

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 **coloured** type.

Largest no. of first preferences is underlined. **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 (**30%**) are in *italics*.

The MHRs elected for **Parramatta** and **Richmond** each lack a plurality, which is shaded yellow 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	<u>36766</u>	1701	17784	2613	23419	0	0	82283	41142
Wentworth	19391	683	8210	14268	<u>30771</u>	301	0	73624	36813
Kingsford-Smith	<u>36565</u>	747	5430	4334	26639	0	0	73715	36858
Cook	20593	661	5144	4818	<u>43161</u>	0	0	74377	37189
Barton	<u>36909</u>	1648	5169	1284	29319	0	0	74329	37165
Banks	<u>32736</u>	675	3433	4956	30927	655	0	73382	36692
Watson	<u>39046</u>	914	4667	1428	21723	1150	0	68928	34465
Grayndler	<u>38634</u>	1579	15914	1010	18347	0	0	75484	37743
Lowe	<u>32777</u>	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	<u>605286</u>
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	<u>54582</u>	1140	0	84815	42408
Parramatta	<u>31166</u>	798	3973	5325	<u>33073</u>	674	0	75009	37505
Reid	<u>33052</u>	802	3376	7320	19796	0	0	64346	32174
Bennelong	21819	967	12573	3129	<u>38326</u>	0	0	76814	38408
Bradfield	16735	1971	9249	0	<u>51356</u>	1459	0	80770	40386
Berowra	20351	1457	7465	3965	<u>43674</u>	883	0	77795	38898
Mackellar	15492	1133	8193	7281	<u>44778</u>	1318	0	78195	39098
Warringah	19181	0	8833	4981	<u>40798</u>	1023	0	74816	37409
North Sydney	21864	1456	9890	1884	<u>45105</u>	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	<u>623484</u>
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	<u>42021</u>	1082	0	78885	39443
Greenway	30389	672	2730	7858	<u>33353</u>	877	0	75879	37940
Lindsay	27117	615	2547	6650	<u>35119</u>	1006	0	73054	36528
Chifley	<u>39836</u>	0	4326	5397	20814	1211	0	71584	35793
Prospect	<u>37802</u>	1131	4009	3723	28828	0	0	75493	37747
Fowler	<u>44141</u>	0	5164	2756	18253	0	0	70314	35158
Blaxland	<u>37117</u>	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	<u>449939</u>
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	<u>40837</u>	965	2432	6107	27241	0	0	77582	38792
Hughes	24739	1162	5372	4093	<u>43726</u>	0	0	79092	39547
Macarthur	24584	625	3324	3554	<u>40469</u>	1735	0	74291	37146
Cunningham	<u>29041</u>	686	14747	7666	21115	0	0	73255	36628
Throsby	<u>44495</u>	2078	7995	0	24519	0	0	79087	39544
TOTAL VOTES	163696	5516	33870	21420	157070	1735	0	383307	191656
% OF SUB-TOTAL	42.71	1.44	8.84	5.59	40.98	0.45	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	2.56	0.09	0.53	0.34	2.46	0.03	0.00	5.99	<u>319425</u>
ESTIMATED PR SEATS	3	0	0	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. 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	<u>28059</u>	913	9751	2375	0	1626	<u>36095</u>	78819	39410
Page	25702	0	8399	5895	0	0	<u>37637</u>	77633	38817
Cowper	24873	1468	7239	5105	0	0	<u>38998</u>	77683	38842
Lyne	22325	1401	3966	7563	0	1181	<u>46958</u>	83394	41698
Paterson	28633	577	3303	4937	<u>41289</u>	681	0	79420	39711
TOTAL VOTES	129592	4359	32658	25875	41289	3488	159688	396949	198477
% OF SUB-TOTAL	32.65	1.10	8.23	6.52	10.40	0.88	40.23	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	1.96	0.07	0.49	0.39	0.62	0.05	2.41	5.99	<u>330795</u>
ESTIMATED PR SEATS	2	0	0	0	1	0	2	5	so PR:SM quota ratio is:
ACTUAL SEATS	1	0	0	0	1	0	3	5	1.67

