6.7%	8.1%	15.6%	3	3	4
	4:00	46	1	49	49	49	53	56	54	63	3	3	3	7	10	8	17	7.0%	7.0%	7.0%	14.0%	18.5%	15.9%	27.5%	27.5%	4	7	5
	5:00	38	1	40	40	40	47	50	48	56	2	2	2	9	12	10	18	6.1%	6.1%	6.1%	20.0%	24.8%	21.6%	32.8%	32.8%	7	10	8
	6:00	69	1	73	73	73	86	93	92	122	4	4	4	17	24	23	53	5.1%	5.1%	5.1%	19.5%	25.6%	24.8%	43.3%	43.3%	13	20	19
	7:00	91	4	99	121	162	109	114	114	138	8	30	71	18	23	23	47	7.8%	24.6%	43.7%	16.3%	19.9%	19.9%	33.9%	33.9%	0	22	63
	8:00	166	7	3	176	204	252	195	221	195	226	10	38	86	29	55	29	60	5.5%	18.5%	34.0%	14.7%	24.8%	14.7%	26.4%	0	28	76
	9:00	264	7	3	274	312	368	300	344	298	332	10	48	104	36	80	34	68	3.5%	15.3%	28.2%	11.9%	23.2%	11.3%	20.4%	0	38	94
	10:00	372	8	5	385	415	452	406	439	403	427	13	43	80	34	67	31	55	3.3%	10.3%	17.6%	8.3%	15.2%	7.6%	12.8%	0	30	67
	11:00	460	11	4	475	504	540	496	525	494	516	15	44	80	36	65	34	56	3.1%	8.7%	14.8%	7.2%	12.3%	6.8%	10.8%	0	29	65
	12:00	451	7	3	461	488	522	480	504	479	502	10	37	71	29	53	28	51	2.1%	7.5%	13.5%	6.0%	10.5%	5.8%	10.1%	0	27	61
	13:00	473	6	4	483	509	547	504	527	504	528	10	36	74	31	54	31	55	2.0%	7.0%	13.5%	6.1%	10.2%	6.1%	10.4%	0	26	64
	14:00	487	8	4	499	522	550	517	540	516	535	12	35	63	30	53	29	48	2.3%	6.6%	11.4%	5.7%	9.8%	5.6%	8.9%	0	23	51
	15:00	503	7	3	513	524	534	530	554	527	537	10	21	31	27	51	24	34	1.9%	3.9%	5.7%	5.0%	9.2%	4.5%	6.3%	0	11	21
	16:00	459	5	4	466	471	474	480	493	478	487	9	12	15	21	34	19	28	1.9%	2.5%	3.1%	4.3%	6.8%	3.9%	5.7%	0	3	6
	17:00	363	6	3	372	375	376	380	393	380	392	9	12	13	17	30	17	29	2.3%	3.1%	3.4%	4.4%	7.6%	4.4%	7.3%	0	3	4
	18:00	347	6	2	355	355	355	361	362	362	370	8	8	8	14	15	15	23	2.1%	2.1%	2.1%	3.8%	4.0%	4.0%	6.1%	0	3	4
	19:00	257	5	1	263	263	263	266	269	267	276	6	6	6	9	12	10	19	2.1%	2.1%	2.1%	3.2%	4.3%	3.6%	6.7%	3	6	4
	20:00	224	3	1	228	228	228	232	232	233	239	4	4	4	8	8	8	15	1.6%	1.6%	1.6%	3.3%	3.3%	3.7%	6.1%	4	4	5
	21:00	206	2	1	208	208	208	211	215	212	222	3	3	3	6	10	7	17	1.2%	1.2%	1.2%	2.6%	4.4%	3.1%	7.4%	3	7	4
	22:00	419	3	2	424	424	424	428	431	430	438	5	5	5	9	12	11	19	1.1%	1.1%	1.1%	2.0%	2.7%	2.5%	4.3%	4	7	6
	23:00	180	3	1	184	184	184	190	192	192	199	4	4	4	10	12	12	19	2.0%	2.0%	2.0%	5.1%	6.1%	6.1%	9.4%	6	8	8
Daily	6261	106	55	6422	6662	6954	6676	6964	6689	7043	161	401	733	415	703	428	782	2.5%	6.0%	10.5%	6.2%	10.1%	6.4%	11.1%	0	240	572	
% CT of HV																		0.0%	59.9%	78.1%	61.3%	77.1%	62.4%	79.5%				
Day (6am-10pm)	5123	92	40	5254	5494	5826	5462	5727	5457	5722	132	372	704	340	605	335	600	2.5%	6.8%	12.1%	6.2%	10.6%	6.1%	10.5%	0	240	572	
% CT of HV																		0.0%	64.6%	81.3%	61.3%	78.2%	60.7%	78.1%				
Night (10pm-7am)	1139	14	15	1168	1168	1168	1214	1237	1232	1321	29	29	29	75	98	93	182	2.5%	2.5%	2.5%	6.2%	7.9%	7.6%	13.8%	0	0	0	
% CT of HV																		0.0%	0.0%	0.0%	61.3%	70.4%	68.8%	84.1%				

2018 Average Weekend
6. Springhill Road, Coniston Between Masters Rd and Corrmal St.

Direction	2018 Average Weekend 6. Springhill Road, Coniston Between Masters Rd and Corrmal St.																													
	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only					
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	J	A	B	J	A	B	J	A	B	J	A	B	J	A	B	J	A	B	J	A	B	J			
Time	237	5	3	245	245	255	261	259	275	8	8	18	24	22	38	3.2%	3.2%	7.0%	3.2%	7.0%	8.5%	13.8%	0	0	10	16	14	30		
10:00	160	2	3	165	165	173	175	177	189	5	5	13	15	17	29	3.0%	3.0%	7.5%	3.0%	7.5%	9.6%	15.3%	0	0	8	10	12	24		
11:00	132	2	3	137	137	141	144	143	158	5	5	9	12	11	26	3.6%	3.6%	6.3%	3.6%	6.3%	8.3%	7.7%	0	0	4	7	6	21		
12:00	116	1	3	120	120	124	125	126	139	4	4	8	9	10	23	3.3%	3.3%	6.4%	3.3%	6.4%	7.2%	7.9%	0	0	4	5	6	19		
13:00	87	2	4	93	93	93	100	104	102	118	6	6	13	17	15	31	6.4%	6.4%	13.0%	6.4%	13.0%	14.7%	26.2%	0	0	7	11	9	25	
14:00	87	2	4	93	93	93	105	110	107	122	6	6	18	23	20	35	6.4%	6.4%	17.1%	6.4%	17.1%	20.9%	18.7%	0	0	0	12	17	14	29
15:00	204	6	7	217	217	237	248	248	300	13	13	33	44	44	96	6.1%	6.1%	14.1%	6.1%	14.1%	17.9%	32.1%	0	0	0	10	17	14	29	
16:00	266	19	8	293	347	443	319	332	330	387	27	81	77	53	64	121	9.3%	23.4%	40.0%	19.7%	20.0%	19.5%	31.3%	0	54	150	26	39	94	
17:00	497	15	6	518	573	670	554	605	554	615	21	76	173	57	108	57	118	4.1%	13.3%	25.9%	10.3%	17.9%	10.3%	19.2%	0	55	152	36	97	
18:00	655	14	5	674	739	837	722	802	718	760	19	84	182	67	147	63	125	2.9%	11.4%	21.8%	9.3%	18.4%	8.8%	16.1%	0	65	163	48	128	
19:00	802	19	8	829	891	968	870	935	865	912	27	89	166	68	133	63	110	3.3%	10.0%	17.2%	7.9%	14.3%	7.3%	12.1%	0	62	139	41	106	
20:00	977	21	7	1005	1062	1133	1047	1107	1043	1088	28	85	156	70	130	66	111	2.8%	8.0%	13.8%	6.7%	11.8%	6.4%	10.2%	0	57	128	42	102	
21:00	970	15	5	990	1048	1120	1028	1077	1026	1072	20	78	150	58	107	56	102	2.1%	7.5%	13.4%	5.7%	10.0%	5.5%	9.5%	0	58	130	38	87	
22:00	960	13	7	980	1031	1104	1021	1068	1020	1068	20	71	144	61	108	60	108	2.1%	6.9%	13.1%	6.0%	10.1%	5.9%	10.1%	0	51	124	41	88	
23:00	995	17	6	1018	1067	1127	1057	1103	1056	1096	23	72	132	62	108	61	101	2.3%	6.8%	11.7%	5.9%	9.8%	5.8%	9.2%	0	49	109	39	85	
15:00	982	11	5	998	1028	1055	1032	1080	1026	1048	16	46	73	50	98	44	66	1.6%	4.3%	7.0%	4.9%	9.1%	4.3%	6.3%	0	30	57	34	82	
16:00	926	11	6	943	953	961	972	1005	967	989	17	27	35	46	79	41	63	1.8%	2.9%	3.7%	4.8%	7.9%	4.3%	6.4%	0	10	18	29	62	
17:00	909	12	6	927	935	938	947	973	947	971	18	26	29	38	64	38	62	2.0%	2.8%	3.1%	4.0%	6.6%	4.0%	6.4%	0	8	11	20	46	
18:00	801	12	2	815	815	826	830	828	845	14	14	14	14	25	29	27	44	1.7%	1.7%	1.7%	3.0%	3.5%	3.3%	5.2%	0	0	0	11	15	
19:00	553	7	1	561	561	567	571	569	585	8	8	14	18	16	32	14	32	1.4%	1.4%	1.4%	2.5%	3.2%	2.8%	5.5%	0	0	0	6	10	
20:00	428	6	1	435	435	435	443	445	459	7	7	7	15	17	17	31	1.6%	1.6%	1.6%	3.4%	3.8%	3.8%	6.8%	0	0	0	8	10		
21:00	401	4	1	406	406	406	412	417	414	431	5	5	11	16	13	30	1.2%	1.2%	1.2%	2.7%	3.9%	3.2%	7.0%	0	0	0	6	11		
22:00	606	5	4	614	614	622	628	626	642	9	9	17	23	21	37	14	36	1.4%	1.4%	1.4%	2.7%	3.6%	3.3%	5.7%	0	0	0	8	14	
23:00	291	5	2	298	298	298	308	313	312	327	7	7	17	22	21	36	2.2%	2.2%	2.2%	5.4%	6.9%	6.6%	10.9%	0	0	0	10	15		
Daily	13041	226	110	13377	13876	14558	13885	14461	13911	14619	336	835	1517	844	1420	870	1578	2.5%	6.0%	10.4%	6.1%	9.8%	6.3%	10.8%	0	499	1181	508	1084	
% CT of HV																		0.0%	59.7%	77.8%	60.2%	61.4%	78.7%							
Day (6am-10pm)	11121	196	78	11396	11895	12577	11821	12354	11812	12350	274	773	1455	699	1232	690	1228	2.4%	6.5%	11.6%	5.9%	10.0%	5.8%	9.9%	0	499	1181	425	958	
% CT of HV																		0.0%	64.3%	81.2%	60.3%	60.3%	77.7%							
Night (10pm-7am)	1919	30	32	1981	1981	1981	2064	2107	2099	2269	62	62	62	145	188	180	350	3.1%	3.1%	3.1%	7.0%	8.9%	8.6%	15.4%	0	0	0	83	126	
% CT of HV																		0.0%	0.0%	0.0%	57.2%	67.0%	65.3%	82.3%						

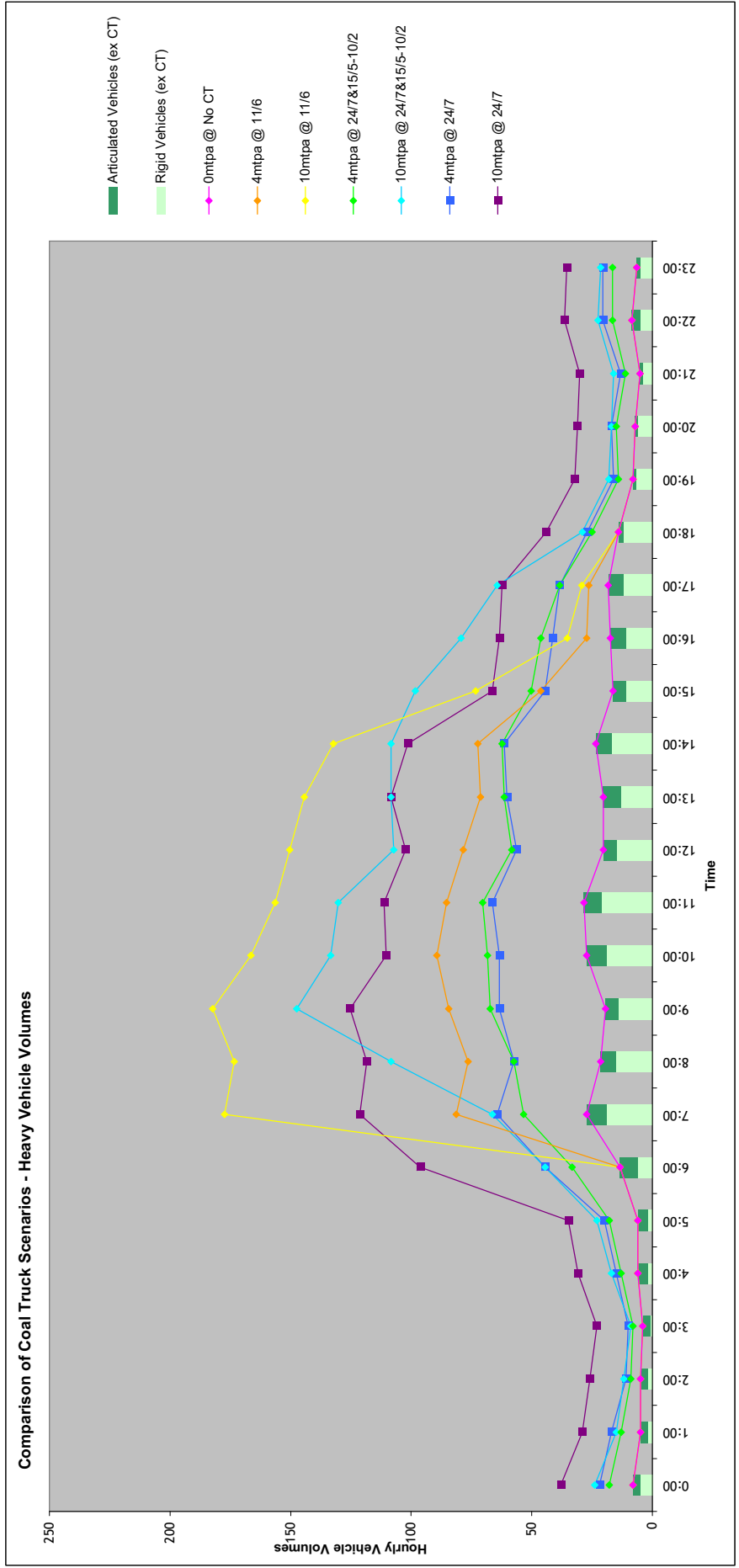
2018 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



2018 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corral St



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff /GNRE & PKCT

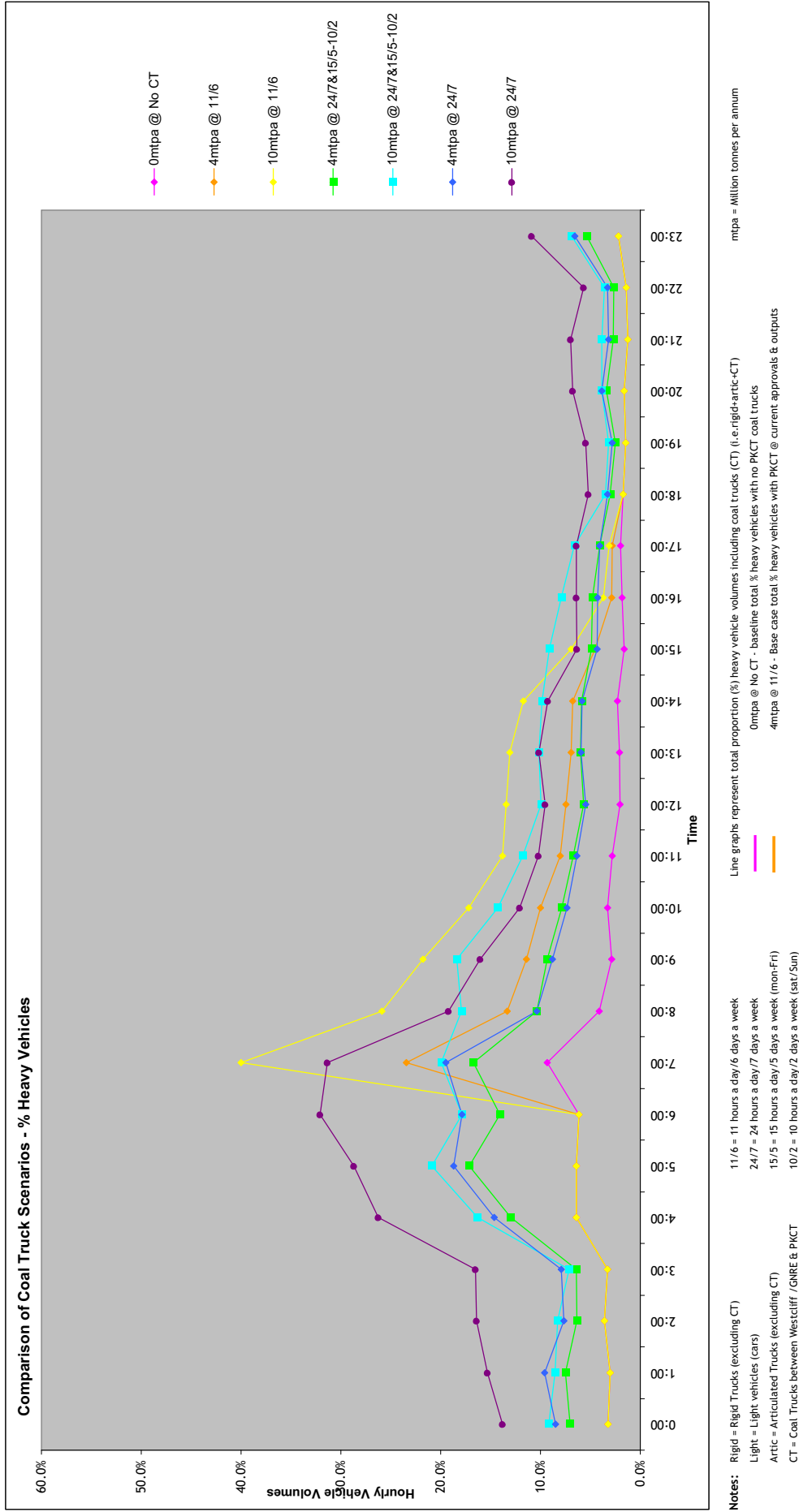
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid-artic-CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

6. Springhill Road, Coniston Between Masters Rd and Corrimal St



2018 Average Weekday
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	2018 Average Weekday 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																											
	Total Vehicles Including Coal Trucks										Total Heavy Vehicles Including Coal Trucks										% Heavy Vehicles Including Coal Trucks																							
	Base Volumes			A			B			D			E			G			H			J			A			B			D			E			G			H			J	
Southbound (to PKT)	Light Vehicles (cars)	9	0	0	9	9	9	9	9	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17	10	17									
	Rigid Vehicles (ex CT)	7	0	0	7	7	7	7	7	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15	8	15									
	Articulated Vehicles (ex CT)	4	0	0	4	4	4	4	4	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12									
		4	0	0	4	4	4	4	4	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12									
		9	0	0	9	9	9	9	9	9	11	17	9	11	17	9	11	17	9	11	17	9	11	17	9	11	17	9	11	17	9	11	17	9	11									
		36	3	0	39	39	39	39	39	39	41	47	39	41	47	39	41	47	39	41	47	39	41	47	39	41	47	39	41	47	39	41	47	39	41									
		109	8	1	118	126	158	118	118	122	140	9	17	49	9	31	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33									
		191	12	2	205	212	239	211	237	209	224	14	21	48	20	46	18	33	6.8%	9.9%	20.1%	9.5%	19.4%	8.9%	14.7%	0	7	34	6	32	4	19	0	7	34									
		298	14	2	314	321	350	319	342	318	334	16	23	52	21	44	20	36	5.1%	7.2%	14.9%	6.6%	12.9%	6.3%	10.8%	0	7	36	5	28	4	20	0	7	36									
		162	13	2	177	183	211	182	206	181	196	15	21	49	20	44	19	34	8.5%	11.5%	23.2%	11.0%	21.4%	10.5%	17.3%	0	6	34	5	29	4	19	0	6	34									
		137	13	1	151	157	183	156	178	154	169	14	20	46	19	41	17	32	9.3%	12.7%	25.1%	12.2%	23.0%	11.0%	18.9%	0	6	32	5	27	3	18	0	6	32									
		140	14	2	156	162	187	161	182	159	173	16	22	47	21	42	19	33	10.3%	13.6%	23.1%	13.0%	23.1%	11.9%	19.1%	0	6	31	5	26	3	17	0	6	31									
		142	14	2	158	164	188	163	183	161	175	16	22	46	21	41	19	33	10.1%	13.4%	24.5%	12.9%	22.4%	11.8%	18.9%	0	6	30	5	25	3	17	0	6	30									
		129	15	1	145	151	177	150	169	148	163	19	22	48	21	40	19	34	11.0%	14.6%	27.1%	14.0%	23.7%	12.8%	20.9%	0	6	32	5	24	3	18	0	6	32									
		149	13	2	164	170	198	169	190	168	183	15	21	49	20	41	19	34	9.1%	12.4%	24.7%	11.8%	21.6%	11.3%	18.6%	0	6	34	5	26	4	19	0	6	34									
		204	17	2	223	229	252	228	250	226	239	19	25	48	24	46	22	35	8.5%	10.9%	19.0%	10.5%	18.4%	9.7%	14.6%	0	6	29	5	27	3	16	0	6	29									
		169	10	1	180	184	200	184	203	182	191	11	15	31	15	34	13	22	6.1%	8.2%	15.5%	8.2%	16.7%	7.1%	11.5%	0	4	20	4	23	2	11	0	4	20									
		168	7	0	175	175	175	178	191	177	183	7	7	7	7	10	23	9	15	4.0%	4.0%	4.0%	5.6%	12.0%	5.1%	8.2%	0	0	0	3	16	2	8	0	0	0								
		124	4	1	129	129	129	131	141	131	137	5	5	5	5	7	17	7	13	3.9%	3.9%	3.9%	5.3%	12.1%	5.3%	9.5%	0	0	0	2	12	2	8	0	0	0								
		96	3	0	99	99	99	101	111	101	107	3	3	3	3	5	15	5	11	3.0%	3.0%	3.0%	5.0%	13.5%	5.0%	10.3%	0	0	0	2	12	2	8	0	0	0								
		61	1	0	62	62	62	64	74	64	70	1	1	1	1	3	13	3	9	1.6%	1.6%	1.6%	4.7%	17.6%	4.7%	12.9%	0	0	0	2	12	2	8	0	0	0								
		50	1	0	51	51	51	53	63	52	59	1	1	1	1	3	13	2	9	2.0%	2.0%	2.0%	5.7%	20.6%	3.8%	15.3%	0	0	0	2	12	1	8	0	0	0								
		43	1	0	44	44	44	44	44	44	45	52	1	1	1	1	1	2	9	2.3%	2.3%	2.3%	2.3%	4.4%	17.3%	0	0	0	0	0	0	0	0	0	0	0	0							
	26	1	0	27	27	27	27	27	27	28	35	1	1	1	1	1	2	9	3.7%	3.7%	3.7%	3.7%	7.1%	25.7%	0	0	0	0	0	0	0	0	0	0	0	0								
Daily	2467	164	19	2650	2718	3002	2711	2981	2708	2950	183	251	535	244	514	241	483	6.9%	9.2%	17.8%	9.0%	17.2%	8.9%	16.4%	0	68	352	61	331	58	300	0	68	352										
% CT of HV																		0.0%	27.1%	65.8%	25.0%	64.4%	24.1%	62.1%	0	60	312	61	331	42	214	0	60	312										
Day (6am-10pm)	2220	151	18	2389	2449	2701	2450	2720	2431	2603	169	229	481	230	500	211	383	7.1%	9.4%	17.8%	9.4%	18.4%	8.7%	14.7%	0	60	312	61	331	42	214	0	60	312										
% CT of HV																		0.0%	26.2%	64.9%	26.5%	66.2%	19.9%	55.9%																				
Night (10pm-7am)	247	13	1	261	269	301	261	261	277	347	14	22	54	14	14	30	100	5.4%	8.2%	17.9%	5.4%	10.8%	28.8%	0	8	40	0	0	0	16	86	0	8	40										
% CT of HV																		0.0%	36.4%	74.1%	0.0%	53.3%	86.0%																					

