

PROPORTIONAL REPRESENTATION ANALYSIS

2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

Estimated No. of PR (Hare-Clark) Seats in possible multi-member divisions:

NEW SOUTH WALES

Total first preference votes of winners of single-member divisions are shown in **bold** type.

Estimated no. of PR seats is at the foot of each table.

Of the 50 winners here, the 15 without an absolute majority of first preferences are *initials*.

The winners in **Parramatta** and **Richmond** lack a plurality, which is shaded in each case.

To see a major fatal flaw of single-member districts, click on [Redistricting Roulette](#).

It is software - acknowledging its PRSA inspiration - of a USA counterpart of PRSA.

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THE NINE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 1	NSW	9 MHRs	10.00% Quota= 67254			TOTAL FIRST PREFERENCE VOTES	THE 9 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Sydney	36766	1701	17784	2613	23419	0	0	82283	41142
Wentworth	19391	683	8210	14268	30771	301	0	73624	36813
Kingsford-Smith	36565	747	5430	4334	26639	0	0	73715	36858
Cook	20593	661	5144	4818	43161	0	0	74377	37189
Barton	36909	1648	5169	1284	29319	0	0	74329	37165
Banks	32736	675	3433	4956	30927	655	0	73382	36692
Watson	39046	914	4667	1428	21723	1150	0	68928	34465
Grayndler	38634	1579	15914	1010	18347	0	0	75484	37743
Lowe	32777	1013	7057	2914	32654	0	0	76415	38208
TOTAL VOTES	293417	9621	72808	37625	256960	2106	0	672537	336273
% OF SUB-TOTAL	43.63	1.43	10.83	5.59	38.21	0.31	0.00	100.00	But votes in 9 PR quotas are:
NO. OF QUOTAS	4.36	0.14	1.08	0.56	3.82	0.03	0.00	9.99	605286
ESTIMATED PR SEATS	4	0	1	0	4	0	0	9	so PR:SM quota ratio is:
ACTUAL SEATS	7	0	0	0	2	0	0	9	1.80

THE NINE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 2	NSW	9 MHRs	10.00% Quota= 69276			TOTAL FIRST PREFERENCE VOTES	THE 9 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Mitchell	17673	1440	5258	4722	54582	1140	0	84815	42408
Parramatta	31166	798	3973	5325	33073	674	0	75009	37505
Reid	33052	802	3376	7320	19796	0	0	64346	32174
Bennelong	21819	967	12573	3129	38326	0	0	76814	38408
Bradfield	16735	1971	9249	0	51356	1459	0	80770	40386
Berowra	20351	1457	7465	3965	43674	883	0	77795	38898
Mackellar	15492	1133	8193	7281	44778	1318	0	78195	39098
Warringah	19181	0	8833	4981	40798	1023	0	74816	37409
North Sydney	21864	1456	9890	1884	45105	0	0	80199	40100
TOTAL VOTES	197333	10024	68810	38607	371488	6497	0	692759	346384
% OF SUB-TOTAL	28.49	1.45	9.93	5.57	53.62	0.94	0.00	100.00	But votes in 9 PR quotas are:
NO. OF QUOTAS	2.85	0.14	0.99	0.56	5.36	0.09	0.00	9.99	623484
ESTIMATED PR SEATS	3	0	1	0	5	0	0	9	so PR:SM quota ratio is:
ACTUAL SEATS	2	0	0	0	7	0	0	9	1.80

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 3	NSW	7 MHRs	12.50% Quota= 64277			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Macquarie	21898	969	8561	4354	42021	1082	0	78885	39443
Greenway	30389	672	2730	7858	33353	877	0	75879	37940
Lindsay	27117	615	2547	6650	35119	1006	0	73054	36528
Chifley	39836	0	4326	5397	20814	1211	0	71584	35793
Prospect	37802	1131	4009	3723	28828	0	0	75493	37747
Fowler	44141	0	5164	2756	18253	0	0	70314	35158
Blaxland	37117	875	3205	6401	21407	0	0	69005	34503
TOTAL VOTES	238300	4262	30542	37139	199795	4176	0	514214	257111
% OF SUB-TOTAL	46.34	0.83	5.94	7.22	38.85	0.81	0.00	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	3.71	0.07	0.48	0.58	3.11	0.06	0.00	7.99	449939
ESTIMATED PR SEATS	4	0	0	0	3	0	0	7	so PR:SM quota ratio is:
ACTUAL SEATS	4	0	0	0	3	0	0	7	1.75

