

Response by the NSW Electoral Commission to Observations of Bias in iVote results

Introduction

Several articles have been published in the media since the NSW State General Election in March 2015 (SGE 2015) about apparent bias exhibited by voters using the iVote channel when voting above the line in the Legislative Council (LC) election. The bias was noted when comparing the percentage of iVotes taken for a group compared with votes taken for the same group using all other voting channels.

Below are two articles which discussed this issue:

- <http://blogs.abc.net.au/antonygreen/2015/04/does-electronic-voting-increase-the-donkey-vote.html>
- The Australian - NSW election: Left-leaning bias distorted the net vote (attached below)

Background

The influence of ballot paper layout on voting has been known for a long time. The term “donkey vote”¹ was in fact created to reflect a positional bias which favoured the voters at the top of the ballot. It is therefore acknowledged that the format and even size of the ballot can impact the way voters actually vote. Given iVote uses devices which have different form factors that create a “window” effect over the ballot and also iVote ballots are rendered differently to that normally seen using paper, it is not surprising that the iVote voter behaviour appears to be slightly influenced by the iVote user interface.

The NSWEC acknowledges that there appears to be a bias towards groups in the top left of the LC ballot paper in the iVote channel compared to other voting channels. This bias is evident when reviewing Appendix B table “Ratio of Group ATL First Preference Vote % to Average % by Voting Channel” where the first four above the line voting squares show a markedly higher first preference vote for the iVote channel compared to the average votes for all channels.

The NSWEC believes that this bias is probably due to the way in which the iVote user interface was implemented for SGE 2015. The user interface placed the user’s initial viewing window on the top left of the ballot paper. Though users were encouraged to scroll both vertically and horizontally it appears that this was not done by all users.

¹ A donkey vote occurs when an elector simply numbers the ballot paper from top to bottom (or bottom to top) without regard to the logic of the preference allocation. A donkey vote is counted as a valid vote because it contains a number “1” and has numbered every square in sequential order.

The same approach to the user interface was taken in 2011, when iVote was first used, but no evidence of similar bias was found. This may have been due to the 2011 system not having a mobile specific interface. Now the bias is known and the NSWEC believes it understands the cause, a solution would be relatively simple to devise and implement.

It should be noted that the bias noted at SGE 2015 was not significant enough to have had a material effect on the election outcome.

Solution to LC Bias

In all NSW elections and most other elections in Australia², every ballot paper in an election is identical, with the candidates' names and their party groups (if any) in the same order. Within the party or group ticket, the order of their candidates' names is decided by the group. The order of the groups on the ballot is usually determined by lot, by the authority running the election.

To overcome the problems created by donkey voting, some jurisdictions have implemented the Robson Rotation method which requires ballot papers to be printed in equal-sized batches, with each batch having a different candidate's name appearing at prescribed positions in the party columns on those ballots. As a consequence, there are a number of possible permutations of where candidates' names appear on the various version of the ballot paper. While that doesn't eliminate donkey voting, it spreads its effect more-or-less equally to all the candidates standing for election.

Although Robson rotation removes elector bias it is not well liked by parties and candidates because it is difficult to provide advice to electors on how to vote. A better solution of NSW iVote system is to introduce a randomised initial screen window position over the LC ballot when users commence voting. This approach should help to counter the apparent current bias effect of iVote when voting for the LC.

The effect of this approach is that some users will start with a view point on the right hand side of the paper, others will start in the middle of the paper, and others will start at the left hand side. The NSWEC is confident that such an enhancement to the iVote system will remove the bias discussed above and will be in place for the next use of the LC election in 2019.

Voting Patterns

Many commentators have also made observations about other bias in voting patterns in channels other than iVote. This section will address some of these observations and comment on the relative homogeneity of iVote voting patterns by voting channel.

The appendices attached to this response document contain an analysis of voting patterns for all voting channels at the 2015 election including iVote for both the upper and lower house.

² Australian Capital Territory and Tasmanian elections use Robinson Rotation

ALP/CLP/GRN

The ALP/CL typically have a weaker vote in the iVote channel. However, they perform better in the pre-poll and in polling places which follows the LC.

The Australian political commentator Mark Coultan reported (see below article) that “Labor Party source said the party had done well among iVoters in the lower house, suggesting there was a problem with the voting system in the upper house”. This comment is not fully supported by NSWEC results data analysis.

The last page of Appendix A shows a state-wide lower house LA results analysis that indicates that the ALP/CLP across the state was 3.1% less than the state average for all other channels. Appendix B shows the ALP/CLP for the LC was 6% less than the state average for all other channels. Therefore, the ALP/CLP does not do well in either the lower or upper house in the iVote channel. This is probably due to the current eligibility groups for iVote and was consistent with the 2011 election results.

It is interesting to note that the ALP/CLP appears to do better in the iVote channel for LA elections in districts where the LIB/NP have a strong first preference vote but not so well when the dominant vote is for ALP/CLP.

The ALP/CLP vote is strongest in the pre-polls consistently for both upper and lower house.

It is also worth noting that the GRN vote is better in the iVote channel and this vote often is distributed to the ALP/CLP if they win the election.

LIB/NP

The LIB/NP are typically neutral in the iVote channel but perform well in the postal vote channel. This is probably due to the number of postal applications the LIB/NP sent out. Their performance is worse in the absent vote channel.

NSW election: Left-leaning bias distorted the net vote

THE AUSTRALIAN
MAY 15, 2015 12:00AM

[Mark Coultan](#) State political correspondent Sydney

The NSW Electoral Commission will change the way it conducts electronic voting after an analysis showed that parties on the left of the ballot paper received a much bigger donkey vote than with traditional paper-based voting.

Analysis showed that the first four parties on the NSW Upper House ballot paper appeared to gain an advantage over parties that drew positions on the right.

The problem seems to lie with voters having to scroll across the screen to vote for parties on the right hand side of the paper. Depending on the width and size of the user's screen, only parties in the first four to seven columns appeared when a voter logged in.

The biggest loser was the Labor Party, which drew the 11th column on the ballot paper. It recorded almost 20 per cent less votes among ivoters than among ordinary booth voters. Its upper house ivote was a very low 25 per cent, 6 per cent lower than its overall Upper House vote.

A Labor Party source said the party had done well among ivoters in the lower house, suggesting there was a problem with the voting system in the upper house.

The Liberal Party, which had the fifth column on the ballot paper, had similar proportions of ivoters and ordinary voters.

The No Land Tax Party, which drew the first position on the paper, received a donkey vote bonus far greater than usual among paper-based voters. It -received double the per cent of ivoters than it did among those who visited a polling booth, getting 1.7 per cent of the overall vote in the upper house, but 4 per cent of ivotes.

The Outdoor Recreation Party, which had second position on the ballot paper, did even better, getting almost 2½ times the percentage of votes it did at the physical ballot box.

In fact, the first four parties on the ballot received significantly more ivotes in percentage terms than it did by the traditional means of voting.

The exception was the Greens, which although drawing a position on the right-hand side of the ballot paper, still got a bigger percentage of ivotes than ordinary votes. This could be explained by younger and overseas voters, among whom the Greens do well, using the ivote system.

It is not unusual for different voting methods to show bias towards certain parties. The Liberals dominate postal votes.

To counter the effect demonstrated by the ivote system, the NSW Electoral Commission intends to introduce a randomised screen position when voters log in to ivote.

Some will see the right hand side of the paper, others will see the middle of the paper, and others the left hand side.

Although many Australian states have experimented with electronic voting, the NSW election was the first to see widespread use of the system, with 250,000 votes cast.

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP	FP	FP	FP	FP	FP	FP	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta	Delta	Delta	Delta	Delta	Delta
		Absent	iVote	Misc.	Place	Postal	Pre-poll	Total																				Votes Absent	Votes iVote	Votes Misc.	Votes Polling Place	Votes Postal	Votes Pre-poll
Albury	CDP	43	39	21	978	53	120	1254	3.5%	1.7%	3.4%	2.9%	1.9%	2.0%	2.7%	0.7%	-1.0%	0.7%	0.2%	-0.9%	-0.7%	1.28	0.63	1.25	1.08	0.69	0.75	9	-23	4	74	-24	-40
Albury	GRN	97	203	37	1832	150	284	2603	7.8%	8.9%	6.0%	5.5%	5.3%	4.8%	5.6%	2.2%	3.3%	0.4%	-0.1%	-0.4%	-0.8%	1.39	1.58	1.06	0.98	0.93	0.85	27	75	2	-45	-10	-49
Albury	LAB/CLP	348	659	200	10834	776	1867	14684	28.0%	28.9%	32.3%	32.4%	27.2%	31.5%	31.7%	-3.7%	-2.8%	0.6%	0.7%	-4.5%	-0.2%	0.88	0.91	1.02	1.02	0.86	1.00	-46	-65	4	246	-129	-9
Albury	LIB/NP	725	1321	348	19010	1819	3577	26800	58.2%	57.8%	56.1%	56.9%	63.7%	60.4%	57.8%	0.4%	0.0%	-1.7%	-0.9%	5.8%	2.6%	1.01	1.00	0.97	0.98	1.10	1.04	5	0	-11	-315	167	153
Albury	NLT	32	62	14	766	59	73	1006	2.6%	2.7%	2.3%	2.3%	2.1%	1.2%	2.2%	0.4%	0.5%	0.1%	0.1%	-0.1%	-0.9%	1.18	1.25	1.04	1.06	0.95	0.57	5	12	1	41	-3	-56
Auburn	CDP	211	153	28	1196	123	125	1836	7.5%	4.5%	4.1%	3.9%	6.0%	3.1%	4.2%	3.3%	0.3%	0.0%	-0.3%	1.8%	-1.1%	1.79	1.08	0.99	0.93	1.43	0.74	93	11	0	-95	37	-45
Auburn	GRN	229	335	66	1704	125	199	2658	8.1%	9.9%	9.8%	5.5%	6.1%	4.9%	6.1%	2.1%	3.8%	3.7%	-0.5%	0.0%	-1.2%	1.34	1.63	1.61	0.91	1.00	0.81	58	129	25	-166	0	-47
Auburn	IND	155	176	23	1690	194	219	2457	5.5%	5.2%	3.4%	5.5%	9.4%	5.4%	5.6%	-0.1%	-0.4%	-2.2%	-0.1%	3.8%	-0.2%	0.98	0.92	0.61	0.98	1.68	0.96	-3	-14	-15	-38	79	-8
Auburn	LAB/CLP	1143	1471	279	13935	888	1788	19504	40.6%	43.4%	41.3%	45.2%	43.2%	44.2%	44.5%	-3.9%	-1.2%	-3.2%	0.7%	-1.4%	-0.4%	0.91	0.97	0.93	1.02	0.97	0.99	-111	-40	-22	215	-28	-15
Auburn	LIB/NP	864	1104	229	11017	654	1603	15471	30.7%	32.6%	33.9%	35.8%	31.8%	39.6%	35.3%	-4.6%	-2.8%	-1.4%	0.4%	-3.5%	4.3%	0.87	0.92	0.96	1.01	0.90	1.12	-131	-94	-10	134	-73	173
Auburn	NLT	213	152	50	1256	72	114	1857	7.6%	4.5%	7.4%	4.1%	3.5%	2.8%	4.2%	3.3%	0.2%	3.2%	-0.2%	-0.7%	-1.4%	1.78	1.06	1.75	0.96	0.83	0.66	94	8	21	-50	-15	-58
Ballina	CDP	41	29	11	448	36	114	679	1.8%	1.1%	1.3%	1.6%	1.9%	1.1%	1.4%	0.4%	-0.4%	-0.2%	0.1%	0.4%	-0.4%	1.27	0.74	0.87	1.09	1.31	0.74	9	-10	-2	36	8	-41
Ballina	GRN	799	781	316	8603	319	2006	12824	35.3%	28.4%	35.9%	29.9%	16.6%	18.5%	27.0%	8.3%	1.4%	8.9%	2.8%	-10.5%	-8.5%	1.31	1.05	1.33	1.10	0.61	0.69	187	38	78	816	-202	-917
Ballina	IND	194	275	84	2831	176	974	4534	8.6%	10.0%	9.6%	9.8%	9.1%	9.0%	9.6%	-1.0%	0.4%	0.0%	0.3%	-0.4%	-0.6%	0.90	1.05	1.00	1.03	0.96	0.94	-22	12	0	78	-8	-60
Ballina	LAB/CLP	512	671	204	7107	457	2787	11738	22.6%	24.4%	23.2%	24.7%	23.7%	25.8%	24.7%	-2.1%	-0.3%	-1.5%	-0.1%	-1.0%	1.0%	0.91	0.99	0.94	1.00	0.96	1.04	-48	-9	-13	-21	-20	111
Ballina	LIB/NP	697	967	254	9671	923	4880	17392	30.8%	35.2%	28.9%	33.6%	47.9%	45.1%	36.6%	-5.9%	-1.5%	-7.8%	-3.1%	11.3%	8.5%	0.84	0.96	0.79	0.92	1.31	1.23	-133	-41	-68	-890	217	916
Ballina	NLT	22	28	10	158	16	57	291	1.0%	1.0%	1.1%	0.5%	0.8%	0.5%	0.6%	0.4%	0.4%	0.5%	-0.1%	0.2%	-0.1%	1.58	1.66	1.86	0.89	1.35	0.86	8	11	5	-19	4	-9
Balmain	AJP	113	145	34	537	35	49	913	2.8%	3.0%	3.6%	1.7%	2.1%	1.4%	1.9%	0.9%	1.0%	1.7%	-0.3%	0.2%	-0.6%	1.45	1.53	1.86	0.86	1.10	0.71	35	50	16	-84	3	-20
Balmain	CDP	50	27	7	251	21	37	393	1.2%	0.6%	0.7%	0.8%	1.3%	1.0%	0.8%	0.4%	-0.3%	-0.1%	-0.1%	0.4%	0.2%	1.49	0.66	0.89	0.94	1.53	1.24	16	-14	-1	-16	7	7
Balmain	GRN	1469	1674	345	12275	604	1189	17556	36.6%	34.4%	36.7%	38.4%	36.8%	33.4%	37.4%	-0.8%	-3.0%	-0.7%	1.1%	-0.6%	-4.0%	0.98	0.92	0.98	1.03	0.98	0.89	-32	-144	-7	337	-10	-144
Balmain	LAB/CLP	1193	1367	280	10204	542	1344	14930	29.7%	28.1%	29.8%	32.0%	33.0%	37.7%	31.8%	-2.1%	-3.7%	-2.0%	0.2%	1.2%	5.9%	0.93	0.88	0.94	1.01	1.04	1.19	-83	-179	-19	51	20	210
Balmain	LIB/NP	1007	1486	241	7712	412	824	11682	25.1%	30.6%	25.6%	24.2%	25.1%	23.1%	24.9%	0.2%	5.7%	0.7%	-0.7%	0.2%	-1.8%	1.01	1.23	1.03	0.97	1.01	0.93	8	276	7	-232	3	-63
Balmain	Misc.	121	102	19	633	6	70	951	3.0%	2.1%	2.0%	2.0%	0.4%	2.0%	2.0%	1.0%	0.1%	0.0%	0.0%	-1.7%	-0.1%	1.49	1.04	1.00	0.98	0.18	0.97	40	4	0	-14	-27	-2
Balmain	NLT	61	61	15	316	22	52	527	1.5%	1.3%	1.6%	1.0%	1.3%	1.5%	1.1%	0.4%	0.1%	0.5%	-0.1%	0.2%	0.3%	1.35	1.12	1.42	0.88	1.19	1.30	16	6	4	-42	4	12
Bankstown	CDP	206	156	32	1215	100	104	1813	6.7%	5.1%	5.0%	4.0%	5.6%	2.6%	4.2%	2.5%	0.8%	0.8%	-0.2%	1.3%	-1.7%	1.58	1.20	1.19	0.95	1.32	0.60	76	26	5	-62	24	-68
Bankstown	GRN	199	234	28	1253	68	121	1903	6.5%	7.6%	4.4%	4.1%	3.8%	3.0%	4.4%	2.0%	3.2%	-0.1%	-0.3%	-0.7%	-1.5%	1.46	1.71	0.99	0.93	0.85	0.67	62	97	0	-88	-12	-60
Bankstown	IND	73	58	3	308	23	36	501	2.4%	1.9%	0.5%	1.0%	1.3%	0.9%	1.2%	1.2%	0.7%	-0.7%	-0.1%	0.1%	-0.3%	2.03	1.61	0.40	0.87	1.10	0.76	37	22	-4	-45	2	-12
Bankstown	LAB/CLP	1599	1597	353	17071	899	2651	24170	51.9%	51.8%	55.2%	56.5%	50.0%	65.1%	56.3%	-4.5%	-4.5%	-1.1%	0.1%	-6.3%	8.8%	0.92	0.92	0.98	1.00	0.89	1.16	-138	-139	-7	40	-113	357
Bankstown	LIB/NP	860	919	203	9657	660	1109	13408	27.9%	29.8%	31.8%	31.9%	36.7%	27.2%	31.2%	-3.4%	-1.4%	0.5%	0.7%	5.5%	-4.0%	0.89	0.95	1.02	1.02	1.18	0.87	-103	-44	3	209	98	-164
Bankstown	NLT	146	118	20	730	47	52	1113	4.7%	3.8%	3.1%	2.4%	2.6%	1.3%	2.6%	2.1%	1.2%	0.5%	-0.2%	0.0%	-1.3%	1.83	1.48	1.21	0.93	1.01	0.49	66	38	3	-54	0	-54
Barwon	CDP	90	41	14	738	60	249	1192	2.6%	1.4%	2.3%	2.6%	2.4%	2.6%	2.5%	0.1%	-1.1%	-0.2%	0.1%	-0.1%	0.1%	1.06	0.57	0.93	1.03	0.97	1.04	5	-31	-1	20	-2	9
Barwon	GRN	208	193	37	1774	58	672	2942	6.1%	6.7%	6.2%	6.2%	2.3%	7.0%	6.2%	-0.1%	0.6%	0.0%	0.0%	-3.8%	0.8%	0.99	1.09	1.00	1.00	0.38	1.14	-3	16	0	1	-94	80
Barwon	IND	396	523	77	4839	417	1799	8051	11.6%	18.2%	12.8%	16.8%	16.9%	18.7%	16.9%	-5.3%	1.3%	-4.1%	0.0%	0.0%	1.9%	0.69	1.08	0.76	1.00	1.00	1.11	-180	38	-24	-13	0	180
Barwon	LAB/CLP	720	512	174	7046	331	2671	11454	21.1%	17.8%	29.0%	24.5%	13.4%	27.8%	24.0%	-2.9%	-6.2%	4.9%	0.5%	-10.6%	3.8%	0.88	0.74	1.21	1.02	0.56	1.16	-100	-178	30	143	-262	367
Barwon	LIB/NP	1931	1544	284	13971	1580	4116	23426	56.6%	53.7%	47.3%	48.6%	63.9%	42.9%	49.1%	7.5%	4.6%	-1.8%	-0.5%	14.8%	-6.2%	1.15	1.09	0.96	0.99	1.30	0.87	255	133	-11	-148	367	-596
Barwon	NLT	69	60	15	388	25	89	646	2.0%	2.1%	2.5%	1.3%	1.0%	0.9%	1.4%	0.7%	0.7%	1.1%	0.0%	-0.3%	-0.4%	1.49	1.54	1.84	1.00	0.75	0.68	23	21	7	-1	-8	-41
Bathurst	CDP	87	37	41	587	24	234	1010	3.5%	2.1%	5.2%	2.0%	2.4%	1.7%	2.1%	1.4%	0.0%	3.1%	0.0%	0.3%	-0.4%	1.67	1.01	2.49	0.98	1.15	0.82	35	0	25	-11	3	-52
Bathurst	GRN	331	263	80	2655	77	1030	4436	13.2%	14.9%	10.1%	9.2%	7.7%	7.5%	9.1%	4.1%	5.8%	1.0%	0.1														