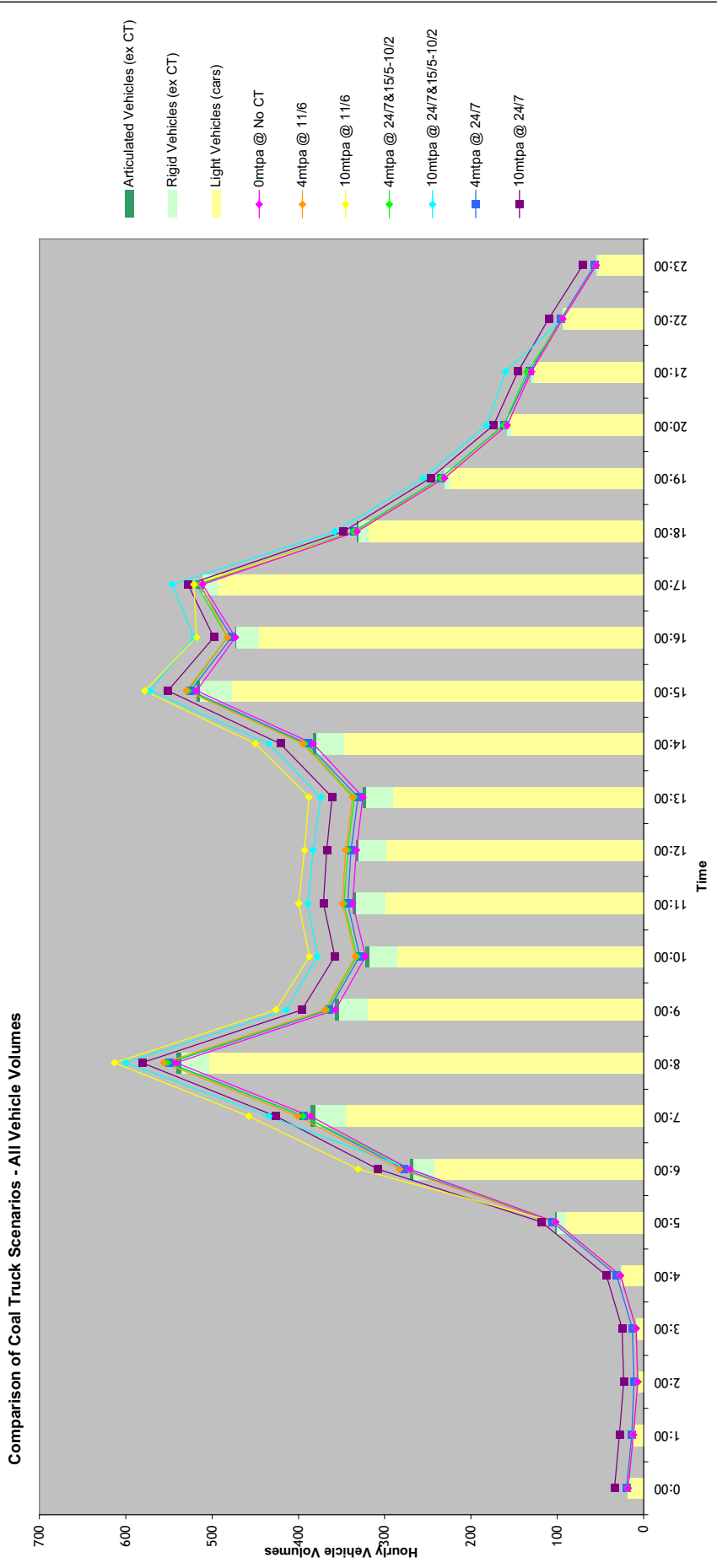
2018 Average Weekday
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	2018 Average Weekday																															
	Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks																			
	Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only													
Base Volumes	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J	A	B	C	D	E	G	H	J
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 11/6	Omtpa @ 24/7&15-10/2	Omtpa @ 24/7	Omtpa @ 24/7	Omtpa @ No CT	
0:00	9	0	0	9	9	9	10	17	0	0	0	0	0	0	1	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%	47.1%	0	0	0	0	0	0	1	8
1:00	5	0	0	5	5	5	6	13	0	0	0	0	0	0	1	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7%	61.5%	0	0	0	0	0	0	1	8
2:00	3	0	0	3	3	3	3	5	11	0	0	0	0	0	2	8	0.0%	0.0%	0.0%	0.0%	0.0%	40.0%	72.7%	0	0	0	0	0	0	2	8	
3:00	4	1	0	5	5	5	7	13	1	1	1	1	1	1	3	9	20.0%	20.0%	20.0%	20.0%	20.0%	42.9%	69.2%	0	0	0	0	0	0	2	8	
4:00	16	2	0	18	18	18	18	20	26	2	2	2	2	2	4	10	11.1%	11.1%	11.1%	11.1%	11.1%	20.0%	38.5%	0	0	0	0	0	0	2	8	
5:00	55	7	1	63	63	63	63	65	71	8	8	8	8	8	10	16	12.7%	12.7%	12.7%	12.7%	12.7%	15.4%	22.5%	0	0	0	0	0	0	2	8	
6:00	134	17	2	153	153	153	153	156	168	19	23	39	19	19	22	34	12.4%	14.6%	22.5%	12.4%	14.4%	20.2%	0	0	0	0	0	0	3	15		
7:00	154	24	3	181	189	218	184	197	185	202	27	35	64	30	43	31	48	14.9%	18.5%	29.4%	16.3%	21.8%	23.8%	0	8	37	3	16	4	21		
8:00	205	19	4	228	235	263	233	258	232	247	23	30	58	28	53	27	42	10.1%	12.8%	22.1%	12.0%	20.5%	11.6%	0	7	35	5	30	4	19		
9:00	158	20	2	180	186	215	185	208	184	200	22	28	57	27	50	26	42	12.2%	15.1%	26.5%	14.6%	24.0%	14.1%	0	6	35	5	28	4	20		
10:00	149	19	3	171	177	204	176	200	175	189	22	28	55	27	51	26	40	12.9%	15.8%	27.0%	15.3%	25.5%	14.9%	0	6	33	5	29	4	18		
11:00	159	21	1	181	187	213	186	207	184	198	22	28	54	27	48	25	39	12.2%	15.0%	25.4%	14.5%	23.2%	13.6%	0	6	32	5	26	3	17		
12:00	157	17	1	175	181	205	180	200	178	192	18	24	48	23	43	21	35	10.3%	13.3%	23.4%	12.8%	21.5%	11.8%	0	6	30	5	25	3	17		
13:00	161	17	2	180	186	211	185	205	183	198	19	25	50	24	44	22	37	10.6%	13.4%	23.7%	13.0%	21.5%	12.0%	0	6	31	5	25	3	18		
14:00	198	19	2	219	225	252	224	244	222	238	21	27	54	26	46	24	40	9.6%	12.0%	21.4%	11.6%	18.9%	10.8%	0	6	33	5	25	3	19		
15:00	273	21	1	295	301	326	300	322	299	312	22	28	53	27	49	26	39	7.5%	9.3%	16.3%	9.0%	15.2%	8.7%	0	6	31	5	27	4	17		
16:00	277	19	0	293	298	318	298	318	295	307	16	21	41	21	41	18	30	5.5%	7.0%	12.9%	7.0%	12.9%	6.1%	0	5	25	5	25	2	14		
17:00	326	10	0	336	338	346	340	355	338	345	10	12	20	14	29	12	19	3.0%	3.6%	5.8%	4.1%	8.2%	3.6%	0	2	10	4	19	2	9		
18:00	195	8	0	203	203	203	205	217	205	211	8	8	8	10	22	10	16	3.9%	3.9%	4.9%	4.9%	10.1%	4.9%	0	0	0	2	14	2	8		
19:00	129	3	0	132	132	132	134	144	134	140	3	3	3	5	15	5	11	2.3%	2.3%	3.3%	3.7%	10.4%	3.7%	0	0	0	2	12	2	8		
20:00	93	3	0	96	96	96	98	108	98	104	3	3	3	5	15	5	11	3.1%	3.1%	3.1%	5.1%	13.9%	3.1%	0	0	0	2	12	2	8		
21:00	77	2	0	79	79	79	82	97	80	87	2	2	2	2	5	20	3	10	2.5%	2.5%	2.5%	6.1%	20.6%	3.8%	0	0	0	3	18	1	8	
22:00	49	1	0	50	50	50	50	51	51	58	1	1	1	1	1	1	2	9	2.0%	2.0%	2.0%	2.0%	3.9%	15.5%	0	0	0	0	0	1	8	
23:00	27	1	0	28	28	28	28	28	28	29	36	1	1	1	1	2	9	3.6%	3.6%	3.6%	3.6%	6.9%	25.0%	0	0	0	0	0	1	8		
Daily	3013	248	22	3283	3351	3635	3344	3614	3341	3583	270	338	622	331	601	328	570	8.2%	10.1%	17.1%	9.9%	16.6%	9.8%	15.9%	0	68	352	61	331	58	300	
% CT of HV																		0.0%	20.3%	56.6%	18.4%	55.1%	17.7%	52.6%								
Day (6am-10pm)	2711	219	19	2949	3013	3281	3010	3280	2992	3170	238	302	570	299	569	281	459	8.1%	10.0%	17.4%	9.9%	17.3%	9.4%	14.5%	0	64	332	61	331	43	221	
% CT of HV																		0.0%	21.2%	58.2%	20.4%	58.2%	15.3%	48.1%								
Night (10pm-7am)	302	29	3	334	338	354	334	334	349	413	32	36	52	32	32	47	111	9.6%	10.7%	14.7%	9.6%	13.5%	26.9%		0	4	20	0	0	15	79	
% CT of HV																		0.0%	11.1%	38.5%	0.0%	0.0%	31.9%	71.2%								

Direction		2018 Average Weekday 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																													
		Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks					Coal Trucks Only						
Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	
18	0	0	18	18	18	18	18	20	34	0	0	0	0	0	2	16	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	47.1%	0	0	0	0	0	2	16	
12	0	0	12	12	12	12	12	14	28	0	0	0	0	0	2	16	0.0%	0.0%	0.0%	0.0%	0.0%	57.1%	0	0	0	0	0	0	2	16	
7	0	0	7	7	7	7	7	7	11	23	0	0	0	4	16	0.0%	0.0%	0.0%	0.0%	0.0%	36.4%	69.6%	0	0	0	0	0	0	4	16	
8	1	0	9	9	9	9	9	13	25	1	1	1	1	1	5	17	11.1%	11.1%	11.1%	11.1%	11.1%	68.0%	0	0	0	0	0	4	16		
25	2	0	27	27	27	27	27	31	43	2	2	2	2	2	9	18	7.4%	7.4%	7.4%	7.4%	7.4%	41.9%	0	0	0	0	0	4	16		
91	10	1	102	102	102	102	102	106	118	11	11	11	11	11	15	27	10.8%	10.8%	10.8%	10.8%	10.8%	22.9%	0	0	0	0	0	4	16		
243	25	3	271	283	331	271	271	278	308	28	40	88	28	28	35	65	14.1%	14.1%	14.1%	14.1%	14.1%	21.1%	0	12	60	0	0	7	37		
345	36	5	386	401	457	395	434	394	426	41	56	112	50	89	49	81	10.6%	14.0%	24.5%	12.7%	20.5%	19.0%	0	15	71	9	48	8	40		
503	33	6	542	556	613	552	600	550	581	39	53	110	49	97	47	78	7.2%	9.5%	17.9%	8.9%	16.2%	13.4%	0	14	71	10	58	8	39		
320	33	4	357	369	426	367	414	365	396	37	49	106	47	94	45	76	10.4%	13.3%	24.9%	12.8%	22.7%	19.2%	0	12	69	10	57	8	39		
286	32	4	322	334	387	332	378	329	358	36	48	101	46	92	43	72	11.2%	14.4%	26.1%	13.9%	24.3%	20.1%	0	12	65	10	56	7	36		
299	35	3	337	349	400	347	389	343	371	38	50	101	48	90	44	72	11.3%	14.3%	25.3%	13.8%	23.1%	19.4%	0	12	63	10	52	6	34		
299	31	3	333	345	393	343	383	339	367	34	46	94	44	84	40	68	10.2%	13.3%	23.9%	12.8%	21.9%	18.5%	0	12	60	10	50	6	34		
290	32	3	325	337	388	335	374	331	361	35	47	98	45	84	41	71	10.8%	13.9%	25.3%	13.4%	22.5%	19.7%	0	12	63	10	49	6	36		
347	32	4	383	395	450	393	434	390	421	36	48	103	46	87	43	74	9.4%	12.2%	22.9%	11.7%	20.0%	17.6%	0	12	67	10	51	7	38		
477	38	3	518	530	578	528	572	525	551	41	53	101	51	95	48	74	7.9%	10.0%	17.5%	9.7%	16.6%	13.4%	0	12	60	10	54	7	38		
446	26	1	473	482	518	482	521	477	498	27	36	72	36	75	31	52	5.7%	7.5%	13.9%	7.5%	14.4%	10.4%	0	9	45	9	48	4	25		
494	17	0	511	513	521	518	546	515	528	17	19	27	24	52	21	34	3.3%	3.7%	5.2%	4.6%	9.5%	6.4%	0	2	10	7	35	4	17		
319	12	1	332	332	332	336	358	336	348	13	13	13	17	39	17	29	3.9%	3.9%	3.9%	5.1%	10.9%	8.3%	0	0	0	0	4	26	4	16	
225	6	0	231	231	231	235	255	235	247	6	6	6	10	30	10	22	2.6%	2.6%	2.6%	4.3%	11.8%	4.3%	8.9%	0	0	0	0	4	24	4	16
154	4	0	158	158	158	162	182	162	174	4	4	4	8	28	8	20	2.5%	2.5%	2.5%	4.9%	15.4%	4.9%	11.5%	0	0	0	0	4	24	4	16
127	3	0	130	130	130	135	160	132	146	3	3	3	8	33	5	19	2.3%	2.3%	2.3%	5.9%	20.6%	3.8%	13.0%	0	0	0	0	5	30	2	16
92	2	0	94	94	94	94	94	96	110	2	2	2	2	2	4	18	2.1%	2.1%	2.1%	2.1%	4.2%	16.4%	0	0	0	0	0	0	2	16	
53	2	0	55	55	55	55	55	55	57	2	2	2	2	2	4	18	3.6%	3.6%	3.6%	3.6%	7.0%	25.4%	0	0	0	0	0	2	16		
5480	412	41	5933	6069	6637	6055	6595	6049	6533	453	589	1157	575	1115	569	1053	7.6%	9.7%	17.4%	9.5%	16.9%	16.1%	0	136	704	122	662	116	600		
% CT of RV			0.0%	23.1%	60.8%	21.2%	59.4%	20.4%	57.0%																						
Day (6am-10pm)	4931	370	5338	5462	5982	5460	6000	5423	5773	407	531	1051	529	1069	492	842	7.6%	9.7%	17.6%	9.7%	17.8%	17.3%	0	124	644	122	662	85	435		
% CT of HV			0.0%	23.4%	61.3%	23.1%	61.9%	23.1%	61.9%																						
Night (10pm-7am)	549	42	595	607	655	595	595	626	760	46	58	106	46	46	77	211	7.7%	9.6%	16.2%	7.7%	12.3%	27.8%	0	12	60	0	0	31	165		
% CT of HV			0.0%	20.7%	56.6%	0.0%	0.0%	40.3%	78.2%																						

2018 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



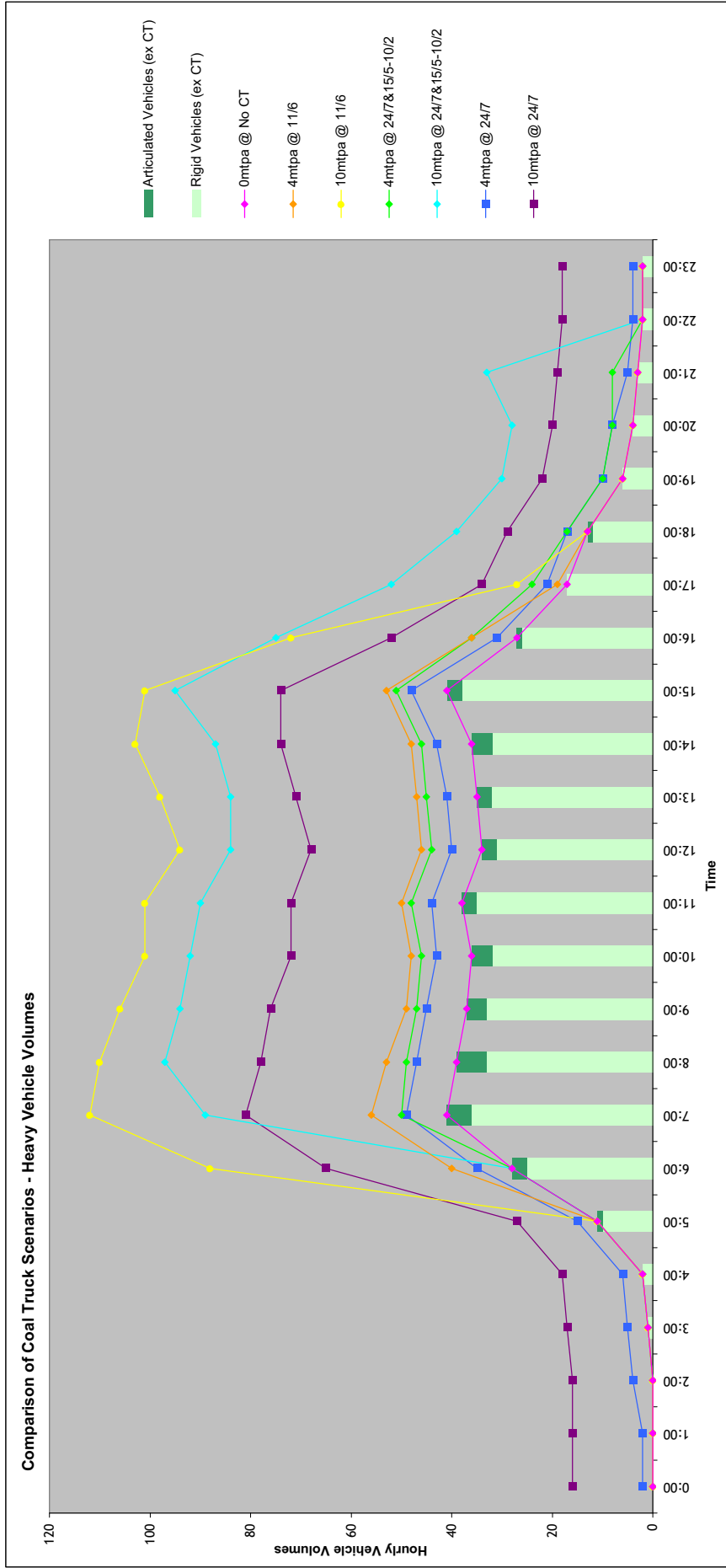
Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff /GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid+artic-CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

2018 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Truck between Westciff / GORE & PKCT

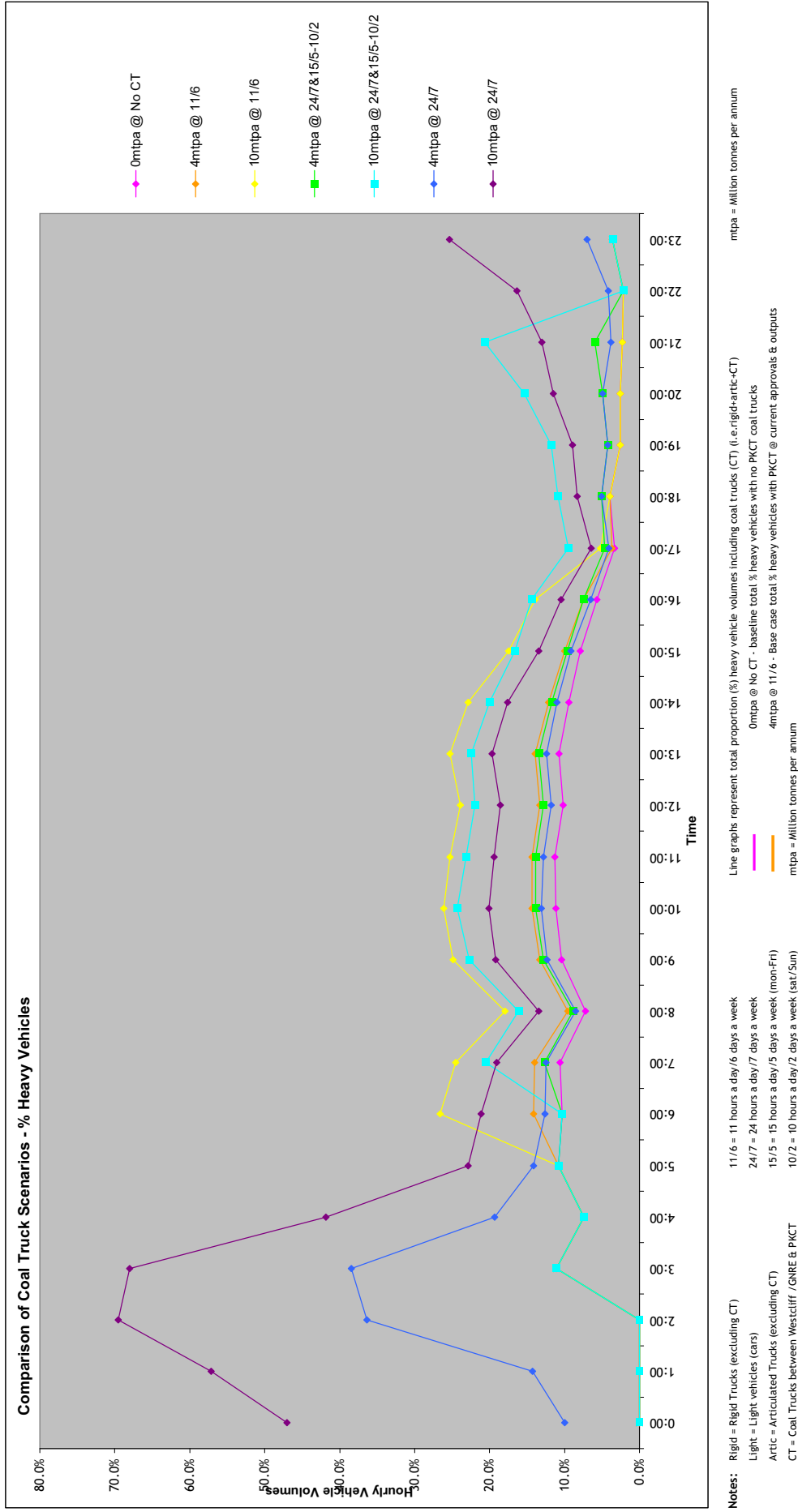
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekday

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



2018 Average Weekend
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	Time	Total Vehicles Including Coal Trucks										Total Heavy Vehicles Including Coal Trucks										% Heavy Vehicles Including Coal Trucks										Coal Trucks Only									
		Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only																			
		A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J					
Southbound (to PKT)	0:00	23	1	0	0	24	24	24	24	26	31	1	1	1	1	3	8	4.2%	4.2%	4.2%	4.2%	11.5%	25.8%	0	0	0	0	0	2	7											
	1:00	13	1	0	14	14	14	14	16	21	1	1	1	1	3	8	7.1%	7.1%	7.1%	7.1%	18.8%	38.1%	0	0	0	0	0	0	2	7											
	2:00	8	1	0	9	9	9	9	10	16	1	1	1	1	2	8	11.1%	11.1%	11.1%	11.1%	20.0%	50.0%	0	0	0	0	0	0	1	7											
	3:00	7	0	0	7	7	7	7	8	14	0	0	0	0	1	7	0.0%	0.0%	0.0%	0.0%	12.5%	50.0%	0	0	0	0	0	0	1	7											
	4:00	9	0	0	9	9	9	9	10	16	0	0	0	0	1	7	0.0%	0.0%	0.0%	0.0%	10.0%	43.8%	0	0	0	0	0	0	1	7											
	5:00	19	1	1	21	23	32	21	21	22	27	2	4	13	2	3	8	9.5%	17.4%	40.6%	9.5%	13.6%	29.6%	0	2	11	0	0	1	6	29										
	6:00	34	2	0	36	45	84	36	36	42	65	2	11	50	2	2	8	5.6%	24.4%	59.5%	5.6%	19.0%	47.7%	0	9	48	0	0	0	6	29										
	7:00	57	3	0	60	70	114	60	66	92	3	13	57	3	3	9	35	5.0%	18.6%	50.0%	5.0%	13.6%	38.0%	0	10	54	0	0	0	6	32										
	8:00	99	5	0	104	113	150	110	136	109	132	5	14	51	11	37	10	33	4.8%	12.4%	34.0%	10.0%	27.2%	25.0%	0	9	46	6	32	5	28										
	9:00	147	7	1	155	163	195	162	190	160	179	8	16	48	15	43	13	32	5.2%	9.8%	24.6%	9.3%	22.6%	8.1%	0	8	40	7	35	5	24										
	10:00	169	5	0	174	180	205	180	204	177	192	5	11	36	11	35	8	23	2.9%	6.1%	17.6%	6.1%	17.2%	4.5%	12.0%	0	6	31	6	30	3	18									
	11:00	195	7	1	203	208	231	208	229	206	220	8	13	36	13	34	11	25	3.9%	6.3%	15.6%	6.3%	14.8%	5.3%	11.4%	0	5	28	5	26	3	17									
	12:00	191	7	1	199	205	230	203	219	202	217	8	14	39	12	28	11	26	4.0%	6.8%	17.0%	5.9%	12.8%	5.4%	12.0%	0	6	31	4	20	3	18									
	13:00	156	3	1	160	166	193	164	179	164	180	4	10	37	8	23	8	24	2.5%	6.0%	19.2%	4.9%	12.8%	4.9%	13.3%	0	6	33	4	19	4	20									
	14:00	157	4	0	161	166	185	165	181	164	176	4	9	28	8	24	7	19	2.5%	5.4%	15.1%	4.8%	13.3%	4.3%	10.8%	0	5	24	4	20	3	15									
	15:00	137	3	0	140	141	146	144	161	141	144	3	4	9	7	24	4	7	2.1%	2.8%	6.2%	4.9%	14.9%	2.8%	4.9%	0	1	6	4	21	1	4									
	16:00	145	3	0	148	148	148	151	164	149	155	3	3	6	19	4	10	2.0%	2.0%	2.0%	4.0%	11.6%	2.7%	6.5%	0	0	0	0	3	16	1	7									
	17:00	134	2	0	136	136	136	137	140	137	143	2	2	2	3	6	3	9	1.5%	1.5%	1.5%	2.2%	4.3%	2.2%	6.3%	0	0	0	1	4	1	7									
	18:00	111	1	0	112	112	112	112	112	113	119	1	1	1	1	1	2	8	0.9%	0.9%	0.9%	0.9%	0.9%	1.8%	6.7%	0	0	0	0	1	4	1	7								
	19:00	76	1	0	77	77	77	77	77	78	84	1	1	1	1	1	2	8	1.3%	1.3%	1.3%	1.3%	1.3%	2.6%	9.5%	0	0	0	0	0	1	7									
	20:00	59	1	0	60	60	60	60	60	61	67	1	1	1	1	1	2	8	1.7%	1.7%	1.7%	1.7%	1.7%	3.3%	11.9%	0	0	0	0	0	1	7									
	21:00	46	1	0	47	47	47	47	47	48	54	1	1	1	1	1	2	8	2.1%	2.1%	2.1%	2.1%	2.1%	4.2%	14.8%	0	0	0	0	0	1	7									
	22:00	44	1	0	45	45	45	45	45	47	52	1	1	1	1	1	3	8	2.2%	2.2%	2.2%	2.2%	2.2%	6.4%	15.4%	0	0	0	0	0	2	7									
	23:00	25	0	0	25	25	25	25	25	27	32	0	0	0	0	0	2	7	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%	21.9%	0	0	0	0	2	7										
Daily	2061	60	5	2126	2193	2478	2170	2349	2183	2428	65	132	417	109	288	122	367	3.1%	6.0%	16.8%	5.0%	12.3%	5.6%	15.1%	0	67	352	44	223	57	302										
% CT of HV																		0.0%	50.8%	84.4%	40.4%	77.4%	46.7%	82.3%																	
Day (6am-10pm)	1879	53	4	1936	1992	2229	1980	2159	1975	2154	57	113	350	101	280	96	275	2.9%	5.7%	15.7%	5.1%	13.0%	4.9%	12.8%	0	56	293	44	223	39	218										
% CT of HV																		0.0%	49.6%	83.7%	43.6%	79.6%	40.6%	79.3%																	
Night (10pm-7am)	182	7	1	190	201	249	190	190	208	274	8	19	67	8	8	26	92	4.2%	9.5%	26.9%	4.2%	4.2%	12.5%	33.6%	0	11	59	0	0	18	84										
% CT of HV																		0.0%	57.9%	88.1%	0.0%	0.0%	69.2%	91.3%																	

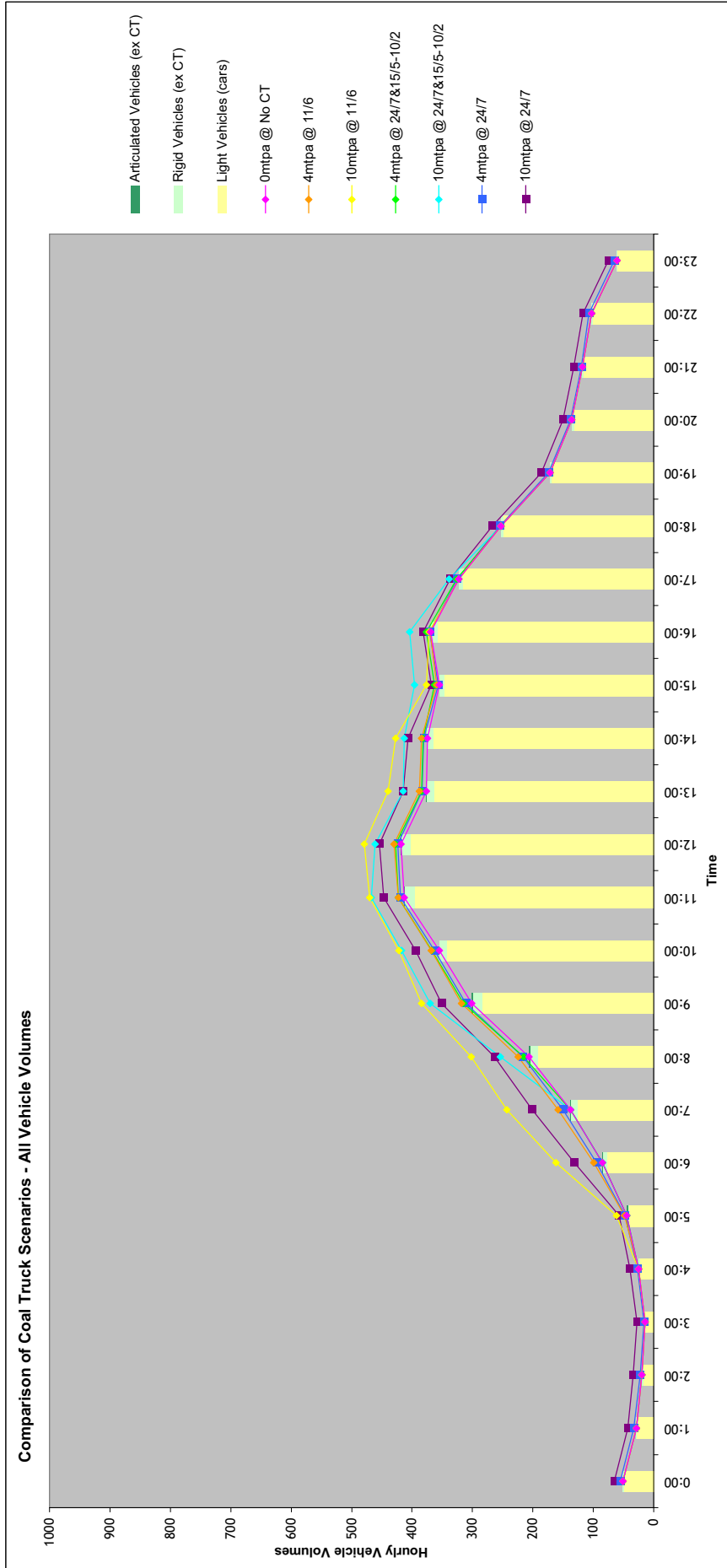
2018 Average Weekend
7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street