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 4	NSW	5 MHRs	16.67% Quota= 63885			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Werriwa	40837	965	2432	6107	27241	0	0	77582	38792
Hughes	24739	1162	5372	4093	43726	0	0	79092	39547
Macarthur	24584	625	3324	3554	40469	1735	0	74291	37146
Cunningham	29041	686	14747	7666	21115	0	0	73255	36628
Throsby	44495	2078	7995	0	24519	0	0	79087	39544
									191656
TOTAL VOTES	163696	5516	33870	21420	157070	1735	0	383307	But votes in 5 PR quotas are:
% OF SUB-TOTAL	42.71	1.44	8.84	5.59	40.98	0.45	0.00	100.00	319425
NO. OF QUOTAS	2.56	0.09	0.53	0.34	2.46	0.03	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	2	0	0	5	1.67
ACTUAL SEATS	3	0	0	0	2	0	0	5	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 5	NSW	5 MHRs	16.67% Quota= 66159			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Richmond	28059	913	9751	2375	0	1626	36095	78819	39410
Page	25702	0	8399	5895	0	0	37637	77633	38817
Cowper	24873	1468	7239	5105	0	0	38998	77683	38842
Lyne	22325	1401	3966	7563	0	1181	46958	83394	41698
Paterson	28633	577	3303	4937	41289	681	0	79420	39711
									198477
TOTAL VOTES	129592	4359	32658	25875	41289	3488	159688	396949	But votes in 5 PR quotas are:
% OF SUB-TOTAL	32.65	1.10	8.23	6.52	10.40	0.88	40.23	100.00	330795
NO. OF QUOTAS	1.96	0.07	0.49	0.39	0.62	0.05	2.41	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	2	0	0	0	1	0	2	5	1.67
ACTUAL SEATS	1	0	0	0	1	0	3	5	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 6	NSW	5 MHRs	16.67% Quota= 65470			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Newcastle	37392	2018	9701	3305	28902	0	0	81318	40660
Shortland	40069	1211	6333	1956	28902	1804	0	80275	40138
Charlton	35765	1513	6964	1531	28745	3317	0	77835	38918
Dobell	27417	647	3782	4549	37347	1656	0	75398	37700
Robertson	27107	0	6200	1555	41816	1312	0	77990	38996
									196411
TOTAL VOTES	167750	5389	32980	12896	165712	8089	0	392816	But votes in 5 PR quotas are:
% OF SUB-TOTAL	42.70	1.37	8.40	3.28	42.19	2.06	0.00	100.00	327350
NO. OF QUOTAS	2.56	0.08	0.50	0.20	2.53	0.12	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	2	0	0	5	1.67
ACTUAL SEATS	3	0	0	0	2	0	0	5	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 7	NSW	5 MHRs	16.67% Quota= 65590			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
New England	6988	0	2679	47673	8070	0	15031	80441	40221
Gwydir	17396	0	3399	8046	0	0	46951	75792	37896
Hunter	43216	0	5195	9424	0	1176	21621	80632	40316
Calare	13439	0	1868	41499	13087	959	10482	81334	40667
Parkes	23568	0	2577	3621	0	0	45569	75335	37668
									196767
TOTAL VOTES	104607	0	15718	110263	21157	2135	139654	393534	But votes in 5 PR quotas are:
% OF SUB-TOTAL	26.58	0.00	3.99	28.02	5.38	0.54	35.49	100.00	327950
NO. OF QUOTAS	1.59	0.00	0.24	1.68	0.32	0.03	2.13	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	1	0	0	2	0	0	2	5	1.67
ACTUAL SEATS	1	0	0	2	0	0	2	5	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 8	NSW	5 MHRs	16.67% Quota= 67097			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Hume	22862	713	5264	5455	46652	0	0	<u>80946</u>	40473
Gilmore	24835	0	6234	5319	43723	0	0	<u>80111</u>	40056
Eden-Monaro	32592	0	6256	4499	40783	0	0	<u>84130</u>	42065
Farrer	17354	463	2732	5849	48304	1395	0	<u>76097</u>	38049
Riverina	20080	0	3497	3389	0	0	54328	<u>81294</u>	40647
									201289
TOTAL VOTES	117723	1176	23983	24511	179462	1395	54328	402578	But votes in 5 PR quotas are:
% OF SUB-TOTAL	29.24	0.29	5.96	6.09	44.58	0.35	13.50	100.00	335485
NO. OF QUOTAS	1.75	0.02	0.36	0.37	2.67	0.02	0.81	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	2	0	0	0	2	0	1	5	1.67
ACTUAL SEATS	0	0	0	0	4	0	1	5	

