

2015 Economic Profile of Central Otago District

Note: This document presents the same tables and graphs as were in the 2014 economic profile of the District and the Region. The table and graph numbers shown in the document correspond with the table and graph numbers in the accompanying Excel workbook.

April 2016

www.berl.co.nz



MAKING SENSE OF
THE NUMBERS

Author(s): Mark Cox and Hugh Dixon

All work is done, and services rendered at the request of, and for the purposes of the client only. Neither BERL nor any of its employees accepts any responsibility on any grounds whatsoever, including negligence, to any other person.

While every effort is made by BERL to ensure that the information, opinions and forecasts provided to the client are accurate and reliable, BERL shall not be liable for any adverse consequences of the client's decisions made in reliance of any report provided by BERL, nor shall BERL be held to have given or implied any warranty as to whether any report provided by BERL will assist in the performance of the client's functions.

©BERL

Reference No: #5436

April 2016



MAKING SENSE OF
THE NUMBERS

Contents

ii

Contents

1	Central Otago District.....	1
1.1	Overview of the Central Otago economy	1
1.2	Fastest growing industries in Central Otago	2
1.3	Key sectors in Central Otago	2
2	Otago Region	13
2.1	Economic performance	13
2.2	Longer term economic performance.....	13
2.3	Employment – Otago Region	14
2.4	GDP – Otago Region	20
2.5	Labour productivity – Otago Region	24
2.6	Business Units and size – Otago Region	25
2.7	Location Quotients – Otago Region.....	27
2.8	Key sectors	28
2.9	Primary production sector	32
3	Technical appendices	39
3.1	Sector composition	39
3.2	Key indicators: sector share by territorial authority, 2015.....	40
3.3	Detailed tables – Central Otago District	41
3.4	Detailed Tables – Otago Region	45
3.5	Detailed tables – New Zealand.....	49

Tables

Table 1-1 Employment, GDP and business units in Central Otago, 2015.....	1
Table 1-2 Key performance indicators, Central Otago District, 2015.....	1
Table 1-3 Key performance indicators, Central Otago District, 2005-2015.....	1
Table 1-4 Top 10 fastest growing industries, Central Otago, 2005-2015.....	2
Table 1-5 Horticulture and fruit growing industries, Central Otago District, 2005-2015.....	2
Table 1-6 Wine industry statistics, Central Otago District, 2005-2015	3
Table 1-7 Tourism KPIs, Central Otago, 2015	4
Table 1-8 Tourism employment, Central Otago, 2005-2015	4
Table 1-9 Tourism GDP, Central Otago, 2005-2015	4
Table 1-10 Tourism Business Units, Central Otago, 2005-2015	4
Table 1-11 Primary production employment, Central Otago, 2005-2015	6
Table 1-12 Primary production GDP, Central Otago, 2005-2015	6
Table 1-13 Primary production business units, Central Otago, 2005-2015	6
Table 1-14 Primary processing employment, Central Otago, 2005-2015.....	7
Table 1-15 Primary processing GDP, Central Otago, 2005-2015.....	7
Table 1-16 Primary processing business units, Central Otago, 2005-2015.....	7
Table 1-17 Creative sector employment, Central Otago, 2005-2015	8
Table 1-18 Creative sector GDP, Central Otago, 2005-2015	8
Table 1-19 Creative sector business units, Central Otago, 2005-2015	8
Table 1-20 Education and research employment, Central Otago, 2005-2015	10
Table 1-21 Education and research GDP, Central Otago, 2005-2015	10
Table 1-22 Education and research business units, Central Otago, 2005-2015	10
Table 1-23 Engineering, Machinery and Equipment employment, Central Otago, 2005-2015	12
Table 1-24 Engineering, Machinery and Equipment GDP, Central Otago, 2005-2015.....	12
Table 1-25 Engineering, Machinery and Equipment Business units, Central Otago, 2005-2015	12
Table 2-1 Key performance indicators, Otago Region and New Zealand, 2015	13
Table 2-2 Key performance indicators, Otago Region and New Zealand, 2005-2015.....	13
Table 2-3 FTE summary, Otago Region, 2005 - 2015	14
Table 2-4 Ten largest employment industries, Otago Region, 2015	16
Table 2-5 GDP summary, Otago Region, 2005-2015.....	20
Table 2-6 Ten largest industries by GDP, Otago Region, 2015	21
Table 2-7 Labour productivity summary, Otago Region, 2005 – 2015.....	24
Table 2-8 Business units summary, Otago Region, 2005 - 2015.....	25
Table 2-9 Business size summary, Otago Region, 2005 – 2015.....	26
Table 2-10 Ten industries with the highest FTE location quotients, Otago Region, 2015	27



Table 2-11 Ten industries with the lowest FTE location quotients, Otago Region, 2015.....	27
Table 2-12 Key sectors, Employment summary, Otago Region, 2005 – 2015	28
Table 2-13 Key sectors, GDP summary, Otago Region, 2005 - 2015	29
Table 2-14 , Business Units summary, Otago Region, 2005 - 2015	30
Table 2-15 Tourism Key Indicators, Otago Region, 2015	30
Table 2-16 Tourism Employment, Otago Region, 2005 - 2015.....	31
Table 2-17 Tourism GDP, Otago Region, 2005 - 2015.....	31
Table 2-18 Tourism Business Units, Otago Region, 2005 - 2015	31
Table 2-19 Primary Production sector Employment, Otago Region, 2005 - 2015.....	32
Table 2-20 Primary Production sector GDP, Otago Region, 2005 - 2015.....	32
Table 2-21 Primary Production sector Business Units, Otago Region, 2005 - 2015	33
Table 2-22 Primary Processing sector Employment, Otago Region, 2005 - 2015	33
Table 2-23 Primary Processing sector GDP, Otago Region, 2005 - 2015	34
Table 2-24 Primary Processing sector Business Units, Otago Region, 2005 - 2015.....	34
Table 2-25 Creative sector Employment, Otago Region, 2005 - 2015	35
Table 2-26 Creative sector GDP, Otago Region, 2005 - 2015	35
Table 2-27 Creative sector Business Units, Otago Region, 2005 - 2015	35
Table 2-28 Education & Research sector Employment, Otago Region, and 2005 - 2015	36
Table 2-29 Education and Research sector GDP, Otago Region, 2005 - 2015.....	36
Table 2-30 Education and Research sector Business Units, Otago Region, 2005 - 2015	36
Table 2-31 Engineering, Machinery & Equipment Manufacturing Employment, Otago Region, 2005 - 2015	37
Table 2-32 Engineering, Machinery and Equipment Manufacturing GDP, Otago Region, 2005 - 2015.....	37
Table 2-33 Engineering, Machinery & Equipment Manufacturing Business Units, Otago Region, 2005 - 2015 ..	37
Table 2-34 ICT Employment, Otago Region, 2005 - 2015	38
Table 2-35 ICT GDP, Otago Region, 2005 - 2015	38
Table 2-36 ICT Business Units, Otago Region, 2005 - 2015	38
Table 3-1 The six key sectors of the Otago Region economy	39
Table 3-2 FTEs by sector and TA, 2015	40
Table 3-3 GDP by sector and TA, 2015.....	40
Table 3-4 Business units by sector and TA, 2015.....	40

Figures

Figure 1-1 Land in grapes and grape production.....	3
Figure 1-2 Tourism sector key performance indicator growth, Central Otago vs New Zealand, 2005-2015	5
Figure 1-3 Primary production sector KPI growth, Central Otago vs New Zealand, 2005-2015.....	6



Figure 1-4 Primary processing sector KPI growth, Central Otago vs New Zealand, 2005-2015	7
Figure 1-5 Creative sector KPI growth, Central Otago vs New Zealand, 2005-2015	9
Figure 1-6 Education and research KPI growth, Central Otago vs New Zealand, 2005-2015	11
Figure 1-7 Engineering, Machinery and Equipment KPI growth, Central Otago vs New Zealand, 2005-2015	12
Figure 2-1 Otago Region and New Zealand GDP growth trend, 2005 to 2015	14
Figure 2-2 Key sector employment, Otago Region, 2015	15
Figure 2-3 Employment change by sector, Otago Region, 2015	15
Figure 2-4 Employment growth, Otago Region and New Zealand, 2005 to 2015	16
Figure 2-5 Employment trend by sector, Otago Region, 2005 - 2015.....	17
Figure 2-6 Employment trend in the Business Services sector, Otago Region, 2005 - 2015	17
Figure 2-7 Employment trend in the Manufacturing sector, Otago Region, 2005 - 2015	18
Figure 2-8 Employment trend in the Retail trade and services sector, Otago Region, 2005 - 2015	18
Figure 2-9 Employment trend in the Construction sector, Otago Region, 2005 - 2015.....	19
Figure 2-10 Employment trend in the Primary sector, Otago Region, 2005 - 2015	19
Figure 2-11 GDP growth by sector, Otago Region, 2015	20
Figure 2-12 GDP growth by sector, Otago Region, 2005-2015.....	21
Figure 2-13 Business Services sector GDP, Otago Region, 2005-2015.....	22
Figure 2-14 GDP growth in the Manufacturing sector, Otago Region, 2005-2015	22
Figure 2-15 GDP growth in the Retail Trade and Services sector, Otago Region, 2005-2015	23
Figure 2-16 GDP in the Construction sector, Otago Region, 2005-2015	23
Figure 2-17 GDP in the Primary sector, Otago Region, 2005-2015	24
Figure 2-18 Change in labour productivity, Otago Region, 2015 and 2005-2015	25
Figure 2-19 Change in the number of business units, Otago Region, 2015 and 2005-2015	26
Figure 2-20 Employment by local authority by key sectors, 2015.....	28
Figure 2-21 Percent employment by sector by local authority, 2015	29
Figure 2-22 Key sector indicator growth, Otago Region vs. New Zealand, 2005 - 2015	30
Figure 2-23 Tourism-characteristic industries growth, Otago Region vs. New Zealand, 2005 – 2015.....	31
Figure 2-24 Primary Production sector key indicator growth, Otago Region vs. New Zealand, 2005 – 2015	33
Figure 2-25 Primary Processing sector key indicator growth, Otago Region vs. New Zealand, 2005 – 2015.....	34
Figure 2-26 Creative sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015.....	35
Figure 2-27 Education and Research sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015	36
Figure 2-28 Engineering, Machinery & Equipment Manufacturing, Otago vs. New Zealand, 2005 - 2015	37
Figure 2-29 ICT sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015	38

1 Central Otago District

1.1 Overview of the Central Otago economy

Table 1-1 Employment, GDP and business units in Central Otago, 2015

Sectors (2015)	FTEs	%	GDP (2015\$m)	%	Business units	%
Primary	3,738	32.5%	376	33.5%	975	28.0%
Manufacturing	745	6.5%	92	8.2%	124	3.6%
Construction	1,476	12.8%	134	11.9%	372	10.7%
Wholesale and Distribution	785	6.8%	100	8.9%	194	5.6%
Retail Trade and Services	1,671	14.5%	100	8.9%	465	13.3%
Business Services	1,607	14.0%	191	17.0%	1,111	31.9%
Arts and Recreation Services	137	1.2%	14	1.3%	88	2.5%
Social Services	1,339	11.6%	116	10.3%	156	4.5%
Sub-total (excluding O.O.D.)	11,497	100.0%	1,123	100.0%	3,485	100.0%
Owner-Occupied Dwellings (O.O.D.)*			120			
Total	11,497		1,243		3,485	

* Imputed value, included in Total GDP only

Source: BERL Regional Database, 2015

Table 1-2 Key performance indicators, Central Otago District, 2015

Key Performance Indicators	%pa for 2015 year		
	Central Otago District	Otago Region	New Zealand
Resident population growth	1.9	1.6	1.9
GDP growth	8.4	3.9	3.2
GDP per capita growth	6.4	2.3	1.2
Employment growth	7.7	3.2	2.3
Labour productivity growth	1.3	1.2	1.2
Business units growth	2.7	2.7	2.7
Business size growth	4.9	0.4	-0.5

Source: BERL Regional Database, 2015

Table 1-3 Key performance indicators, Central Otago District, 2005-2015

Key Performance Indicators	%pa for 2005-2015		
	Central Otago District	Otago Region	New Zealand
Resident population growth	1.4	0.8	1.0
GDP growth	3.1	1.5	1.9
GDP per capita growth	1.7	0.6	0.9
Employment growth	2.6	1.1	1.3
Labour productivity growth	0.6	0.4	0.6
Business units growth	1.9	1.7	1.2
Business size growth	0.7	-0.6	0.0

Source: BERL Regional Database, 2015



1.2 Fastest growing industries in Central Otago

Table 1-4 Top 10 fastest growing industries, Central Otago, 2005-2015

Rank by FTE growth	Industry	Employment (FTEs)		
		2005	2015	%pa growth
1	Administrative Services	150	789	18.1
2	Fabricated Metal Product Manufacturing	29	115	14.7
3	Non-Metallic Mineral Product Manufacturing	39	100	9.9
4	Sport and Recreation Activities	49	118	9.2
5	Basic Material Wholesaling	56	114	7.3
6	Agriculture Forestry and Fishing Support Services	506	1005	7.1
7	Beverage and Tobacco Product Manufacturing	121	236	6.9
8	Road Transport	219	335	4.4
9	Preschool and School Education	284	426	4.1
10	Food and Beverage Services	251	376	4.1

Note: Admin services includes labour supply services

Source: BERL Regional Database, 2015

1.3 Key sectors in Central Otago

1.3.1 Horticulture and fruit growing

Table 1-5 Horticulture and fruit growing industries, Central Otago District, 2005-2015

	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Employment (FTEs)						
Grape Growing	149	316	345	291	-15.6	6.9
Kiwifruit Growing	0	0	0	0	n/a	n/a
Berry Fruit Growing	5	3	3	2	-33.8	-10.6
Apple and Pear Growing	430	74	86	94	9.3	-14.1
Stone Fruit Growing	1,141	1,449	1,415	1,722	21.7	4.2
Citrus Fruit Growing	0	0	0	0	n/a	n/a
Olive Growing	0	0	0	0	n/a	n/a
Other Fruit and Tree Nut Growing	35	0	0	0	n/a	-100.0
Total employment : Horticulture and fruit growing	1,761	1,841	1,848	2,109	14.1	1.8
GDP (2015\$m)						
Grape Growing	15	34	36	31	-12.9	7.6
Kiwifruit Growing	0	0	0	0	n/a	n/a
Berry Fruit Growing	1	0	0	0	-31.7	-10.1
Apple and Pear Growing	44	8	9	10	12.7	-13.6
Stone Fruit Growing	116	154	148	186	25.5	4.8
Citrus Fruit Growing	0	0	0	0	n/a	n/a
Olive Growing	0	0	0	0	n/a	n/a
Other Fruit and Tree Nut Growing	4	0	0	0	n/a	-100.0
Total GDP : Horticulture and fruit growing	178	196	193	227	17.7	2.4
Number of business units						
Grape Growing	109	106	107	99	-7.5	-1.0
Kiwifruit Growing	0	0	0	0	n/a	n/a
Berry Fruit Growing	2	4	4	6	50.0	11.6
Apple and Pear Growing	51	20	21	21	0.0	-8.5
Stone Fruit Growing	95	98	98	90	-8.2	-0.5
Citrus Fruit Growing	0	0	0	0	n/a	n/a
Olive Growing	2	5	5	3	-40.0	4.1
Other Fruit and Tree Nut Growing	19	13	14	12	-14.3	-4.5
Total business units: Horticulture and fruit growing	278	246	249	231	-7.2	-1.8

Source: BERL Regional Database, 2015



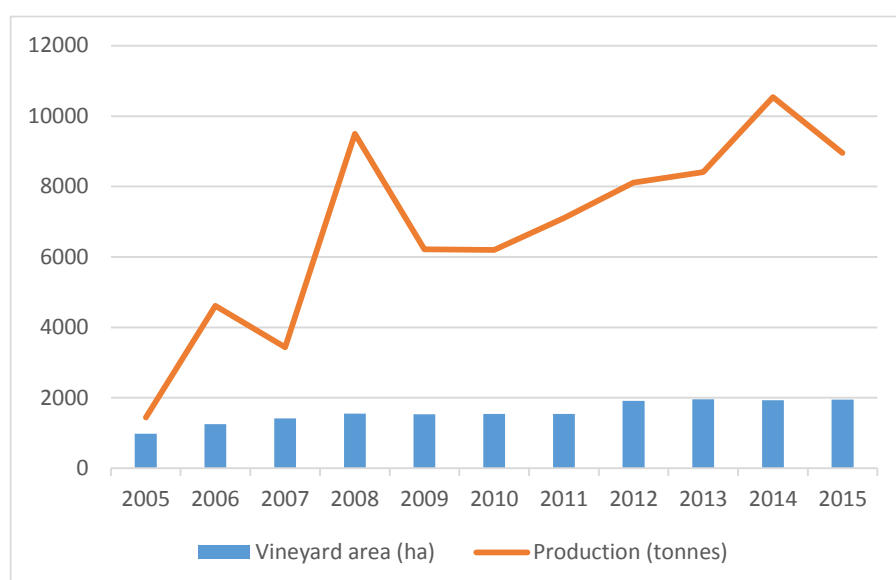
1.3.2 Viticulture

Table 1-6 Wine industry statistics, Central Otago District, 2005-2015

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Producing Vineyard Area (ha)											
Central Otago	978	1253	1415	1552	1532	1540	1540	1917	1959	1932	1951
New Zealand	21,002	22,616	25,355	29,310	31,964	33,200	34,500	35,337	35,182	35,511	35,859
Production (tonnes)											
Central Otago	1,441	4,612	3,434	9,495	6,218	6,196	7,104	8,115	8,407	10,540	8,951
New Zealand	142,000	185,000	205,000	285,000	285,000	266,000	328,000	269,000	345,000	445,000	326,000
Wineries											
Central Otago	82	82	89	95	103	111	115	120	124	132	127
New Zealand	516	530	543	585	643	672	697	703	698	699	673
Growers											
Central Otago	17	50	63	75	77	35	35	33	32	32	n/a
New Zealand	818	866	1003	1060	1117	853	821	835	858	762	n/a

Source: New Zealand Winegrowers Annual Report 2015

Figure 1-1 Land in grapes and grape production



Source: New Zealand Winegrowers Annual Report 2015

1.3.3 Tourism sector

Table 1-7 Tourism KPIs, Central Otago, 2015

Role of tourism in local economy	Employment (FTEs)	% of total	GDP (\$2015m)	% of total	Number of Business Units	% of total
Tourism-characteristic industries	307	2.7%	19	1.6%	113	3.2%
Tourism-related industries	100	0.9%	7	0.5%	20	0.6%
All non-tourism-related industries	111	1.0%	13	1.0%	33	0.9%
Central Otago	517	4.5%	39	3.1%	165	4.7%
New Zealand	104,886	5.3%	8,886	3.7%	21,328	4.0%

Source: BERL Regional Database 2015

Table 1-8 Tourism employment, Central Otago, 2005-2015

Tourism Employment (FTEs)	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Tourism-characteristic industries	256	302	305	307	0.4	1.8
Tourism-related industries	102	93	100	100	-0.6	-0.2
All non-tourism-related industries	89	104	104	111	6.8	2.2
Tourism Sector	448	499	510	517	1.5	1.5
Total Employment: Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database 2015

Table 1-9 Tourism GDP, Central Otago, 2005-2015

Tourism GDP (2015\$m)	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Tourism-characteristic industries	17	18	18	19	6.8	1.3
Tourism-related industries	5	6	6	7	5.3	3.8
All non-tourism-related industries	10	12	12	13	6.5	2.2
Tourism Sector	32	36	37	39	6.4	2.0
Total GDP: Central Otago	917	1,127	1,146	1,243	8.4	3.1

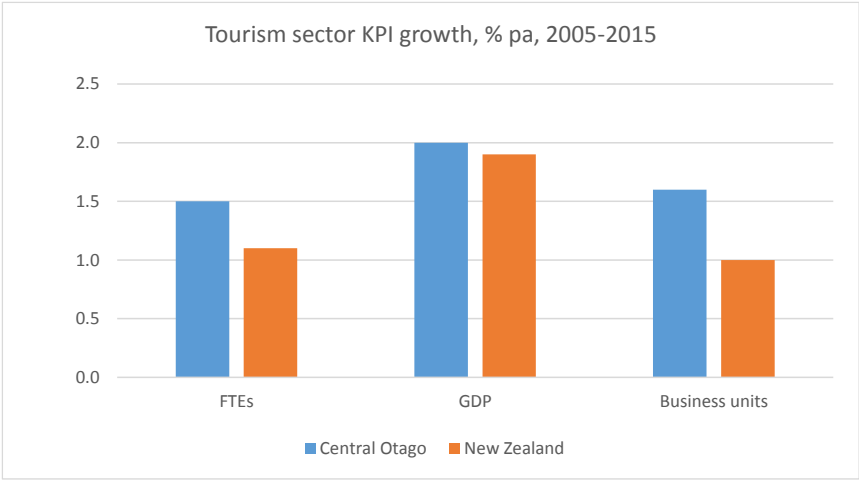
Source: BERL Regional Database 2015

Table 1-10 Tourism Business Units, Central Otago, 2005-2015

Number of Business units	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Tourism-characteristic industries	94	109	107	113	5.2	1.9
Tourism-related industries	19	20	19	20	2.2	0.6
All non-tourism-related industries	29	33	33	33	0.0	1.5
Tourism Sector	141	162	159	165	3.8	1.6
Total business units: Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database 2015

Figure 1-2 Tourism sector key performance indicator growth, Central Otago vs New Zealand, 2005-2015



Source: BERL Regional Database, 2015

1.3.4 Primary production sector

Table 1-11 Primary production employment, Central Otago, 2005-2015

Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Agriculture	2,248	2,467	2,416	2,673	10.6	1.7
Aquaculture	0	0	0	0	-	-
Services to agriculture; Hunting & trapping	508	790	809	1,018	25.9	7.2
Forestry and Logging	14	15	15	18	17.6	2.2
Mining and services to mining	6	89	27	29	7.6	16.5
Primary production sector	2,777	3,362	3,267	3,738	14.4	3.0
Total employment, Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database, 2015

Table 1-12 Primary production GDP, Central Otago, 2005-2015

GDP (2015\$m)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Agriculture	228	263	253	288	1.4	2.4
Aquaculture	0	0	0	0	-	-
Services to agriculture; Hunting & trapping	41	56	55	76	3.8	6.4
Forestry and Logging	4	5	5	7	2.3	5.4
Mining and services to mining	2	14	5	6	2.0	11.6
Primary production sector	275	338	318	376	1.8	3.2
Total GDP, Central Otago	917	1,127	1,146	1,243	8.4	3.1

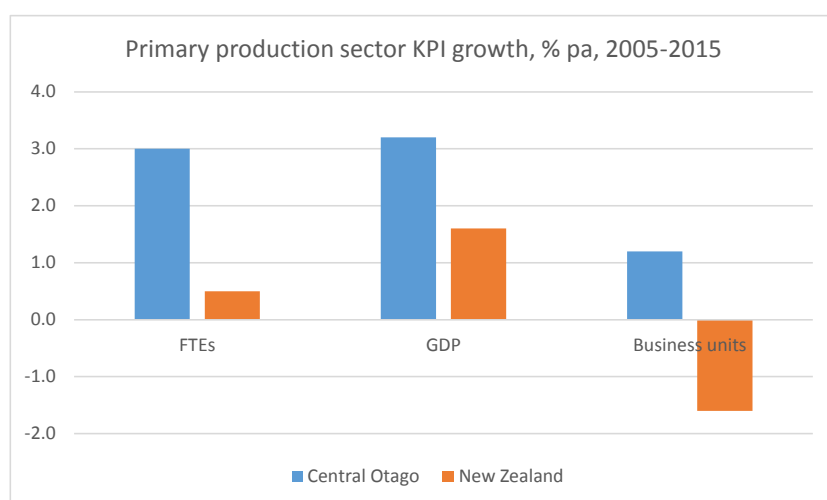
Source: BERL Regional Database, 2015

Table 1-13 Primary production business units, Central Otago, 2005-2015

Number of business units	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Agriculture	1,125	803	803	823	2.5	-3.1
Aquaculture	10	0	0	0	-	-
Services to agriculture; Hunting & trapping	103	115	114	117	2.6	1.3
Forestry and Logging	32	24	22	21	-4.5	-4.1
Mining and services to mining	6	14	12	14	16.7	8.8
Primary production sector	1,125	956	951	975	2.5	-1.4
Total business units, Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database, 2015

Figure 1-3 Primary production sector KPI growth, Central Otago vs New Zealand, 2005-2015



Source: BERL Regional Database, 2015

1.3.5 Primary processing sector

Table 1-14 Primary processing employment, Central Otago, 2005-2015

Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Food , beverage & tobacco	233	327	349	330	-5.4	3.6
Wood & paper product manufacturing	84	93	89	98	9.3	1.5
Primary processing sector	317	420	438	428	-2.4	3.0
Total employment, Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database, 2015