Direction	2018 Average Weekend 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																																						
	Base Volumes						Total Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only														
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	C	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J						
Time																																							
0:00	26	1	0	27	27	27	27	27	27	27	27	27	29	34	1	1	1	1	1	1	1	1	3	8	3.7%	3.7%	3.7%	3.7%	3.7%	3.7%	10.3%	10.3%	23.5%	0	0	0	2	7	
1:00	15	0	0	15	15	15	15	15	15	15	15	15	17	22	0	0	0	0	0	0	0	0	2	7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%	11.8%	31.8%	0	0	0	2	7	
2:00	10	1	0	11	11	11	11	11	11	11	11	11	12	18	1	1	1	1	1	1	1	2	8	9.1%	9.1%	9.1%	9.1%	9.1%	9.1%	16.7%	16.7%	44.4%	0	0	0	1	7		
3:00	7	0	0	7	7	7	7	7	7	7	7	7	8	14	0	0	0	0	0	0	0	1	7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	12.5%	50.0%	0	0	0	1	7		
4:00	14	2	0	16	16	16	16	16	16	16	16	16	17	23	2	2	2	2	2	2	2	3	9	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	17.6%	17.6%	39.1%	0	0	0	1	7		
5:00	22	1	1	24	25	30	24	24	24	24	24	25	30	2	3	8	8	8	8	8	8	2	3	8	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	12.0%	12.0%	26.7%	0	1	6	0	1	7
6:00	44	4	1	49	54	78	49	49	49	49	49	53	66	5	10	34	5	5	5	5	5	5	9	22	10.2%	10.2%	10.2%	10.2%	10.2%	10.2%	17.0%	17.0%	33.3%	0	5	29	0	4	17
7:00	70	7	1	78	88	129	78	78	78	78	84	109	8	18	59	8	18	18	18	18	18	8	14	39	10.3%	10.3%	10.3%	10.3%	10.3%	16.7%	16.7%	35.8%	0	10	51	0	6	31	
8:00	93	7	2	102	111	152	105	118	107	132	9	18	59	12	25	14	39	8.8%	16.2%	38.8%	11.4%	21.2%	13.1%	29.5%	0	9	50	1	3	16	5	30	1	5	26				
9:00	137	8	1	146	155	189	153	180	151	172	9	18	52	16	43	14	35	6.2%	11.6%	27.5%	10.5%	23.9%	9.3%	20.3%	0	9	43	7	34	5	26	5	26						
10:00	173	8	0	181	188	217	187	213	186	202	8	15	44	14	40	13	29	4.4%	8.0%	20.3%	7.5%	18.8%	7.0%	14.4%	0	7	36	6	32	6	32	5	21						
11:00	201	9	0	210	215	239	215	238	213	227	9	14	38	14	37	12	26	4.3%	6.5%	15.9%	6.5%	15.5%	5.6%	11.5%	0	5	29	5	28	3	17	5	28	3	17				
12:00	211	8	0	219	225	249	224	242	222	237	8	14	38	13	31	11	26	3.7%	6.2%	15.3%	5.8%	12.8%	5.0%	11.0%	0	6	30	5	23	3	18	3	18						
13:00	208	8	0	216	222	247	220	236	219	235	8	14	39	12	28	11	27	3.7%	6.3%	15.8%	5.5%	11.9%	5.0%	11.5%	0	6	31	4	20	3	19	3	19						
14:00	208	5	0	213	218	242	217	232	217	231	5	10	34	9	24	9	23	2.3%	4.6%	14.0%	4.1%	10.3%	4.1%	10.0%	0	5	29	4	19	4	18	4	18						
15:00	210	5	0	215	218	230	219	235	216	224	5	8	20	9	25	6	14	2.3%	3.7%	8.7%	4.1%	10.6%	2.8%	6.3%	0	3	15	4	19	4	20	1	9						
16:00	213	8	0	221	222	224	225	240	222	227	8	9	11	12	27	9	14	3.6%	4.1%	4.9%	5.3%	11.3%	4.1%	6.2%	0	1	3	4	19	1	6	1	6						
17:00	182	5	0	187	187	187	189	199	188	194	5	5	7	17	6	12	2.7%	2.7%	2.7%	2.7%	3.7%	8.5%	3.2%	6.2%	0	0	0	2	12	1	7	1	7						
18:00	138	3	0	141	141	141	141	141	141	148	3	3	3	3	3	4	10	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.8%	0	0	0	0	0	0	1	7	1	7					
19:00	93	2	0	95	95	95	95	95	96	102	2	2	2	2	2	3	9	2.1%	2.1%	2.1%	2.1%	2.1%	3.1%	8.5%	0	0	0	0	0	0	1	7	1	7					
20:00	73	3	0	76	76	76	76	76	76	77	3	3	3	3	3	4	10	3.9%	3.9%	3.9%	3.9%	3.9%	3.9%	5.2%	0	0	0	0	0	0	1	7	1	7					
21:00	70	1	0	71	71	71	71	71	71	72	1	1	1	1	1	2	8	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	2.8%	0	0	0	0	0	0	1	7	1	7					
22:00	56	2	0	58	58	58	58	58	58	60	2	2	2	2	2	4	9	3.4%	3.4%	3.4%	3.4%	3.4%	6.7%	13.8%	0	0	0	0	0	0	2	7	1	7					
23:00	35	1	0	36	36	36	36	36	36	38	1	1	1	1	1	3	8	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	7.9%	18.6%	0	0	0	0	0	2	7	1	7					
Daily	2509	99	6	2614	2681	2966	2658	2837	2671	2916	105	172	457	149	328	162	407	4.0%	6.4%	15.4%	5.6%	11.6%	6.1%	14.0%	0	67	352	44	223	57	302	57	302						
% CT of HV																																							
Day (6am-10pm)	2280	87	4	2371	2432	2688	2415	2594	2412	2601	91	152	408	135	314	132	321	3.8%	6.3%	15.2%	5.6%	12.1%	5.5%	12.3%	0	61	317	44	223	41	230	41	230						
% CT of HV																																							
Night (10pm-7am)	229	12	2	243	249	278	243	243	243	259	14	20	49	14	14	30	86	5.8%	8.0%	17.6%	5.8%	5.8%	11.6%	27.3%	0	6	35	0	0	16	72	16	72						
% CT of HV																																							

		2018 Average Weekend 7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street																															
Direction	Time	Base Volumes			Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only													
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	
Two-Way	0:00	49	2	0	51	51	51	15	51	55	65	2	2	2	2	6	16	3.9%	3.9%	3.9%	3.9%	3.9%	10.9%	24.6%	0	0	0	0	0	0	4	14	
	1:00	28	1	0	29	29	29	29	29	33	43	1	1	1	1	5	15	3.4%	3.4%	3.4%	3.4%	3.4%	15.2%	34.9%	0	0	0	0	0	0	4	14	
	2:00	18	2	0	20	20	20	20	20	22	34	2	2	2	2	2	4	16	10.0%	10.0%	10.0%	10.0%	10.0%	18.2%	47.1%	0	0	0	0	0	0	2	14
	3:00	14	0	0	14	14	14	14	14	14	16	28	0	0	0	0	2	14	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	50.0%	0	0	0	0	0	0	2	14
	4:00	23	2	0	25	25	25	25	25	27	39	2	2	2	2	4	16	8.0%	8.0%	8.0%	8.0%	8.0%	14.8%	41.0%	0	0	0	0	0	0	2	14	
	5:00	41	2	2	45	48	48	48	48	45	47	57	4	7	21	4	6	16	8.9%	14.6%	33.9%	8.9%	8.9%	12.8%	28.1%	0	3	17	0	2	12	12	
	6:00	78	6	1	85	99	162	85	85	95	131	7	21	84	7	17	53	8.2%	21.2%	51.9%	8.2%	8.2%	17.9%	40.5%	0	14	77	0	0	10	46		
	7:00	127	10	1	138	158	243	138	138	150	201	11	31	116	11	23	74	8.0%	19.8%	47.7%	8.0%	8.0%	15.3%	36.8%	0	20	105	0	0	12	63		
	8:00	192	12	2	206	224	302	215	254	216	264	14	32	110	23	62	24	72	6.8%	14.3%	36.4%	10.7%	24.4%	11.1%	27.3%	0	18	96	9	48	10	58	
	9:00	284	15	2	301	318	384	315	370	311	351	17	34	100	31	86	27	67	5.6%	10.7%	26.0%	9.8%	23.2%	8.7%	19.1%	0	17	83	14	69	10	50	
	10:00	342	13	0	355	368	422	367	417	363	394	13	26	80	25	75	21	52	3.7%	7.1%	19.0%	6.8%	18.0%	5.8%	13.2%	0	13	67	12	62	8	39	
	11:00	396	16	1	413	423	470	423	467	419	447	17	27	74	27	71	23	51	4.1%	6.4%	15.7%	6.4%	15.2%	5.5%	11.4%	0	10	57	10	54	6	34	
	12:00	402	15	1	418	430	479	427	461	424	454	16	28	77	25	59	22	52	3.8%	6.3%	16.1%	5.9%	12.8%	5.2%	11.5%	0	12	61	9	43	6	36	
	13:00	364	11	1	376	388	440	384	415	383	415	12	24	76	20	51	19	51	3.2%	6.2%	17.3%	5.2%	12.3%	5.0%	12.3%	0	12	64	8	39	7	39	
	14:00	365	9	0	374	384	427	382	413	381	407	9	19	62	17	48	16	42	2.4%	4.9%	14.5%	4.5%	11.6%	4.2%	10.3%	0	10	53	8	39	7	33	
	15:00	347	8	0	355	359	376	363	396	357	368	8	12	29	16	49	10	21	2.3%	3.3%	7.7%	4.4%	12.4%	2.8%	5.7%	0	4	21	8	41	2	13	
	16:00	358	11	0	369	370	372	376	404	371	382	11	12	14	18	46	13	24	3.0%	3.2%	3.8%	4.8%	11.4%	3.5%	6.3%	0	1	3	7	35	2	13	
	17:00	316	7	0	323	323	323	326	339	325	337	7	7	7	10	23	9	21	2.2%	2.2%	2.2%	3.1%	6.8%	2.8%	6.2%	0	0	0	0	3	16	2	14
	18:00	249	4	0	253	253	253	253	253	253	267	4	4	4	4	4	4	6	1.6%	1.6%	1.6%	1.6%	1.6%	2.4%	6.7%	0	0	0	0	0	0	2	14
	19:00	169	3	0	172	172	172	172	172	174	186	3	3	3	3	3	5	17	1.7%	1.7%	1.7%	1.7%	1.7%	2.9%	9.1%	0	0	0	0	0	0	2	14
	20:00	132	4	0	136	136	136	136	136	138	150	4	4	4	4	4	6	18	2.9%	2.9%	2.9%	2.9%	2.9%	4.3%	12.0%	0	0	0	0	0	0	2	14
	21:00	116	2	0	118	118	118	118	118	120	132	2	2	2	2	2	4	16	1.7%	1.7%	1.7%	1.7%	1.7%	3.3%	12.1%	0	0	0	0	0	0	2	14
	22:00	100	3	0	103	103	103	103	103	107	117	3	3	3	3	3	7	17	2.9%	2.9%	2.9%	2.9%	2.9%	6.5%	14.5%	0	0	0	0	0	0	4	14
23:00	60	1	0	61	61	61	61	61	61	65	75	1	1	1	1	5	15	1.6%	1.6%	1.6%	1.6%	1.6%	7.7%	20.0%	0	0	0	0	0	0	4	14	
Daily	4570	159	11	4740	4874	5444	4828	5186	4854	5344	170	304	874	258	616	284	774	3.6%	6.2%	16.1%	5.3%	11.9%	5.9%	14.5%	0	134	704	88	446	114	604		
% CT of HV																		0.0%	44.1%	80.5%	34.1%	72.4%	40.1%	78.0%									
Day (6am-10pm)	4159	140	8	4307	4424	4917	4395	4753	4387	4755	148	265	758	236	594	228	596	3.4%	6.0%	15.4%	5.4%	12.5%	5.2%	12.5%	0	117	610	88	446	80	448		
% CT of HV																		0.0%	44.2%	80.5%	37.3%	75.1%	35.1%	75.2%									
Night (10pm-7am)	411	19	3	433	450	527	433	433	467	589	22	39	116	22	22	56	178	5.1%	8.7%	22.0%	5.1%	5.1%	12.0%	30.2%	0	17	94	0	0	34	156		
% CT of HV																		0.0%	43.6%	81.0%	0.0%	0.0%	60.7%	87.6%									

2018 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westciff /GNRE & PKCT

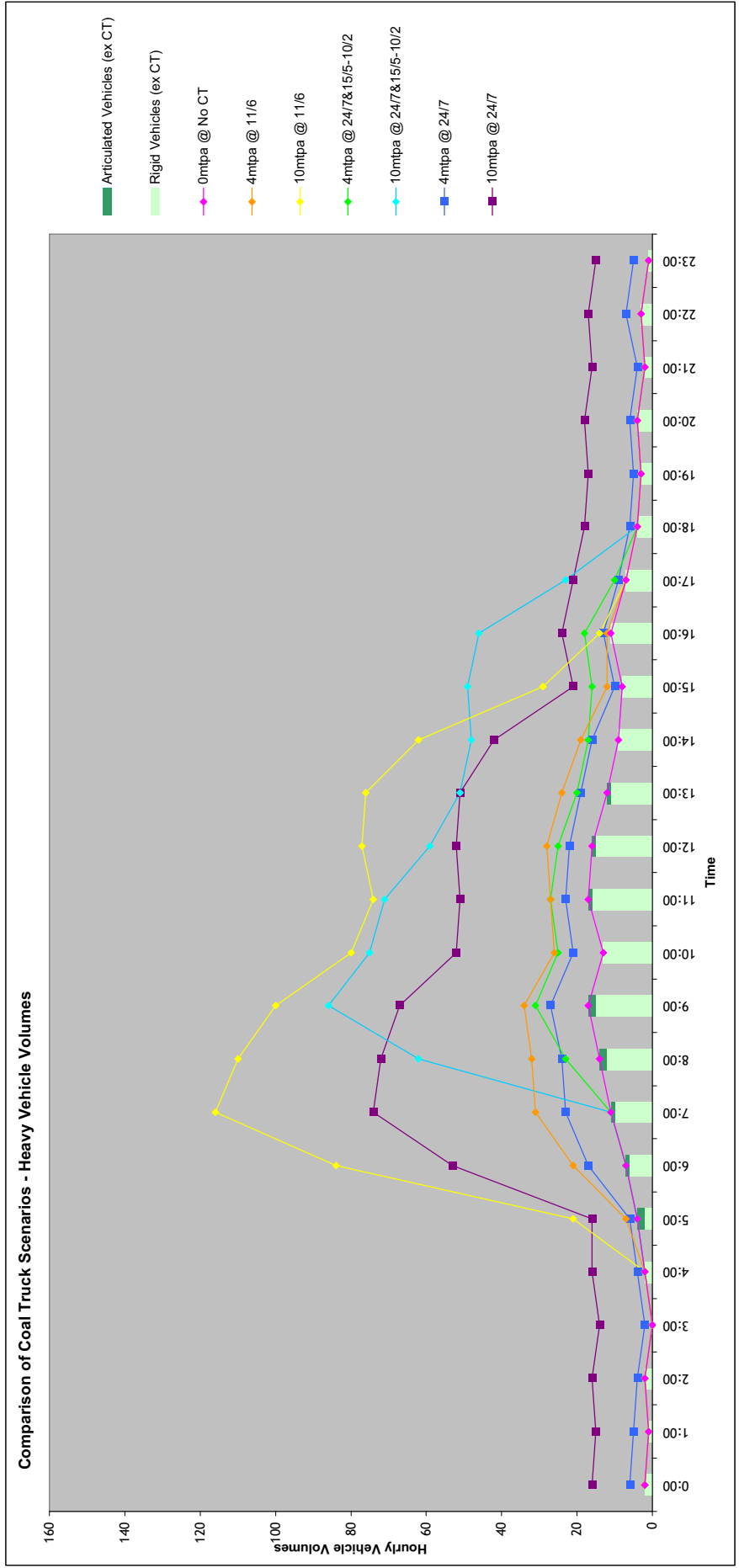
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
 Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT) | Light = Light vehicles (cars) | Artic = Articulated Trucks (excluding CT) | CT = Coal Trucks between Westciff /GNRE & PKCT

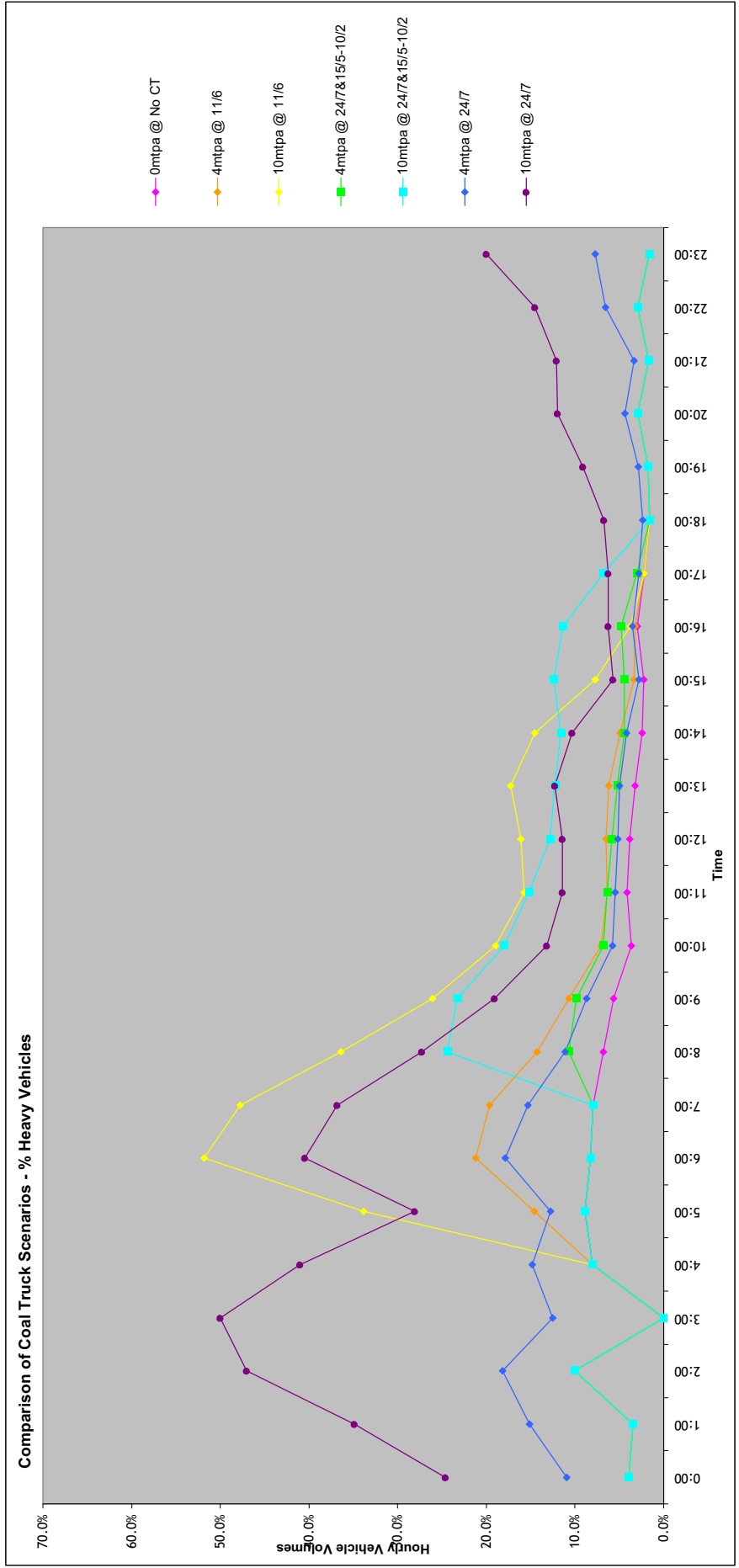
11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic-CT)
 0mtpa @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mtpa @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

2018 Average Weekend

7. Bellambi Lane, Bellambi Between Princes Highway and Gladstone Street



Notes: Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westciff /GNRE & PKCT

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Line graphs represent total proportion (%) heavy vehicle volumes including coal trucks (CT) (i.e.rigid+artic+CT)
 0mtpa @ No CT - baseline total % heavy vehicles with no PKCT coal Trucks
 4mtpa @ 11/6 - Base case total % heavy vehicles with PKCT @ current approvals & outputs

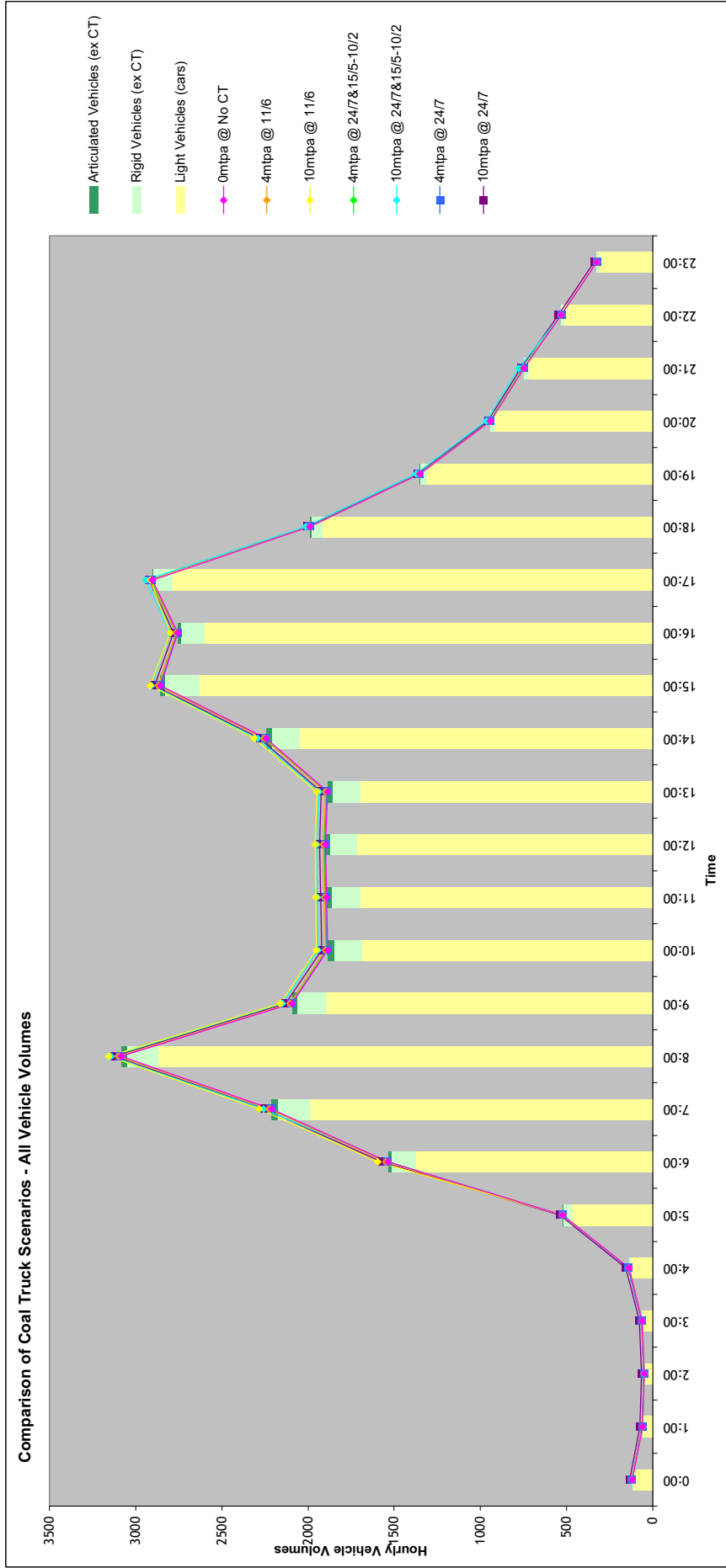
mtpa = Million tonnes per annum

Direction		2018 Average Weekday 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																															
		Base Volumes								Total Vehicles Including Coal Trucks								Total Heavy Vehicles Including Coal Trucks								% Heavy Vehicles Including Coal Trucks							
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	
Southbound (to PKT)	Time																																
	10:00	54	1	0	55	55	55	55	56	63	1	1	1	1	1	2	9	1.8%	1.8%	1.8%	1.8%	1.8%	3.6%	14.3%	0	0	0	0	0	0	1	8	
	11:00	27	1	0	28	28	28	28	29	36	1	1	1	1	1	2	9	3.6%	3.6%	3.6%	3.6%	3.6%	6.9%	25.0%	0	0	0	0	0	0	1	8	
	12:00	28	1	0	29	29	29	29	31	37	1	1	1	1	1	3	9	3.4%	3.4%	3.4%	3.4%	3.4%	7.1%	24.3%	0	0	0	0	0	0	2	8	
	13:00	24	4	0	28	28	28	28	30	36	4	4	4	4	4	6	12	14.3%	14.3%	14.3%	14.3%	14.3%	20.0%	33.3%	0	0	0	0	0	0	2	8	
	14:00	55	3	1	59	59	59	59	59	67	4	4	4	4	4	6	12	6.8%	6.8%	6.8%	6.8%	6.8%	9.8%	17.9%	0	0	0	0	0	0	2	8	
	15:00	255	19	1	275	275	275	275	275	277	283	20	20	20	20	22	28	7.3%	7.3%	7.3%	7.3%	7.3%	7.3%	7.9%	9.9%	0	0	0	0	0	2	8	
	16:00	764	45	7	816	824	856	816	816	820	838	52	60	92	52	52	56	74	6.4%	7.3%	10.7%	6.4%	6.4%	6.8%	8.8%	0	8	40	0	4	22		
	17:00	1313	69	15	1397	1404	1431	1403	1429	1401	1416	84	91	118	90	116	88	103	6.0%	6.5%	8.2%	6.4%	6.4%	6.3%	7.3%	0	7	34	6	32	4	19	
	18:00	1906	69	15	1990	1997	2026	1995	2018	1994	2010	84	91	120	89	112	88	104	4.2%	4.6%	5.9%	4.5%	5.6%	4.4%	5.2%	0	7	36	5	28	4	20	
	19:00	1163	64	13	1240	1246	1274	1245	1269	1244	1259	77	83	111	82	106	81	96	6.2%	6.7%	8.7%	6.6%	6.6%	6.5%	7.6%	0	6	34	5	29	4	20	
	20:00	988	69	12	1039	1045	1071	1044	1066	1042	1057	81	87	113	86	108	84	99	7.8%	8.3%	10.8%	8.2%	8.1%	8.1%	9.4%	0	6	32	5	27	3	18	
	21:00	886	70	13	969	975	999	974	994	972	986	83	89	113	88	108	86	100	8.6%	9.1%	11.3%	9.0%	10.9%	10.8%	10.1%	0	6	31	5	26	3	17	
	22:00	851	69	13	933	939	965	938	957	936	951	82	88	114	87	106	85	100	8.8%	9.4%	11.8%	9.3%	11.1%	9.1%	10.5%	0	6	32	5	24	3	18	
	23:00	932	66	15	1013	1019	1047	1018	1039	1017	1032	81	87	115	86	107	85	100	8.0%	8.5%	11.0%	8.4%	10.3%	8.4%	9.7%	0	6	34	5	26	4	19	
	% CT of HW	16093	831	149	17073	17141	17425	17134	17404	17131	17373	980	1048	1332	1041	1311	1038	1280	5.7%	6.1%	7.6%	6.1%	7.5%	6.1%	7.4%	0	68	352	61	331	58	300	
	Day (6am-10pm)	14524	750	140	15414	15474	15726	15475	15745	15456	15628	890	950	1202	951	1221	932	1104	5.8%	6.3%	7.6%	6.1%	7.8%	6.0%	7.1%	0	60	312	61	331	42	214	
	Night (10pm-7am)	1569	81	9	1659	1667	1699	1659	1659	1675	1745	90	98	130	90	106	176	176	5.4%	5.9%	7.7%	5.4%	5.4%	6.3%	10.1%	0	8	40	0	0	16	86	
	% CT of HW																		0.0%	8.2%	30.8%	0.0%	0.0%	15.1%	48.9%								