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2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

Estimated No. of PR (Hare-Clark) Seats in possible multi-member divisions: **VICTORIA, TASMANIA, SOUTH AUSTRALIA**

Total first preference votes of winners of **single-member divisions** are shown in **bold** type.

Largest no. of first preferences is underlined. **Estimated no. of PR seats is at the foot of each table.**

Of the 54 winners here, the 28 without an absolute majority of first preferences are *initialics*.

The winners in **Melbourne Ports, Bendigo, Adelaide** and **Hindmarsh** lack a plurality, which is shaded in each case.

To see a major fatal flaw of single-member districts, click on [Redistricting Roulette](#).

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THE NINE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 9	VIC	9 MHRs	10.00% Quota= 71839			TOTAL FIRST PREFERENCE VOTES	THE 9 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Scullin	46209	0	3941	1287	24196	2656	0	<u>78289</u>	39145
Batman	41953	1105	10520	1510	19603	853	0	<u>75544</u>	37773
Melbourne	42047	1326	15416	1323	20374	718	0	<u>81204</u>	40603
Gellibrand	43383	1032	7210	1263	25069	1463	0	<u>79420</u>	39711
Lalor	43677	1182	3381	462	30715	2607	0	<u>82024</u>	41013
Gorton	48930	0	4204	510	26717	2052	0	<u>82413</u>	41207
Calwell	39692	1180	4175	2947	29504	1870	0	<u>79368</u>	39685
Maribyrnong	40075	1261	5358	656	29281	1443	0	<u>78074</u>	39038
Wills	44158	1163	10663	1240	23549	1275	0	<u>82048</u>	41025
									359197
TOTAL VOTES	390124	8249	64868	11198	229008	14937	0	718384	But votes in 9 PR quotas are:
% OF SUB-TOTAL	54.31	1.15	9.03	1.56	31.88	2.08	0.00	100.00	646551
NO. OF QUOTAS	5.43	0.11	0.90	0.16	3.19	0.21	0.00	9.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	5	0	1	0	3	0	0	9	1.80
ACTUAL SEATS	9	0	0	0	0	0	0	9	

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 10	VIC	7 MHRs	12.50% Quota= 70762			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Jagajaga	38303	983	7111	974	36210	1956	0	<u>85537</u>	42769
Menzies	26635	1226	5251	256	46132	1739	0	<u>81239</u>	40620
Deakin	29240	1595	6359	879	40922	1889	0	<u>80884</u>	40443
Chisholm	34241	1561	5715	900	33945	1468	0	<u>77830</u>	38916
Kooyong	23132	1472	9997	446	43581	1099	0	<u>79727</u>	39864
Higgins	24166	1440	8993	243	43739	658	0	<u>79239</u>	39620
Melbourne Ports	32046	1102	11508	1478	35058	444	0	<u>81636</u>	40819
									283050
TOTAL VOTES	207763	9379	54934	5176	279587	9253	0	566092	But votes in 7 PR quotas are:
% OF SUB-TOTAL	36.70	1.66	9.70	0.91	49.39	1.63	0.00	100.00	495334
NO. OF QUOTAS	2.94	0.13	0.78	0.07	3.95	0.13	0.00	7.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	1.75
ACTUAL SEATS	3	0	0	0	4	0	0	7	

