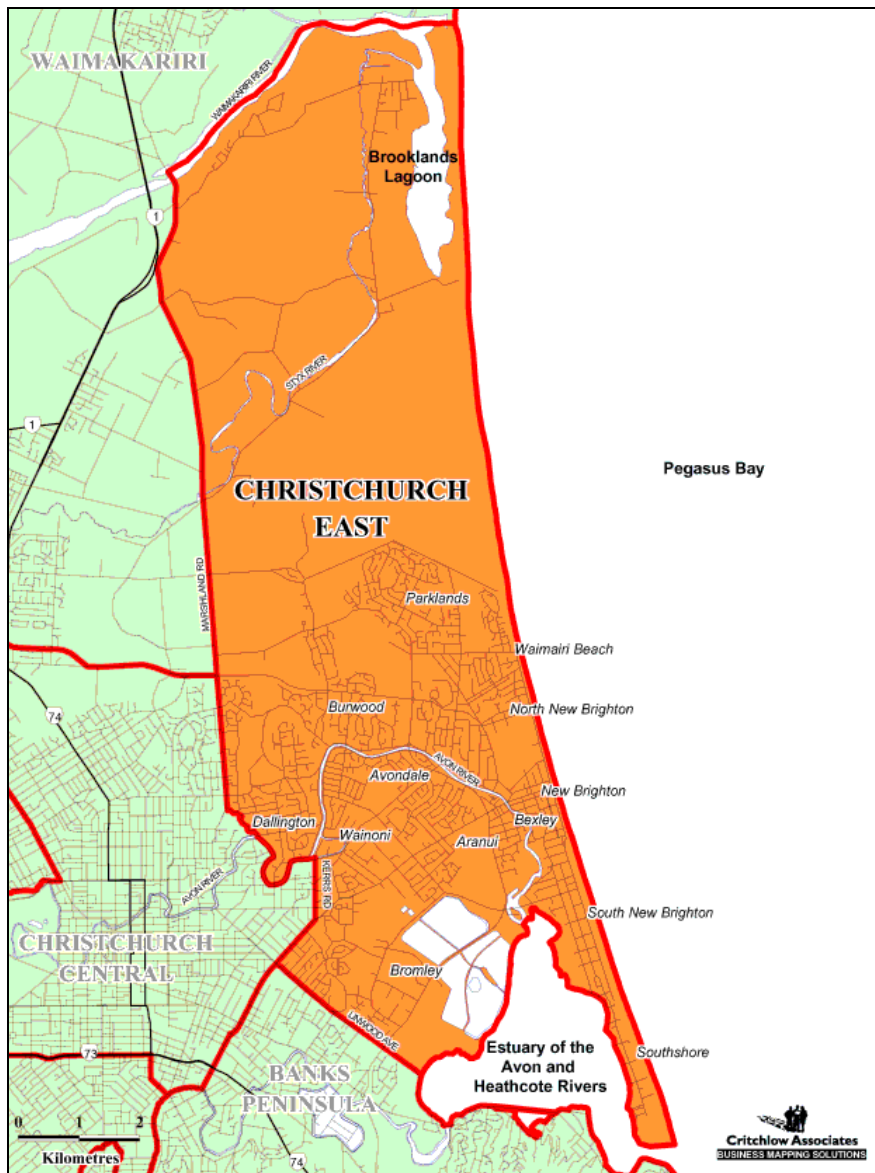


Electorate Profile

Christchurch East



Parliamentary Library
Te Pātaka Rangahau a Te Whare Pāremata

October 2005

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Electoral Profile

General Notes

The Christchurch East electorate is bounded by the Waimakariri river in the North and the Avon estuary in the south. The electorate is based on the communities of Southshore, Bromley, Dallington, Burwood, Brooklands, New Brighton, Bexley and Aranui.

Of those aged 15 or over in gainful employment in 2001, 14.3% worked in the retail trade industry – the second highest share among general electorates.

Election Results

The winning candidate in the 2005 election, Lianne Dalziel (Labour Party), captured a majority (60.31%) of the 34,767 valid electorate votes cast for candidates in the Christchurch East electorate. The seat was also held in 2002 by Lianne Dalziel (Labour Party) with a margin of 14,864. The Labour Party captured a majority (53.44%) of the party votes in Christchurch East, up about 2 percentage points on its party vote share in 2002. Turnout (total votes cast as a proportion of enrolled electors) in 2005 was 81.18%.