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Camden	CDP	112	75	24	1004	47	178	1440	3.8%	2.5%	2.9%	3.0%	2.9%	2.9%	3.0%	0.8%	-0.5%	-0.1%	0.0%	-0.1%	-0.1%	1.28	0.84	0.98	1.00	0.98	0.97	24	-15	0	-3	-1	-6
Camden	GRN	251	208	80	1729	52	231	2551	8.6%	6.9%	9.8%	5.1%	3.2%	3.8%	5.3%	3.3%	1.6%	4.5%	-0.2%	-2.1%	-1.5%	1.62	1.31	1.84	0.97	0.61	0.71	96	49	37	-54	-33	-94
Camden	LAB/CLP	863	790	245	9108	441	1658	13105	29.5%	26.4%	29.9%	27.1%	27.4%	27.0%	27.2%	2.2%	-0.8%	2.7%	-0.2%	0.2%	-0.2%	1.08	0.97	1.10	0.99	1.01	0.99	66	-25	22	-53	3	-12
Camden	LIB/NP	1544	1816	419	20746	1035	3985	29545	52.7%	60.6%	51.2%	61.6%	64.4%	64.9%	61.4%	-8.7%	-0.7%	-10.2%	0.3%	3.0%	3.6%	0.86	0.99	0.83	1.00	1.05	1.06	-254	-22	-83	92	48	219
Camden	NLT	160	107	51	1076	33	86	1513	5.5%	3.6%	6.2%	3.2%	2.1%	1.4%	3.1%	2.3%	0.4%	3.1%	0.1%	-1.1%	-1.7%	1.74	1.14	1.98	1.02	0.65	0.45	68	13	25	18	-18	-107
Campbelltown	CDP	118	71	33	1203	52	169	1646	4.6%	3.2%	4.4%	3.7%	2.6%	3.3%	3.6%	0.9%	-0.4%	0.8%	0.0%	-1.0%	-0.3%	1.25	0.88	1.22	1.01	0.72	0.91	24	-10	6	16	-20	-16
Campbelltown	GRN	226	202	59	1722	82	224	2515	8.8%	9.1%	8.0%	5.3%	4.2%	4.4%	5.6%	3.2%	3.5%	2.4%	-0.3%	-1.4%	-1.2%	1.57	1.63	1.43	0.95	0.75	0.79	82	78	18	-92	-28	-58
Campbelltown	LAB/CLP	1175	1072	384	16733	805	2534	22703	45.6%	48.3%	51.8%	51.4%	40.9%	50.0%	50.3%	-4.7%	-2.0%	1.5%	1.1%	-9.4%	-0.3%	0.91	0.96	1.03	1.02	0.81	0.99	-122	-44	11	357	-186	-16
Campbelltown	LIB/NP	918	791	234	12096	987	2063	17089	35.6%	35.7%	31.5%	37.2%	50.1%	40.7%	37.9%	-2.3%	-2.2%	-6.3%	-0.7%	12.2%	2.8%	0.94	0.94	0.83	0.98	1.32	1.07	-58	-49	-47	-231	241	144
Campbelltown	NLT	142	82	32	802	44	79	1181	5.5%	3.7%	4.3%	2.5%	2.2%	1.6%	2.6%	2.9%	1.1%	1.7%	-0.2%	-0.4%	-1.1%	2.10	1.41	1.65	0.94	0.85	0.60	75	24	13	-50	-8	-54
Canterbury	CDP	311	227	66	3525	86	639	4854	9.0%	7.3%	9.2%	10.3%	5.1%	14.8%	10.2%	-1.2%	-2.9%	-1.0%	0.1%	-5.1%	4.6%	0.88	0.71	0.91	1.01	0.50	1.45	-42	-91	-7	29	-87	198
Canterbury	GRN	469	400	99	3200	144	296	4608	13.5%	12.8%	13.8%	9.3%	8.5%	6.8%	9.7%	3.9%	3.1%	4.2%	-0.3%	-1.2%	-2.8%	1.40	1.33	1.43	0.96	0.88	0.71	134	98	30	-119	-20	-123
Canterbury	LAB/CLP	1626	1440	358	17508	792	2205	23929	46.9%	46.2%	50.1%	51.0%	46.6%	50.9%	50.2%	-3.3%	-4.1%	-0.2%	0.8%	-3.6%	0.7%	0.93	0.92	1.00	1.02	0.93	1.01	-114	-127	-1	273	-61	31
Canterbury	LIB/NP	908	926	163	9147	629	1086	12859	26.2%	29.7%	22.8%	26.7%	37.0%	25.1%	27.0%	-0.8%	2.7%	-4.2%	-0.3%	10.0%	-1.9%	0.97	1.10	0.84	0.99	1.37	0.93	-27	84	-30	-115	170	-82
Canterbury	NLT	150	127	29	930	48	102	1386	4.3%	4.1%	4.1%	2.7%	2.8%	2.4%	2.9%	1.4%	1.2%	1.1%	-0.2%	-0.1%	-0.6%	1.49	1.40	1.39	0.93	0.97	0.81	49	36	8	-68	-1	-24
Castle Hill	CDP	133	113	14	1049	92	134	1535	4.1%	2.8%	2.6%	3.1%	3.5%	3.1%	3.2%	0.9%	-0.4%	-0.6%	0.0%	0.3%	-0.1%	1.28	0.88	0.81	0.99	1.10	0.97	29	-15	-3	-16	8	-3
Castle Hill	GRN	282	330	62	2318	143	218	3353	8.7%	8.2%	11.4%	6.9%	5.4%	5.1%	7.0%	1.7%	1.3%	4.4%	0.0%	-1.5%	-1.9%	1.25	1.18	1.63	1.00	0.78	0.73	56	51	24	-8	-40	-82
Castle Hill	LAB/CLP	632	662	97	5361	293	641	7686	19.5%	16.5%	17.8%	16.1%	11.1%	14.9%	16.0%	3.5%	0.6%	1.8%	0.1%	-4.8%	-1.1%	1.22	1.03	1.12	1.01	0.70	0.93	113	22	10	29	-127	-47
Castle Hill	LIB/NP	2059	2735	343	23751	2023	3226	34137	63.4%	68.3%	63.1%	71.2%	77.0%	74.9%	71.0%	-7.6%	-2.7%	-7.9%	0.2%	6.0%	3.9%	0.89	1.00	1.08	1.06	1.06	-247	-106	-43	69	158	169	
Castle Hill	NLT	142	163	28	884	77	87	1381	4.4%	4.1%	5.1%	2.6%	2.9%	2.0%	2.9%	1.5%	1.2%	2.3%	-0.2%	0.1%	-0.9%	1.52	1.42	1.79	0.92	1.02	0.70	49	48	12	-74	2	-37
Cessnock	CDP	127	44	33	891	44	200	1339	3.7%	2.1%	3.8%	3.0%	4.0%	2.3%	2.9%	0.8%	-0.8%	0.9%	0.1%	1.1%	-0.6%	1.26	0.73	1.31	1.02	1.37	0.80	26	-16	8	19	12	-49
Cessnock	GRN	421	229	120	2510	70	507	3857	12.2%	11.1%	13.9%	8.4%	6.4%	5.9%	8.4%	3.8%	2.7%	5.5%	0.0%	-2.1%	-2.5%	1.45	1.32	1.65	1.00	0.76	0.71	131	56	47	-2	-23	-210
Cessnock	LAB/CLP	1882	1148	479	18503	706	5801	28519	54.7%	55.9%	55.4%	62.0%	64.1%	68.1%	62.2%	-7.5%	-6.3%	-6.8%	-0.2%	1.9%	5.8%	0.88	0.90	0.89	1.00	1.03	1.09	-259	-130	-59	-71	21	498
Cessnock	LIB/NP	839	554	179	6966	249	1865	10652	24.4%	27.0%	20.7%	23.3%	22.6%	21.9%	23.2%	1.1%	3.7%	-2.5%	0.1%	-0.6%	-1.4%	1.05	1.16	0.89	1.00	0.97	0.94	39	77	-22	28	-7	-116
Cessnock	NLT	172	79	53	980	32	149	1465	5.0%	3.8%	6.1%	3.3%	2.9%	1.7%	3.2%	1.8%	0.6%	2.9%	0.1%	-0.3%	-1.4%	1.56	1.20	1.92	1.03	0.91	0.55	62	13	25	26	-3	-123
Charlestown	CDP	77	32	9	776	50	110	1054	2.8%	1.4%	2.1%	2.2%	2.4%	1.7%	2.2%	0.7%	-0.8%	0.0%	0.1%	0.2%	-0.5%	1.30	0.63	0.98	1.04	1.10	0.79	18	-19	0	26	4	-30
Charlestown	GRN	435	352	71	3944	93	483	5378	15.9%	15.0%	16.7%	11.3%	4.4%	7.4%	11.0%	4.9%	4.0%	5.7%	0.3%	-6.6%	-3.6%	1.44	1.36	1.52	1.03	0.40	0.68	133	93	24	119	-139	-231
Charlestown	IND	177	186	33	2540	96	510	3542	6.5%	7.9%	7.8%	7.3%	4.5%	7.9%	7.2%	-0.8%	0.7%	0.5%	0.1%	-2.7%	0.6%	0.89	1.09	1.07	1.01	0.63	1.09	-22	16	2	21	-57	40
Charlestown	LAB/CLP	1231	1022	194	16750	1200	3187	23584	44.9%	43.4%	45.6%	48.1%	56.8%	49.1%	48.2%	-3.3%	-4.8%	-2.6%	-0.1%	8.6%	0.9%	0.93	0.90	0.95	1.00	1.18	1.02	-92	-112	-11	-24	181	58
Charlestown	LIB/NP	775	725	114	10414	650	2143	14821	28.2%	30.8%	26.8%	29.9%	30.8%	33.0%	30.3%	-2.1%	0.5%	-3.5%	-0.4%	0.5%	2.7%	0.93	1.02	0.89	0.99	1.02	1.09	-56	12	-15	-128	10	177
Charlestown	NLT	49	36	4	373	24	58	544	1.8%	1.5%	0.9%	1.1%	1.1%	0.9%	1.1%	0.7%	0.4%	-0.2%	0.0%	0.0%	-0.2%	1.61	1.38	0.85	0.96	1.02	0.80	18	10	-1	-14	1	-14
Clarence	CDP	61	47	19	744	40	232	1143	2.6%	1.9%	2.8%	2.4%	3.6%	2.4%	2.4%	0.2%	-0.5%	0.4%	0.0%	1.1%	0.0%	1.08	0.80	1.17	0.99	1.47	1.01	4	-12	3	-9	13	1
Clarence	GRN	382	291	76	2857	87	615	4308	16.3%	11.9%	11.3%	9.2%	7.7%	6.5%	9.1%	7.2%	2.8%	2.2%	0.1%	-1.4%	-2.7%	1.79	1.31	1.24	1.01	0.85	0.71	168	68	15	19	-16	-255
Clarence	IND	190	228	45	2850	61	702	4076	8.1%	9.4%	6.7%	9.2%	5.4%	7.4%	8.6%	-0.5%	0.7%	-1.9%	0.5%	-3.2%	-1.3%	0.94	1.08	0.78	1.06	0.63	0.85	-12	17	-13	165	-36	-121
Clarence	LAB/CLP	644	628	218	8829	308	2804	13431	27.5%	25.8%	32.5%	28.4%	27.4%	28.5%	28.5%	-1.0%	-2.7%	4.1%	-0.1%	-1.1%	1.0%	0.97	0.90	1.14	1.00	0.96	1.03	-23	-66	27	-19	-13	93
Clarence	LIB/NP	1032	1218	308	15516	622	5103	23799	44.1%	50.0%	46.0%	49.9%	55.2%	53.6%	50.4%	-6.4%	-0.5%	-4.5%	-0.5%	4.8%	3.1%	0.87	0.99	0.91	0.99	1.10	1.06	-149	-12	-30	-162	54	299
Clarence	NLT	33	26	4	288	8	68	427	1.4%	1.1%	0.6%	0.9%	0.7%	0.7%	0.9%	0.5%	0.2%	-0.3%	0.0%	-0.2%	-0.2%	1.56	1.18	0.66	1.02	0.79	0.79	12	4	-2	7	-2	-18
Coffs Harbour	CDP	76	75	44	1459	44	260	1958	3.4%	2.9%	6.3%	4.5%	3.4%	4.2%	4.3%	-1.0%	-1.4%	1.9%	0.2%	-0.9%	-0.1%	0.78	0.67	1.44	1.05	0.79	0.97	-22					