Table 1-15 Primary processing GDP, Central Otago, 2005-2015

GDP (2015\$m)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Food , beverage & tobacco	27	39	42	39	-6.6	3.7
Wood & paper product manufacturing	8	11	10	11	11.4	3.3
Primary processing sector	35	50	52	51	-1.9	3.8
Total GDP, Central Otago	917	1,127	1,146	1,243	8.4	3.1

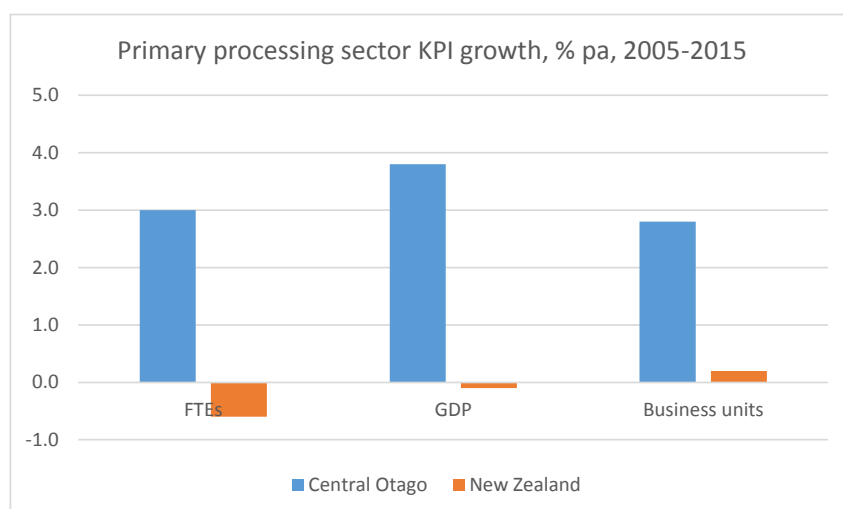
Source: BERL Regional Database, 2015

Table 1-16 Primary processing business units, Central Otago, 2005-2015

Number of business units	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Food , beverage & tobacco	29	48	46	46	0.0	4.7
Wood & paper product manufacturing	18	17	18	16	-11.1	-1.2
Primary processing sector	47	65	64	62	-3.1	2.8
Total business units, Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database, 2015

Figure 1-4 Primary processing sector KPI growth, Central Otago vs New Zealand, 2005-2015



Source: BERL Regional Database, 2015

1.3.6 Creative sector

Table 1-17 Creative sector employment, Central Otago, 2005-2015

Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Printing & publishing	16	43	57	60	4.1	13.9
Arts & antiques markets	-	-	-	-	0.0	0.0
Commercial services	11	9	12	17	46.4	4.5
Film, video & television services	20	3	3	2	-32.8	-21.4
Music, creative & performing arts & venues	2	11	8	8	-0.7	13.3
Creative sector	50	66	80	87	8.5	5.7
Total employment, Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database, 2015

Table 1-18 Creative sector GDP, Central Otago, 2005-2015

GDP (2015\$m)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Printing & publishing	1	2	2	2	7.0	14.4
Arts & antiques markets	-	-	-	-	0.0	0.0
Commercial services	1	1	1	2	46.6	4.0
Film, video & television services	3	0	0	0	-31.1	-22.7
Music, creative & performing arts & venues	0	1	1	1	5.7	19.8
Creative sector	5	4	5	5	15.6	1.5
Total GDP, Central Otago	917	1,127	1,146	1,243	8.4	3.1

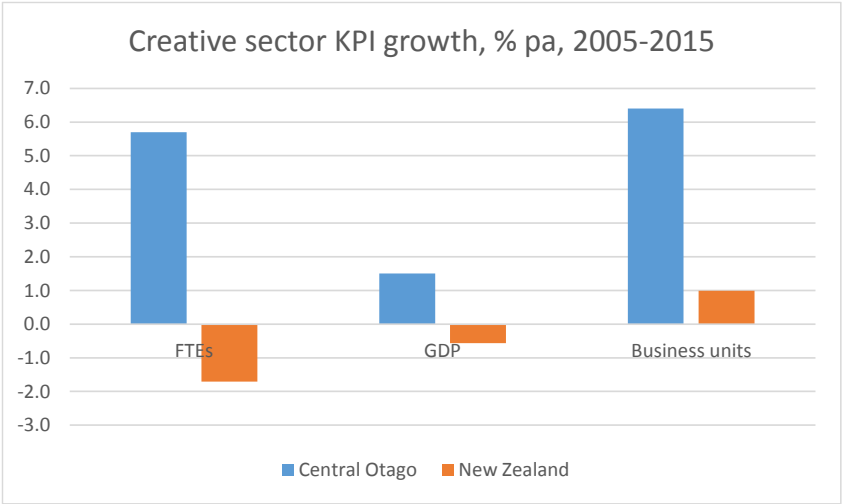
Source: BERL Regional Database, 2015

Table 1-19 Creative sector business units, Central Otago, 2005-2015

Number of business units	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Printing & publishing	4	10	7	13	85.7	12.5
Arts & antiques markets	2	6	5	6	0.0	0.0
Commercial services	10	25	27	24	-11.1	9.1
Film, video & television services	6	4	4	1	-75.0	-16.4
Music, creative & performing arts & venues	13	17	18	21	16.7	4.9
Creative sector	35	62	61	65	6.6	6.4
Total business units, Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database, 2015

Figure 1-5 Creative sector KPI growth, Central Otago vs New Zealand, 2005-2015



1.3.7 Education and research

Table 1-20 Education and research employment, Central Otago, 2005-2015

Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Preschool education	24	105	96	96	0.5	14.9
Primary and Secondary Education	260	310	313	330	0.0	0.0
Higher Education	32	28	28	30	10.3	-0.5
Other Education	29	30	32	32	-1.8	0.8
Scientific Research	49	42	50	50	-0.5	0.1
Education and research sector	395	516	519	538	3.7	3.1
Total employment, Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database, 2015

Table 1-21 Education and research GDP, Central Otago, 2005-2015

GDP (2015\$m)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Preschool education	2	8	7	7	-4.1	13.0
Primary and Secondary Education	23	24	24	24	0.0	0.0
Higher Education	3	2	2	2	5.3	-2.2
Other Education	3	2	2	2	-6.3	-0.9
Scientific Research	6	5	6	6	-0.4	-0.3
Education and research sector	36	41	42	42	-0.7	1.5
Total GDP, Central Otago	917	1,127	1,146	1,243	8.4	3.1

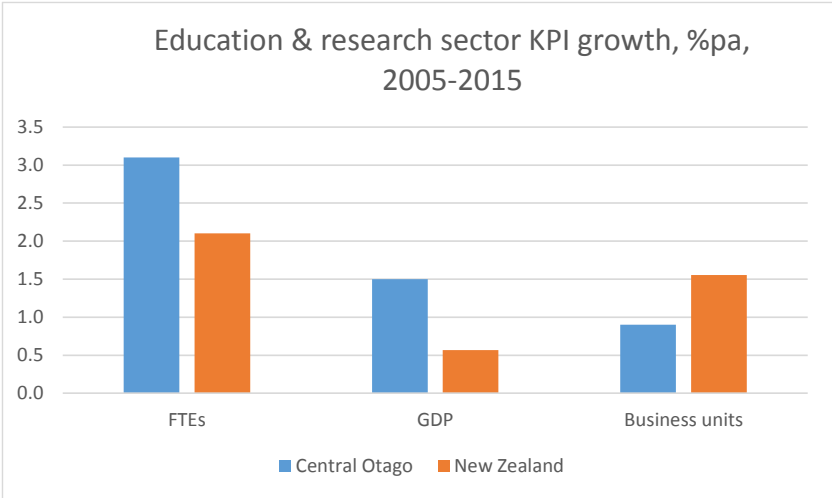
Source: BERL Regional Database, 2015

Table 1-22 Education and research business units, Central Otago, 2005-2015

Number of Business units	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Preschool education	10	17	17	21	23.5	7.7
Primary and Secondary Education	18	16	16	17	0.0	0.0
Higher Education	2	5	4	3	-25.0	4.1
Other Education	9	10	12	6	-50.0	-4.0
Scientific Research	15	12	13	12	-7.7	-2.2
Education and research sector	54	60	62	59	-4.8	0.9
Total Business units, Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database, 2015

Figure 1-6 Education and research KPI growth, Central Otago vs New Zealand, 2005-2015



1.3.8 Engineering, Machinery and Equipment manufacturing

Table 1-23 Engineering, Machinery and Equipment employment, Central Otago, 2005-2015

Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Machinery and Equipment Manufacturing	36	32	38	40	5.2	1.2
Consultant engineering Services	23	29	34	43	25.5	6.4
Engineering, Machinery & Equipment etc	59	60	72	83	14.7	3.5
Total employment, Central Otago	8,889	10,420	10,673	11,497	7.7	2.6

Source: BERL Regional Database, 2015

Table 1-24 Engineering, Machinery and Equipment GDP, Central Otago, 2005-2015

GDP (2015\$m)	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Machinery and Equipment Manufacturing	4	4	5	5	8.6	1.5
Consultant engineering Services	3	3	4	5	25.6	6.0
Engineering, Machinery & Equipment etc	7	7	9	10	16.1	3.4
Total GDP, Central Otago	917	1,127	1,146	1,243	8.4	3.1

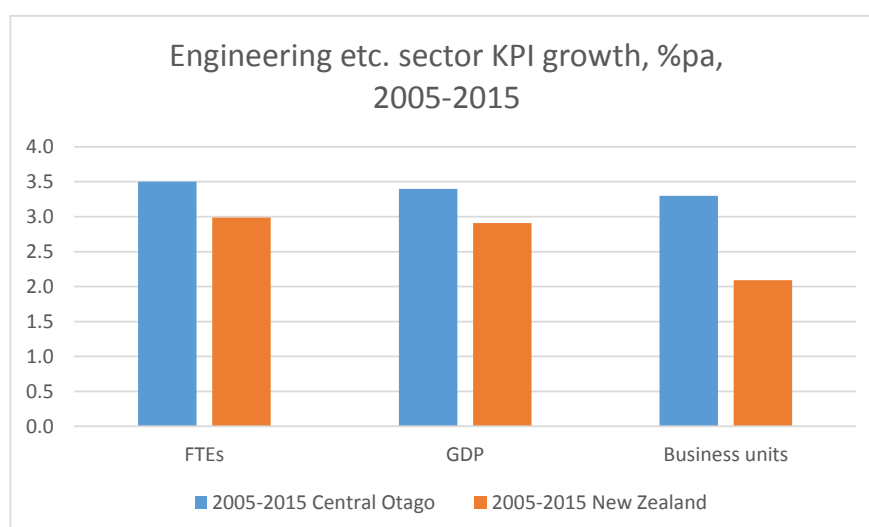
Source: BERL Regional Database, 2015

Table 1-25 Engineering, Machinery and Equipment Business units, Central Otago, 2005-2015

Number of Business units	2005	2013	2014	2015	% pa change	
					2014-2015	2005-2015
Machinery and Equipment Manufacturing	17	14	18	17	-5.6	0.0
Consultant engineering Services	17	30	31	30	-3.2	5.8
Engineering, Machinery & Equipment etc	34	44	49	47	-4.1	3.3
Total Business units, Central Otago	2,889	3,340	3,392	3,485	2.7	1.9

Source: BERL Regional Database, 2015

Figure 1-7 Engineering, Machinery and Equipment KPI growth, Central Otago vs New Zealand, 2005-2015



2 Otago Region

2.1 Economic performance

Table 2-1 Key performance indicators, Otago Region and New Zealand, 2015

Key Performance Indicators	%pa for 2015 year	
	Otago	New Zealand
Resident population growth	1.6	1.9
GDP growth	3.9	3.2
GDP per capita growth	2.3	1.2
Employment growth	3.2	2.3
Labour productivity growth	1.2	1.2
Business units growth	2.7	2.7
Business size growth	0.4	-0.5

Source: BERL Regional Database, 2015

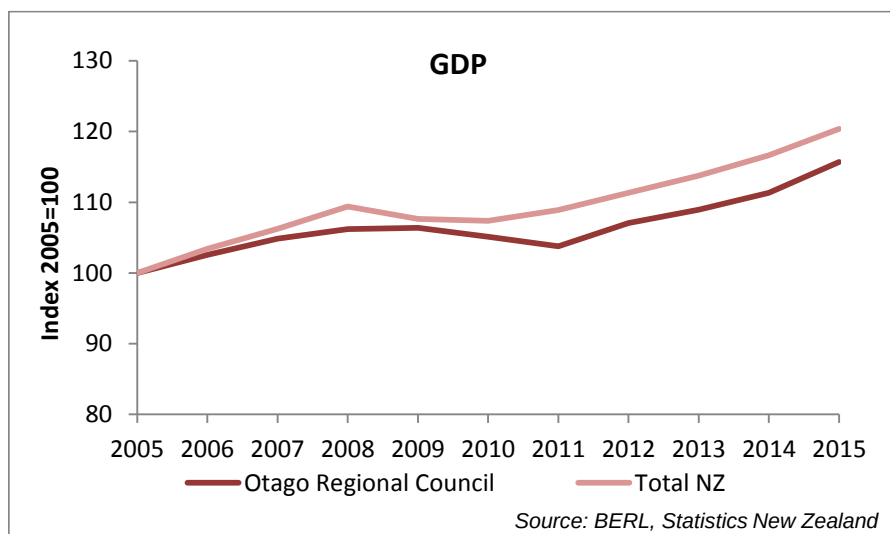
2.2 Longer term economic performance

Table 2-2 Key performance indicators, Otago Region and New Zealand, 2005-2015

Key Performance Indicators	%pa for 2005 - 2015	
	Otago	New Zealand
Resident population growth	0.8	1.0
GDP growth	1.5	1.9
GDP per capita growth	0.6	0.9
Employment growth	1.1	1.3
Labour productivity growth	0.4	0.6
Business units growth	1.7	1.2
Business size growth	-0.6	0.0

Source: BERL Regional Database, 2015

Figure 2-1 Otago Region and New Zealand GDP growth trend, 2005 to 2015



2.3 Employment – Otago Region

2.3.1 Employment trends

Table 2-3 FTE summary, Otago Region, 2005 - 2015

Sector	Employment Number FTEs				%pa change		
	2005	2013	2014	2015	2014	2015	2005 to 2015
Primary	9,462	11,060	10,328	10,814	-6.6	4.7	1.3
Manufacturing	11,714	8,831	8,833	8,614	0.0	-2.5	-3.0
Construction	8,689	8,674	9,652	10,923	11.3	13.2	2.3
Wholesale and Distribution	6,104	6,804	6,995	7,088	2.8	1.3	1.5
Retail Trade and Services	20,906	21,047	22,232	22,359	5.6	0.6	0.7
Business Services	12,342	13,269	13,657	13,679	2.9	0.2	1.0
Arts and Recreation Services	1,879	2,197	2,334	2,586	6.3	10.8	3.2
Social Services	18,639	22,665	22,567	23,581	-0.4	4.5	2.4
Otago Regional Council	89,735	94,546	96,599	99,644	2.2	3.2	1.1
New Zealand	1,741,850	1,883,050	1,932,950	1,976,617	2.6	2.3	1.3

Source: BERL Regional Database, 2015

Figure 2-2 Key sector employment, Otago Region, 2015

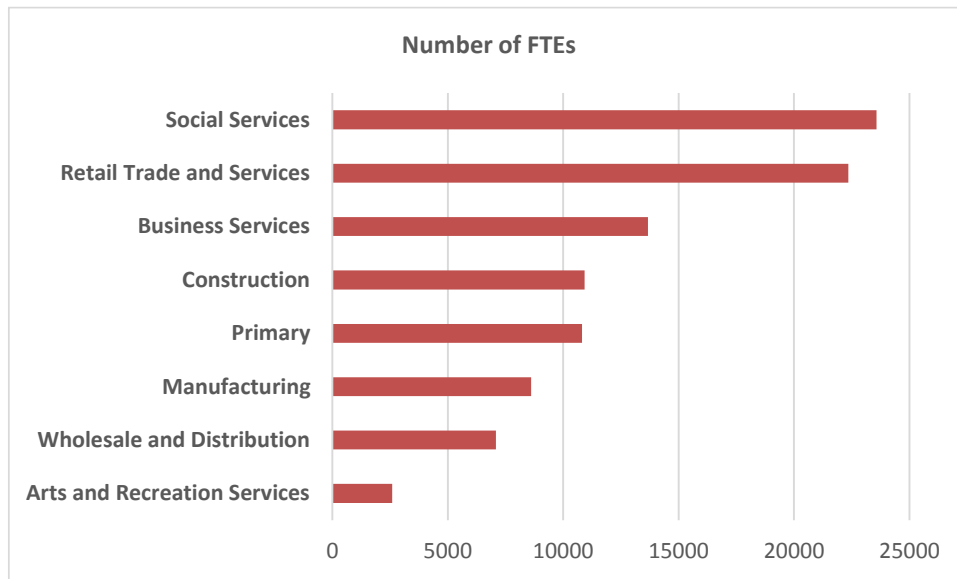


Figure 2-3 Employment change by sector, Otago Region, 2015

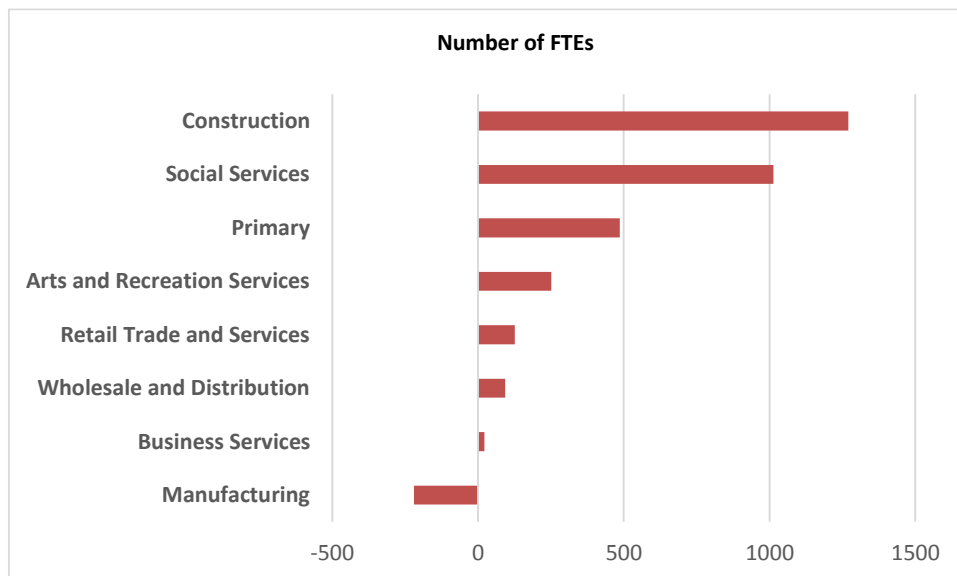


Table 2-4 Ten largest employment industries, Otago Region, 2015

Rank by FTE size	Industry	Employment (FTEs)	
		2015	% of total
1	Agriculture	7,860	7.9
2	Food and Beverage Services	5,632	5.7
3	Construction Services	5,408	5.4
4	Other Store-Based Retailing	4,819	4.8
5	Tertiary Education	4,422	4.4
6	Professional Scientific and Technical Services (exc Comp Sys Dsn & related)	4,419	4.4
7	Preschool and School Education	4,306	4.3
8	Accommodation	4,081	4.1
9	Food Product Manufacturing	4,056	4.1
10	Hospitals	3,985	4.0

Source: BERL, Statistics NZ

2.3.2 10-year horizon employment performance

Figure 2-4 Employment growth, Otago Region and New Zealand, 2005 to 2015

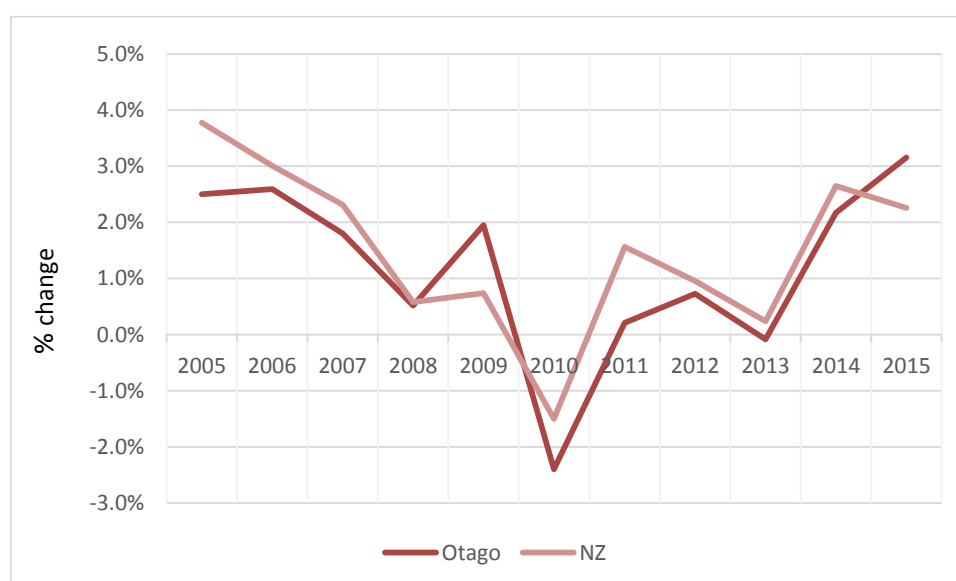
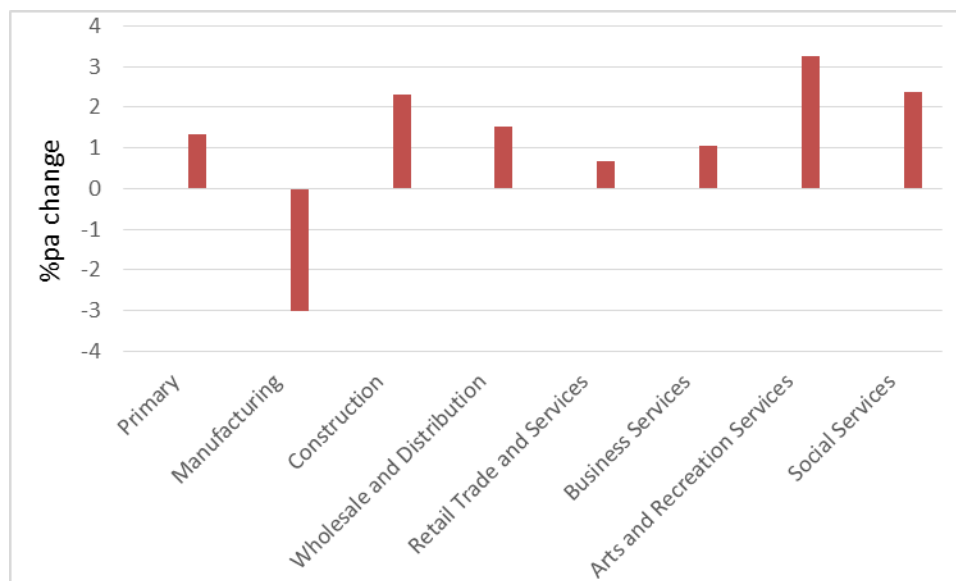
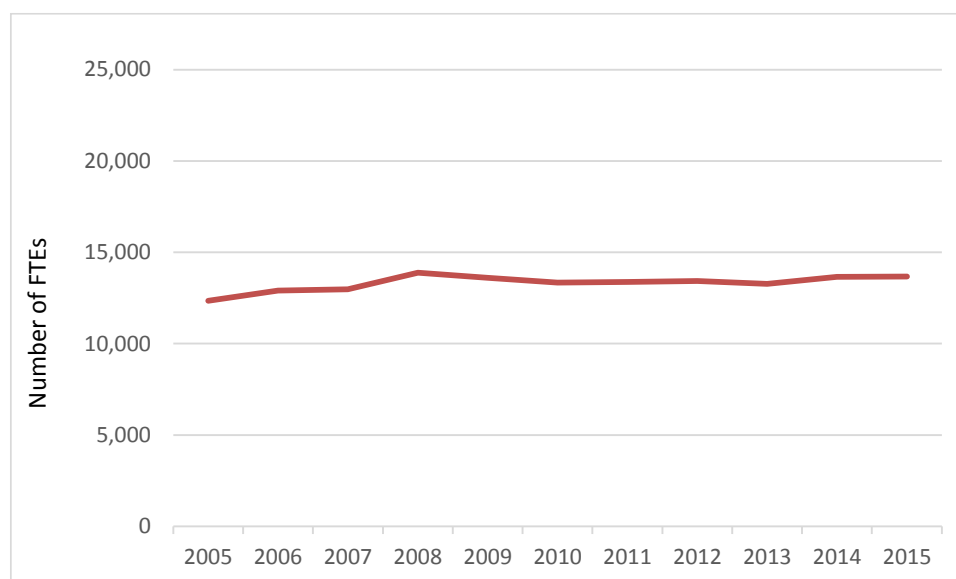