		2018 Average Weekday 8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane																																		
Direction	Time	Base Volumes			Total Vehicles Including Coal Trucks												% Heavy Vehicles Including Coal Trucks												Coal Trucks Only							
		Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J	A	B	D	E	G	H	J				
Northbound (from PKCT)	10:00	63	1	0	64	64	64	64	64	65	72	1	1	1	1	1	2	9	1.6%	1.6%	1.6%	1.6%	1.6%	3.1%	12.5%	0	0	0	0	0	1	8				
	11:00	30	1	0	31	31	31	31	31	32	39	1	1	1	1	1	2	9	3.2%	3.2%	3.2%	3.2%	3.2%	6.3%	23.1%	0	0	0	0	0	1	8				
	12:00	19	1	0	20	20	20	20	20	22	28	1	1	1	1	1	3	9	5.0%	5.0%	5.0%	5.0%	5.0%	13.6%	32.1%	0	0	0	0	0	0	2	8			
	3:00	30	4	0	34	34	34	34	34	36	42	4	4	4	4	4	6	12	11.8%	11.8%	11.8%	11.8%	11.8%	16.7%	28.6%	0	0	0	0	0	2	8				
	4:00	70	10	0	80	80	80	80	80	82	88	10	10	10	10	10	12	18	12.5%	12.5%	12.5%	12.5%	12.5%	14.6%	20.5%	0	0	0	0	0	2	8				
	5:00	214	30	4	248	248	248	248	256	256	34	34	34	34	34	36	42	13.7%	13.7%	13.7%	13.7%	13.7%	14.4%	16.4%	0	0	0	0	0	2	8					
	6:00	610	97	13	720	724	740	740	720	723	735	110	114	130	110	110	113	125	15.3%	15.3%	15.3%	15.3%	15.3%	15.6%	17.0%	0	0	0	0	0	3	15				
	7:00	677	118	19	814	822	851	851	830	818	835	137	145	174	140	153	141	158	16.8%	16.8%	16.8%	16.8%	16.8%	17.2%	18.9%	0	0	0	0	0	4	21				
	8:00	965	112	18	1095	1102	1130	1130	1100	1125	1099	1114	130	137	165	135	160	134	19	11.9%	11.9%	11.9%	11.9%	11.9%	12.2%	13.4%	0	0	0	0	0	7	35			
	9:00	734	103	15	852	858	887	887	857	880	856	872	118	124	153	123	146	122	138	13.8%	13.8%	13.8%	13.8%	13.8%	14.3%	15.8%	0	0	0	0	0	6	35			
	10:00	727	99	21	847	853	880	880	852	876	851	865	120	126	153	125	149	124	138	14.2%	14.2%	14.2%	14.2%	14.2%	14.6%	16.0%	0	0	0	0	0	6	33			
	11:00	796	99	13	908	914	940	940	913	934	911	925	112	118	144	117	138	115	129	12.3%	12.3%	12.3%	12.3%	12.3%	12.8%	13.9%	0	0	0	0	0	6	32			
	12:00	830	88	12	930	936	960	960	935	955	933	947	100	106	130	105	125	103	117	10.8%	10.8%	10.8%	10.8%	10.8%	11.0%	12.4%	0	0	0	0	0	6	30			
	13:00	848	93	13	954	960	985	985	959	979	957	972	106	112	137	111	131	109	124	11.1%	11.1%	11.1%	11.1%	11.1%	11.4%	12.8%	0	0	0	0	0	6	31			
	14:00	1117	97	16	1230	1236	1263	1263	1235	1255	1233	1249	113	119	146	118	138	116	132	9.2%	9.2%	9.2%	9.2%	9.2%	9.6%	10.6%	0	0	0	0	0	6	33			
	15:00	1338	115	13	1466	1472	1497	1497	1471	1493	1470	1483	128	134	159	133	155	132	145	8.7%	8.7%	8.7%	8.7%	8.7%	9.0%	10.4%	0	0	0	0	0	6	31			
	16:00	1490	90	7	1587	1592	1612	1612	1592	1612	1589	1601	97	102	122	102	122	99	111	6.1%	6.1%	6.1%	6.1%	6.1%	6.4%	7.6%	0	0	0	0	0	5	25			
	17:00	1710	81	3	1794	1796	1804	1804	1798	1813	1796	1803	84	86	94	88	103	86	93	4.7%	4.7%	4.7%	4.7%	4.7%	4.9%	5.2%	0	0	0	0	0	2	10			
	18:00	1060	48	3	1111	1111	1111	1111	1113	1125	1113	1119	51	51	51	51	53	45	53	4.6%	4.6%	4.6%	4.6%	4.6%	4.8%	5.3%	0	0	0	0	0	2	14			
	19:00	689	27	1	717	717	717	717	719	729	719	725	28	28	28	28	30	30	36	3.9%	3.9%	3.9%	3.9%	3.9%	4.2%	5.0%	0	0	0	0	0	0	2	12		
	20:00	541	21	1	563	563	563	563	565	575	565	571	22	22	22	24	24	24	30	3.9%	3.9%	3.9%	3.9%	3.9%	4.2%	5.3%	0	0	0	0	0	0	2	12		
	21:00	439	18	0	457	457	457	457	460	475	458	465	18	18	18	21	36	19	26	3.9%	3.9%	3.9%	3.9%	3.9%	4.6%	5.6%	0	0	0	0	0	0	3	18		
	22:00	286	12	0	298	298	298	298	298	298	299	306	12	12	12	12	12	13	20	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.3%	6.5%	0	0	0	0	0	0	0	1	8
	23:00	181	7	0	188	188	188	188	188	188	189	196	7	7	7	7	7	8	15	3.7%	3.7%	3.7%	3.7%	3.7%	3.7%	4.2%	7.7%	0	0	0	0	0	0	0	1	8
Daily	15464	1372	172	17008	17076	17360	17360	17069	17339	17066	17308	1544	1612	1896	1605	1875	1602	1844	9.1%	9.4%	10.9%	9.4%	10.8%	10.8%	9.4%	10.7%	0	68	352	61	331	58	300			
% CT of HV																			0.0%	4.2%	18.8%	3.8%	17.7%	3.6%	16.3%											
Day (6am-10pm)	13961	1209	155	15325	15389	15657	15386	15656	15368	15546	1364	1428	1696	1425	1695	1407	1585	8.9%	9.3%	10.8%	9.3%	10.8%	9.2%	10.2%	9.2%											
% CT of HV																			0.0%	4.5%	19.6%	4.3%	19.5%	3.1%	13.9%											
Night (10pm-7am)	1503	163	17	1683	1687	1703	1683	1683	1698	1762	180	184	200	180	180	195	259	10.7%	10.9%	11.7%	10.7%	10.7%	11.5%	14.7%												
% CT of HV																			0.0%	2.2%	10.0%	0.0%	7.7%	30.5%												

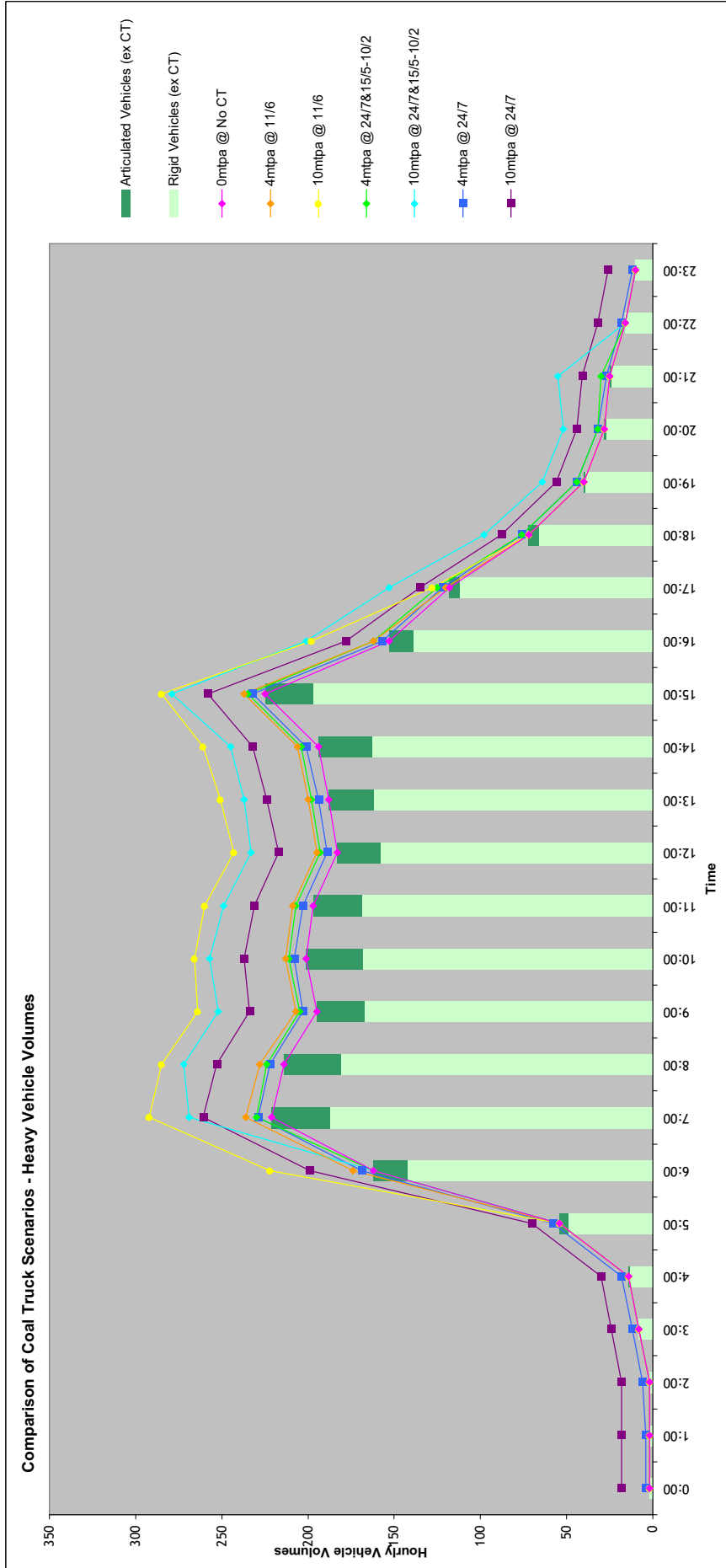
2018 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



2018 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



mpba = Million tonnes per annum

Bar graphs represent baseline projected heavy vehicle traffic volumes excluding coal trucks (CT)
 Line graphs represent total heavy vehicle volumes including coal trucks (CT) (i.e. rigid+artic+CT)

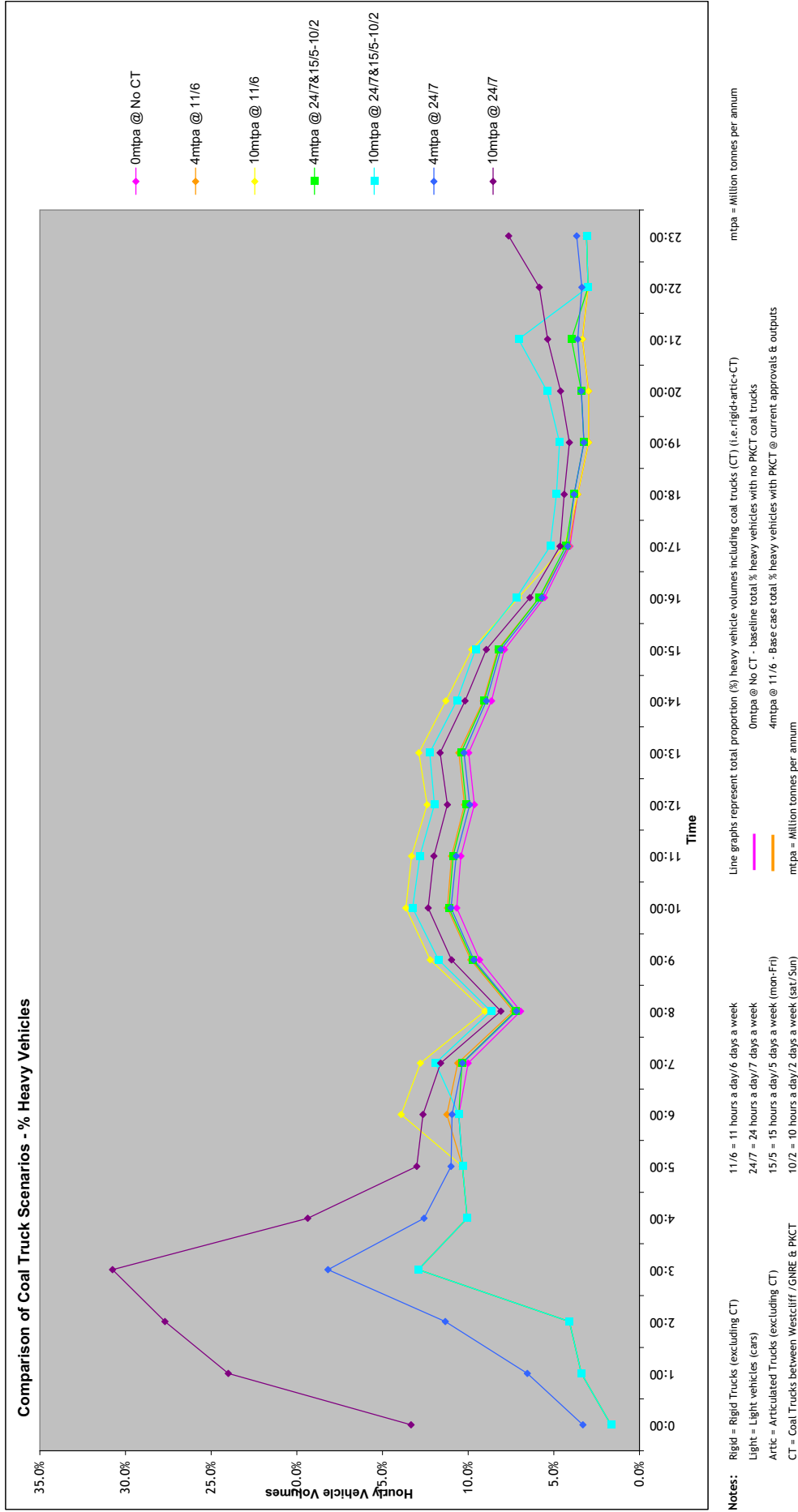
0mpba @ No CT - baseline total heavy vehicles with no PKCT coal trucks
 4mpba @ 11/6 - Base case total heavy vehicles with PKCT @ current approvals & outputs

11/6 = 11 hours a day/6 days a week
 24/7 = 24 hours a day/7 days a week
 15/5 = 15 hours a day/5 days a week (mon-Fri)
 10/2 = 10 hours a day/2 days a week (sat/Sun)

Notes:
 Rigid = Rigid Trucks (excluding CT)
 Light = Light vehicles (cars)
 Artic = Articulated Trucks (excluding CT)
 CT = Coal Trucks between Westcliff / GNRE & PKCT

2018 Average Weekday

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane

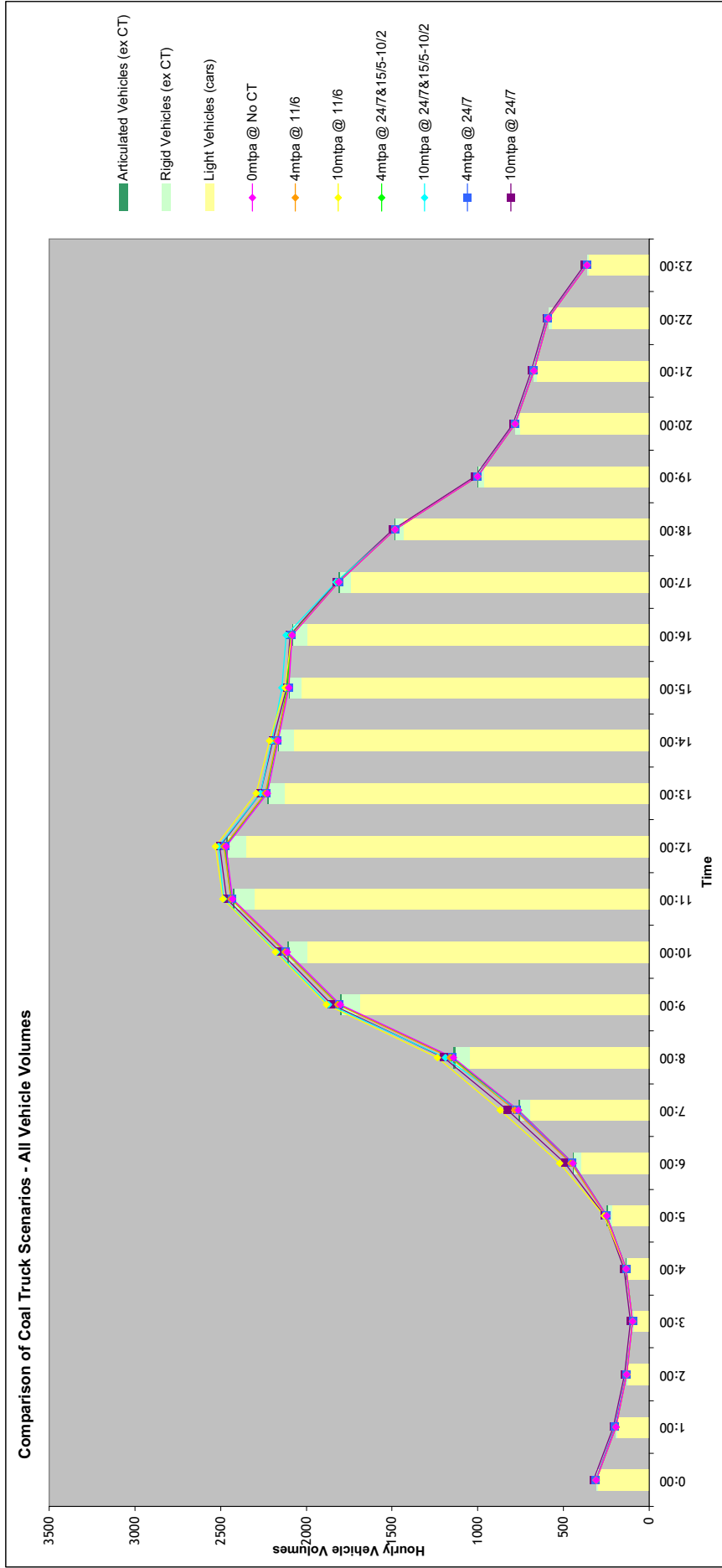


Direction	2018 Average Weekend 8. Northern Distributor: Wollongong Between Railway Street and Bellambi Lane																																		
	Base Volumes						Total Heavy Vehicles Including Coal Trucks						Total Heavy Vehicles Including Coal Trucks						% Heavy Vehicles Including Coal Trucks						Coal Trucks Only										
	Light Vehicles (cars)	Rigid Vehicles (ex CT)	Articulated Vehicles (ex CT)	A	B	A	A	B	D	E	G	H	J	A	A	B	D	E	G	H	J	A	A	B	D	E	G	H	J						
Time	126	3	0	129	129	129	129	129	129	129	131	136	3	3	3	3	3	3	3	3	3	5	10	2.3%	2.3%	2.3%	3.8%	7.4%	7						
	87	4	0	91	91	91	91	91	91	91	93	98	4	4	4	4	4	4	4	4	4	6	11	4.4%	4.4%	4.4%	6.5%	11.2%	7						
	52	3	0	55	55	55	55	55	55	55	56	62	3	3	3	3	3	3	3	3	3	4	10	5.5%	5.5%	5.5%	7.1%	16.1%	7						
	37	1	0	38	38	38	38	38	38	38	39	45	1	1	1	1	1	1	1	1	1	2	8	2.6%	2.6%	2.6%	5.1%	17.8%	7						
	52	1	1	54	54	54	54	54	54	54	55	61	2	2	2	2	2	2	2	2	2	3	9	3.7%	3.7%	3.7%	5.5%	14.8%	7						
	117	7	3	127	129	138	127	127	127	128	133	10	12	11	10	10	10	10	10	10	11	16	7.9%	9.3%	15.2%	7.9%	8.6%	12.0%	0	2	11	0	0	1	6
	223	10	0	233	242	281	233	233	233	239	262	10	19	58	10	10	16	39	4.3%	7.9%	20.6%	4.3%	4.3%	4.3%	6.7%	14.9%	0	9	48	0	0	6	29	6	
	379	18	4	401	411	455	401	401	401	407	433	22	32	76	22	22	28	54	5.5%	7.8%	16.7%	5.5%	5.5%	5.5%	6.9%	12.5%	0	10	54	0	0	6	32	6	
	661	22	3	686	695	732	692	718	691	714	25	34	71	31	57	30	53	3.6%	4.9%	9.7%	4.5%	7.9%	4.3%	7.4%	4.3%	6.2%	0	9	46	6	32	5	28	28	
	1057	28	6	1091	1099	1131	1098	1126	1096	1115	34	42	74	41	69	39	58	3.1%	3.8%	6.5%	3.7%	6.1%	3.6%	5.2%	3.6%	5.2%	0	8	40	7	35	5	24	24	
	1169	33	3	1205	1211	1236	1211	1235	1208	1223	36	42	67	42	66	39	54	3.0%	3.5%	5.4%	3.5%	5.3%	3.2%	4.4%	0	6	31	6	30	3	30	3	18	18	
	1308	31	3	1342	1347	1370	1347	1368	1345	1359	34	39	62	39	60	37	51	2.5%	2.9%	4.5%	2.9%	4.4%	2.8%	3.8%	0	5	28	5	26	3	17	3	17	17	
	1234	25	4	1263	1269	1294	1267	1283	1266	1281	29	35	60	33	49	32	47	2.3%	2.8%	4.6%	2.6%	3.8%	2.5%	3.7%	0	6	31	4	20	3	18	4	20	20	
	1034	21	4	1059	1065	1092	1063	1078	1063	1079	25	31	58	29	44	29	45	2.4%	2.9%	5.3%	2.7%	4.1%	2.7%	4.2%	0	6	33	4	19	4	20	4	20	20	
	983	15	0	998	1003	1022	1002	1018	1001	1013	15	20	39	19	35	18	30	1.5%	2.0%	3.8%	1.9%	3.4%	1.8%	3.0%	0	5	24	4	20	3	15	4	15	15	
	901	13	1	915	916	921	919	936	916	919	14	15	20	18	35	15	18	1.5%	1.6%	2.2%	2.0%	3.7%	1.6%	2.0%	0	1	6	4	21	1	4	4	4	4	
	889	16	1	906	906	906	909	922	907	913	17	17	17	17	20	33	18	1.9%	1.9%	1.9%	2.2%	3.6%	2.0%	2.6%	0	0	0	3	16	1	7	7	7	7	
	830	9	1	840	840	840	841	844	841	847	10	10	10	10	11	14	11	1.7%	1.7%	1.7%	1.3%	1.7%	1.3%	2.0%	0	0	0	1	4	1	7	7	7	7	7
	734	7	0	741	741	741	741	741	741	742	748	7	7	7	7	7	8	14	0.9%	0.9%	0.9%	0.9%	0.9%	1.1%	1.9%	0	0	0	0	1	4	1	7	7	7
	484	3	1	488	488	488	488	488	488	489	495	4	4	4	4	4	5	11	0.8%	0.8%	0.8%	0.8%	0.8%	1.0%	2.2%	0	0	0	0	0	1	7	7	7	7
	364	4	0	368	368	368	368	368	369	375	4	4	4	4	4	4	5	11	1.1%	1.1%	1.1%	1.1%	1.1%	1.4%	2.9%	0	0	0	0	0	1	7	7	7	7
	271	4	1	276	276	276	276	276	277	283	5	5	5	5	5	6	12	1.8%	1.8%	1.8%	1.8%	1.8%	2.2%	4.2%	0	0	0	0	0	1	7	7	7	7	7
	255	4	0	259	259	259	259	259	261	266	4	4	4	4	4	4	6	11	1.5%	1.5%	1.5%	1.5%	1.5%	2.3%	4.1%	0	0	0	0	0	2	7	7	7	7
	139	3	0	142	142	142	142	142	142	144	149	3	3	3	3	3	5	10	2.1%	2.1%	2.1%	2.1%	2.1%	3.5%	6.7%	0	0	0	0	0	2	7	7	7	7
Daily	13386	285	36	13707	13774	14059	13751	13930	13764	14009	321	388	673	365	544	378	623	2.3%	2.8%	4.8%	2.7%	3.9%	2.7%	4.4%	0	67	352	44	223	57	302	302	302		
% CT of HV																		0.0%	17.3%	52.3%	12.1%	41.0%	15.1%	48.5%											
Day (6am-10pm)	12298	249	32	12579	12635	12872	12623	12802	12618	12797	281	337	574	325	504	320	499	2.2%	2.7%	4.5%	2.6%	3.9%	2.5%	3.9%	0	56	293	44	223	39	218	218	218		
% CT of HV																		0.0%	16.6%	51.0%	13.5%	44.2%	12.2%	43.7%											
Night (10pm-7am)	1088	36	4	1128	1139	1187	1128	1128	1146	1212	40	51	99	40	40	58	124	3.5%	4.5%	8.3%	3.5%	3.5%	5.1%	10.2%	0	11	59	0	0	18	84	84	84		
% CT of HV																		0.0%	21.6%	59.6%	0.0%	0.0%	31.0%	67.7%											

