

NEW ZEALAND



Q3 2023 RLB CRANE INDEX® HIGHLIGHTS

- Rider Levett Bucknall (RLB) celebrates the 20th edition of its RLB Crane Index® in New Zealand (NZ). First launched in March 2014, the index has become a representative metric of construction activity within NZ
- Falling residential cranes highlight the increasing pressure on new residential projects, especially in Auckland
- In Auckland, overall cranes are down by 13%. A decline in residential long-term cranes of 33% is partially offset by a 10% rise in non-residential cranes
- The non-residential index has recorded its highest index value in 20 editions at 167, which represents 95 long-term cranes or 66% of all cranes across the major centres
- Both Christchurch and Wellington have recorded increasing numbers of long-term cranes
- Indicators point to further easing in private sector construction demand over the coming years, reflecting the headwinds from higher costs and interest rates. Banks also remain cautious about lending for both residential and commercial property
- Falling exports, an increasing government operating deficit, and an upcoming October election, all add uncertainty to future government spending

NEW ZEALAND

The 20th edition of the RLB Crane Index® highlights a fall of 17 points or 8.5%. This is the largest percentage decline since the index's inception. According to Stats NZ, overall building activity volume declined by 6.2% quarter-on-quarter for Q1 2023; indicators are that building activity is slowing across most centres in New Zealand.

'Data is the bedrock of good decisions', notes the 100th issue of the RLB Forecast Report. Politicians often measure the strength of the economy by the number of cranes in the sky. So, in 2012, RLB in Australia recognised the need for a representative metric of construction activity within a city. The RLB Crane Index® was born.

RLB produced the inaugural New Zealand Crane Index in 2014, with 71 cranes counted across New Zealand. In this, the 20th edition of New Zealand's Crane Index, 144 cranes were counted, reflecting the maturation of this simple metric. With more than a decade's worth of data, the index provides a historical picture of construction activity within the seven major commercial centres across New Zealand, together with key sector analysis of those centres.

The index has become a barometer for the industry, not just across New Zealand, but within Australia, North America, Hong Kong, South Africa, United Arab Emirates, Singapore, Hong Kong, and the United Kingdom.

RLB's combination of on-the-ground knowledge of key developments within New Zealand, coupled with strong industry relationships, enables us to produce accurate data that informs our clients, the media, and the general public, about 'cranes in the sky'.

The 20th edition of the index demonstrates a net decrease of 13 long-term cranes across New Zealand, following a slowing of crane commencements. This is particularly true of the residential sector; only eight new long-term cranes have been sighted since Q1 2023, and 29 residential cranes have been removed.

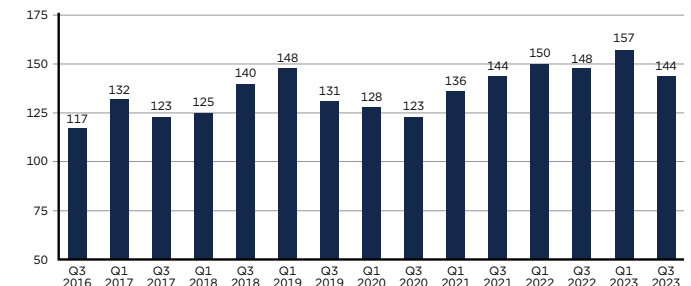
Following a record high of 157 cranes in Q1 2023, the seven centres across New Zealand recorded 144 long-term cranes on developments this quarter. 58 cranes were removed from sites, while 45 new long-term cranes were placed on sites. The residential sector saw a net 21 cranes removed from developments, while the non-residential sector saw a net 8 eight new cranes added to construction sites.

Q3 2023 RLB CRANE INDEX® SUMMARY

CITIES	KEY SECTORS	
AUCKLAND	AGED CARE	HEALTH
CHRISTCHURCH	CIVIC	HOTEL
DUNEDIN	CIVIL	MIXED USE
HAMILTON	COMMERCIAL	RECREATION
QUEENSTOWN	DATA CENTRE / INDUSTRIAL	RESIDENTIAL
TAURANGA	EDUCATION	RETAIL
WELLINGTON	LEGEND INCREASE IN NUMBER OF CRANES DECREASE IN NUMBER OF CRANES CRANE NUMBERS STEADY	

CRANE ACTIVITY - NEW ZEALAND

NUMBER OF CRANES



NEW ZEALAND

According to the most recent RLB Forecast Report, the easing in residential construction demand has broadened from single dwellings to townhouses and flats. Over the past year, the decline in dwelling consent issuance was concentrated in standalone houses, with demand shifting towards medium-density housing amid a scarcity of centrally located land. However, there has also been a decline in consent issuance for townhouses and flats in recent months. This reflects the broad-based decline in demand for house-building as financial conditions in New Zealand tighten. Higher interest rates, tighter access to finance, higher construction costs and falling house prices have reduced the incentive for property developers to bring new housing supply onto the market.

New Zealand’s residential crane index value has fallen for only the second time since its inception. The drop to 223 index points reflects a significant 30% fall and a lack of future pipeline in the short term. The residential index represents 49 long-term cranes across the centres, with Auckland’s residential market for vertical projects declining.

The non-residential index continues to grow, hitting an all-time high of 167 index points. Ongoing strong government-led infrastructure (civil) projects are the main contributor to this high-water mark.

Both Christchurch and Wellington were the only centres that saw increases in crane numbers with a net four and three new cranes respectively. All other centres reflected declining numbers in Q3 2023.

The latest RLB Forecast Report also noted that indicators point to further easing in private sector construction demand over the coming years, reflecting the headwinds from reduced valuations, as well as higher costs and interest rates. Banks also remain cautious about lending for both residential and commercial property. Although consent issuance shows a solid pipeline of construction work for the remainder of 2023, the decline in new orders and building enquiries suggests softening activity from 2024.

Partly offsetting this decline in demand over 2024 will be rebuilding efforts in the wake of the damage inflicted by severe weather events in the upper and central North Island earlier this year. While this rebuilding will provide some support for construction activity, significant uncertainty and the potential for decline in construction activity in 2024 remain due to: the weak residential sector; continued falling exports; an increasing government operating deficit; and an October election. Over the longer term, RLB expects the recovery in migration-led population growth will support construction demand. This is particularly the case in the Upper North Island, with population growth likely to drive a recovery in housing demand later in 2024.