Figure 2-5 Employment trend by sector, Otago Region, 2005 - 2015



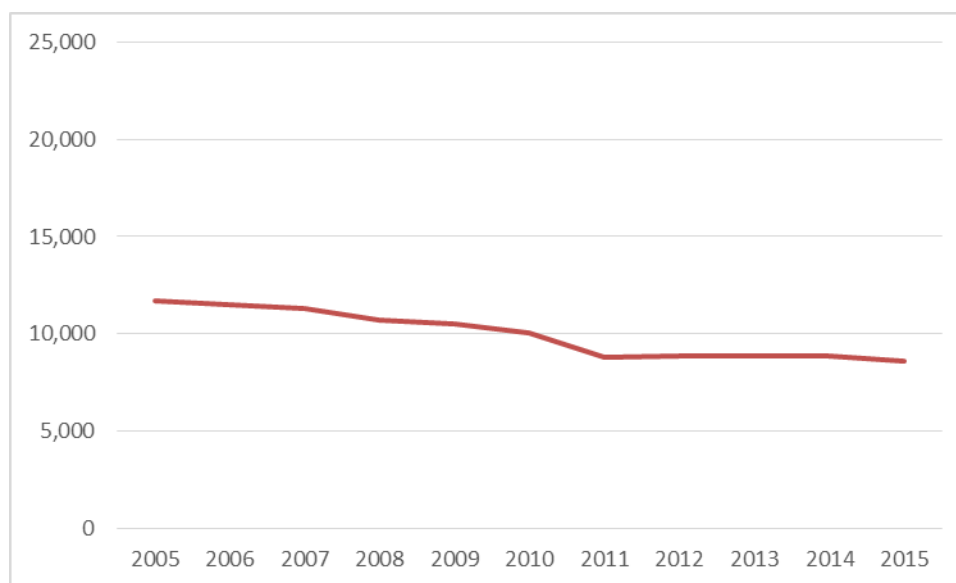
Business Services sector

Figure 2-6 Employment trend in the Business Services sector, Otago Region, 2005 - 2015



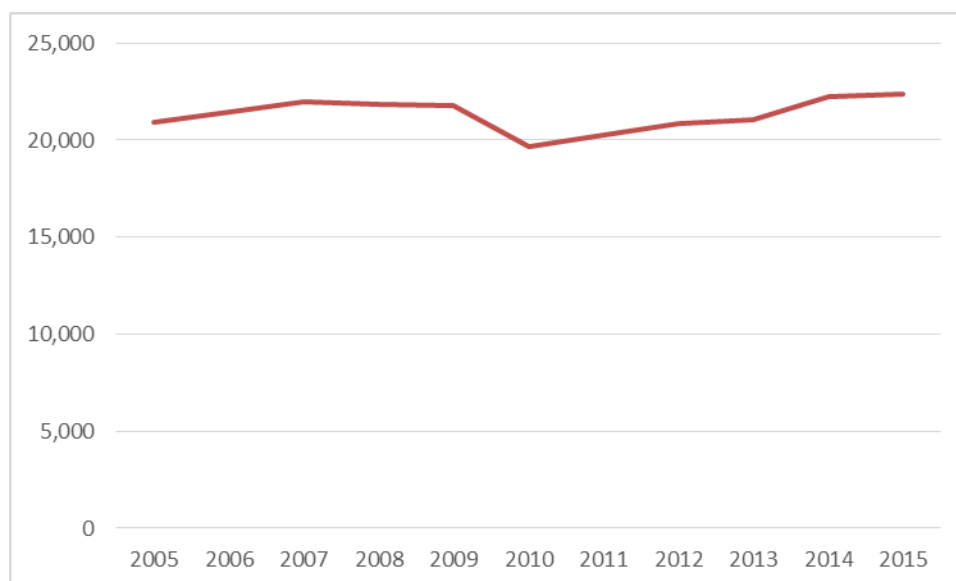
Manufacturing sector

Figure 2-7 Employment trend in the Manufacturing sector, Otago Region, 2005 - 2015



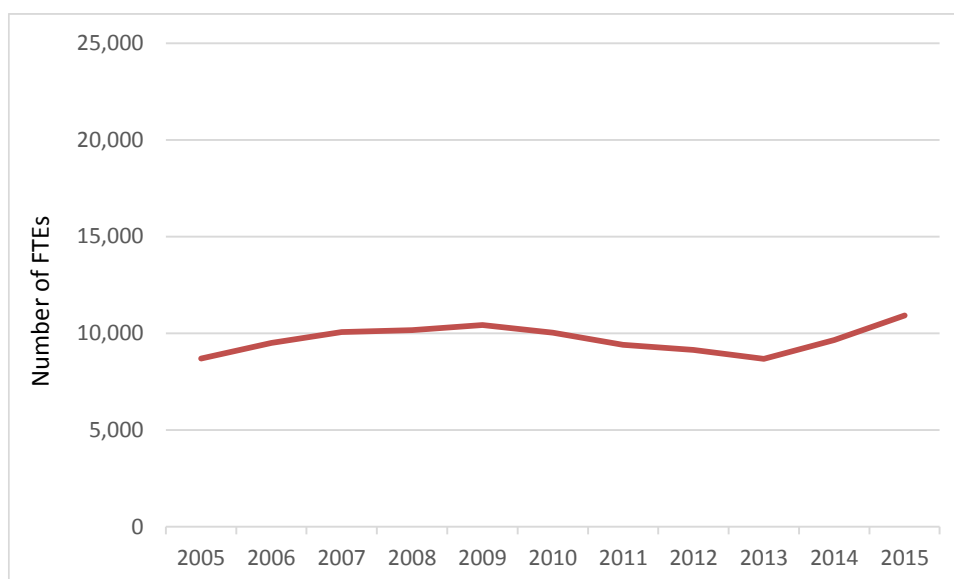
Retail trade and services sector

Figure 2-8 Employment trend in the Retail trade and services sector, Otago Region, 2005 - 2015



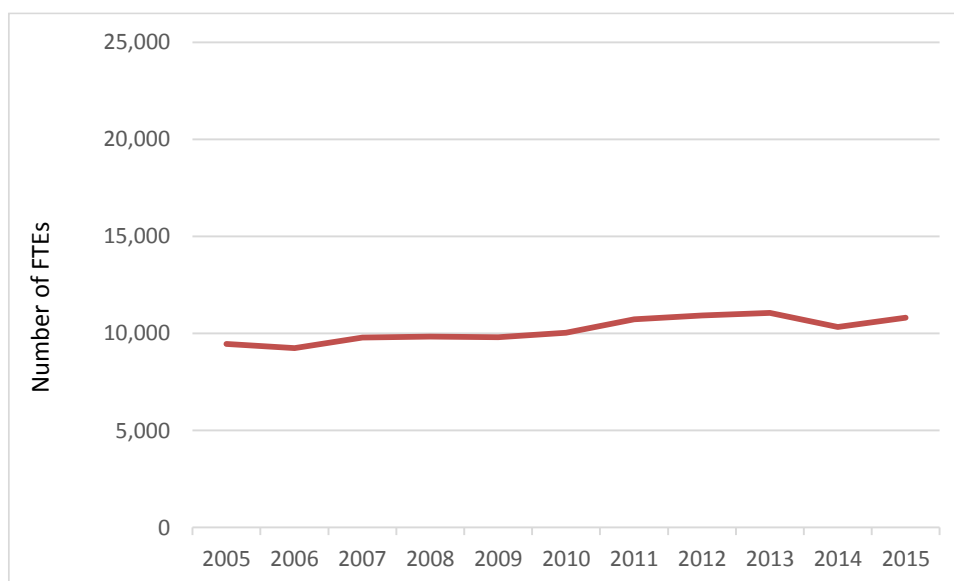
Construction sector

Figure 2-9 Employment trend in the Construction sector, Otago Region, 2005 - 2015



Primary sector

Figure 2-10 Employment trend in the Primary sector, Otago Region, 2005 - 2015



2.4 GDP – Otago Region

2.4.1 2015 economic performance

Table 2-5 GDP summary, Otago Region, 2005-2015

Sector	Value Added or GDP (2015\$m)				%pa change		
	2005	2013	2014	2015	2014	2015	2005 to 2015
Primary	1,053	1,198	1,111	1,211	-7.2	9.0	1.4
Manufacturing	1,342	1,062	1,066	1,046	0.3	-1.9	-2.5
Construction	706	776	891	990	14.8	11.1	3.4
Wholesale and Distribution	726	865	878	901	1.4	2.7	2.2
Retail Trade and Services	1,005	1,183	1,230	1,305	4.0	6.1	2.7
Business Services	1,616	1,807	1,877	1,897	3.9	1.1	1.6
Arts and Recreation Services	213	200	223	250	11.5	11.9	1.6
Social Services	1,622	1,885	1,914	1,989	1.5	3.9	2.1
<i>Owner-Occupied Dwellings (O.O.D)</i>	1,175	1,328	1,340	1,355	0.9	1.1	1.4
Otago Regional Council	9,457	10,305	10,530	10,943	2.2	3.9	1.5
New Zealand	200,316	227,879	233,665	241,187	2.5	3.2	1.9

Source: BERL Regional Database, 2015

Figure 2-11 GDP growth by sector, Otago Region, 2015

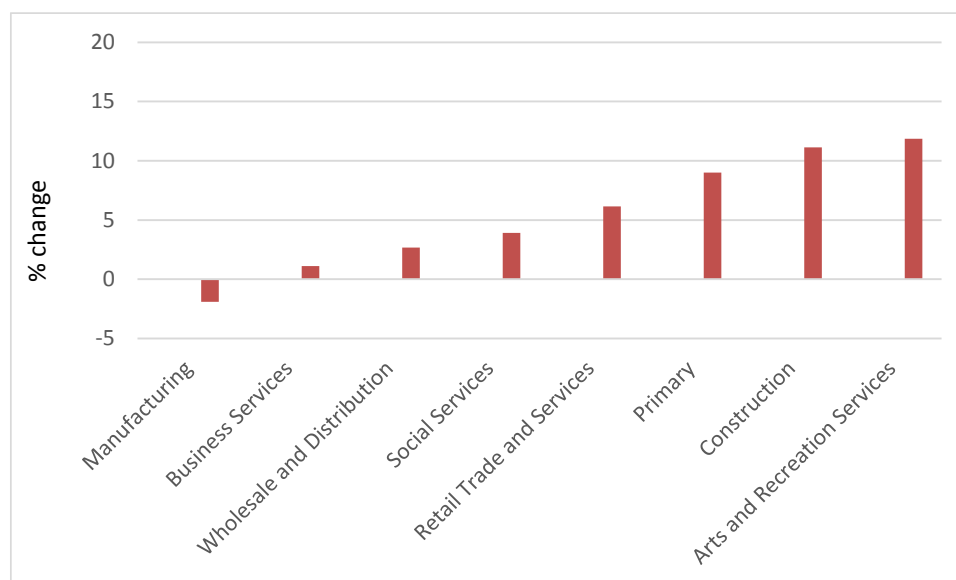


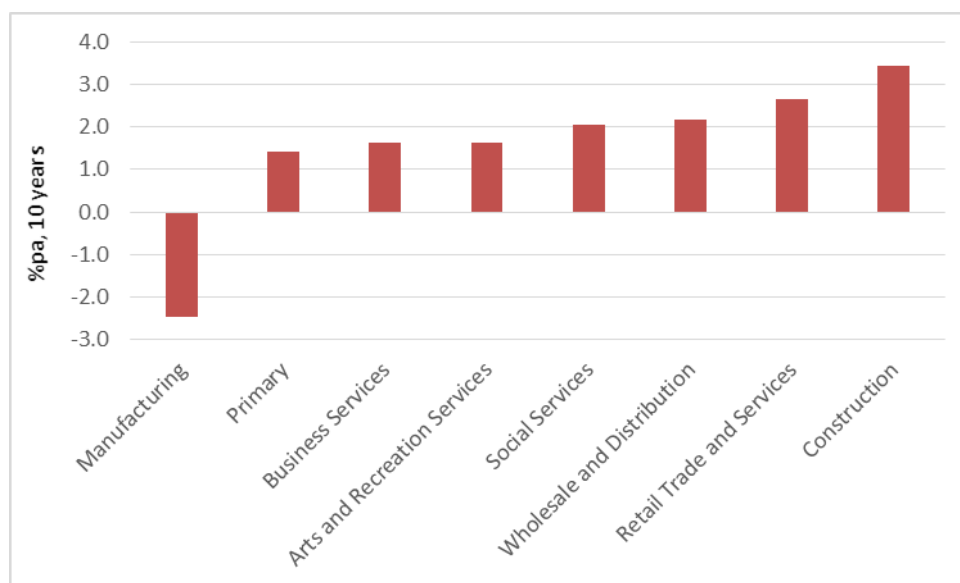
Table 2-6 Ten largest industries by GDP, Otago Region, 2015

Rank by GDP size	Industry	GDP (2015\$m)	
		2015	% of total
1	Agriculture	847	7.7
2	Professional Scientific and Technical Services (exc Comp Sys Dsn & related)	494	4.5
3	Construction Services	490	4.5
4	Food Product Manufacturing	482	4.4
5	Hospitals	391	3.6
6	Tertiary Education	326	3.0
7	Other Store-Based Retailing	325	3.0
8	Preschool and School Education	318	2.9
9	Food and Beverage Services	287	2.6
10	Building Construction	267	2.4

Source: BERL, Statistics NZ

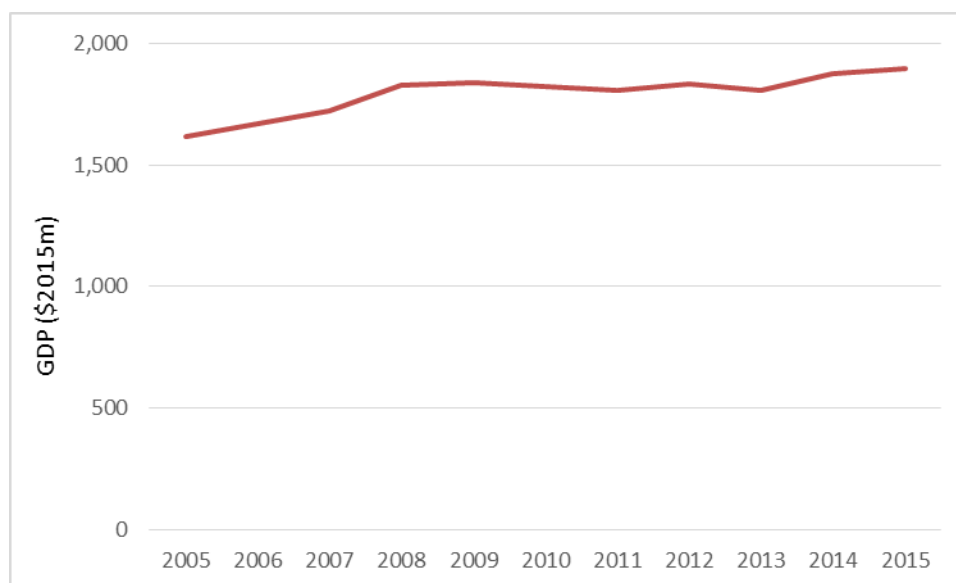
2.4.2 10-year horizon economic performance

Figure 2-12 GDP growth by sector, Otago Region, 2005-2015



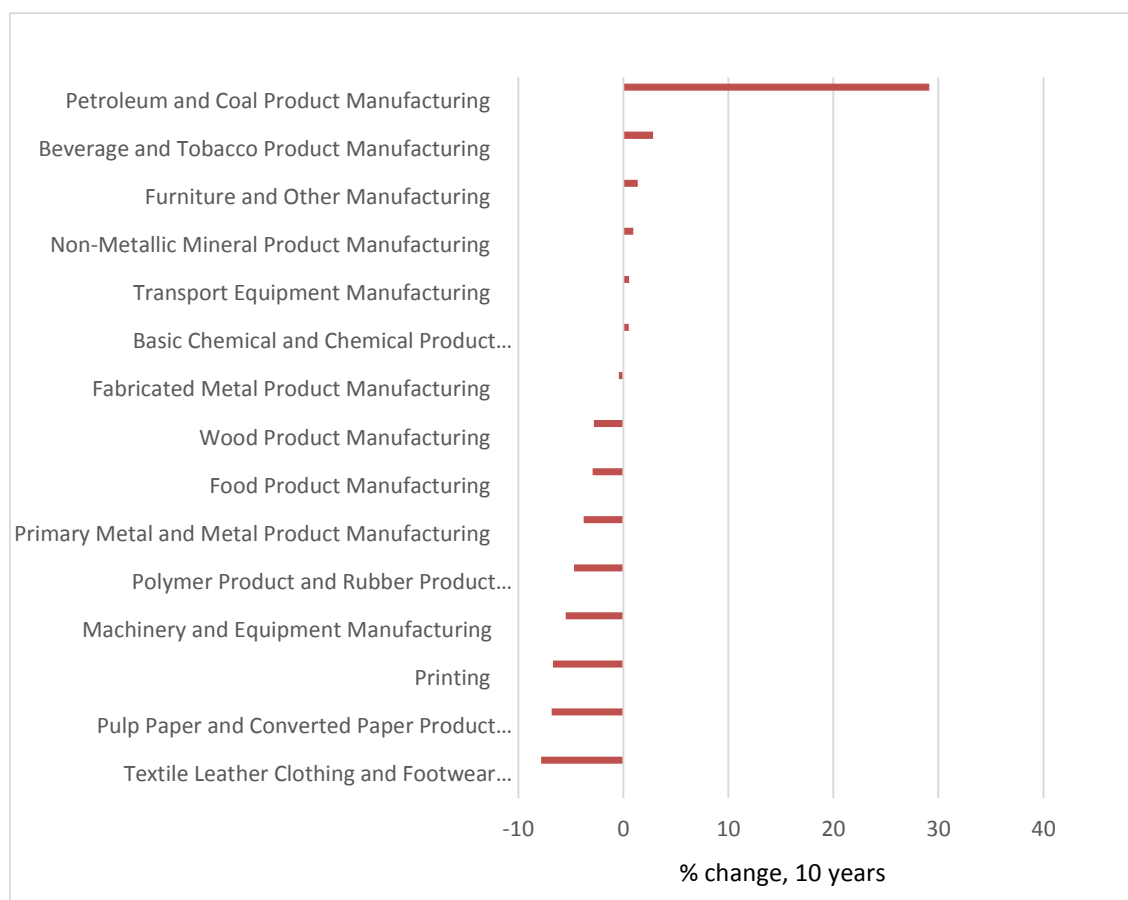
Business Services sector

Figure 2-13 Business Services sector GDP, Otago Region, 2005-2015



Manufacturing sector

Figure 2-14 GDP growth in the Manufacturing sector, Otago Region, 2005-2015



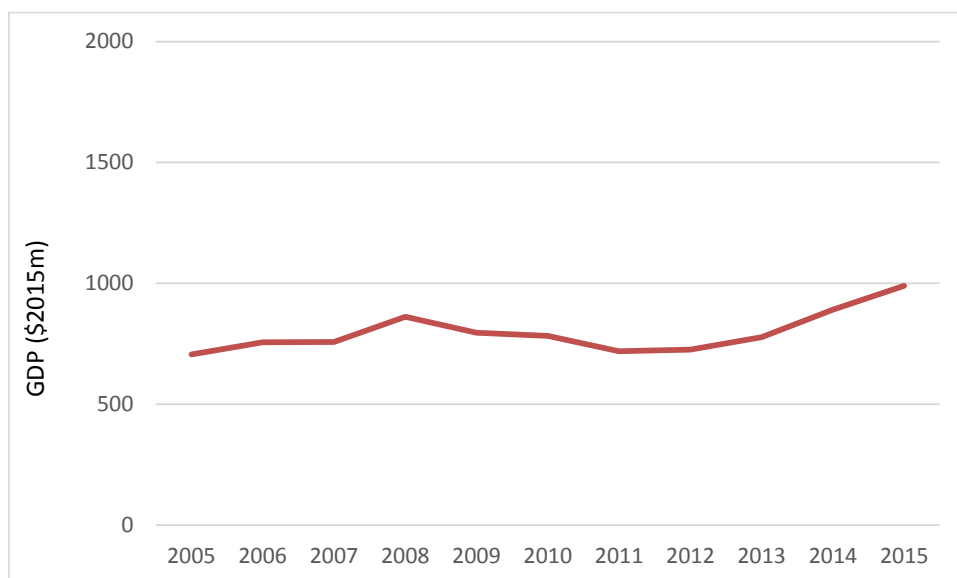
Retail trade and services sector

Figure 2-15 GDP growth in the Retail Trade and Services sector, Otago Region, 2005-2015



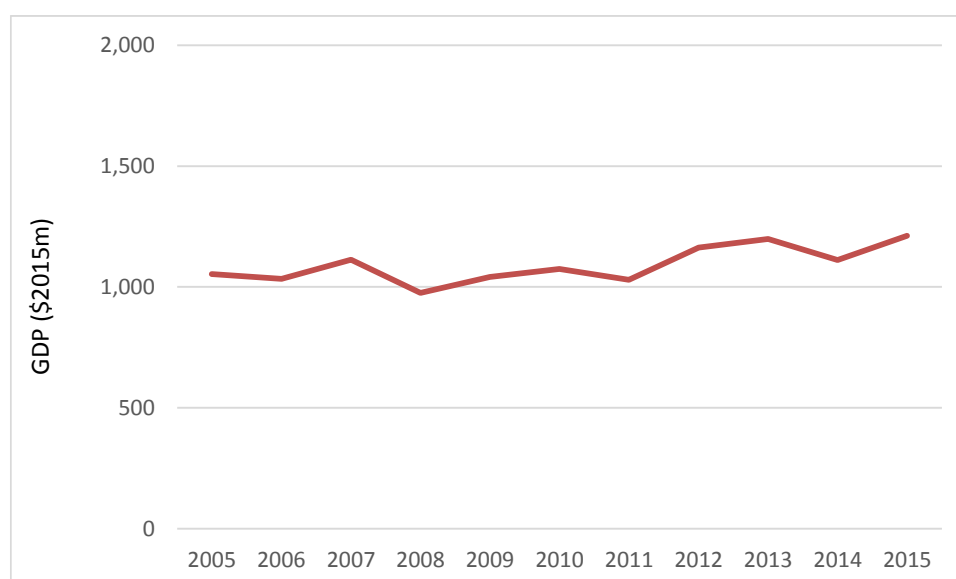
Construction sector

Figure 2-16 GDP in the Construction sector, Otago Region, 2005-2015



Primary sector

Figure 2-17 GDP in the Primary sector, Otago Region, 2005-2015



2.5 Labour productivity – Otago Region

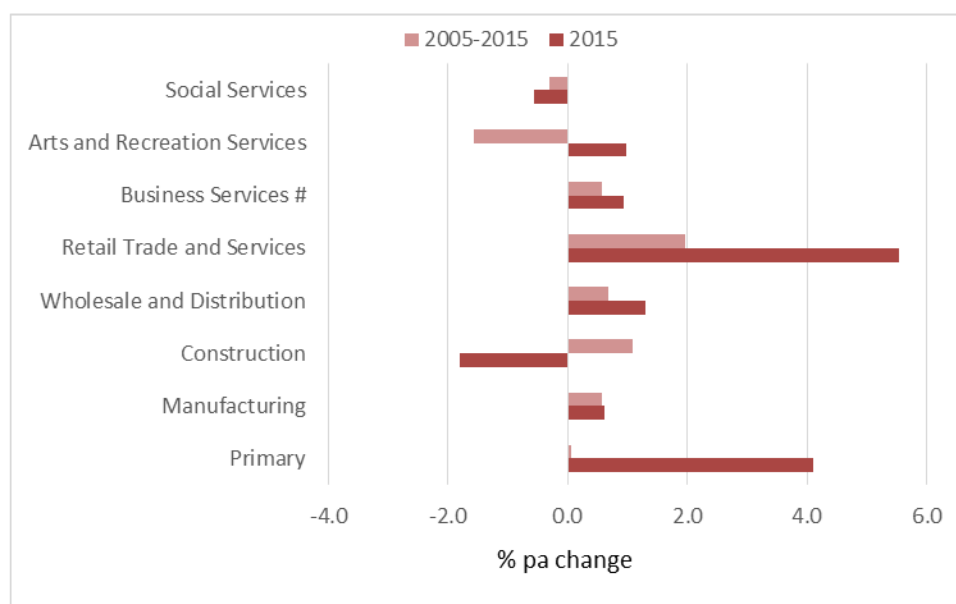
Table 2-7 Labour productivity summary, Otago Region, 2005 – 2015