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 11	VIC	7 MHRs	12.50% Quota= 71240			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Dunkley	27845	1008	5179	900	46067	1949	0	82948	41475
Isaacs	37245	862	6143	1400	36391	2019	0	84060	42031
Holt	37269	1160	3638	1169	34974	3403	0	81613	40807
Aston	25384	998	3957	1130	47686	2290	0	81445	40723
Bruce	37109	1079	4110	282	33807	2064	0	78451	39226
Hotham	40735	975	4287	498	30992	2045	0	79532	39767
Goldstein	24941	1006	7251	1753	45829	1088	0	81868	40935
TOTAL VOTES	230528	7088	34565	7132	275746	14858	0	569917	284962
% OF SUB-TOTAL	40.45	1.24	6.06	1.25	48.38	2.61	0.00	100.00	But votes in 7 PR quotas are: 498680
NO. OF QUOTAS	3.24	0.10	0.49	0.10	3.87	0.21	0.00	7.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	1.75
ACTUAL SEATS	4	0	0	0	3	0	0	7	

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 12	VIC	7 MHRs	12.50% Quota= 73150			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Mallee	17034	1301	3166	1197	0	3787	57370	83855	41928
Wannon	26816	806	3663	1704	48687	2508	0	84184	42093
Corangamite	31105	0	6355	804	44060	2318	0	84642	42322
Corio	37405	0	4733	3633	32289	2077	0	80137	40069
Ballarat	37734	0	5641	1301	37377	1799	0	83852	41927
Bendigo	38356	0	6108	373	40035	3238	0	88110	44056
Murray	15899	0	2449	7455	52697	1917	0	80417	40209
TOTAL VOTES	204349	2107	32115	16467	255145	17644	57370	585197	292602
% OF SUB-TOTAL	34.92	0.36	5.49	2.81	43.60	3.02	9.80	100.00	But votes in 7 PR quotas are: 512050
NO. OF QUOTAS	2.79	0.03	0.44	0.23	3.49	0.24	0.78	7.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	3	0	1	7	1.75
ACTUAL SEATS	3	0	0	0	3	0	1	7	

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 13	VIC	7 MHRs	12.50% Quota= 71448			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Gippsland	29053	1312	3734	7199	0	2405	41531	85234	42618
Indi	21710	0	5321	558	51834	3341	0	82764	41383
McMillan	28555	638	3381	2513	32379	1289	6676	75431	37716
Flinders	25621	715	1435	5489	48249	1435	0	82944	41473
La Trobe	26251	1160	7313	1367	39810	1830	0	77731	38866
Casey	23762	1002	6302	698	45050	3243	0	80057	40029
McEwen	30205	713	6686	3084	45230	1500	0	87418	43710
TOTAL VOTES	185157	5540	34172	20908	262552	15043	48207	571579	285793
% OF SUB-TOTAL	32.39	0.97	5.98	3.66	45.93	2.63	8.43	100.00	But votes in 7 PR quotas are: 500136
NO. OF QUOTAS	2.59	0.08	0.48	0.29	3.67	0.21	0.67	7.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	1.75
ACTUAL SEATS	0	0	0	0	6	0	1	7	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 14	TAS	5 MHRs	16.67% Quota= 52688			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Braddon	27893	0	3632	0	30681	2581	0	64787	32394
Bass	24491	0	5059	1066	30678	1145	0	62439	31220
Lyons	26994	0	6026	311	25647	1606	0	60584	30293
Denison	31602	0	9318	544	20782	1578	0	63824	31913
Franklin	29938	0	7207	345	24936	2063	0	64489	32245
TOTAL VOTES	140918	0	31242	2266	132724	8973	0	316123	158064
% OF SUB-TOTAL	44.58	0.00	9.88	0.72	41.98	2.84	0.00	100.00	But votes in 5 PR quotas are: 263440
NO. OF QUOTAS	2.67	0.00	0.59	0.04	2.52	0.17	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	2	0	0	5	1.67
ACTUAL SEATS	3	0	0	0	2	0	0	5	

THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 15	SA	5 MHRs	16.67% Quota= 71828			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV.
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	ALP	AD	GRN.	OTH.	LIB	FF	NAT		(*ABSOLUTE MAJORITIES)
Port Adelaide	46692	1710	4641	1191	27338	4085	0	85657	42829
Adelaide	35666	1355	6794	978	38530	1753	0	85076	42539
Sturt	30099	1970	5279	597	45007	4167	0	87119	43560
Boothby	30893	1746	6131	1227	43640	2571	0	86208	43105
Hindmarsh	36786	1366	4437	2495	39869	1953	0	86906	43454
									215486
TOTAL VOTES	180136	8147	27282	6488	194384	14529	0	430966	But votes in 5 PR quotas are:
% OF SUB-TOTAL	41.80	1.89	6.33	1.51	45.10	3.37	0.00	100.00	359140
NO. OF QUOTAS	2.51	0.11	0.38	0.09	2.71	0.20	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	2	0	0	5	1.67
ACTUAL SEATS	3	0	0	0	2	0	0	5	

THE THREE SINGLE-MEMBER DIVISIONS	PR. DIV. NO. 16	SA	3 MHRs	25.00% Quota= 63107	TOTAL FIRST PREFERENCE VOTES			THE 3 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT	
Grey	26375	2036	2872	2173	49155	4397	0	87008
Wakefield	34159	1346	3346	2066	35320	4379	0	80616
Makin	36486	1484	3213	1535	37912	4172	0	84802
								126215
TOTAL VOTES	97020	4866	9431	5774	122387	12948	0	252426
% OF SUB-TOTAL	38.44	1.93	3.74	2.29	48.48	5.13	0.00	100.00
NO. OF QUOTAS	1.54	0.08	0.15	0.09	1.94	0.21	0.00	3.99
ESTIMATED PR SEATS	1	0	0	0	2	0	0	3
ACTUAL SEATS	0	0	0	0	3	0	0	3

THE THREE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 17	SA	3 MHRs	25.00% Quota= 64564			TOTAL FIRST PREFERENCE VOTES	THE 3 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
					ALP	AD	GRN.		
Barker	19478	1339	3704	12684	48233	5276	0	90714	45358
Mayo	13689	1505	6305	13957	44520	3027	0	83003	41502
Kingston	35748	1825	4478	869	36848	4767	0	84535	42268
									129128
TOTAL VOTES	68915	4669	14487	27510	129601	13070	0	258252	But votes in 3 PR quotas are:
% OF SUB-TOTAL	26.69	1.81	5.61	10.65	50.18	5.06	0.00	100.00	193692
NO. OF QUOTAS	1.09	0.07	0.23	0.44	2.05	0.21	0.00	4.08	so PR:SM quota ratio is:
ESTIMATED PR SEATS	1	0	0	0	2	0	0	3	1.50
ACTUAL SEATS	0	0	0	0	3	0	0	3	

PROPORTIONAL REPRESENTATION ANALYSIS

2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

Estimated No. of PR (Hare-Clark) Seats in possible multi-member divisions:

QUEENSLAND, WESTERN AUSTRALIA, ACT, NT

The Country Liberal Party, of the Northern Territory, is shown, consistent with past analyses, under the *Liberal* column.

Total first preference votes of winners of single-member divisions are shown in **bold** type.

Largest no. of first preferences is underlined. Estimated no. of PR seats is at the foot of each table.

Of the 46 winners here, the 37 without an absolute majority of first preferences are *initials*.

The winners in **Cowan** and **Swan** lack a plurality, which is shaded in each case.

To see a major fatal flaw of single-member districts, click on [Redistricting Roulette](#).

It is software - acknowledging its PRSA inspiration - of a USA counterpart of PRSA

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THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 18	QLD	7 MHRs	12.50% Quota= 71006			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Leichhardt	24305	972	5020	3789	41377	2100	0	<u>77563</u>	38782
Kennedy	19296	575	2879	36702	0	2592	19413	<u>81457</u>	40729
Herbert	28260	1025	3915	2998	38792	2993	0	<u>77983</u>	38992
Dawson	25626	690	2606	11056	0	2435	39406	<u>81819</u>	40910
Capricornia	38984	1185	1690	3635	10938	3424	22719	<u>82575</u>	41288
Hinkler	33167	906	2824	3822	0	4010	40040	<u>84769</u>	42385
Wide Bay	21031	935	3624	14844	0	2899	38544	<u>81877</u>	40939
TOTAL VOTES	190669	6288	22558	76846	91107	20453	160122	568043	284025
% OF SUB-TOTAL	33.57	1.11	3.97	13.53	16.04	3.60	28.19	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.69	0.09	0.32	1.08	1.28	0.29	2.26	7.99	497042
ESTIMATED PR SEATS	3	0	0	1	1	0	2	7	so PR:SM quota ratio is:
ACTUAL SEATS	1	0	0	1	2	0	3	7	1.75