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Drummoynes	CDP	75	58	11	480	51	31	706	2.3%	1.5%	1.7%	1.4%	1.8%	1.0%	1.5%	0.8%	0.0%	0.2%	-0.1%	0.3%	-0.5%	1.53	1.00	1.11	0.96	1.20	0.67	26	0	1	-20	8	-15
Drummoynes	GRN	490	493	88	3572	223	275	5141	15.1%	12.8%	13.4%	10.8%	7.9%	9.0%	11.0%	4.1%	1.8%	2.4%	-0.2%	-3.1%	-2.0%	1.37	1.16	1.22	0.98	0.72	0.82	133	69	16	-70	-87	-61
Drummoynes	LAB/CLP	806	907	170	7896	577	747	11103	24.8%	23.5%	25.9%	23.8%	20.4%	24.4%	23.7%	1.1%	-0.2%	2.2%	0.1%	-3.3%	0.7%	1.04	0.99	1.09	1.00	0.86	1.03	34	-8	14	30	-92	22
Drummoynes	LIB/NP	1752	2243	367	20421	1898	1935	28616	53.8%	58.1%	55.9%	61.6%	67.3%	63.3%	61.1%	-7.3%	-3.0%	-5.2%	0.4%	6.1%	2.2%	0.88	0.95	0.92	1.01	1.10	1.04	-237	-116	-34	147	173	67
Drummoynes	Misc.	67	80	11	327	27	32	544	2.1%	2.1%	1.7%	1.0%	1.0%	1.0%	1.2%	0.9%	0.9%	0.5%	-0.2%	-0.2%	-0.1%	1.77	1.78	1.44	0.85	0.82	0.90	29	35	3	-58	-6	-4
Drummoynes	NLT	65	79	9	480	46	37	716	2.0%	2.0%	1.4%	1.4%	1.6%	1.2%	1.5%	0.5%	0.5%	-0.2%	-0.1%	0.1%	-0.3%	1.31	1.34	0.90	0.95	1.07	0.79	15	20	-1	-27	3	-10
Dubbo	CDP	59	33	21	702	42	324	1181	2.4%	2.0%	2.8%	2.8%	3.5%	2.1%	2.5%	-0.1%	-0.6%	0.2%	0.2%	0.9%	-0.4%	0.96	0.77	1.10	1.09	1.37	0.85	-2	-10	2	57	11	-58
Dubbo	GRN	199	126	48	1118	44	527	2062	8.2%	7.5%	6.4%	4.4%	3.6%	3.5%	4.4%	3.8%	3.0%	1.9%	0.0%	-0.8%	-0.9%	1.86	1.68	1.44	0.99	0.82	0.79	92	51	15	-8	-10	-140
Dubbo	IND	244	129	40	1675	79	766	2933	10.1%	7.6%	5.3%	6.6%	6.5%	5.1%	6.3%	3.8%	1.3%	-1.0%	0.3%	0.2%	-1.2%	1.61	1.21	0.84	1.05	1.04	0.81	92	23	-8	73	3	-183
Dubbo	LAB/CLP	505	328	203	6339	235	3329	10939	20.9%	19.4%	26.9%	24.9%	19.4%	22.1%	23.5%	-2.6%	-4.1%	3.4%	1.4%	-4.1%	-1.4%	0.89	0.83	1.15	1.06	0.83	0.94	-62	-69	26	366	-49	-212
Dubbo	LIB/NP	1293	1023	404	14885	781	9779	28165	53.6%	60.5%	53.5%	58.5%	64.5%	64.9%	60.5%	-6.9%	0.1%	-6.9%	-1.9%	4.0%	4.4%	0.89	1.00	0.89	0.97	1.07	1.07	-166	1	-52	-495	49	663
Dubbo	NLT	113	51	39	720	30	353	1306	4.7%	3.0%	5.2%	2.8%	2.5%	2.3%	2.8%	1.9%	0.2%	2.4%	0.0%	-0.3%	-0.5%	1.67	1.08	1.84	1.01	0.88	0.84	45	4	18	7	-4	-70
East Hills	CDP	161	126	43	1640	123	217	2310	6.4%	4.4%	7.4%	4.9%	4.3%	4.0%	4.9%	1.6%	-0.5%	2.5%	0.1%	-0.6%	-0.9%	1.32	0.91	1.51	1.01	0.88	0.82	39	-13	15	24	-17	-47
East Hills	GRN	254	311	50	2165	109	252	3141	10.1%	10.9%	8.5%	6.5%	3.8%	4.6%	6.6%	3.5%	4.3%	1.9%	-0.1%	-2.8%	-2.0%	1.53	1.64	1.29	0.99	0.57	0.70	88	122	11	-33	-81	-107
East Hills	LAB/CLP	1073	1139	254	13986	1030	2476	19958	42.8%	39.8%	43.4%	42.1%	35.8%	45.6%	42.1%	0.8%	-2.2%	1.4%	0.1%	-6.2%	3.6%	1.02	0.95	1.03	1.00	0.85	1.08	19	-63	8	21	-179	194
East Hills	LIB/NP	925	1188	216	14703	1549	2394	20975	36.9%	41.6%	36.9%	44.3%	53.9%	44.1%	44.2%	-7.3%	-2.6%	-7.3%	0.1%	9.7%	-0.1%	0.84	0.94	0.84	1.00	1.22	1.00	-182	-75	-43	27	278	-4
East Hills	NLT	93	95	22	715	65	88	1078	3.7%	3.3%	3.8%	2.2%	2.3%	1.6%	2.3%	1.4%	1.1%	1.5%	-0.1%	0.0%	-0.6%	1.63	1.46	1.66	0.95	1.00	0.71	36	30	9	-39	0	-35
Epping	CDP	107	140	39	1333	114	145	1878	3.8%	3.6%	4.1%	3.9%	3.5%	3.5%	3.8%	0.0%	-0.2%	0.3%	0.1%	-0.3%	-0.3%	1.00	0.95	1.08	1.02	0.92	0.93	0	-7	3	24	-10	-11
Epping	GRN	466	576	90	5010	324	535	7001	16.6%	14.9%	9.5%	14.5%	9.9%	13.0%	14.1%	2.4%	0.7%	-4.7%	0.4%	-4.2%	-1.1%	1.17	1.05	0.67	1.03	0.70	0.92	68	29	-45	131	-137	-47
Epping	IND	134	267	48	2339	200	329	3317	4.8%	6.9%	5.0%	6.8%	6.1%	8.0%	6.7%	-1.9%	0.2%	-1.7%	0.1%	-0.6%	1.3%	0.71	1.03	0.75	1.01	0.92	1.19	-54	8	-16	28	-18	53
Epping	LAB/CLP	605	860	224	6588	596	884	9757	21.5%	22.2%	23.5%	19.1%	18.3%	21.5%	19.7%	1.8%	2.5%	3.8%	-0.6%	-1.4%	1.8%	1.09	1.13	1.19	0.97	0.93	1.09	51	98	36	-211	-47	73
Epping	LIB/NP	1436	1935	546	18846	1970	2184	26917	51.0%	50.0%	57.4%	54.6%	60.4%	53.0%	54.3%	-3.3%	-4.4%	3.0%	0.3%	6.1%	-1.3%	0.94	0.92	1.06	1.00	1.11	0.98	-93	-169	29	89	197	-54
Epping	NLT	66	93	5	401	58	41	664	2.3%	2.4%	0.5%	1.2%	1.8%	1.0%	1.3%	1.0%	1.1%	-0.8%	-0.2%	0.4%	-0.3%	1.75	1.79	0.39	0.87	1.33	0.74	28	41	-8	-62	14	-14
Fairfield	CDP	252	207	69	2173	112	1687	4500	8.9%	6.2%	11.2%	8.0%	6.4%	16.6%	9.8%	-0.9%	-3.6%	1.4%	-1.8%	-3.4%	6.8%	0.91	0.63	1.14	0.82	0.65	1.69	-26	-122	9	-491	-60	691
Fairfield	GRN	234	325	43	1338	90	376	2406	8.2%	9.7%	7.0%	4.9%	5.1%	3.7%	5.2%	3.0%	4.4%	1.7%	-0.3%	-0.1%	-1.5%	1.57	1.85	1.33	0.94	0.98	0.71	85	149	11	-86	-2	-157
Fairfield	LAB/CLP	1340	1762	290	14750	919	5609	24670	47.2%	52.4%	47.1%	54.2%	52.5%	55.1%	53.7%	-6.5%	-1.3%	-6.6%	0.5%	-1.3%	1.4%	0.88	0.98	0.88	1.01	0.98	1.03	-186	-44	-41	146	-22	146
Fairfield	LIB/NP	768	869	153	6872	551	1866	11079	27.0%	25.8%	24.8%	25.3%	31.4%	18.3%	24.1%	2.9%	1.7%	0.7%	1.2%	7.3%	-5.8%	1.12	1.07	1.03	1.05	1.30	0.76	83	58	4	314	128	-587
Fairfield	NLT	247	199	61	2060	80	634	3281	8.7%	5.9%	9.9%	7.6%	4.6%	6.2%	7.1%	1.6%	-1.2%	2.8%	0.4%	-2.6%	-0.9%	1.22	0.83	1.39	1.06	0.64	0.87	44	-41	17	118	-45	-93
Gosford	CDP	91	31	20	723	73	153	1091	3.2%	1.5%	2.4%	2.3%	3.0%	1.7%	2.3%	1.0%	-0.8%	0.1%	0.1%	0.8%	-0.6%	1.43	0.66	1.04	1.03	1.33	0.75	27	-16	1	20	18	-51
Gosford	GRN	393	274	99	2837	141	602	4346	14.0%	13.2%	11.7%	9.1%	5.8%	6.7%	9.0%	5.0%	4.2%	2.7%	0.1%	-3.2%	-2.3%	1.55	1.46	1.30	1.01	0.65	0.74	140	87	23	37	-77	-210
Gosford	IND	198	158	43	1826	123	350	2698	7.0%	7.6%	5.1%	5.9%	5.1%	3.9%	5.6%	1.5%	2.0%	-0.5%	0.3%	-0.5%	-1.7%	1.26	1.36	0.91	1.05	0.91	0.69	41	42	-4	88	-12	-154
Gosford	LAB/CLP	950	691	346	12043	771	3853	18654	33.8%	33.2%	40.9%	38.7%	31.9%	42.7%	38.7%	-4.8%	-5.4%	2.2%	0.1%	-6.8%	4.1%	0.87	0.86	1.06	1.00	0.82	1.11	-136	-113	19	26	-164	369
Gosford	LIB/NP	1083	876	314	13025	1287	3950	20535	38.5%	42.1%	37.1%	41.9%	53.2%	43.8%	42.5%	-4.0%	-0.5%	-5.5%	-0.7%	10.7%	1.3%	0.91	0.99	0.87	0.98	1.25	1.03	-113	-9	-46	-203	258	114
Gosford	NLT	95	51	25	636	24	107	938	3.4%	2.5%	3.0%	2.0%	1.0%	1.2%	1.9%	1.4%	0.5%	1.0%	0.1%	-1.0%	-0.8%	1.74	1.26	1.52	1.05	0.51	0.61	40	11	9	32	-23	-68
Goulburn	CDP	82	36	16	733	88	241	1196	3.5%	1.7%	1.9%	2.4%	3.6%	2.2%	2.5%	1.0%	-0.8%	-0.6%	0.0%	1.1%	-0.2%	1.42	0.68	0.75	0.99	1.46	0.91	24	-17	-5	-6	28	-24
Goulburn	GRN	284	248	65	2529	184	517	3827	12.1%	11.5%	7.5%	8.4%	7.5%	4.8%	7.9%	4.2%	3.6%	-0.3%	0.5%	-0.4%	-3.1%	1.53	1.46	0.96	1.07	0.95	0.61	99	78	-3	165	-9	-330
Goulburn	LAB/CLP	630	665	284	10081	739	4282	16681	26.7%	30.8%	32.9%	33.5%	30.1%	39.8%	34.3%	-7.5%	-3.5%	-1.4%	-0.7%	-4.2%	5.5%	0.78	0.90	0.96	0.98	0.88	1.16	-177	-75	-12	-223	-104	591
Goulburn	LIB/NP	1144	1030	402	14694	1322	5133	23725	48.6%	47.7%	46.6%	48.9%	53.8%	47.7%	48.7%	-0.2%	-1.1%	-2.2%	0.1%	5.0%	-1.1%	1.00	0.98	0.96	1.00	1.10	0.98	-4</					

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Holsworthy	CDP	151	130	18	1354	89	167	1909	5.1%	3.7%	2.7%	4.0%	3.5%	4.5%	4.1%	1.1%	-0.3%	-1.3%	0.0%	-0.6%	0.4%	1.26	0.92	0.67	0.99	0.86	1.10	31	-11	-9	-13	-14	15
Holsworthy	GRN	234	233	46	1410	82	118	2123	7.9%	6.7%	7.0%	4.2%	3.2%	3.1%	4.5%	3.4%	2.2%	2.5%	-0.3%	-1.3%	-1.4%	1.76	1.49	1.55	0.93	0.72	0.70	101	76	16	-110	-33	-51
Holsworthy	IND	78	93	16	1086	62	72	1407	2.6%	2.7%	2.4%	3.2%	2.4%	1.9%	3.0%	-0.3%	-0.3%	-0.6%	0.2%	-0.5%	-1.1%	0.88	0.90	0.81	1.08	0.82	0.64	-10	-11	-4	79	-14	-40
Holsworthy	LAB/CLP	1105	1296	257	12189	809	1522	17178	37.4%	37.3%	38.9%	36.1%	31.8%	40.6%	36.4%	0.9%	0.8%	2.4%	-0.3%	-4.6%	4.1%	1.03	1.02	1.07	0.99	0.87	1.11	28	29	16	-110	-118	155
Holsworthy	LIB/NP	1259	1607	301	16933	1442	1794	23336	42.6%	46.2%	45.5%	50.2%	56.7%	47.8%	49.5%	-6.9%	-3.3%	-4.0%	0.7%	7.2%	-1.7%	0.86	0.93	0.92	1.01	1.15	0.97	-205	-114	-26	226	183	-63
Holsworthy	NLT	129	118	23	773	59	78	1180	4.4%	3.4%	3.5%	2.3%	2.3%	2.1%	2.5%	1.9%	0.9%	1.0%	-0.2%	-0.2%	-0.4%	1.74	1.36	1.39	0.91	0.93	0.83	55	31	6	-72	-5	-16
Hornsby	CDP	88	43	18	861	70	176	1256	2.9%	1.4%	3.3%	2.5%	2.8%	3.0%	2.5%	0.4%	-1.1%	0.7%	-0.1%	0.3%	0.5%	1.15	0.57	1.29	0.98	1.13	1.20	11	-33	4	-19	8	29
Hornsby	GRN	503	474	87	5032	202	627	6925	16.5%	15.7%	15.8%	14.4%	8.2%	10.7%	13.9%	2.6%	1.8%	1.9%	0.5%	-5.7%	-3.1%	1.19	1.13	1.13	1.04	0.59	0.77	79	56	10	179	-140	-184
Hornsby	IND	183	172	16	1595	135	278	2379	6.0%	5.7%	2.9%	4.6%	5.5%	4.8%	4.8%	1.2%	0.9%	-1.9%	-0.2%	0.7%	0.0%	1.26	1.20	0.61	0.96	1.15	1.00	37	28	-10	-72	17	0
Hornsby	LAB/CLP	636	598	126	6567	435	1285	9647	20.9%	19.9%	22.8%	18.8%	17.7%	22.0%	19.4%	1.5%	0.5%	3.5%	-0.6%	-1.7%	2.7%	1.08	1.03	1.18	0.97	0.91	1.14	46	15	19	-194	-42	156
Hornsby	LIB/NP	1595	1679	294	20518	1599	3412	29097	52.3%	55.7%	53.3%	58.7%	64.9%	58.5%	58.4%	-6.1%	-2.6%	-5.1%	0.4%	6.5%	0.1%	0.90	0.95	0.91	1.01	1.11	1.00	-185	-79	-28	125	161	6
Hornsby	NLT	44	46	11	362	23	56	542	1.4%	1.5%	2.0%	1.0%	0.9%	1.0%	1.1%	0.4%	0.4%	0.9%	-0.1%	-0.2%	-0.1%	1.33	1.40	1.83	0.95	0.86	0.88	11	13	5	-18	-4	-7
Keira	CDP	115	71	21	1259	62	175	1703	3.4%	2.6%	2.9%	3.4%	3.1%	3.4%	3.4%	0.1%	-0.7%	-0.5%	0.1%	-0.3%	0.1%	1.02	0.78	0.85	1.02	0.91	1.02	2	-20	-4	23	-6	4
Keira	GRN	590	486	131	5105	152	646	7110	17.6%	18.0%	17.9%	13.9%	7.5%	12.7%	14.0%	3.5%	3.9%	3.9%	-0.1%	-6.5%	-1.3%	1.25	1.28	1.28	0.99	0.54	0.90	119	106	28	-54	-131	-68
Keira	LAB/CLP	1584	1317	351	19750	1151	2740	26893	47.2%	48.7%	48.1%	53.8%	57.1%	53.9%	53.1%	-5.9%	-4.5%	-5.1%	0.6%	4.0%	0.8%	0.89	0.92	0.90	1.01	1.07	1.01	-198	-121	-37	238	80	39
Keira	LIB/NP	953	763	212	9997	618	1445	13988	28.4%	28.2%	29.0%	27.2%	30.7%	28.4%	27.6%	0.8%	0.6%	1.4%	-0.4%	3.0%	0.8%	1.03	1.02	1.05	0.99	1.11	1.03	26	15	10	-152	61	40
Keira	NLT	112	69	15	605	33	77	911	3.3%	2.5%	2.1%	1.6%	1.6%	1.5%	1.8%	1.5%	0.7%	0.3%	-0.2%	-0.2%	-0.3%	1.85	1.42	1.14	0.92	0.91	0.84	52	20	2	-56	-3	-15
Kiama	CDP	106	43	22	977	74	283	1505	3.2%	1.9%	3.0%	3.3%	3.2%	2.9%	3.2%	0.1%	-1.2%	-0.1%	0.2%	0.1%	-0.2%	1.02	0.61	0.96	1.05	1.02	0.92	2	-27	-1	49	2	-24
Kiama	GRN	547	334	97	3293	183	817	5271	16.6%	15.0%	13.3%	11.2%	8.0%	8.4%	11.1%	5.6%	3.9%	2.2%	0.1%	-3.1%	-2.7%	1.50	1.35	1.20	1.01	0.72	0.76	184	87	16	42	-71	-258
Kiama	LAB/CLP	966	639	249	9503	627	3304	15288	29.4%	28.6%	34.1%	32.3%	27.3%	34.0%	32.1%	-2.7%	-3.4%	2.1%	0.2%	-4.7%	1.9%	0.92	0.89	1.06	1.01	0.85	1.06	-88	-77	15	73	-109	186
Kiama	LIB/NP	1541	1169	336	15060	1373	5139	24618	46.9%	52.4%	46.0%	51.2%	59.8%	52.8%	51.6%	-4.8%	0.7%	-5.6%	-0.4%	8.2%	1.2%	0.91	1.01	0.89	0.99	1.16	1.02	-157	16	-41	-125	188	118
Kiama	NLT	129	48	26	588	39	186	1016	3.9%	2.1%	3.6%	2.0%	1.7%	1.9%	2.1%	1.8%	0.0%	1.4%	-0.1%	-0.4%	-0.2%	1.84	1.01	1.67	0.94	0.80	0.90	59	0	10	-39	-10	-21
Kogarah	CDP	88	94	22	1146	84	204	1638	3.8%	3.1%	3.5%	3.6%	3.1%	3.5%	3.5%	0.3%	-0.4%	0.0%	0.1%	-0.4%	-0.1%	1.09	0.89	1.00	1.02	0.89	0.99	7	-11	0	18	-11	-3
Kogarah	GRN	263	335	49	1989	143	236	3015	11.5%	11.2%	7.9%	6.2%	5.3%	4.0%	6.5%	5.0%	4.7%	1.4%	-0.3%	-1.2%	-2.5%	1.77	1.73	1.21	0.96	0.82	0.62	114	141	8	-87	-31	-145
Kogarah	LAB/CLP	944	1178	278	14922	1222	2540	21084	41.2%	39.4%	44.6%	46.7%	45.6%	43.3%	45.4%	-4.2%	-6.0%	-0.9%	1.3%	0.1%	-2.1%	0.91	0.87	0.98	1.03	1.00	0.95	-97	-179	-5	401	4	-125
Kogarah	LIB/NP	798	992	214	11154	989	1719	15866	34.8%	33.2%	34.3%	34.9%	36.9%	29.3%	34.2%	0.7%	-1.0%	0.1%	0.7%	2.7%	-4.9%	1.02	0.97	1.00	1.02	1.08	0.86	15	-29	1	227	72	-286
Kogarah	Misc.	116	258	39	2008	161	1065	3647	5.1%	8.6%	6.3%	6.3%	6.0%	18.2%	7.9%	-2.8%	0.8%	-1.6%	-1.6%	-1.9%	10.3%	0.64	1.10	0.80	0.80	0.76	2.31	-64	23	-10	-504	-50	604
Kogarah	NLT	82	130	22	753	83	103	1173	3.6%	4.4%	3.5%	2.4%	3.1%	1.8%	2.5%	1.1%	1.8%	1.0%	-0.2%	0.6%	-0.8%	1.42	1.72	1.40	0.93	1.22	0.69	24	55	6	-55	15	-45
Ku-ring-gai	CDP	100	81	35	925	111	123	1375	3.1%	2.2%	3.5%	2.8%	3.1%	3.4%	2.8%	0.3%	-0.6%	0.6%	-0.1%	0.2%	0.5%	1.10	0.79	1.22	0.98	1.08	1.19	9	-22	6	-22	8	20
Ku-ring-gai	GRN	646	621	147	5366	423	447	7650	20.2%	17.1%	14.6%	16.1%	11.7%	12.3%	15.8%	4.4%	1.4%	-1.2%	0.3%	-4.1%	-3.5%	1.28	1.09	0.92	1.02	0.74	0.78	140	49	-12	99	-150	-126
Ku-ring-gai	LAB/CLP	592	673	167	5237	564	694	7927	18.5%	18.6%	16.6%	15.7%	15.6%	19.1%	16.4%	2.1%	2.2%	0.2%	-0.7%	-0.8%	2.7%	1.13	1.14	1.01	0.96	0.95	1.17	68	80	2	-220	-29	100
Ku-ring-gai	LIB/NP	1751	2124	628	21085	2417	2289	30294	54.7%	58.6%	62.2%	63.2%	66.7%	63.0%	62.5%	-7.9%	-3.9%	-0.3%	0.7%	4.1%	0.5%	0.87	0.94	1.00	1.01	1.07	1.01	-252	-141	-3	229	149	18
Ku-ring-gai	NLT	113	123	32	735	111	78	1192	3.5%	3.4%	3.2%	2.2%	3.1%	2.1%	2.5%	1.1%	0.9%	0.7%	-0.3%	0.6%	-0.3%	1.43	1.38	1.29	0.90	1.24	0.87	34	34	7	-86	22	-11
Lake Macquarie	AJP	128	67	33	780	35	100	1143	3.7%	3.7%	4.2%	2.5%	1.6%	1.3%	2.4%	1.3%	1.3%	1.8%	0.1%	-0.8%	-1.1%	1.53	1.53	1.73	1.02	0.68	0.55	44	23	14	18	-16	-83
Lake Macquarie	CDP	94	31	17	580	41	135	898	2.7%	1.7%	2.1%	1.8%	1.9%	1.8%	1.9%	0.8%	-0.2%	0.3%	-0.1%	0.0%	-0.1%	1.43	0.90	1.14	0.97	1.02	0.94	28	-3	2	-19	1	-9
Lake Macquarie	GRN	305	114	49	1600	54	241	2363	8.7%	6.3%	6.2%	5.0%	2.5%	3.1%	5.0%	3.8%	1.3%	1.2%	0.1%	-2.4%	-1.8%	1.76	1.26	1.25	1.02	0.51	0.64	132	24	10	25	-52	-138
Lake Macquarie	IND	1038	684	231	13318	1059	3921	20251	29.7%	37.5%	29.1%	41.9%	49.6%	51.2%	42.5%	-12.8%	-4.9%	-13.4%	-0.6%	7.2%	8.8%	0.70	0.88	0.69	0.99	1.17	1.21	-448	-90	-106	-180	153	671
Lake Macquarie	LAB/CLP	1109	546	276	10324	549	1821	14625	31.7%	30.0%	34.8%	32.5%	25.7%	23.8%	30.7%	1.0%	-0.7%	4.1%	1.8%	-4.9%	-6.9%	1.03	0.98	1.									