		2018 Average Weekend 8. Northern Distributor: Wollongong Between Railway Street and Bellambi Lane																																																		
Direction	Time	Base Volumes					Total Vehicles Including Coal Trucks					Total Heavy Vehicles Including Coal Trucks					% Heavy Vehicles Including Coal Trucks					Coal Trucks Only																														
		Light Vehicles (cars)		Rigid Vehicles (ex CT)		Articulated Vehicles (ex CT)		A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	J																		
		301	8	124	7	0	131	131	131	131	145	7	7	7	7	9	13	23	2.9%	2.9%	2.9%	2.9%	4.1%	4.1%	4.1%	4.1%	7.1%	4mtpa @ 11/6	4mtpa @ 11/6	4mtpa @ 11/6	4mtpa @ 11/6	4mtpa @ 24/7&15-10/2	4mtpa @ 24/7&15-10/2	4mtpa @ 24/7&15-10/2	4mtpa @ 24/7	4mtpa @ 24/7	4mtpa @ 24/7															
Two-Way	0:00	301	8	124	7	0	131	131	131	131	145	7	7	7	9	13	23	2.9%	2.9%	2.9%	2.9%	4.1%	4.1%	4.1%	4.1%	7.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	1:00	187	0	124	7	0	131	131	131	131	145	7	7	7	8	12	22	4.1%	4.1%	4.1%	4.1%	6.0%	6.0%	6.0%	6.0%	10.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	2:00	124	0	124	7	0	131	131	131	131	145	7	7	7	7	7	9	21	5.3%	5.3%	5.3%	5.3%	6.8%	6.8%	6.8%	6.8%	14.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	3:00	92	4	0	0	0	96	96	96	96	110	4	4	4	4	4	6	18	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	16.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	4:00	121	11	1	1	1	133	133	133	133	147	12	12	12	12	12	14	26	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	17.7%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	5:00	219	22	6	2	6	247	250	264	247	249	259	28	31	45	28	30	40	11.3%	12.4%	17.0%	11.3%	11.3%	12.0%	15.4%	0	3	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	6:00	401	40	3	4	44	458	521	444	444	454	490	43	57	120	43	43	89	9.7%	12.4%	23.0%	9.7%	9.7%	11.7%	18.2%	0	14	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	7:00	694	63	7	7	764	784	869	764	764	776	827	70	90	175	70	70	82	13.3%	11.5%	20.1%	9.2%	9.2%	10.6%	16.1%	0	20	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	8:00	1052	76	13	11	1141	1159	1237	1150	1189	1151	1199	89	107	185	98	137	99	147	7.8%	9.2%	15.0%	8.5%	11.5%	8.6%	12.3%	0	18	96	9	48	10	58	8	39	7	33	0	0	0	0	0	0	0	0	0	0	0	0	0		
	9:00	1665	106	10	18	1801	1818	1884	1815	1870	1811	1851	116	133	199	130	185	126	166	6.4%	7.3%	10.6%	7.2%	9.9%	7.0%	9.0%	0	17	83	14	69	10	50	13	35	2	13	0	0	0	0	0	0	0	0	0	0	0	0	0		
	10:00	1996	109	7	21	2125	2179	2179	2174	2174	2120	2151	116	129	183	128	178	124	155	5.5%	6.1%	8.4%	6.0%	8.2%	5.8%	7.2%	0	13	67	12	62	8	39	6	34	6	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	11:00	2302	119	9	24	2430	2440	2487	2440	2484	2436	2464	128	138	185	138	182	134	162	5.3%	5.7%	7.4%	5.7%	7.3%	5.5%	6.6%	0	10	57	10	54	6	34	9	43	6	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	12:00	2351	110	8	24	2469	2481	2530	2478	2512	2475	2505	118	130	179	127	161	124	154	4.8%	5.2%	7.1%	5.1%	6.4%	5.0%	6.1%	0	12	61	9	43	6	36	8	39	7	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13:00	2125	96	7	22	2228	2240	2292	2236	2267	2235	2267	103	115	167	111	142	110	142	4.6%	5.1%	7.3%	5.0%	6.3%	4.9%	6.3%	0	12	64	8	39	7	39	8	39	7	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14:00	2074	88	1	21	2163	2173	2216	2171	2202	2170	2196	89	99	142	97	128	96	122	4.1%	4.6%	6.4%	4.5%	5.8%	4.4%	5.6%	0	10	53	8	39	7	39	8	39	7	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15:00	2028	70	4	21	2102	2106	2123	2110	2143	2104	2115	74	78	95	82	115	76	87	3.5%	3.7%	4.5%	3.9%	5.4%	3.6%	4.1%	0	4	21	8	41	2	13	7	35	2	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16:00	1992	89	2	20	2083	2084	2086	2090	2118	2085	2096	91	92	94	98	126	93	104	4.4%	4.4%	4.5%	4.7%	5.9%	4.5%	5.0%	0	1	3	7	35	2	13	7	35	2	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17:00	1741	64	5	18	1810	1810	1810	1813	1826	1812	1824	69	69	69	72	85	71	83	3.8%	3.8%	3.8%	3.8%	4.0%	3.9%	4.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	18:00	1432	49	1	14	1482	1482	1482	1482	1482	1484	1496	50	50	50	50	50	52	64	3.4%	3.4%	3.4%	3.4%	3.4%	3.5%	4.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	19:00	968	31	2	10	1001	1001	1001	1001	1001	1003	1015	33	33	33	33	33	35	47	3.3%	3.3%	3.3%	3.3%	3.3%	3.5%	4.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	20:00	795	26	1	7	782	782	782	782	782	784	796	27	27	27	27	27	27	29	41	3.5%	3.5%	3.5%	3.5%	3.7%	5.2%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21:00	656	16	2	6	674	674	674	674	674	676	688	18	18	18	18	18	20	32	2.7%	2.7%	2.7%	2.7%	2.7%	3.0%	4.7%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	22:00	568	20	0	5	588	588	588	588	588	592	602	20	20	20	20	20	24	34	3.4%	3.4%	3.4%	3.4%	3.4%	4.1%	5.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	23:00	353	10	0	3	363	363	363	363	363	367	377	10	10	10	10	10	14	24	2.8%	2.8%	2.8%	2.8%	2.8%	3.8%	6.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Daily	26217	1243	89	27549	27683	28253	27637	27995	27663	28153	1332	1466	2036	1420	1778	1446	1936	4.8%	5.3%	7.2%	5.1%	6.4%	5.2%	6.9%	0	134	704	88	446	114	604	88	446	114	604	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
% CT of HV																			0.0%	9.1%	34.6%	6.2%	25.1%	7.9%	31.2%																											
Day (6am-10pm)		23851	1112	79	25042	25159	25652	25130	25488	25122	25490	1191	1308	1801	1279	1637	1271	1639	4.8%	5.2%	7.0%	5.1%	6.4%	5.1%	6.4%	0	117	610	88	446	80	448	88	446	80	448	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% CT of HV																			0.0%	8.9%	33.9%	6.9%	27.3%	6.3%	27.3%																											
Night (10pm-7am)		2366	131	10	2507	2524	2601	2507	2507	2541	2663	141	158	235	141	141	175	297	5.6%	6.3%	9.0%	5.6%	5.6%	6.9%	11.2%	0	17	94	0	0	34	156	0	0	34	156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% CT of HV																			0.0%	10.8%	40.0%	0.0%	0.0%	19.4%	52.5%																											

2018 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



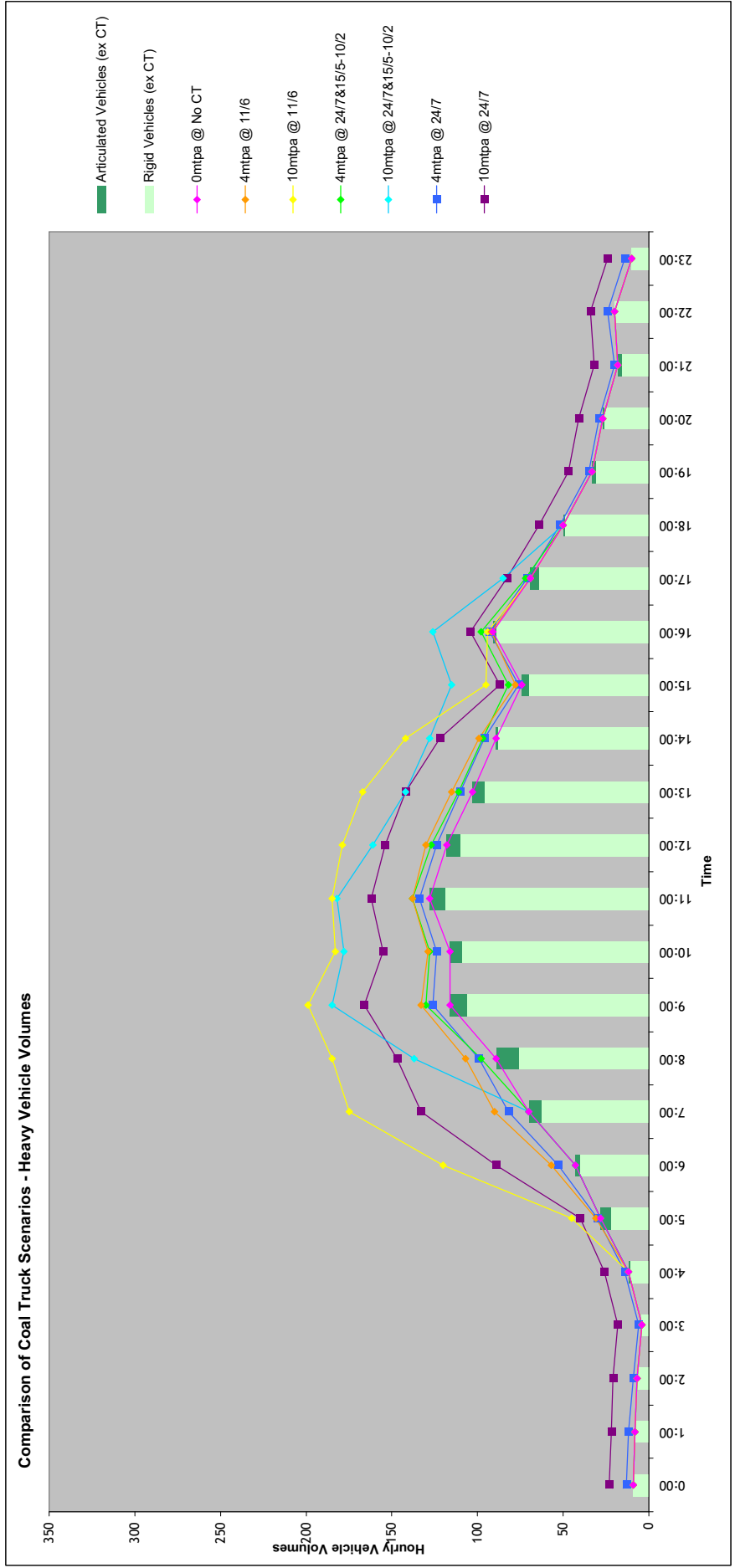
Notes:

- Rigid = Rigid Trucks (excluding CT)
- Light = Light vehicles (cars)
- Artic = Articulated Trucks (excluding CT)
- CT = Coal Trucks between Westcliff / GNRE & PKCT
- 11/6 = 11 hours a day/6 days a week
- 24/7 = 24 hours a day/7 days a week
- 15/5 = 15 hours a day/5 days a week (mon-Fri)
- 10/2 = 10 hours a day/2 days a week (sat/Sun)
- Bar graphs represent baseline projected traffic volumes excluding coal trucks (CT)
- Line graphs represent total vehicle volumes including coal trucks (CT) (i.e. light-rigid-artic-CT)
- 0mtpa @ No CT - baseline total vehicles with no PKCT coal trucks
- 4mtpa @ 11/6 - Base case total vehicles with PKCT @ current approvals & outputs

mtpa = Million tonnes per annum

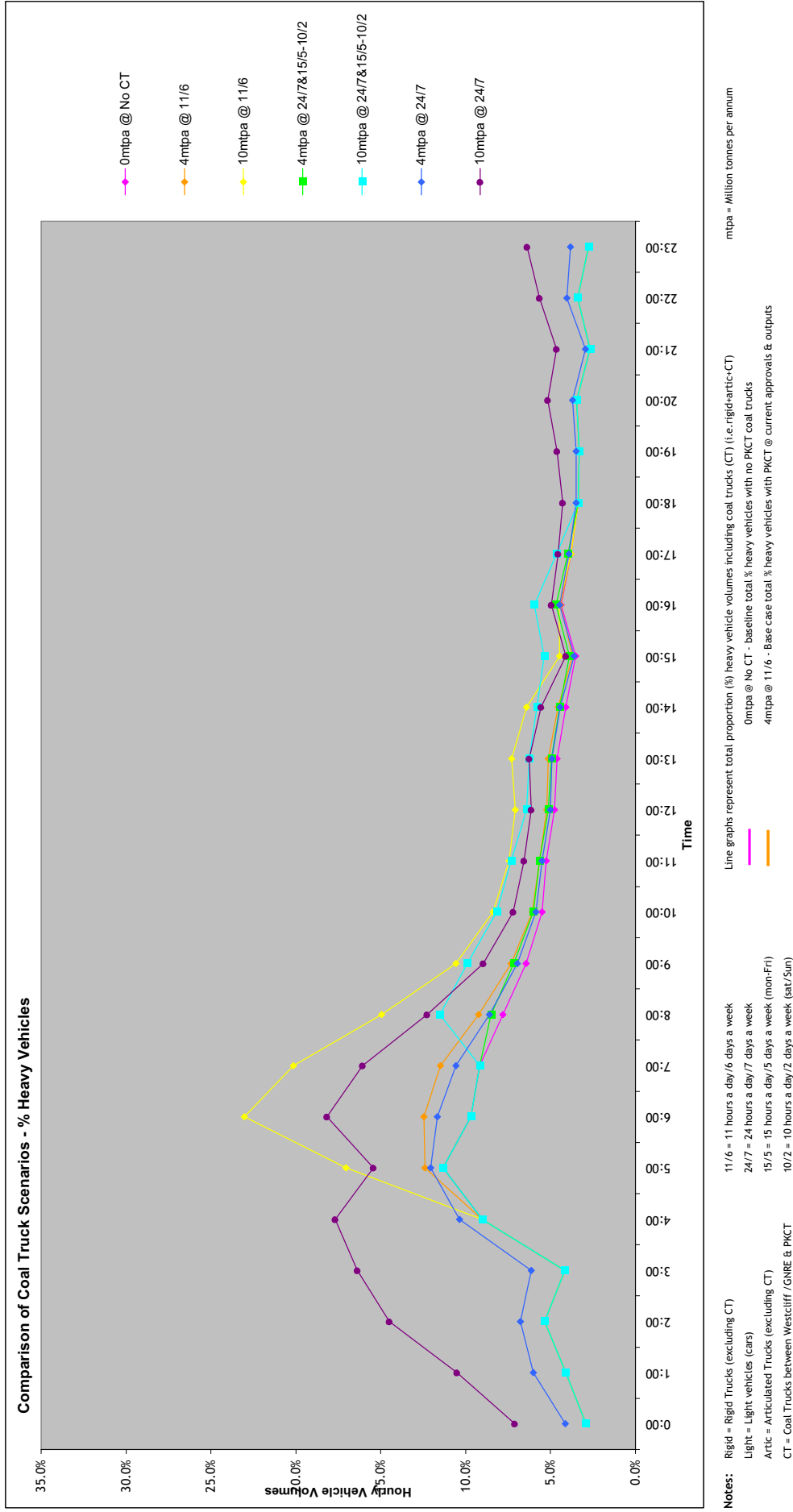
2018 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



2018 Average Weekend

8. Northern Distributor, Wollongong Between Railway Street and Bellambi Lane



Appendix AA

Future Scenarios

Mid-Block LoS

This page intentionally left blank

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Street	2008		2009		2013			2018																															
	to PKCT		to PKCT		to PKCT			to PKCT																															
	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6																													
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
Appin Rd	between	Appin Mine Access	and	West Cliff Mine Access	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B							
Appin Rd	between	West Cliff Mine Access	and	Dharawal Conserv Ent	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B						
Appin Rd	between	Dharawal Conserv Ent	and	No. 10A Fire Road	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B					
Appin Rd	between	No. 10A Fire Road	and	Mount Ousley Rd	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B				
Mount Ousley Rd	between	Appin Rd	and	Picton Rd	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B			
Southern Fwy	between	Mount Ousley Rd	and	Northern Distributor	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
Southern Fwy	between	Northern Distributor	and	Princes Hwy	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
Southern Fwy	between	Princes Hwy	and	Masters Rd	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
Bellambi Ln	between	Princes Hwy	and	Northern Distributor	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Northern Distributor	between	Bellambi Ln	and	Railway St	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Northern Distributor	between	Railway St	and	Southern Fwy	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Masters Rd	between	Southern Fwy	and	Springhill Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Springhill Rd	between	Masters Rd	and	Port Kembla Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Springhill Rd	between	Masters Rd	and	Entry Road	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Street	2008		2009				2013				2018															
	to PKCT		from PKCT		to PKCT		from PKCT		to PKCT		from PKCT		to PKCT													
	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6	4mtpa	11/6												
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Appin Rd	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Appin Rd	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Appin Rd	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Appin Rd	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Mount Ousley Rd	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Mount Ousley Rd	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Southern Fwy	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Southern Fwy	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Southern Fwy	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Bellambi Ln	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Northern Distributor	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Northern Distributor	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Masters Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Springhill Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Springhill Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

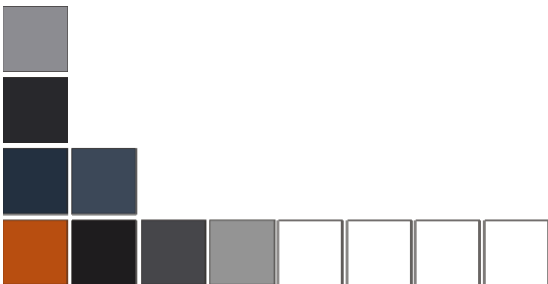
Appendix BB

Future Scenarios

Traffic Volumes

Mid-Block LoS

and %HV



This page intentionally left blank

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location	Scenario No. 01						Scenario No. 02						Scenario No. 03						Scenario No. 04																									
	2008 / 0mtpa @ No CT			2008 / 4mtpa @ Current			2008 / 4mtpa @ 11/6			2008 / 4mtpa @ 15/5-10/2			2008 / 4mtpa @ 11/6			2008 / 4mtpa @ 15/5-10/2			2008 / 4mtpa @ 11/6			2008 / 4mtpa @ 15/5-10/2																						
Street	between	and	Veh/hr	% HV	From PKCT	Both	dir. split	LoS	Veh/hr	% HV	From PKCT	Both	dir. split	LoS	Veh/hr	% HV	From PKCT	Both	dir. split	LoS	Veh/hr	% HV	From PKCT	Both	dir. split	LoS																		
Appin Rd	Appin Mine	West Cliff Mine	246	10%	573	10%	70	B	819	14%	597	14%	69	C	860	16%	263	16%	597	14%	860	14%	69	B	846	12%	587	15%	259	15%	587	15%	69	B	C	846	12%	587	15%	69	B	C		
Appin Rd	West Cliff Mine	Dharawal CE	246	10%	573	10%	70	B	819	14%	597	14%	69	C	860	16%	263	16%	597	14%	860	14%	69	B	846	12%	587	15%	259	15%	587	15%	69	B	C	846	12%	587	15%	69	B	C		
Appin Rd	Dharawal CE	No. 10A Fire Rd	246	10%	573	10%	70	B	819	14%	597	14%	69	D	860	16%	263	16%	597	14%	860	14%	69	C	846	12%	587	15%	259	15%	587	15%	69	C	D	846	12%	587	15%	69	C	D		
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	246	10%	573	10%	70	B	819	14%	597	14%	69	D	860	16%	263	16%	597	14%	860	14%	69	C	846	12%	587	15%	259	15%	587	15%	69	C	D	846	12%	587	15%	69	C	D		
Mount Ousley Rd	Appin Rd	Picton Rd	2,181	9%	1,463	14%	60	D	3,643	15%	1,476	15%	60	D	3,674	15%	2,199	10%	1,476	15%	3,674	15%	60	D	3,667	14%	1,473	14%	2,195	10%	1,473	14%	3,667	14%	60	D	C	3,667	14%	60	D	C		
Mount Ousley Rd	Picton Rd	Southern Fwy	2,181	9%	1,463	14%	60	D	3,643	15%	1,476	15%	60	D	3,674	15%	2,199	10%	1,476	15%	3,674	15%	60	D	3,667	14%	1,473	14%	2,195	10%	1,473	14%	3,667	14%	60	D	C	3,667	14%	60	D	C		
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,896	10%	4,003	8%	58	F	6,898	9%	4,030	9%	58	F	6,953	9%	2,924	11%	4,030	9%	6,953	9%	58	C	6,935	8%	4,021	11%	4,021	11%	6,935	8%	58	C	D	6,935	8%	58	C	D				
Southern Fwy	Northern Dist.	Princes Hwy	2,896	10%	4,003	8%	58	F	6,898	9%	4,030	9%	58	F	6,953	9%	2,924	11%	4,030	9%	6,953	9%	58	C	6,935	8%	4,021	11%	4,021	11%	6,935	8%	58	C	D	6,935	8%	58	C	D				
Southern Fwy	Princes Hwy	Masters Rd	2,794	10%	4,127	7%	60	D	6,920	11%	4,154	8%	60	F	6,975	8%	2,819	11%	4,151	8%	6,969	8%	60	D	6,957	7%	4,145	10%	4,145	10%	6,957	7%	60	D	F	6,957	7%	60	D	F				
Bellambi Ln	Princes Hwy	Northern Dist.	747	5%	447	10%	63	A	1,194	6%	457	12%	62	A	1,214	6%	754	6%	454	11%	1,208	6%	62	A	1,204	6%	452	11%	4,021	11%	4,021	11%	1,204	6%	62	A	1,204	6%	62	A	1,204	6%	62	A
Northern Dist.	Bellambi Ln	Railway St	1,328	4%	731	12%	64	B	2,059	5%	741	13%	64	B	2,079	5%	1,335	5%	738	13%	2,073	5%	64	B	2,069	4%	736	13%	1,333	5%	736	13%	2,069	4%	64	B	2,069	4%	64	B	2,069	4%	64	B
Northern Dist.	Railway St	Southern Fwy	1,328	4%	731	12%	64	B	2,059	5%	741	13%	64	B	2,079	5%	1,335	5%	738	13%	2,073	5%	64	B	2,069	4%	736	13%	1,333	5%	736	13%	2,069	4%	64	B	2,069	4%	64	B	2,069	4%	64	B
Masters Rd	Southern Fwy	Springhill Rd	1,129	10%	874	13%	56	A	1,577	12%	901	16%	56	A	2,058	12%	1,154	12%	898	15%	2,052	12%	56	A	2,040	11%	892	15%	1,148	11%	892	15%	2,040	11%	56	A	2,040	11%	56	A	2,040	11%	56	A
Springhill Rd	Masters Rd	Port Kembla Rd	452	7%	1,071	3%	70	A	1,522	7%	1,098	6%	70	A	1,577	7%	477	12%	1,095	5%	1,571	7%	70	A	1,559	5%	1,089	5%	1,559	5%	70	A	1,559	5%	70	A	1,559	5%	70	A	1,559	5%	70	A
Springhill Rd	Masters Rd	Entry Road	452	7%	1,071	3%	70	A	1,522	7%	1,098	6%	70	A	1,577	7%	477	12%	1,095	5%	1,571	7%	70	A	1,559	5%	1,089	5%	1,559	5%	70	A	1,559	5%	70	A	1,559	5%	70	A	1,559	5%	70	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location Street	between	and	Scenario No. 05 2008 / 4mtpa @ 24/7						Scenario No. 06 2009 / 0mtpa @ No. CT						Scenario No. 07 2009 / 4mtpa @ Current												
			To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT					
Appin Rd	Appin Mine	West Cliff Mine	259	0	587	0	846	69	B	C																	
Appin Rd	West Cliff Mine	Dharawal CE	259	0	587	0	846	69	B	C																	
Appin Rd	Dharawal CE	No. 10A Fire Rd	259	0	587	0	846	69	C	D																	
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	259	0	587	0	846	69	C	D																	
Mount Ousley Rd	Appin Rd	Picton Rd	2,195	0	1,473	0	3,667	60	D	C																	
Mount Ousley Rd	Picton Rd	Southern Fwy	2,195	0	1,473	0	3,667	60	D	C																	
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,914	0	4,020	0	6,933	58	F	F																	
Southern Fwy	Northern Dist.	Princes Hwy	2,914	0	4,020	0	6,933	58	C	D																	
Southern Fwy	Princes Hwy	Masters Rd	2,812	0	4,144	0	6,955	60	D	F																	
Bellambi Ln	Princes Hwy	Northern Dist.	751	6%	451	11%	1,202	62	A	A	288	5%	209	10%	497	58	A	A	298	8%	219	14%	517	58	A	A	
Northern Dist.	Bellambi Ln	Railway St	1,332	5%	735	12%	2,067	64	B	B	1,393	4%	768	12%	2,161	64	B	B	1,403	5%	778	13%	2,181	64	B	B	
Northern Dist.	Railway St	Southern Fwy	1,332	5%	735	12%	2,067	64	B	B	1,393	4%	768	12%	2,161	64	B	B	1,403	5%	778	13%	2,181	64	B	B	
Masters Rd	Southern Fwy	Springhill Rd	1,147	0	891	0	2,038	56	A	A																	
Springhill Rd	Masters Rd	Port Kembla Rd	470	0	1,088	0	1,557	70	A	A																	
Springhill Rd	Masters Rd	Entry Road	470	0	1,088	0	1,557	70	A	A																	

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location Street	between	and	Scenario No. 08 2009 / 4mtpa @ 11/6						Scenario No. 09 2009 / 5mtpa @ 11/6						Scenario No. 10 2009 / 5mtpa @ 2,4/7&15-10/2												
			To PKCT	Veh/hr	% HV	Veh/hr	% HV	dir. split	to PKCT	from PKCT	To PKCT	Veh/hr	% HV	Veh/hr	% HV	dir. split	to PKCT	from PKCT	To PKCT	Veh/hr	% HV	Veh/hr	% HV	dir. split	to PKCT	from PKCT	
Appin Rd	Appin Mine	West Cliff Mine																									
Appin Rd	West Cliff Mine	Dharawal CE																									
Appin Rd	Dharawal CE	No. 10A Fire Rd																									
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd																									
Mount Ousley Rd	Appin Rd	Picton Rd																									
Mount Ousley Rd	Picton Rd	Southern Fwy																									
Southern Fwy	Mount Ousley Rd	Northern Dist.																									
Southern Fwy	Northern Dist.	Princes Hwy																									
Southern Fwy	Princes Hwy	Masters Rd																									
Bellambi Ln	Princes Hwy	Northern Dist.	295	7%	216	13%	511	58	A	A	296	8%	217	13%	513	58	A	A	294	7%	215	13%	509	58	A	A	
Northern Dist.	Bellambi Ln	Railway St	1,400	5%	775	13%	2,175	64	B	B	1,401	5%	776	13%	2,177	64	B	B	1,399	5%	774	13%	2,173	64	B	B	
Northern Dist.	Railway St	Southern Fwy	1,400	5%	775	13%	2,175	64	B	B	1,401	5%	776	13%	2,177	64	B	B	1,399	5%	774	13%	2,173	64	B	B	
Masters Rd	Southern Fwy	Springhill Rd																									
Springhill Rd	Masters Rd	Port Kembla Rd																									
Springhill Rd	Masters Rd	Entry Road																									

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location	Scenario No. 14 2013 / 10mtpa @ 11/6						Scenario No. 15 2013 / 4mtpa @ 24/7/8 15/15-10/2						Scenario No. 16 2013 / 10mtpa @ 24/7/8 15/15-10/2																				
	between			and			between			and			between			and																	
	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT			
Appin Rd	298	18%	671	15%	969	69	69	B	C	285	14%	650	12%	935	70	B	C	292	16%	657	13%	949	69	B	C	292	16%	657	13%	949	69	B	C
Appin Rd	298	18%	671	15%	969	69	69	B	C	285	14%	650	12%	935	70	B	C	292	16%	657	13%	949	69	B	C	292	16%	657	13%	949	69	B	C
Appin Rd	298	18%	671	15%	969	69	69	C	D	285	14%	650	12%	935	70	C	D	292	16%	657	13%	949	69	C	D	292	16%	657	13%	949	69	C	D
Appin Rd	298	18%	671	15%	969	69	69	C	D	285	14%	650	12%	935	70	C	D	292	16%	657	13%	949	69	C	D	292	16%	657	13%	949	69	C	D
Mount Ousley Rd	2,433	10%	1,637	15%	4,070	60	60	E	D	2,420	10%	1,627	15%	4,047	60	E	D	2,427	10%	1,632	15%	4,059	60	E	D	2,427	10%	1,632	15%	4,059	60	E	D
Mount Ousley Rd	2,433	10%	1,637	15%	4,070	60	60	E	D	2,420	10%	1,627	15%	4,047	60	E	D	2,427	10%	1,632	15%	4,059	60	E	D	2,427	10%	1,632	15%	4,059	60	E	D
Southern Fwy	3,259	12%	4,477	9%	7,736	58	58	F	F	3,215	11%	4,434	9%	7,649	58	F	F	3,245	12%	4,466	9%	7,711	58	F	F	3,245	12%	4,466	9%	7,711	58	F	F
Southern Fwy	3,259	12%	4,477	9%	7,736	58	58	F	F	3,215	11%	4,434	9%	7,649	58	F	F	3,245	12%	4,466	9%	7,711	58	F	F	3,245	12%	4,466	9%	7,711	58	F	F
Southern Fwy	3,274	12%	4,799	8%	8,073	59	59	E	F	3,230	11%	4,756	8%	7,986	60	E	F	3,260	12%	4,788	8%	8,048	59	E	F	3,260	12%	4,788	8%	8,048	59	E	F
Southern Fwy	3,274	12%	4,799	8%	8,073	59	59	E	F	3,230	11%	4,756	8%	7,986	60	E	F	3,260	12%	4,788	8%	8,048	59	E	F	3,260	12%	4,788	8%	8,048	59	E	F
Bellambi Ln	336	15%	253	23%	589	57	57	A	A	305	7%	223	12%	528	58	A	A	328	13%	248	21%	576	57	A	A	328	13%	248	21%	576	57	A	A
Northern Dist.	1,694	6%	949	15%	2,643	64	64	C	B	1,663	4%	919	12%	2,582	64	C	B	1,686	6%	944	15%	2,630	64	C	B	1,686	6%	944	15%	2,630	64	C	B
Northern Dist.	1,694	6%	949	15%	2,643	64	64	C	B	1,663	4%	919	12%	2,582	64	C	B	1,686	6%	944	15%	2,630	64	C	B	1,686	6%	944	15%	2,630	64	C	B
Masters Rd	1,195	15%	938	19%	2,132	56	56	A	A	1,151	12%	895	15%	2,045	56	A	A	1,180	14%	927	18%	2,106	56	A	A	1,180	14%	927	18%	2,106	56	A	A
Springhill Rd	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	A	A	501	17%	1,120	8%	1,620	69	A	A	501	17%	1,120	8%	1,620	69	A	A
Springhill Rd	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	A	A	501	17%	1,120	8%	1,620	69	A	A	501	17%	1,120	8%	1,620	69	A	A
Springhill Rd	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	A	A	501	17%	1,120	8%	1,620	69	A	A	501	17%	1,120	8%	1,620	69	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location Street	Scenario No. 17 2013 / 4mtpa @ 24/7										Scenario No. 18 2013 / 10mtpa @ 24/7										Scenario No. 19 2018 / 0mtpa @ No CT									
	between		and		between		and		between		and		between		and		between		and		between		and							
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV						
Appin Rd	285	14%	650	12%	935	70	C	292	16%	657	13%	949	69	B	C	299	11%	697	10%	996	70	B	C							
Appin Rd	285	14%	650	12%	935	70	C	292	16%	657	13%	949	69	B	C	299	11%	697	10%	996	70	B	C							
Appin Rd	285	14%	650	12%	935	70	C	292	16%	657	13%	949	69	B	C	299	11%	697	10%	996	70	C	D							
Appin Rd	285	14%	650	12%	935	70	C	292	16%	657	13%	949	69	B	C	299	11%	697	10%	996	70	C	D							
Mount Ousley Rd	2,420	10%	1,627	15%	4,047	60	E	2,427	10%	1,632	15%	4,059	60	E	D	2,632	10%	1,770	15%	4,401	60	E	D							
Mount Ousley Rd	2,420	10%	1,627	15%	4,047	60	E	2,427	10%	1,632	15%	4,059	60	E	D	2,632	10%	1,770	15%	4,401	60	E	D							
Southern Fwy	3,214	11%	4,433	9%	7,647	58	F	3,237	12%	4,455	9%	7,692	58	F	F	3,496	11%	4,826	8%	8,321	58	F	F							
Southern Fwy	3,214	11%	4,433	9%	7,647	58	F	3,237	12%	4,455	9%	7,692	58	F	F	3,496	11%	4,826	8%	8,321	58	F	F							
Southern Fwy	3,229	11%	4,755	8%	7,984	60	E	3,252	11%	4,777	8%	8,029	59	E	F	3,628	10%	5,348	7%	8,975	60	F	F							
Bellambi Ln	304	7%	222	12%	526	58	A	320	11%	237	17%	557	57	A	A	314	5%	228	10%	542	58	A	A							
Northern Dist.	1,662	4%	918	12%	2,580	64	C	1,678	5%	933	14%	2,611	64	C	B	1,990	4%	1,095	12%	3,085	65	C	B							
Northern Dist.	1,662	4%	918	12%	2,580	64	C	1,678	5%	933	14%	2,611	64	C	B	1,990	4%	1,095	12%	3,085	65	C	B							
Masters Rd	1,150	12%	894	15%	2,043	56	A	1,172	13%	916	17%	2,087	56	A	A	1,133	10%	878	13%	2,012	56	A	A							
Springhill Rd	470	11%	1,088	5%	1,557	70	A	491	15%	1,110	7%	1,600	69	A	A	452	7%	1,071	3%	1,522	70	A	A							
Springhill Rd	470	11%	1,088	5%	1,557	70	A	491	15%	1,110	7%	1,600	69	A	A	452	7%	1,071	3%	1,522	70	A	A							