Sector	Productivity (2015\$ per FTE)				%pa change		
	2005	2013	2014	2015	2014	2015	2005 to 2015
Primary	111,259	108,312	107,598	112,004	-0.7	4.1	0.1
Manufacturing	114,607	120,294	120,664	121,396	0.3	0.6	0.6
Construction	81,281	89,519	92,309	90,637	3.1	-1.8	1.1
Wholesale and Distribution	118,890	127,189	125,475	127,107	-1.3	1.3	0.7
Retail Trade and Services	48,050	56,197	55,310	58,369	-1.6	5.5	2.0
Business Services #	130,909	136,171	137,407	138,703	0.9	0.9	0.6
Arts and Recreation Services	113,148	91,257	95,740	96,679	4.9	1.0	-1.6
Social Services	87,028	83,162	84,800	84,328	2.0	-0.6	-0.3
Otago Regional Council	92,295	94,948	95,127	96,231	0.2	1.2	0.4
New Zealand	101,111	106,354	106,472	107,709	0.1	1.2	0.6

excl owner-occupied dwellings sector

Source: BERL Regional Database, 2015

Figure 2-18 Change in labour productivity, Otago Region, 2015 and 2005-2015



2.6 Business Units and size – Otago Region

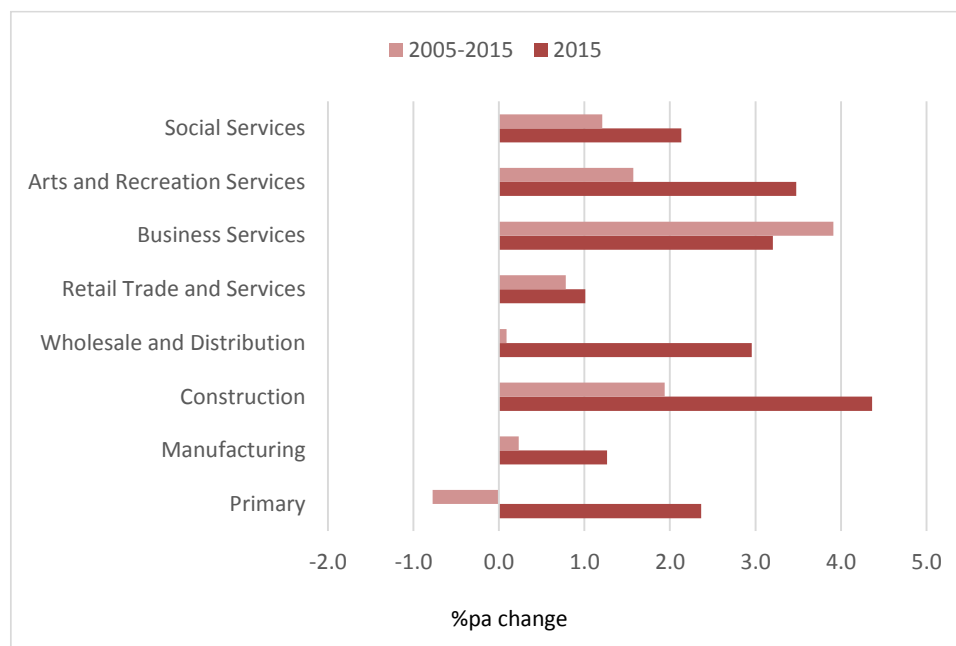
2.6.1 Business Units

Table 2-8 Business units summary, Otago Region, 2005 - 2015

Sector	Business Units (number)				%pa change		
	2005	2013	2014	2015	2014	2015	2005 to 2015
Primary	5,195	4,734	4,695	4,806	-0.8	2.4	-0.8
Manufacturing	939	931	949	961	1.9	1.3	0.2
Construction	2,487	2,782	2,887	3,013	3.8	4.4	1.9
Wholesale and Distribution	1,553	1,524	1,522	1,567	-0.1	3.0	0.1
Retail Trade and Services	3,978	4,205	4,257	4,300	1.2	1.0	0.8
Business Services	7,371	9,850	10,483	10,819	6.4	3.2	3.9
Arts and Recreation Services	611	675	690	714	2.2	3.5	1.6
Social Services	1,615	1,772	1,783	1,821	0.6	2.1	1.2
Otago Regional Council	23,749	26,473	27,266	28,001	3.0	2.7	1.7
New Zealand	475,626	507,908	523,043	537,403	3.0	2.7	1.2

Source: BERL Regional Database, 2015

Figure 2-19 Change in the number of business units, Otago Region, 2015 and 2005-2015



2.6.2 Business size

Table 2-9 Business size summary, Otago Region, 2005 – 2015

	Business size (FTEs per unit)			%pa change		
	2005	2014	2015	2014	2015	2005-2015
Primary	1.8	2.2	2.3	-5.8	2.3	2.1
Manufacturing	12.5	9.3	9.0	-1.9	-3.7	-3.3
Construction	3.5	3.3	3.6	7.2	8.4	0.4
Wholesale and Distribution	3.9	4.6	4.5	2.9	-1.6	1.4
Retail Trade and Services	5.3	5.2	5.2	4.3	-0.4	-0.1
Business Services	1.7	1.3	1.3	-3.3	-3.0	-2.8
Arts and Recreation Services	3.1	3.4	3.6	4.0	7.1	1.6
Social Services	11.5	12.7	12.9	-1.0	2.3	1.2
TOTAL: Otago	3.8	3.5	3.6	-0.8	0.4	-0.6
New Zealand	3.7	3.7	3.7	-0.3	-0.5	0.0

Source: BERL Regional Database 2015

2.7 Location Quotients – Otago Region

Table 2-10 Ten industries with the highest FTE location quotients, Otago Region, 2015

Rank by FTE location quotient		LQ
1	Metal Ore Mining	6.1
2	Accommodation	3.2
3	Other Transport	2.6
4	Tertiary Education	2.3
5	Gambling Activities	1.9
6	Heritage Activities	1.9
7	Publishing (except Internet and Music Publishing)	1.8
8	Agriculture Forestry and Fishing Support Services	1.6
9	Sport and Recreation Activities	1.6
10	Agriculture	1.5

Source: BERL Regional Database, 2015

Table 2-11 Ten industries with the lowest FTE location quotients, Otago Region, 2015

Rank by FTE location quotient		LQ
77	Commission-Based Wholesaling	0.2
78	Coal Mining	0.2
79	Pulp Paper & Converted Paper Product Manufacturing	0.1
80	Water Transport	0.1
81	Polymer Product and Rubber Product Manufacturing	0.1
82	Insurance and Superannuation Funds	0.1
83	Telecommunications Services	0.1
84	Exploration and Other Mining Support Services	0.0
85	Defence	0.0
86	Oil and Gas Extraction	0.0

2.8 Key sectors

Table 2-12 Key sectors, Employment summary, Otago Region, 2005 – 2015

Key sectors: Employment (FTEs)	Year ending March				%pa change	
	2005	2013	2014	2015	2014-2015	2005-2015
Primary production sector	9,350	10,966	10,234	10,726	4.8	1.4
Primary processing sector	6,866	5,289	5,346	5,069	-4.2	-3.0
Creative sector	2,571	1,926	2,132	2,051	-3.8	-2.2
Education & Research sector	8,047	9,368	9,158	9,507	3.8	1.7
Engineering, Machinery & Equipment manufacturing sector	964	1,169	1,168	1,178	0.8	2.0
Key sectors (excluding Tourism)	27,798	28,718	28,038	28,530	0.0	0.3
Non-key sectors	61,937	65,828	68,561	71,114	0.0	1.4
Total employment: Otago Region	89,735	94,546	96,599	99,644	3.2	1.1
Tourism sector	7,216	9,602	10,167	10,589	4.2	3.9

Source: BERL Regional Database 2015

Figure 2-20 Employment by local authority by key sectors, 2015

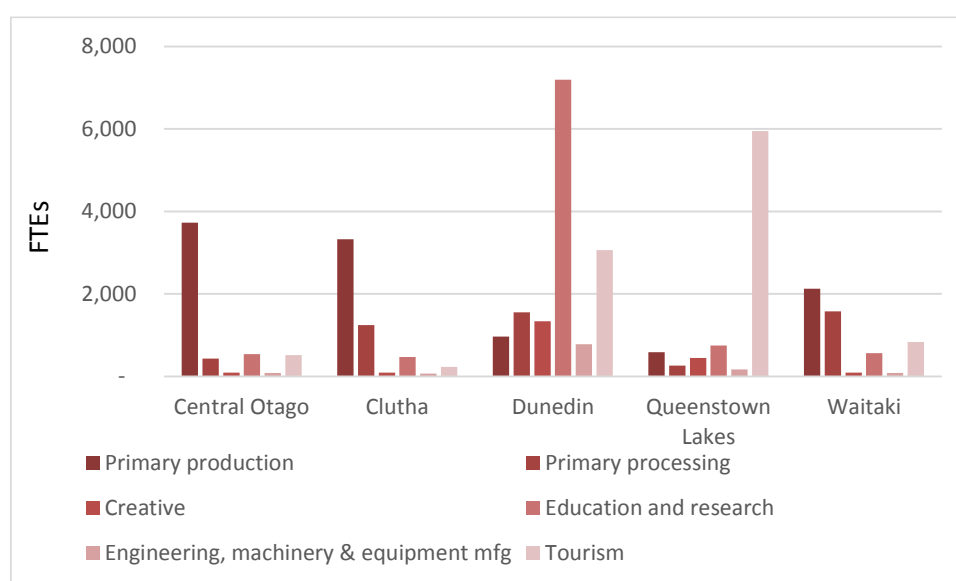


Figure 2-21 Percent employment by sector by local authority, 2015

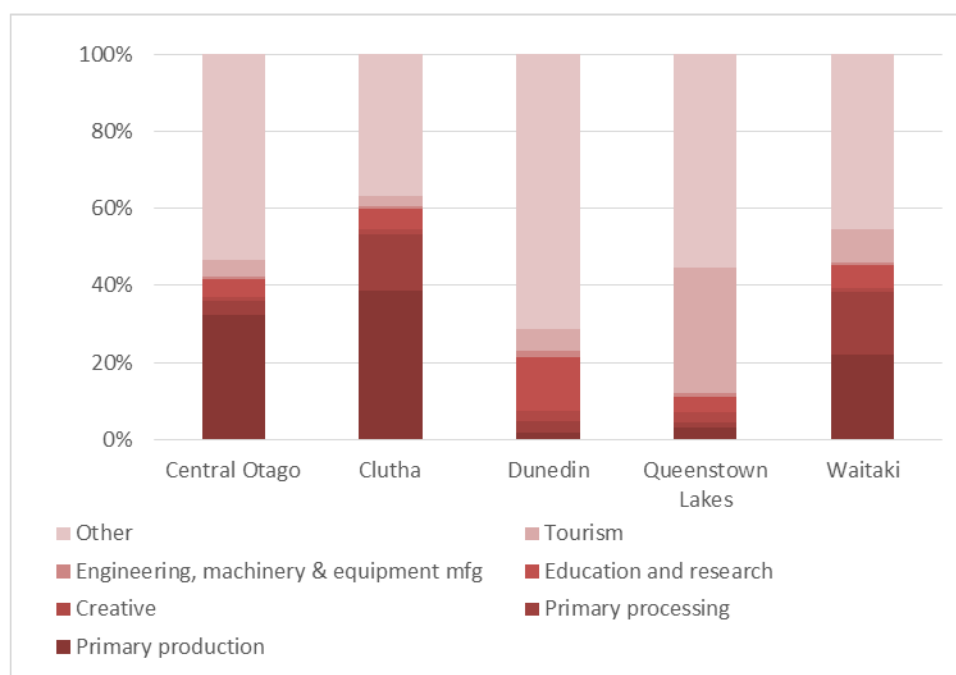


Table 2-13 Key sectors, GDP summary, Otago Region, 2005 - 2015

Key sectors: GDP (\$2015m)	Year ending March				%pa change	
	2005	2013	2014	2015	2014-2015	2005-2015
Primary production sector	1,045	1,168	1,095	1,155	5.5	1.0
Primary processing sector	785	630	639	601	-5.9	-2.6
Creative sector	167	134	145	147	1.5	-1.2
Education & Research sector	712	725	723	719	-0.5	0.1
Engineering, Machinery & Equipment manufacturing sector	94	123	121	121	0.5	2.6
Key sectors (excluding Tourism)	2,803	2,779	2,723	2,744	0.8	-0.2
Non-key sectors	6,654	7,526	7,807	8,200	5.0	2.1
Total GDP: Otago Region	9,457	10,305	10,530	10,943	3.9	1.5
Tourism sector	488	666	717	773	7.8	4.7

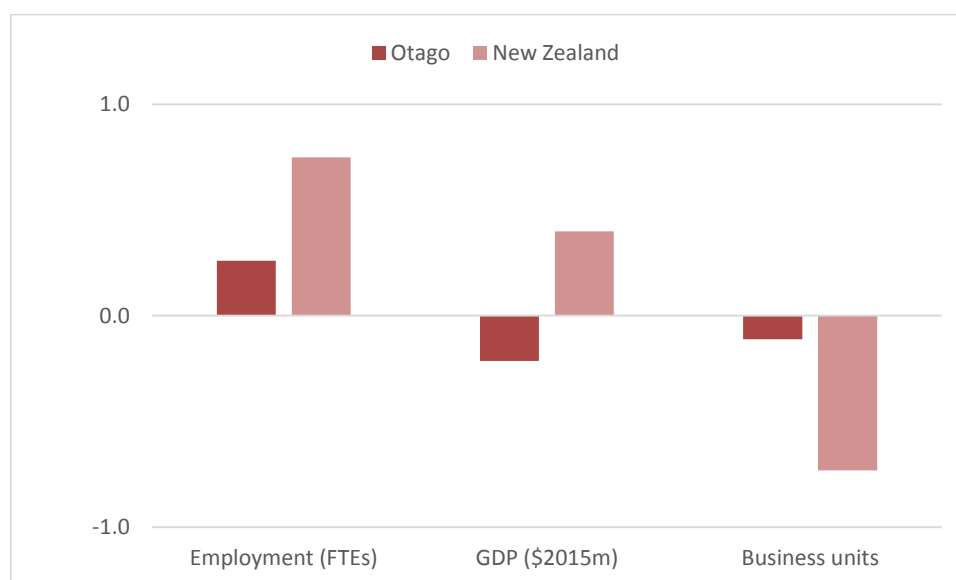
Source: BERL Regional Database 2015

Table 2-14 , Business Units summary, Otago Region, 2005 - 2015

Key sectors: Business units	Year ending March				%pa change	
	2005	2013	2014	2015	2014-2015	2005-2015
Primary production sector	5,196	4,736	4,696	4,809	2.4	-0.8
Primary processing sector	283	293	312	319	8.9	1.2
Creative sector	731	796	827	870	5.2	1.8
Education & Research sector	511	559	563	559	-0.7	0.9
Engineering, Machinery & Equipment manufacturing sector	282	333	341	368	7.9	2.7
Key sectors (excluding Tourism)	7,003	6,717	6,739	6,925	2.8	-0.1
Non-key sectors	16,746	19,756	20,527	21,113	2.9	2.3
Total business units: Otago Region	23,749	26,473	27,266	28,038	2.8	1.7
Tourism sector	1,421	1,831	1,884	1,929	2.4	3.1

Source: BERL Regional Database 2015

Figure 2-22 Key sector indicator growth, Otago Region vs. New Zealand, 2005 - 2015



2.8.1 Tourism sector

Table 2-15 Tourism Key Indicators, Otago Region, 2015

Role of tourism in local economy	Employment		GDP (\$2015m)		Number of Business Units	
		%		%		%
Tourism-characteristic industries	8,192	8.2%	\$557	5.1%	1,329	4.7%
Tourism-related industries	1,409	1.4%	\$95	0.9%	262	0.9%
All non-tourism-related industries	988	1.0%	\$121	1.1%	337	1.2%
Otago	10,589	10.6%	\$773	7.1%	1,929	6.9%
New Zealand	104,886	5.3%	\$8,886	3.7%	21,328	4.0%

Source: BERL Regional Database 2015

Table 2-16 Tourism Employment, Otago Region, 2005 - 2015

Tourism Employment (FTEs)	Years ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Tourism-characteristic industries	5,253	7,361	7,781	8,192	5.3	4.5
Tourism-related industries	1,279	1,312	1,431	1,409	-1.5	1.0
All non-tourism-related industries	685	929	955	988	3.4	3.7
Tourism Sector	7,216	9,602	10,167	10,589	4.1	3.9
Total Employment: Otago	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-17 Tourism GDP, Otago Region, 2005 - 2015

Tourism GDP (2015\$m)	Years ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Tourism-characteristic industries	345	466	498	557	11.8	4.9
Tourism-related industries	58	87	91	95	4.3	5.0
All non-tourism-related industries	86	114	118	121	3.0	3.6
Tourism Sector	488	666	707	773	9.4	4.7
Total GDP: Otago	9,457	10,305	10,530	10,943	3.9	1.5

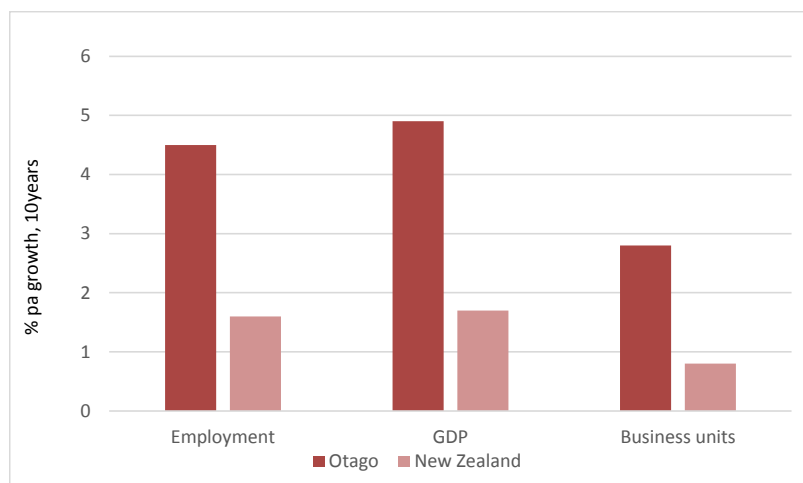
Source: BERL Regional Database 2015

Table 2-18 Tourism Business Units, Otago Region, 2005 - 2015

Tourism Business units	Years ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Tourism-characteristic industries	1,005	1,266	1,297	1,329	2.4	2.8
Tourism-related industries	196	251	257	262	2.2	3.0
All non-tourism-related industries	220	314	330	337	2.3	4.4
Tourism Sector	1,421	1,831	1,884	1,929	2.4	3.1
Total Business Units: Otago	23,749	26,473	27,266	28,030	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-23 Tourism-characteristic industries growth, Otago Region vs. New Zealand, 2005 – 2015



2.9 Primary production sector

Table 2-19 Primary Production sector Employment, Otago Region, 2005 - 2015

Primary production sector employment (FTEs)	2005	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
					Number	%	
Agriculture	1,235	1,543	1,492	1,427	-65	-4.3	1.5
Aquaculture	0	10	20	19	-1	-6.2	na
Forestry and Logging	6	3	3	2	-1	-34.7	-10.1
Fishing Hunting and Trapping	7	8	5	6	1	22.4	-1.6
Agriculture Forestry and Fishing Support Services	198	221	266	261	-5	-1.9	2.8
Coal Mining	0	0	0	0	0	#DIV/0!	na
Oil and Gas Extraction	0	0	0	0	0	na	na
Metal Ore Mining	259	537	465	399	-66	-14.2	4.4
Non-Metallic Mineral Mining and Quarrying	52	39	39	38	0	-0.7	-2.9
Exploration and Other Mining Support Services	19	0	0	0	0	#DIV/0!	-100.0
Primary production sector	1,775	2,360	2,290	2,152	-137	-6.0	1.3
Total employment: Otago Region	89,735	94,546	96,599	99,644	3,045	3.2	1.1

Source: BERL Regional Database, 2015

Table 2-20 Primary Production sector GDP, Otago Region, 2005 - 2015

Primary production sector GDP (\$2015m)	2005	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
					Number	%	
Agriculture	125	165	156	154	-2	-1.4	2.1
Aquaculture	0	1	1	1	0	1.7	na
Forestry and Logging	2	1	1	1	0	-31.5	-6.9
Fishing Hunting and Trapping	1	1	0	0	0	32.7	-2.5
Agriculture Forestry and Fishing Support Services	16	16	18	19	1	6.4	1.9
Coal Mining	0	0	0	0	0	na	na
Oil and Gas Extraction	0	0	0	0	0	na	na
Metal Ore Mining	75	85	84	81	-3	-3.2	0.8
Non-Metallic Mineral Mining and Quarrying	15	6	7	8	1	12.0	-6.3
Exploration and Other Mining Support Services	5	0	0	0	0	na	-100.0
Primary production sector	239	273	268	265	-3	-1.1	1.0
Total: Otago Region	9,457	10,305	10,530	10,943	414	3.9	1.5

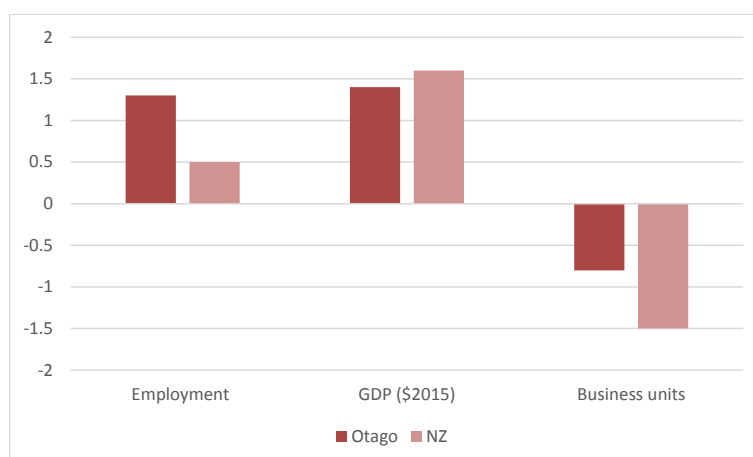
Source: BERL Regional Database, 2015

Table 2-21 Primary Production sector Business Units, Otago Region, 2005 - 2015

Primary production sector business units	2005	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
					Number	%	
Agriculture	922	887	888	900	12	1.4	-0.2
Aquaculture	1	2	3	4	1	33.3	14.9
Forestry and Logging	62	53	54	51	-3	-5.6	-1.9
Fishing Hunting and Trapping	22	9	9	19	10	111.1	-1.5
Agriculture Forestry and Fishing Support Services	73	82	90	93	3	3.3	2.5
Coal Mining	0	0	0	0	0	na	na
Oil and Gas Extraction	0	0	0	0	0	na	na
Metal Ore Mining	1	1	1	12	11	1,100.0	28.2
Non-Metallic Mineral Mining and Quarrying	6	5	5	3	-2	-40.0	-6.7
Exploration and Other Mining Support Services	2	0	0	0	0	na	-100.0
Primary production sector	1,089	1,039	1,050	1,082	32	3.0	-0.1
Total: Otago Region	23,749	26,473	27,266	28,001	735	2.7	1.7

Source: BERL Regional Database, 2015

Figure 2-24 Primary Production sector key indicator growth, Otago Region vs. New Zealand, 2005 – 2015



2.9.1 Primary processing sector

Table 2-22 Primary Processing sector Employment, Otago Region, 2005 - 2015

Primary processing sector Employment (FTEs)	2005	2013	2014	2015	% pa change	
					2014 to 2015	2005 to 2015
Food, Beverage and Tobacco	5,823	4,558	4,558	4,427	-2.9	-2.7
Wood and Paper Product Manufacturing	1,043	731	789	642	-18.6	-4.7
Primary processing sector	6,866	5,289	5,346	5,069	-5.2	-3.0
Otago Region	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-23 Primary Processing sector GDP, Otago Region, 2005 - 2015

Primary processing sector GDP (2014\$m)					%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Food, Beverage and Tobacco	683	546	549	526	-4.1	-2.6
Wood and Paper Product Manufacturing	102	84	90	75	-17.1	-3.0
Primary processing sector	785	630	639	601	-5.9	-2.6
Otago Region	9,457	10,305	10,530	10,943	3.9	1.5

Source: BERL Regional Database 2015

Table 2-24 Primary Processing sector Business Units, Otago Region, 2005 - 2015

Primary processing sector Business units					%pa change	
	2005	2013	2014	2015	2015 to 2015	2005 to 2015
Food, Beverage and Tobacco	165	182	198	206	4.0	2.2
Wood and Paper Product Manufacturing	118	111	114	113	-0.9	-0.4
Primary processing sector	283	293	312	319	2.2	1.2
Otago Region	23,749	26,473	27,266	28,038	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-25 Primary Processing sector key indicator growth, Otago Region vs. New Zealand, 2005 – 2015



2.9.2 Creative sector

Table 2-25 Creative sector Employment, Otago Region, 2005 - 2015

Creative sector Employment (FTEs)	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Printing and publishing	1,606	1,030	1,172	1,050	-10.4	-4.2
Arts and antiques market	104	65	67	56	-17.1	-6.0
Commercial services	291	375	476	499	4.8	5.5
Film, video and television services	364	315	240	242	1.0	-4.0
Music, creative and performing arts and venues	205	141	177	204	15.2	-0.1
Creative sector	2,571	1,926	2,132	2,051	-3.8	-2.2
Total employment: Otago Region	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-26 Creative sector GDP, Otago Region, 2005 - 2015

Creative sector GDP (2015\$ m)	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Printing and publishing	62	44	46	42	-8.0	-3.8
Arts and antiques market	5	4	4	4	-12.2	-2.2
Commercial services	34	42	53	56	4.8	5.1
Film, video and television services	45	31	24	25	3.6	-5.6
Music, creative and performing arts and venues	22	14	18	21	15.9	-0.6
Creative sector	167	134	145	147	1.5	-1.2
Total GDP: Otago Region	9,457	10,305	10,530	10,943	3.9	1.5