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 19	QLD	7 MHRs	12.50% Quota= 69987			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Maranoa	17636	903	1580	8039	0	3067	47846	<u>79071</u>	39536
Groom	19516	860	3252	3469	49131	5168	0	<u>81396</u>	40699
Blair	25709	1049	2406	6952	42683	2982	0	<u>81781</u>	40891
Ryan	23365	1926	7753	222	43499	2670	0	<u>79435</u>	39718
Oxley	39807	903	3474	5259	26528	2906	0	<u>78877</u>	39439
Moreton	30828	1307	4182	1645	38708	2142	0	<u>78812</u>	39407
Griffith	39247	1084	7237	1348	30032	1572	0	<u>80520</u>	40261
TOTAL VOTES	196108	8032	29884	26934	230581	20507	47846	559892	279950
% OF SUB-TOTAL	35.03	1.43	5.34	4.81	41.18	3.66	8.55	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.80	0.11	0.43	0.38	3.29	0.29	0.68	7.99	489909
ESTIMATED PR SEATS	3	0	0	0	3	0	1	7	so PR:SM quota ratio is:
ACTUAL SEATS	2	0	0	0	4	0	1	7	1.75

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 20	QLD	7 MHRs	12.50% Quota= 68313			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Fairfax	20289	1896	7536	2533	39075	3390	0	<u>74719</u>	37360
Fisher	22011	1201	4617	2677	42641	3174	0	<u>76321</u>	38161
Longman	27790	1339	3096	3017	40345	2187	0	<u>77774</u>	38888
Petrie	29589	1403	3676	0	41987	2972	0	<u>79627</u>	39814
Dickson	27036	1270	4485	373	39810	3454	0	<u>76428</u>	38215
Lilley	40234	1230	4630	0	33902	2314	0	<u>82310</u>	41156
Brisbane	33687	1269	7349	3398	31721	1899	0	<u>79323</u>	39662
TOTAL VOTES	200636	9608	35389	11998	269481	19390	0	546502	273255
% OF SUB-TOTAL	36.71	1.76	6.48	2.20	49.31	3.55	0.00	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.94	0.14	0.52	0.18	3.94	0.28	0.00	7.99	478191
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	so PR:SM quota ratio is:
ACTUAL SEATS	2	0	0	0	5	0	0	7	1.75