2005 Election Results – Ranked by Electorate Vote

Winning Candidate: DALZIEL, Lianne (LAB) - Majority: 11973			
Electorate Votes		Party Votes	
Candidate	Valid Share Votes (%)	Party	Valid Share Votes (%)
DALZIEL, Lianne	20,969 60.31	Labour Party	18,893 53.44
ROUND, David John	8,996 25.88	National Party	9,851 27.86
McCAMMON, Mary	1,698 4.88	Green Party	1,948 5.51
WILSON, Dianne	1,205 3.47	United Future New Zealand	1,176 3.33
SILCOCK, Karen	926 2.66	Jim Anderton's Progressive	926 2.62
PETERS, John	401 1.15	ACT New Zealand	277 0.78
O'CONNELL, Kevin Patrick	299 0.86	Aotearoa Legalise Cannabis Party	101 0.29
BOYD, Lynda	167 0.48	Alliance	98 0.28
CHAPMAN, Kyle	63 0.18	Direct Democracy Party	13 0.04
HOPKINSON, Paul	43 0.12		
		New Zealand First Party	1,694 4.79
		Destiny New Zealand	170 0.48
		Māori Party	97 0.27
		Christian Heritage NZ	54 0.15
		Democrats for Social Credit	18 0.05
		Libertarianz	13 0.04
		NZ Family Rights Protection Party	7 0.02
		99 MP Party	6 0.02
		The Republic of NZ Party	6 0.02
		OneNZ Party	5 0.01
Total Valid Votes	34,767 100.00		35,353 100.00
Total Votes Cast	35,191		35,539

Voter Enrolment and Turnout 2002, 2005

	ChCh East	NZ	ChCh East	NZ
	2002		2005	
Voting Age Population (VAP) *	44,880	2,816,040	49,000	2,990,300
Electors on General Roll (EGR)	40,937	2,475,916	43,960	2,639,393
Electors on Maori Roll	1,730	194,114	2,094	208,003
Total Enrolled **	42,667	2,670,030	46,054	2,847,396
Total Votes Cast by EGR (TVC)	31,753	1,943,659	35,688	2,164,495
% VAP Enrolled	95.1%	94.8%	94.0%	95.2%
Turnout (TVC as % EGR)	77.6%	78.5%	81.2%	82.0%

* Estimated population statistics as at: June 2001; June 2005.

** Enrolment statistics as at: July 2002; 17 September 2005.

2002 Election Results – Ranked by Electorate Vote

Winning Candidate: DALZIEL, Lianne Audrey - majority 14864					
Electorate Votes			Party Votes		
Candidate	Valid Votes	Share (%)	Party	Valid Votes	Share (%)
DALZIEL, Lianne Audrey	19,784	63.92	Labour Party	16,142	51.29
JOHNSTON, Stephen Andrew	4,920	15.90	National Party	4,368	13.88
MCCAMMON, Mary	1,557	5.03	Green Party	2,068	6.57
DUXBURY, Paul	1,532	4.95	United Future	2,394	7.61
PETERS, Andre John	841	2.72	ACT	1,212	3.85
CULVERHOUSE, David	834	2.69	Progressive Coalition	1,171	3.72
PHILLIPS, Judith	577	1.86	Christian Heritage	441	1.40
BRITNELL, Michael Allan	512	1.65	Legalise Cannabis	222	0.71
POUNDER, Colin	315	1.02	Alliance	466	1.48
FERGUSON, Philip Laurence	79	0.26	Anti-Capitalist Alliance		
			NZ First	2,532	8.05
			Outdoor Rec. NZ	430	1.37
			OneNZ Party	15	0.05
			Mana Maori	8	0.03
			NMP	3	0.01
Total Valid Votes	30,951	100.00		31,472	100.00
Total Votes Cast	31,340			31,574	

1999 Election Results

DALZIEL, Lianne - Labour Party *majority* 11,162

Electorate Candidate	Party	Valid Votes	
BEECHAM, Alan	ACT New Zealand	667	2.09%
BRITNELL, Michael	Aotearoa Legalise Cannabis Party	688	2.15%
DALZIEL, Lianne	Labour Party	18157	56.80%
JONES, Warwick	Natural Law Party	80	0.25%
KNOX, John	National Party	6995	21.88%
PHILLIPS, Judith	Christian Heritage Party	761	2.38%
PIESSE, Paul Egerton	Alliance	2127	6.65%
SILVERLOCK, Margaret	New Zealand First Party	528	1.65%
STILES, Chantelle	Future New Zealand	669	2.09%
WOOD, Jacqui	Green Party	1296	4.05%

Electorate Party for Christchurch East	Valid Votes	
ACT New Zealand	1127	3.50%
Alliance	3665	11.38%
Green Party	1568	4.87%
Labour Party	15084	46.83%
National Party	7816	24.26%
New Zealand First Party	719	2.23%
United NZ	143	0.44%
Unsuccessful Parties	2090	6.49%

Statistical Profile

Population Summary

Usually Resident Population 2001 Census	59,631
Usually Resident Population 1996 Census	57,045
Increase 1996-2001	2,586
Percentage Increase 1996-2001	4.5
Percentage Increase 1996-2001, Total New Zealand	3.3