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location	Scenario No. 20 2018 / 4mtpa @ 11/6										Scenario No. 21 2018 / 10mtpa @ 11/6										Scenario No. 22 2018 / 4mtpa @ 24/7/8/15/5-10/2									
	between					and					between					and					between					and				
	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT
Appin Rd	316	16%	721	13%	1,037	70	70	B	D	325	18%	732	15%	1,057	69	69	B	D	312	14%	711	12%	1,023	70	70	B	C			
Appin Rd	316	16%	721	13%	1,037	70	70	B	D	325	18%	732	15%	1,057	69	69	B	D	312	14%	711	12%	1,023	70	70	B	C			
Appin Rd	316	16%	721	13%	1,037	70	70	C	D	325	18%	732	15%	1,057	69	69	C	D	312	14%	711	12%	1,023	70	70	C	D			
Appin Rd	316	16%	721	13%	1,037	70	70	C	D	325	18%	732	15%	1,057	69	69	C	E	312	14%	711	12%	1,023	70	70	C	D			
Mount Ousley Rd	2,650	10%	1,783	15%	4,432	60	60	E	D	2,659	11%	1,790	15%	4,448	60	60	E	D	2,646	10%	1,780	15%	4,425	60	60	E	D			
Mount Ousley Rd	2,650	10%	1,783	15%	4,432	60	60	E	D	2,659	11%	1,790	15%	4,448	60	60	E	D	2,646	10%	1,780	15%	4,425	60	60	E	D			
Southern Fwy	3,521	11%	4,850	9%	8,370	58	58	F	F	3,559	12%	4,887	9%	8,445	58	58	F	F	3,515	11%	4,844	9%	8,358	58	58	F	F			
Southern Fwy	3,521	11%	4,850	9%	8,370	58	58	F	F	3,559	12%	4,887	9%	8,445	58	58	F	F	3,515	11%	4,844	9%	8,358	58	58	F	F			
Southern Fwy	3,521	11%	4,850	9%	8,370	58	58	F	F	3,559	12%	4,887	9%	8,445	58	58	F	F	3,515	11%	4,844	9%	8,358	58	58	F	F			
Southern Fwy	3,521	11%	4,850	9%	8,370	58	58	F	F	3,559	12%	4,887	9%	8,445	58	58	F	F	3,515	11%	4,844	9%	8,358	58	58	F	F			
Bellambi Ln	321	7%	235	13%	556	58	58	A	A	350	15%	263	22%	613	57	57	A	A	319	7%	233	12%	552	58	58	A	A			
Northern Dist.	1,997	5%	1,102	12%	3,099	64	64	C	B	2,026	6%	1,130	15%	3,156	64	64	C	B	1,995	4%	1,100	12%	3,095	64	64	C	B			
Northern Dist.	1,997	5%	1,102	12%	3,099	64	64	C	B	2,026	6%	1,130	15%	3,156	64	64	C	B	1,995	4%	1,100	12%	3,095	64	64	C	B			
Masters Rd	1,158	12%	902	16%	2,061	56	56	A	A	1,196	15%	939	19%	2,136	56	56	A	A	1,152	12%	896	15%	2,049	56	56	A	A			
Springhill Rd	477	12%	1,095	5%	1,571	70	70	A	A	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	70	A	A			
Springhill Rd	477	12%	1,095	5%	1,571	70	70	A	A	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	70	A	A			
Springhill Rd	477	12%	1,095	5%	1,571	70	70	A	A	514	19%	1,132	9%	1,645	69	69	A	A	471	11%	1,089	5%	1,559	70	70	A	A			

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday AM Peak Hour

Location	Scenario No. 23 2018 / 10mtpa @ 24/7/81/5-10/2						Scenario No. 24 2018 / 4mtpa @ 24/7						Scenario No. 25 2018 / 10mtpa @ 24/7											
	between			and			between			and			between			and								
	Veh/hr	% HV	From PKCT	Veh/hr	% HV	From PKCT	dir. split	to PKCT	from PKCT	Veh/hr	% HV	From PKCT	dir. split	to PKCT	from PKCT	Veh/hr	% HV	From PKCT	dir. split	to PKCT	from PKCT			
Appin Rd	319	16%	718	13%	1,037	69	B	D	312	14%	711	12%	1,023	70	B	C	319	16%	718	13%	1,037	69	B	D
Appin Rd	319	16%	718	13%	1,037	69	B	D	312	14%	711	12%	1,023	70	B	C	319	16%	718	13%	1,037	69	B	D
Appin Rd	319	16%	718	13%	1,037	69	C	D	312	14%	711	12%	1,023	70	C	D	319	16%	718	13%	1,037	69	C	D
Appin Rd	319	16%	718	13%	1,037	69	C	D	312	14%	711	12%	1,023	70	C	D	319	16%	718	13%	1,037	69	C	D
Mount Ousley Rd	2,653	10%	1,785	15%	4,437	60	E	D	2,646	10%	1,780	15%	4,425	60	E	D	2,653	10%	1,785	15%	4,437	60	E	D
Mount Ousley Rd	2,653	10%	1,785	15%	4,437	60	E	D	2,646	10%	1,780	15%	4,425	60	E	D	2,653	10%	1,785	15%	4,437	60	E	D
Southern Fwy	3,545	12%	4,876	9%	8,420	58	F	F	3,514	11%	4,843	9%	8,356	58	F	F	3,537	12%	4,865	9%	8,401	58	F	F
Southern Fwy	3,545	12%	4,876	9%	8,420	58	F	F	3,514	11%	4,843	9%	8,356	58	F	F	3,537	12%	4,865	9%	8,401	58	F	F
Southern Fwy	3,677	12%	5,398	8%	9,074	59	F	F	3,646	11%	5,365	8%	9,010	60	F	F	3,669	11%	5,387	8%	9,055	59	F	F
Bellambi Ln	342	13%	258	21%	600	57	A	A	318	6%	232	12%	550	58	A	A	334	11%	247	17%	581	57	A	A
Northern Dist.	2,018	6%	1,125	14%	3,143	64	C	B	1,994	4%	1,099	12%	3,093	64	C	B	2,010	5%	1,114	13%	3,124	64	C	B
Northern Dist.	2,018	6%	1,125	14%	3,143	64	C	B	1,994	4%	1,099	12%	3,093	64	C	B	2,010	5%	1,114	13%	3,124	64	C	B
Masters Rd	1,181	14%	928	18%	2,110	56	A	A	1,151	12%	895	15%	2,047	56	A	A	1,173	13%	917	17%	2,091	56	A	A
Springhill Rd	501	17%	1,120	8%	1,620	69	A	A	470	11%	1,088	5%	1,557	70	A	A	491	15%	1,110	7%	1,600	69	A	A
Springhill Rd	501	17%	1,120	8%	1,620	69	A	A	470	11%	1,088	5%	1,557	70	A	A	491	15%	1,110	7%	1,600	69	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location Street	Scenario No. 01 2008 / 0mtpa @ No. CT											Scenario No. 02 2008 / 4mtpa @ Current											Scenario No. 03 2008 / 4mtpa @ 11/6											Scenario No. 04 2008 / 4mtpa @ 24/7/8 1/5-10/2										
	To PKCT			From PKCT			Both		LoS			To PKCT			From PKCT			Both		LoS			To PKCT			From PKCT			Both		LoS													
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT										
	between	and																																										
Appin Rd	Appin Mine	West Cliff Mine	223	1%	269	2%	492	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	239	8%	287	8%	526	55	B							
Appin Rd	West Cliff Mine	Dharawal CE	223	1%	269	2%	492	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	239	8%	287	8%	526	55	B							
Appin Rd	Dharawal CE	No. 10A Fire Rd	223	1%	269	2%	492	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	239	8%	287	8%	526	55	B							
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	223	1%	269	2%	492	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	246	11%	297	11%	543	55	B	239	8%	287	8%	526	55	B							
Mount Ousley Rd	Appin Rd	Picton Rd	1,576	4%	1,274	6%	2,849	55	B	1,600	5%	1,303	8%	2,902	55	C	1,600	5%	1,303	8%	2,902	55	C	1,600	5%	1,303	8%	2,902	55	C	1,591	5%	1,291	7%	2,881	55	C							
Mount Ousley Rd	Picton Rd	Southern Fwy	1,576	4%	1,274	6%	2,849	55	B	1,600	5%	1,303	8%	2,902	55	B	1,600	5%	1,303	8%	2,902	55	B	1,600	5%	1,303	8%	2,902	55	B	1,591	5%	1,291	7%	2,881	55	B							
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,477	5%	2,199	5%	4,675	53	E D	2,510	6%	2,233	6%	4,742	53	B	2,507	6%	2,231	6%	4,737	53	B	2,498	6%	2,219	6%	4,716	53	E D	2,498	6%	2,219	6%	4,716	53	E D							
Southern Fwy	Northern Dist.	Princes Hwy	2,477	5%	2,199	5%	4,675	53	B	2,510	6%	2,233	6%	4,742	53	B	2,507	6%	2,231	6%	4,737	53	B	2,498	6%	2,219	6%	4,716	53	B	2,498	6%	2,219	6%	4,716	53	B							
Southern Fwy	Princes Hwy	Masters Rd	2,327	5%	2,068	4%	4,394	53	C	2,360	6%	2,102	6%	4,461	53	C	2,357	6%	2,100	6%	4,456	53	C	2,348	6%	2,108	5%	4,435	53	C	2,348	6%	2,108	5%	4,435	53	C							
Bellambi Ln	Princes Hwy	Northern Dist.	418	4%	353	4%	771	54	A	427	6%	362	6%	789	54	A	424	5%	360	6%	784	54	A	424	5%	359	6%	783	54	A	424	5%	359	6%	783	54	A							
Northern Dist.	Bellambi Ln	Railway St	804	3%	606	9%	1,410	57	B	813	4%	615	10%	1,428	57	B	810	4%	613	10%	1,423	57	B	810	4%	612	10%	1,422	57	B	810	4%	612	10%	1,422	57	B							
Northern Dist.	Railway St	Southern Fwy	804	3%	606	9%	1,410	57	B	813	4%	615	10%	1,428	57	B	810	4%	613	10%	1,423	57	B	810	4%	612	10%	1,422	57	B	810	4%	612	10%	1,422	57	B							
Masters Rd	Southern Fwy	Springhill Rd	483	10%	660	7%	1,143	58	A	516	16%	694	12%	1,210	57	A	513	15%	692	12%	1,205	57	A	504	14%	680	10%	1,184	57	A	504	14%	680	10%	1,184	57	A							
Springhill Rd	Springhill Rd	Port Kembala Rd	385	3%	445	3%	829	54	A	418	11%	479	10%	896	53	A	415	10%	477	10%	891	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A							
Springhill Rd	Masters Rd	Entry Road	385	3%	445	3%	829	54	A	418	11%	479	10%	896	53	A	415	10%	477	10%	891	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A							

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location	Scenario No. 05 2008 / 4mtpa @ 24/7										Scenario No. 06 2009 / 0mtpa @ No CT					Scenario No. 07 2009 / 4mtpa @ Current									
	To PKCT		From PKCT		Both		to PKCT		from PKCT		To PKCT		Veh/hr		To PKCT		Veh/hr		Both		to PKCT		from PKCT		
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	LoS	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT	
Street	between	and																							
Appin Rd	Appin Mine	West Cliff Mine	239	0	287	0	526	55	B	B															
Appin Rd	West Cliff Mine	Dharawal CE	239	0	287	0	526	55	B	B															
Appin Rd	Dharawal CE	No. 10A Fire Rd	239	0	287	0	526	55	B	B															
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	239	0	287	0	526	55	B	B															
Mount Ousley Rd	Appin Rd	Picton Rd	1,591	0	1,291	0	2,881	55	C	B															
Mount Ousley Rd	Picton Rd	Southern Fwy	1,591	0	1,291	0	2,881	55	B	B															
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,495	0	2,218	0	4,712	53	E	D															
Southern Fwy	Northern Dist.	Princes Hwy	2,495	0	2,218	0	4,712	53	B	B															
Southern Fwy	Princes Hwy	Masters Rd	2,345	0	2,087	0	4,431	53	C	C															
Bellambi Ln	Princes Hwy	Northern Dist.	421	4%	358	5%	779	54	A	A	160	3%	166	4%	326	51	A	A	169	8%	175	9%	344	51	A
Northern Dist.	Bellambi Ln	Railway St	807	3%	611	10%	1,418	57	B	A	844	3%	637	9%	1,481	57	B	A	853	4%	646	10%	1,499	57	B
Northern Dist.	Railway St	Southern Fwy	807	3%	611	10%	1,418	57	B	A	844	3%	637	9%	1,481	57	B	A	853	4%	646	10%	1,499	57	B
Masters Rd	Southern Fwy	Springhill Rd	501	0	678	0	1,179	58	A	A															
Springhill Rd	Masters Rd	Port Kembla Rd	403	0	463	0	865	53	A	A															
Springhill Rd	Masters Rd	Entry Road	403	0	463	0	865	53	A	A															

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location Street	between	and	Scenario No. 08 2009 / 4mtpa @ 11/6						Scenario No. 09 2009 / 5mtpa @ 11/6						Scenario No. 10 2009 / 5mtpa @ 24/7&15/5-10/2											
			To PKCT		Veh/hr		% HV		Both		dir. split		LoS		To PKCT		Veh/hr		% HV		Both		dir. split		LoS	
			Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV
Appin Rd	Appin Mine	West Cliff Mine																								
Appin Rd	West Cliff Mine	Dharawal CE																								
Appin Rd	Dharawal CE	No. 10A Fire Rd																								
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd																								
Mount Ousley Rd	Appin Rd	Picton Rd																								
Mount Ousley Rd	Picton Rd	Southern Fwy																								
Southern Fwy	Mount Ousley Rd	Northern Dist.																								
Southern Fwy	Northern Dist.	Princes Hwy																								
Southern Fwy	Princes Hwy	Masters Rd																								
Bellambi Ln	Princes Hwy	Northern Dist.	166	7%	173	8%	339	51	A	A	167	7%	175	9%	342	51	A	A	167	7%	174	9%	341	51	A	A
Northern Dist.	Bellambi Ln	Railway St	850	4%	644	10%	1,494	57	B	A	851	4%	646	10%	1,497	57	B	A	851	4%	645	10%	1,496	57	B	A
Northern Dist.	Railway St	Southern Fwy	850	4%	644	10%	1,494	57	B	A	851	4%	646	10%	1,497	57	B	A	851	4%	645	10%	1,496	57	B	A
Masters Rd	Southern Fwy	Springhill Rd																								
Springhill Rd	Masters Rd	Port Kembla Rd																								
Springhill Rd	Masters Rd	Entry Road																								

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location		Scenario No. 11 2009 / 5mtpa @ 24/7						Scenario No. 12 2013 / 0mtpa @ No CT						Scenario No. 13 2013 / 4mtpa @ 11/6					
		To PKCT	Veh/hr	% HV	Veh/hr	dir. split	LoS	To PKCT	Veh/hr	% HV	Veh/hr	dir. split	LoS	To PKCT	Veh/hr	% HV	Veh/hr	dir. split	LoS
Street	between and																		
Appin Rd	Appin Mine	West Cliff Mine	246	1%	298	2%	544	55											
Appin Rd	West Cliff Mine	Dharawal CE	246	1%	298	2%	544	55											
Appin Rd	Dharawal CE	No. 10A Fire Rd	246	1%	298	2%	544	55											
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	246	1%	298	2%	544	55											
Mount Ousley Rd	Appin Rd	Picton Rd	1,736	4%	1,405	6%	3,141	55											
Mount Ousley Rd	Picton Rd	Southern Fwy	1,736	4%	1,405	6%	3,141	55											
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,730	5%	2,423	5%	5,153	53											
Southern Fwy	Northern Dist.	Princes Hwy	2,730	5%	2,423	5%	5,153	53											
Southern Fwy	Princes Hwy	Masters Rd	2,668	5%	2,371	4%	5,039	53											
Bellambi Ln	Princes Hwy	Northern Dist.	164	5%	171	7%	335	51											
Northern Dist.	Bellambi Ln	Railway St	848	3%	642	10%	1,490	57											
Northern Dist.	Railway St	Southern Fwy	848	3%	642	10%	1,490	57											
Masters Rd	Southern Fwy	Springhill Rd			486	11%	663	8%											
Springhill Rd	Masters Rd	Port Kembla Rd			385	3%	445	3%											
Springhill Rd	Masters Rd	Entry Road			385	3%	445	3%											

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location	Scenario No. 14 2013 / 10mtpa @ 11/6						Scenario No. 15 2013 / 4mtpa @ 24/7815/5-10/2						Scenario No. 16 2013 / 10mtpa @ 24/7815/5-10/2								
	To PKCT		From PKCT		Both		To PKCT		From PKCT		Both		To PKCT		From PKCT		Both				
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	LoS	Veh/hr	% HV	Veh/hr	dir. split	LoS	Veh/hr	% HV	Veh/hr	dir. split	LoS				
Street	between	and																			
Appin Rd	Appin Mine	West Cliff Mine	281	14%	341	15%	622	55	B	316	8%	578	55	B	271	10%	325	10%	596	55	B
Appin Rd	West Cliff Mine	Dharawal CE	281	14%	341	15%	622	55	B	316	8%	578	55	B	271	10%	325	10%	596	55	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	281	14%	341	15%	622	55	B	316	8%	578	55	B	271	10%	325	10%	596	55	B
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	281	14%	341	15%	622	55	C	316	8%	578	55	C	271	10%	325	10%	596	55	B
Mount Ousley Rd	Appin Rd	Picton Rd	1,772	6%	1,450	9%	3,222	55	C	1,422	7%	3,173	55	C	1,760	5%	1,431	8%	3,191	55	C
Mount Ousley Rd	Picton Rd	Southern Fwy	1,772	6%	1,450	9%	3,222	55	B	1,422	7%	3,173	55	B	1,760	5%	1,431	8%	3,191	55	B
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,797	8%	2,497	8%	5,294	53	F	2,443	6%	5,194	53	F	2,784	7%	2,476	7%	5,260	53	F
Southern Fwy	Northern Dist.	Princes Hwy	2,797	8%	2,497	8%	5,294	53	C	2,443	6%	5,194	53	C	2,784	7%	2,476	7%	5,260	53	C
Southern Fwy	Princes Hwy	Masters Rd	2,735	7%	2,445	7%	5,180	53	D	2,391	5%	5,080	53	D	2,722	7%	2,424	7%	5,146	53	C
Bellambi Ln	Princes Hwy	Northern Dist.	197	18%	208	21%	405	51	A	172	6%	178	7%	A	196	18%	204	19%	400	51	A
Northern Dist.	Bellambi Ln	Railway St	1,035	6%	794	13%	1,829	57	B	1,010	3%	764	10%	B	1,034	6%	790	13%	1,824	57	B
Northern Dist.	Railway St	Southern Fwy	1,035	6%	794	13%	1,829	57	B	1,010	3%	764	10%	B	1,034	6%	790	13%	1,824	57	B
Masters Rd	Southern Fwy	Springhill Rd	553	21%	735	17%	1,287	57	A	507	14%	683	10%	A	540	20%	715	15%	1,254	57	A
Springhill Rd	Masters Rd	Port Kembla Rd	452	18%	517	17%	968	53	A	406	8%	465	7%	A	439	15%	497	13%	935	53	A
Springhill Rd	Masters Rd	Entry Road	452	18%	517	17%	968	53	A	406	8%	465	7%	A	439	15%	497	13%	935	53	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location	Scenario No. 17 2013 / 4mtpa @ 24/7										Scenario No. 18 2013 / 10mtpa @ 24/7										Scenario No. 19 2018 / 0mtpa @ No.CT															
	To PKCT		From PKCT		Both		dir. split		to PKCT		from PKCT		To PKCT		From PKCT		Both		dir. split		to PKCT		from PKCT		To PKCT		From PKCT		Both		dir. split		to PKCT		from PKCT	
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV
Street	between	and																																		
Appin Rd	Appin Mine	West Cliff Mine	262	7%	316	8%	578	55	B	B	271	10%	325	10%	596	55	B	B	270	1%	325	2%	595	55	B	B	270	1%	325	2%	595	55	B	B		
Appin Rd	West Cliff Mine	Dharawal CE	262	7%	316	8%	578	55	B	B	271	10%	325	10%	596	55	B	B	270	1%	325	2%	595	55	B	B	270	1%	325	2%	595	55	B	B		
Appin Rd	Dharawal CE	No. 10A Fire Rd	262	7%	316	8%	578	55	B	C	271	10%	325	10%	596	55	B	C	270	1%	325	2%	595	55	B	C	270	1%	325	2%	595	55	B	C		
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	262	7%	316	8%	578	55	B	C	271	10%	325	10%	596	55	B	C	270	1%	325	2%	595	55	B	C	270	1%	325	2%	595	55	B	C		
Mount Ousley Rd	Appin Rd	Picton Rd	1,751	5%	1,422	7%	3,173	55	C	B	1,760	5%	1,431	8%	3,191	55	C	C	1,896	4%	1,535	6%	3,430	55	C	C	1,896	4%	1,535	6%	3,430	55	C	C		
Mount Ousley Rd	Appin Rd	Southern Fwy	1,751	5%	1,422	7%	3,173	55	B	B	1,760	5%	1,431	8%	3,191	55	B	B	1,896	4%	1,535	6%	3,430	55	B	B	1,896	4%	1,535	6%	3,430	55	B	B		
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,748	6%	2,442	6%	5,190	53	F	E	2,772	7%	2,465	7%	5,237	53	F	E	2,982	5%	2,647	5%	5,628	53	F	E	2,982	5%	2,647	5%	5,628	53	F	E		
Southern Fwy	Northern Dist.	Princes Hwy	2,748	6%	2,442	6%	5,190	53	C	B	2,772	7%	2,465	7%	5,237	53	C	B	2,982	5%	2,647	5%	5,628	53	C	B	2,982	5%	2,647	5%	5,628	53	C	B		
Southern Fwy	Princes Hwy	Masters Rd	2,686	6%	2,390	5%	5,076	53	D	C	2,710	6%	2,413	6%	5,123	53	D	C	3,011	5%	2,674	5%	5,684	53	D	C	3,011	5%	2,674	5%	5,684	53	D	C		
Bellambi Ln	Princes Hwy	Northern Dist.	169	5%	177	7%	346	51	A	A	184	13%	193	15%	377	51	A	A	174	3%	181	4%	355	51	A	A	174	3%	181	4%	355	51	A	A		
Northern Dist.	Bellambi Ln	Railway St	1,007	3%	763	10%	1,770	57	B	B	1,022	5%	779	11%	1,801	57	B	B	1,205	3%	907	9%	2,112	57	B	B	1,205	3%	907	9%	2,112	57	B	B		
Northern Dist.	Railway St	Southern Fwy	1,007	3%	763	10%	1,770	57	B	B	1,022	5%	779	11%	1,801	57	B	B	1,205	3%	907	9%	2,112	57	B	B	1,205	3%	907	9%	2,112	57	B	B		
Masters Rd	Southern Fwy	Springhill Rd	504	14%	681	10%	1,184	57	A	A	528	18%	704	13%	1,231	57	A	A	487	11%	664	8%	1,152	58	A	A	487	11%	664	8%	1,152	58	A	A		
Springhill Rd	Masters Rd	Port Kembla Rd	403	8%	463	7%	865	53	A	A	427	13%	486	11%	912	53	A	A	385	3%	445	3%	829	54	A	A	385	3%	445	3%	829	54	A	A		
Springhill Rd	Masters Rd	Entry Road	403	8%	463	7%	865	53	A	A	427	13%	486	11%	912	53	A	A	385	3%	445	3%	829	54	A	A	385	3%	445	3%	829	54	A	A		