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	<u>37392</u>	2018	9701	3305	28902	0	0	81318	40660
Shortland	<u>40069</u>	1211	6333	2113	28745	1804	0	80275	40138
Charlton	<u>35765</u>	1513	6964	2796	27480	3317	0	77835	38918
Dobell	27417	647	3782	4549	<u>37347</u>	1656	0	75398	37700
Robertson	27107	0	6200	1555	<u>41816</u>	1312	0	77990	38996
TOTAL VOTES	167750	5389	32980	14318	164290	8089	0	392816	196411
% OF SUB-TOTAL	42.70	1.37	8.40	3.64	41.82	2.06	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	2.56	0.08	0.50	0.22	2.51	0.12	0.00	5.99	<u>327350</u>
ESTIMATED PR SEATS	3	0	0	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. 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	<u>47673</u>	8070	0	15031	80441	40221
Gwydir	17396	0	3399	8046	0	0	<u>46951</u>	75792	37896
Hunter	<u>43216</u>	0	5195	9424	0	1176	21621	80632	40316
Calare	13439	0	1868	<u>41499</u>	13087	959	10482	81334	40667
Parke	23568	0	2577	3621	0	0	<u>45569</u>	75335	37668
TOTAL VOTES	104607	0	15718	110263	21157	2135	139654	393534	196767
% OF SUB-TOTAL	26.58	0.00	3.99	28.02	5.38	0.54	35.49	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	1.59	0.00	0.24	1.68	0.32	0.03	2.13	5.99	<u>327950</u>
ESTIMATED PR SEATS	1	0	0	2	0	0	2	5	so PR:SM quota ratio is:
ACTUAL SEATS	1	0	0	2	0	0	2	5	1.67

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	<u>46652</u>	0	0	80946	40473
Gilmore	24835	0	6234	5319	<u>43723</u>	0	0	80111	40056
Eden-Monaro	32592	725	6256	3774	<u>40783</u>	0	0	84130	42065
Farrer	17354	463	2732	5849	<u>48304</u>	1395	0	76097	38049
Riverina	20080	0	3497	3389	0	0	<u>54328</u>	81294	40647
TOTAL VOTES	117723	1901	23983	23786	179462	1395	54328	402578	201289
% OF SUB-TOTAL	29.24	0.47	5.96	5.91	44.58	0.35	13.50	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	1.75	0.03	0.36	0.35	2.67	0.02	0.81	5.99	335485
ESTIMATED PR SEATS	2	0	0	0	2	0	1	5	so PR:SM quota ratio is:
ACTUAL SEATS	0	0	0	0	4	0	1	5	1.67

PROPORTIONAL REPRESENTATION ANALYSIS

2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

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

VICTORIA

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

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

Of the 37 winners here, the 11 without an absolute majority of first preferences (**30%**) are in *italics*.

The MHRs elected for **Melbourne Ports** and **Bendigo** each lack a plurality, which is shaded yellow 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	<u>46209</u>	0	3941	1287	24196	2656	0	78289	39145
Batman	<u>41953</u>	1105	10520	1510	19603	853	0	75544	37773
Melbourne	<u>42047</u>	1326	15416	1323	20374	718	0	81204	40603
Gellibrand	<u>43383</u>	1032	7210	1263	25069	1463	0	79420	39711
Lalor	<u>43677</u>	1182	3381	462	30715	2607	0	82024	41013
Gorton	<u>48930</u>	0	4204	510	26717	2052	0	82413	41207
Calwell	<u>39692</u>	1180	4175	2947	29504	1870	0	79368	39685
Maribyrnong	<u>40075</u>	1261	5358	656	29281	1443	0	78074	39038
Wills	<u>44158</u>	1163	10663	1240	23549	1275	0	82048	41025
TOTAL VOTES	390124	8249	64868	11198	229008	14937	0	718384	359197
% OF SUB-TOTAL	54.31	1.15	9.03	1.56	31.88	2.08	0.00	100.00	But votes in 9 PR quotas are:
NO. OF QUOTAS	5.43	0.11	0.90	0.16	3.19	0.21	0.00	9.99	<u>646551</u>
ESTIMATED PR SEATS	5	0	1	0	3	0	0	9	so PR:SM quota ratio is:
ACTUAL SEATS	9	0	0	0	0	0	0	9	1.80

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	<u>38303</u>	983	7111	974	36210	1956	0	85537	42769
Menzies	26635	1226	5251	256	<u>46132</u>	1739	0	81239	40620
Deakin	29240	1595	6359	879	<u>40922</u>	1889	0	80884	40443
Chisholm	<u>34241</u>	1561	5715	900	33945	1468	0	77830	38916
Kooyong	23132	1472	9997	446	<u>43581</u>	1099	0	79727	39864
Higgins	24166	1440	8993	243	<u>43739</u>	658	0	79239	39620
Melbourne Ports	<u>32046</u>	1102	11508	1478	<u>35058</u>	444	0	81636	40819
TOTAL VOTES	207763	9379	54934	5176	279587	9253	0	566092	283050
% OF SUB-TOTAL	36.70	1.66	9.70	0.91	49.39	1.63	0.00	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.94	0.13	0.78	0.07	3.95	0.13	0.00	7.99	<u>495334</u>
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	so PR:SM quota ratio is:
ACTUAL SEATS	3	0	0	0	4	0	0	7	1.75