Age Groups of the Usually Resident Population

Age Group	Christchurch East			New Zealand
	Number	%	Rank*	%
under 5 yrs	4,404	7.4	37	7.2
5-14 yrs	8,913	14.9	25	15.4
15-19 yrs	3,960	6.6	20	7.1
20-29 yrs	7,281	12.2	31	13.0
30-49 yrs	18,684	31.3	47	29.8
50-64 yrs	8,883	14.9	26	15.3
65 yrs and over	7,527	12.6	37	12.1
Total	59,652	100.0		100.0
Mean Age (years)	35.3		35	35.8
	Number	%		%
Total 18 years and over	43,845	73.5		73.0
Total Males	28,734	48.2		48.8
Total Females	30,921	51.8		51.2

Ethnic Groups of the Usually Resident Population

Ethnic Group (total responses)	Christchurch East			New Zealand
	Number	%	Rank*	%
European	52,389	87.8	50	76.8
NZ Maori	5,511	9.2	29	14.1
Pacific Island	2,151	3.6	41	6.2
Asian	1,782	3.0	30	6.4
Other	189	0.3	30	0.7
Not Specified	1,653	2.8		4.0
Total**	63,675	106.7		108.2

* Rank 1 (low) to 62 (high) among general electorates. Ranks are of % in each group. Some totals may differ due to rounding. Electorates are compiled from Meshblocks, each of whose data is rounded to a multiple of 3 (to protect confidentiality).

** The sum of numbers in each ethnic group is greater than the total population because people with more than one ethnicity are counted in each group they belong to. Prepared in the Parliamentary Library from Statistics New Zealand 2001 Census data.

Birthplace of Usually Resident New Zealand Population

	Christchurch East			New Zealand
	Number	%	Rank*	%
New Zealand	49,551	83.1	41	77.4
Overseas	8,538	14.3	28	18.7
Not Specified	1,524	2.6		4.0
Total Usually Resident Population	59,613	100.0		100.0

Birthplace and Years Since Arrival in New Zealand, for Overseas Born

	Christchurch East			New Zealand
	Number	%	Rank*	%
<u>UK and Ireland</u>				
0 and under 5 Years	255	3.0	15	3.5
5 and under 10 Years	204	2.4	26	2.2
10 and under 20 Years	267	3.1	15	3.3
20 Years and over	3,117	36.3	53	22.1
Total UK and Ireland	3,963	46.2	41	32.2
<u>Pacific Islands</u>				
0 and under 5 Years	114	1.3	30	3.5
5 and under 10 Years	81	0.9	43	1.6
10 and under 20 Years	258	3.0	43	4.7
20 Years and over	348	4.1	43	5.1
Total Pacific Islands	903	10.5	40	16.9
<u>North East Asia ⁽¹⁾</u>				
0 and under 5 Years	462	5.4	41	6.3
5 and under 10 Years	246	2.9	41	3.7
10 and under 20 Years	72	0.8	28	1.5
20 Years and over	42	0.5	30	0.6
Total North East Asia	936	10.9	41	12.8
<u>Total Overseas Born</u>				
0 and under 5 Years	1,359	15.8	10	26.0
5 and under 10 Years	873	10.2	18	13.8
10 and under 20 Years	1,101	12.8	13	16.1
20 Years and over	4,758	55.5	55	38.5
Total Overseas Born	8,580	100.0		100.0

Languages spoken

	Christchurch East			New Zealand
	Number	%	Rank*	%
English Only	50,292	84.2	43	76.8
English and NZ Maori	1,155	1.9	25	3.5
NZ Maori Only	48	0.1	25	0.2
Maori, English and Other	249	0.4	20	0.6
Maori and Other	0	0.0	6	0.0
English and Other	4,275	7.2	30	10.8
Other language	504	0.8	31	1.5
No Language	1,251	2.1	41	2.0
Language Not Specified	1,926	3.2		4.6
Total	59,700	100.0		100.0

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Some totals may differ due to rounding. Electorates are compiled from Meshblocks, each of whose data is rounded to a multiple of 3 (to protect confidentiality).

(1) North East Asia includes China, Korea, Taiwan, Hong Kong, Japan.

Prepared in the Parliamentary Library from Statistics New Zealand 2001 Census data.

Highest Qualifications of the Population aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Higher Degree	711	1.5	15	3.2
Bachelor Degree	1,569	3.4	7	6.9
Advanced Vocational Qualification	2,490	5.4	3	7.2
Intermediate Vocational Qualification	927	2.0	40	1.9
Skilled Vocational Qualification	2,658	5.7	52	4.8
Basic Vocational Qualification	1,581	3.4	17	3.7
Higher School Qualification	2,163	4.7	32	5.4
Sixth Form Qualification	4,860	10.5	46	9.8
Fifth Form Qualification	6,870	14.8	43	13.5
Other NZ Secondary School Qual.	36	0.1	30	0.1
Overseas Secondary School Qual.	2,280	4.9	32	5.7
No Qualification	14,025	30.3	55	23.7
Highest Qualification Not Specified	6,147	13.3		14.1
Total	46,317	100.0		100.0