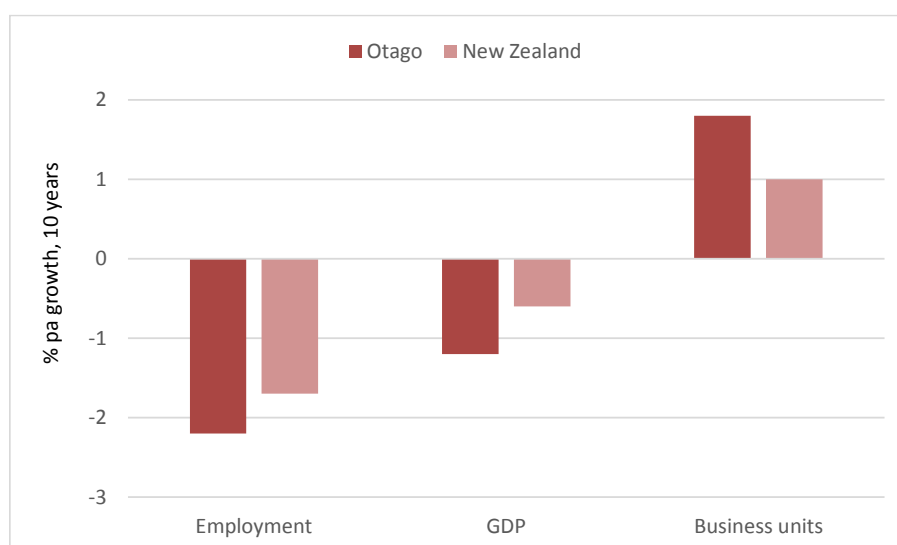
Source: BERL Regional Database 2015

Table 2-27 Creative sector Business Units, Otago Region, 2005 - 2015

Creative sector Business units	2005	2013	2014	2015	%pa change	
					2014 to 2015	2005 to 2015
Printing and publishing	82	94	87	91	4.6	1.0
Arts and antiques market	72	67	67	69	3.0	-0.4
Commercial services	261	313	340	348	2.4	2.9
Film, video and television services	131	127	126	142	12.7	0.8
Music, creative and performing arts and venues	185	195	207	220	6.3	1.7
Creative sector	731	796	827	870	5.2	1.8
Total business units: Otago Region	23,749	26,473	27,266	28,038	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-26 Creative sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015



2.9.3 Education & Research sector

Table 2-28 Education & Research sector Employment, Otago Region, and 2005 - 2015

Education & Research Sector Employment (FTEs)	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Preschool Education	408	861	909	896	-1.4	8.2
Primary and Secondary Education	3,081	3,347	3,215	3,409	6.1	1.0
Higher Education	3,934	4,466	4,316	4,422	2.5	1.2
Other Education	249	288	279	301	7.6	1.9
Scientific Research	374	406	439	479	9.2	2.5
Education & Research sector	8,047	9,368	9,158	9,507	3.8	1.7
Total employment: Otago Region	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-29 Education and Research sector GDP, Otago Region, 2005 - 2015

Education & Research Sector GDP (2015\$m)	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Preschool Education	36	65	70	66	-6.0	6.4
Primary and Secondary Education	269	254	249	251	1.2	-0.7
Higher Education	343	339	334	326	-2.3	-0.5
Other Education	22	22	22	22	2.7	0.2
Scientific Research	44	45	49	53	9.3	2.1
Education & Research sector	712	725	723	719	-0.5	0.1
Total GDP: Otago Region	9,457	10,305	10,530	10,943	3.9	1.5

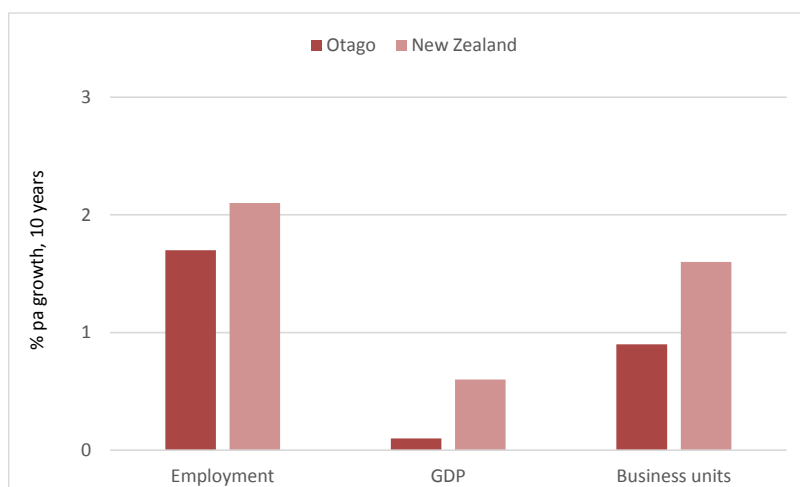
Source: BERL Regional Database 2015

Table 2-30 Education and Research sector Business Units, Otago Region, 2005 - 2015

Education & Research Sector Business units	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Preschool Education	119	138	143	141	-1.4	1.7
Primary and Secondary Education	167	155	154	158	2.6	-0.6
Higher Education	32	40	38	42	10.5	2.8
Other Education	113	127	121	113	-6.6	0.0
Scientific Research	80	99	107	105	-1.9	2.8
Education & Research sector	511	559	563	559	-0.7	0.9
Total business units: Otago Region	23,749	26,473	27,266	28,038	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-27 Education and Research sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015



2.9.4 Engineering, Machinery & Equipment Manufacturing

Table 2-31 Engineering, Machinery & Equipment Manufacturing Employment, Otago Region, 2005 - 2015

Engineering, Machinery & Equipment manufacturing sector Employment (FTEs)	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Machinery and Equipment Manufacturing	554	608	609	625	2.7	1.2
Consultant Engineering Services	410	561	560	553	-1.2	3.0
Engineering, Machinery & Equipment manufacturing sector	964	1,169	1,168	1,178	0.8	2.0
Total Employment: Otago Region	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-32 Engineering, Machinery and Equipment Manufacturing GDP, Otago Region, 2005 - 2015

Engineering, Machinery & Equipment manufacturing sector GDP (2015\$m)	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Machinery and Equipment Manufacturing	54	64	63	64	1.1	1.6
Consultant Engineering Services	40	59	58	58	-0.2	3.7
Engineering, Machinery & Equipment manufacturing sector	94	123	121	121	0.5	2.6
Total GDP: Otago Region	9,457	10,305	10,530	10,943	3.9	1.5

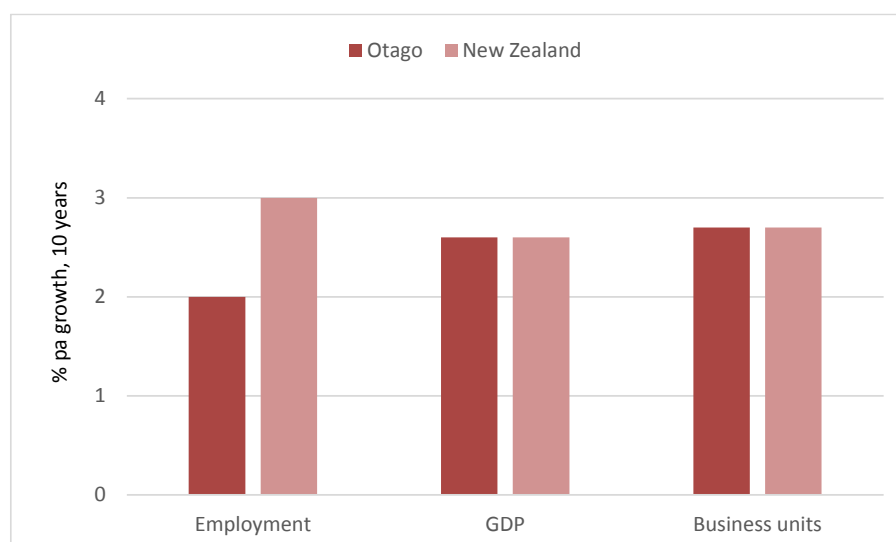
Source: BERL Regional Database 2015

Table 2-33 Engineering, Machinery & Equipment Manufacturing Business Units, Otago Region, 2005 - 2015

Engineering, Machinery & Equipment manufacturing sector Business units	Year ending March				%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Machinery and Equipment Manufacturing	120	125	125	135	8.0	1.2
Consultant Engineering Services	162	208	216	233	7.9	3.7
Engineering, Machinery & Equipment manufacturing sector	282	333	341	368	7.9	2.7
Total Business units: Otago Region	23,749	26,473	27,266	28,038	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-28 Engineering, Machinery & Equipment Manufacturing, Otago vs. New Zealand, 2005 - 2015



2.9.5 Information and communication technology (ICT) sector

Table 2-34 ICT Employment, Otago Region, 2005 - 2015

ICT sector Employment (FTEs)					%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Manufacturing	45	43	68	61	-9.4	3.2
Wholesaling	353	453	440	407	-7.5	1.4
Telecommunication services	51	53	48	38	-21.1	-2.9
Commercial services	328	328	375	388	3.4	1.7
ICT sector	777	877	930	893	-4.0	1.4
Total employment: Otago Region	89,735	94,546	96,599	99,644	3.2	1.1

Source: BERL Regional Database 2015

Table 2-35 ICT GDP, Otago Region, 2005 - 2015

ICT sector GDP (2015\$m)					%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Manufacturing	6	5	8	8	-6.5	3.5
Wholesaling	41	55	54	50	-5.8	2.1
Telecommunication services	24	33	29	24	-16.4	-0.2
Commercial services	93	45	50	55	9.4	-5.2
ICT sector	164	138	141	137	-2.6	-1.8
Total GDP: Otago Region	9,457	10,305	10,530	10,943	3.9	1.5

Source: BERL Regional Database 2015

Table 2-36 ICT Business Units, Otago Region, 2005 - 2015

ICT sector Business units					%pa change	
	2005	2013	2014	2015	2014 to 2015	2005 to 2015
Manufacturing	13	8	8	9	12.5	-3.6
Wholesaling	83	83	83	82	-1.2	-0.1
Telecommunication services	11	11	12	10	-16.7	-0.9
Commercial services	167	227	245	254	3.7	4.3
ICT sector	274	329	348	355	2.0	2.6
Total business units: Otago Region	23,749	26,473	27,266	28,038	2.8	1.7

Source: BERL Regional Database 2015

Figure 2-29 ICT sector key indicator growth, Otago Region vs. New Zealand, 2005 - 2015



3 Technical appendices

3.1 Sector composition

Table 3-1 The six key sectors of the Otago Region economy

Agriculture	Primary processing	Creative sector	Education & Research	Engineering, Machinery & Equipment manufacturing	Tourism
Aquaculture	Food Product Manufacturing	Printing	Preschool Education	Other Transport Equipment Manufacturing n.e.c.	Tourism-characteristic industries
Forestry and Logging	Beverage and Tobacco Product Manufacturing	Printing Support Services	Primary Education	Agricultural Machinery and Equipment Manufacturing	Tourism-related industries
Fishing Hunting and Trapping	Wood Product Manufacturing	Newspaper Publishing	Secondary Education	Mining and Construction Machinery Manufacturing	All non-tourism-related industries
Agriculture Forestry and Fishing Support Services	Pulp Paper and Converted Paper Product Manufacturing	Magazine and Other Periodical Publishing	Combined Primary and Secondary Education	Machine Tools and Parts Manufacturing	
Coal Mining		Book Publishing	Special School Education	Other Specialised Machinery and Equipment Manufacturing	
Oil and Gas Extraction		Directory and Mailing List Publishing	Higher Education	Lifting and Material Handling Equipment Manufacturing	
Metal Ore Mining		Reproduction of Recorded Media	Technical and Vocational Education and Training	Other Machinery and Equipment Manufacturing n.e.c.	
Non-Metallic Mineral Mining and Quarrying		Other Publishing (except Software, Music and Internet)	Arts Education	Photographic, Optical and Ophthalmic Equipment Manufacturing	
Exploration and Other Mining Support Services		Software Publishing	Adult, Community and Other Education n.e.c.	Electrical Lighting Equipment Manufacturing	
Primary		Architectural Services	Educational Support Services	Fixed Space Heating, Cooling and Ventilation Equipment Manufacturing	
Food Product Manufacturing		Advertising Services	Scientific Research Services	Medical and Surgical Equipment Manufacturing	
Beverage and Tobacco Product Manufacturing		Other Specialised Design Services	Scientific Testing and Analysis Services	Other Professional and Scientific Equipment Manufacturing	
Textile Leather Clothing and Footwear Manufacturing		Radio Broadcasting	Other Professional, Scientific and Technical Services n.e.c.	Engineering Design and Engineering Consulting Services	
Wood Product Manufacturing		Cable and Other Subscription Broadcasting			
Pulp Paper and Converted Paper Product Manufacturing		Free-to-Air Television Broadcasting			
Printing		Motion Picture and Video Production			
Petroleum and Coal Product Manufacturing		Motion Picture and Video Distribution			
Basic Chemical and Chemical Product Manufacturing		Motion Picture Exhibition			
Polymer Product and Rubber Product Manufacturing		Post-production Services and Other Motion Picture and Video Activities			
Non-Metallic Mineral Product Manufacturing		Music Publishing			
Primary Metal and Metal Product Manufacturing		Music and Other Sound Recording Activities			
Fabricated Metal Product Manufacturing		Performing Arts Operation			
Transport Equipment Manufacturing		Performing Arts Venue Operation			
Machinery and Equipment Manufacturing		Creative Artists, Musicians, Writers and Performers			
Furniture and Other Manufacturing Manufacturing		Professional Photographic Services			
		Photographic Film Processing			

Source: BERL Regional Database, 2014

3.2 Key indicators: sector share by territorial authority, 2015

Table 3-2 FTEs by sector and TA, 2015

FTEs by sector and TLA, 2015	Queenstown				
	Central Otago	Clutha	Dunedin	Lakes	Waitaki
Primary	33%	39%	2%	3%	22%
Manufacturing	6%	18%	8%	3%	20%
Construction	13%	7%	10%	14%	10%
Wholesale and Distribution	7%	4%	8%	6%	6%
Retail Trade and Services	15%	12%	21%	40%	18%
Business Services	14%	5%	15%	19%	8%
Arts and Recreation Services	1%	0%	2%	6%	1%
Social Services	12%	15%	34%	9%	16%
Total	100%	100%	100%	100%	100%

Table 3-3 GDP by sector and TA, 2015

FTEs by sector and TLA, 2015	Queenstown				
	Central Otago	Clutha	Dunedin	Lakes	Waitaki
Primary	30%	38%	2%	3%	23%
Manufacturing	7%	18%	8%	4%	20%
Construction	11%	6%	8%	13%	7%
Wholesale and Distribution	8%	5%	9%	8%	6%
Retail Trade and Services	8%	6%	11%	23%	9%
Business Services	15%	6%	19%	25%	11%
Arts and Recreation Services	1%	0%	2%	6%	1%
Social Services	9%	11%	26%	7%	11%
sub-total	90%	89%	86%	89%	88%
Ownership of Occupied dwellings	10%	11%	14%	11%	12%
Total	100%	100%	100%	100%	100%

Table 3-4 Business units by sector and TA, 2015

FTEs by sector and TLA, 2015	Queenstown				
	Central Otago	Clutha	Dunedin	Lakes	Waitaki
Primary	28%	47%	8%	5%	36%
Manufacturing	4%	2%	4%	3%	3%
Construction	11%	5%	10%	16%	8%
Wholesale and Distribution	6%	3%	7%	5%	4%
Retail Trade and Services	13%	10%	18%	17%	14%
Business Services	32%	28%	41%	47%	29%
Arts and Recreation Services	3%	1%	3%	4%	2%
Social Services	4%	4%	10%	4%	4%
Total	100%	100%	100%	100%	100%

3.3 Detailed tables – Central Otago District

Employment (FTEs) for Central Otago District	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015
																	Number	%	2015 No.
Agriculture	2,185	2,013	2,100	1,815	2,056	2,248	1,812	2,218	2,288	2,384	2,058	2,152	2,320	2,467	2,416	2,673	257	10.6	1.7
Aquaculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Forestry and Logging	8	17	12	14	17	14	9	14	14	11	12	15	18	15	15	18	3	17.6	2.2
Fishing Hunting and Trapping	0	0	3	2	12	2	2	0	2	2	5	2	9	15	16	13	-3	-17.4	19.1
Agriculture Forestry and Fishing Support Services	350	353	371	437	440	506	605	616	538	619	738	773	726	775	793	1,005	212	26.7	7.1
Coal Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Oil and Gas Extraction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Metal Ore Mining	6	6	0	0	0	0	0	0	0	3	7	17	17	10	3	8	4	131.7	na
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	3	6	6	15	6	13	13	7	32	23	21	-2	-10.2	21.0
Exploration and Other Mining Support Services	0	0	0	0	0	3	0	3	3	0	3	7	10	47	0	0	0	na	-100.0
Primary	2,550	2,389	2,486	2,268	2,525	2,777	2,434	2,858	2,861	3,027	2,836	2,978	3,107	3,362	3,267	3,738	471	14.4	3.0
Food Product Manufacturing	290	285	241	206	272	112	103	102	104	75	84	73	71	87	77	94	17	22.1	-1.7
Beverages and Tobacco Product Manufacturing	26	26	70	82	136	121	206	171	187	248	194	211	220	240	271	236	-36	-13.3	6.9
Textile Leather Clothing and Footwear Manufacturing	3	5	9	8	5	8	17	35	47	52	9	6	6	6	12	12	0	2.1	3.3
Wood Product Manufacturing	57	60	75	81	59	84	102	116	103	87	76	82	92	93	89	98	8	9.3	1.5
Pulp Paper and Converted Paper Product Manufacturing	0	0	0	3	0	0	0	0	3	3	0	0	0	0	0	0	0	na	na
Printing	13	13	14	16	32	6	3	6	6	3	19	25	25	20	25	27	2	7.5	16.3
Petroleum and Coal Product Manufacturing	0	3	0	0	3	3	3	3	6	3	3	0	3	3	0	0	0	na	-100.0
Basic Chemical and Chemical Product Manufacturing	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	3	0	0	3	3	6	3	0	6	3	4	1	33.0	3.7
Non-Metallic Mineral Product Manufacturing	26	30	37	36	32	39	46	46	59	58	50	47	45	49	102	100	-1	-1.2	9.9
Primary Metal and Metal Product Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Fabricated Metal Product Manufacturing	20	26	25	32	23	29	43	53	51	57	81	79	83	95	115	115	0	-0.1	14.7
Transport Equipment Manufacturing	6	3	6	6	6	6	6	0	3	0	0	3	6	3	3	3	0	-0.9	-6.2
Machinery and Equipment Manufacturing	25	27	38	39	40	36	32	31	37	35	33	30	26	32	38	40	2	5.2	1.2
Furniture and Other Manufacturing	3	3	3	0	3	3	3	6	3	9	6	3	3	6	12	16	4	35.2	18.6
Manufacturing	472	484	520	512	614	450	565	569	610	632	580	561	581	639	747	745	-3	-0.4	5.2
Building Construction	108	138	178	231	261	321	329	350	381	332	365	285	262	244	285	341	56	19.6	0.6
Heavy and Civil Engineering Construction	364	364	461	527	632	640	683	676	736	792	691	710	726	693	634	615	-19	-3.0	-0.4
Construction Services	208	223	250	299	343	404	408	486	515	562	505	460	454	417	480	521	41	8.6	2.6
Construction	680	725	890	1,057	1,236	1,365	1,421	1,512	1,632	1,686	1,561	1,454	1,441	1,353	1,398	1,476	78	5.6	0.8
Basic Material Wholesaling	44	45	46	51	55	56	70	78	66	83	88	94	100	82	116	114	-1	-1.2	7.3
Machinery and Equipment Wholesaling	23	11	15	23	50	45	81	74	73	102	69	76	82	94	104	94	-10	-9.3	7.8
Motor Vehicle and Motor Vehicle Parts Wholesaling	6	3	6	9	15	8	11	11	8	12	9	12	12	11	8	8	-1	-8.9	-0.9
Grocery Liquor and Tobacco Product Wholesaling	83	62	87	98	110	103	103	118	123	291	106	128	98	114	133	136	3	2.5	2.8
Other Goods Wholesaling	0	0	0	3	0	0	0	0	11	3	3	6	6	6	9	11	3	34.2	na
Commission-Based Wholesaling	26	15	16	19	15	16	6	9	9	16	7	7	10	7	10	10	0	-0.7	-4.4
Road Transport	163	168	203	188	204	219	221	205	245	295	282	283	278	301	297	335	38	12.8	4.4
Rail Transport	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Air and Space Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Other Transport	0	0	0	0	0	2	2	7	6	4	4	4	4	4	4	5	1	13.9	8.8
Postal and Courier Pick up and Delivery Services	35	29	39	40	43	48	59	53	32	36	38	40	47	50	50	49	-1	-2.7	0.2
Transport Support Services	0	0	0	0	0	0	3	3	6	3	6	6	9	15	19	19	1	3.2	na
Warehousing and Storage Services	15	12	19	19	35	73	3	0	3	3	0	0	0	0	7	3	-3	-50.4	-26.6
Wholesale and Distribution	397	345	432	450	528	569	559	558	582	847	612	656	647	685	756	785	29	3.8	3.3
Motor Vehicle and Motor Vehicle Parts Retailing	86	102	106	104	97	89	101	93	107	105	75	77	67	73	88	84	-4	-4.5	-0.5
Fuel Retailing	42	53	86	70	78	63	74	82	82	91	61	69	71	68	81	84	3	3.4	3.0
Food Retailing	207	231	272	311	349	316	367	407	388	402	334	331	312	340	371	400	29	7.7	2.4
Other Store-Based Retailing	280	297	268	320	345	358	381	419	386	398	308	320	316	311	331	313	-17	-5.3	-1.3
Non-Store Retailing and Retail Commission Based Buying and/or Selling	3	3	6	3	6	8	6	3	0	0	0	0	0	2	3	3	0	7.7	-10.7
Accommodation	124	135	127	147	148	149	152	157	147	142	157	152	177	187	179	185	6	3.1	2.1
Food and Beverage Services	118	160	201	196	231	251	312	323	323	331	335	358	366	348	370	376	5	1.5	4.1
Repair and Maintenance	72	70	82	89	86	96	80	80	92	106	119	119	121	135	127	142	15	11.8	4.0
Personal and Other Services	33	34	43	35	41	45	40	50	55	60	70	76	85	86	99	84	-15	-15.3	6.4
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Retail Trade and Services	966	1,085	1,190	1,275	1,381	1,376	1,513	1,612	1,580	1,635	1,459	1,503	1,517	1,550	1,650	1,671	21	1.3	2.0
Electricity Supply	120	115	46	43	34	37	50	55	55	63	70	76	72	72	83	82	-1	-1.0	8.3
Gas Supply	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Supply Sewerage and Drainage Services	0	3	0	3	0	0	0	0	0	0	0	3	3	7	7	7	0	-0.7	na
Waste Collection Treatment and Disposal Services	5	5	8	10	10	21	29	21	28	36	39	40	40	42	30	33	3	10.1	4.6
Publishing (except Internet and Music Publishing)	17	10	8	10	13	10	8	11	8	5	17	21	16	24	32	33	0	1.5	12.4
Motion Picture and Sound Recording Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Broadcasting (except Internet)	18	15	22	19	20	20	23	11	18	6	7	7	0	3	3	2	-1	-32.8	-21.4
Internet Publishing and Broadcasting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Telecommunications Services	3	0	3	3	3	0	0	0	0	0	0	0	3	0	3	2	-1	-33.2	na
Internet Service Providers Web Search Portals and Data Processing Services	0	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	na	-100.0
Library and Other Information Services	15	15	5	14	12	13	20	13	15	14	16	15	18	17	11	15	4	31.8	1.2
Finance	43	45	45	51	55	55	66	67	69	74	71	64	83	68	55	45	-9	-17.2	-1.9
Insurance and Superannuation Funds	5	6	6	5	5	5	6	6	5	9	6	6	6	6	3	2	-1	-32.5	-9.1
Auxiliary Finance and Insurance Services	13	8	14	14	20	28	19	27	22	31	33	32	32	25	24	23	-1	-5.4	-2.0
Rental and Hiring Services (except Real Estate)	15	12	13	5	16	24	9	11	16	18	18	22	14	14	14	16	2	13.0	-4.4
Property Operators and Real Estate Services	49	72	52	70	98	69	77	97	88	108	108	58	70	60	49	65	15	31.2	-0.7
Professional Scientific and Technical Services (exc Comp Sys Dev & related)	206	202	255	253	287	271	312	270	304	327	325	304	255	238	262	303	41	15.6	1.1
Computer System Design and Related Services	0	3	10	9	6	9	9	12	12	9	6	6	6	13	9	6	-3	-35.3	-4.3
Administrative Services	15	55	106	111	146	150	181	243	390	548	576	624	605	667	732	789	57	7.8	18.1
Building Cleaning Pest Control and Other Support Services	257	248	276	319	538	559	444	310	272	208	165	171	109	124	156	185	29	18.6	-10.5
Business Services	783	817	872	941	1,268	1,276	1,256	1,156	1,301	1,455	1,458	1,450	1,335	1,380	1,473	1,607	133	9.0	2.3
Heritage Activities	14	15	22	17	20	20	21	25	28	20	25	24	22	23	18	19	1	6.7	-0.3
Artistic Activities	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	na	na
Sport and Recreation Activities	41	49	41	50	45	49													