CRANE ACTIVITY – NEW ZEALAND

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AUCKLAND	103	65.6%	20	-33	-13	90	62.5%
CHRISTCHURCH	14	8.9%	11	-7	4	18	12.5%
DUNEDIN	6	3.8%	3	-4	-1	5	3.5%
HAMILTON	5	3.2%	0	-1	-1	4	2.8%
QUEENSTOWN	15	9.6%	3	-7	-4	11	7.6%
TAURANGA	5	3.2%	1	-2	-1	4	2.8%
WELLINGTON	9	5.7%	7	-4	3	12	8.3%
TOTAL	157	100.0%	45	-58	-13	144	100.0%

CRANE ACTIVITY – NEW ZEALAND BY SECTOR

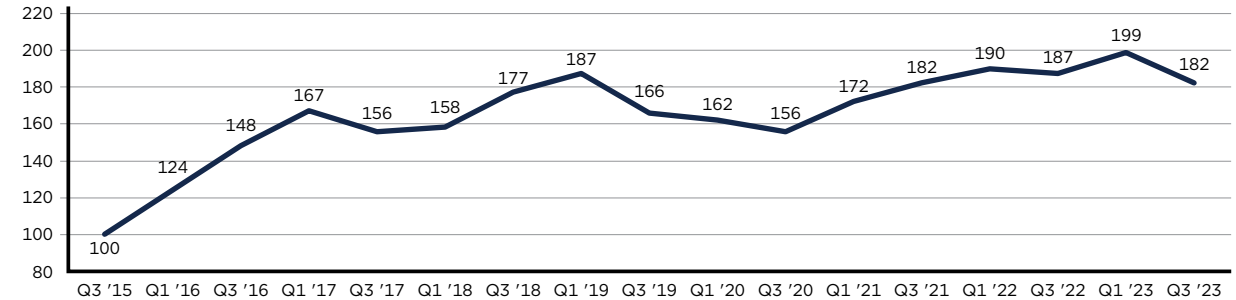
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	10	6.4%	4	-2	2	12	8.3%
CIVIC	8	5.1%	0	-4	-4	4	2.8%
CIVIL	30	19.1%	6	-7	-1	29	20.1%
COMMERCIAL	11	7.0%	4	-5	-1	10	6.9%
DATA CENTRES	2	1.3%	2	-1	1	3	2.1%
EDUCATION	5	3.2%	4	-2	2	7	4.9%
HEALTH	8	5.1%	5	-5	0	8	5.6%
HOTEL	4	2.5%	1	-2	-1	3	2.1%
MIXED USE	5	3.2%	3	0	3	8	5.6%
RECREATION	4	2.5%	6	-1	5	9	6.3%
RESIDENTIAL	70	44.6%	8	-29	-21	49	34.0%
RETAIL	0	0.0%	2	0	2	2	1.4%
TOTAL	157	100.0%	45	-58	-13	144	100.0%

NEW ZEALAND

RLB CRANE INDEX® - NEW ZEALAND

The New Zealand RLB Crane Index® has fallen to 182 index points, a drop of 8.5%. This is the largest drop in the index value since Q3 2019, when the Index fell by 8.9%. This decline was caused mainly by much fewer residential crane commencements on projects in the Auckland region.

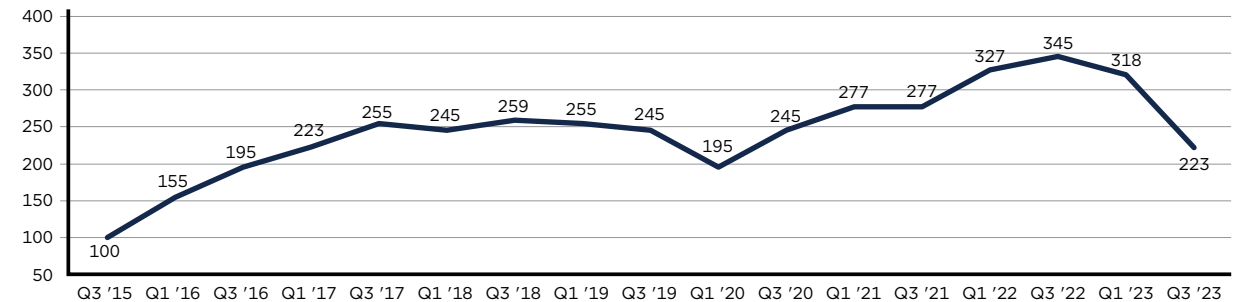
BASE: Q3 2015 = 100



RESIDENTIAL INDEX

The residential index fell for only the second time since its inception. The drop to 223 index points reflects a significant 30% fall. There were 49 long-term cranes across centres nationally, with Auckland's residential market for vertical projects declining 33%.

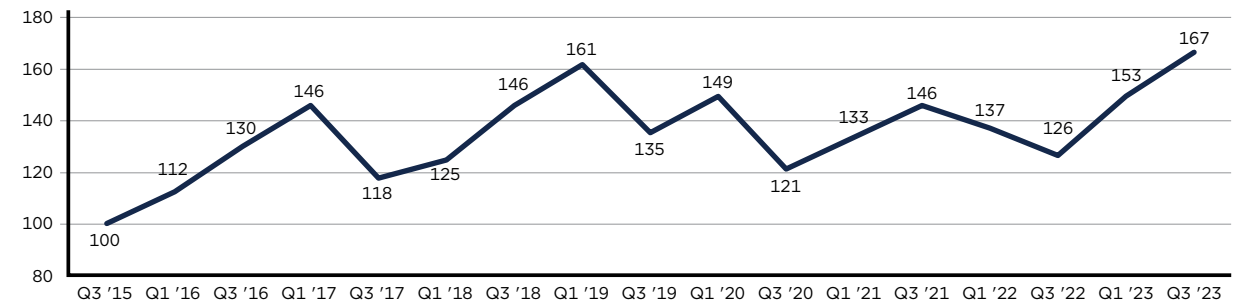
BASE: Q3 2015 = 100



NON-RESIDENTIAL INDEX

The non-residential index reached a new high of 167 points, up 14 points since the last index. The non-residential index of 167 represents a record 95 long-term cranes across all centres. This strong result can be attributed mainly to strong civil crane activity, which now account for over 20% of all cranes across the key centres of New Zealand.

BASE: Q3 2015 = 100



AUCKLAND

Auckland's RLB Crane Index® fell from 312 to 273, representing a 13% drop. The loss of 39 index points can be attributed to a reduction of 13 long-term cranes across Auckland. This drop in crane numbers reflects the current pressures on the residential market in New Zealand.

Residential long-term crane numbers in Auckland fell 33% from 54 at Q1 2023 to 36. There were 90 long-term cranes across Auckland, down from 103. Twenty cranes were placed since our last report, with 33 removed.

Stats NZ's most recent *Building Work Put in Place* results for Auckland showed construction activity in Auckland increased by 9.0% in Q1 2023 on a year-on-year volume basis (September 2022 prices). However, overall construction activity dropped on a quarter-on-quarter basis by 6.2%. Activity in the residential sector fell by 6.8% on a quarter-on-quarter basis.

Total building consents also reflect the slowing of activity in Auckland. There was a 0.6% drop in overall consents for the year to 30 June 2023. Residential consents fell by 4.2% but were offset by a 3.9% lift in non-residential consents.

The residential crane sector continues to dominate in Auckland. However, activity has fallen from a high of 68% of all long-term cranes in Q3 2017 to 40%; the lowest proportion since the index commenced. The mix of cranes in Auckland has seen long-term cranes on civil sites increase from 6% to 28% since Q3 2017. This rise in crane activity in the infrastructure and civil sector is reflective of increased government spending.