Personal Income of the Population aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Nil or loss	2,019	4.4	27	4.8
\$1 to \$5,000	3,588	7.7	20	8.3
\$5,001 to \$10,000	6,453	13.9	55	11.7
\$10,001 to \$15,000	7,593	16.4	51	13.7
\$15,001 to \$20,000	4,296	9.3	42	8.4
\$20,001 to \$25,000	3,888	8.4	55	7.2
\$25,001 to \$30,000	3,795	8.2	54	7.4
\$30,001 to \$40,000	5,217	11.3	40	10.8
\$40,001 to \$50,000	2,688	5.8	23	6.3
\$50,001 to \$70,000	1,776	3.8	6	5.7
\$70,001 to \$100,000	480	1.0	3	2.4
\$100,001 or More	261	0.6	5	2.2
Not Specified	4,284	9.2		11.1
Total	46,338	100.0		100.0
Average Personal Income	\$21,169		7	\$25,371

Income Support Received by those aged 15 years and over (total responses)

	Christchurch East			New Zealand
	Number	%	Rank*	%
ACC Regular Payments	951	2.1	56	1.5
National Superannuation	7,512	16.2	37	14.5
Other Superannuation	1,419	3.1	32	3.1
Community wage job seeker	3,171	6.8	40	6.2
Community wage sickness benefit	1,233	2.7	59	1.9
Domestic Purposes Benefit	2,145	4.6	49	3.7
Invalid's Benefit	1,572	3.4	57	2.3
Student Allowance	1,041	2.2	35	2.7
Other Government Benefits	2,067	4.5	58	3.8
Total Aged 15 years and over	46,338	100.0		100.0

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Labour Force and Employment Status of the Population aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Full-time Employed	20,694	44.7	24	46.0
Part-time Employed	6,753	14.6	42	13.8
Unemployed	2,124	4.6	28	4.8
Total Labour Force	29,568	63.8	23	64.6
Not in Labour Force	16,005	34.5	45	32.3
Labour Force Status Not Specified	753	1.6		3.1
Total Aged 15 Years and over	46,335	100.0		100.0
Paid Employee	22,824	49.3	53	44.9
Employer	1,293	2.8	11	4.5
Self-Employed, Not Employing	2,370	5.1	9	7.4
Unpaid Worker in Family Business	255	0.6	4	1.4
Employment Status Not Specified	708	1.5		1.7
Total Gainfully Employed	27,450	59.2	32	59.8

Occupations of the Gainfully Employed aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Legislators and Administrators and Managers	2,892	10.5	18	12.5
Professionals	2,583	9.4	10	13.9
Technicians and Associate Professionals	3,159	11.5	36	11.0
Clerks	3,807	13.9	40	12.5
Service and Sales Workers	4,491	16.4	55	14.0
Agriculture and Fishery Workers	534	1.9	23	8.0
Trades Workers	3,351	12.2	60	8.4
Plant and Machine Operators and Assemblers	3,063	11.2	52	8.3
Elementary Occupations	2,229	8.1	51	5.8
Not Specified	1,341	4.9		5.5
Total	27,450	100.0		100.0

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Prepared in the Parliamentary Library from Statistics New Zealand 2001 Census data.

Industries of the Gainfully Employed aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Agriculture, Forestry and Fishing	312	1.1	21	8.3
Mining	27	0.1	34	0.2
Manufacturing	5,154	18.8	58	13.0
Electricity, Gas and Water Supply	72	0.3	26	0.3
Construction	2,070	7.5	50	6.0
Wholesale Trade	1,704	6.2	39	5.8
Retail Trade	3,915	14.3	61	12.1
Accommodation, Cafes and Restaurants	1,305	4.8	41	4.7
Transport and Storage	1,182	4.3	46	3.8
Communication Services	531	1.9	50	1.3
Finance and Insurance	771	2.8	35	3.0
Property and Business Services	2,367	8.6	23	11.3
Government Administration and Defence	717	2.6	30	3.5
Education	1,536	5.6	5	7.3
Health and Community Services	2,730	9.9	53	8.1
Cultural and Recreational Services	612	2.2	34	2.4
Personal and other Services	1,095	4.0	41	3.7
Not Specified	1,338	4.9		5.3
Total	27,447	100.0		100.0

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Prepared in the Parliamentary Library from Statistics New Zealand 2001 Census data.