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Macquarie Fields	CDP	148	85	17	1027	59	148	1484	4.7%	3.3%	2.4%	3.1%	3.3%	2.6%	3.1%	1.6%	0.1%	-0.8%	-0.1%	0.2%	-0.6%	1.51	1.05	0.76	0.98	1.06	0.82	50	4	-5	-20	3	-32
Macquarie Fields	GRN	216	146	32	1170	56	167	1787	6.9%	5.7%	4.5%	3.5%	3.2%	2.9%	3.8%	3.1%	1.9%	0.7%	-0.3%	-0.6%	-0.9%	1.83	1.49	1.19	0.93	0.83	0.77	98	48	5	-91	-11	-49
Macquarie Fields	IND	215	156	34	1187	77	162	1831	6.9%	6.0%	4.8%	3.6%	4.3%	2.8%	3.9%	3.0%	2.2%	0.9%	-0.3%	0.5%	-1.0%	1.78	1.56	1.23	0.92	1.12	0.73	94	56	6	-105	8	-60
Macquarie Fields	LAB/CLP	1331	1131	397	17111	817	3191	23978	42.7%	43.8%	55.8%	51.4%	46.1%	55.8%	50.8%	-8.1%	-7.0%	4.9%	0.6%	-4.7%	5.0%	0.84	0.86	1.10	1.01	0.91	1.10	-253	-181	35	195	-84	288
Macquarie Fields	LIB/NP	1102	989	213	12233	724	1986	17247	35.3%	38.3%	29.9%	36.7%	40.8%	34.8%	36.5%	-1.2%	1.8%	-6.6%	0.2%	4.3%	-1.8%	0.97	1.05	0.82	1.01	1.12	0.95	-38	45	-47	66	76	-102
Macquarie Fields	NLT	106	75	19	563	40	60	863	3.4%	2.9%	2.7%	1.7%	2.3%	1.1%	1.8%	1.6%	1.1%	0.8%	-0.1%	0.4%	-0.8%	1.86	1.59	1.46	0.92	1.23	0.57	49	28	6	-46	8	-44
Maitland	CDP	56	32	27	635	47	115	912	2.4%	1.5%	3.5%	1.9%	2.1%	1.5%	1.9%	0.5%	-0.4%	1.6%	0.0%	0.2%	-0.4%	1.25	0.77	1.86	1.01	1.09	0.81	11	-10	12	8	4	-27
Maitland	GRN	265	173	66	2131	95	310	3040	11.3%	7.9%	8.7%	6.5%	4.2%	4.2%	6.4%	4.9%	1.6%	2.3%	0.1%	-2.2%	-2.2%	1.78	1.25	1.36	1.02	0.66	0.66	116	34	18	42	-49	-162
Maitland	IND	473	627	157	7554	409	1904	11124	20.2%	28.7%	20.6%	23.0%	18.1%	25.7%	23.3%	-3.1%	5.5%	-2.6%	-0.3%	-5.2%	2.4%	0.87	1.24	0.89	0.99	0.78	1.10	-73	120	-20	-88	-116	178
Maitland	LAB/CLP	899	781	310	14153	971	3184	20298	38.3%	35.8%	40.7%	43.1%	43.0%	42.9%	42.4%	-4.1%	-6.6%	-1.7%	0.6%	0.5%	0.5%	0.90	0.84	0.96	1.01	1.01	1.01	-97	-145	-13	208	12	35
Maitland	LIB/NP	598	532	185	7990	710	1862	11877	25.5%	24.4%	24.3%	24.3%	31.4%	25.1%	24.8%	0.6%	-0.4%	-0.5%	-0.5%	6.6%	0.3%	1.03	0.98	0.98	0.98	1.27	1.01	15	-10	-4	-170	149	19
Maitland	NLT	56	36	16	396	27	46	577	2.4%	1.7%	2.1%	1.2%	1.2%	0.6%	1.2%	1.2%	0.4%	0.9%	0.0%	0.0%	-0.6%	1.98	1.37	1.74	1.00	0.99	0.51	28	10	7	0	0	-44
Manly	CDP	39	23	8	289	18	43	420	1.1%	0.5%	1.0%	0.9%	1.0%	1.1%	0.9%	0.3%	-0.3%	0.1%	0.0%	0.1%	0.2%	1.28	0.62	1.12	0.99	1.08	1.22	9	-14	1	-4	1	8
Manly	GRN	740	785	164	5632	211	571	8103	21.6%	18.7%	20.4%	17.1%	11.2%	14.4%	17.1%	4.5%	1.6%	3.3%	-0.1%	-5.9%	-2.7%	1.26	1.09	1.19	1.00	0.65	0.84	153	67	26	-25	-112	-109
Manly	LAB/CLP	457	496	107	4196	230	612	6098	13.3%	11.8%	13.3%	12.7%	12.2%	15.4%	12.9%	0.4%	-1.1%	0.4%	-0.2%	-0.7%	2.5%	1.03	0.92	1.03	0.99	0.95	1.20	15	-45	3	-62	-13	100
Manly	LIB/NP	2132	2853	512	22554	1404	2705	32160	62.2%	68.0%	63.8%	68.3%	74.6%	68.2%	68.0%	-5.8%	0.0%	-4.2%	0.3%	6.6%	0.2%	0.91	1.00	0.94	1.00	1.10	1.00	-198	2	-34	100	124	6
Manly	NLT	59	36	12	352	20	38	517	1.7%	0.9%	1.5%	1.1%	1.1%	1.0%	1.1%	0.6%	-0.2%	0.4%	0.0%	0.0%	-0.1%	1.58	0.79	1.37	0.98	0.97	0.88	22	-10	3	-9	-1	-5
Maroubra	CDP	67	50	9	433	30	83	672	2.1%	1.5%	1.4%	1.4%	1.8%	1.4%	1.4%	0.7%	0.1%	0.0%	-0.1%	0.3%	-0.1%	1.46	1.06	0.99	0.95	1.23	0.93	21	3	0	-23	6	-6
Maroubra	GRN	477	410	72	2708	89	351	4107	15.0%	12.5%	11.4%	8.6%	5.3%	5.7%	8.8%	6.2%	3.7%	2.6%	-0.3%	-3.6%	-3.1%	1.70	1.42	1.30	0.97	0.60	0.65	196	121	16	-82	-60	-192
Maroubra	LAB/CLP	1449	1492	320	16751	827	3519	24358	45.6%	45.6%	50.9%	53.0%	49.0%	57.3%	52.4%	-6.8%	-6.8%	-1.5%	0.7%	-3.4%	4.9%	0.87	0.87	0.97	1.01	0.93	1.09	-216	-223	-10	207	-58	300
Maroubra	LIB/NP	1089	1237	211	11096	701	2106	16440	34.3%	37.8%	33.5%	35.1%	41.5%	34.3%	35.4%	-1.1%	2.4%	-1.8%	-0.2%	6.1%	-1.1%	0.97	1.07	0.95	0.99	1.17	0.97	-35	80	-11	-70	104	-67
Maroubra	NLT	97	84	17	592	42	86	918	3.1%	2.6%	2.7%	1.9%	2.5%	1.4%	2.0%	1.1%	0.6%	0.7%	-0.1%	0.5%	-0.6%	1.55	1.30	1.37	0.95	1.26	0.71	34	19	5	-32	9	-35
Miranda	CDP	123	82	30	1579	86	239	2139	4.3%	2.8%	4.7%	4.5%	3.2%	4.4%	4.3%	0.0%	-1.5%	0.4%	0.2%	-1.2%	0.1%	1.00	0.65	1.09	1.04	0.73	1.02	0	-44	3	68	-32	5
Miranda	GRN	317	299	54	2387	132	261	3450	11.2%	10.3%	8.5%	6.8%	4.8%	4.8%	7.0%	4.2%	3.3%	1.5%	-0.1%	-2.1%	-2.2%	1.60	1.47	1.22	0.98	0.69	0.69	119	96	10	-50	-58	-116
Miranda	IND	112	104	17	697	63	116	1109	3.9%	3.6%	2.7%	2.0%	2.3%	2.1%	2.2%	1.7%	1.3%	0.4%	-0.2%	0.1%	-0.1%	1.76	1.59	1.19	0.89	1.03	0.96	48	39	3	-86	2	-5
Miranda	LAB/CLP	863	821	186	10179	753	1852	14654	30.4%	28.2%	29.3%	29.1%	27.6%	34.2%	29.6%	0.8%	-1.4%	-0.3%	-0.5%	-2.0%	4.6%	1.03	0.95	0.99	0.98	0.93	1.16	23	-42	-2	-173	-54	249
Miranda	LIB/NP	1331	1526	327	19612	1652	2877	27325	46.9%	52.4%	51.5%	56.1%	60.6%	53.2%	55.3%	-8.3%	-2.8%	-3.8%	0.9%	5.4%	-2.1%	0.85	0.95	0.93	1.02	1.10	0.96	-236	-83	-24	308	146	-112
Miranda	NLT	90	80	21	483	39	64	777	3.2%	2.7%	3.3%	1.4%	1.4%	1.2%	1.6%	1.6%	1.2%	1.7%	-0.2%	-0.1%	-0.4%	2.02	1.75	2.10	0.88	0.91	0.75	45	34	11	-66	-4	-21
Monaro	CDP	33	45	21	367	22	125	613	1.7%	1.4%	2.6%	1.3%	1.2%	1.2%	1.3%	0.3%	0.1%	1.3%	0.0%	-0.1%	-0.2%	1.25	1.07	1.96	1.00	0.93	0.87	7	3	10	0	-2	-18
Monaro	GRN	260	359	70	2188	139	604	3620	13.1%	11.3%	8.7%	7.9%	7.8%	5.6%	7.8%	5.2%	3.5%	0.8%	0.1%	0.0%	-2.2%	1.67	1.44	1.11	1.01	0.99	0.72	104	110	7	20	-1	-241
Monaro	LAB/CLP	687	1166	334	11378	616	4580	18761	34.6%	36.7%	41.4%	41.1%	34.5%	42.5%	40.6%	-6.0%	-3.9%	0.8%	0.5%	-6.1%	1.9%	0.85	0.90	1.02	1.01	0.85	1.05	-120	-125	7	144	-109	203
Monaro	LIB/NP	934	1543	366	13349	982	5344	22518	47.0%	48.5%	45.4%	48.3%	55.0%	49.6%	48.7%	-1.8%	-0.2%	-3.3%	-0.5%	6.3%	0.8%	0.96	1.00	0.93	0.99	1.13	1.02	-35	-6	-27	-135	112	91
Monaro	NLT	74	66	15	384	26	126	691	3.7%	2.1%	1.9%	1.4%	1.5%	1.2%	1.5%	2.2%	0.6%	0.4%	-0.1%	0.0%	-0.3%	2.49	1.39	1.24	0.93	0.97	0.78	44	18	3	-30	-1	-35
Mount Druitt	CDP	238	147	32	1594	67	372	2450	6.9%	5.3%	4.9%	5.4%	5.6%	5.1%	5.5%	1.5%	-0.1%	-0.6%	-0.1%	0.1%	-0.4%	1.27	0.97	0.90	0.99	1.03	0.93	51	-4	-4	-17	2	-28
Mount Druitt	GRN	281	227	52	1435	40	265	2300	8.2%	8.2%	7.9%	4.9%	3.3%	3.6%	5.1%	3.1%	3.1%	2.8%	-0.3%	-1.8%	-1.5%	1.60	1.60	1.55	0.95	0.65	0.71	105	85	18	-78	-21	-110
Mount Druitt	LAB/CLP	1761	1445	371	16582	604	4697	25460	51.2%	52.2%	56.6%	56.1%	50.5%	64.1%	56.6%	-5.4%	-4.5%	0.0%	-0.5%	-6.2%	7.4%	0.90	0.92	1.00	0.99	0.89	1.13	-186	-124	0	-161	-74	545
Mount Druitt	LIB/NP	972	832	176	8853	456	1839	13128	28.3%	30.0%	26.9%	30.0%	38.1%	25.1%	29.2%	-0.9%	0.8%	-2.3%	0.7%	8.9%	-4.1%	0.97	1.03	0.92	1.03	1.30	0.86	-32	23	-15	220	106	-302
Mount Druitt	NLT	185	119	24	1095	30	157	1610	5.4%	4.3%	3.7%	3.7%	2.5%	2.1%	3.6%	1.8%	0.7%	0.1%	0.1%	-1.1%	-1.4%	1.50	1.20	1.02	1.03	0.70	0.60						