Without significant commencements over the next six months, residential cranes will continue to decrease across the region. Currently, 33 long-term cranes are assisting construction activities on 28 projects, all of

which had cranes positioned on them as at our last count. Only three new cranes commenced on projects in the last quarter. Many of these projects will be nearing completion within the next six to 12 months, highlighting the potential of a significant absence of residential cranes into 2024, unless a considerable number of projects commence during the next six months.

The non-residential count increased by five long-term cranes in Q3 2023, an increase of 10.2%. This increase somewhat offset the reduction in residential cranes.

CRANE ACTIVITY - AUCKLAND

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	7	6.8%	3	-2	1	8	8.9%
CIVIC	2	1.9%	0	-1	-1	1	1.1%
CIVIL	26	25.2%	5	-6	-1	25	27.8%
COMMERCIAL	5	4.9%	2	-1	1	6	6.7%
DATA CENTRES	0	0.0%	2	0	2	2	2.2%
EDUCATION	3	2.9%	0	-1	-1	2	2.2%
HEALTH	1	1.0%	2	-1	1	2	2.2%
HOTEL	2	1.9%	1	0	1	3	3.3%
MIXED USE	3	2.9%	0	0	0	3	3.3%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	54	52.4%	3	-21	-18	36	40.0%
RETAIL	0	0.0%	2	0	2	2	2.2%
TOTAL	103	100.0%	20	-33	-13	90	100.0%

KEY SECTORS

AGED CARE	
CIVIC	
CIVIL	
COMMERCIAL	
DATA CENTRE / INDUSTRIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RESIDENTIAL	
RETAIL	

OVERALL STATUS

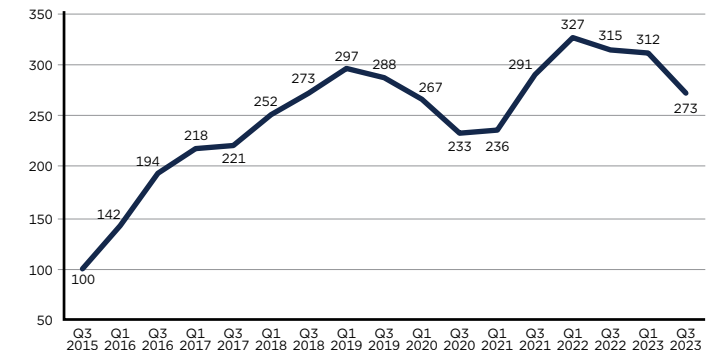


LEGEND



RLB CRANE INDEX® - AUCKLAND

BASE: Q4 2015 = 100



AUCKLAND

Across Auckland, only three new residential long-term cranes commenced. These were positioned at:

- Kainga Ora Apartments, Donegal Street, Avondale
- Hendon Avenue site, Mount Albert
- Kainga Ora Apartments, Great North Road, Point Chevalier

Since our last publication, residential cranes have been removed from:

- 6-8 Upper Queen Apartments, Auckland Central
- 48 New North Road, Eden Terrace
- LQ Hotel and The Residences, Ellerslie
- Logan Apartments, Epsom
- Glen Innis Residential (Kainga Ora), Glen Innes
- Highland Park Apartments, Highland Park
- 148 Sage Road, Kohimarama
- 2 Memory Lane, Millwater
- 58 Comins Crescent, Mission Bay
- 45 Mt Eden Apartments, Mount Eden
- 7 Clay Works Lane, New Lynn
- 28 Fraser Avenue, Northcote
- Northbridge Residential Village, Northcote
- Onehunga Mall Club, Onehunga
- MANAAKI, Onehunga
- 305 Remuera Road, Remuera
- 463B Remuera Road, Remuera
- 202-210 St Johns Road, St Johns
- Hobsonville Residential, West Harbour
- 44 Brigham Creek Road, Whenuapai

New cranes were positioned at:

Aged Care

- Gulf Rise Apartments, Red Beach
- Aged Care Apartments, Remuera
- Unsworth Heights Apartments, Rosedale

Civil

- Watercare Central Interceptor, Mount Albert
- Rawalpindi Reserve Central Interceptor, Mount Albert
- K Road Station / CRL, Newton
- Watercare Central Interceptor, Ponsonby

Data Centres

- Data Centre Westgate, Westgate

Health

- Mercy Ascot Hospital Expansion, Epsom
- Manukau Health Park, Manukau

Hotel

- Soho Hotel, Mount Roskill

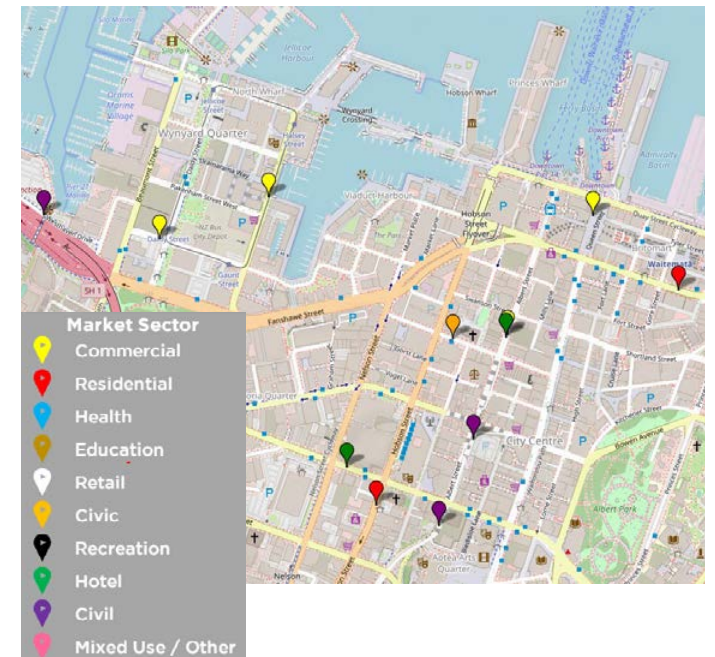
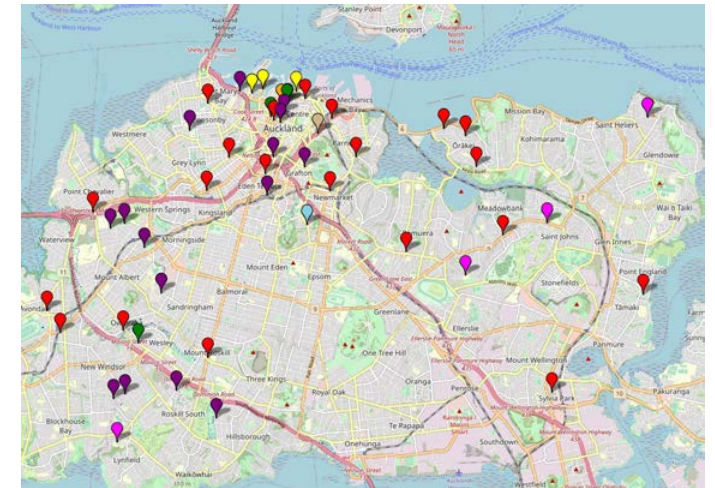
Retail