Family Type of Families in Private Dwellings

	Christchurch East			New Zealand
	Number	%	Rank*	%
Couple Only	5,991	37.0	20	39.0
Two Parent Family	6,735	41.6	30	42.1
One Parent Family	3,480	21.5	47	18.9
Total	16,206	100.0		100.0

Family Income

	Christchurch East			New Zealand
	Number	%	Rank*	%
Loss or Zero	66	0.4	9	0.7
1 to 5000	165	1.0	25	1.2
5001 to 10000	180	1.1	28	1.3
10001 to 15000	777	4.8	49	4.0
15001 to 20000	1,464	9.0	55	7.0
20001 to 25000	840	5.1	54	4.2
25001 to 30000	1,653	10.1	45	8.7
30001 to 40000	1,713	10.5	52	9.0
40001 to 50000	1,938	11.9	57	9.7
50001 to 70000	2,862	17.5	49	16.2
70001 to 100000	1,545	9.5	25	11.0
100001 or More	654	4.0	3	10.9
Income Not Specified	2,475	15.2		16.1
Total Families	16,332	100.0		100.0
Average Family Income	\$44,894		7	\$54,224

Social Marital Status of People Aged 15 years and over

	Christchurch East			New Zealand
	Number	%	Rank*	%
Married	21,660	46.7	31	45.2
Other partnerships	4,950	10.7	33	11.6
Total Partnerships	26,610	57.4	32	56.9
Non Partnered	17,523	37.8	43	36.7
Social Marital Not Specified	2,202	4.8		6.4
Total Aged 15 Years and over	46,335	100.0		100.0

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Household Composition of Private Dwellings

	Christchurch East			New Zealand
	Number	%	Rank *	%
One Family	15,645	69.8	42	67.6
Two Families	342	1.5	29	2.0
Three or More Families	6	0.0	15	0.1
Non-Family Household	927	4.1	33	5.2
One Person Household	5,265	23.5	34	22.9
Not Available	219	1.0		2.1
Total Households	22,404	100.0		100.0

Access to Telecommunications

	Christchurch East			New Zealand
	Number	%	Rank *	%
Access to a Telephone	21,201	94.6	48	92.3
Access to a Fax Machine	4,167	18.6	11	24.2
Access to the Internet	7,140	31.9	21	35.9
No Access to Telecommunications Systems	624	2.8	24	3.5
Access to Telecommunications Not Specified	567	2.5		4.1
Total Households	22,404	100.0		100.0

Tenure of Dwellings

	Christchurch East			New Zealand
	Number	%	Rank *	%
Owned, With or Without Mortgage	16,158	72.1	54	64.6
Not Owned	5,550	24.8	9	30.7
of which Paying Rent to Private Sector Landlord	3,138	14.0	6	18.7
of which Paying Rent to Other Landlord	1,599	7.1	41	6.4
of which Paying Rent, Landlord Sector unknown	216	1.0		1.6
Tenure Not Specified	744	3.3		4.7
Total Households	22,404	100.0		100.0

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**Business Locations and People Employed by Industry at February 2004
in the Approximate Electorate Area**

	Christchurch East Number of business locations	Number of people employed
Agriculture	127	170
Services to Agriculture; Hunting and Trapping	12	12
Forestry and Logging	16	9
Commercial Fishing	4	0
Coal Mining	0	0
Oil and Gas Extraction	0	0
Metal Ore Mining	0	0
Other Mining	1	0
Services to Mining	0	0
Food, Beverage and Tobacco	18	140
Textile, Clothing, Footwear and Leather Manufacturing	23	460
Wood and Paper Product Manufacturing	50	230
Printing, Publishing and Recorded Media	13	20
Petroleum, Coal, Chemical and Associated Product Manufacturing	23	140
Non-Metallic Mineral Product Manufacturing	10	120
Metal Product Manufacturing	70	590
Machinery and Equipment Manufacturing	76	610
Other Manufacturing	53	210
Electricity and Gas Supply	0	0
Water Supply, Sewerage and Drainage Services	0	0
General Construction	188	670
Construction Trade Services	435	680
Basic Material Wholesaling	30	140
Machinery and Motor Vehicle Wholesaling	46	130
Personal and Household Good Wholesaling	97	120
Food Retailing	142	1,040
Personal and Household Good Retailing	227	990
Motor Vehicle Retailing and Services	87	270
Accommodation, Cafes and Restaurants	87	780
Road Transport	119	170
Rail Transport	0	0
Water Transport	0	0
Air and Space Transport	1	0
Other Transport	4	3
Services to Transport	21	30
Storage	4	6
Communication Services	57	45
Finance	24	150
Insurance	4	6
Services to Finance and Insurance	22	9
Property Services	333	95
Business Services	319	480
Government Administration	6	75
Defence	0	0
Education	83	1,040
Health Services	102	860
Community Services	43	620
Motion Picture, Radio and Television Services	7	70
Libraries, Museums and the Arts	23	80
Sport and Recreation	84	250
Personal Services	103	170
Other Services	59	230
Private Households Employing Staff	0	0
Total	3,253	11,910

These data are for the approximate electorate, to the nearest census area unit.

Included: enterprises having annual GST sales of \$30,000+ or other indicator of economic significance.

Prepared in the Parliamentary Library from Statistics New Zealand Business Demographic data.