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location Street	Scenario No. 20 2018 / 4mtpa @ 11/6										Scenario No. 21 2018 / 10mtpa @ 11/6										Scenario No. 22 2018 / 4mtpa @ 24/7@15/5-10/2															
	To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS		To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS		To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS	
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Both	to PKCT	from PKCT		
	between	and																																		
Appin Rd	Appin Mine	293	9%	353	10%	646	55	B	305	13%	368	14%	673	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B
Appin Rd	West Cliff Mine	293	9%	353	10%	646	55	B	305	13%	368	14%	673	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B
Appin Rd	Dharawal CE	293	9%	353	10%	646	55	B	305	13%	368	14%	673	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B
Appin Rd	No. 10A Fire Rd	293	9%	353	10%	646	55	B	305	13%	368	14%	673	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B	286	7%	343	7%	629	55	B
Mount Ousley Rd	Appin Rd	1,920	5%	1,564	8%	3,483	55	C	1,932	6%	1,580	9%	3,511	55	C	1,911	5%	1,552	7%	3,462	55	C	1,911	5%	1,552	7%	3,462	55	C	1,911	5%	1,552	7%	3,462	55	C
Mount Ousley Rd	Picton Rd	1,920	5%	1,564	8%	3,483	55	C	1,932	6%	1,580	9%	3,511	55	C	1,911	5%	1,552	7%	3,462	55	C	1,911	5%	1,552	7%	3,462	55	C	1,911	5%	1,552	7%	3,462	55	C
Southern Fwy	Mount Ousley Rd	3,012	6%	2,679	6%	5,690	53	C	3,049	8%	2,721	8%	5,769	53	C	3,003	6%	2,667	6%	5,669	53	C	3,003	6%	2,667	6%	5,669	53	C	3,003	6%	2,667	6%	5,669	53	C
Southern Fwy	Northern Dist.	3,012	6%	2,679	6%	5,690	53	C	3,049	8%	2,721	8%	5,769	53	C	3,003	6%	2,667	6%	5,669	53	C	3,003	6%	2,667	6%	5,669	53	C	3,003	6%	2,667	6%	5,669	53	C
Southern Fwy	Princes Hwy	3,041	6%	2,706	6%	5,746	53	D	3,078	7%	2,748	7%	5,825	53	D	3,032	6%	2,694	5%	5,725	53	D	3,032	6%	2,694	5%	5,725	53	D	3,032	6%	2,694	5%	5,725	53	D
Southern Fwy	Masters Rd	180	6%	188	8%	368	51	A	205	18%	217	20%	422	51	A	180	6%	187	7%	367	51	A	180	6%	187	7%	367	51	A	180	6%	187	7%	367	51	A
Bellambi Ln	Princes Hwy	1,211	3%	914	10%	2,125	57	B	1,236	5%	943	12%	2,179	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B
Northern Dist.	Northern Dist.	1,211	3%	914	10%	2,125	57	B	1,236	5%	943	12%	2,179	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B
Northern Dist.	Railway St	1,211	3%	914	10%	2,125	57	B	1,236	5%	943	12%	2,179	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B	1,211	3%	913	9%	2,124	57	B
Northern Dist.	Southern Fwy	517	16%	696	12%	1,214	57	A	554	22%	736	17%	1,291	57	A	508	15%	684	11%	1,193	57	A	508	15%	684	11%	1,193	57	A	508	15%	684	11%	1,193	57	A
Masters Rd	Southern Fwy	415	10%	477	10%	891	53	A	452	18%	517	17%	968	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A
Springhill Rd	Masters Rd	415	10%	477	10%	891	53	A	452	18%	517	17%	968	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A
Springhill Rd	Entry Road	415	10%	477	10%	891	53	A	452	18%	517	17%	968	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A	406	8%	465	7%	870	53	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend AM Peak Hour

Location	Scenario No. 23 2018 / 10mtpa @ 24/7 & 15/5-10/2						Scenario No. 24 2018 / 4mtpa @ 24/7						Scenario No. 25 2018 / 10mtpa @ 24/7							
	between			and			between			and			between			and				
	To PKCT	From PKCT	LoS	To PKCT	From PKCT	LoS	To PKCT	From PKCT	LoS	To PKCT	From PKCT	LoS	To PKCT	From PKCT	LoS	To PKCT	From PKCT	LoS		
Appin Rd	Appin Mine	West Cliff Mine	B	352	10%	647	54	7%	286	7%	343	7%	629	55	B	352	10%	647	54	B
Appin Rd	West Cliff Mine	Dharawal CE	B	352	10%	647	54	7%	286	7%	343	7%	629	55	B	352	10%	647	54	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	C	352	10%	647	54	7%	286	7%	343	7%	629	55	B	352	10%	647	54	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	C	352	10%	647	54	7%	286	7%	343	7%	629	55	B	352	10%	647	54	C
Mount Ousley Rd	Appin Rd	Picton Rd	C	1,561	8%	3,480	55	7%	1,911	5%	1,552	7%	3,462	55	C	1,561	8%	3,480	55	C
Mount Ousley Rd	Picton Rd	Southern Fwy	C	1,561	8%	3,480	55	7%	1,911	5%	1,552	7%	3,462	55	C	1,561	8%	3,480	55	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	C	2,700	7%	5,735	53	6%	3,000	6%	2,666	6%	5,665	53	C	2,700	7%	5,735	53	C
Southern Fwy	Northern Dist.	Princes Hwy	E	3,036	7%	2,727	6%	5,791	53	6%	2,693	5%	5,721	53	D	3,036	7%	2,727	6%	E
Southern Fwy	Princes Hwy	Masters Rd	D	3,065	7%	2,727	6%	5,791	53	6%	2,693	5%	5,721	53	D	3,065	7%	2,727	6%	D
Bellambi Ln	Princes Hwy	Northern Dist.	A	204	17%	213	19%	417	51	5%	186	7%	363	51	A	192	12%	202	14%	A
Northern Dist.	Bellambi Ln	Railway St	B	1,235	5%	939	12%	2,174	57	3%	912	9%	2,120	57	B	1,223	4%	928	11%	B
Northern Dist.	Railway St	Southern Fwy	B	1,235	5%	939	12%	2,174	57	3%	912	9%	2,120	57	B	1,223	4%	928	11%	B
Masters Rd	Southern Fwy	Springhill Rd	A	541	20%	1,258	57	14%	505	14%	682	10%	1,188	57	A	529	18%	705	13%	A
Springhill Rd	Masters Rd	Port Kembla Rd	A	439	15%	497	13%	935	53	8%	463	7%	865	53	A	427	13%	486	11%	A
Springhill Rd	Masters Rd	Entry Road	A	439	15%	497	13%	935	53	8%	463	7%	865	53	A	427	13%	486	11%	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location Street	Scenario No. 01 2008 / Omtpa @ No CT										Scenario No. 02 2008 / 4mtpa @ Current										Scenario No. 03 2008 / 4mtpa @ 11/6										Scenario No. 04 2008 / 4mtpa @ 24/7@15/5-10/2									
	To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS		To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS		To PKCT		From PKCT		% HV		Veh/hr		dir. split		LoS					
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Both	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV				
	between	and																																						
Appin Rd	Appin Mine	West Cliff Mine	677	8%	278	11%	955	71	C	B	684	9%	295	16%	979	70	C	B	684	9%	295	16%	979	70	C	B	687	9%	290	15%	977	70	C	B						
Appin Rd	West Cliff Mine	Dharawal CE	677	8%	278	11%	955	71	C	B	684	9%	295	16%	979	70	C	B	684	9%	295	16%	979	70	C	B	687	9%	290	15%	977	70	C	B						
Appin Rd	Dharawal CE	No. 10A Fire Rd	677	8%	278	11%	955	71	D	C	684	9%	295	16%	979	70	D	C	684	9%	295	16%	979	70	D	C	687	9%	290	15%	977	70	D	C						
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	677	8%	278	11%	955	71	D	C	684	9%	295	16%	979	70	D	C	684	9%	295	16%	979	70	D	C	687	9%	290	15%	977	70	D	C						
Mount Ousley Rd	Appin Rd	Picton Rd	1,899	7%	1,541	7%	3,439	55	C	C	1,901	7%	1,545	7%	3,445	55	C	C	1,901	7%	1,545	7%	3,445	55	C	C	1,906	7%	1,548	7%	3,453	55	C	C						
Mount Ousley Rd	Picton Rd	Southern Fwy	1,899	7%	1,541	7%	3,439	55	C	B	1,901	7%	1,545	7%	3,445	55	C	B	1,901	7%	1,545	7%	3,445	55	C	B	1,906	7%	1,548	7%	3,453	55	C	B						
Southern Fwy	Mount Ousley Rd	Northern Dist.	3,501	5%	2,902	5%	6,402	55	C	C	3,503	5%	2,910	5%	6,412	55	C	C	3,503	5%	2,909	5%	6,411	55	C	C	3,511	5%	2,915	6%	6,425	55	C	C						
Southern Fwy	Northern Dist.	Princes Hwy	3,501	5%	2,902	5%	6,402	55	C	C	3,503	5%	2,910	5%	6,412	55	C	C	3,503	5%	2,909	5%	6,411	55	C	C	3,511	5%	2,915	6%	6,425	55	C	C						
Southern Fwy	Princes Hwy	Masters Rd	3,551	5%	2,824	4%	6,374	56	E	D	3,553	5%	2,832	5%	6,384	56	E	D	3,553	5%	2,831	5%	6,383	56	E	D	3,561	5%	2,837	5%	6,397	56	E	D						
Bellambi Ln	Princes Hwy	Northern Dist.	532	9%	577	7%	1,109	52	A	A	540	10%	586	9%	1,126	52	A	A	538	10%	583	8%	1,121	52	A	A	537	10%	582	8%	1,119	52	A	A						
Northern Dist.	Bellambi Ln	Railway St	741	3%	1,197	5%	1,938	62	A	B	741	3%	1,200	5%	1,941	62	A	B	741	3%	1,199	5%	1,940	62	A	B	744	3%	1,201	5%	1,945	62	A	B						
Northern Dist.	Railway St	Southern Fwy	741	3%	1,197	5%	1,938	62	A	B	741	3%	1,200	5%	1,941	62	A	B	741	3%	1,199	5%	1,940	62	A	B	744	3%	1,201	5%	1,945	62	A	B						
Masters Rd	Southern Fwy	Springhill Rd	493	21%	894	13%	1,387	64	A	A	520	25%	925	16%	1,445	64	A	A	518	25%	923	15%	1,441	64	A	A	512	24%	915	15%	1,427	64	A	A						
Springhill Rd	Masters Rd	Port Kembla Rd	778	2%	618	2%	1,395	56	A	A	782	2%	624	3%	1,405	56	A	A	782	2%	624	3%	1,405	56	A	A	790	3%	631	4%	1,420	56	A	A						
Springhill Rd	Port Kembla Rd	Entry Road	778	2%	618	2%	1,395	56	A	A	782	2%	624	3%	1,405	56	A	A	782	2%	624	3%	1,405	56	A	A	790	3%	631	4%	1,420	56	A	A						

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 05 2008 / 4mtpa @ 24/7						Scenario No. 06 2009 / 0mtpa @ No. CT						Scenario No. 07 2009 / 4mtpa @ Current													
	between		and		from PKCT		to PKCT		dir. split		Both		from PKCT		to PKCT		dir. split		Both		from PKCT		to PKCT			
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV
Appin Rd	Appin Mine	687	0	290	0	977	70	C	B																	
Appin Rd	West Cliff Mine	687	0	290	0	977	70	C	B																	
Appin Rd	Dharawal CE	687	0	290	0	977	70	D	C																	
Appin Rd	No. 10A Fire Rd	687	0	290	0	977	70	D	C																	
Mount Ousley Rd	Appin Rd	1,906	0	1,548	0	3,453	55	C	C																	
Mount Ousley Rd	Picton Rd	1,906	0	1,548	0	3,453	55	C	B																	
Southern Fwy	Southern Fwy	3,510	0	2,913	0	6,422	55	F	E																	
Southern Fwy	Northern Dist.	3,510	0	2,913	0	6,422	55	C	C																	
Southern Fwy	Princes Hwy	3,560	0	2,835	0	6,394	56	E	D																	
Bellambi Ln	Princes Hwy	535	9%	581	8%	1,116	52	A	A	160	4%	308	3%	468	6%	160	4%	311	4%	471	6%	160	4%	311	4%	
Northern Dist.	Bellambi Ln	743	3%	1,199	5%	1,942	62	A	B	778	3%	1,257	5%	2,035	6%	778	3%	1,260	5%	2,038	6%	778	3%	1,260	5%	
Northern Dist.	Railway St	743	3%	1,199	5%	1,942	62	A	B	778	3%	1,257	5%	2,035	6%	778	3%	1,260	5%	2,038	6%	778	3%	1,260	5%	
Masters Rd	Southern Fwy	510	0	913	0	1,423	64	A	A																	
Springhill Rd	Port Kembla Rd	788	0	629	0	1,416	56	A	A																	
Springhill Rd	Masters Rd	788	0	629	0	1,416	56	A	A																	
Springhill Rd	Entry Road	788	0	629	0	1,416	56	A	A																	

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 08 2009 / 4mtpa @ 11/6						Scenario No. 09 2009 / 5mtpa @ 11/6						Scenario No. 10 2009 / 5mtpa @ 24/7&15/5-10/2													
	To PKCT		From PKCT		Both		To PKCT		From PKCT		Both		To PKCT		From PKCT		Both									
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	from PKCT				
Street	between	and																								
Appin Rd	Appin Mine	West Cliff Mine																								
Appin Rd	West Cliff Mine	Dharawal CE																								
Appin Rd	Dharawal CE	No. 10A Fire Rd																								
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd																								
Mount Ousley Rd	Appin Rd	Picton Rd																								
Mount Ousley Rd	Picton Rd	Southern Fwy																								
Southern Fwy	Mount Ousley Rd	Northern Dist.																								
Southern Fwy	Northern Dist.	Princes Hwy																								
Southern Fwy	Princes Hwy	Masters Rd																								
Bellambi Ln	Princes Hwy	Northern Dist.	160	4%	310	4%	470	66	A	A	160	4%	311	4%	471	66	A	A	164	6%	313	4%	477	66	A	A
Northern Dist.	Bellambi Ln	Railway St	778	3%	1,259	5%	2,037	62	A	B	778	3%	1,260	5%	2,038	62	A	B	782	4%	1,262	5%	2,044	62	B	B
Northern Dist.	Railway St	Southern Fwy	778	3%	1,259	5%	2,037	62	A	B	778	3%	1,260	5%	2,038	62	A	B	782	4%	1,262	5%	2,044	62	B	B
Masters Rd	Southern Fwy	Springhill Rd																								
Springhill Rd	Masters Rd	Port Kembla Rd																								
Springhill Rd	Masters Rd	Entry Road																								

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 11 2009 / 5mtpa @ 24/7						Scenario No. 12 2013 / 0mtpa @ No CT						Scenario No. 13 2013 / 4mtpa @ 11/6							
	between		and		between		and		between		and		between		and		between		and	
	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street	Street
Appin Rd	Appin Mine	West Cliff Mine																		
Appin Rd	West Cliff Mine	Dharawal CE																		
Appin Rd	Dharawal CE	No. 10A Fire Rd																		
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd																		
Mount Ousley Rd	Appin Rd	Picton Rd																		
Mount Ousley Rd	Picton Rd	Southern Fwy																		
Southern Fwy	Mount Ousley Rd	Northern Dist.																		
Southern Fwy	Northern Dist.	Princes Hwy																		
Southern Fwy	Princes Hwy	Masters Rd																		
Bellambi Ln	Princes Hwy	Northern Dist.																		
Northern Dist.	Bellambi Ln	Railway St																		
Northern Dist.	Railway St	Southern Fwy																		
Masters Rd	Southern Fwy	Springhill Rd																		
Springhill Rd	Masters Rd	Port Kembla Rd																		
Springhill Rd	Masters Rd	Entry Road																		

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 14 2013 / 10mtpa @ 11/6										Scenario No. 15 2013 / 4mtpa @ 24/7/815/5-10/2										Scenario No. 16 2013 / 10mtpa @ 24/7/815/5-10/2												
	To PKCT		From PKCT		Both		dir. split		LoS		To PKCT		From PKCT		Both		dir. split		LoS		To PKCT		From PKCT		Both		dir. split		LoS				
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT			
	between	and																															
Appin Rd	Appin Mine	760	9%	333	18%	1,093	70	D	B	760	9%	320	15%	1,080	70	D	B	765	10%	327	17%	1,092	70	D	B	765	10%	327	17%	1,092	70	D	B
Appin Rd	West Cliff Mine	760	9%	333	18%	1,093	70	D	B	760	9%	320	15%	1,080	70	D	B	765	10%	327	17%	1,092	70	D	B	765	10%	327	17%	1,092	70	D	B
Appin Rd	Dharawal CE	760	9%	333	18%	1,093	70	D	C	760	9%	320	15%	1,080	70	D	C	765	10%	327	17%	1,092	70	D	C	765	10%	327	17%	1,092	70	D	C
Appin Rd	No. 10A Fire Rd	760	9%	333	18%	1,093	70	D	C	760	9%	320	15%	1,080	70	D	C	765	10%	327	17%	1,092	70	D	C	765	10%	327	17%	1,092	70	D	C
Mount Ousley Rd	Appin Rd	2,097	7%	1,706	7%	3,803	55	D	C	2,101	7%	1,707	7%	3,808	55	D	C	2,105	7%	1,711	8%	3,816	55	D	C	2,105	7%	1,711	8%	3,816	55	D	C
Mount Ousley Rd	Picton Rd	2,097	7%	1,706	7%	3,803	55	D	C	2,101	7%	1,707	7%	3,808	55	D	C	2,105	7%	1,711	8%	3,816	55	D	C	2,105	7%	1,711	8%	3,816	55	D	C
Southern Fwy	Southern Fwy	3,861	5%	3,215	6%	7,076	55	F	E	3,868	6%	3,211	6%	7,079	55	F	E	3,885	6%	3,231	6%	7,116	55	F	E	3,885	6%	3,231	6%	7,116	55	F	E
Southern Fwy	Northern Dist.	3,861	5%	3,215	6%	7,076	55	D	C	3,868	6%	3,211	6%	7,079	55	D	C	3,885	6%	3,231	6%	7,116	55	D	C	3,885	6%	3,231	6%	7,116	55	D	C
Southern Fwy	Princes Hwy	4,075	5%	3,255	5%	7,330	56	F	E	4,082	5%	3,251	5%	7,333	56	F	E	4,099	5%	3,271	6%	7,370	56	F	E	4,099	5%	3,271	6%	7,370	56	F	E
Bellambi Ln	Princes Hwy	242	20%	312	17%	554	56	A	A	218	11%	286	9%	504	57	A	A	240	19%	308	16%	548	56	A	A	240	19%	308	16%	548	56	A	A
Northern Dist.	Northern Dist.	925	3%	1,505	5%	2,430	62	B	B	928	3%	1,499	5%	2,427	62	B	B	941	5%	1,514	6%	2,455	62	B	B	941	5%	1,514	6%	2,455	62	B	B
Northern Dist.	Railway St	925	3%	1,505	5%	2,430	62	B	B	928	3%	1,499	5%	2,427	62	B	B	941	5%	1,514	6%	2,455	62	B	B	941	5%	1,514	6%	2,455	62	B	B
Masters Rd	Southern Fwy	670	11%	1,865	5%	2,534	74	A	A	677	12%	1,861	5%	2,537	73	A	A	694	14%	1,881	6%	2,574	73	A	A	694	14%	1,881	6%	2,574	73	A	A
Springhill Rd	Port Kembla Rd	787	3%	630	4%	1,416	56	A	A	790	3%	631	4%	1,420	56	A	A	807	5%	649	6%	1,455	55	A	A	807	5%	649	6%	1,455	55	A	A
Springhill Rd	Masters Rd	787	3%	630	4%	1,416	56	A	A	790	3%	631	4%	1,420	56	A	A	807	5%	649	6%	1,455	55	A	A	807	5%	649	6%	1,455	55	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 17 2013 / 4mtpa @ 24/7										Scenario No. 18 2013 / 10mtpa @ 24/7										Scenario No. 19 2018 / 0mtpa @ No.CT													
	To PKCT		From PKCT		Both		dir. split		LoS		To PKCT		From PKCT		Both		dir. split		LoS		To PKCT		From PKCT		Both		dir. split		LoS					
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	from PKCT	to PKCT	Veh/hr	% HV	from PKCT	to PKCT		
Street	between	and																																
Appin Rd	Appin Mine	West Cliff Mine	760	9%	320	15%	1,080	70	D	B	765	10%	327	17%	1,092	70	D	B	823	8%	339	12%	1,162	71	D	B	823	8%	339	12%	1,162	71	D	B
Appin Rd	West Cliff Mine	Dharawal CE	760	9%	320	15%	1,080	70	D	B	765	10%	327	17%	1,092	70	D	B	823	8%	339	12%	1,162	71	D	B	823	8%	339	12%	1,162	71	D	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	760	9%	320	15%	1,080	70	D	C	765	10%	327	17%	1,092	70	D	C	823	8%	339	12%	1,162	71	D	C	823	8%	339	12%	1,162	71	D	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	760	9%	320	15%	1,080	70	D	C	765	10%	327	17%	1,092	70	D	C	823	8%	339	12%	1,162	71	D	C	823	8%	339	12%	1,162	71	D	C
Mount Ousley Rd	Appin Rd	Picton Rd	2,101	7%	1,707	7%	3,808	55	D	C	2,105	7%	1,711	8%	3,816	55	D	C	2,289	7%	1,857	7%	4,145	55	D	C	2,289	7%	1,857	7%	4,145	55	D	C
Mount Ousley Rd	Picton Rd	Southern Fwy	2,101	7%	1,707	7%	3,808	55	C	C	2,105	7%	1,711	8%	3,816	55	C	C	2,289	7%	1,857	7%	4,145	55	D	C	2,289	7%	1,857	7%	4,145	55	D	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	3,867	6%	3,209	6%	7,076	55	F	E	3,877	6%	3,221	6%	7,098	55	F	E	4,215	5%	3,493	5%	7,707	55	F	F	4,215	5%	3,493	5%	7,707	55	F	F
Southern Fwy	Northern Dist.	Princes Hwy	3,867	6%	3,209	6%	7,076	55	D	C	3,877	6%	3,221	6%	7,098	55	D	C	4,215	5%	3,493	5%	7,707	55	D	C	4,215	5%	3,493	5%	7,707	55	D	C
Southern Fwy	Princes Hwy	Masters Rd	4,081	5%	3,249	5%	7,330	56	F	E	4,091	5%	3,261	5%	7,352	56	F	E	4,593	5%	3,652	5%	8,244	56	F	F	4,593	5%	3,652	5%	8,244	56	F	F
Bellambi Ln	Princes Hwy	Northern Dist.	216	10%	285	9%	501	57	A	A	229	15%	298	13%	527	57	A	A	223	9%	295	7%	518	57	A	A	223	9%	295	7%	518	57	A	A
Northern Dist.	Bellambi Ln	Railway St	927	3%	1,497	5%	2,424	62	B	B	933	4%	1,504	5%	2,437	62	B	B	1,110	3%	1,794	5%	2,904	62	B	C	1,110	3%	1,794	5%	2,904	62	B	C
Northern Dist.	Railway St	Southern Fwy	927	3%	1,497	5%	2,424	62	B	B	933	4%	1,504	5%	2,437	62	B	B	1,110	3%	1,794	5%	2,904	62	B	C	1,110	3%	1,794	5%	2,904	62	B	C
Masters Rd	Southern Fwy	Springhill Rd	676	12%	1,859	5%	2,534	73	A	A	686	13%	1,871	6%	2,556	73	A	A	667	11%	1,849	5%	2,517	73	A	A	667	11%	1,849	5%	2,517	73	A	A
Springhill Rd	Masters Rd	Port Kembla Rd	788	3%	629	3%	1,416	56	A	A	798	4%	640	5%	1,437	55	A	A	778	2%	618	2%	1,395	56	A	A	778	2%	618	2%	1,395	56	A	A
Springhill Rd	Masters Rd	Entry Road	788	3%	629	3%	1,416	56	A	A	798	4%	640	5%	1,437	55	A	A	778	2%	618	2%	1,395	56	A	A	778	2%	618	2%	1,395	56	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location Street	between	and	Scenario No. 20 2018 / 4mtpa @ 11/6						Scenario No. 21 2018 / 10mtpa @ 11/6						Scenario No. 22 2018 / 4mtpa @ 24/7@15/5-10/2																			
			To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	LoS	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	LoS	from PKCT	To PKCT	% HV	Veh/hr	From PKCT	% HV	Veh/hr	Both	dir. split	LoS			
			Veh/hr	3%	624	3%	1,405	56	A	A	787	3%	630	4%	1,416	56	A	A	790	3%	631	4%	1,420	56	A	A	790	3%	631	4%	1,420	56	A	A
Appin Rd	Appin Mine	West Cliff Mine	830	9%	356	16%	1,186	70	D	B	833	9%	364	18%	1,197	70	D	B	833	9%	351	15%	1,184	70	D	B	833	9%	351	15%	1,184	70	D	B
Appin Rd	West Cliff Mine	Dharawal CE	830	9%	356	16%	1,186	70	D	B	833	9%	364	18%	1,197	70	D	B	833	9%	351	15%	1,184	70	D	B	833	9%	351	15%	1,184	70	D	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	830	9%	356	16%	1,186	70	D	C	833	9%	364	18%	1,197	70	D	C	833	9%	351	15%	1,184	70	D	C	833	9%	351	15%	1,184	70	D	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	830	9%	356	16%	1,186	70	E	C	833	9%	364	18%	1,197	70	E	C	833	9%	351	15%	1,184	70	E	C	833	9%	351	15%	1,184	70	E	C
Mount Ousley Rd	Appin Rd	Picton Rd	2,291	7%	1,861	7%	4,151	55	D	C	2,292	7%	1,863	7%	4,154	55	D	C	2,296	7%	1,864	8%	4,159	55	D	C	2,296	7%	1,864	8%	4,159	55	D	C
Mount Ousley Rd	Picton Rd	Southern Fwy	2,291	7%	1,861	7%	4,151	55	D	C	2,292	7%	1,863	7%	4,154	55	D	C	2,296	7%	1,864	8%	4,159	55	D	C	2,296	7%	1,864	8%	4,159	55	D	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	4,217	6%	3,500	6%	7,716	55	F	F	4,218	6%	3,510	6%	7,727	55	F	F	4,225	6%	3,506	6%	7,730	55	F	F	4,225	6%	3,506	6%	7,730	55	F	F
Southern Fwy	Northern Dist.	Princes Hwy	4,217	6%	3,500	6%	7,716	55	D	C	4,218	6%	3,510	6%	7,727	55	D	C	4,225	6%	3,506	6%	7,730	55	D	C	4,225	6%	3,506	6%	7,730	55	D	C
Southern Fwy	Princes Hwy	Masters Rd	4,595	5%	3,659	5%	8,253	56	F	F	4,596	5%	3,669	5%	8,264	56	F	F	4,603	5%	3,665	5%	8,267	56	F	F	4,603	5%	3,665	5%	8,267	56	F	F
Bellambi Ln	Princes Hwy	Northern Dist.	229	11%	301	9%	530	57	A	A	252	19%	326	16%	578	56	A	A	228	11%	300	9%	528	57	A	A	228	11%	300	9%	528	57	A	A
Northern Dist.	Bellambi Ln	Railway St	1,110	3%	1,796	5%	2,906	62	B	C	1,110	3%	1,804	5%	2,914	62	B	C	1,113	3%	1,798	5%	2,911	62	B	C	1,113	3%	1,798	5%	2,911	62	B	C
Northern Dist.	Railway St	Southern Fwy	1,110	3%	1,796	5%	2,906	62	B	C	1,110	3%	1,804	5%	2,914	62	B	C	1,113	3%	1,798	5%	2,911	62	B	C	1,113	3%	1,798	5%	2,911	62	B	C
Masters Rd	Southern Fwy	Springhill Rd	670	11%	1,856	5%	2,527	73	A	A	671	11%	1,866	5%	2,538	74	A	A	678	12%	1,862	5%	2,541	73	A	A	678	12%	1,862	5%	2,541	73	A	A
Springhill Rd	Masters Rd	Port Kembla Rd	782	2%	624	3%	1,405	56	A	A	787	3%	630	4%	1,416	56	A	A	790	3%	631	4%	1,420	56	A	A	790	3%	631	4%	1,420	56	A	A
Springhill Rd	Masters Rd	Entry Road	782	2%	624	3%	1,405	56	A	A	787	3%	630	4%	1,416	56	A	A	790	3%	631	4%	1,420	56	A	A	790	3%	631	4%	1,420	56	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekday PM Peak Hour