- Auckland Airport Retail Outlet Mall, Auckland Airport

Cranes have been removed from:

Aged Care

- Ryman Point Care Facility, Hobsonville
- Orewa Residential / Aged Care, Orewa



AUCKLAND

Civic

- Sky City NZICC Convention Centre, Auckland Central

Civil

- Watercare Central Interceptor Miranda Reserve, Avondale
- Great South Road intersection SH1, Drury
- Watercare Central Interceptor - War Memorial site, Mount Albert
- Watercare Central Interceptor Lyon Ave, Mount Albert

Commercial

- Building 11 Office (Kiwirail), Ellerslie

Education

- University of Auckland Rec Centre, Auckland Central

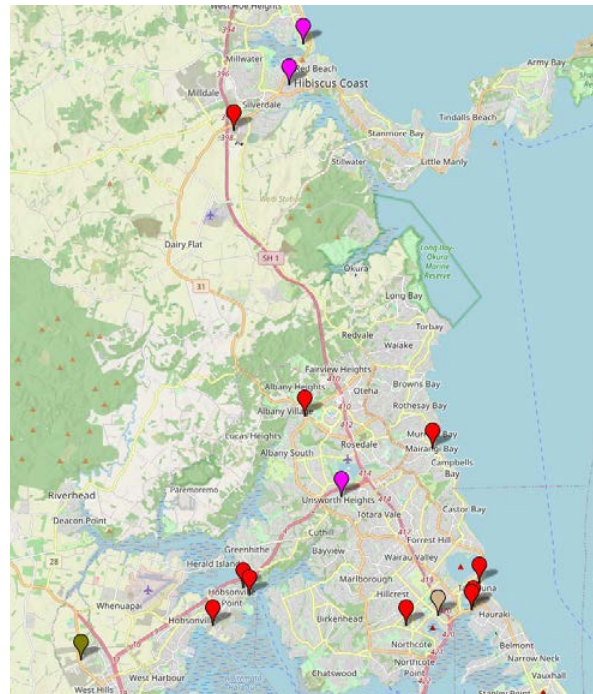
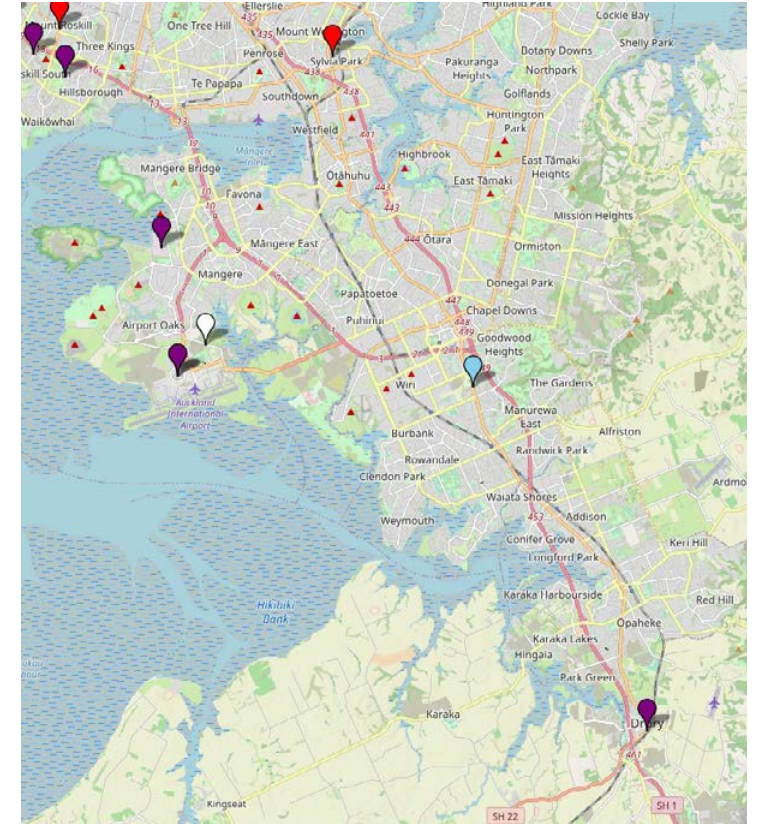
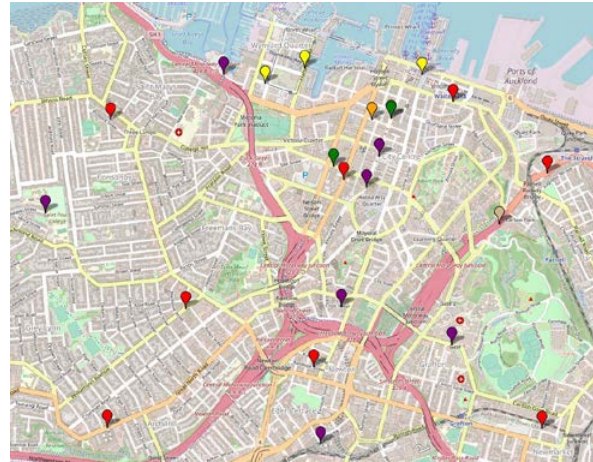
Health

- Totorā Homaru Northshore Hospital, Milford

The projects with the greatest number of long-term cranes are:

- Watercare Central Interceptor - Mangere Pumping Station (4 civil)
- AIAL Transport Hub, Auckland Airport (3 mixed use)

Thirteen projects across Auckland have two cranes.



CHRISTCHURCH

Christchurch has seen an increase in crane numbers for the second reporting period in a row, with four long-term cranes added to construction sites. The index rose by 13 points, from 45 to 58 since the last edition. This follows on from the 13 point rise reported in Q1 2023.

Eleven long-term cranes were added to developments within the city and seven were removed.

Eighteen cranes can now be seen in Christchurch. Te Kaha - Christchurch Stadium accounts for a third of these, with six cranes assisting the development; the site has the highest numbers of crane in New Zealand. Two cranes are installed on the Bone Marrow Cancer Trust's development at Waller Terrace.