Real value added (GDP 2015\$m) for Central Otago District	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
																	Number	%	
Agriculture	183	180	174	152	206	228	190	234	195	242	210	189	240	263	253	288	36	14.1	2.4
Aquaculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Forestry and Logging	2	4	3	3	4	4	2	4	4	4	4	5	6	5	5	7	1	23.3	5.8
Fishing Hunting and Trapping	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	-10.5	18.0
Agriculture Forestry and Fishing Support Services	35	34	31	36	36	41	48	49	47	41	45	48	53	55	54	75	20	37.4	6.1
Coal Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Oil and Gas Extraction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Metal Ore Mining	3	3	0	0	0	0	0	0	0	1	1	3	3	2	1	2	1	161.3	na
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	1	2	2	3	1	3	3	1	5	4	4	0	1.3	16.8
Exploration and Other Mining Support Services	0	0	0	0	0	1	0	1	1	0	1	1	2	7	0	0	0	na	-100.0
<i>Primary</i>	222	220	208	191	247	275	242	290	251	288	264	249	305	338	318	376	58	18.2	3.2
Food Product Manufacturing	29	29	22	24	33	13	13	12	13	9	10	9	8	10	9	11	2	20.6	-1.5
Beverage and Tobacco Product Manufacturing	3	3	6	9	16	14	25	21	23	30	23	25	26	29	33	28	-5	-14.3	7.0
Textile Leather Clothing and Footwear Manufacturing	0	0	0	0	0	1	1	2	3	4	1	0	0	1	1	1	0	-1.2	7.1
Wood Product Manufacturing	5	6	6	8	6	8	10	12	11	10	9	10	11	11	10	11	1	11.4	3.3
Pulp Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Printing	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	10.5	16.8
Petroleum and Coal Product Manufacturing	0	1	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	na	-100.0
Basic Chemical and Chemical Product Manufacturing	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	1	0	0	1	1	1	0	1	1	1	1	0	36.3	4.4
Non-Metallic Mineral Product Manufacturing	4	5	5	6	6	7	8	8	10	9	7	7	7	8	17	18	1	6.2	10.3
Primary Metal and Metal Product Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Fabricated Metal Product Manufacturing	3	4	4	5	4	5	7	8	8	7	9	9	10	11	14	14	0	0.0	11.4
Transport Equipment Manufacturing	1	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	2.3	-5.9
Machinery and Equipment Manufacturing	3	3	4	4	5	4	4	4	5	4	4	4	3	4	5	5	0	8.6	1.5
Furniture and Other Manufacturing	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	0	35.9	20.2
<i>Manufacturing</i>	48	52	51	59	73	54	69	69	77	76	66	66	68	77	92	92	1	0.6	5.4
Building Construction	9	11	15	20	21	26	26	26	32	25	28	22	21	22	26	31	5	17.5	1.7
Heavy and Civil Engineering Construction	31	28	38	44	51	52	54	51	62	60	54	54	58	62	59	56	-3	-4.8	0.7
Construction Services	18	17	21	25	28	33	32	37	44	43	39	35	36	37	44	47	3	6.6	3.7
<i>Construction</i>	58	56	73	89	100	111	119	114	138	129	122	111	114	121	129	134	5	3.7	1.9
Basic Material Wholesaling	5	5	5	6	6	7	8	10	8	10	10	11	12	10	14	14	0	0.6	8.0
Machinery and Equipment Wholesaling	3	1	2	3	6	5	10	9	9	12	8	9	10	11	13	12	-1	-7.6	8.4
Motor Vehicle and Motor Vehicle Parts Wholesaling	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	-4.8	-0.3
Grocery Liquor and Tobacco Product Wholesaling	9	7	10	11	12	12	12	14	15	35	12	15	11	14	16	17	1	4.4	3.5
Other Goods Wholesaling	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	36.6	na
Commission-Based Wholesaling	3	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	0	1.1	-3.8
Road Transport	16	19	21	21	24	26	26	25	31	37	35	37	36	40	38	44	5	13.6	5.1
Rail Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Air and Space Transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Other Transport	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	14.8	9.5
Postal and Courier Pick-up and Delivery Services	4	3	4	4	5	6	7	6	4	5	5	5	6	7	6	6	0	-2.0	0.9
Transport Support Services	0	0	0	0	0	0	0	0	1	0	1	1	1	2	2	2	0	4.0	na
Warehousing and Storage Services	2	1	2	2	4	9	0	0	0	0	0	0	0	0	1	0	0	-50.0	-26.0
<i>Wholesale and Distribution</i>	42	40	47	50	61	68	67	68	73	103	72	81	81	87	95	100	5	5.3	3.9
Motor Vehicle and Motor Vehicle Parts Retailing	4	4	4	4	4	4	5	4	5	5	5	4	5	6	6	6	0	1.2	3.5
Fuel Retailing	2	2	4	3	3	3	3	4	4	4	4	4	5	5	5	6	0	9.5	7.1
Food Retailing	8	9	11	13	14	14	17	19	19	19	20	20	20	23	24	27	3	14.1	6.5
Other Store-Based Retailing	11	12	11	13	14	16	18	20	18	18	19	19	20	21	21	21	0	0.3	2.7
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.0	-0.1
Accommodation	6	7	6	7	7	7	7	8	7	7	7	7	8	9	8	9	1	11.3	7.6
Food and Beverage Services	6	8	9	10	11	12	15	16	16	16	16	17	17	16	17	19	2	9.5	4.5
Repair and Maintenance	3	3	5	5	5	6	5	5	5	6	6	6	6	7	7	8	1	11.3	3.1
Personal and Other Services	2	2	3	2	2	3	2	3	3	3	4	4	4	5	5	4	-1	-15.7	5.5
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Retail Trade and Services</i>	43	48	53	57	61	66	72	77	78	78	81	83	86	89	94	100	7	7.0	4.3
Electricity Supply	80	78	29	30	24	23	32	35	33	36	41	42	38	37	42	41	-1	-1.6	5.9
Gas Supply	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Supply Sewerage and Drainage Services	0	2	0	2	0	0	0	0	0	0	0	2	2	3	3	3	0	-1.4	na
Waste Collection Treatment and Disposal Services	3	3	5	7	7	13	18	13	17	20	23	23	21	22	15	17	1	9.4	2.3
Publishing (except Internet and Music Publishing)	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	4.3	12.8
Motion Picture and Sound Recording Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Broadcasting (except Internet)	2	2	2	2	3	3	3	1	2	1	1	1	0	0	0	0	0	-31.1	-22.7
Internet Publishing and Broadcasting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Telecommunications Services	1	0	1	1	1	0	0	0	0	0	0	0	2	0	2	1	-1	-29.2	na
Internet Service Providers Web Search Portals and Data Processing Services	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	na	-100.0
Library and Other Information Services	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	31.2	0.4
Finance	7	8	8	9	10	11	13	13	14	15	15	13	17	14	12	10	-2	-15.3	-0.8
Insurance and Superannuation Funds	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	-31.0	-8.1
Auxiliary Finance and Insurance Services	2	1	2	2	4	6	4	5	5	6	7	7	7	5	5	5	0	-3.3	-0.9
Rental and Hiring Services (except Real Estate)	5	4	4	2	5	8	3	3	5	6	6	7	4	5	4	5	1	14.7	-3.8
Property Operators and Real Estate Services	7	9	7	9	13	9	10	13	12	15	15	8	10	8	7	9	2	33.2	-0.1
Professional Scientific and Technical Services (exc. Comp Sys Dsn & related)	27	25	32	34	36	32	36	32	36	37	37	35	29	26	29	34	5	15.7	0.7
Computer System Design and Related Services	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	-35.3	-4.7
Administrative Services	1	3	5	7	8	8	10	14	22	33	33	38	36	41	46	50	4	8.6	20.2
Building Cleaning Pest Control and Other Support Services	24	13	14	20	30	30	25	18	16	13	9	10	7	8	10	12	2	19.6	-8.9
<i>Business Services</i>	163	153	114	132	147	146	158	153	165	187	192	189	176	173	180	191	11	6.2	2.7
Heritage Activities	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	0	9.4	-2.0
Artistic Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Sport and Recreation Activities	5	5	4	6	6	6	7	7	7	7	7	7	6	9	11	12	1	8.7	7.3
Gambling Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Arts and Recreation Services</i>	6	7	7	8	8	8	10	10	11	9	10	9	8	11	13	14	1	8.8	5.3
Public Administration	8	7	9	10	11	11	12	12	14	15	15	14	16	14	16	17	1	3.8	4.0
Defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Public Order Safety and Regulatory Services	3	3	3	3	4	3	5	5	5	4	4	4	4	4	5	5	0	3.0	4.8
Preschool and School Education	24	23																	

Activity units for Central Otago District	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
												Number	%	
Agriculture	867	879	854	853	850	838	824	803	803	803	823	20	2.5	-0.5
Aquaculture	0	0	0	0	0	0	0	1	0	0	0	0	na	na
Forestry and Logging	32	29	29	28	23	20	22	22	24	22	21	-1	-4.5	-4.1
Fishing Hunting and Trapping	6	5	4	7	6	10	10	12	9	12	9	-3	-25.0	4.1
Agriculture Forestry and Fishing Support Services	97	101	98	93	103	96	92	96	106	102	108	6	5.9	1.1
Coal Mining	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Oil and Gas Extraction	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Metal Ore Mining	2	1	2	2	3	2	3	3	6	6	9	3	50.0	16.2
Non-Metallic Mineral Mining and Quarrying	3	4	5	4	4	4	5	4	5	4	5	1	25.0	5.2
Exploration and Other Mining Support Services	1	1	1	1	1	1	2	3	3	2	0	-2	-100.0	-100.0
<i>Primary</i>	<i>1,008</i>	<i>1,020</i>	<i>993</i>	<i>988</i>	<i>990</i>	<i>971</i>	<i>958</i>	<i>944</i>	<i>956</i>	<i>951</i>	<i>975</i>	<i>24</i>	<i>2.5</i>	<i>-0.3</i>
Food Product Manufacturing	12	13	16	14	15	14	14	14	15	15	13	-2	-13.3	0.8
Beverage and Tobacco Product Manufacturing	17	21	24	24	24	29	30	30	33	31	33	2	6.5	6.9
Textile Leather Clothing and Footwear Manufacturing	2	4	4	4	5	7	8	5	6	6	0	-6	-100.0	-100.0
Wood Product Manufacturing	17	18	17	20	17	16	16	15	16	17	16	-1	-5.9	-0.6
Pulp Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1	1	1	1	1	0	-1	-100.0	-100.0
Printing	2	2	2	2	2	2	2	3	3	2	8	6	300.0	14.9
Petroleum and Coal Product Manufacturing	1	1	1	1	1	1	1	1	1	1	0	-1	-100.0	-100.0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0	1	2	2	2	0	-2	-100.0	na
Polymer Product and Rubber Product Manufacturing	3	3	2	2	2	2	3	4	4	5	0	-5	-100.0	-100.0
Non-Metallic Mineral Product Manufacturing	8	10	10	14	14	14	12	11	12	12	8	-4	-33.3	0.0
Primary Metal and Metal Product Manufacturing	1	1	1	1	1	1	1	0	0	0	0	0	na	-100.0
Fabricated Metal Product Manufacturing	9	13	15	14	12	13	14	16	17	19	21	2	10.5	8.8
Transport Equipment Manufacturing	4	4	4	4	3	6	7	6	4	7	1	-6	-85.7	-12.9
Machinery and Equipment Manufacturing	17	14	13	15	19	19	14	15	13	17	17	0	0.0	0.0
Furniture and Other Manufacturing	5	7	8	10	11	9	8	9	8	9	7	-2	-22.2	3.4
<i>Manufacturing</i>	<i>99</i>	<i>112</i>	<i>118</i>	<i>126</i>	<i>127</i>	<i>134</i>	<i>132</i>	<i>132</i>	<i>135</i>	<i>144</i>	<i>124</i>	<i>-20</i>	<i>-13.9</i>	<i>2.3</i>
Building Construction	117	121	116	148	149	133	130	125	124	128	129	1	0.8	1.0
Heavy and Civil Engineering Construction	27	29	28	27	26	25	27	25	25	26	27	1	3.8	0.0
Construction Services	173	198	212	240	235	235	227	206	205	222	216	-6	-2.7	2.2
<i>Construction</i>	<i>317</i>	<i>348</i>	<i>356</i>	<i>415</i>	<i>410</i>	<i>393</i>	<i>384</i>	<i>356</i>	<i>354</i>	<i>376</i>	<i>372</i>	<i>-4</i>	<i>-1.1</i>	<i>1.6</i>
Basic Material Wholesaling	19	23	31	29	30	35	38	37	37	40	43	3	7.5	8.5
Machinery and Equipment Wholesaling	17	16	14	18	18	17	17	17	18	18	19	1	5.6	1.1
Motor Vehicle and Motor Vehicle Parts Wholesaling	9	8	7	5	5	6	7	7	5	5	2	-3	-60.0	-14.0
Grocery Liquor and Tobacco Product Wholesaling	16	13	14	14	14	16	18	20	22	21	17	-4	-19.0	0.6
Other Goods Wholesaling	8	6	8	9	7	12	11	12	13	13	13	0	0.0	5.0
Commission-Based Wholesaling	8	9	9	8	8	7	7	6	7	6	6	0	0.0	-2.8
Road Transport	38	44	37	39	44	40	41	40	42	41	45	4	9.8	1.7
Rail Transport	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Transport	1	1	1	0	0	0	0	0	0	0	0	0	na	-100.0
Air and Space Transport	1	0	1	3	2	2	1	3	2	2	0	-2	-100.0	-100.0
Other Transport	3	7	8	7	7	7	6	8	6	7	9	2	28.6	11.6
Postal and Courier Pick-up and Delivery Services	27	26	29	30	34	31	31	33	32	26	27	1	3.8	0.0
Transport Support Services	3	3	2	2	3	1	4	5	4	4	7	3	75.0	8.8
Warehousing and Storage Services	4	5	7	7	6	5	4	3	4	5	6	1	20.0	4.1
<i>Wholesale and Distribution</i>	<i>154</i>	<i>161</i>	<i>168</i>	<i>171</i>	<i>178</i>	<i>179</i>	<i>185</i>	<i>191</i>	<i>192</i>	<i>188</i>	<i>194</i>	<i>6</i>	<i>3.2</i>	<i>2.3</i>
Motor Vehicle and Motor Vehicle Parts Retailing	15	16	17	16	15	18	18	19	17	16	18	2	12.5	1.8
Fuel Retailing	10	10	9	8	9	9	10	10	10	10	12	2	20.0	1.8
Food Retailing	34	34	31	32	35	33	35	36	39	37	45	8	21.6	2.8
Other Store-Based Retailing	88	95	102	107	109	109	110	111	103	99	94	-5	-5.1	0.7
Non-Store Retailing and Retail Commission Based Buying and/or Selling	6	7	8	4	6	7	6	6	5	6	6	0	0.0	0.0
Accommodation	50	56	57	57	63	65	65	66	69	67	69	2	3.0	3.3
Food and Beverage Services	78	81	81	82	88	80	82	83	79	81	90	9	11.1	1.4
Repair and Maintenance	47	51	59	61	59	54	50	50	49	48	51	3	6.3	0.8
Personal and Other Services	49	47	47	48	52	55	57	58	60	64	80	16	25.0	5.0
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Retail Trade and Services</i>	<i>377</i>	<i>397</i>	<i>411</i>	<i>415</i>	<i>436</i>	<i>430</i>	<i>433</i>	<i>439</i>	<i>431</i>	<i>428</i>	<i>465</i>	<i>37</i>	<i>8.6</i>	<i>2.1</i>
Electricity Supply	4	4	4	4	4	4	4	4	4	6	6	0	0.0	4.1
Gas Supply	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Water Supply Sewerage and Drainage Services	1	2	4	4	8	6	8	7	7	7	9	2	28.6	24.6
Waste Collection Treatment and Disposal Services	4	4	4	4	4	4	5	6	5	4	9	5	125.0	8.4
Publishing (except Internet and Music Publishing)	2	2	2	2	3	4	5	5	7	5	5	0	0.0	9.6
Motion Picture and Sound Recording Activities	2	3	3	1	1	3	2	1	3	2	0	-2	-100.0	-100.0
Broadcasting (except Internet)	4	3	3	3	3	2	2	3	1	2	1	-1	-50.0	-12.9
Internet Publishing and Broadcasting	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Telecommunications Services	0	0	0	0	0	0	1	1	1	2	0	-2	-100.0	na
Internet Service Providers Web Search Portals and Data Processing Services	1	1	2	2	1	0	0	0	1	1	0	-1	-100.0	-100.0
Library and Other Information Services	3	3	3	3	3	3	3	3	3	3	2	-1	-33.3	-4.0
Finance	42	60	73	86	99	100	110	126	133	149	192	43	28.9	16.4
Insurance and Superannuation Funds	3	3	2	2	2	2	2	2	2	2	1	-1	-50.0	-10.4
Auxiliary Finance and Insurance Services	18	19	23	24	19	21	22	25	22	19	21	2	10.5	1.6
Rental and Hiring Services (except Real Estate)	30	27	28	30	29	31	32	29	29	33	35	2	6.1	1.6
Property Operators and Real Estate Services	453	446	471	519	531	527	542	541	570	581	576	-5	-0.9	2.4
Professional Scientific and Technical Services (exc Comp Sys Dsn & related)	100	120	123	137	142	155	157	153	162	168	162	-6	-3.6	4.9
Computer System Design and Related Services	6	5	7	9	11	7	8	9	12	13	15	2	15.4	9.6
Administrative Services	40	46	43	47	44	48	47	39	45	44	47	3	6.8	1.6
Building Cleaning Pest Control and Other Support Services	25	30	32	29	31	30	29	28	26	26	30	4	15.4	1.8
<i>Business Services</i>	<i>738</i>	<i>778</i>	<i>827</i>	<i>906</i>	<i>935</i>	<i>947</i>	<i>979</i>	<i>982</i>	<i>1,033</i>	<i>1,067</i>	<i>1,111</i>	<i>44</i>	<i>4.1</i>	<i>4.2</i>
Heritage Activities	9	10	10	9	10	8	9	8	7	7	7	0	0.0	-2.5
Artistic Activities	5	6	6	9	7	7	7	8	9	10	12	2	20.0	9.1
Sport and Recreation Activities	44	47	54	51	57	53	53	57	62	60	69	9	15.0	4.6
Gambling Activities	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Arts and Recreation Services</i>	<i>58</i>	<i>63</i>	<i>70</i>	<i>69</i>	<i>74</i>	<i>68</i>	<i>69</i>	<i>73</i>	<i>78</i>	<i>77</i>	<i>88</i>	<i>11</i>	<i>14.3</i>	<i>4.3</i>
Public Administration	9	9	9	10	10	10	10	10	10	10	9	-1	-10.0	0.0
Defence	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Public Order Safety and Regulatory Services	21	23	23	22	23	21	21	21	21	21	11	-10	-47.6	-6.3
Preschool and School Education	28	27	28	31	32	32	32	33	33	33	38	5	15.2	3.1
Tertiary Education	2	2	2	2	3	3	3	5	5	4	3	-1	-25.0	4.1
Adult Community and Other Education	10	12	11	11	10	9	7	10	10	12	6	-6	-50.0	-5.0
Hospitals	3	3	2	2	2	2	2	2	2	2	2	0	0.0	-4.0
Medical and Other Health Care Services	53	52	56	62	64	63	68	65	64	73	9	14.1	3.3	3.3
Residential Care Services	5	5	5	5	5	5	6	6	6	5	5	0	0.0	0.0
Social Assistance Services	7	10	9	7	9	10	8	8	9	10	9	-1	-10.0	2.5
<i>Social Services</i>	<i>138</i>	<i>143</i>	<i>145</i>	<i>152</i>	<i>158</i>	<i>155</i>	<i>157</i>	<i>163</i>	<i>161</i>	<i>161</i>	<i>156</i>	<i>-5</i>	<i>-3.1</i>	<i>1.2</i>
TOTAL ALL INDUSTRIES	2,889	3,022	3,088	3,242	3,308	3,277	3,297	3,280	3,340	3,392	3,485	93	2.7	1.9

3.4 Detailed Tables – Otago Region

Employment (FTEs) for Otago Regional Council	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pts
																	Number	%	
Agriculture	7,195	6,848	7,450	7,578	7,301	7,137	6,896	7,351	7,478	7,407	7,422	7,982	8,177	8,091	7,539	7,860	320	4.2	1.0
Aquaculture	0	3	6	6	3	3	0	0	3	3	0	10	10	10	20	19	-1	-6.2	19.7
Forestry and Logging	201	236	260	264	264	255	232	250	259	188	221	258	245	213	214	244	31	14.3	-0.4
Fishing Hunting and Trapping	20	28	42	48	56	36	37	29	37	45	28	35	38	48	54	50	-4	-6.9	3.2
Agriculture Forestry and Fishing Support Services	1,080	1,256	1,403	1,514	1,407	1,585	1,666	1,660	1,511	1,588	1,706	1,731	1,766	1,941	1,877	2,095	218	11.6	2.8
Coal Mining	15	12	13	15	15	16	16	12	12	13	17	13	17	13	13	9	-4	-33.8	-5.5
Oil and Gas Extraction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
Metal Ore Mining	147	132	150	260	223	259	240	279	308	345	392	537	533	547	469	407	-62	-13.1	4.6
Non-Metallic Mineral Mining and Quarrying	160	167	154	153	127	149	162	150	135	131	152	147	141	150	136	129	-8	-5.5	-1.5
Exploration and Other Mining Support Services	3	0	0	0	3	22	0	55	89	92	109	13	10	47	7	2	-4	66.9	-20.5
Primary	8,821	8,683	9,478	9,838	9,398	9,462	9,250	9,787	9,832	9,812	10,045	10,727	10,937	11,060	10,328	10,814	486	4.7	1.3
Food Product Manufacturing	4,905	5,365	5,965	5,892	5,887	5,539	5,333	5,225	4,805	5,151	5,222	3,933	4,116	4,146	4,087	4,056	-31	-0.8	-3.1
Beverage and Tobacco Product Manufacturing	147	143	225	240	302	284	379	327	326	426	355	367	401	412	471	371	-100	-21.2	2.7
Textile Leather Clothing and Footwear Manufacturing	1,306	1,169	1,244	1,096	1,170	929	959	911	827	734	565	581	529	430	268	289	20	7.5	-11.0
Wood Product Manufacturing	851	901	1,000	941	851	965	913	966	895	894	712	717	742	704	759	609	-150	-19.7	-4.5
Pulp Paper and Converted Paper Product Manufacturing	60	65	73	80	74	78	75	89	71	59	51	49	30	27	29	32	3	9.8	-8.5
Printing	508	525	527	509	560	578	526	481	454	328	351	372	350	311	311	277	-34	-10.9	-7.1
Petroleum and Coal Product Manufacturing	3	6	3	3	3	3	3	60	68	62	64	61	65	65	17	37	21	125.1	28.2
Basic Chemical and Chemical Product Manufacturing	158	108	142	160	198	189	139	93	86	118	106	113	119	153	180	186	6	3.6	0.2
Polymer Product and Rubber Product Manufacturing	135	146	167	173	187	120	119	121	126	122	112	120	102	119	98	69	-29	-29.7	-5.3
Non-Metallic Mineral Product Manufacturing	153	180	198	192	236	264	291	304	334	337	304	220	218	226	281	282	1	0.2	0.6
Primary Metal and Metal Product Manufacturing	212	178	187	199	175	174	181	187	186	192	103	110	150	164	155	158	3	2.1	0.9
Fabricated Metal Product Manufacturing	481	460	557	589	721	758	780	822	838	817	776	835	837	868	942	973	31	3.3	2.5
Transport Equipment Manufacturing	298	331	397	337	379	334	342	314	336	337	406	404	292	339	330	342	12	3.7	0.2
Machinery and Equipment Manufacturing	1,094	1,063	1,193	1,180	1,229	1,256	1,208	1,166	1,117	690	696	670	692	651	679	691	12	1.8	-5.8
Furniture and Other Manufacturing	190	180	196	193	209	241	249	259	262	259	250	258	236	216	225	240	15	6.7	0.0
Manufacturing	10,502	10,821	12,074	11,783	12,180	11,714	11,498	11,325	10,732	10,527	10,074	8,810	8,880	8,831	8,833	8,614	-219	-2.5	-3.0
Building Construction	1,439	1,574	1,429	1,751	2,181	2,407	2,510	2,760	2,848	2,747	2,665	2,264	2,163	2,244	2,580	2,944	364	14.1	2.0
Heavy and Civil Engineering Construction	1,414	1,522	1,723	1,888	2,179	2,167	2,321	2,379	2,387	2,494	2,335	2,396	2,390	2,150	2,437	2,571	134	5.5	1.7
Construction Services	2,755	2,893	2,933	3,185	3,731	4,116	4,672	4,924	4,923	5,182	5,034	4,749	4,586	4,279	4,635	5,408	773	16.7	2.8
Construction	5,609	5,989	6,085	6,825	8,091	8,689	9,504	10,063	10,158	10,422	10,035	9,408	9,140	8,674	9,652	10,923	1,271	13.2	2.3
Basic Material Wholesaling	655	635	723	717	739	715	783	835	716	818	842	752	748	698	844	742	-102	-12.0	0.4
Machinery and Equipment Wholesaling	560	558	576	581	615	713	776	784	747	799	740	745	869	994	935	925	-10	-1.0	2.6
Motor Vehicle and Motor Vehicle Parts Wholesaling	113	122	134	140	152	157	163	170	166	167	154	168	173	161	152	164	11	7.5	0.4
Grocery Liquor and Tobacco Product Wholesaling	677	673	806	775	706	786	789	815	848	1,042	840	935	978	1,005	1,040	1,036	-3	-0.3	2.8
Other Goods Wholesaling	317	341	332	294	274	255	278	278	342	373	355	367	343	416	366	433	67	18.4	5.4
Commission Based Wholesaling	85	79	75	85	80	64	71	72	66	71	48	43	50	48	27	26	0	0.7	-8.5
Road Transport	1,326	1,318	1,530	1,538	1,566	1,616	1,649	1,593	1,636	1,638	1,732	1,689	1,715	1,788	1,777	1,844	67	3.8	1.3
Rail Transport	128	69	70	65	64	51	43	46	47	47	51	53	63	54	56	56	0	0.7	1.0
Water Transport	0	0	27	21	7	5	10	12	9	12	8	10	21	12	10	11	1	10.3	9.0
Air and Space Transport	149	156	192	159	151	169	182	162	166	206	180	160	175	170	192	329	137	71.0	6.9
Other Transport	178	193	241	290	386	268	242	262	221	238	228	236	257	279	341	309	-32	-9.5	1.4
Postal and Courier Pick-up and Delivery Services	460	479	595	625	510	546	586	484	444	510	507	480	479	477	491	441	-50	-10.1	-2.1
Transport Support Services	324	361	394	407	432	466	472	533	549	567	586	629	640	625	681	688	7	1.0	4.0
Warehousing and Storage Services	128	246	247	246	288	290	215	50	57	65	68	86	76	76	82	82	1	0.6	-11.8
Wholesale and Distribution	5,101	5,231	5,941	5,942	5,970	6,104	6,259	6,097	6,014	6,543	6,339	6,354	6,586	6,804	6,995	7,088	94	1.3	1.5
Motor Vehicle and Motor Vehicle Parts Retailing	674	724	791	880	993	954	945	956	1,012	986	761	742	748	769	870	883	13	1.5	-0.8
Fuel Retailing	595	641	668	623	655	548	573	597	592	613	417	477	438	426	467	448	-19	-4.1	-2.0
Food Retailing	2,849	3,005	3,194	3,295	3,609	3,422	3,374	3,662	3,712	3,778	3,050	3,176	3,014	3,260	3,589	3,592	3	0.1	0.5
Other Store-Based Retailing	4,542	4,872	5,078	5,413	6,006	5,946	6,192	6,197	6,211	6,002	4,685	4,787	4,838	4,798	5,032	4,819	-213	-4.2	-2.1
Non-Store Retailing and Retail Commission Based Buying and/or Selling	92	70	63	75	70	57	51	39	36	37	29	33	45	53	44	56	11	25.9	-0.3
Accommodation	2,525	2,591	2,939	3,109	3,335	3,145	3,330	3,408	3,306	3,251	3,347	3,682	4,136	3,741	3,802	4,081	279	7.4	2.6
Food and Beverage Services	3,112	3,263	3,736	3,760	3,909	4,334	4,652	4,893	4,654	4,636	4,687	4,781	4,963	5,302	5,625	5,632	6	0.1	2.7
Repair and Maintenance	953	950	1,057	1,082	1,003	1,126	805	829	944	1,081	1,277	1,218	1,246	1,222	1,274	1,286	12	0.9	1.3
Personal and Other Services	1,139	1,102	1,268	1,247	1,298	1,373	1,499	1,366	1,395	1,391	1,409	1,381	1,424	1,476	1,530	1,563	34	2.2	1.3
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0							