Socio-Economic Status Decile of Schools in the Electorate, July 2004

Decile	Number of Schools	Christchurch East			New Zealand	
		%	Number of Pupils	%	% of Schools	% of Pupils
1	4	20.0	578	7.4	10.4	7.6
2	4	20.0	2,054	26.3	9.5	7.8
3	2	10.0	478	6.1	9.3	8.0
4	2	10.0	642	8.2	9.6	9.5
5	2	10.0	1,443	18.5	9.6	10.4
6	3	15.0	1,013	13.0	9.5	9.3
7	1	5.0	431	5.5	9.7	10.5
8	2	10.0	1,174	15.0	8.9	8.8
9		0.0		0.0	9.7	10.2
10		0.0		0.0	9.5	13.0
Not allocated		0.0		0.0	4.3	5.0
Total	20	100.0	7,813	100.0	100.0	100.0

Average school decile (weighted by number of pupils)

4.4

5.9

Decile 10 is the highest socio-economic status.

Ethnic Group or Foreign Fee Paying Status of School Pupils in the Electorate, July 2004

	Christchurch East		New Zealand
	Number of Pupils	%	%
NZ European	5,634	72.1	59.2
NZ Maori	1,256	16.1	20.9
Pacific Peoples	433	5.5	8.5
Asian	232	3.0	7.8
Other	51	0.7	1.7
Foreign Fee Paying	207	2.6	1.9
MFAT	0	0.0	0.0
Total	7,813	100.0	100.0

Prepared in the Parliamentary Library from Ministry of Education data.

Deprivation Index for Census Area Units in the Electorate Christchurch East

Census Area Unit	Deprivation Index ¹
Marshland	2
Styx	4
Travis	4
Avondale	4
Burwood	4
South Brighton	5
Parklands	5
Dallington	5
North Beach	7
Rawhiti	8
New Brighton	8
Shirley East	8
Bromley	8
Bexley	8
East Linwood	8
Chisnall	8
Aranui	10
Avon-Heathcote Estuary	
Oceanic-Canterbury	
Region South	

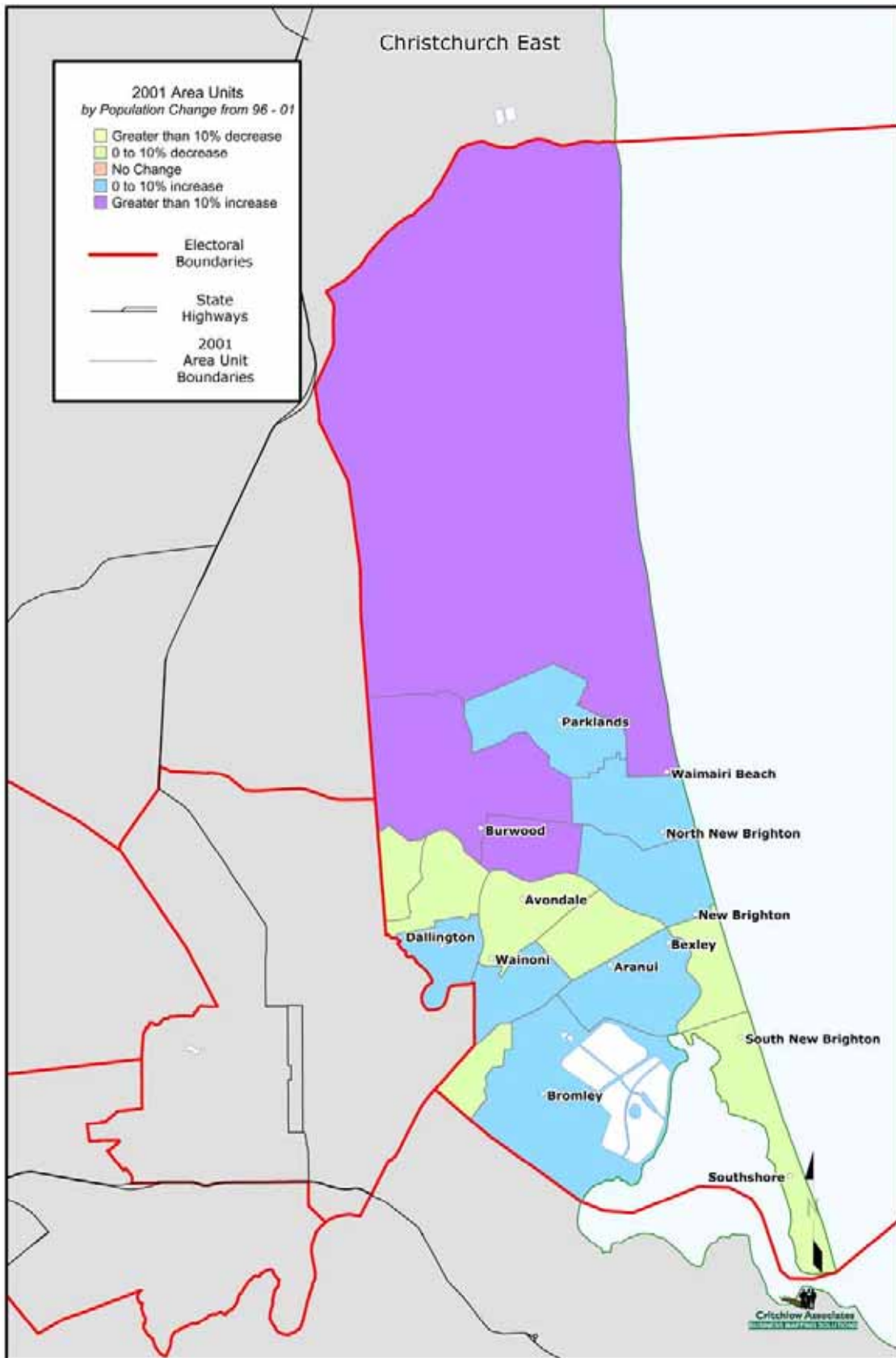
1. The Deprivation Index (a number from 1 to 10) is high for an area with a high degree of "deprivation", and is low for an affluent or less needy area. In New Zealand as a whole, small areas are evenly divided among the ten deciles. The deprivation index is calculated from such factors as proportions of people dependent on benefits, unemployed, and living in a single-parent family, and proportions of households with income below a certain threshold, with no access to a phone, and with no access to a car.

