## Methodology

To determine which party came first and which came second within the new Electoral District

boundaries, the following methodology was proposed to the Election Commission and approved.

The base data used for the new calculation was prepared as follows:

For each electoral district that existed on June 9th 2009,

- The final list of electors (includes electors added to the list on election day) as posted
- The Civic Address database and civic spatial address distribution as of June 9th,
  2009
- 3) The poll by poll results for each electoral district save and except the five electoral districts that experienced by-elections following the 2009 general election:
  - a. The number of electors on the final list of electors for each poll. (includes voters
  - added on election day)
  - b. The number of electors on the final list of electors for each Advance Polling District. (This number is a summation of the number of electors on the final list of electors for each poll within an Advance polling District)
  - c. The total number of votes cast at each election day poll, Advance Poll, Write-in poll and Special Poll, for each recognized party that fielded a candidate in the electoral district, and for each independent candidate.
- 4) For the five electoral districts of Antigonish, Inverness, Glace Bay, Yarmouth, Cumberland and Cape Breton North, the poll by poll results and data from the by-elections was employed.

The geographic map layers to be used with the Electoral Boundary Tool included:

- 1) Electoral District Boundaries as of third reading 2012
- Polling Divisions Boundaries in each Electoral District used in the 2009 general election or subsequent by-election
- 3) Boundaries of each Advance Polling Districts in each Electoral District used in the 2009 general election or subsequent by-election.

Using the 2009 registered electors and civic addresses with the Electoral District Boundary Tool to:

- 1) Overlay the boundaries of Electoral District boundaries of 2012 over those used in the 2009 general election where polling divisions are wholly contained within the electoral district.
- 2) Wherever a 2009 polling division was split by the boundary of a 2012 district, the tool calculated the proportion of the electors for each split area in the following manner: For each portion of a split polling division,
  - a. extract the civic addresses located within each split of the polling division area.
  - b. sum up the registered electors living at each civic address in the split polling division and sum up the electors living that piece.
  - c. determine the number and proportion of the 2009 registered electors resident within this piece versus the total electors within the polling division.
  - d. The proportional distribution of registered electors for each piece will be multiplied by the votes cast for each party in the poll as a whole and the resultant number of votes will be attributed to the 2012 electoral district that incorporates that piece of the polling division.

- 3) This methodology was applied to the votes cast in each Advance Poll using the split to the Advance Polling district instead of the splits to the polling divisions encompassed by the Advance Poll. The tool calculated the proportion of the registered electors for each Advance Poll District split area and consequently the percentage of advance votes cast for each party in each split. Those votes were then attributed to the 2012 electoral district that incorporates that portion of the Advance Poll District.
- 4) Similarly the methodology was applied to the votes cast in the Special Poll and Write-inPoll using the split to the 2009 electoral district boundary. The proportion of the registered electors for each electoral district split area was calculated as was the percentage of special and write-in votes cast for each party. Those votes were attributed to the 2012 electoral district that incorporates the split.
- 5) If a polling division or an Advance District was not split by the boundary of a 2012 district, then 100% of the votes cast for that division or district are attributed to the 2012 electoral district that incorporates that area.
- 6) When all votes were re-distributed as above into the new 2012 Electoral District boundaries the total votes cast for each party was summed up and the parties who came first and second were determined.

Using this methodology, Elections Nova Scotia has compiled the results using the electoral district boundaries as proposed in the final report of the Boundaries Commission.

7) In the five electoral districts that experienced by-elections following the 2009 general election, the votes cast in the by-election were used to determine which parties finished first and second within the 2012 electoral district. In cases where an these electoral

districts have been split, the distribution of the votes among candidates in the split areas was calculated as described based on the results of the by-election in that area.

To maintain continuity, these percentages were applied to the number of electors in that area during the 2009 general election, before being added to the totals of the areas being joined in the new electoral district that did not experience a by-election.