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	<u>46067</u>	1949	0	82948	41475
Isaacs	<u>37245</u>	862	6143	1400	36391	2019	0	84060	42031
Holt	<u>37269</u>	1160	3638	1169	34974	3403	0	81613	40807
Aston	25384	998	3957	1130	<u>47686</u>	2290	0	81445	40723
Bruce	<u>37109</u>	1079	4110	282	33807	2064	0	78451	39226
Hotham	<u>40735</u>	975	4287	498	30992	2045	0	79532	39767
Goldstein	24941	1006	7251	1753	<u>45829</u>	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:
NO. OF QUOTAS	3.24	0.10	0.49	0.10	3.87	0.21	0.00	7.99	<u>498680</u>
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	so PR:SM quota ratio is:
ACTUAL SEATS	4	0	0	0	3	0	0	7	1.75

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	<u>57370</u>	83855	41928
Wannon	26816	806	3663	1704	<u>48687</u>	2508	0	84184	42093
Corangamite	31105	0	6355	804	<u>44060</u>	2318	0	84642	42322
Corio	<u>37405</u>	0	4733	3633	32289	2077	0	80137	40069
Ballarat	<u>37734</u>	0	5641	1301	37377	1799	0	83852	41927
Bendigo	<u>38356</u>	0	6108	373	<u>40035</u>	3238	0	88110	44056
Murray	15899	0	2449	7455	<u>52697</u>	1917	0	80417	40209
									292602
TOTAL VOTES	204349	2107	32115	16467	255145	17644	57370	585197	But votes in 7 PR quotas are:
% OF SUB-TOTAL	34.92	0.36	5.49	2.81	43.60	3.02	9.80	100.00	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	<u>41531</u>	85234	42618
Indi	21710	0	5321	558	<u>51834</u>	3341	0	82764	41383
McMillan	28555	638	3381	2513	<u>32379</u>	1289	6676	75431	37716
Flinders	25621	715	5204	1720	<u>48249</u>	1435	0	82944	41473
La Trobe	26251	1160	7313	1367	<u>39810</u>	1830	0	77731	38866
Casey	23762	1002	6302	698	<u>45050</u>	3243	0	80057	40029
McEwen	30205	713	6686	3084	<u>45230</u>	1500	0	87418	43710
									285793
TOTAL VOTES	185157	5540	37941	17139	262552	15043	48207	571579	But votes in 7 PR quotas are:
% OF SUB-TOTAL	32.39	0.97	6.64	3.00	45.93	2.63	8.43	100.00	500136
NO. OF QUOTAS	2.59	0.08	0.53	0.24	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	

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

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

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

Of the 5 winners here, the 5 without an absolute majority of first preferences (**100%**) are in *italics*.

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

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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	<u>30681</u>	2581	0	64787	32394
Bass	24491	0	5059	1066	<u>30678</u>	1145	0	62439	31220
Lyons	<u>26994</u>	0	6026	311	25647	1606	0	60584	30293
Denison	<u>31602</u>	0	9318	544	20782	1578	0	63824	31913
Franklin	<u>29938</u>	0	7207	345	24936	2063	0	64489	32245
									158064
TOTAL VOTES	140918	0	31242	2266	132724	8973	0	316123	But votes in 5 PR quotas are:
% OF SUB-TOTAL	44.58	0.00	9.88	0.72	41.98	2.84	0.00	100.00	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	

PROPORTIONAL REPRESENTATION ANALYSIS

2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

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

SOUTH AUSTRALIA

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

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

Of the 11 winners here, the 4 without an absolute majority of first preferences (**36%**) are in *italics*.

The MHRs elected for **Adelaide** and **Hindmarsh** each lack a plurality, which is shaded yellow in each case.