Real value added (GDP 2015\$m) for Otago Regional Council	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa	
																	Number	%		
Agriculture	601	613	619	634	732	723	723	775	638	751	759	700	847	863	788	847	59	7.5	1.6	
Aquaculture	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1.7	18.6	
Forestry and Logging	48	53	56	59	65	68	65	74	80	60	71	84	79	75	77	92	15	19.9	3.0	
Fishing Hunting and Trapping	2	3	3	4	4	3	3	2	3	3	2	2	3	3	4	4	0	1.0	2.3	
Agriculture Forestry and Fishing Support Services	108	120	115	124	114	129	131	133	131	105	105	107	128	137	129	156	27	21.0	1.9	
Coal Mining	7	5	5	6	5	5	4	3	3	3	3	3	3	2	2	2	-1	-25.3	-8.8	
Oil and Gas Extraction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na	
Metal Ore Mining	65	59	56	102	80	75	64	72	69	73	81	102	80	86	85	83	-2	-2.0	1.0	
Non-Metallic Mineral Mining and Quarrying	71	75	57	60	45	43	43	39	31	28	31	28	21	24	25	26	2	6.5	-4.9	
Exploration and Other Mining Support Services	1	0	0	0	1	6	0	14	20	19	22	3	2	7	1	0	-1	-62.7	-23.2	
<i>Primary</i>	<i>903</i>	<i>928</i>	<i>911</i>	<i>988</i>	<i>1,047</i>	<i>1,053</i>	<i>1,033</i>	<i>1,113</i>	<i>975</i>	<i>1,041</i>	<i>1,074</i>	<i>1,030</i>	<i>1,163</i>	<i>1,198</i>	<i>1,111</i>	<i>1,211</i>	<i>100</i>	<i>9.0</i>	<i>1.4</i>	
Food Product Manufacturing	490	548	549	674	705	650	648	627	597	621	608	462	479	497	492	482	-10	-2.0	-2.9	
Beverage and Tobacco Product Manufacturing	15	15	21	27	36	33	46	39	41	51	41	43	47	49	57	44	-13	-22.2	2.8	
Textile Leather Clothing and Footwear Manufacturing	80	69	65	63	67	55	59	64	60	57	42	46	39	36	23	24	1	4.1	-7.8	
Wood Product Manufacturing	76	85	86	88	82	94	93	100	99	98	84	85	88	81	87	71	-16	-18.2	-2.8	
Pulp Paper and Converted Paper Product Manufacturing	5	6	6	7	7	8	8	9	8	6	6	6	4	3	3	4	0	11.9	-6.8	
Printing	18	21	19	19	21	22	21	19	19	14	15	15	16	13	12	11	-1	-8.5	-6.7	
Petroleum and Coal Product Manufacturing	1	1	1	1	1	1	1	13	16	15	15	15	16	16	4	9	5	130.7	29.1	
Basic Chemical and Chemical Product Manufacturing	36	27	32	36	42	42	30	20	21	29	25	28	28	37	41	44	3	6.2	0.5	
Polymer Product and Rubber Product Manufacturing	31	36	38	39	40	26	26	26	30	30	27	30	24	29	23	16	-6	-27.9	4.7	
Non-Metallic Mineral Product Manufacturing	22	28	29	31	42	45	48	52	58	54	43	33	32	36	46	50	4	7.7	1.0	
Primary Metal and Metal Product Manufacturing	31	27	27	32	30	28	29	29	28	25	12	13	18	20	19	19	0	2.2	-3.8	
Fabricated Metal Product Manufacturing	71	71	82	95	123	122	124	127	125	104	89	99	100	104	113	116	4	3.3	-0.4	
Transport Equipment Manufacturing	34	41	44	39	46	42	43	39	44	40	47	51	36	42	41	44	3	7.1	0.6	
Machinery and Equipment Manufacturing	127	132	133	137	149	156	151	143	146	82	81	84	84	80	84	89	4	5.1	-5.5	
Furniture and Other Manufacturing	16	14	14	16	17	20	21	22	23	21	21	21	21	19	21	23	2	7.2	1.4	
<i>Manufacturing</i>	<i>1,054</i>	<i>1,121</i>	<i>1,147</i>	<i>1,305</i>	<i>1,410</i>	<i>1,342</i>	<i>1,347</i>	<i>1,330</i>	<i>1,314</i>	<i>1,248</i>	<i>1,156</i>	<i>1,033</i>	<i>1,030</i>	<i>1,062</i>	<i>1,066</i>	<i>1,046</i>	<i>-20</i>	<i>-1.9</i>	<i>-2.5</i>	
Building Construction	122	121	118	148	176	196	200	208	242	210	208	173	172	201	238	267	29	12.0	3.2	
Heavy and Civil Engineering Construction	120	117	142	159	176	176	185	179	203	190	182	183	190	192	225	233	8	3.6	2.8	
Construction Services	233	223	242	269	301	335	372	370	418	396	393	363	364	383	428	490	62	14.6	3.9	
<i>Construction</i>	<i>475</i>	<i>462</i>	<i>502</i>	<i>576</i>	<i>653</i>	<i>706</i>	<i>756</i>	<i>757</i>	<i>862</i>	<i>796</i>	<i>782</i>	<i>718</i>	<i>726</i>	<i>776</i>	<i>891</i>	<i>990</i>	<i>99</i>	<i>11.1</i>	<i>3.4</i>	
Basic Material Wholesaling	74	76	84	80	83	83	93	102	89	98	94	88	88	84	103	92	-11	-10.4	1.0	
Machinery and Equipment Wholesaling	63	67	67	65	69	83	92	96	93	96	83	87	102	120	114	115	1	0.8	3.3	
Motor Vehicle and Motor Vehicle Parts Wholesaling	13	15	16	16	17	18	19	21	21	20	17	20	20	19	19	20	2	9.4	1.0	
Grocery Liquor and Tobacco Product Wholesaling	76	81	94	87	79	92	94	100	106	125	94	109	115	121	127	128	2	1.5	3.4	
Other Goods Wholesaling	36	41	39	33	31	30	33	34	43	45	40	43	40	50	45	54	9	20.6	6.1	
Commission-Based Wholesaling	10	10	9	9	9	7	8	9	8	9	5	5	6	6	3	3	0	1.1	-7.9	
Road Transport	133	147	161	171	185	195	197	194	207	203	213	221	224	239	229	240	10	4.5	2.1	
Rail Transport	13	8	7	7	8	6	5	6	6	6	6	7	8	7	7	7	0	0.0	1.7	
Water Transport	0	0	3	2	1	1	1	1	1	1	1	1	3	2	1	1	0	11.1	9.8	
Air and Space Transport	15	17	20	18	18	20	22	20	21	26	22	21	23	23	25	43	18	72.3	7.6	
Other Transport	18	22	25	32	46	32	29	32	28	30	28	31	34	37	44	40	-4	-8.8	2.2	
Postal and Courier Pick-up and Delivery Services	46	53	63	69	60	66	70	59	56	63	62	63	63	64	63	57	-6	-9.4	-1.4	
Transport Support Services	33	40	41	45	51	56	57	65	69	70	72	82	84	84	88	89	2	1.8	4.7	
Warehousing and Storage Services	13	27	26	27	34	35	26	6	7	8	8	11	10	10	11	11	0	1.4	-11.2	
<i>Wholesale and Distribution</i>	<i>541</i>	<i>603</i>	<i>654</i>	<i>663</i>	<i>690</i>	<i>726</i>	<i>747</i>	<i>746</i>	<i>756</i>	<i>798</i>	<i>747</i>	<i>788</i>	<i>819</i>	<i>865</i>	<i>878</i>	<i>901</i>	<i>23</i>	<i>2.7</i>	<i>2.2</i>	
Motor Vehicle and Motor Vehicle Parts Retailing	28	29	32	37	41	43	44	45	48	46	47	45	48	51	55	59	4	7.4	3.2	
Fuel Retailing	24	26	27	26	27	25	26	28	28	25	29	28	28	30	30	30	0	1.6	1.9	
Food Retailing	116	121	131	137	148	155	156	171	177	175	186	192	194	216	228	242	14	6.0	4.5	
Other Store-Based Retailing	186	195	208	225	246	270	286	289	297	279	286	290	312	318	320	325	5	1.4	1.9	
Non-Store Retailing and Retail Commission Based Buying and/or Selling	4	3	3	3	3	3	2	2	2	2	2	2	3	3	3	4	1	33.4	3.7	
Accommodation	129	134	138	152	157	154	157	165	163	154	157	176	196	175	180	208	28	15.9	3.1	
Food and Beverage Services	159	168	176	183	184	212	220	237	229	220	220	228	235	248	266	287	21	8.0	3.1	
Repair and Maintenance	45	45	65	58	59	64	48	47	56	61	68	63	65	64	67	68	0	0.5	0.5	
Personal and Other Services	54	53	78	67	76	78	89	78	82	79	75	72	75	78	81	82	1	1.8	0.5	
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na	
<i>Retail Trade and Services</i>	<i>746</i>	<i>774</i>	<i>858</i>	<i>887</i>	<i>942</i>	<i>1,005</i>	<i>1,029</i>	<i>1,061</i>	<i>1,083</i>	<i>1,044</i>	<i>1,065</i>	<i>1,097</i>	<i>1,157</i>	<i>1,183</i>	<i>1,230</i>	<i>1,305</i>	<i>75</i>	<i>6.1</i>	<i>2.7</i>	
Electricity Supply	264	224	90	125	102	137	149	129	140	169	168	157	166	166	187	179	-8	-4.3	2.7	
Gas Supply	0	0	2	2	2	10	8	12	9	11	16	12	17	12	16	21	5	30.4	7.6	
Water Supply Sewerage and Drainage Services	76	80	76	75	78	72	69	66	64	64	62	64	58	55	57	60	3	4.5	-1.9	
Waste Collection Treatment and Disposal Services	43	58	63	83	93	91	106	106	94	111	85	88	103	96	89	100	11	12.8	0.9	
Publishing (except Internet and Music Publishing)	29	30	29	28	30	40	38	38	36	41	34	34	33	31	34	31	-3	-7.8	-2.4	
Motion Picture and Sound Recording Activities	17	17	20	22	25	27	26	23	22	17	17	16	18	18	14	13	-2	-11.1	-7.4	
Broadcasting (except Internet)	20	18	19	17	19	18	18	16	17	13	13	13	13	13	10	13	2	24.0	-3.3	
Internet Publishing and Broadcasting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.7	na	
Telecommunications Services	29	28	23	29	27	24	15	18	24	25	39	47	41	33	29	24	-5	-16.4	-0.2	
Internet Service Providers Web Search Portals and Data Processing Services	14	16	24	29	74	73	45	48	39	30	24	17	10	10	10	14	4	37.1	-15.1	
Library and Other Information Services	10	9	5	10	9	11	12	11	11	11	10	10	9	9	10	10	1	5.3	-0.3	
Finance	110	122	185	197	229	151	172	193	204	210	206	190	190	178	203	200	-4	-1.8	2.8	
Insurance and Superannuation Funds	26	25	21	18	17	21	21	20	20	20	26	22	25	15	14	9	-4	-30.4	-7.6	
Auxiliary Finance and Insurance Services	50	60	64	62	70	82	76	88	104	103	101	102	101	108	112	107	-5	-4.6	2.8	
Rental and Hiring Services (except Real Estate)	114	96	103	95	115	144	148	155	164	155	170	171	199	194	196	208	13	6.4	3.8	
Property Operators and Real Estate Services	65	77	81	86	96	105	96	103	110	110	117	107	105	131	124	122	-2	-1.3	1.5	
Professional Scientific and Technical Services (exc Comp Sys Dsn & related)	314	290	340	359	394	367	405	428	467	465	476	481	478	473	491	494	2	0.5	3.0	
Computer System Design and Related Services	11	15	17	18	19	20	21	25	30	27	27	31	28							

Activity units for Otago Regional Council	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
												Number	%	
Agriculture	4,201	4,211	4,142	4,030	3,968	3,951	3,847	3,867	3,785	3,748	3,849	101	2.7	-0.9
Aquaculture	6	7	7	7	5	5	6	8	7	8	4	-4	-50.0	-4.0
Forestry and Logging	392	377	381	406	384	367	372	361	348	344	342	-2	-0.6	-1.4
Fishing Hunting and Trapping	106	95	94	92	90	89	90	87	84	85	94	9	10.6	-1.2
Agriculture Forestry and Fishing Support Services	456	467	455	433	442	444	409	436	453	455	471	16	3.5	0.3
Coal Mining	1	1	1	1	1	2	1	1	1	1	3	2	200.0	11.6
Oil and Gas Extraction	0	0	0	0	0	0	0	1	0	0	0	0	na	na
Metal Ore Mining	7	6	6	8	8	8	8	8	12	12	24	12	100.0	13.1
Non-Metallic Mineral Mining and Quarrying	22	30	28	28	27	29	28	28	30	29	26	-3	-10.3	1.7
Exploration and Other Mining Support Services	4	4	8	8	8	5	8	11	14	13	7	-6	-46.2	5.8
<i>Primary</i>	<i>5,195</i>	<i>5,198</i>	<i>5,122</i>	<i>5,013</i>	<i>4,933</i>	<i>4,900</i>	<i>4,769</i>	<i>4,808</i>	<i>4,734</i>	<i>4,695</i>	<i>4,820</i>	<i>125</i>	<i>2.7</i>	<i>-0.7</i>
Food Product Manufacturing	128	122	126	120	116	118	119	125	130	135	135	0	0.0	0.5
Beverage and Tobacco Product Manufacturing	36	41	46	49	52	56	58	57	68	71	69	-2	-2.8	6.7
Textile Leather Clothing and Footwear Manufacturing	84	83	82	71	67	70	69	61	64	61	49	-12	-19.7	-5.2
Wood Product Manufacturing	125	127	122	125	115	113	109	107	110	108	93	-15	-13.9	-2.9
Pulp Paper and Converted Paper Product Manufacturing	5	4	5	4	4	3	3	4	4	5	1	-4	-80.0	-14.9
Printing	46	50	54	47	41	43	44	43	47	42	47	5	11.9	0.2
Petroleum and Coal Product Manufacturing	3	2	5	4	4	3	3	3	3	3	2	-1	-33.3	-4.0
Basic Chemical and Chemical Product Manufacturing	19	18	18	17	17	16	19	21	23	25	28	3	12.0	4.0
Polymer Product and Rubber Product Manufacturing	21	20	18	18	19	18	21	20	19	21	20	-1	-4.8	-0.5
Non-Metallic Mineral Product Manufacturing	50	55	57	60	56	56	51	49	52	52	48	-4	-7.7	-0.4
Primary Metal and Metal Product Manufacturing	9	9	11	13	14	14	13	12	12	11	14	3	27.3	4.5
Fabricated Metal Product Manufacturing	133	140	138	133	122	124	128	130	130	132	137	5	3.8	0.3
Transport Equipment Manufacturing	58	61	60	64	69	72	72	69	61	60	59	-1	-1.7	0.2
Machinery and Equipment Manufacturing	128	126	133	135	144	138	132	135	134	146	155	9	6.2	1.9
Furniture and Other Manufacturing	94	93	87	86	81	79	80	72	74	77	85	8	10.4	-1.0
<i>Manufacturing</i>	<i>939</i>	<i>951</i>	<i>962</i>	<i>946</i>	<i>921</i>	<i>923</i>	<i>921</i>	<i>908</i>	<i>931</i>	<i>949</i>	<i>942</i>	<i>-7</i>	<i>-0.7</i>	<i>0.0</i>
Building Construction	891	989	1,070	1,158	1,162	1,103	1,050	1,025	1,025	1,063	1,128	65	6.1	2.4
Heavy and Civil Engineering Construction	98	106	114	114	103	101	98	100	97	104	114	10	9.6	1.5
Construction Services	1,498	1,630	1,660	1,779	1,782	1,725	1,695	1,647	1,660	1,720	1,770	50	2.9	1.7
<i>Construction</i>	<i>2,487</i>	<i>2,725</i>	<i>2,844</i>	<i>3,051</i>	<i>3,047</i>	<i>2,929</i>	<i>2,843</i>	<i>2,772</i>	<i>2,782</i>	<i>2,887</i>	<i>3,012</i>	<i>125</i>	<i>4.3</i>	<i>1.9</i>
Basic Material Wholesaling	160	176	185	189	199	193	197	193	194	192	202	10	5.2	2.4
Machinery and Equipment Wholesaling	171	166	167	174	174	172	168	170	182	184	202	18	9.8	1.7
Motor Vehicle and Motor Vehicle Parts Wholesaling	77	81	76	71	65	63	63	65	60	57	48	-9	-15.8	-4.6
Grocery Liquor and Tobacco Product Wholesaling	97	95	106	109	108	104	99	107	107	107	96	-11	-10.3	-0.1
Other Goods Wholesaling	154	153	163	168	167	153	138	142	143	148	157	9	6.1	0.2
Commission-Based Wholesaling	51	51	44	43	38	27	27	28	27	22	30	8	36.4	-5.2
Road Transport	466	474	472	475	461	447	434	418	437	434	432	-2	-0.5	-0.8
Rail Transport	5	5	5	5	4	4	3	3	3	3	1	-2	-66.7	-14.9
Water Transport	5	6	7	6	6	9	8	7	7	6	3	-3	-50.0	-5.0
Air and Space Transport	37	38	42	42	41	44	35	36	34	36	39	3	8.3	0.5
Other Transport	69	70	66	61	62	59	64	70	69	75	87	12	16.0	2.3
Postal and Courier Pick-up and Delivery Services	184	177	171	180	197	182	187	183	183	177	177	0	0.0	-0.4
Transport Support Services	49	51	51	51	53	52	53	52	58	58	67	9	15.5	3.2
Warehousing and Storage Services	28	30	27	24	25	25	21	18	20	23	21	-2	-8.7	-2.8
<i>Wholesale and Distribution</i>	<i>1,553</i>	<i>1,573</i>	<i>1,582</i>	<i>1,598</i>	<i>1,600</i>	<i>1,534</i>	<i>1,497</i>	<i>1,492</i>	<i>1,524</i>	<i>1,522</i>	<i>1,562</i>	<i>40</i>	<i>2.6</i>	<i>0.1</i>
Motor Vehicle and Motor Vehicle Parts Retailing	143	144	136	145	144	138	143	147	149	146	150	4	2.7	0.5
Fuel Retailing	84	82	80	76	72	68	67	64	63	62	63	1	1.6	-2.8
Food Retailing	269	270	272	277	274	270	275	281	286	295	334	39	13.2	2.2
Other Store-Based Retailing	1,075	1,090	1,129	1,143	1,143	1,122	1,124	1,133	1,118	1,118	1,105	-13	-1.2	0.3
Non-Store Retailing and Retail Commission Based Buying and/or Selling	58	58	55	54	66	65	65	65	75	83	84	1	1.2	3.8
Accommodation	543	567	572	568	584	587	574	575	589	595	597	2	0.3	1.0
Food and Beverage Services	802	828	835	838	859	846	850	859	872	876	895	19	2.2	1.1
Repair and Maintenance	439	445	450	455	443	431	440	438	439	444	487	43	9.7	1.0
Personal and Other Services	565	578	578	586	590	599	602	603	614	638	668	30	4.7	1.7
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Retail Trade and Services</i>	<i>3,978</i>	<i>4,062</i>	<i>4,107</i>	<i>4,142</i>	<i>4,175</i>	<i>4,126</i>	<i>4,140</i>	<i>4,165</i>	<i>4,205</i>	<i>4,257</i>	<i>4,383</i>	<i>126</i>	<i>3.0</i>	<i>1.0</i>
Electricity Supply	17	15	16	16	17	19	17	20	20	23	15	-8	-34.8	-1.2
Gas Supply	1	1	1	2	2	2	2	3	4	4	3	-1	-25.0	11.6
Water Supply Sewerage and Drainage Services	8	6	12	13	18	17	20	19	17	19	28	9	47.4	13.3
Waste Collection Treatment and Disposal Services	38	38	37	38	40	40	39	41	43	41	51	10	24.4	3.0
Publishing (except Internet and Music Publishing)	36	39	36	35	40	45	45	48	47	45	43	-2	-4.4	1.8
Motion Picture and Sound Recording Activities	114	117	119	126	120	114	121	113	112	109	112	3	2.8	-0.2
Broadcasting (except Internet)	24	22	23	20	19	18	18	19	19	20	21	1	5.0	-1.3
Internet Publishing and Broadcasting	0	1	0	1	1	1	3	2	2	3	3	0	0.0	na
Telecommunications Services	11	9	10	10	10	11	12	11	11	12	7	-5	-41.7	-4.4
Internet Service Providers Web Search Portals and Data Processing Services	17	22	27	26	24	20	20	19	22	22	18	-4	-18.2	0.6
Library and Other Information Services	23	23	22	23	23	23	21	23	22	24	19	-5	-20.8	-1.9
Finance	638	781	947	1,052	1,130	1,177	1,188	1,250	1,319	1,457	1,673	216	14.8	10.1
Insurance and Superannuation Funds	40	42	36	37	38	40	40	42	42	43	32	-11	-25.6	-2.2
Auxiliary Finance and Insurance Services	195	209	218	227	220	230	221	226	202	204	225	21	10.3	1.4
Rental and Hiring Services (except Real Estate)	300	300	307	303	295	283	301	308	318	333	365	32	9.6	2.0
Property Operators and Real Estate Services	3,836	4,174	4,492	4,758	4,937	4,858	4,858	4,888	5,096	5,397	5,355	-42	-0.8	3.4
Professional Scientific and Technical Services (exc Comp Sys Dsn & related)	1,304	1,398	1,448	1,530	1,561	1,532	1,533	1,579	1,615	1,725	1,796	71	4.1	3.3
Computer System Design and Related Services	150	158	166	169	176	168	181	194	202	219	228	9	4.1	4.3
Administrative Services	360	416	403	410	438	427	410	408	440	476	476	0	0.0	2.8
Building Cleaning Pest Control and Other Support Services	259	263	279	280	305	290	292	292	297	307	329	22	7.2	2.4
<i>Business Services</i>	<i>7,371</i>	<i>8,034</i>	<i>8,599</i>	<i>9,076</i>	<i>9,414</i>	<i>9,315</i>	<i>9,342</i>	<i>9,505</i>	<i>9,850</i>	<i>10,483</i>	<i>10,799</i>	<i>316</i>	<i>3.0</i>	<i>3.9</i>
Heritage Activities	48	50	50	49	51	48	53	53	51	51	45	-6	-11.8	-0.6
Artistic Activities	113	126	128	154	142	131	126	120	126	131	139	8	6.1	2.1
Sport and Recreation Activities	431	440	448	469	476	476	474	480	487	499	521	22	4.4	1.9
Gambling Activities	19	16	12	11	10	10	10	12	11	9	11	2	22.2	-5.3
<i>Arts and Recreation Services</i>	<i>611</i>	<i>632</i>	<i>638</i>	<i>683</i>	<i>679</i>	<i>665</i>	<i>663</i>	<i>665</i>	<i>675</i>	<i>690</i>	<i>716</i>	<i>26</i>	<i>3.8</i>	<i>1.6</i>
Public Administration	84	84	86	83	83	82	81	82	80	80	63	-17	-21.3	-2.8
Defence	4	4	4	4	4	3	3	2	2	2	0	-2	-100.0	-100.0
Public Order Safety and Regulatory Services	162	163	163	167	170	163	163	158	157	158	129	-29	-18.4	-2.3
Preschool and School Education	286	289	286	294	293	299	295	296	293	297	299	2	0.7	0.4
Tertiary Education	32	30	31	30	33	39	38	47	40	38	38	0	0.0	1.7
Adult Community and Other Education	131	127	129	147	168	164	159	157	155	149	138	-11	-7.4	0.5
Hospitals	16	15	14	15	15	14	14	14	14	14	13	-1	-7.1	-2.1
Medical and Other Health Care Services	691	725	753	779	806	791	802	820	805	819	881	62	7.6	2.5
Residential Care Services	86	84	78	81	83	83	84	84	81	81	84	3	3.7	-0.2
Social Assistance Services	123	123	124	124	133	139	138	139	145	145	151	6	4.1	2.1
<i>Social Services</i>	<i>1,615</i>	<i>1,644</i>	<i>1,668</i>	<i>1,724</i>	<i>1,788</i>	<i>1,777</i>	<i>1,777</i>	<i>1,799</i>	<i>1,772</i>	<i>1,783</i>	<i>1,796</i>	<i>13</i>	<i>0.7</i>	<i>1.1</i>
TOTAL ALL INDUSTRIES	23,749	24,819	25,522	26,233	26,557	2								