THE SEVEN SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 21	QLD	7 MHRs	12.50% Quota= 65807			TOTAL FIRST PREFERENCE VOTES	THE 7 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
McPherson	22037	788	3789	1347	43124	2063	0	73148	36575
Moncrieff	17393	834	3620	1871	46817	2186	0	72721	36361
Fadden	19919	1109	3011	2026	42328	2680	0	71073	35537
Bowman	27631	835	3729	3125	39363	3126	0	77809	38905
Bonner	33261	1090	3836	1887	34334	3393	0	77801	38901
Rankin	34471	653	2422	8080	28819	4036	0	78481	39241
Forde	23382	1018	3076	3621	41335	2986	0	75418	37710
TOTAL VOTES	178094	6327	23483	21957	276120	20470	0	526451	263229
% OF SUB-TOTAL	33.83	1.20	4.46	4.17	52.45	3.89	0.00	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.71	0.10	0.36	0.33	4.20	0.31	0.00	7.99	460649
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	so PR:SM quota ratio is:
ACTUAL SEATS	1	0	0	0	6	0	0	7	1.75
THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 22	WA	5 MHRs	16.67% Quota= 61639			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Moore	21446	1160	4829	3022	37739	0	0	68196	34099
Cowan	33510	1002	4272	3693	33905	0	0	76382	38192
Perth	33532	1344	7045	4501	27127	0	0	73549	36775
Curtin	17968	1688	8689	2232	45081	0	0	75658	37830
Stirling	29616	1108	5438	3946	35938	0	0	76046	38024
TOTAL VOTES	136072	6302	30273	17394	179790	0	0	369831	184918
% OF SUB-TOTAL	36.79	1.70	8.19	4.70	48.61	0.00	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	2.21	0.10	0.49	0.28	2.92	0.00	0.00	5.99	308195
ESTIMATED PR SEATS	2	0	0	0	3	0	0	5	so PR:SM quota ratio is:
ACTUAL SEATS	2	0	0	0	3	0	0	5	1.67
THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 23	WA	5 MHRs	16.67% Quota= 60371			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Swan	27675	1133	5745	3591	30598	582	0	69324	34663
Hasluck	27395	1236	4911	5547	32457	0	0	71546	35774
Tangney	21288	1440	5814	5977	40061	0	0	74580	37291
Fremantle	32394	1231	8562	4361	26118	0	0	72666	36334
Brand	34892	619	3578	5452	29563	0	0	74104	37053
TOTAL VOTES	143644	5659	28610	24928	158797	582	0	362220	181113
% OF SUB-TOTAL	39.66	1.56	7.90	6.88	43.84	0.16	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	2.38	0.09	0.47	0.41	2.63	0.01	0.00	5.99	301855
ESTIMATED PR SEATS	2	0	1	0	2	0	0	5	so PR:SM quota ratio is:
ACTUAL SEATS	3	0	0	0	2	0	0	5	1.67
THE FIVE SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 24	WA	5 MHRs	16.67% Quota= 60838			TOTAL FIRST PREFERENCE VOTES	THE 5 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Kalgoorlie	20691	496	4101	10086	29457	0	0	64831	32416
O'Connor	13559	511	4910	15151	38878	0	0	73009	36505
Forrest	21655	1311	6549	5318	41422	1281	0	77536	38769
Pearce	21046	1155	5891	6631	40300	0	0	75023	37512
Canning	24533	864	3766	5350	39354	756	0	74623	37312
TOTAL VOTES	101484	4337	25217	42536	189411	2037	0	365022	182514
% OF SUB-TOTAL	27.80	1.19	6.91	11.65	51.89	0.56	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	1.67	0.07	0.41	0.70	3.11	0.03	0.00	5.99	304190
ESTIMATED PR SEATS	2	0	0	0	3	0	0	5	so PR:SM quota ratio is:
ACTUAL SEATS	0	0	0	0	5	0	0	5	1.67

THE TWO SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 25	ACT	2 MHRs	33.33% Quota= 69542			TOTAL FIRST PREFERENCE VOTES	THE 2 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Canberra	50214	2218	10243	765	37238	0	0	100678	50339
Fraser	54622	2792	12197	2067	36270	0	0	107948	53974
TOTAL VOTES	104836	5010	22440	2832	73508	0	0	208626	104313
% OF SUB-TOTAL	50.25	2.40	10.76	1.36	35.23	0.00	0.00	100.00	But votes in 2 PR quotas are:
NO. OF QUOTAS	1.51	0.07	0.32	0.04	1.06	0.00	0.00	2.99	139084
ESTIMATED PR SEATS	1	0	0	0	1	0	0	2	so PR:SM quota ratio is:
ACTUAL SEATS	2	0	0	0	0	0	0	2	1.33

THE TWO SINGLE-MEMBER DIVISIONS	PR. DIV.	NO. 26	NT	2 MHRs	33.33% Quota= 30305			TOTAL FIRST PREFERENCE VOTES	THE 2 SINGLE-MEMBER QUOTAS* TOTALLED BELOW FOR THIS PR DIV. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
Solomon	18464	892	3246	953	23361	1000	0	47916	23958
Lingiari	21782	1260	2400	1063	16494	0	0	42999	21500
TOTAL VOTES	40246	2152	5646	2016	39855	1000	0	90915	45458
% OF SUB-TOTAL	44.27	2.37	6.21	2.22	43.84	1.10	0.00	100.00	But votes in 2 PR quotas are:
NO. OF QUOTAS	1.33	0.07	0.19	0.07	1.32	0.03	0.00	2.99	60610
ESTIMATED PR SEATS	1	0	0	0	1	0	0	2	so PR:SM quota ratio is:
ACTUAL SEATS	1	0	0	0	1	0	0	2	1.33