See [Degrees of Deprivation in New Zealand: An Atlas of Socioeconomic Difference 2nd Edition](#), by Crampton, Salmond and Kirkpatrick.

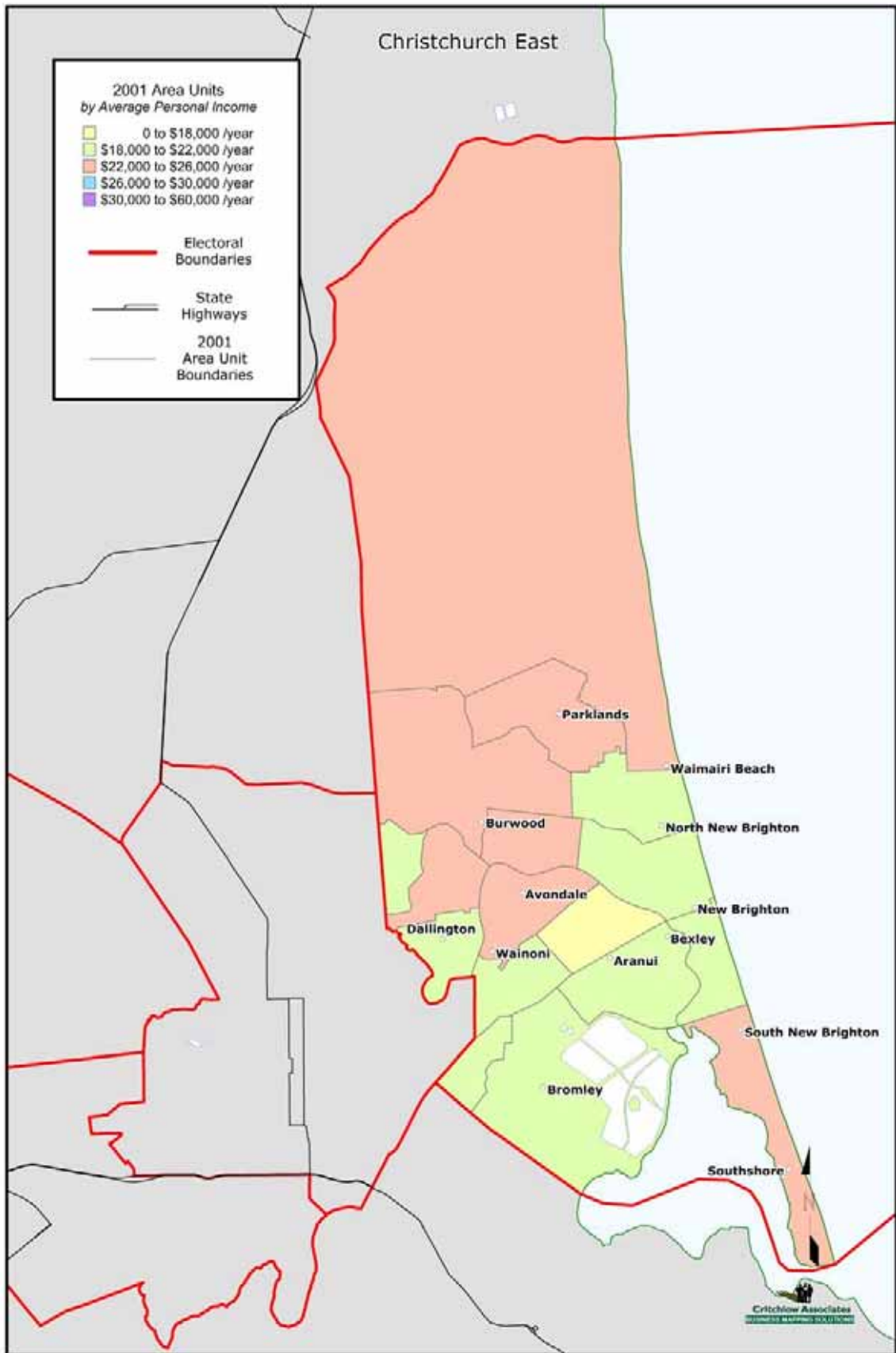
Prepared in the Parliamentary Library from Ministry of Health data.