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

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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. (*ABSOLUTE MAJORITIES)
	ALP	AD	GRN.	OTH.	LIB	FF	NAT		
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
TOTAL VOTES	180136	8147	27282	6488	194384	14529	0	430966	215486
% OF SUB-TOTAL	41.80	1.89	6.33	1.51	45.10	3.37	0.00	100.00	But votes in 5 PR quotas are:
NO. OF QUOTAS	2.51	0.11	0.38	0.09	2.71	0.20	0.00	5.99	359140
ESTIMATED PR SEATS	3	0	0	0	2	0	0	5	so PR:SM quota ratio is:
ACTUAL SEATS	3	0	0	0	2	0	0	5	1.67

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	43505
Wakefield	34159	1346	3346	2066	35320	4379	0	80616	40309
Makin	36486	1484	3213	1535	37912	4172	0	84802	42402
TOTAL VOTES	97020	4866	9431	5774	122387	12948	0	252426	126215
% OF SUB-TOTAL	38.44	1.93	3.74	2.29	48.48	5.13	0.00	100.00	But votes in 3 PR quotas are:
NO. OF QUOTAS	1.54	0.08	0.15	0.09	1.94	0.21	0.00	3.99	189321
ESTIMATED PR SEATS	1	0	0	0	2	0	0	3	so PR:SM quota ratio is:
ACTUAL SEATS	0	0	0	0	3	0	0	3	1.50

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.	OTH.	LIB	FF	NAT		
Barker	19478	1339	3704	3073	48233	5276	9611	90714	45358
Mayo	13689	1505	6305	13957	44520	3027	0	83003	41502
Kingston	35748	1825	4478	869	36848	4767	0	84535	42268
TOTAL VOTES	68915	4669	14487	17899	129601	13070	9611	258252	129128
% OF SUB-TOTAL	26.69	1.81	5.61	6.93	50.18	5.06	3.72	100.00	But votes in 3 PR quotas are:
NO. OF QUOTAS	1.09	0.07	0.23	0.28	2.05	0.21	0.15	4.08	193692
ESTIMATED PR SEATS	1	0	0	0	2	0	0	3	so PR:SM quota ratio is:
ACTUAL SEATS	0	0	0	0	3	0	0	3	1.50

PROPORTIONAL REPRESENTATION ANALYSIS

2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

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

QUEENSLAND

Total first preference votes of winners of **single-member divisions** are shown in **coloured** type.
Largest no. of first preferences is underlined. **Estimated no. of PR seats is at the foot of each table.**
Of the 28 winners here, the 11 without an absolute majority of first preferences (**39%**) are in *italics*.

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

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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	<u>41377</u>	2100	0	77563	38782
Kennedy	19296	575	2879	<u>36702</u>	0	2592	19413	81457	40729
Herbert	28260	1025	3915	2998	<u>38792</u>	2993	0	77983	38992
Dawson	25626	690	2606	11056	0	2435	<u>39406</u>	81819	40910
Capricornia	<u>38984</u>	1185	1690	3635	10938	3424	22719	82575	41288
Hinkler	33167	906	2824	3822	0	4010	<u>40040</u>	84769	42385
Wide Bay	21031	935	3624	14844	0	2899	<u>38544</u>	81877	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	<u>497042</u>
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	<u>47846</u>	79071	39536
Groom	19516	860	3252	3469	<u>49131</u>	5168	0	81396	40699
Blair	25709	1049	2406	6952	<u>42683</u>	2982	0	81781	40891
Ryan	23365	1926	7753	222	<u>43499</u>	2670	0	79435	39718
Oxley	<u>39807</u>	903	3474	5259	26528	2906	0	78877	39439
Moreton	30828	1307	4182	1645	<u>38708</u>	2142	0	78812	39407
Griffith	<u>39247</u>	1084	7237	1348	30032	1572	0	80520	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	<u>489909</u>
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	<u>39075</u>	3390	0	74719	37360
Fisher	22011	1201	4617	2677	<u>42641</u>	3174	0	76321	38161
Longman	27790	1339	3096	3017	<u>40345</u>	2187	0	77774	38888
Petrie	29589	1403	3676	0	<u>41987</u>	2972	0	79627	39814
Dickson	27036	1270	4485	373	<u>39810</u>	3454	0	76428	38215
Lilley	<u>40234</u>	1230	4630	0	33902	2314	0	82310	41156
Brisbane	<u>33687</u>	1269	7349	1156	31721	1899	2242	79323	39662
TOTAL VOTES	200636	9608	35389	9756	269481	19390	2242	546502	273255
% OF SUB-TOTAL	36.71	1.76	6.48	1.79	49.31	3.55	0.41	100.00	But votes in 7 PR quotas are:
NO. OF QUOTAS	2.94	0.14	0.52	0.14	3.94	0.28	0.03	7.99	<u>478191</u>
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	<u>43124</u>	2063	0	73148	36575
Moncrieff	17393	834	3620	1871	<u>46817</u>	2186	0	72721	36361
Fadden	19919	1109	3011	2026	<u>42328</u>	2680	0	71073	35537
Bowman	27631	835	3729	0	<u>39363</u>	3126	3125	77809	38905
Bonner	33261	1090	3836	1887	<u>34334</u>	3393	0	77801	38901
Rankin	<u>34471</u>	653	2422	6893	28819	4036	1187	78481	39241
Forde	23382	1018	3076	3621	<u>41335</u>	2986	0	75418	37710
									263229
TOTAL VOTES	178094	6327	23483	17645	276120	20470	4312	526451	But votes in 7 PR quotas are:
% OF SUB-TOTAL	33.83	1.20	4.46	3.35	52.45	3.89	0.82	100.00	460649
NO. OF QUOTAS	2.71	0.10	0.36	0.27	4.20	0.31	0.07	7.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	3	0	0	0	4	0	0	7	1.75
ACTUAL SEATS	1	0	0	0	6	0	0	7	