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP	FP	FP	FP	FP	FP	FP	%	%	%	%	%	%	Average	Diff. %	Diff. %	Diff. %	Diff. %	Diff. %	Diff. %	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Delta	Delta	Delta	Delta	Delta	Delta
		Absent	iVote	Misc.	Place	Postal	Pre-poll	Grand Total	Absent	iVote	Misc.	Place	Postal	Pre-poll	%	Absent	iVote	Misc.	Place	Postal	Pre-poll	Absent	iVote	Misc.	Place	Postal	Pre-poll	Absent	iVote	Misc.	Place	Postal	Pre-poll
Newtown	AJP	132	139	29	577	32	80	989	3.0%	2.6%	2.8%	2.0%	2.2%	1.8%	2.2%	0.8%	0.4%	0.6%	-0.2%	0.0%	-0.4%	1.38	1.19	1.30	0.92	1.02	0.83	36	22	7	-49	0	-17
Newtown	CDP	59	33	12	275	31	43	453	4.1%	0.6%	1.2%	1.0%	2.1%	1.0%	1.0%	0.3%	-0.4%	0.2%	0.0%	1.1%	0.0%	1.35	0.62	1.17	0.96	2.15	0.97	15	-20	2	-12	17	-1
Newtown	GRN	1835	2466	510	13486	480	1912	20689	13.9%	46.1%	49.7%	46.9%	33.2%	43.1%	45.6%	-3.7%	0.5%	4.1%	1.3%	-12.4%	-2.5%	0.92	1.01	1.09	1.03	0.73	0.94	-163	26	42	385	-179	-112
Newtown	LAB/CLP	1291	1507	274	8804	544	1558	13978	29.4%	28.1%	26.7%	30.6%	37.6%	35.1%	30.8%	-1.3%	-2.6%	-4.1%	-0.2%	6.8%	4.3%	0.96	0.91	0.87	0.99	1.22	1.14	-59	-142	-42	-47	99	191
Newtown	LIB/NP	911	1041	172	4886	319	745	8074	20.8%	19.4%	16.8%	17.0%	22.1%	16.8%	17.8%	3.0%	1.7%	-1.0%	-0.8%	4.3%	-1.0%	1.17	1.09	0.94	0.96	1.24	0.94	131	89	-10	-227	62	-45
Newtown	Misc.	96	116	20	508	22	66	828	2.2%	2.2%	1.9%	1.8%	1.5%	1.5%	1.8%	0.4%	0.3%	0.1%	-0.1%	-0.3%	-0.3%	1.20	1.19	1.07	0.97	0.83	0.81	16	18	1	-16	-4	-15
Newtown	NLT	60	52	9	210	18	37	386	1.4%	1.0%	0.9%	0.7%	1.2%	0.8%	0.9%	0.5%	0.1%	0.0%	-0.1%	0.4%	0.0%	1.61	1.14	1.03	0.86	1.46	0.98	23	6	0	-34	6	-1
North Shore	CDP	51	56	10	232	20	17	386	1.3%	1.0%	1.4%	0.7%	0.9%	0.7%	0.8%	0.5%	0.2%	0.6%	-0.1%	0.1%	-0.1%	1.54	1.22	1.71	0.88	1.12	0.83	18	10	4	-31	2	-3
North Shore	GRN	747	887	128	4424	228	341	6755	18.8%	16.1%	18.2%	14.1%	10.7%	13.9%	14.6%	4.2%	1.5%	3.6%	-0.6%	-3.9%	-0.7%	1.29	1.10	1.25	0.96	0.73	0.95	168	80	25	-173	-84	-16
North Shore	IND	225	264	58	3778	171	159	4655	5.7%	4.8%	8.3%	12.0%	8.0%	6.5%	10.1%	-4.4%	-5.3%	-1.8%	1.9%	-2.1%	-3.6%	0.56	0.47	0.82	1.19	0.79	0.65	-174	-292	-13	610	-44	-87
North Shore	LAB/CLP	599	861	107	4125	277	409	6378	15.1%	15.6%	15.2%	13.1%	13.0%	16.7%	13.8%	1.3%	1.8%	1.5%	-0.7%	-0.8%	2.9%	1.10	1.13	1.11	0.95	0.94	1.21	52	99	10	-216	-18	72
North Shore	LIB/NP	2199	3227	383	18171	1415	1458	26853	55.4%	58.4%	54.6%	57.7%	66.2%	59.6%	58.1%	-2.6%	0.4%	-3.5%	-0.3%	8.1%	1.6%	0.95	1.01	0.94	0.99	1.14	1.03	-104	21	-25	-104	174	38
North Shore	Misc.	101	138	9	536	14	40	838	2.5%	2.5%	1.3%	1.7%	0.7%	1.6%	1.8%	0.7%	0.7%	-0.5%	-0.1%	-1.2%	-0.2%	1.41	1.38	0.71	0.94	0.36	0.90	29	38	-4	-34	-25	-4
North Shore	NLT	45	90	7	213	13	22	390	1.1%	1.6%	1.0%	0.7%	0.6%	0.9%	0.8%	0.3%	0.8%	0.2%	-0.2%	0.1%	0.0%	1.35	1.93	1.18	0.80	0.72	1.07	12	43	1	-52	-5	1
Northern Tablelands	CDP	56	54	30	678	37	260	1115	3.0%	2.1%	4.0%	2.4%	1.9%	1.9%	2.3%	0.7%	-0.2%	1.7%	0.1%	-0.4%	-0.4%	1.29	0.92	1.72	1.06	0.84	0.84	13	-5	13	38	-7	-51
Northern Tablelands	GRN	195	199	67	2084	80	828	3453	10.3%	7.8%	8.9%	7.5%	4.2%	6.1%	7.1%	3.2%	0.7%	1.7%	0.4%	-3.0%	-1.0%	1.45	1.10	1.24	1.05	0.59	0.86	60	17	13	102	-57	-136
Northern Tablelands	IND	160	216	52	2046	146	851	3471	8.5%	8.5%	6.9%	7.4%	7.6%	6.3%	7.2%	1.3%	1.3%	-0.3%	0.2%	0.5%	-0.9%	1.18	1.18	0.96	1.03	1.06	0.88	25	34	-2	54	9	-118
Northern Tablelands	LAB/CLP	339	315	128	4709	213	1869	7573	18.0%	12.4%	16.9%	17.0%	11.1%	13.8%	15.7%	2.3%	-3.3%	1.3%	1.3%	-4.5%	-1.8%	1.15	0.79	1.08	1.08	0.71	0.88	44	-83	10	362	-87	-246
Northern Tablelands	LIB/NP	1093	1741	467	17936	1424	9586	32247	58.0%	68.5%	61.8%	64.6%	74.4%	71.0%	66.7%	-8.7%	1.8%	-4.9%	-2.1%	7.7%	4.3%	0.87	1.03	0.93	0.97	1.12	1.06	-165	46	-37	-573	148	581
Northern Tablelands	NLT	43	17	12	297	13	107	489	2.3%	0.7%	1.6%	1.1%	0.7%	0.8%	1.0%	1.3%	-0.3%	0.6%	0.1%	-0.3%	-0.2%	2.25	0.66	1.57	1.06	0.67	0.78	24	-9	4	16	-6	-30
Oatley	CDP	99	85	22	1091	81	129	1507	4.0%	3.2%	3.3%	3.1%	2.8%	3.1%	3.1%	0.9%	0.0%	0.2%	0.0%	-0.3%	0.0%	1.28	1.01	1.06	0.99	0.89	0.98	22	1	1	-12	-10	-2
Oatley	GRN	322	287	67	2489	128	283	3576	13.0%	10.7%	10.1%	7.1%	4.4%	6.8%	7.4%	5.6%	3.2%	2.7%	-0.4%	-3.0%	-0.7%	1.75	1.44	1.36	0.95	0.59	0.91	138	87	18	-128	-87	-28
Oatley	LAB/CLP	787	916	258	12924	918	1733	17536	31.8%	34.1%	38.9%	36.7%	31.7%	41.4%	36.4%	-4.6%	-2.4%	2.5%	0.3%	-4.7%	5.0%	0.87	0.93	1.07	1.01	0.87	1.14	-113	-64	16	90	-138	209
Oatley	LIB/NP	1190	1316	302	18097	1724	1988	24617	48.2%	48.9%	45.6%	51.4%	59.5%	47.5%	51.1%	-3.0%	-2.2%	-5.6%	0.2%	8.4%	-3.6%	0.94	0.96	0.89	1.00	1.16	0.93	-74	-60	-37	81	242	-152
Oatley	NLT	73	86	14	624	46	51	894	3.0%	3.2%	2.1%	1.8%	1.6%	1.2%	1.9%	1.1%	1.3%	0.3%	-0.1%	-0.3%	-0.6%	1.59	1.72	1.14	0.95	0.85	0.66	27	36	2	-30	-8	-27
Orange	CDP	87	52	21	830	41	231	1262	3.4%	2.6%	2.7%	2.5%	3.6%	2.5%	2.6%	0.8%	0.0%	0.1%	-0.1%	1.1%	-0.1%	1.32	1.02	1.04	0.97	1.41	0.95	21	1	1	-22	12	-12
Orange	GRN	286	185	67	2258	47	452	3295	11.2%	9.4%	8.6%	6.9%	4.2%	4.8%	6.8%	4.5%	2.6%	1.8%	0.1%	-2.6%	-2.0%	1.66	1.38	1.27	1.01	0.62	0.71	114	51	14	33	-29	-184
Orange	LAB/CLP	578	425	235	7822	237	2097	11394	22.7%	21.5%	30.1%	23.7%	21.0%	22.3%	23.4%	-0.6%	-1.9%	6.8%	0.4%	-2.3%	-1.1%	0.97	0.92	1.29	1.02	0.90	0.95	-16	-37	53	128	-26	-101
Orange	LIB/NP	1514	1272	435	21480	786	6511	31998	59.5%	64.3%	55.8%	65.2%	69.8%	69.2%	65.6%	-6.1%	-1.3%	-9.8%	-0.4%	4.2%	3.6%	0.91	0.98	0.85	0.99	1.06	1.05	-155	-25	-77	-128	47	337
Orange	NLT	79	44	22	555	15	122	837	3.1%	2.2%	2.8%	1.7%	1.3%	1.3%	1.7%	1.4%	0.5%	1.1%	0.0%	-0.4%	-0.4%	1.81	1.30	1.64	0.98	0.78	0.76	35	10	9	-10	-4	-39
Oxley	CDP	111	57	21	900	65	228	1382	3.6%	3.0%	2.8%	2.8%	3.8%	3.6%	3.0%	0.7%	0.0%	-0.2%	-0.2%	0.8%	0.6%	1.22	1.00	0.93	0.93	1.28	1.20	20	0	-2	-71	14	38
Oxley	GRN	667	388	115	5114	192	556	7032	21.8%	20.2%	15.1%	15.7%	11.3%	8.7%	15.1%	6.7%	5.1%	0.0%	0.5%	-3.9%	-6.4%	1.44	1.33	1.00	1.04	0.74	0.57	205	97	0	175	-66	-412
Oxley	LAB/CLP	784	472	234	8631	412	1881	12414	25.7%	24.5%	30.7%	26.4%	24.2%	29.4%	26.7%	-1.0%	-2.1%	4.0%	-0.3%	-2.5%	2.7%	0.96	0.92	1.15	0.99	0.91	1.10	-31	-41	31	-88	-43	173
Oxley	LIB/NP	1355	947	354	17235	999	3614	24504	44.4%	49.2%	46.5%	52.7%	58.6%	56.5%	52.7%	-8.3%	-3.4%	-6.2%	0.1%	5.9%	3.8%	0.84	0.93	0.88	1.00	1.11	1.07	-254	-66	-47	24	101	242
Oxley	NLT	137	59	38	794	37	122	1187	4.5%	3.1%	5.0%	2.4%	2.2%	1.9%	2.6%	1.9%	0.5%	2.4%	-0.1%	-0.4%	-0.6%	1.76	1.20	1.95	0.95	0.85	0.75	59	10	19	-40	-7	-41
Parramatta	CDP	210	108	25	1067	120	73	1603	5.4%	2.7%	3.3%	3.3%	3.4%	2.8%	3.4%	2.0%	-0.7%	-0.1%	-0.1%	0.1%	-0.6%	1.59	0.80	0.97	0.97	1.02	0.83	78	-27	-1	-38	2	-15
Parramatta	GRN	443	417	63	2651	201	203	3978	11.3%	10.5%	8.2%	8.1%	5.8%	7.8%	8.4%	2.9%	2.1%	-0.1%	-0.3%	-2.6%	-0.6%	1.35	1.25	0.98	0.97	0.69	0.93	115	83	-1	-91	-91	-15
Parramatta	IND	210	181	34	1358	118	108	2009	5.4%	4.5%	4.5%	4.2%	3.4%																				