New cranes were placed at:

Civil

- CDHB Carpark

Education

- University of Otago Christchurch Redevelopment

Health

- Christchurch Hospital Waipapa Tower 3

Mixed Use / Other

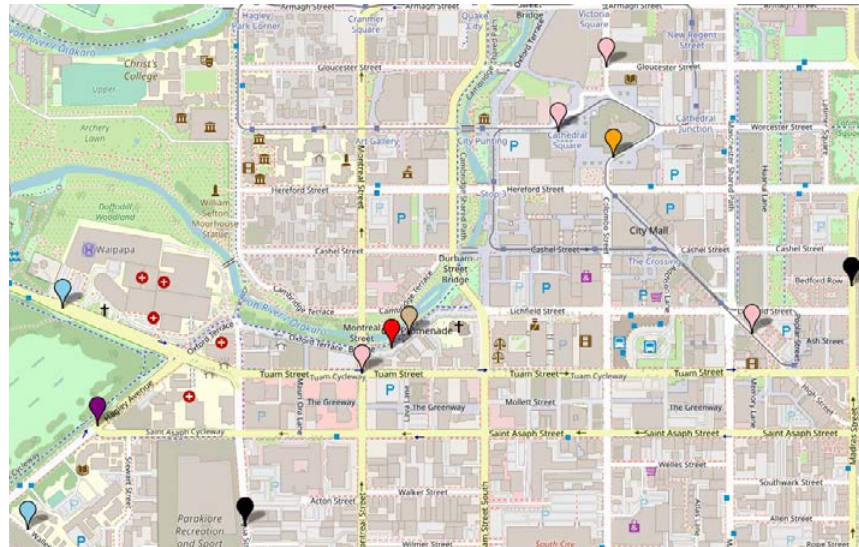
- Court Theatre
- Lexus Showroom
- Regent Building

Recreation

- Te Kaha - Christchurch Stadium

Residential

- Oxford Apartments



KEY SECTORS

CIVIC	
CIVIL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RECREATION	
RESIDENTIAL	

OVERALL STATUS

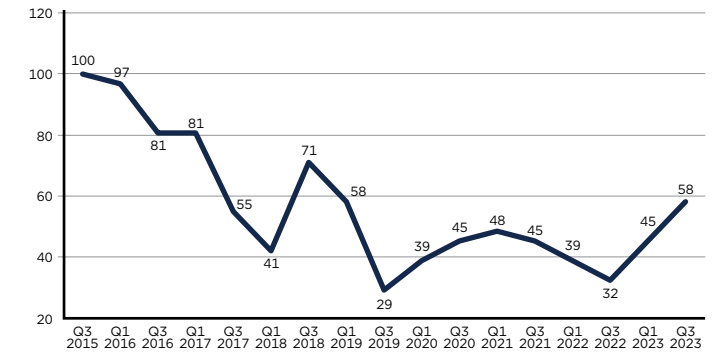


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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RLB CRANE INDEX® - CHRISTCHURCH

BASE: Q4 2015 = 100



CHRISTCHURCH

Cranes were removed from:

Civic

- Arts Centre

Health

- Ranui Apartments
- 810 Colombo Street

Hotel

- YMCA

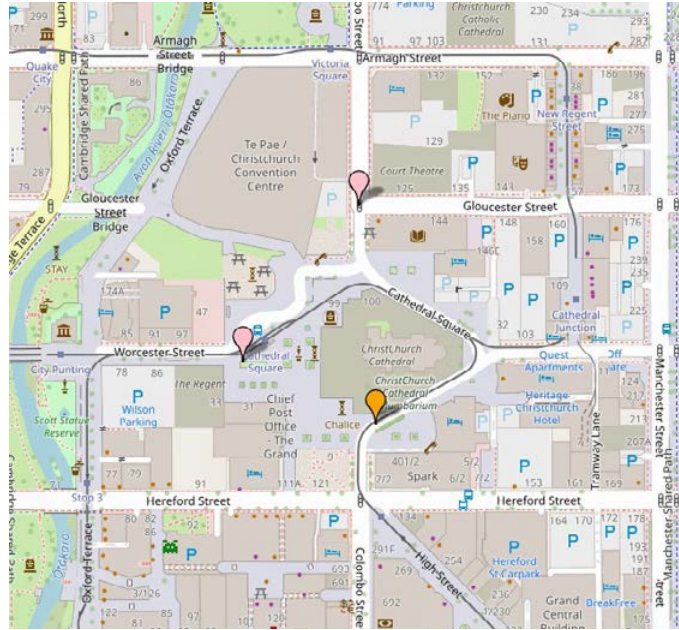
Recreation

- Metro Sports Centre

Residential

- Quest Apartments

Building consents for the Canterbury region grew 9.8% for the twelve months to June 2023. Residential consents grew by 2.2% to \$3.4b. Non-Residential consents grew by 29.1% for the twelve months with significant increases in the health, and other sector. The health sector grew by 120.8% to record \$233m for the year, the other sector grew by 53.6% to \$362m.



CRANE ACTIVITY - CHRISTCHURCH

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	2	14.3%	0	-1	-1	1	5.6%
CIVIL	0	0.0%	1	0	1	1	5.6%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	1	0	1	1	5.6%
HEALTH	5	35.7%	1	-3	-2	3	16.7%
HOTEL	1	7.1%	0	-1	-1	0	0.0%
MIXED USE	1	7.1%	3	0	3	4	22.2%
RECREATION	4	28.6%	4	-1	3	7	38.9%
RESIDENTIAL	1	7.1%	1	-1	0	1	5.6%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	14	100.0%	11	-7	4	18	100.0%

DUNEDIN

Dunedin recorded a small fall in the number of cranes. The South Island city now hosts five long-term cranes, down from the six previously reported. While Dunedin's Crane Index has fallen from 600 index points to 500 points, this is still an historically high level. Three long-term cranes were added to projects during the period and four were removed.

One crane was added to the New Dunedin Hospital Outpatient Building. Practical completion of the project is due in late 2025, with clinical services expected to commence in 2026.

Cranes were added to:

Health

- New Dunedin Hospital - Outpatient Building

Education

- Trinity Catholic College

Aged Care

- Oracle Apartments, Roslyn

Cranes were removed from:

Civic

- ACC Building (two cranes), 11 Dowling Street

Education

- Aquinas College Extension, Dalmore

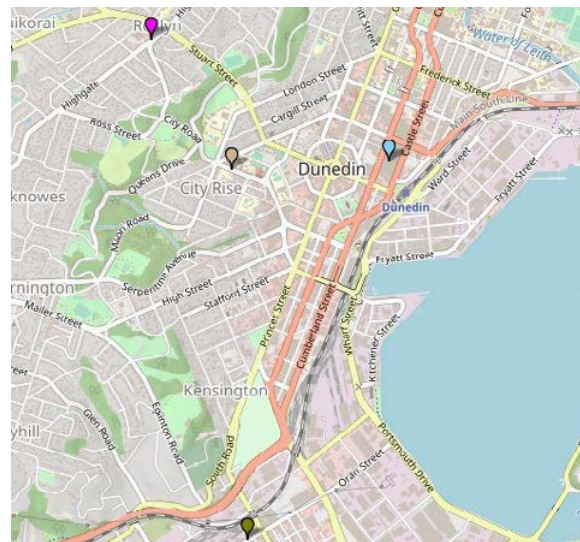
Hotel

- Distinction Hotel, 6 Liverpool Steet

Building consents for the Otago region grew 3.7% for the twelve months to June 2023. Residential consents fell by 5.4% to \$1.4b. Non-Residential consents grew by 29.7% for the twelve months with significant increases in the hospitals, nursing homes, and other sector, and the office sector. The hospitals, nursing homes, and other sector grew by 222% to record \$198m for the year, the office sector grew by 92% to \$100m.