Location	Scenario No. 23										Scenario No. 24										Scenario No. 25									
	2018 / 10mtpa @ 24/7/8:15/5-10/Z					2018 / 4mtpa @ 24/7					2018 / 10mtpa @ 24/7					2018 / 10mtpa @ 24/7					2018 / 10mtpa @ 24/7									
	To PKCT	From PKCT	% HV	Veh/hr	LoS	Both	dir. split	to PKCT	from PKCT	LoS	To PKCT	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	LoS	To PKCT	From PKCT	% HV	Veh/hr	Both	dir. split	to PKCT	from PKCT	LoS		
Appin Rd	West Cliff Mine	and	Appin Rd	West Cliff Mine	838	10%	358	16%	1,196	70	D	B	B	833	9%	351	15%	1,184	70	D	B	B	838	10%	358	16%	1,196	70	D	B
Appin Rd	West Cliff Mine	and	Appin Rd	West Cliff Mine	838	10%	358	16%	1,196	70	D	B	B	833	9%	351	15%	1,184	70	D	B	B	838	10%	358	16%	1,196	70	D	B
Appin Rd	Dharawal CE	and	Appin Rd	Dharawal CE	838	10%	358	16%	1,196	70	D	C	C	833	9%	351	15%	1,184	70	D	C	C	838	10%	358	16%	1,196	70	D	C
Appin Rd	No. 10A Fire Rd	and	Appin Rd	No. 10A Fire Rd	838	10%	358	16%	1,196	70	E	C	C	833	9%	351	15%	1,184	70	E	C	C	838	10%	358	16%	1,196	70	E	C
Mount Ousley Rd	Appin Rd	and	Mount Ousley Rd	Appin Rd	2,300	8%	1,868	8%	4,167	55	D	C	C	2,296	7%	1,864	8%	4,159	55	D	C	C	2,300	8%	1,868	8%	4,167	55	D	C
Mount Ousley Rd	Picton Rd	and	Mount Ousley Rd	Picton Rd	2,300	8%	1,868	8%	4,167	55	D	C	C	2,296	7%	1,864	8%	4,159	55	D	C	C	2,300	8%	1,868	8%	4,167	55	D	C
Southern Fwy	Mount Ousley Rd	and	Southern Fwy	Mount Ousley Rd	4,242	6%	3,526	6%	7,767	55	F	F	F	4,224	6%	3,504	6%	7,727	55	F	F	F	4,234	6%	3,516	6%	7,749	55	F	F
Southern Fwy	Northern Dist.	and	Southern Fwy	Northern Dist.	4,242	6%	3,526	6%	7,767	55	D	C	C	4,224	6%	3,504	6%	7,727	55	D	C	C	4,234	6%	3,516	6%	7,749	55	D	C
Southern Fwy	Princes Hwy	and	Southern Fwy	Princes Hwy	4,670	6%	3,685	6%	8,304	56	F	F	F	4,602	5%	3,663	5%	8,264	56	F	F	F	4,612	5%	3,675	5%	8,286	56	F	F
Bellambi Ln	Princes Hwy	and	Bellambi Ln	Princes Hwy	250	18%	322	15%	572	56	A	A	A	226	10%	299	9%	525	57	A	A	A	239	15%	312	13%	551	57	A	A
Northern Dist.	Northern Dist.	and	Northern Dist.	Northern Dist.	1,126	4%	1,813	6%	2,939	62	B	C	C	1,112	3%	1,796	5%	2,908	62	B	C	C	1,118	4%	1,803	5%	2,921	62	B	C
Northern Dist.	Railway St	and	Northern Dist.	Railway St	1,126	4%	1,813	6%	2,939	62	B	C	C	1,112	3%	1,796	5%	2,908	62	B	C	C	1,118	4%	1,803	5%	2,921	62	B	C
Masters Rd	Southern Fwy	and	Masters Rd	Southern Fwy	695	14%	1,882	6%	2,578	73	A	A	A	677	12%	1,860	5%	2,538	73	A	A	A	687	13%	1,872	6%	2,560	73	A	A
Springhill Rd	Port Kembla Rd	and	Springhill Rd	Port Kembla Rd	807	5%	649	6%	1,455	55	A	A	A	788	3%	629	3%	1,416	56	A	A	A	798	4%	640	5%	1,437	55	A	A
Springhill Rd	Masters Rd	and	Springhill Rd	Masters Rd	807	5%	649	6%	1,455	55	A	A	A	788	3%	629	3%	1,416	56	A	A	A	798	4%	640	5%	1,437	55	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 01 2008 / 0mtpa @ No CT						Scenario No. 02 2008 / 4mtpa @ Current						Scenario No. 03 2008 / 4mtpa @ 11/6						Scenario No. 04 2008 / 4mtpa @ 24/7@15/5-10/2							
	To PKCT		From PKCT		Both		To PKCT		From PKCT		Both		To PKCT		From PKCT		Both		To PKCT		From PKCT		Both			
	Veh/hr	% HV	Veh/hr	% HV	dir. split	LoS	Veh/hr	% HV	Veh/hr	% HV	dir. split	LoS	Veh/hr	% HV	Veh/hr	% HV	dir. split	LoS	Veh/hr	% HV	Veh/hr	% HV	dir. split	LoS		
Street	between	and																								
Appin Rd	Appin Mine	West Cliff Mine	501	2%	369	3%	870	58	C	B	518	5%	389	8%	907	57	C	B	518	5%	389	8%	907	57	C	B
Appin Rd	West Cliff Mine	Dharawal CE	501	2%	369	3%	870	58	C	B	518	5%	389	8%	907	57	C	B	518	5%	389	8%	907	57	C	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	501	2%	369	3%	870	58	C	C	518	5%	389	8%	907	57	C	C	518	5%	389	8%	907	57	C	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	501	2%	369	3%	870	58	C	C	518	5%	389	8%	907	57	C	C	518	5%	389	8%	907	57	C	C
Mount Ousley Rd	Appin Rd	Picton Rd	1,291	4%	2,023	3%	3,313	61	B	C	1,293	4%	2,027	3%	3,319	61	B	C	1,293	4%	2,027	3%	3,319	61	B	C
Mount Ousley Rd	Picton Rd	Southern Fwy	1,291	4%	2,023	3%	3,313	61	B	B	1,293	4%	2,027	3%	3,319	61	B	B	1,293	4%	2,027	3%	3,319	61	B	B
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,648	4%	2,574	4%	5,221	51	B	E	2,678	5%	2,607	5%	5,284	51	B	E	2,675	5%	2,605	5%	5,279	51	B	E
Southern Fwy	Northern Dist.	Princes Hwy	2,648	4%	2,574	4%	5,221	51	B	B	2,678	5%	2,607	5%	5,284	51	B	B	2,675	5%	2,605	5%	5,279	51	B	B
Southern Fwy	Princes Hwy	Masters Rd	2,502	4%	2,481	3%	4,982	50	C	C	2,532	5%	2,514	5%	5,045	50	C	C	2,529	5%	2,512	5%	5,040	50	C	C
Bellambi Ln	Princes Hwy	Northern Dist.	473	4%	429	3%	902	52	A	A	482	6%	437	5%	919	52	A	A	479	5%	435	5%	914	52	A	A
Northern Dist.	Bellambi Ln	Railway St	843	2%	805	7%	1,648	51	B	B	852	3%	813	8%	1,665	51	B	B	849	3%	811	8%	1,660	51	B	B
Northern Dist.	Railway St	Southern Fwy	843	2%	805	7%	1,648	51	B	B	852	3%	813	8%	1,665	51	B	B	849	3%	811	8%	1,660	51	B	B
Masters Rd	Southern Fwy	Springhill Rd	451	8%	856	4%	1,307	65	A	A	476	13%	885	7%	1,361	65	A	A	474	12%	882	6%	1,356	65	A	A
Springhill Rd	Masters Rd	Port Kembla Rd	499	2%	520	2%	1,018	51	A	A	524	7%	549	7%	1,072	51	A	A	522	7%	546	7%	1,067	51	A	A
Springhill Rd	Masters Rd	Entry Road	499	2%	520	2%	1,018	51	A	A	524	7%	549	7%	1,072	51	A	A	522	7%	546	7%	1,067	51	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 05 2008 / 4mtpa @ 24/7										Scenario No. 06 2009 / 0mtpa @ No CT										Scenario No. 07 2009 / 4mtpa @ Current									
	between					and					from PKCT					to PKCT					from PKCT					to PKCT				
	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	LoS		
Appin Rd	Appin Mine	West Cliff Mine	514	0	386	0	900	57	C	B																				
Appin Rd	West Cliff Mine	Dharawal CE	514	0	386	0	900	57	C	B																				
Appin Rd	Dharawal CE	No. 10A Fire Rd	514	0	386	0	900	57	C	C																				
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	514	0	386	0	900	57	C	C																				
Mount Ousley Rd	Appin Rd	Picton Rd	1,297	0	2,032	0	3,328	61	B	C																				
Mount Ousley Rd	Picton Rd	Southern Fwy	1,297	0	2,032	0	3,328	61	B	C																				
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,666	0	2,592	0	5,257	51	E	E																				
Southern Fwy	Northern Dist.	Princes Hwy	2,666	0	2,592	0	5,257	51	B	B																				
Southern Fwy	Princes Hwy	Masters Rd	2,570	0	2,499	0	5,018	50	C	C																				
Bellambi Ln	Princes Hwy	Northern Dist.	476	4%	432	4%	908	52	A	A	182	4%	201	3%	383	52	A	A	191	8%	209	7%	400	52	A	A				
Northern Dist.	Bellambi Ln	Railway St	846	3%	808	8%	1,654	51	B	B	885	2%	845	7%	1,730	51	B	B	894	3%	853	8%	1,747	51	B	B				
Northern Dist.	Railway St	Southern Fwy	846	3%	808	8%	1,654	51	B	B	885	2%	845	7%	1,730	51	B	B	894	3%	853	8%	1,747	51	B	B				
Masters Rd	Southern Fwy	Springhill Rd	468	0	877	0	1,345	65	A	A																				
Springhill Rd	Masters Rd	Port Kembla Rd	516	0	541	0	1,056	51	A	A																				
Springhill Rd	Masters Rd	Entry Road	516	0	541	0	1,056	51	A	A																				

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 08 2009 / 4mtpa @ 11/6						Scenario No. 09 2009 / 5mtpa @ 11/6						Scenario No. 10 2009 / 5mtpa @ 24/7/8.15/5-10/2													
	To PKCT		Both		from PKCT		To PKCT		Both		from PKCT		To PKCT		Both		from PKCT									
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	LoS	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	LoS	Veh/hr	% HV	Veh/hr	dir. split	to PKCT	LoS						
Street	between	and																								
Appin Rd	Appin Mine	West Cliff Mine																								
Appin Rd	West Cliff Mine	Dharawal CE																								
Appin Rd	Dharawal CE	No. 10A Fire Rd																								
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd																								
Mount Ousley Rd	Appin Rd	Picton Rd																								
Mount Ousley Rd	Picton Rd	Southern Fwy																								
Southern Fwy	Mount Ousley Rd	Northern Dist.																								
Southern Fwy	Northern Dist.	Princes Hwy																								
Southern Fwy	Princes Hwy	Masters Rd																								
Bellambi Ln	Princes Hwy	Northern Dist.	188	7%	207	6%	395	52	A	A	189	7%	208	7%	397	52	A	A	187	6%	206	6%	393	52	A	A
Northern Dist.	Bellambi Ln	Railway St	891	3%	851	8%	1,742	51	B	B	892	3%	852	8%	1,744	51	B	B	890	3%	850	8%	1,740	51	B	B
Northern Dist.	Railway St	Southern Fwy	891	3%	851	8%	1,742	51	B	B	892	3%	852	8%	1,744	51	B	B	890	3%	850	8%	1,740	51	B	B
Masters Rd	Southern Fwy	Springhill Rd																								
Springhill Rd	Masters Rd	Port Kembla Rd																								
Springhill Rd	Masters Rd	Entry Road																								

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 11										Scenario No. 12										Scenario No. 13									
	2009 / 5mtpa @ 24/7					2013 / 0mtpa @ No CT					2013 / 0mtpa @ No CT					2013 / 4mtpa @ 11/6														
	To PKCT	Veh/hr	% HV	dir. split	LoS	To PKCT	Veh/hr	% HV	From PKCT	Veh/hr	% HV	Both	dir. split	LoS	To PKCT	Veh/hr	% HV	From PKCT	Veh/hr	% HV	Both	dir. split	LoS							
Street	between	and																												
Appin Rd	Appin Mine	West Cliff Mine				553	2%	408	3%	961	58	58	C	B	570	5%	428	7%	998	57	57	C	B							
Appin Rd	West Cliff Mine	Dharawal CE			553	2%	408	3%	961	58	58	C	B	570	5%	428	7%	998	57	57	C	B								
Appin Rd	Dharawal CE	No. 10A Fire Rd			553	2%	408	3%	961	58	58	C	C	570	5%	428	7%	998	57	57	C	C								
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd			553	2%	408	3%	961	58	58	C	C	570	5%	428	7%	998	57	57	C	C								
Mount Ousley Rd	Appin Rd	Picton Rd			1,422	4%	2,228	3%	3,650	61	B	D	D	1,424	4%	2,232	3%	3,656	61	B	D	D								
Mount Ousley Rd	Picton Rd	Southern Fwy			1,422	4%	2,228	3%	3,650	61	C	C	C	1,424	4%	2,232	3%	3,656	61	B	C	C								
Southern Fwy	Mount Ousley Rd	Northern Dist.			2,917	4%	2,836	4%	5,753	51	E	E	E	2,944	5%	2,867	5%	5,811	51	F	E	E								
Southern Fwy	Northern Dist.	Princes Hwy			2,917	4%	2,836	4%	5,753	51	C	C	C	2,944	5%	2,867	5%	5,811	51	C	C	C								
Southern Fwy	Princes Hwy	Masters Rd			2,869	4%	2,844	4%	5,713	50	D	D	D	2,896	5%	2,875	5%	5,771	50	D	D	D								
Bellambi Ln	Princes Hwy	Northern Dist.			186	6%	205	5%	391	52	A	A	A	195	7%	215	6%	410	52	A	A	A								
Northern Dist.	Bellambi Ln	Railway St			889	3%	849	8%	1,738	51	B	B	B	1,059	3%	1,012	8%	2,071	51	B	B	B								
Northern Dist.	Railway St	Southern Fwy			889	3%	849	8%	1,738	51	B	B	B	1,059	3%	1,012	8%	2,071	51	B	B	B								
Masters Rd	Southern Fwy	Springhill Rd			515	8%	883	5%	1,397	63	A	A	A	542	12%	914	8%	1,455	63	A	A	A								
Springhill Rd	Masters Rd	Port Kembla Rd			499	2%	520	2%	1,018	51	A	A	A	522	7%	546	7%	1,067	51	A	A	A								
Springhill Rd	Masters Rd	Entry Road			499	2%	520	2%	1,018	51	A	A	A	522	7%	546	7%	1,067	51	A	A	A								

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 14						Scenario No. 15						Scenario No. 16													
	2013 / 10mtpa @ 11/6						2013 / 4mtpa @ 24/7/8/15/5-10/2						2013 / 10mtpa @ 24/7/8/15/5-10/2													
	To PKCT	From PKCT	% HV	Veh/hr	dir. split	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	LoS								
Street	between	and																								
Appin Rd	Appin Mine	West Cliff Mine	578	6%	439	10%	1,017	57	C	B	566	4%	425	7%	991	57	C	B	573	5%	433	9%	1,006	57	C	B
Appin Rd	West Cliff Mine	Dharawal CE	578	6%	439	10%	1,017	57	C	B	566	4%	425	7%	991	57	C	B	573	5%	433	9%	1,006	57	C	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	578	6%	439	10%	1,017	57	C	C	566	4%	425	7%	991	57	C	C	573	5%	433	9%	1,006	57	C	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	578	6%	439	10%	1,017	57	C	C	566	4%	425	7%	991	57	C	C	573	5%	433	9%	1,006	57	C	C
Mount Ousley Rd	Appin Rd	Picton Rd	1,425	4%	2,234	3%	3,659	61	B	D	1,428	4%	2,237	3%	3,665	61	B	D	1,432	5%	2,241	4%	3,673	61	B	D
Mount Ousley Rd	Picton Rd	Southern Fwy	1,425	4%	2,234	3%	3,659	61	B	C	1,428	4%	2,237	3%	3,665	61	B	C	1,432	5%	2,241	4%	3,673	61	B	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,978	6%	2,904	7%	5,882	51	F	E	2,936	5%	2,856	5%	5,792	51	F	E	2,960	6%	2,882	6%	5,842	51	C	C
Southern Fwy	Northern Dist.	Princes Hwy	2,978	6%	2,904	7%	5,882	51	C	C	2,936	5%	2,856	5%	5,792	51	C	C	2,960	6%	2,882	6%	5,842	51	C	C
Southern Fwy	Princes Hwy	Masters Rd	2,930	6%	2,912	6%	5,842	50	D	D	2,888	5%	2,864	4%	5,752	50	D	D	2,912	5%	2,890	5%	5,802	50	D	D
Bellambi Ln	Northern Dist.	Northern Dist.	220	17%	239	15%	459	52	A	A	193	6%	214	6%	407	53	A	A	209	13%	232	13%	441	53	A	A
Northern Dist.	Bellambi Ln	Railway St	1,084	5%	1,036	10%	2,120	51	B	B	1,057	3%	1,011	8%	2,068	51	B	B	1,073	4%	1,029	10%	2,102	51	B	B
Northern Dist.	Railway St	Southern Fwy	1,084	5%	1,036	10%	2,120	51	B	B	1,057	3%	1,011	8%	2,068	51	B	B	1,073	4%	1,029	10%	2,102	51	B	B
Masters Rd	Southern Fwy	Springhill Rd	576	17%	952	12%	1,527	62	A	A	534	11%	902	7%	1,435	63	A	A	558	15%	927	9%	1,484	62	A	A
Springhill Rd	Masters Rd	Port Kembla Rd	550	11%	578	12%	1,127	51	A	A	517	6%	541	6%	1,057	51	A	A	540	10%	564	10%	1,103	51	A	A
Springhill Rd	Masters Rd	Entry Road	550	11%	578	12%	1,127	51	A	A	517	6%	541	6%	1,057	51	A	A	540	10%	564	10%	1,103	51	A	A

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 17 2013 / 4mtpa @ 24/7						Scenario No. 18 2013 / 10mtpa @ 24/7						Scenario No. 19 2018 / 0mtpa @ No CT															
	To PKCT		From PKCT		Both		To PKCT		From PKCT		Both		To PKCT		From PKCT		Both											
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV										
Street	between	and	from PKCT	to PKCT	dir. split	Both	from PKCT	to PKCT	dir. split	Both	from PKCT	to PKCT	dir. split	Both	from PKCT	to PKCT	dir. split	Both										
Appin Rd	Appin Mine	West Cliff Mine	566	4%	425	7%	991	57	57	C	B	573	5%	433	9%	1,006	57	57	C	B	607	2%	447	3%	1,054	58	C	B
Appin Rd	West Cliff Mine	Dharawal CE	566	4%	425	7%	991	57	57	C	B	573	5%	433	9%	1,006	57	57	C	B	607	2%	447	3%	1,054	58	C	B
Appin Rd	Dharawal CE	No. 10A Fire Rd	566	4%	425	7%	991	57	57	C	C	573	5%	433	9%	1,006	57	57	C	C	607	2%	447	3%	1,054	58	C	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	566	4%	425	7%	991	57	57	C	C	573	5%	433	9%	1,006	57	57	C	C	607	2%	447	3%	1,054	58	C	C
Mount Ousley Rd	Appin Rd	Picton Rd	1,428	4%	2,237	3%	3,665	61	B	D	1,432	5%	2,241	4%	3,673	61	B	D	1,554	4%	2,433	3%	3,986	61	C	D	D	D
Mount Ousley Rd	Picton Rd	Southern Fwy	1,428	4%	2,237	3%	3,665	61	B	C	1,432	5%	2,241	4%	3,673	61	B	C	1,554	4%	2,433	3%	3,986	61	C	C	C	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	2,935	5%	2,854	5%	5,789	51	C	F	E	2,958	6%	2,877	6%	5,835	51	C	F	E	3,186	4%	3,098	5%	6,283	51	C	C
Southern Fwy	Northern Dist.	Princes Hwy	2,935	5%	2,854	5%	5,789	51	C	C	2,958	6%	2,877	6%	5,835	51	C	C	3,186	4%	3,098	5%	6,283	51	C	C		
Southern Fwy	Princes Hwy	Masters Rd	2,887	5%	2,862	4%	5,749	50	D	D	2,910	5%	2,885	5%	5,795	50	D	D	3,234	4%	3,205	4%	6,438	50	E	E		
Bellambi Ln	Princes Hwy	Northern Dist.	192	3%	212	5%	404	52	A	A	207	12%	227	11%	434	52	A	A	199	4%	219	4%	418	52	A	A		
Northern Dist.	Bellambi Ln	Railway St	1,056	3%	1,009	8%	2,065	51	B	B	1,071	4%	1,024	9%	2,095	51	B	B	1,263	2%	1,206	7%	2,469	51	B	B		
Northern Dist.	Railway St	Southern Fwy	1,056	3%	1,009	8%	2,065	51	B	B	1,071	4%	1,024	9%	2,095	51	B	B	1,263	2%	1,206	7%	2,469	51	B	B		
Masters Rd	Southern Fwy	Springhill Rd	533	11%	901	7%	1,433	63	A	A	535	9%	562	10%	1,096	51	A	A	499	2%	520	2%	1,018	51	A	A		
Springhill Rd	Masters Rd	Port Kembla Rd	516	6%	541	6%	1,056	51	A	A	535	9%	562	10%	1,096	51	A	A	499	2%	520	2%	1,018	51	A	A		
Springhill Rd	Masters Rd	Entry Road	516	6%	541	6%	1,056	51	A	A	535	9%	562	10%	1,096	51	A	A	499	2%	520	2%	1,018	51	A	A		

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location Street	Scenario No. 20 2018 / 4mtpa @ 11/6										Scenario No. 21 2018 / 10mtpa @ 11/6										Scenario No. 22 2018 / 4mtpa @ 24/7@15/5-10/2									
	between					and					between					and					between					and				
	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	to PKCT	from PKCT	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	to PKCT	from PKCT	LoS	To PKCT	From PKCT	% HV	Veh/hr	dir. split	Both	to PKCT	from PKCT	LoS			
Appin Rd	Appin Mine	West Cliff Mine	624	5%	467	7%	1,091	57	C	C	632	6%	478	9%	1,110	57	C	C	620	4%	464	7%	1,084	57	C	C	C			
Appin Rd	West Cliff Mine	Dharawal CE	624	5%	467	7%	1,091	57	C	C	632	6%	478	9%	1,110	57	C	C	620	4%	464	7%	1,084	57	C	C	C			
Appin Rd	Dharawal CE	No. 10A Fire Rd	624	5%	467	7%	1,091	57	D	D	632	6%	478	9%	1,110	57	D	D	620	4%	464	7%	1,084	57	D	D	C			
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	624	5%	467	7%	1,091	57	C	C	632	6%	478	9%	1,110	57	D	D	620	4%	464	7%	1,084	57	C	C	C			
Mount Ousley Rd	Appin Rd	Picton Rd	1,556	4%	2,437	3%	3,992	61	C	D	1,557	4%	2,439	3%	3,995	61	C	D	1,560	5%	2,442	3%	4,001	61	C	D	D			
Mount Ousley Rd	Picton Rd	Southern Fwy	1,556	4%	2,437	3%	3,992	61	B	C	1,557	4%	2,439	3%	3,995	61	B	C	1,560	5%	2,442	3%	4,001	61	B	C	C			
Southern Fwy	Mount Ousley Rd	Northern Dist.	3,213	5%	3,129	5%	6,341	51	C	C	3,247	6%	3,166	7%	6,412	51	C	C	3,205	5%	3,118	5%	6,322	51	F	E	E			
Southern Fwy	Northern Dist.	Princes Hwy	3,261	5%	3,236	5%	6,496	50	E	E	3,295	6%	3,273	6%	6,567	50	E	E	3,253	5%	3,225	4%	6,477	50	E	E	C			
Southern Fwy	Princes Hwy	Masters Rd	205	7%	225	6%	430	52	A	A	230	17%	249	15%	479	52	A	A	203	6%	224	6%	427	52	A	A	A			
Bellambi Ln	Northern Dist.	Northern Dist.	1,269	3%	1,212	8%	2,481	51	B	B	1,294	5%	1,236	10%	2,530	51	B	B	1,267	3%	1,211	8%	2,478	51	B	B	B			
Northern Dist.	Bellambi Ln	Railway St	1,269	3%	1,212	8%	2,481	51	B	B	1,294	5%	1,236	10%	2,530	51	B	B	1,267	3%	1,211	8%	2,478	51	B	B	B			
Northern Dist.	Railway St	Southern Fwy	543	13%	915	8%	1,459	63	A	A	577	18%	953	12%	1,531	62	A	A	535	11%	903	7%	1,439	63	A	A	A			
Masters Rd	Southern Fwy	Springhill Rd	522	7%	546	7%	1,067	51	A	A	550	11%	578	12%	1,127	51	A	A	517	6%	541	6%	1,057	51	A	A	A			
Springhill Rd	Masters Rd	Port Kembla Rd	522	7%	546	7%	1,067	51	A	A	550	11%	578	12%	1,127	51	A	A	517	6%	541	6%	1,057	51	A	A	A			
Springhill Rd	Masters Rd	Entry Road	522	7%	546	7%	1,067	51	A	A	550	11%	578	12%	1,127	51	A	A	517	6%	541	6%	1,057	51	A	A	A			

PKCT EA ROAD HAULAGE REVIEW
SCENARIO ROAD CAPACITY & LOS
Average Weekend PM Peak Hour

Location	Scenario No. 23 2018 / 10mtpa @ 24/7@15/5-10/2						Scenario No. 24 2018 / 4mtpa @ 24/7						Scenario No. 25 2018 / 10mtpa @ 24/7													
	between		and		from PKCT		to PKCT		from PKCT		to PKCT		from PKCT		to PKCT		from PKCT		to PKCT							
	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV	Veh/hr	% HV						
Appin Rd	Appin Mine	West Cliff Mine	627	5%	472	8%	1,099	57	C	C	620	4%	464	7%	1,084	57	C	C	627	5%	472	8%	1,099	57	C	C
Appin Rd	West Cliff Mine	Dharawal CE	627	5%	472	8%	1,099	57	C	C	620	4%	464	7%	1,084	57	C	C	627	5%	472	8%	1,099	57	C	C
Appin Rd	Dharawal CE	No. 10A Fire Rd	627	5%	472	8%	1,099	57	D	C	620	4%	464	7%	1,084	57	D	C	627	5%	472	8%	1,099	57	D	C
Appin Rd	No. 10A Fire Rd	Mount Ousley Rd	627	5%	472	8%	1,099	57	C	C	620	4%	464	7%	1,084	57	C	C	627	5%	472	8%	1,099	57	C	C
Mount Ousley Rd	Appin Rd	Picton Rd	1,564	5%	2,446	4%	4,009	61	C	D	1,560	5%	2,442	3%	4,001	61	C	D	1,564	5%	2,446	4%	4,009	61	C	D
Mount Ousley Rd	Picton Rd	Southern Fwy	1,564	5%	2,446	4%	4,009	61	B	C	1,560	5%	2,442	3%	4,001	61	B	C	1,564	5%	2,446	4%	4,009	61	B	C
Southern Fwy	Mount Ousley Rd	Northern Dist.	3,229	6%	3,144	6%	6,372	51	F	E	3,204	5%	3,116	5%	6,319	51	F	E	3,227	6%	3,139	6%	6,365	51	F	E
Southern Fwy	Northern Dist.	Princes Hwy	3,229	6%	3,144	6%	6,372	51	C	C	3,204	5%	3,116	5%	6,319	51	C	C	3,227	6%	3,139	6%	6,365	51	C	C
Southern Fwy	Princes Hwy	Masters Rd	3,277	5%	3,251	5%	6,527	50	E	E	3,252	5%	3,223	4%	6,474	50	E	E	3,275	5%	3,246	5%	6,520	50	E	E
Bellambi Ln	Northern Dist.	Northern Dist.	219	13%	242	13%	461	52	A	A	202	5%	222	5%	424	52	A	A	217	12%	237	11%	454	52	A	A
Northern Dist.	Bellambi Ln	Railway St	1,283	4%	1,229	9%	2,512	51	B	B	1,266	3%	1,209	8%	2,475	51	B	B	1,281	4%	1,224	9%	2,505	51	B	B
Northern Dist.	Railway St	Southern Fwy	1,283	4%	1,229	9%	2,512	51	B	B	1,266	3%	1,209	8%	2,475	51	B	B	1,281	4%	1,224	9%	2,505	51	B	B
Masters Rd	Southern Fwy	Springhill Rd	559	15%	928	10%	1,488	62	A	A	534	11%	902	7%	1,437	63	A	A	557	15%	925	9%	1,483	62	A	A
Springhill Rd	Masters Rd	Port Kembla Rd	540	10%	564	10%	1,103	51	A	A	516	6%	541	6%	1,056	51	A	A	535	9%	562	10%	1,096	51	A	A
Springhill Rd	Port Kembla Rd	Entry Road	540	10%	564	10%	1,103	51	A	A	516	6%	541	6%	1,056	51	A	A	535	9%	562	10%	1,096	51	A	A