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta iVotes	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Riverstone	CDP	237	201	45	1674	94	274	2525	6.7%	5.2%	6.7%	5.3%	3.8%	5.5%	5.4%	1.3%	-0.2%	1.3%	-0.1%	-1.6%	0.1%	1.25	0.96	1.25	0.99	0.71	1.02	48	-7	9	-17	-38	6
Riverstone	GRN	260	273	42	1694	96	176	2541	7.4%	7.0%	6.3%	5.4%	3.9%	3.5%	5.4%	2.0%	1.6%	0.9%	0.0%	-1.5%	-1.9%	1.36	1.30	1.16	1.00	0.72	0.65	69	63	6	-8	-37	-94
Riverstone	LAB/CLP	1181	1177	237	9768	697	1759	14819	33.5%	30.4%	35.4%	31.1%	28.4%	35.3%	31.6%	2.0%	-1.2%	3.8%	-0.5%	-3.2%	3.7%	1.06	0.96	1.12	0.98	0.90	1.12	69	-46	26	-158	-78	187
Riverstone	LIB/NP	1718	2084	315	17624	1480	2697	25918	48.8%	53.8%	47.0%	56.0%	60.3%	54.1%	55.2%	-6.4%	-1.4%	-8.2%	0.8%	5.1%	-1.1%	0.88	0.97	0.85	1.02	1.09	0.98	-227	-54	-55	264	124	-53
Riverstone	NLT	127	139	31	690	89	76	1152	3.6%	3.6%	4.6%	2.2%	3.6%	1.5%	2.5%	1.2%	1.1%	2.2%	-0.3%	1.2%	-0.9%	1.47	1.46	1.89	0.89	1.48	0.62	41	44	15	-82	29	-46
Rockdale	CDP	130	83	28	1034	43	180	1498	4.1%	3.0%	3.9%	3.2%	2.2%	3.7%	3.2%	0.8%	-0.3%	0.6%	-0.1%	-1.0%	0.5%	1.26	0.92	1.20	0.97	0.68	1.15	27	-7	5	-27	-20	23
Rockdale	GRN	358	306	74	2135	110	211	3194	11.2%	11.0%	10.3%	6.5%	5.7%	4.4%	6.9%	4.3%	4.1%	3.4%	-0.4%	-1.2%	-2.6%	1.63	1.59	1.49	0.94	0.82	0.63	138	114	24	-128	-24	-124
Rockdale	IND	79	61	12	765	26	66	1009	2.5%	2.2%	1.7%	2.3%	1.3%	1.4%	2.2%	0.3%	0.0%	-0.5%	0.2%	-0.8%	-0.8%	1.14	1.00	0.76	1.07	0.61	0.62	10	0	-4	50	-16	-40
Rockdale	LAB/CLP	1257	1057	291	15253	752	2632	21242	39.4%	37.9%	40.4%	46.5%	38.7%	54.3%	45.9%	-6.5%	-8.0%	-5.5%	0.6%	-7.2%	8.4%	0.86	0.83	0.88	1.01	0.84	1.18	-206	-222	-40	202	-139	406
Rockdale	LIB/NP	1251	1193	295	12787	980	1676	18182	39.3%	42.8%	40.9%	39.0%	50.5%	34.6%	39.3%	0.0%	3.5%	1.6%	-0.3%	11.2%	-4.7%	1.00	1.09	1.04	0.99	1.28	0.88	-1	98	12	-96	217	-229
Rockdale	NLT	112	87	21	818	31	85	1154	3.5%	3.1%	2.9%	2.5%	1.6%	1.8%	2.5%	1.0%	0.6%	0.4%	0.0%	-0.9%	-0.7%	1.41	1.25	1.17	1.00	0.64	0.70	33	18	3	0	-17	-36
Ryde	CDP	120	131	39	1508	97	139	2034	3.9%	3.3%	4.9%	4.3%	4.0%	4.2%	4.2%	-0.3%	-0.9%	0.7%	0.1%	-0.2%	0.0%	0.93	0.78	1.17	1.03	0.95	1.00	-9	-36	6	44	-5	0
Ryde	GRN	454	520	121	3964	162	327	5548	14.9%	13.1%	15.3%	11.4%	6.7%	9.9%	11.5%	3.4%	1.6%	3.8%	-0.1%	-4.8%	-1.6%	1.29	1.14	1.33	0.99	0.58	0.86	103	64	30	-29	-116	-52
Ryde	LAB/CLP	858	1161	243	10141	619	936	13958	28.1%	29.3%	30.6%	29.2%	25.6%	28.4%	28.9%	-0.8%	0.4%	1.7%	0.3%	-3.3%	-0.5%	0.97	1.01	1.06	1.01	0.89	0.98	-25	14	14	94	-80	-18
Ryde	LIB/NP	1549	2064	370	18618	1503	1846	25950	50.7%	52.0%	46.7%	53.6%	62.2%	55.9%	53.7%	-3.0%	-1.7%	-7.1%	-0.2%	8.4%	2.2%	0.94	0.97	0.87	1.00	1.16	1.04	-92	-68	-56	-61	204	73
Ryde	NLT	74	91	20	532	37	52	806	2.4%	2.3%	2.5%	1.5%	1.5%	1.6%	1.7%	0.8%	0.6%	0.9%	-0.1%	-0.1%	-0.1%	1.45	1.37	1.51	0.92	0.92	0.94	23	25	7	-48	-3	-3
Seven Hills	CDP	164	113	28	1630	146	89	2170	4.4%	3.4%	5.3%	4.7%	4.3%	3.6%	4.5%	-0.1%	-1.1%	0.8%	0.2%	-0.2%	-0.9%	0.97	0.75	1.17	1.04	0.95	0.79	-5	-37	4	69	-8	-24
Seven Hills	GRN	343	340	43	2444	110	134	3414	9.2%	10.3%	8.1%	7.1%	3.2%	5.4%	7.1%	2.1%	3.2%	1.0%	0.0%	-3.9%	-1.7%	1.29	1.44	1.14	1.00	0.45	0.76	77	104	5	-12	-132	-43
Seven Hills	IND	181	174	26	1249	125	121	1876	4.8%	5.3%	4.9%	3.6%	3.7%	4.9%	3.9%	0.9%	1.3%	1.0%	-0.3%	-0.2%	1.0%	1.24	1.34	1.25	0.93	0.94	1.24	35	45	5	-100	-8	24
Seven Hills	LAB/CLP	1281	1138	175	11225	941	820	15580	34.3%	34.4%	33.1%	32.6%	27.7%	33.0%	32.5%	1.8%	1.9%	0.5%	0.1%	-4.8%	0.5%	1.05	1.06	1.02	1.00	0.85	1.01	67	63	3	19	-162	12
Seven Hills	LIB/NP	1632	1455	236	17190	2004	1272	23789	43.7%	44.0%	44.6%	49.9%	59.1%	51.2%	49.7%	-6.0%	-5.7%	-5.1%	0.2%	9.4%	1.5%	0.88	0.89	0.90	1.00	1.19	1.03	-222	-187	-27	79	319	38
Seven Hills	NLT	131	85	21	701	65	48	1051	3.5%	2.6%	4.0%	2.0%	1.9%	1.9%	2.2%	1.3%	0.4%	1.8%	-0.2%	-0.3%	-0.3%	1.60	1.17	1.81	0.93	0.87	0.88	49	12	9	-55	-9	-7
Shellharbour	CDP	67	60	12	997	59	294	1489	3.0%	2.7%	2.1%	3.1%	3.7%	2.4%	2.9%	0.1%	-0.3%	-0.9%	0.2%	0.8%	-0.5%	1.02	0.91	0.70	1.06	1.28	0.82	1	-6	-5	61	13	-64
Shellharbour	GRN	306	205	74	3070	94	1002	4751	13.6%	9.1%	12.7%	9.6%	6.0%	8.2%	9.3%	4.2%	-0.2%	3.4%	0.3%	-3.3%	-1.1%	1.46	0.98	1.36	1.03	0.64	0.88	96	-5	20	83	-53	-141
Shellharbour	IND	139	139	46	2330	116	1092	3862	6.2%	6.2%	7.9%	7.3%	7.4%	8.9%	7.6%	-1.4%	-1.4%	0.3%	-0.3%	-0.2%	1.3%	0.81	0.82	1.04	0.96	0.97	1.18	-32	-31	2	-98	-3	163
Shellharbour	LAB/CLP	1095	1171	312	17134	807	6378	26897	48.5%	52.0%	53.5%	53.4%	51.2%	52.0%	52.7%	-4.2%	-0.7%	0.8%	0.7%	-1.5%	-0.8%	0.92	0.99	1.01	1.01	0.97	0.99	-95	-16	5	223	-24	-93
Shellharbour	LIB/NP	589	623	122	7960	481	3350	13125	26.1%	27.7%	20.9%	24.8%	30.5%	27.3%	25.7%	0.4%	2.0%	-4.8%	-0.9%	4.8%	1.6%	1.01	1.08	0.81	0.96	1.19	1.06	8	44	-28	-292	76	192
Shellharbour	NLT	60	52	17	574	18	154	875	2.7%	2.3%	2.9%	1.8%	1.1%	1.3%	1.7%	0.9%	0.6%	1.2%	0.1%	-0.6%	-0.5%	1.55	1.35	1.70	1.04	0.67	0.73	21	13	7	24	-9	-57
South Coast	CDP	67	47	21	712	42	319	1208	2.6%	2.4%	2.2%	2.7%	2.2%	2.6%	2.6%	0.0%	-0.2%	-0.4%	0.1%	-0.5%	0.0%	1.00	0.91	0.84	1.02	0.82	1.00	0	-5	-4	17	-9	1
South Coast	GRN	437	340	122	3453	168	1407	5927	17.3%	17.4%	12.9%	13.1%	8.6%	11.7%	12.9%	4.3%	4.4%	-0.1%	0.2%	-4.3%	-1.3%	1.33	1.34	1.00	1.01	0.67	0.90	109	87	-1	44	-84	-155
South Coast	LAB/CLP	679	528	281	8501	558	3368	13915	26.8%	27.0%	29.7%	32.3%	28.7%	27.9%	30.4%	-3.6%	-3.4%	-0.7%	1.9%	-1.7%	-2.5%	0.88	0.89	0.98	1.06	0.94	0.92	-90	-66	-7	497	-34	-300
South Coast	LIB/NP	1255	1008	501	13286	1148	6842	24040	49.6%	51.5%	52.9%	50.4%	59.0%	56.7%	52.5%	-2.9%	-1.0%	0.4%	-2.1%	6.5%	4.2%	0.94	0.98	1.01	0.96	1.12	1.08	-74	-19	4	-542	126	505
South Coast	NLT	94	33	22	390	31	136	706	3.7%	1.7%	2.3%	1.5%	1.6%	1.1%	1.5%	2.2%	0.1%	0.8%	-0.1%	0.1%	-0.4%	2.41	1.09	1.51	0.96	1.03	0.73	55	3	7	-16	1	-50
Strathfield	CDP	194	128	23	970	108	150	1573	5.5%	3.4%	3.0%	3.1%	3.8%	3.6%	3.4%	2.2%	0.0%	-0.4%	-0.3%	0.4%	0.2%	1.64	1.00	0.87	0.91	1.13	1.07	76	0	-3	-94	12	9
Strathfield	GRN	498	473	92	2747	198	284	4292	14.2%	12.5%	11.8%	8.7%	7.0%	6.8%	9.2%	5.0%	3.3%	2.6%	-0.5%	-2.2%	-2.4%	1.54	1.35	1.28	0.95	0.76	0.74	176	124	20	-157	-63	-100
Strathfield	LAB/CLP	1389	1539	374	13503	1074	1842	19721	39.7%	40.6%	48.0%	42.9%	37.9%	44.3%	42.4%	-2.6%	-1.7%	5.7%	0.5%	-4.4%	1.9%	0.94	0.96	1.13	1.01	0.90	1.04	-93	-65	44	160	-126	79
Strathfield	LIB/NP	1285	1522	271	13615	1384	1807	19884	36.7%	40.2%	34.8%	43.2%	48.9%	43.4%	42.7%	-6.0%	-2.5%	-7.9%	0.5%	6.1%	0.7%	0.86	0.94	0.81	1.01	1.14	1.02	-209	-95	-62	162	174	30
Strathfield	NLT	132	125	19	668	69	79	1092	3.8%	3.3%	2.4%	2.1%	2.4%	1.9%	2.3%	1.4%	1.0%	0.1%	-0.2%	0.1%	-0.4%	1.61	1.41	1.04	0.90	1.04	0.8						

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Terrigal	CDP	150	71	28	1067	59	189	1564	4.0%	2.7%	4.8%	3.2%	2.5%	3.2%	3.2%	0.8%	-0.5%	1.6%	0.0%	-0.7%	0.0%	1.25	0.85	1.50	0.99	0.79	1.01	30	-13	9	-13	-16	3
Terrigal	GRN	663	406	67	3979	162	505	5782	17.6%	15.5%	11.5%	11.8%	6.9%	8.7%	11.8%	5.8%	3.7%	-0.3%	0.0%	-4.9%	-3.2%	1.49	1.31	0.97	1.00	0.58	0.73	219	96	-2	-13	-116	-184
Terrigal	LAB/CLP	1095	809	180	10774	641	1839	15338	29.1%	30.9%	30.9%	31.9%	27.3%	31.6%	31.4%	-2.2%	-0.5%	-0.5%	0.5%	-4.1%	0.2%	0.93	0.98	0.99	1.02	0.87	1.01	-84	-14	-3	183	-95	12
Terrigal	LIB/NP	1729	1274	294	17329	1454	3217	25297	46.0%	48.6%	50.5%	51.3%	62.0%	55.3%	51.8%	-5.7%	-3.2%	-1.2%	-0.4%	10.2%	3.5%	0.89	0.94	0.98	0.99	1.20	1.07	-216	-83	-7	-138	240	204
Terrigal	NLT	120	62	13	598	30	71	894	3.2%	2.4%	2.2%	1.8%	1.3%	1.2%	1.8%	1.4%	0.5%	0.4%	-0.1%	-0.6%	-0.6%	1.75	1.29	1.22	0.97	0.70	0.67	51	14	2	-19	-13	-35
The Entrance	CDP	108	52	18	912	57	154	1301	3.2%	2.4%	2.4%	2.8%	2.8%	2.1%	2.7%	0.5%	-0.3%	-0.3%	0.1%	0.1%	-0.6%	1.17	0.90	0.88	1.04	1.04	0.77	15	-6	-3	37	2	-46
The Entrance	GRN	480	263	85	3003	120	542	4493	14.1%	12.4%	11.2%	9.3%	5.9%	7.3%	9.4%	4.7%	3.0%	1.9%	-0.1%	-3.4%	-2.0%	1.50	1.32	1.20	0.99	0.63	0.78	160	64	14	-19	-70	-150
The Entrance	LAB/CLP	1321	814	346	13603	782	3220	20086	38.7%	38.3%	45.8%	42.2%	38.7%	43.6%	41.9%	-3.2%	-3.5%	3.9%	0.3%	-3.2%	1.7%	0.92	0.92	1.09	1.01	0.92	1.04	-108	-75	29	94	-65	126
The Entrance	LIB/NP	1377	922	284	14093	1027	3346	21049	40.3%	43.4%	37.6%	43.7%	50.8%	45.3%	43.9%	-3.5%	-0.5%	-6.3%	-0.2%	6.9%	1.4%	0.92	0.99	0.86	1.00	1.16	1.03	-121	-10	-48	-64	139	104
The Entrance	NLT	127	72	23	646	37	126	1031	3.7%	3.4%	3.0%	2.0%	1.8%	1.7%	2.1%	1.6%	1.2%	0.9%	-0.1%	-0.3%	-0.4%	1.73	1.58	1.42	0.93	0.85	0.79	54	26	7	-47	-6	-33
Tweed	CDP	22	30	14	409	31	112	618	2.0%	1.3%	2.1%	1.5%	2.1%	1.1%	1.4%	0.6%	-0.1%	0.7%	0.1%	0.7%	-0.3%	1.41	0.91	1.52	1.04	1.49	0.77	6	-3	5	16	10	-34
Tweed	GRN	252	412	117	4183	121	779	5864	22.6%	17.4%	17.8%	14.9%	8.1%	7.5%	13.3%	9.4%	4.1%	4.5%	1.6%	-5.1%	-5.8%	1.71	1.31	1.34	1.12	0.61	0.56	104	98	30	452	-77	-607
Tweed	LAB/CLP	359	743	220	10073	494	3978	15867	32.3%	31.4%	33.4%	35.8%	33.2%	38.1%	35.9%	-3.7%	-4.5%	-2.5%	-0.1%	-2.8%	2.2%	0.90	0.87	0.93	1.00	0.92	1.06	-41	-107	-16	-23	-41	227
Tweed	LIB/NP	434	1109	281	12749	815	5412	20800	39.0%	46.9%	42.7%	45.3%	54.7%	51.8%	47.1%	-8.1%	-0.2%	-4.4%	-1.7%	7.6%	4.7%	0.83	1.00	0.91	0.96	1.16	1.10	-90	-5	-29	-485	114	495
Tweed	NLT	46	72	26	703	29	166	1042	4.1%	3.0%	4.0%	2.5%	1.9%	1.6%	2.4%	1.8%	0.7%	1.6%	0.1%	-0.4%	-0.8%	1.75	1.29	1.68	1.06	0.83	0.67	20	16	10	40	-6	-80
Upper Hunter	CDP	124	50	15	577	35	202	1003	3.4%	2.2%	2.4%	2.1%	1.8%	1.8%	2.1%	1.3%	0.1%	0.2%	0.0%	-0.3%	-0.3%	1.62	1.04	1.11	0.98	0.84	0.86	48	2	2	-13	-7	-32
Upper Hunter	GRN	376	204	51	1448	98	431	2608	10.4%	9.0%	8.0%	5.2%	5.0%	3.9%	5.5%	4.9%	3.5%	2.5%	-0.3%	-0.5%	-1.6%	1.89	1.63	1.45	0.94	0.90	0.71	178	79	16	-85	-10	-177
Upper Hunter	IND	520	422	110	5580	318	2220	9170	14.4%	18.6%	17.3%	20.1%	16.2%	20.1%	19.4%	-4.9%	-0.8%	-2.1%	0.7%	-3.2%	0.8%	0.75	0.96	0.89	1.04	0.83	1.04	-178	-18	-13	189	-63	83
Upper Hunter	LAB/CLP	1143	642	228	8796	482	4096	15387	31.8%	28.3%	35.8%	31.6%	24.5%	37.2%	32.5%	-0.8%	-4.2%	3.3%	-0.9%	-8.0%	4.6%	0.98	0.87	1.10	0.97	0.75	1.14	-28	-96	21	-250	-158	510
Upper Hunter	LIB/NP	1300	902	213	10980	1013	3976	18384	36.1%	39.8%	33.5%	39.5%	51.5%	36.1%	38.9%	-2.7%	0.9%	-5.4%	0.6%	12.7%	-2.8%	0.93	1.02	0.86	1.02	1.33	0.93	-99	20	-34	173	249	-309
Upper Hunter	NLT	136	48	19	423	20	98	744	3.8%	2.1%	3.0%	1.5%	1.0%	0.9%	1.6%	2.2%	0.5%	1.4%	-0.1%	-0.6%	-0.7%	2.40	1.35	1.90	0.97	0.65	0.57	79	12	9	-14	-11	-75
Vaucluse	CDP	49	30	4	211	37	56	387	1.5%	0.7%	0.7%	0.7%	1.0%	0.9%	0.8%	0.7%	-0.2%	-0.1%	-0.1%	0.2%	0.1%	1.80	0.81	0.85	0.89	1.21	1.13	22	-7	-1	-27	6	7
Vaucluse	GRN	908	896	111	5592	296	756	8559	27.9%	20.2%	19.7%	19.7%	8.1%	12.8%	18.5%	9.4%	1.7%	1.1%	1.2%	-10.4%	-5.7%	1.50	1.09	1.06	1.06	0.44	0.69	305	74	6	333	-379	-338
Vaucluse	LAB/CLP	505	633	108	3654	405	785	6090	15.5%	14.3%	19.1%	12.9%	11.1%	13.3%	13.2%	2.3%	1.1%	6.0%	-0.3%	-2.1%	0.1%	1.18	1.08	1.45	0.98	0.84	1.01	76	48	34	-88	-76	7
Vaucluse	LIB/NP	1716	2756	324	18465	2815	4181	30257	52.8%	62.2%	57.4%	65.1%	77.3%	70.9%	65.6%	-12.8%	-3.4%	-8.1%	-0.4%	11.7%	5.3%	0.80	0.95	0.88	0.99	1.18	1.08	-417	-151	-46	-127	428	313
Vaucluse	NLT	75	119	17	434	88	121	854	2.3%	2.7%	3.0%	1.5%	2.4%	2.1%	1.9%	0.5%	0.8%	1.2%	-0.3%	0.6%	0.2%	1.25	1.45	1.63	0.83	1.31	1.11	15	37	7	-91	21	12
Wagga Wagga	CDP	38	41	25	732	51	224	1111	2.1%	1.9%	3.1%	2.5%	3.1%	2.0%	2.4%	-0.3%	-0.5%	0.7%	0.1%	0.7%	-0.4%	0.88	0.80	1.29	1.06	1.30	0.84	-5	-10	6	42	12	-44
Wagga Wagga	GRN	160	182	48	1465	51	414	2320	8.8%	8.5%	5.9%	5.1%	3.1%	3.7%	5.0%	3.9%	3.5%	0.9%	0.1%	-1.9%	-1.3%	1.78	1.70	1.19	1.02	0.62	0.74	70	75	8	24	-31	-145
Wagga Wagga	IND	137	235	58	2915	134	1044	4523	7.6%	10.9%	7.2%	10.1%	8.2%	9.3%	9.7%	-2.1%	1.2%	-2.5%	0.4%	-1.6%	-0.4%	0.78	1.13	0.74	1.04	0.84	0.96	-39	26	-21	105	-26	-47
Wagga Wagga	LAB/CLP	475	554	228	8212	346	3269	13084	26.2%	25.8%	28.1%	28.4%	21.0%	29.1%	28.1%	-1.8%	-2.3%	0.1%	0.3%	-7.0%	1.0%	0.93	0.92	1.00	1.01	0.75	1.04	-33	-49	1	83	-115	114
Wagga Wagga	LIB/NP	970	1100	433	15301	1051	6206	25061	53.6%	51.2%	53.5%	52.8%	63.9%	55.2%	53.8%	-0.2%	-2.6%	-0.3%	-0.9%	10.2%	1.5%	1.00	0.95	0.99	0.98	1.19	1.03	-3	-56	-2	-269	167	164
Wagga Wagga	NLT	30	38	18	336	11	82	515	1.7%	1.8%	2.2%	1.2%	0.7%	0.7%	1.1%	0.6%	0.7%	1.1%	0.1%	-0.4%	-0.4%	1.50	1.60	2.01	1.05	0.61	0.66	10	14	9	16	-7	-42
Wakehurst	CDP	77	52	16	958	61	95	1259	2.2%	1.7%	3.0%	2.7%	2.1%	3.4%	2.6%	-0.4%	-1.0%	0.4%	0.1%	-0.6%	0.8%	0.84	0.63	1.16	1.04	0.78	1.30	-15	-30	2	37	-17	22
Wakehurst	GRN	551	476	88	4102	238	272	5727	15.8%	15.3%	16.8%	11.7%	8.0%	9.8%	12.0%	3.9%	3.3%	4.8%	-0.2%	-3.9%	-2.2%	1.32	1.28	1.40	0.98	0.67	0.82	135	103	25	-86	-116	-60
Wakehurst	IND	108	98	19	1596	102	134	2057	3.1%	3.1%	3.6%	4.6%	3.4%	4.8%	4.3%	-1.2%	-1.2%	-0.7%	0.3%	-0.9%	0.5%	0.72	0.73	0.84	1.06	0.80	1.12	-42	-36	-4	92	-25	15
Wakehurst	LAB/CLP	588	461	98	5339	445	456	7387	16.9%	14.8%	18.7%	15.2%	15.0%	16.4%	15.4%	1.5%	-0.6%	3.2%	-0.2%	-0.4%	1.0%	1.09	0.96	1.21	0.99	0.97	1.06	51	-20	17	-63	-12	28
Wakehurst	LIB/NP	2089	1971	297	22398	2077	1779	30611	60.0%	63.2%	56.6%	63.9%	70.1%	64.0%	63.9%	-3.9%	-0.7%	-7.3%	0.0%	6.2%	0.1%	0.94	0.99	0.89	1.00	1.10	1.00	-137	-22	-39	12	183	3
Wakehurst	NLT	70	61	7	632	41	42	853	2.0%	2.0%	1.3%	1.8%	1.4%	1.5%	1.8%	0.2%	0.2%	-0.4%	0.0%	-0.4%	-0.3%	1.13	1.10	0.75	1.0								