CRANE ACTIVITY - DUNEDIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	1	0	1	1	20.0%
CIVIC	2	33.3%	0	-2	-2	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
DATA CENTRES	1	16.7%	0	0	0	1	20.0%
EDUCATION	1	16.7%	1	-1	0	1	20.0%
HEALTH	1	16.7%	1	0	1	2	40.0%
HOTEL	1	16.7%	0	-1	-1	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	0	0.0%	0	0	0	0	0.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	6	100.0%	3	-4	-1	5	100.0%



KEY SECTORS

- AGED CARE
- CIVIC
- DATA CENTRE / INDUSTRIAL
- EDUCATION
- HEALTH
- HOTEL

OVERALL STATUS

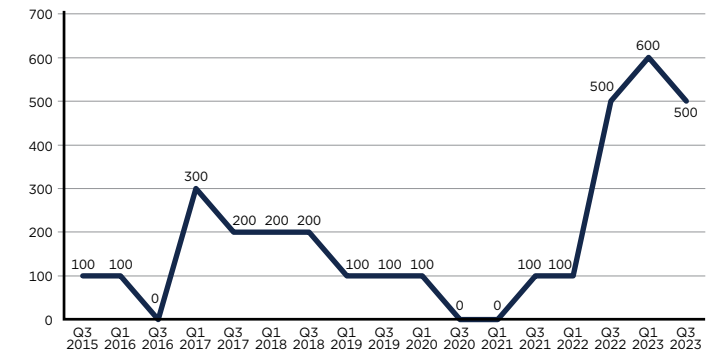


LEGEND

- INCREASE IN NUMBER OF CRANES
- DECREASE IN NUMBER OF CRANES
- CRANE NUMBERS STEADY

RLB CRANE INDEX® - DUNEDIN

BASE: Q4 2015 = 100



HAMILTON

Hamilton has seen a net decrease of one crane, with four long-term cranes across the city. The index is currently at 200 index points, down from the 250 points recorded in the last publication.

The only long-term crane movement for the city was the removal of one crane at the MAESRK data centre site in Aka Matua Lane.

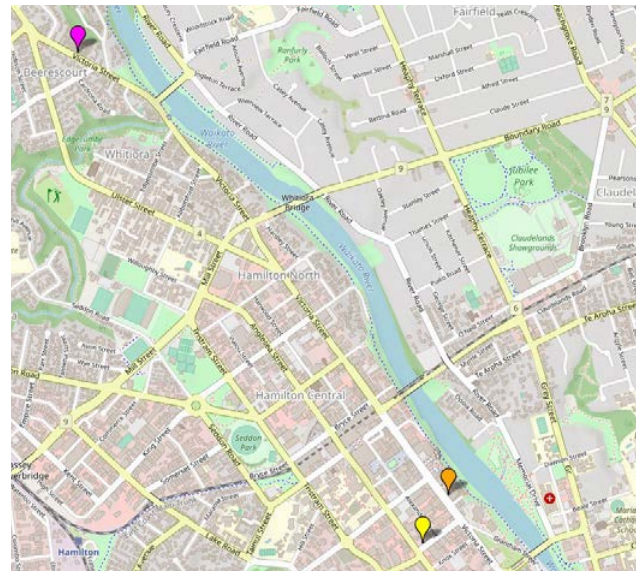
Cranes remain at

- Waikato Regional Theatre (Civic)
- Union Square, 32 Hood Street (Commercial)
- Awatere Retirement Village, Stage 2, Victoria Street (Aged Care)

Building consents for the Waikato region grew 1.1% for the twelve months to June 2023. Residential consents fell by 9.4% to \$2.2b. Non-Residential consents grew by 32.7% for the twelve months with significant increases in the industrial and education sectors. The industrial sector grew by 67% to record \$527m for the year and the education sector grew 57% to record consents of \$117m.

CRANE ACTIVITY - HAMILTON

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	20.0%	0	0	0	1	25.0%
CIVIC	2	40.0%	0	0	0	2	50.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	20.0%	0	0	0	1	25.0%
DATA CENTRES	1	20.0%	0	-1	-1	0	0.0%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	0	0.0%	0	0	0	0	0.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	5	100.0%	0	-1	-1	4	100.0%



KEY SECTORS

- AGED CARE
- CIVIC
- COMMERCIAL
- DATA CENTRE / INDUSTRIAL

OVERALL STATUS

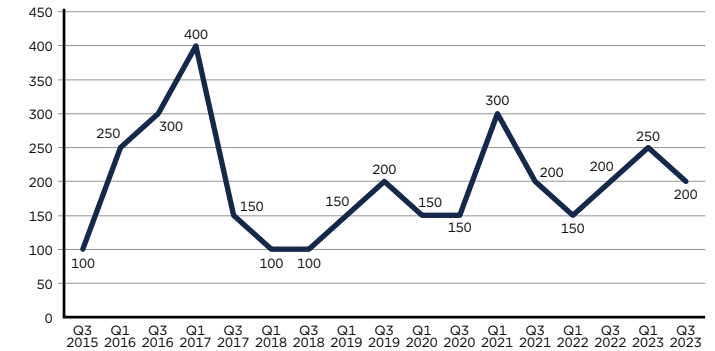


LEGEND

- INCREASE IN NUMBER OF CRANES
- DECREASE IN NUMBER OF CRANES
- CRANE NUMBERS STEADY

RLB CRANE INDEX® - HAMILTON

BASE: Q4 2015 = 100



QUEENSTOWN

Queenstown continues to see positive activity, despite the index falling from 500 to 367 in this edition. Three new long-term cranes were added to sites spread across the Queenstown region, while seven cranes were removed. As a result, the Queenstown region has a total of 11 cranes, down from 15 in our last count. The residential sector remains the focal point of activity in the region, accounting for 72.2% of all long-term cranes.

Three new long-term cranes were added to:

Commercial

- 341 Arrowtown-Lake Hayes Road, Arrowtown

Residential

- 108 Wynyard Crescent, Fernhill
- 1820 State Highway 6, Gibbston

Seven cranes were removed from:

Commercial

- 2 Brunswick Street, Queenstown
- Skyline at 53 Brecon Street, Queenstown (1 removed)

Residential

- 7 Dalgleish Lane, Millbrook
- 15 Ploughmans Lane, Millbrook
- 85A Atley Road, Queenstown
- 6 Manchester Place, Queenstown
- 5 Domain Road, Queenstown

CRANE ACTIVITY - QUEENSTOWN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	6.7%	0	0	0	1	9.1%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	3	20.0%	1	-2	-1	2	18.2%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	11	73.3%	2	-5	-3	8	72.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	15	100.0%	3	-7	-4	11	100.0%