3.5 Detailed tables – New Zealand



Employment (FTEs) for New Zealand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015
																	Number	%	
Agriculture	110,733	107,092	111,042	109,308	105,650	100,342	104,742	103,750	105,450	101,925	101,975	107,342	106,017	105,025	102,692	101,483	-1,208	-1.2	0.1
Aquaculture	705	666	821	767	757	739	738	685	696	844	701	762	742	922	733	694	-39	-5.4	-0.6
Forestry and Logging	4,557	5,133	5,767	5,851	4,918	4,384	4,210	4,226	4,186	3,831	4,218	4,590	4,754	4,680	4,861	4,605	-257	-5.3	0.5
Fishing Hunting and Trapping	1,678	1,828	2,001	1,656	1,542	1,267	1,264	1,155	1,270	1,509	1,556	1,561	1,398	1,571	1,534	1,441	-93	-6.1	1.3
Agriculture Forestry and Fishing Support Services	14,743	15,726	18,847	18,963	20,628	21,789	21,452	22,824	21,477	23,834	23,074	24,133	21,867	23,163	25,266	25,420	154	0.6	1.6
Coal Mining	681	669	818	889	793	1,036	1,054	1,068	1,153	1,379	1,413	1,371	2,171	1,783	1,386	1,111	-275	-19.8	0.7
Oil and Gas Extraction	460	351	465	573	541	542	564	481	543	598	686	568	679	823	937	968	31	3.3	6.0
Metal Ore Mining	470	419	437	504	448	497	517	609	672	839	894	1,095	1,383	1,428	1,306	1,325	19	1.5	10.3
Non-Metallic Mineral Mining and Quarrying	1,929	1,825	1,993	1,893	1,786	1,912	1,890	1,957	2,032	1,912	1,950	2,021	2,063	2,150	1,904	2,014	110	5.8	0.5
Exploration and Other Mining Support Services	203	390	528	441	543	776	1,193	1,273	1,554	1,648	1,781	1,788	1,266	1,395	1,386	954	-432	-31.2	2.1
Primary	136,160	134,099	142,720	140,845	137,607	133,283	137,626	138,029	139,034	138,317	138,249	145,232	142,340	142,940	142,005	140,015	-1,990	-1.4	0.5
Food Product Manufacturing	64,447	64,748	73,458	70,273	71,296	73,962	73,708	72,503	71,146	70,904	72,176	69,417	72,057	72,375	72,312	73,747	1,435	2.0	0.0
Beverage and Tobacco Product Manufacturing	4,885	5,222	5,683	5,803	6,130	6,388	6,472	6,014	6,023	6,622	6,442	6,341	6,428	6,858	7,189	7,029	-160	-2.2	1.0
Textile Leather Clothing and Footwear Manufacturing	20,152	18,971	20,179	19,126	17,839	17,682	16,623	15,084	14,235	12,788	11,893	11,430	10,830	10,273	9,566	9,773	-207	-2.2	-5.8
Wood Product Manufacturing	18,785	18,954	20,440	20,633	20,309	21,946	21,073	20,802	19,463	16,860	16,276	16,736	16,510	16,371	16,758	16,798	39	0.2	-2.6
Pulp Paper and Converted Paper Product Manufacturing	7,135	6,547	6,608	6,102	5,614	5,807	5,313	4,921	4,705	4,748	4,735	4,822	4,442	4,254	4,559	4,344	-216	-4.7	-2.9
Printing	10,237	9,743	10,541	10,680	10,709	11,383	11,243	10,635	10,377	9,628	9,239	9,297	9,267	8,583	8,293	8,137	-155	-1.9	-3.3
Petroleum and Coal Product Manufacturing	1,310	1,021	1,161	1,097	1,134	1,549	1,507	1,619	1,402	1,371	1,447	1,446	1,416	1,378	1,436	1,463	27	1.9	-0.6
Basic Chemical and Chemical Product Manufacturing	7,643	7,308	8,216	7,963	7,854	7,328	7,242	6,913	5,905	6,265	6,245	6,296	6,630	6,701	6,827	7,068	241	3.5	4.4
Polymer Product and Rubber Product Manufacturing	11,194	11,162	12,394	12,363	12,717	13,354	13,763	12,986	12,311	10,503	10,123	9,910	10,505	10,400	11,430	11,248	-182	-1.6	-1.7
Non-Metallic Mineral Product Manufacturing	6,331	5,857	6,328	6,253	6,116	7,078	7,314	7,253	7,636	7,447	7,245	6,839	6,926	6,960	7,502	7,749	247	3.3	0.9
Primary Metal and Metal Product Manufacturing	6,152	6,018	6,466	6,008	5,880	5,873	5,481	5,317	5,471	5,246	4,988	5,102	5,216	4,994	4,927	4,802	-125	-2.5	-2.0
Fabricated Metal Product Manufacturing	20,455	19,408	22,225	22,426	22,968	24,672	25,025	24,777	24,711	23,980	22,610	22,851	22,410	22,234	23,113	24,063	951	4.1	-0.2
Transport Equipment Manufacturing	11,716	11,827	13,606	13,567	13,451	14,000	13,920	13,015	13,551	13,447	12,534	12,570	12,492	11,668	11,626	11,723	97	0.8	-1.8
Machinery and Equipment Manufacturing	24,910	24,941	27,706	27,293	26,839	27,036	27,688	27,063	27,444	27,498	26,962	26,303	28,448	27,762	27,589	27,972	382	1.4	0.3
Furniture and Other Manufacturing	10,846	11,319	12,306	11,796	12,092	12,142	11,519	11,071	10,183	9,408	8,850	8,804	8,116	7,587	7,663	7,756	94	1.2	4.4
Manufacturing	226,198	223,045	247,318	241,403	240,948	250,199	247,889	239,973	234,561	226,715	221,767	218,164	221,692	218,408	220,790	223,673	2,883	1.3	-1.1
Building Construction	22,970	22,862	22,140	25,793	31,454	34,935	37,114	41,680	41,490	38,606	36,516	33,797	32,821	35,724	38,862	43,972	5,110	13.1	2.3
Heavy and Civil Engineering Construction	25,208	25,968	25,278	25,940	30,179	31,318	33,839	39,214	38,255	41,472	39,290	39,675	40,892	37,733	40,998	45,572	4,574	11.2	3.8
Construction Services	60,255	62,103	59,965	66,394	74,700	79,238	85,814	95,430	91,838	90,497	90,794	88,611	87,560	85,118	90,681	102,003	11,322	12.5	2.6
Construction	108,433	110,933	107,383	118,128	136,333	145,492	156,767	176,325	171,583	170,575	166,600	162,083	161,272	158,575	170,547	191,547	21,006	12.3	2.8
Basic Material Wholesaling	15,418	15,485	16,794	16,946	17,900	18,007	18,852	19,011	19,841	19,781	20,241	20,327	20,106	19,926	21,275	20,814	461	-2.2	1.5
Machinery and Equipment Wholesaling	25,053	25,288	27,025	26,141	26,901	29,249	29,771	29,266	29,611	30,638	29,657	30,043	31,818	32,454	32,002	32,129	127	0.4	0.9
Motor Vehicle and Motor Vehicle Parts Wholesaling	6,175	6,157	7,014	7,229	7,854	7,044	6,928	6,793	6,876	6,810	6,779	6,948	7,126	6,863	6,861	7,401	540	7.9	0.5
Grocery Liquor and Tobacco Product Wholesaling	15,112	14,831	17,122	16,272	15,937	17,802	18,799	18,662	19,096	19,431	20,168	22,216	22,752	22,279	22,915	23,068	153	0.7	2.6
Other Goods Wholesaling	22,178	23,213	25,324	23,500	22,553	23,494	23,974	22,898	23,771	22,297	22,339	22,486	22,478	22,204	22,035	22,267	232	1.1	-0.5
Commission-Based Wholesaling	2,105	2,154	2,496	2,580	2,568	2,655	2,649	2,813	2,930	2,807	2,808	2,735	2,872	2,920	2,697	2,971	274	10.1	1.1
Road Transport	25,065	25,373	29,689	29,559	29,356	31,850	32,115	32,219	32,877	33,165	32,709	33,747	33,832	34,525	36,180	36,926	746	2.1	1.5
Rail Transport	2,171	2,038	1,810	1,675	1,727	1,768	1,911	1,845	1,883	2,113	2,288	2,502	2,393	2,351	2,426	2,479	53	2.2	3.4
Water Transport	1,808	1,525	2,165	2,060	1,756	1,732	1,833	1,651	1,643	1,674	1,735	1,653	1,678	1,485	1,632	1,516	-115	-7.1	-1.3
Air and Space Transport	8,299	8,382	8,125	8,131	8,560	9,394	9,463	9,048	9,118	9,924	9,958	10,272	10,546	9,991	10,248	10,198	50	-0.5	0.8
Other Transport	1,572	1,574	1,795	1,968	2,059	1,605	1,422	1,666	1,559	1,604	1,709	1,721	1,848	1,898	2,147	2,326	179	8.3	3.8
Postal and Courier Pick-up and Delivery Services	20,784	15,556	17,346	16,248	13,206	13,746	14,948	12,117	12,825	11,813	11,376	10,636	11,152	10,362	10,485	10,203	-281	-2.7	-2.9
Transport Support Services	11,385	11,051	11,880	12,152	12,469	13,125	13,788	13,917	14,037	13,802	13,660	14,357	15,187	15,329	16,140	16,316	176	1.1	2.2
Warehousing and Storage Services	4,340	4,108	4,819	4,537	4,854	4,894	5,301	5,062	5,298	5,753	5,643	5,195	5,710	5,602	5,851	5,820	-31	-0.5	1.7
Wholesale and Distribution	161,465	157,134	173,405	168,998	167,701	176,365	181,755	176,968	181,364	181,610	181,070	184,838	189,498	188,189	192,893	194,436	1,542	0.8	1.0
Motor Vehicle and Motor Vehicle Parts Retailing	18,546	18,772	19,396	20,081															

Real value added (GDP 2015\$m) for New Zealand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	change 2014-2015		Change 2005 to 2015 %pa
																	Number	%	
Agriculture	9,253	9,581	9,225	9,146	10,594	10,168	10,975	10,932	8,992	10,331	10,422	9,413	10,984	11,196	10,733	10,937	204	1.9	0.7
Aquaculture	71	64	68	63	61	60	58	55	60	56	43	47	54	65	50	52	1	2.6	-1.5
Forestry and Logging	1,084	1,153	1,236	1,308	1,207	1,172	1,170	1,258	1,289	1,222	1,357	1,497	1,538	1,643	1,746	1,735	-11	-0.6	4.0
Fishing Hunting and Trapping	168	175	165	135	125	103	100	93	110	100	96	97	101	111	105	107	2	1.8	0.4
Agriculture Forestry and Fishing Support Services	1,480	1,506	1,550	1,547	1,670	1,772	1,690	1,834	1,866	1,574	1,416	1,495	1,587	1,633	1,730	1,887	157	9.1	0.6
Coal Mining	301	298	303	347	285	301	282	276	260	291	291	261	326	282	251	227	-24	-9.6	-2.8
Oil and Gas Extraction	1,940	1,970	1,868	1,944	1,714	1,763	1,795	1,826	3,663	3,657	3,733	3,589	3,102	3,203	3,246	3,307	62	1.9	6.5
Metal Ore Mining	208	187	162	197	161	144	139	157	152	177	184	209	208	226	236	270	34	14.5	6.5
Non-Metallic Mineral Mining and Quarrying	853	815	738	739	641	555	506	506	458	404	402	385	310	340	344	411	66	19.3	-3.0
Exploration and Other Mining Support Services	90	174	195	172	195	225	320	329	351	348	367	341	190	220	251	195	-56	-22.4	-1.4
<i>Primary</i>	15,448	15,924	15,508	15,598	16,654	16,262	17,035	17,265	17,201	18,159	18,311	17,335	18,400	18,918	18,693	19,128	435	2.3	1.6
Food Product Manufacturing	6,435	6,608	6,765	8,036	8,534	8,675	8,954	8,697	8,835	8,547	8,397	8,151	8,378	8,672	8,706	8,768	62	0.7	0.1
Beverage and Tobacco Product Manufacturing	488	533	523	664	734	749	786	721	748	798	749	744	747	822	866	836	-30	-3.4	1.1
Textile Leather Clothing and Footwear Manufacturing	1,241	1,117	1,057	1,102	1,026	1,048	1,027	1,060	1,038	991	876	899	789	857	833	824	-9	-1.1	-2.4
Wood Product Manufacturing	1,688	1,784	1,763	1,942	1,954	2,137	2,152	2,158	2,146	1,848	1,911	1,984	1,957	1,874	1,911	1,951	41	2.1	-0.9
Pulp Paper and Converted Paper Product Manufacturing	641	616	570	574	540	565	543	510	519	521	556	572	527	487	520	505	-15	-2.9	-1.1
Printing	367	384	385	401	410	437	440	410	440	424	398	385	425	365	324	326	3	0.8	-2.9
Petroleum and Coal Product Manufacturing	299	254	262	249	244	340	326	353	334	331	342	365	338	335	329	344	15	4.5	0.1
Basic Chemical and Chemical Product Manufacturing	1,745	1,819	1,852	1,807	1,690	1,608	1,565	1,508	1,407	1,511	1,477	1,591	1,583	1,626	1,565	1,661	96	6.1	0.3
Polymer Product and Rubber Product Manufacturing	2,556	2,778	2,794	2,805	2,736	2,930	2,975	2,833	2,933	2,534	2,395	2,504	2,508	2,524	2,620	2,644	23	0.9	-1.0
Non-Metallic Mineral Product Manufacturing	912	919	931	1,011	1,101	1,206	1,204	1,246	1,319	1,200	1,035	1,026	1,030	1,122	1,228	1,364	136	11.1	1.2
Primary Metal and Metal Product Manufacturing	910	927	947	965	1,004	942	872	822	819	670	575	607	621	600	590	575	-15	-2.5	-4.8
Fabricated Metal Product Manufacturing	3,027	2,990	3,254	3,602	3,923	3,956	3,984	3,831	3,698	3,062	2,604	2,719	2,670	2,674	2,767	2,881	114	4.1	-3.1
Transport Equipment Manufacturing	1,356	1,469	1,517	1,572	1,634	1,740	1,737	1,600	1,776	1,605	1,465	1,584	1,520	1,437	1,444	1,504	60	4.1	-1.4
Machinery and Equipment Manufacturing	2,882	3,097	3,089	3,163	3,260	3,360	3,454	3,326	3,597	3,283	3,151	3,315	3,461	3,420	3,426	3,588	161	4.7	0.7
Furniture and Other Manufacturing	901	900	890	956	989	1,003	987	955	886	766	729	728	710	671	726	739	12	1.7	-3.0
<i>Manufacturing</i>	25,448	26,197	26,599	28,848	29,777	30,696	31,005	30,031	30,494	28,090	26,658	27,173	27,264	27,486	27,855	28,509	654	2.3	-0.7
Building Construction	1,944	1,763	1,827	2,176	2,538	2,840	2,953	3,134	3,520	2,948	2,847	2,581	2,606	3,198	3,587	3,985	398	11.1	3.4
Heavy and Civil Engineering Construction	2,134	2,002	2,085	2,188	2,435	2,546	2,692	2,949	3,245	3,166	3,063	3,029	3,246	3,378	3,785	4,131	346	9.1	5.0
Construction Services	5,101	4,788	4,947	5,601	6,028	6,441	6,827	7,176	7,791	6,910	7,079	6,766	6,951	7,620	8,371	9,245	875	10.4	3.7
<i>Construction</i>	9,179	8,552	8,859	9,965	11,001	11,826	12,472	13,258	14,557	13,024	12,990	12,376	12,803	14,195	15,743	17,361	1,619	10.3	3.9
Basic Material Wholesaling	1,732	1,858	1,954	1,902	2,004	2,097	2,239	2,332	2,475	2,366	2,269	2,367	2,358	2,399	2,589	2,579	-10	-0.4	2.1
Machinery and Equipment Wholesaling	2,814	3,034	3,144	2,934	3,012	3,406	3,535	3,591	3,694	3,664	3,325	3,498	3,732	3,908	3,894	3,981	87	2.2	1.6
Motor Vehicle and Motor Vehicle Parts Wholesaling	694	739	816	811	879	820	823	833	858	814	760	809	836	826	835	917	82	9.8	1.1
Grocery Liquor and Tobacco Product Wholesaling	1,698	1,779	1,992	1,826	1,784	2,073	2,232	2,290	2,382	2,324	2,261	2,587	2,669	2,683	2,789	2,858	70	2.5	3.3
Other Goods Wholesaling	2,491	2,785	2,946	2,637	2,525	2,736	2,847	2,809	2,965	2,667	2,505	2,618	2,636	2,674	2,682	2,759	78	2.9	0.1
Commission-Based Wholesaling	236	258	290	290	288	309	315	345	366	336	315	318	337	352	328	368	40	12.2	1.8
Road Transport	2,519	2,825	3,121	3,282	3,476	3,848	3,846	3,928	4,158	4,125	4,021	4,418	4,426	4,614	4,666	4,798	131	2.8	2.2
Rail Transport	218	227	190	186	204	214	229	225	238	263	281	327	313	314	313	322	9	3.0	4.2
Water Transport	182	170	228	229	208	209	220	201	208	208	213	216	219	199	210	197	-13	-6.4	-0.6
Air and Space Transport	834	933	854	903	1,014	1,135	1,133	1,103	1,153	1,235	1,224	1,345	1,380	1,335	1,322	1,325	3	0.3	1.6
Other Transport	158	175	189	219	244	194	170	203	197	199	210	225	242	254	277	302	25	9.1	4.5
Postal and Courier Pick-up and Delivery Services	2,089	1,777	1,823	1,804	1,564	1,661	1,790	1,477	1,622	1,469	1,398	1,392	1,459	1,385	1,352	1,326	-27	-2.0	-2.2
Transport Support Services	1,144	1,231	1,249	1,349	1,476	1,586	1,651	1,697	1,775	1,717	1,679	1,879	1,987	2,049	2,082	2,120	38	1.8	2.9
Warehousing and Storage Services	436	457	507	504	575	591	635	617	670	716	694	680	747	749	755	756	2	0.2	2.5
<i>Wholesale and Distribution</i>	17,245	18,250	19,303	18,876	19,254	20,879	21,665	21,651	22,759	22,102	21,156	22,682	23,340	23,740	24,094	24,610	516	2.1	1.7
Motor Vehicle and Motor Vehicle Parts Retailing	758	753	794	834	883	956	993	1,023	1,020	903	929	905	940	1,010	1,088	1,182	94	8.6	2.1
Fuel Retailing	545	515	518	512	513	518	520	536	539	502	443	472	487	507	540	542	2	0.4	0.5
Food Retailing	2,025	2,126	2,238	2,375	2,499	2,666	2,724	2,905	3,017	2,976	3,092	3,128	3,246	3,412	3,571	3,704	133	3.7	3.3
Other Store-Based Retailing	3,781	3,857	3,981	4,212	4,555	4,927	5,307	5,577	5,724	5,422	5,303	5,459	5,692	5,836	6,007	6,323	316	5.3	2.5
Non-Store Retailing and Retail Commission Based Buying and/or Selling	85	72	75	65	62	70	68	81	77	85	93	97	132	143	163	196	33	20.1	10.8
Accommodation	1,038	1,037	1,068	1,172	1,200	1,157	1,198	1,245	1,244	1,211	1,187	1,211	1,239	1,133	1,128	1,285	157	14.0	1.1
Food and Beverage Services	2,794	2,835	2,936	3,018	3,084	3,345	3,470	3,632	3,677	3,569	3,622	3,679	3,819	3,964	4,170	4,441	272	6.5	2.9
Repair and Maintenance	941	954	1,346	1,229	1,181	1,263	990	976	1,109	1,234	1,331	1,312	1,341	1,350	1,405	1,420	15	1.1	1.2
Personal and Other Services	1,192	1,158	1,660	1,150	1,662	1,670	1,875	1,795	1,913	1,826	1,850	1,799	1,788	1,796	1,831	1,839	8	0.5	1.0
Private Households Employing Staff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	na
<i>Retail Trade and Services</i>	13,160	13,307	14,617	14,927	15,639	16,572	17,145	17,770	18,320	17,729	17,850	18,062	18,683	19,151	19,902	20,932	1,030	5.2	2.4
Electricity Supply	3,143	3,169	2,940	2,960	3,170	3,165	3,029	3,417	3,345	3,209	3,485	3,832	3,697	3,759	3,988	3,961	-27	-0.7	2.3
Gas Supply	231	233	194	288	265	262	254	151	142	250	262	289	292	287	336	392	56	16.7	4.1
Water Supply Sewerage and Drainage Services	1,093	1,047	976	990	979	962	974	1,007	947	949	983	926	947	909	900	937	38	4.2	-0.3
Waste Collection Treatment and Disposal Services	1,680	1,734	1,863	2,138	2,179	2,179	2,307	2,472	2,580	2,666	2,692	2,586	2,535	2,479	2,215	2,318	103	4.6	0.6
Publishing (except Internet and Music Publishing)	610	577	621	589	613	623	598	555	532	508	433	426	326	297	358	346	-12	-3.3	-5.7
Motion Picture and Sound Recording Activities	281	276	304	367	383	389	362	372	357	299	297	301	319	318	308	278	-30	-9.8	-3.3
Broadcasting (except Internet)	539	534	547	575	652	532	566	537	599	565	548	521	547	595	510	528	17	3.4	-0.1
Internet Publishing and Broadcasting	2	1																	