Maps

Population Change 1996-2001



Average Personal Income 2001



Glossary

Term	Meaning
Area Unit	Area Units are aggregations of meshblocks. They are non-administrative areas intermediate between meshblocks and territorial authorities. Area units of main or secondary urban areas generally coincide with suburbs or parts thereof. Area units within urban areas normally contain 3,000-5,000 population though this can vary due to such things as industrial areas, port areas, rural areas and so on within the urban area boundaries. In rural areas, the straddling of some territorial authorities over regional boundaries has resulted in a number of area units having only 2 or 3 meshblocks and a very low population count. (Statistics New Zealand).
Average	The sum of a list of numbers, divided by the total number of numbers in the list. Also called arithmetic mean.
Census usually resident population	Population as calculated on census night, the latest census figures being as at March 2001. The census usually resident population count is all people counted in New Zealand on census night excluding overseas visitors and New Zealand residents temporarily overseas. At a sub-national level, the census usually resident population count refers to people who usually reside in a given subject area. The census usually resident population count is obtained by relocating people who are normally resident in an area of New Zealand, but who were enumerated elsewhere in New Zealand on census night, back to the meshblock of their usual address. For example, if a person usually lives in Christchurch but was in Wellington on census night, they will be included in the census usually resident population count for Christchurch and the census night population count for Wellington.
General electoral population	Total ordinarily resident population as shown in the census of population and dwellings, with the exception of the Maori electoral population.
Income	Includes income from all sources, including not only wages and salaries, but also other sources such as benefits, interest payments etc.
Maori electoral population	A figure representing both the persons registered as electors of the Maori electoral districts and a proportion of the persons of New Zealand Maori descent under the age of 18 years. The proportion is determined by dividing the total number of persons registered as electors of Maori electoral districts by the number of persons of New Zealand Maori descent registered.
Mean	The sum of a list of numbers, divided by the total number of numbers in the list. Also called arithmetic mean or average.
Median	Median is the "middle value" of a list. The smallest number such that at least half the numbers in the list are no greater than it. If the list has an odd number of entries, the median is the middle entry in the list after sorting the list into increasing order. If the list has an even number of entries, the median is equal to the sum of the two middle (after sorting) numbers divided by two.
Meshblock	The meshblock is the smallest geographic area used by Statistics New

Zealand in the collection and/or processing of data. The meshblock is thus the building block for aggregation into larger areas such as area units and urban areas.

Over time, the division of meshblocks and changes in population patterns have resulted in meshblock population counts having a considerable range. There are meshblocks with nil population and some with over 500 population. There are over 38,000 meshblocks across New Zealand. (Statistics New Zealand).

Quotas

The Electoral Act 1993 provides that the South Island has 16 General electoral districts. The General electoral population of the South Island is divided by 16 to give the South Island quota. The North Island General electoral population is then divided by the South Island quota to give the number of North Island General electoral districts. The North Island General electoral population is divided by the number of North Island General electorates to give the North Island quota. For the 2002 election, the South Island quota is 54,308 and the North Island quota is 54,288.

In a similar way, the Maori electoral population is divided by the South Island quota and rounded to give the number of Maori electoral districts. The Maori electoral quota is the Maori electoral population divided by the number of Maori electoral districts. For the 2002 election, the Maori quota is 53,130. For both General and Maori electoral districts the Commission may allow the electoral population to vary from quota by up to plus or minus 5%.

Total responses

Several census variables allow people to provide more than one response to the question. When a person has reported more than one response they will be counted in each group they reported. In output tables this is presented as 'total responses', for example, ethnic group (total responses). This means that the total population will be greater than the usual subject population for that variable, as individuals may be counted more than once.

Variables that may be output on the basis of total responses are:

- ethnic group
- language spoken
- iwi
- religious affiliation
- sources of personal income
- job search methods
- unpaid activities
- sources of family income
- sources of extended family income
- sources of household income
- fuel type used to heat dwellings
- access to telecommunication systems.

Multiple responses may also be reported as a combination of response categories. For example, for outputs of ethnic group, categories may include European/Maori, Maori/Pacific peoples, etc.

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