## Re-distributed Vote Counts Based on Provincial General Election June 2009 and Subsequent By-Elections

Second	2012-EI	ectoral Districts	Total Resdistributed Votes							Party Position Ordinary and Mobile Polls Votes							Special Polls Votes							w	rite in I	Ballots V	/otes			А	dvance	Polls Vo	tes	
2 Magneting 60 0071 075 0851 0 0 0 100 100 100 100 100 100 100 100	ED-No.	ED Name	GPNS	NDP	NSLP	PC	Ind. "		First	Second	GPNS	NDP	NSLP	PC	Ind.		GPNS	NDP	NSLP	PC	Ind.		GPNS	NDP	NSLP	PC	Ind.		GPNS	NDP	NSLP	PC	Ind.	Atlantica Party
3. Age-learneques   188   295   397   385   397   385   39   0   0   0   0   0   0   0   0   0	01	Annapolis	215	1378	7259	1103	0	0	NSLP	NDP	193	1216	6150	922	0	0	1	5	57	13	0	0	0	12	106	21	0	0	21	145	946	147	0	0
No consisted   18	02	Antigonish	66	3017	1675	2631	0	0	NDP	PC	63	2609	1370	2219	0	0	0	121	52	81	0	0	0	30	12	26	0	0	3	257	241	305	0	0
85   Conceivement Centrems   18   575   97   375   275   18   18   18   18   18   18   18   1	03	Argyle-Barrington	128	2957	1079	3832	0	0	PC	NDP	119	2705	954	3417	0	0	3	38	17	129	0	0	1	31	50	74	0	0	5	183	58	212	0	0
86	04	Bedford	211	2803	3970	1870	0	0	NSLP	NDP	177	2294	3189	1497	0	0	8	108	174	76	0	0	1	20	32	30	0	0	25	381	575	267	0	0
77   Consequence Name   San	05	Cape Breton Centre	118	5738	913		0	0		NSLP	99	4627		395	0	0	4	126	26	18	0	0	0	114	22	11	0	0	15	871	170	113	0	0
84 Consigney 126 2198 0904 1166 0 0 NSLF NDP 309 3194 223 98 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Cape Breton-Richmond					0	0	NSLP		93	2162	3092	1478	0	0	2	36	61	28	0	0	0	19	114	35	0	0	11	202	353	164	0	0
Second   S	_	•															6									-		0					0	
Confunct Mines		0 ,															•										_							
0. Valley 181		•	146	3172	4300	1128	35	0	NSLP	NDP	123	2521	3349	864	31	0	7	170	246	74	3	0	0	23	53	16	0	0	16	458	652	174	1	0
Columbrow North							_															_												
Color-barbour-Eastern   Colo	10	Valley	181	3697	1649	2265	0	0	NDP	PC	166	3411	1502	2018	0	0	4	61	28	56	0	0	1	10	9	19	0	0	10	215	110	172	0	0
2 Passage	11	Colchester North	161	2362	1250	3811	0	0	PC	NDP	146	2131	1046	3267	0	0	2	12	23	53	0	0	0	8	7	32	0	0	13	211	174	459	0	0
33 Clear Hannow-Portman Valley   244   546   2568   1188   0   0   0   0   126   1188   0   0   0   0   0   126   1188   0   0   0   0   0   126   1188   0   0   0   0   0   126   1188   0   0   0   0   126   1188   0   0   0   0   126   1188   0   0   0   0   126   1188   0   0   0   0   126   1188   0   0   0   0   0   126   0   0   0   0   0   126   0   0   0   0   0   0   0   0   0		Cole Harbour-Eastern																																
Math   Cumbrished North   111   2912   1903   1246   1938   0   No.P.   Ind   100   1276   276   150	12	Passage	238	4783	1155	1098	0	0	NDP	NSLP	210	3965	971	929	0	0	8	260	62	32	0	0	0	32	5	6	0	0	20	526	117	131	0	0
Second   Comparison   Compari	13	Cole Harbour-Portland Valley	224	6146	2058	1138	0	0	NDP	NSLP	202	5163	1670	927	0	0	5	101	39	26	0	0	3	200	62	43	0	0	14	682	287	142	0	0
Fig.   Commont East   177   3/13   4061   902   0   0   NSLP   NDP   151   3062   310   685   0   0   0   2   4   2   0   0   0   2   44   52   12   0   0   18   492   597   158   0   0   0   18   18   18   18   18	14	Cumberland North	111	2912	1003	1246	1938	0	NDP	Ind	100	2576	800	1035	1618	0	3	78	36	68	118	0	0	2	6	9	15	0	8	256	161	134	187	0
77   Demmouth North   205   4063   2316   568   0   0   0   NDP   NSLP   168   3224   1312   440   0   0   0   233   144   24   0   0   0   0   3   120   06   25   0   0   0   24   476   264   79   0   0   0   0   0   0   0   0   0	15	Cumberland South	16	534	2235	3375	221	0	PC	NSLP	16	475	1686	2630	192	0	0	13	161	172	10	0	0	3	32	42	1	0	0	43	356	531	18	0