Appendix A - Legislative Assembly Results by Channel Variance Analysis

District	Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	Delta Votes Absent	Delta Votes iVote	Delta Votes Misc.	Delta Votes Polling Place	Delta Votes Postal	Delta Votes Pre-poll
Wyong	CDP	84	43	25	617	48	97	914	2.9%	2.4%	2.5%	2.0%	2.1%	1.3%	2.0%	0.9%	0.4%	0.5%	0.0%	0.1%	-0.7%	1.46	1.20	1.25	1.02	1.05	0.65	26	7	5	11	2	-52
Wyong	GRN	326	169	95	2092	92	317	3091	11.2%	9.3%	9.4%	6.9%	4.0%	4.2%	6.7%	4.5%	2.6%	2.7%	0.1%	-2.7%	-2.5%	1.67	1.39	1.40	1.02	0.59	0.63	131	48	27	44	-63	-187
Wyong	IND	67	39	17	406	42	65	636	2.3%	2.2%	1.7%	1.3%	1.8%	0.9%	1.4%	0.9%	0.8%	0.3%	-0.1%	0.4%	-0.5%	1.67	1.56	1.22	0.96	1.32	0.63	27	14	3	-15	10	-39
Wyong	LAB/CLP	1345	807	500	15705	1098	4110	23565	46.3%	44.6%	49.5%	51.4%	47.5%	54.8%	51.1%	-4.9%	-6.5%	-1.6%	0.3%	-3.6%	3.6%	0.90	0.87	0.97	1.01	0.93	1.07	-142	-118	-17	90	-84	271
Wyong	LIB/NP	972	702	345	11081	987	2849	16936	33.4%	38.8%	34.2%	36.3%	42.7%	38.0%	36.8%	-3.3%	2.0%	-2.6%	-0.5%	5.9%	1.2%	0.91	1.06	0.93	0.99	1.16	1.03	-97	37	-26	-141	137	90
Wyong	NLT	114	49	28	627	44	67	929	3.9%	2.7%	2.8%	2.1%	1.9%	0.9%	2.0%	1.9%	0.7%	0.8%	0.0%	-0.1%	-1.1%	1.94	1.34	1.37	1.02	0.94	0.44	55	13	8	11	-3	-84

279324 275594 67567 2955993 200861 624995 4404334

Summary Party Acronym	FP Absent	FP iVote	FP Misc.	FP Polling Place	FP Postal	FP Pre-poll	FP Grand Total	% Absent	% iVote	% Misc.	% Polling Place	% Postal	% Pre-poll	Average %	Diff. % Absent	Diff. % iVote	Diff. % Misc.	Diff. % Polling Place	Diff. % Postal	Diff. % Pre-poll	Ratio Absent	Ratio iVote	Ratio Misc.	Ratio Polling Place	Ratio Postal	Ratio Pre-poll	
AJP	636	474	153	3284	166	451	5164	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	1.94	1.47	1.93	0.95	0.70	0.62
CDP	11011	7542	2366	96738	6214	18761	142632	3.9%	2.7%	3.5%	3.3%	3.1%	3.0%	3.2%	0.7%	-0.5%	0.3%	0.0%	-0.1%	-0.2%	1.22	0.85	1.08	1.01	0.96	0.93	
GRN	40599	37551	8702	305665	14031	46483	453031	14.5%	13.6%	12.9%	10.3%	7.0%	7.4%	10.3%	4.2%	3.3%	2.6%	0.1%	-3.3%	-2.8%	1.41	1.32	1.25	1.01	0.68	0.72	
IND	10064	11550	2608	126822	7361	32704	191109	3.6%	4.2%	3.9%	4.3%	3.7%	5.2%	4.3%	-0.7%	-0.1%	-0.5%	0.0%	-0.7%	0.9%	0.83	0.97	0.89	0.99	0.84	1.21	
LAB/CLP	91249	85287	23255	1015705	62512	222847	1500855	32.7%	30.9%	34.4%	34.4%	31.1%	35.7%	34.1%	-1.4%	-3.1%	0.3%	0.3%	-3.0%	1.6%	0.96	0.91	1.01	1.01	0.91	1.05	
LIB/NP	115548	124926	28314	1341985	106355	292693	2009821	41.4%	45.3%	41.9%	45.4%	52.9%	46.8%	45.6%	-4.3%	-0.3%	-3.7%	-0.2%	7.3%	1.2%	0.91	0.99	0.92	0.99	1.16	1.03	
Misc.	950	1163	242	8083	441	2051	12930	0.3%	0.4%	0.4%	0.3%	0.2%	0.3%	0.3%	0.0%	0.1%	0.1%	0.0%	-0.1%	0.0%	1.16	1.44	1.22	0.93	0.75	1.12	
NLT	9267	7101	1927	57711	3781	9005	88792	3.3%	2.6%	2.9%	2.0%	1.9%	1.4%	2.0%	1.3%	0.6%	0.8%	-0.1%	-0.1%	-0.6%	1.65	1.28	1.41	0.97	0.93	0.71	

279324 275594 67567 2955993 200861 624995 4404334

ATL First Preference Vote by Voting Channel

Group	Candidates in Ballot Order	FP Rank	Elected	ATL First Preference Vote by Voting Channel								Provisional / Silent	% of Group ATL First Preference by Voting Channel								Average Votes
				Ordinary	Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Ordinary		Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Provisional / Silent		
A	NO LAND TAX	6		49268	8110	149	5956	1174	2537	9852	282	77328	1.7%	1.4%	1.1%	2.2%	2.7%	1.3%	3.7%	2.0%	1.8%
B	OUTDOOR RECREATION PARTY	11		18564	3517	26	2490	535	815	4344	108	30399	0.7%	0.6%	0.2%	0.9%	1.2%	0.4%	1.6%	0.8%	0.7%
C	ANIMAL JUSTICE PARTY	7	1	45670	7915	82	6390	1384	3410	9353	358	74562	1.6%	1.3%	0.6%	2.3%	3.1%	1.7%	3.5%	2.5%	1.8%
D		17		3123	657	24	339	70	142	1575	29	5959	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%	0.6%	0.2%	0.1%
E	LIBERAL / NATIONALS	1	9	1212763	264728	7886	105825	14484	100923	113635	5236	1825480	42.8%	44.1%	57.6%	38.9%	32.8%	51.1%	42.6%	36.5%	43.0%
F	AUSTRALIAN MOTORIST PARTY	12		17845	3200	44	2068	456	911	2399	108	27031	0.6%	0.5%	0.3%	0.8%	1.0%	0.5%	0.9%	0.8%	0.6%
G	BUILDING AUSTRALIA PARTY	15		7793	1539	42	1073	200	384	974	41	12046	0.3%	0.3%	0.3%	0.4%	0.5%	0.2%	0.4%	0.3%	0.3%
H		19		2021	354	13	188	43	84	156	8	2867	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%
I	NO PARKING METERS PARTY	9		22030	3797	51	3081	693	1063	3262	129	34106	0.8%	0.6%	0.4%	1.1%	1.6%	0.5%	1.2%	0.9%	0.8%
J		18		2773	535	16	276	63	254	257	17	4191	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
K	LABOR / COUNTRY LABOR	2	7	892057	204904	4256	80712	14270	57551	67391	4618	1325759	31.5%	34.1%	31.1%	29.6%	32.3%	29.1%	25.3%	32.2%	31.2%
L	VOLUNTARY EUTHANASIA PARTY	8		24896	5174	108	2539	350	2719	3017	120	38923	0.9%	0.9%	0.8%	0.9%	0.8%	1.4%	1.1%	0.8%	0.9%
M		20		1811	280	10	195	41	57	124	2	2520	0.1%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%
N	SHOOTERS AND FISHERS	4	1	112003	24646	81	11881	2221	4840	8121	537	164330	4.0%	4.1%	0.6%	4.4%	5.0%	2.4%	3.0%	3.7%	3.9%
O	SOCIALIST ALLIANCE	16		5326	809	13	704	152	221	597	42	7864	0.2%	0.1%	0.1%	0.3%	0.3%	0.1%	0.2%	0.3%	0.2%
P		21		1616	423	6	139	26	105	132	67	2514	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.5%	0.1%	0.1%
Q	CHRISTIAN DEMOCRATIC PARTY (FRED NILE GROUP)	5	1	83169	17228	362	8154	1230	5819	5170	423	121555	2.9%	2.9%	2.6%	3.0%	2.8%	2.9%	1.9%	2.9%	2.9%
R	THE FISHING PARTY	10		21334	4373	26	2583	494	810	1515	91	31226	0.8%	0.7%	0.2%	0.9%	1.1%	0.4%	0.6%	0.6%	0.7%
S	THE GREENS	3	2	282861	43083	415	34700	5908	12829	30896	1968	412660	10.0%	7.2%	3.0%	12.7%	13.4%	6.5%	11.6%	13.7%	9.7%
T	AUSTRALIAN DEMOCRATS	13		14603	2955	64	1459	168	1213	1774	88	22324	0.5%	0.5%	0.5%	0.5%	0.4%	0.6%	0.7%	0.6%	0.5%
X	AUSTRALIAN CYCLISTS PARTY	14		12941	2158	8	1595	209	943	2059	72	19985	0.5%	0.4%	0.1%	0.6%	0.5%	0.5%	0.8%	0.5%	0.5%
				2834467	600385	13682	272347	44171	197630	266603	14344	4243629									
				67%	14%	0%	6%	1%	5%	6%	>1%										

Ratio of Group ATL First Preference Vote % to Average % by Voting Channel

Group	Candidates in Ballot Order	FP Rank	Elected	Ordinary	Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Provisional / Silent
A	NO LAND TAX	6		0.95	0.74	0.60	1.20	1.46	0.70	2.03	1.08
B	OUTDOOR RECREATION PARTY	11		0.91	0.82	0.27	1.28	1.69	0.58	2.27	1.05
C	ANIMAL JUSTICE PARTY	7	1	0.92	0.75	0.34	1.34	1.78	0.98	2.00	1.42
D		17		0.78	0.78	1.25	0.89	1.13	0.51	4.21	1.44
E	LIBERAL / NATIONALS	1	9	0.99	1.03	1.34	0.90	0.76	1.19	0.99	0.85
F	AUSTRALIAN MOTORIST PARTY	12		0.99	0.84	0.50	1.19	1.62	0.72	1.41	1.18
G	BUILDING AUSTRALIA PARTY	15		0.97	0.90	1.08	1.39	1.60	0.68	1.29	1.01
H		19		1.06	0.87	1.41	1.02	1.44	0.63	0.87	0.83
I	NO PARKING METERS PARTY	9		0.97	0.79	0.46	1.41	1.95	0.67	1.52	1.12
J		18		0.99	0.90	1.18	1.03	1.44	1.30	0.98	1.20
K	LABOR / COUNTRY LABOR	2	7	1.01	1.09	1.00	0.95	1.03	0.93	0.81	1.03
L	VOLUNTARY EUTHANASIA PARTY	8		0.96	0.94	0.86	1.02	0.86	1.50	1.23	0.91
M		20		1.08	0.79	1.23	1.21	1.56	0.49	0.78	0.23
N	SHOOTERS AND FISHERS	4	1	1.02	1.06	0.15	1.13	1.30	0.63	0.79	0.97
O	SOCIALIST ALLIANCE	16		1.01	0.73	0.51	1.39	1.86	0.60	1.21	1.58
P		21		0.96	1.19	0.74	0.86	0.99	0.90	0.84	7.88
Q	CHRISTIAN DEMOCRATIC PARTY (FRED NILE GROUP)	5	1	1.02	1.00	0.92	1.05	0.97	1.03	0.68	1.03
R	THE FISHING PARTY	10		1.02	0.99	0.26	1.29	1.52	0.56	0.77	0.86
S	THE GREENS	3	2	1.03	0.74	0.31	1.31	1.38	0.67	1.19	1.41
T	AUSTRALIAN DEMOCRATS	13		0.98	0.94	0.89	1.02	0.72	1.17	1.26	1.17
X	AUSTRALIAN CYCLISTS PARTY	14		0.97	0.76	0.12	1.24	1.00	1.01	1.64	1.07

% Difference to Average for Group ATL First Preference by Voting Channel

Ordinary	Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Provisional / Silent
-0.1%	-0.5%	-0.7%	0.4%	0.8%	-0.5%	1.9%	0.1%
-0.1%	-0.1%	-0.5%	0.2%	0.5%	-0.3%	0.9%	0.0%
-0.1%	-0.4%	-1.2%	0.6%	1.4%	0.0%	1.8%	0.7%
0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.5%	0.1%
-0.2%	1.1%	14.6%	-4.2%	-10.2%	8.0%	-0.4%	-6.5%
0.0%	-0.1%	-0.3%	0.1%	0.4%	-0.2%	0.3%	0.1%
0.0%	0.0%	0.0%	0.1%	0.2%	-0.1%	0.1%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	-0.2%	-0.4%	0.3%	0.8%	-0.3%	0.4%	0.1%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.2%	2.9%	-0.1%	-1.6%	1.1%	-2.1%	-6.0%	1.0%
0.0%	-0.1%	-0.1%	0.0%	-0.1%	0.5%	0.2%	-0.1%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.1%	0.2%	-3.3%	0.5%	1.2%	-1.4%	-0.8%	-0.1%
0.0%	-0.1%	-0.1%	0.1%	0.2%	-0.1%	0.0%	0.1%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
0.0%	0.0%	-0.2%	0.1%	-0.1%	0.1%	-0.9%	0.1%
0.0%	0.0%	-0.5%	0.2%	0.4%	-0.3%	-0.2%	-0.1%
0.3%	-2.5%	-6.7%	3.0%	3.7%	-3.2%	1.9%	4.0%
0.0%	0.0%	-0.1%	0.0%	-0.1%	0.1%	0.1%	0.1%
0.0%	-0.1%	-0.4%	0.1%	0.0%	0.0%	0.3%	0.0%

ATL First Preference Vote Variance from Average by Voting Channel

Group	Candidates in Ballot Order	FP Rank	Elected	Ordinary	Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Provisional / Silent
A	NO LAND TAX	6		-2382	-2830	-100	993	369	-1064	4994	21
B	OUTDOOR RECREATION PARTY	11		-1741	-784	-72	539	219	-601	2434	5
C	ANIMAL JUSTICE PARTY	7	1	-4133	-2634	-158	1605	608	-62	4669	106
D		17		-857	-186	5	-43	8	-136	1201	9
E	LIBERAL / NATIONALS	1	9	-6538	6461	2000	-11330	-4517	15909	-1049	-934
F	AUSTRALIAN MOTORIST PARTY	12		-210	-624	-43	333	175	-348	701	17
G	BUILDING AUSTRALIA PARTY	15		-253	-165	3	300	75	-177	217	0
H		19		106	-52	4	4	13	-50	-24	-2
I	NO PARKING METERS PARTY	9		-751	-1028	-59	892	338	-525	1119	14
J		18		-26	-58	2	7	19	59	-6	3
K	LABOR / COUNTRY LABOR	2	7	6537	17337	-18	-4372	470	-4191	-15899	137
L	VOLUNTARY EUTHANASIA PARTY	8		-1102	-333	-17	41	-55	906	572	-12
M		20		128	-77	2	33	15	-60	-34	-7
N	SHOOTERS AND FISHERS	4	1	2241	1397	-449	1335	511	-2813	-2203	-18
O	SOCIALIST ALLIANCE	16		73	-304	-12	199	70	-145	103	15
P		21		-63	67	-2	-22	0	-12	-26	59
Q	CHRISTIAN DEMOCRATIC PARTY (FRED NILE GROUP)	5	1	1978	31	-30	353	-35	158	-2467	12
R	THE FISHING PARTY	10		477	-45	-75	579	169	-644	-447	-15
S	THE GREENS	3	2	7231	-15300	-915	8216	1613	-6389	4971	573
T	AUSTRALIAN DEMOCRATS	13		-308	-203	-8	26	-64	173	372	13
X	AUSTRALIAN CYCLISTS PARTY	14		-408	-669	-56	312	1	12	803	4

ATL First Preference Vote Variance from Last Winning Candidate by Voting Channel

Ordinary	Pre-poll	Declared Institution	Absent	Enrolment	Postal	iVote	Provisional / Silent	Losing Margin
1750	-196	58	-612	-239	-1002	325	-85	3,177
2392	1850	86	-1066	-389	-538	-2234	-101	
3275	2448	163	-1648	-600	-73	-3468	-97	
-2406	9095	2159	-12935	-5125				