KEY SECTORS

- AGED CARE
- COMMERCIAL
- RESIDENTIAL

OVERALL STATUS

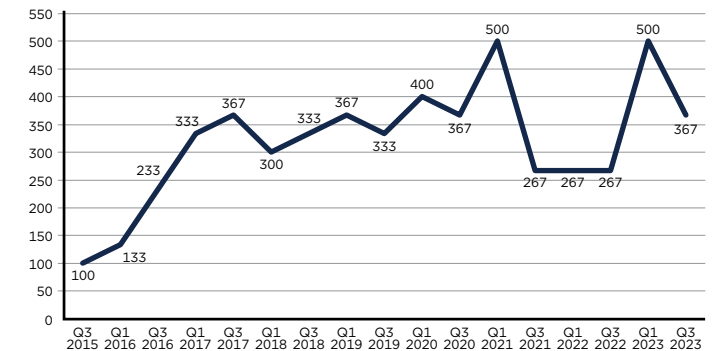


LEGEND

- INCREASE IN NUMBER OF CRANES
- DECREASE IN NUMBER OF CRANES
- CRANE NUMBERS STEADY

RLB CRANE INDEX® - QUEENSTOWN

BASE: Q4 2015 = 100



QUEENSTOWN

Cranes remain at:

Aged Care

- 6 Third Avenue, Lake Hayes

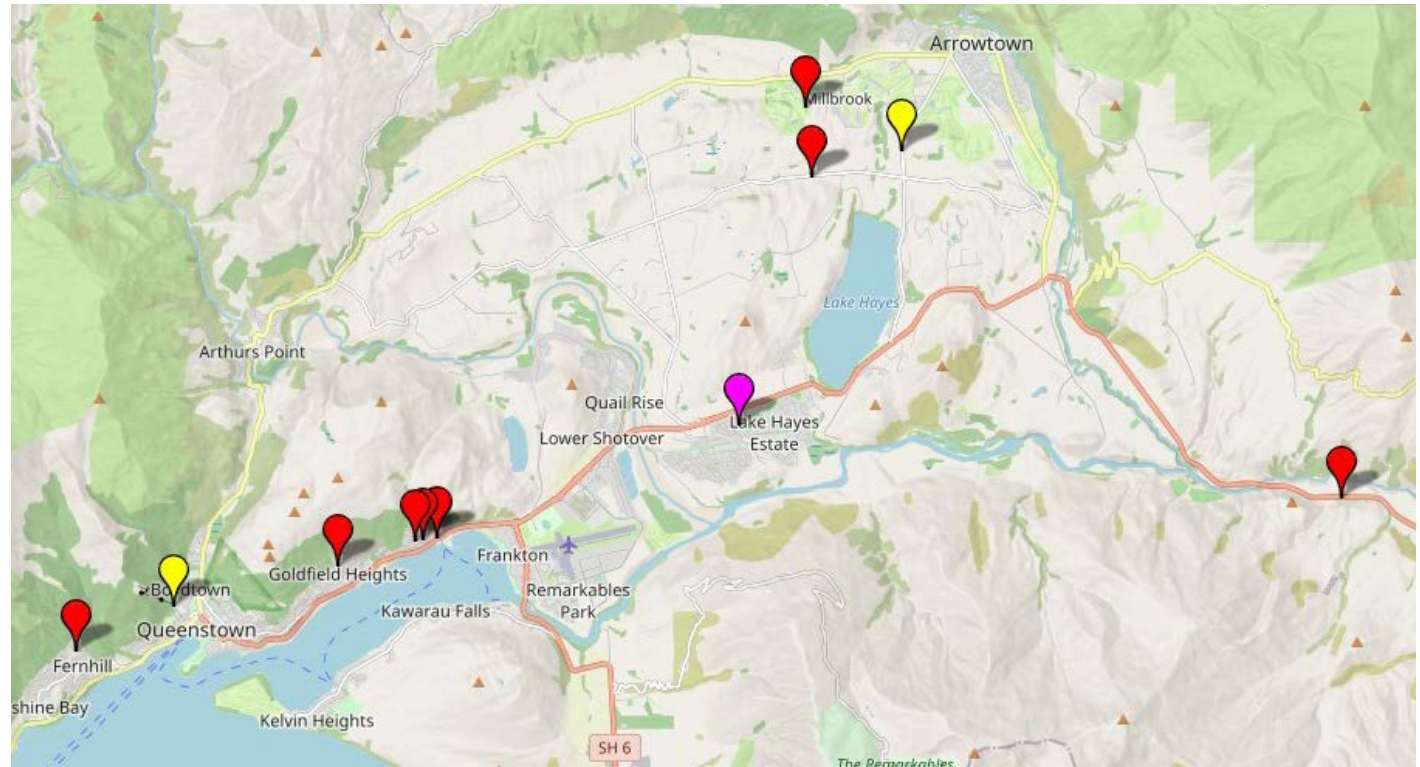
Commercial

- Skyline at 53 Brecon Street, Queenstown (one crane remains)

Residential

- 9 Ploughmans Lane, Millbrook
- 9 Angelo Drive, Queenstown
- 6A Snowy Place, Queenstown
- 12 Livingstone Lane, Queenstown
- 5 Tree Tops Rise, Queenstown
- 447 Speargrass Flat Road, Queenstown

Building consents for the Otago region grew 3.7% for the twelve months to June 2023. Residential consents fell by 5.4% to \$1.4b. Non-Residential consents grew by 29.7% for the twelve months with significant increases in the hospitals, nursing homes, and other sector, and the office sector. The hospitals, nursing homes, and other sector grew by 222% to record \$198m for the year, the office sector grew by 92% to \$100m.



TAURANGA

In Tauranga, the RLB Crane Index® fell by 50 index points to 200, down from 250 points in our last report. With the removal of two cranes and the addition of one new long-term crane, currently there are four cranes within the region.

Of the five cranes that were recorded in our last report, two cranes were removed from:

- Baypark/Bayfair Link (civil) at Mount Maunganui
- Winstone Wallboards (commercial) at Omanawa

Three cranes remain at:

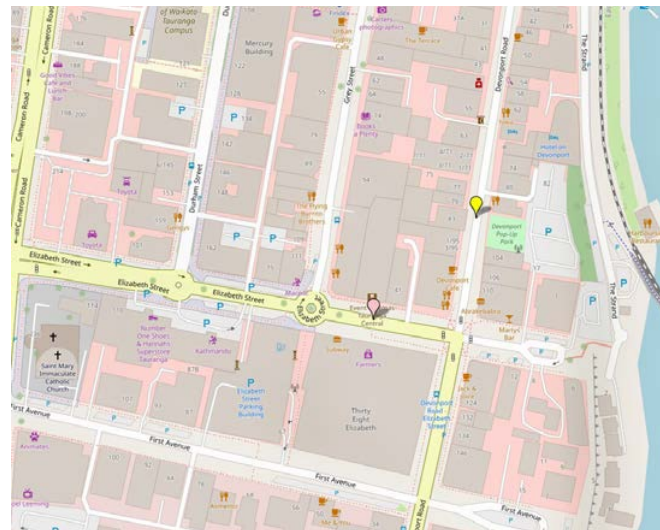
- Farmers (mixed use), 38 Elizabeth Street, Tauranga
- Tauranga Northern Link (civil), 60 Minden Road, Te Puna
- Papmoa College (education), 151 Doncaster Drive, Papamoia Beach

One new commercial crane was positioned on the Tauranga City Council Office project in Devenport Street.