B   Dartmouth-Preston   61   2216   2242   1233   0   0   NSLP   NDP   NSLP   233   3752   1856   834   0   0   0   7   135   65   46   0   0   0   0   0   0   0   0   0	16	Dartmouth East	177	3713	4061	902	0	0	NSLP	NDP	153	3060	3303	685	0	0	4	117	109	47	0	0	2	44	52	12	0	0	18	492	597	158	0	0
B   Dartmouth-Preston   61   2216   2242   1233   0   0   NSLP   NDP   NSLP   233   3752   1856   834   0   0   0   7   135   65   46   0   0   0   0   0   0   0   0   0	17	Dartmouth North	205	4053	2316	568	0	0		NSLP				440	0	0	10	233		24	0	0	3	120		25	0	0	24		264		0	0
98 Darmouth South	18	Dartmouth-Preston						0								0					0	0	0				0	0						0
20. East Nova 91 9314 1743 1974 0 0 0 NDP PC 90 9410 1667 6694 0 0 0 0 61 971 555 0 0 0 65 44 55 0 0 0 1 378 161 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							<u> </u>									_										l		-						
Satisfied   Sati																	-											<u> </u>						
Pairwise-Clayton Park   185   4197   2375   773   16   0   NDP   NSLP   170   3570   1850   609   14   0   6   6   212   160   52   1   0   0   0   26   32   8   0   0   0   9   389   324   104   1   0   33   336   338																												<del> </del>						
Signal Glace Bay																																		-
44 Halifax Armdale 239 3469 1578 806 0 0 NDP NSLP 25 2927 1382 698 0 0 0 4 1518 48 24 0 0 0 0 18 6 3 0 0 10 10 373 142 81 00 0 0 5 5 Halifax Atlantic 270 4313 1413 697 0 0 NDP NSLP 248 3855 159 0 0 0 5 109 74 25 0 0 0 1 1 24 9 2 0 0 0 16 345 171 65 0 0 0 0 75 109 174 1416 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,														_						0				l		0						
Halifax Atlantic 270 4313 1413 697 0 0 0 NDP NSLP 248 383 159 605 0 0 0 12 25 0 0 0 1 24 9 2 0 0 0 16 345 171 65 0 0 0 1 1 24 1415 1415 1415 1415 1415 1415 14		,					195	56			0	1699	2894	557	152	49	0	180	278	47	19	1	0	87	155	30	9	1	0	311	574	125	15	5
Halffax Cheducto 413 4818 2764 703 0 0 NDP NSLP 378 4099 2340 584 0 0 0 12 132 119 38 0 0 0 3 67 28 12 0 0 0 20 450 260 75 0 0 0 14 1816 X Citadel-Sable Island 287 3232 240 883 0 0 NDP NSLP 247 2684 1752 647 0 0 0 12 132 119 38 0 0 0 3 67 53 22 0 0 0 25 349 316 313 0 0 0 18 18 18 18 18 18 18 18 18 18 18 18 18	24	Halifax Armdale	239	3469	1578	806	0	0	NDP	NSLP	225	2927	1382	698	0	0	4	151	48	24	0	0	0	18	6	3	0	0	10	373	142	81	0	0
Halifax Citadel-Sable Island 287 3232 2240 838 0 0 0 NDP NSLP 247 2684 1752 647 0 0 0 12 132 119 38 0 0 0 3 67 53 22 0 0 0 25 349 316 131 0 0 0 188 1416 X Needham 319 5013 1632 491 0 0 NDP NSLP 279 4346 1405 422 0 0 0 5 5 202 62 25 0 0 0 3 3 9 10 4 0 0 0 32 426 155 40 0 0 0 0 188 189 140 140 140 140 140 140 140 140 140 140	25	Halifax Atlantic	270	4313	1413	697	0	0	NDP	NSLP	248	3835	1159	605	0	0	5	109	74	25	0	0	1	24	9	2	0	0	16	345	171	65	0	0
Hammonds Plains-Lucasville 144 2526 1782 1238 0 0 0 NDP NSLP 128 2084 1523 1003 0 0 3 55 22 22 20 0 0 0 17 6 70 0 0 32 426 155 40 0 0 0 0 0 18 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	26	Halifax Chebucto	413	4818	2764	703	0	0	NDP	NSLP	378	4099	2340	584	0	0	12	202	136	32	0	0	3	67	28	12	0	0	20	450	260	75	0	0
Hammonds Plains-Lucasville 144 2526 1782 1238 0 0 0 NDP NSLP 128 204 1523 1003 0 0 0 81 55 22 22 0 0 0 0 17 6 7 0 0 0 13 370 231 206 0 0 0 10 10 10 10 10 10 10 10 10 10 10	27	Halifax Citadel-Sable Island	287	3232	2240	838	0	0	NDP	NSLP	247	2684	1752	647	0	0	12	132	119	38	0	0	3	67	53	22	0	0	25	349	316	131	0	0
Hants East 231 6052 1467 1567 0 0 0 NDP PC 211 5482 1293 1409 0 0 0 0 81 19 21 0 0 0 12 2 6 0 0 0 20 477 153 131 0 0 0 14 154 1547 1548 1548 1548 1548 1548 1548 1548 1548	28	Halifax Needham	319	5013	1632	491	0	0	NDP	NSLP	279	4346	1405	422	0	0	5	202	62	25	0	0	3	39	10	4	0	0	32	426	155	40	0	0
Hants East 231 6052 1467 1567 0 0 0 NDP PC 211 5482 1293 1409 0 0 0 0 81 19 21 0 0 0 12 2 6 0 0 0 20 477 153 131 0 0 0 14 154 1547 1548 1548 1548 1548 1548 1548 1548 1548	29	Hammonds Plains-Lucasville	144	2526	1782	1238	0	0	NDP	NSLP	128	2084	1523	1003	0	0	3	55	22	22	0	0	0	17	6	7	0	0	13	370	231	206	0	0