PROPORTIONAL REPRESENTATION ANALYSIS 2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

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

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 **coloured** type.

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

Of the 15 winners here, the 8 without an absolute majority of first preferences (**53%**) are in *italics*.

The MHRs elected for **Cowan** and **Swan** each lack a plurality, which is shaded yellow in each case.

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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	<u>37739</u>	0	0	68196	34099
Cowan	33510	1002	4272	3693	<u>33905</u>	0	0	76382	38192
Perth	<u>33532</u>	1344	7045	4501	27127	0	0	73549	36775
Curtin	17968	1688	8689	2232	<u>45081</u>	0	0	75658	37830
Stirling	29616	1108	5438	3946	<u>35938</u>	0	0	76046	38024
									184918
TOTAL VOTES	136072	6302	30273	17394	179790	0	0	369831	But votes in 5 PR quotas are:
% OF SUB-TOTAL	36.79	1.70	8.19	4.70	48.61	0.00	0.00	100.00	308195
NO. OF QUOTAS	2.21	0.10	0.49	0.28	2.92	0.00	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	2	0	0	0	3	0	0	5	1.67
ACTUAL SEATS	2	0	0	0	3	0	0	5	

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	<u>30598</u>	582	0	69324	34663
Hasluck	27395	1236	4911	5547	<u>32457</u>	0	0	71546	35774
Tangney	21288	1440	5814	5977	<u>40061</u>	0	0	74580	37291
Fremantle	<u>32394</u>	1231	8562	4361	26118	0	0	72666	36334
Brand	<u>34892</u>	619	3578	5452	29563	0	0	74104	37053
									181113
TOTAL VOTES	143644	5659	28610	24928	158797	582	0	362220	But votes in 5 PR quotas are:
% OF SUB-TOTAL	39.66	1.56	7.90	6.88	43.84	0.16	0.00	100.00	301855
NO. OF QUOTAS	2.38	0.09	0.47	0.41	2.63	0.01	0.00	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	2	0	1	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. 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	10068	<u>29475</u>	0	0	64831	32416
O'Connor	13559	511	4910	8256	<u>38878</u>	0	6895	73009	36505
Forrest	21655	1311	6549	5318	<u>41422</u>	1281	0	77536	38769
Pearce	21046	1155	5891	6631	<u>40300</u>	0	0	75023	37512
Canning	24533	864	3766	5350	<u>39354</u>	756	0	74623	37312
									182514
TOTAL VOTES	101484	4337	25217	35623	189429	2037	6895	365022	But votes in 5 PR quotas are:
% OF SUB-TOTAL	27.80	1.19	6.91	9.76	51.90	0.56	1.89	100.00	304190
NO. OF QUOTAS	1.67	0.07	0.41	0.59	3.11	0.03	0.11	5.99	so PR:SM quota ratio is:
ESTIMATED PR SEATS	2	0	0	0	3	0	0	5	1.67
ACTUAL SEATS	0	0	0	0	5	0	0	5	

PROPORTIONAL REPRESENTATION ANALYSIS 2004 POLLS: 41ST AUSTRALIAN HOUSE OF REPRESENTATIVES

Estimated No. of PR (Hare-Clark) Seats in possible multi-member divisions: **AUSTRALIAN CAPITAL TERRITORY & NORTHERN TERRITORY**

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 **coloured** type.

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

Of the 4 winners here, the 2 without an absolute majority of first preferences (**50%**) are in *italics*.

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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	<u>50214</u>	2218	10243	765	37238	0	0	100678	50339
Fraser	<u>54622</u>	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	<u>23361</u>	1000	0	47916	23958
Lingiari	<u>21782</u>	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