Appendix C - LA Winner DoP Votes

District	Winner First Preference Votes						Winner Other Preference Votes						Other Pref. as % of First Pref. Votes						Ratio of Other/FP Pref. as a % to Total %				
	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI
Albury	19010	862	1321	1819	3788	26800	821	43	79	47	125	1115	4%	5%	6%	3%	3%	4%	1.04	1.20	1.44	0.62	0.79
Auburn	13935	1382	1471	888	1828	19504	1166	178	268	86	141	1839	8%	13%	18%	10%	8%	9%	0.89	1.37	1.93	1.03	0.82
Ballina	8603	1103	781	319	2018	12824	5575	356	452	247	2074	8704	65%	32%	58%	77%	103%	68%	0.95	0.48	0.85	1.14	1.51
Balmain	12275	1806	1674	604	1197	17556	1495	282	455	62	169	2463	12%	16%	27%	10%	14%	14%	0.87	1.11	1.94	0.73	1.01
Bankstown	17071	1898	1597	899	2705	24170	776	130	197	32	77	1212	5%	7%	12%	4%	3%	5%	0.91	1.37	2.46	0.71	0.57
Barwon	13971	2129	1544	1580	4202	23426	1232	151	212	136	367	2098	9%	7%	14%	9%	9%	9%	0.98	0.79	1.53	0.96	0.98
Bathurst	17067	1701	987	624	8756	29135	662	117	69	26	232	1106	4%	7%	7%	4%	3%	4%	1.02	1.81	1.84	1.10	0.70
Baulkham Hills	23207	2202	2407	1775	2202	31793	867	113	127	63	58	1228	4%	5%	5%	4%	3%	4%	0.97	1.33	1.37	0.92	0.68
Bega	15178	1081	1101	1650	6369	25379	400	48	56	31	109	644	3%	4%	5%	2%	2%	3%	1.04	1.75	2.00	0.74	0.67
Blacktown	16667	1933	1510	995	3811	24916	1172	186	209	40	156	1763	7%	10%	14%	4%	4%	7%	0.99	1.36	1.96	0.57	0.58
Blue Mountains	12983	1207	725	1042	4038	19995	4035	414	279	185	958	5871	31%	34%	38%	18%	24%	29%	1.06	1.17	1.31	0.60	0.81
Cabramatta	16196	1811	2024	978	7559	28568	672	119	166	39	181	1177	4%	7%	8%	4%	2%	4%	1.01	1.59	1.99	0.97	0.58
Camden	20746	1955	1816	1035	3993	29545	776	116	110	20	126	1148	4%	6%	6%	2%	3%	4%	0.96	1.53	1.56	0.50	0.81
Campbelltown	16733	1550	1072	805	2543	22703	1059	156	123	48	139	1525	6%	10%	11%	6%	5%	7%	0.94	1.50	1.71	0.89	0.81
Canterbury	17508	1979	1440	792	2210	23929	2661	338	329	85	321	3734	15%	17%	23%	11%	15%	16%	0.97	1.09	1.46	0.69	0.93
Castle Hill	23751	2394	2735	2023	3234	34137	928	128	186	60	105	1407	4%	5%	7%	3%	3%	4%	0.95	1.30	1.65	0.72	0.79
Cessnock	18503	2258	1148	706	5904	28519	969	193	112	45	219	1538	5%	9%	10%	6%	4%	5%	0.97	1.58	1.81	1.18	0.69
Charlestown	16750	1409	1022	1200	3203	23584	2479	260	243	56	354	3392	15%	18%	24%	5%	11%	14%	1.03	1.28	1.65	0.32	0.77
Clarence	15516	1168	1218	622	5275	23799	864	76	81	37	225	1283	6%	7%	7%	6%	4%	5%	1.03	1.21	1.23	1.10	0.79
Coffs Harbour	17270	1262	1406	751	3963	24652	1120	105	96	31	180	1532	6%	8%	7%	4%	5%	6%	1.04	1.34	1.10	0.66	0.73
Coogee	13415	1639	1896	1508	3106	21564	587	86	124	50	106	953	4%	5%	7%	3%	3%	4%	0.99	1.19	1.48	0.75	0.77
Cootamundra	20083	2180	1555	1197	6065	31080	504	89	51	33	139	816	3%	4%	3%	3%	2%	3%	0.96	1.55	1.25	1.05	0.87
Cronulla	21823	1648	1920	1601	4197	31189	1112	95	88	47	257	1599	5%	6%	5%	3%	6%	5%	0.99	1.12	0.89	0.57	1.19
Davidson	24951	2299	2430	2215	2339	34234	802	119	162	67	63	1213	3%	5%	7%	3%	3%	4%	0.91	1.46	1.88	0.85	0.76
Drummoyne	20421	2049	2243	1898	2005	28616	737	106	119	43	47	1052	4%	5%	5%	2%	2%	4%	0.98	1.41	1.44	0.62	0.64
Dubbo	14885	1570	1023	781	9906	28165	1038	124	105	63	437	1767	7%	8%	10%	8%	4%	6%	1.11	1.26	1.64	1.29	0.70
East Hills	14703	1094	1188	1549	2441	20975	830	93	108	62	116	1209	6%	9%	9%	4%	5%	6%	0.98	1.47	1.58	0.69	0.82
Epping	18846	1645	1935	1970	2521	26917	1656	132	217	112	167	2284	9%	8%	11%	6%	7%	8%	1.04	0.95	1.32	0.67	0.78
Fairfield	14750	1617	1762	919	5622	24670	1175	155	259	46	362	1997	8%	10%	15%	5%	6%	8%	0.98	1.18	1.82	0.62	0.80
Gosford	12043	1182	691	771	3967	18654	2288	278	217	92	500	3375	19%	24%	31%	12%	13%	18%	1.05	1.30	1.74	0.66	0.70
Goulburn	14694	1406	1030	1322	5273	23725	918	94	90	76	235	1413	6%	7%	9%	6%	4%	6%	1.05	1.12	1.47	0.97	0.75
Granville	12528	1423	1158	1161	2285	18555	1417	189	236	84	181	2107	11%	13%	20%	7%	8%	11%	1.00	1.17	1.79	0.64	0.70
Hawkesbury	18909	1662	1439	1522	2998	26530	936	78	113	77	132	1336	5%	5%	8%	5%	4%	5%	0.98	0.93	1.56	1.00	0.87
Heathcote	18653	1511	1326	1418	2646	25554	1049	105	97	59	125	1435	6%	7%	7%	4%	5%	6%	1.00	1.24	1.30	0.74	0.84
Heffron	14589	2038	1975	678	1259	20539	4169	707	696	98	320	5990	29%	35%	35%	14%	25%	29%	0.98	1.19	1.21	0.50	0.87
Holsworthy	16933	1530	1607	1442	1824	23336	892	73	116	50	84	1215	5%	5%	7%	3%	5%	5%	1.01	0.92	1.39	0.67	0.88
Hornsby	20518	1848	1679	1599	3453	29097	1502	141	154	89	242	2128	7%	8%	9%	6%	7%	7%	1.00	1.04	1.25	0.76	0.96
Keira	19750	1846	1317	1151	2829	26893	3525	383	314	89	422	4733	18%	21%	24%	8%	15%	18%	1.01	1.18	1.35	0.44	0.85
Kiama	15060	1767	1169	1373	5249	24618	962	124	71	53	286	1496	6%	7%	6%	4%	5%	6%	1.05	1.15	1.00	0.64	0.90
Kogarah	14922	1177	1178	1222	2585	21084	1253	162	257	101	201	1974	8%	14%	22%	8%	8%	9%	0.90	1.47	2.33	0.88	0.83
Ku-ring-gai	21085	2047	2124	2417	2621	30294	1149	151	149	94	117	1660	5%	7%	7%	4%	4%	5%	0.99	1.35	1.28	0.71	0.81
Lake Macquarie	13318	1213	684	1059	3977	20251	2466	312	196	157	770	3901	19%	26%	29%	15%	19%	19%	0.96	1.34	1.49	0.77	1.01
Lakemba	17938	1976	1404	795	3525	25638	1159	139	172	51	179	1700	6%	7%	12%	6%	5%	7%	0.97	1.06	1.85	0.97	0.77
Lane Cove	20186	2048	2076	1953	1526	27789	1125	164	211	81	81	1662	6%	8%	10%	4%	5%	6%	0.93	1.34	1.70	0.69	0.89
Lismore	11415	967	1066	914	5613	19975	963	83	138	74	421	1679	8%	9%	13%	8%	8%	8%	1.00	1.02	1.54	0.96	0.89
Liverpool	19597	2055	1883	926	2803	27264	1069	144	214	45	106	1578	5%	7%	11%	5%	4%	6%	0.94	1.21	1.96	0.84	0.65
Londonderry	16044	2113	1134	1171	2897	23359	1004	210	134	47	135	1530	6%	10%	12%	4%	5%	7%	0.96	1.52	1.80	0.61	0.71
Macquarie Fields	17111	1670	1131	817	3249	23978	830	145	154	39	121	1289	5%	9%	14%	5%	4%	5%	0.90	1.62	2.53	0.89	0.69
Maitland	14153	1149	781	971	3244	20298	3315	290	353	123	760	4841	23%	25%	45%	13%	23%	24%	0.98	1.06	1.90	0.53	0.98
Manly	22554	2592	2853	1404	2757	32160	458	51	74	34	71	688	2%	2%	3%	2%	3%	2%	0.95	0.92	1.21	1.13	1.20
Maroubra	16751	1732	1492	827	3556	24358	1364	269	263	50	172	2118	8%	16%	18%	6%	5%	9%	0.94	1.79	2.03	0.70	0.56
Miranda	19612	1572	1526	1652	2963	27325	876	65	107	58	131	1237	4%	4%	7%	4%	4%	5%	0.99	0.91	1.55	0.78	0.98
Monaro	13349	1202	1543	982	5442	22518	475	58	79	33	151	796	4%	5%	5%	3%	3%	4%	1.01	1.37	1.45	0.95	0.78
Mount Druitt	16582	2114	1445	604	4715	25460	889	170	149	25	184	1417	5%	8%	10%	4%	4%	6%	0.96	1.44	1.85	0.74	0.70
Mulgoa	18927	2122	1817	1230	1613	25709	723	134	130	43	47	1077	4%	6%	7%	3%	3%	4%	0.91	1.51	1.71	0.83	0.70
Murray	18033	945	1601	1239	3934	25752	1171	96	177	40	268	1752	6%	10%	11%	3%	7%	7%	0.95	1.49	1.63	0.47	1.00

Appendix C - LA Winner DoP Votes

District	Winner First Preference Votes						Winner Other Preference Votes						Other Pref. as % of First Pref. Votes						Ratio of Other/FP Pref. as a % to Total %				
	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI	Total	PP	DV	iVote	Postal	PR/DI
Myall Lakes	13362	1122	719	1016	6398	22617	1111	113	89	42	398	1753	8%	10%	12%	4%	6%	8%	1.07	1.30	1.60	0.53	0.80
Newcastle	13585	1409	854	1161	2315	19324	3665	448	300	138	509	5060	27%	32%	35%	12%	22%	26%	1.03	1.21	1.34	0.45	0.84
Newtown	13486	2336	2466	480	1921	20689	1144	228	358	50	136	1916	8%	10%	15%	10%	7%	9%	0.92	1.05	1.57	1.12	0.76
North Shore	18171	2486	3227	1415	1554	26853	1225	134	254	71	76	1760	7%	5%	8%	5%	5%	7%	1.03	0.82	1.20	0.77	0.75
Northern Tablelands	17936	1314	1741	1424	9832	32247	1089	106	143	73	419	1830	6%	8%	8%	5%	4%	6%	1.07	1.42	1.45	0.90	0.75
Oatley	18097	1407	1316	1724	2073	24617	804	78	84	47	66	1079	4%	6%	6%	3%	3%	4%	1.01	1.26	1.46	0.62	0.73
Orange	21480	1773	1272	786	6687	31998	798	93	82	33	198	1204	4%	5%	6%	4%	3%	4%	0.99	1.39	1.71	1.12	0.79
Oxley	17235	1540	947	999	3783	24504	759	105	71	40	157	1132	4%	7%	7%	4%	4%	5%	0.95	1.48	1.62	0.87	0.90
Parramatta	18011	2055	2049	2027	1417	25559	869	171	178	86	69	1373	5%	8%	9%	4%	5%	5%	0.90	1.55	1.62	0.79	0.91
Penrith	14969	1313	1140	1227	3063	21712	1012	123	137	65	163	1500	7%	9%	12%	5%	5%	7%	0.98	1.36	1.74	0.77	0.77
Pittwater	22005	2190	2009	1734	4823	32761	572	113	72	50	138	945	3%	5%	4%	3%	3%	3%	0.90	1.79	1.24	1.00	0.99
Port Macquarie	19412	1797	1002	988	7368	30567	747	126	69	21	169	1132	4%	7%	7%	2%	2%	4%	1.04	1.89	1.86	0.57	0.62
Port Stephens	14724	1313	859	1015	4250	22161	1380	202	129	66	283	2060	9%	15%	15%	7%	7%	9%	1.01	1.66	1.62	0.70	0.72
Prospect	14706	2157	1433	1117	1743	21156	1250	185	209	59	87	1790	8%	9%	15%	5%	5%	8%	1.00	1.01	1.72	0.62	0.59
Riverstone	17624	2033	2084	1480	2697	25918	745	95	158	57	92	1147	4%	5%	8%	4%	3%	4%	0.96	1.06	1.71	0.87	0.77
Rockdale	15253	1513	1057	752	2667	21242	1302	191	191	45	150	1879	9%	13%	18%	6%	6%	9%	0.96	1.43	2.04	0.68	0.64
Ryde	18618	1782	2064	1503	1983	25950	1140	108	148	58	112	1566	6%	6%	7%	4%	6%	6%	1.01	1.00	1.19	0.64	0.94
Seven Hills	17190	1834	1455	2004	1306	23789	1122	144	152	69	61	1548	7%	8%	10%	3%	5%	7%	1.00	1.21	1.61	0.53	0.72
Shellharbour	17134	1377	1171	807	6408	26897	1744	208	198	64	567	2781	10%	15%	17%	8%	9%	10%	0.98	1.46	1.64	0.77	0.86
South Coast	13286	1519	1008	1148	7079	24040	613	82	71	25	305	1096	5%	5%	7%	2%	4%	5%	1.01	1.18	1.54	0.48	0.95
Strathfield	13503	1759	1539	1074	1846	19721	1684	327	354	107	178	2650	12%	19%	23%	10%	10%	13%	0.93	1.38	1.71	0.74	0.72
Summer Hill	14008	1597	1375	587	2803	20370	1135	152	207	63	221	1778	8%	10%	15%	11%	8%	9%	0.93	1.09	1.72	1.23	0.90
Swansea	14960	2231	792	824	2905	21712	1702	264	177	55	238	2436	11%	12%	22%	7%	8%	11%	1.01	1.05	1.99	0.59	0.73
Sydney	11191	1333	2573	474	1376	16947	2135	448	695	91	296	3665	19%	34%	27%	19%	22%	22%	0.88	1.55	1.25	0.89	0.99
Tamworth	15539	1447	1070	768	8166	26990	452	56	56	31	192	787	3%	4%	5%	4%	2%	3%	1.00	1.33	1.79	1.38	0.81
Terrigal	17329	1957	1274	1454	3283	25297	840	149	77	40	123	1229	5%	8%	6%	3%	4%	5%	1.00	1.57	1.24	0.57	0.77
The Entrance	13603	1600	814	782	3287	20086	1581	266	159	65	235	2306	12%	17%	20%	8%	7%	11%	1.01	1.45	1.70	0.72	0.62
Tweed	12749	554	1109	815	5573	20800	466	38	85	24	95	708	4%	7%	8%	3%	2%	3%	1.07	2.02	2.25	0.87	0.50
Upper Hunter	10980	1429	902	1013	4060	18384	1223	201	184	75	429	2112	11%	14%	20%	7%	11%	11%	0.97	1.22	1.78	0.64	0.92
Vaucluse	18465	2028	2756	2815	4193	30257	441	94	136	90	100	861	2%	5%	5%	3%	2%	3%	0.84	1.63	1.73	1.12	0.84
Wagga Wagga	15301	1251	1100	1051	6358	25061	1008	76	121	52	386	1643	7%	6%	11%	5%	6%	7%	1.00	0.93	1.68	0.75	0.93
Wakehurst	22398	2371	1971	2077	1794	30611	1117	102	116	60	99	1494	5%	4%	6%	3%	6%	5%	1.02	0.88	1.21	0.59	1.13
Wallsend	20886	1910	1286	1690	3262	29034	2321	294	208	48	219	3090	11%	15%	16%	3%	7%	11%	1.04	1.45	1.52	0.27	0.63
Willoughby	20444	2002	2894	1859	2867	30066	708	96	189	61	114	1168	3%	5%	7%	3%	4%	4%	0.89	1.23	1.68	0.84	1.02
Wollondilly	19354	1862	1385	1487	3257	27345	1025	136	87	67	135	1450	5%	7%	6%	5%	4%	5%	1.00	1.38	1.18	0.85	0.78
Wollongong	14475	1830	907	785	2074	20071	1395	273	268	52	234	2222	10%	15%	30%	7%	11%	11%	0.87	1.35	2.67	0.60	1.02
Wyong	15705	1764	807	1098	4191	23565	1018	169	93	46	146	1472	6%	10%	12%	4%	3%	6%	1.04	1.53	1.84	0.67	0.56
	1,559,245	156,933	138,507	112,825	346,465	2,313,975	119,459	15,517	16,448	5,947	22,047	179,418	8%	10%	13%	6%	8%	9%	0.98	1.30	1.62	0.77	0.81