Hants West 204 2401 3065 3364 0 0 0 PC NSLP 188 2146 2644 2938 0 0 5 5 50 95 84 0 0 0 14 35 28 0 0 11 191 291 314 0 0 1 1 191 291 314 0 0 1 1 191 291 314 0 0 1 1 191 291 314 0 0 1 1 191 291 314 0 0 1 1 1 191 291 314 0 0	30	Hants East						0								0	0				0	0	0			6	0	0					0	0
10 Inverses 210 In	31														-	-										l	-	-						-
3 Kings North 378 3535 1541 3079 0 0 0 NDP PC 346 3136 1291 2545 0 0 0 4 66 37 101 0 0 2 20 23 36 0 0 26 313 190 397 0 0 0 4 Kings South 369 4038 2639 2759 0 0 NDP PC 324 3403 225 2339 0 0 7 110 55 63 0 0 4 42 33 22 0 0 34 483 296 335 0 0 0 Kings West 149 1422 5015 1667 0 0 NSLP PC 132 1261 4165 1410 0 0 2 2 29 116 55 0 0 0 4 87 41 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 15 128 647 161 0 0 0 0 15 128 647 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																-												<u> </u>						-
4 Kings South 369 4038 2639 2759 0 0 NDP PC 324 3403 2255 2339 0 0 0 7 110 55 63 0 0 0 4 42 33 22 0 0 0 34 483 296 335 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																-						-						<del> </del>						
Kings West 149 1422 5015 1667 0 0 NSLP PC 132 1261 4165 1410 0 0 2 29 116 55 0 0 0 0 4 87 41 0 0 0 15 128 647 161 0 0 0 1 1 128 141 176 22 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	4					-						<del> </del>						
Lunenburg West 165 4031 2399 3202 0 0 NDP PC 152 3588 2102 2810 0 0 0 2 112 74 94 0 0 0 45 13 46 0 0 10 251 121 176 22 0 NDP NDP PC 152 3588 2102 2810 0 0 0 2 112 74 94 0 0 0 0 44 58 52 0 0 11 287 165 246 0 0 0 NDP NDP PC 152 3588 2102 2810 0 0 54 1 107 71 117 0 1 0 79 31 186 0 1 5 494 345 885 0 12 NDP							<del>                                     </del>									-	/						-				-							
Lunenburg West 165 4031 2399 3202 0 0 NDP PC 152 3588 2102 2810 0 0 2 112 74 94 0 0 0 0 44 58 52 0 0 0 11 287 165 246 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35	kings vvest					0	0	NSLP		132	1261	4165	1410	0	0	2	29	116	55	0	0	0	4	87	41	0	0	15	128	647	161	0	0
88 Northside-Westmount		•					489	0						2122	459	0	8		34		8	0	0	45	13		0	0	10	251	121		22	0
9 Pictou Centre 147 3650 567 3519 0 0 NDP PC 132 3005 476 2881 0 0 5 170 23 171 0 0 0 81 12 53 0 0 10 394 56 414 0 0 0 10 10 10 10 10 10 10 10 10 10 10		•	165		2399		0		NDP					2810	0	0	2		74		0	0	0	44	58		0	0	11		165		0	0
HO Pictou East 129 4893 642 1984 0 0 NDP PC 118 4351 583 1722 0 0 0 2 85 13 52 0 0 0 3 30 4 39 0 0 6 427 42 171 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	38	Northside-Westmount	43	2940	1821	4251	0	68	PC	NDP	37	2260	1374	3063	0	54	1	107	71	117	0	1	0	79	31	186	0	1	5	494	345	885	0	12
H Pictou West 170 4226 1471 1466 0 0 NDP NSLP 148 3741 1260 1201 0 0 0 79 26 41 0 0 1 51 22 22 0 0 0 21 355 163 202 0 0 0 1 1 51 22 22 0 0 0 1 1 51 22 22 0 0 0 1 1 51 22 22 0 0 0 1 1 51 22 22 0 0 0 1 1 51 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	39	Pictou Centre	147	3650	567	3519	0	0	NDP	PC	132	3005	476	2881	0	0	5	170	23	171	0	0	0	81	12	53	0	0	10	394	56	414	0	0
H Pictou West 170 4226 1471 1466 0 0 NDP NSLP 148 3741 1260 1201 0 0 0 79 26 41 0 0 1 51 22 22 0 0 21 355 163 202 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40	Pictou East	129	4893	642	1984	0	0	NDP	PC	118	4351	583	1722	0	0	2	85	13	52	0	0	3	30	4	39	0	0	6	427	42	171	0	0
12 Queens-Shelburne 117 5239 1651 2414 0 0 NDP PC 104 4656 1431 1987 0 0 3 110 18 74 0 0 0 70 16 58 0 0 10 403 186 295 0 0	41	Pictou West		4226	1471		0	0	NDP	NSLP				1201	0	0	0	79	26	41	0	0	1	51	22	22	0	0	21	355	163	202	0	0
	42	Queens-Shelburne					0	0							0	0	3					0	0				0	0						0
		Sackville	124	3588	1047	1303	0	0	NDP	PC				1138	0	0	2	61	26	25	0	0	0	20	7	7	0	0		578	118		0	0

## Re-distributed Vote Counts Based on Provincial General Election June 2009 and Subsequent By-Elections

2012-	Electoral Districts	Total Resdistributed Votes						Party	Position	Ordinary and Mobile Polls Votes						Special Polls Votes							Write in Ballots Votes							Advance Polls Votes					
ED-No	o. ED Name	GPNS	NDP	NSLP	PC	Ind. **	Atlantica Party	First	Second	GPNS	NDP	NSLP	PC	Ind.	Atlantica Party	GPNS	NDP	NSLP	PC	Ind.	Atlantica Party	GPNS	NDP	NSLP	PC	Ind.	Atlantica Party	GPNS	NDP	NSLP	PC	Ind.	Atlantica Party		
44	Sackville-Cobequid	192	5124	1549	978	0	0	NDP	NSLP	166	4431	1299	812	0	0	5	167	45	47	0	0	2	32	7	7	0	0	19	494	198	112	0	0		
45	Sydney	186	5774	3724	887	0	0	NDP	NSLP	150	4579	2748	657	0	0	5	205	132	44	0	0	1	153	63	11	0	0	30	837	781	175	0	0		
46	Sydney River-Mira-Louisbourg	138	3141	2796	3586	0	0	PC	NDP	125	2709	2180	2873	0	0	3	45	74	95	0	0	0	15	47	97	0	0	10	372	495	521	0	0		
47	Timberlea-Prospect	202	5602	1337	679	0	0	NDP	NSLP	177	5012	1161	606	0	0	5	110	38	11	0	0	2	10	4	3	0	0	18	470	134	59	0	0		
48	Truro-Bible Hill	158	4070	1643	2544	0	0	NDP	PC	135	3489	1294	1977	0	0	0	96	65	92	0	0	2	41	19	42	0	0	21	444	265	433	0	0		
49	Victoria-The Lakes	164	2152	2215	2919	97	4	PC	NSLP	147	1925	1968	2517	91	3	6	25	17	61	2	0	2	11	18	64	0	0	9	191	212	277	4	1		
50	Waverley-Fall River-Beaver Bank	168	4198	1932	1479	0	0	NDP	NSLP	155	3407	1568	1232	0	0	3	75	33	22	0	0	0	22	5	3	0	0	10	694	326	222	0	0		
51	Yarmouth	48	513	3986	2628	673	19	NSLP	PC	45	434	3330	2261	570	18	0	25	186	122	46	1	1	4	139	37	6	0	2	50	331	208	51	0		

<sup>\*\*</sup> Ind. = Independent Candidate