Building consents for the Bay of Plenty region fell 11.8% for the twelve months to June 2023. Residential consents fell by 15.9% to \$1.0b. Non-Residential consents fell by 1.9% for the twelve months. Within the non-residential sector, the hospitals, nursing homes, and other sector grew by 247% to record \$99m for the year, and the office sector grew by 140.2% to \$77m, offsetting the lower consent values in most other sectors.

CRANE ACTIVITY - TAURANGA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	2	40.0%	0	-1	-1	1	25.0%
COMMERCIAL	1	20.0%	1	-1	0	1	25.0%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	20.0%	0	0	0	1	25.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	1	20.0%	0	0	0	1	25.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	0	0.0%	0	0	0	0	0.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	5	100.0%	1	-2	-1	4	100.0%



KEY SECTORS

- CIVIL
- COMMERCIAL
- EDUCATION
- MIXED USE

OVERALL STATUS

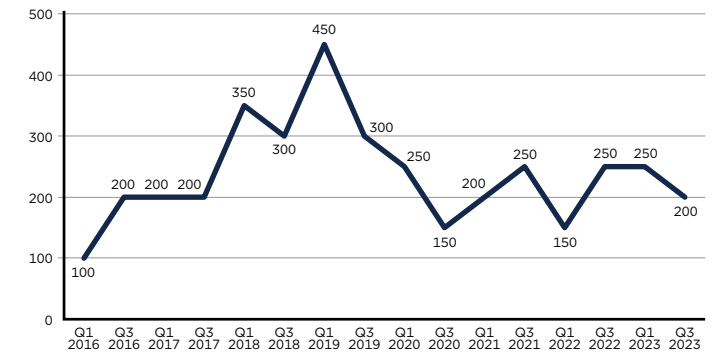


LEGEND

- INCREASE IN NUMBER OF CRANES
- DECREASE IN NUMBER OF CRANES
- CRANE NUMBERS STEADY

RLB CRANE INDEX® - TAURANGA

BASE: Q4 2015 = 100



WELLINGTON

In Wellington, the RLB Crane Index® rose from 100 points to reach 133 points. This rise in the index was the first since the high of 200 index points in Q1 21, five editions ago. There are now 12 long-term cranes on projects in the Wellington region, up from nine in the previous edition.

Seven new long-term cranes were placed on sites at the following projects:

Education

- Living Pa, 46 Kelburn Parade
- Te Matapihi Library

Health

- Southern Cross Hospital

Recreation

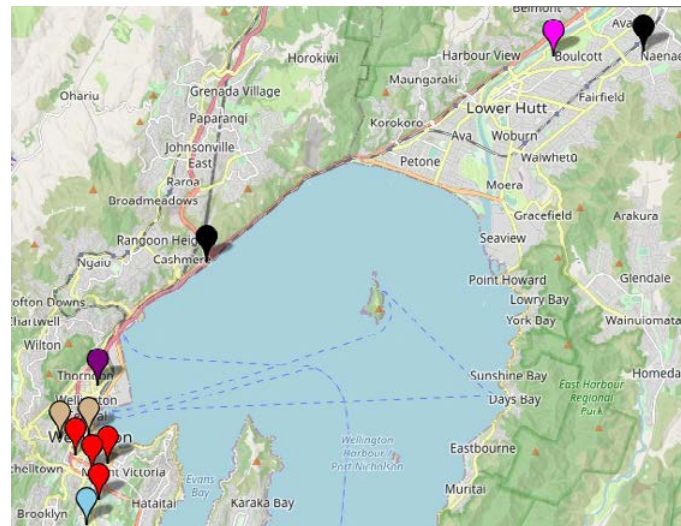
- NaeNae Pool Redevelopment, Lower Hutt
- Waterfront cycleway, Near Ngauranga Intersection

Residential

- Alpha Street
- Oxford Terrace

CRANE ACTIVITY - WELLINGTON

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	11.1%	0	0	0	1	8.3%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	2	22.2%	0	0	0	2	16.7%
COMMERCIAL	1	11.1%	0	-1	-1	0	0.0%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	2	0	2	2	16.7%
HEALTH	1	11.1%	1	-1	0	1	8.3%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	2	0	2	2	16.7%
RESIDENTIAL	4	44.4%	2	-2	0	4	33.3%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	9	100.0%	7	-4	3	12	100.0%



KEY SECTORS

- AGED CARE
- CIVIL
- COMMERCIAL
- EDUCATION
- HEALTH
- RECREATION
- RESIDENTIAL

OVERALL STATUS

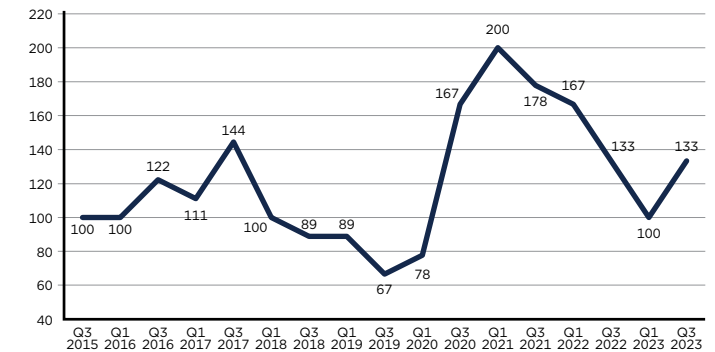


LEGEND

- INCREASE IN NUMBER OF CRANES
- DECREASE IN NUMBER OF CRANES
- CRANE NUMBERS STEADY

RLB CRANE INDEX® - WELLINGTON

BASE: Q4 2015 = 100



WELLINGTON

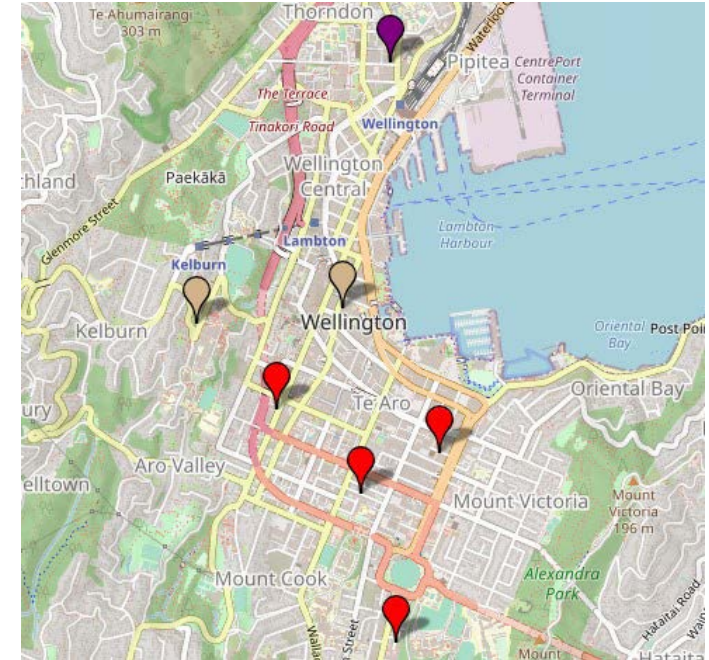
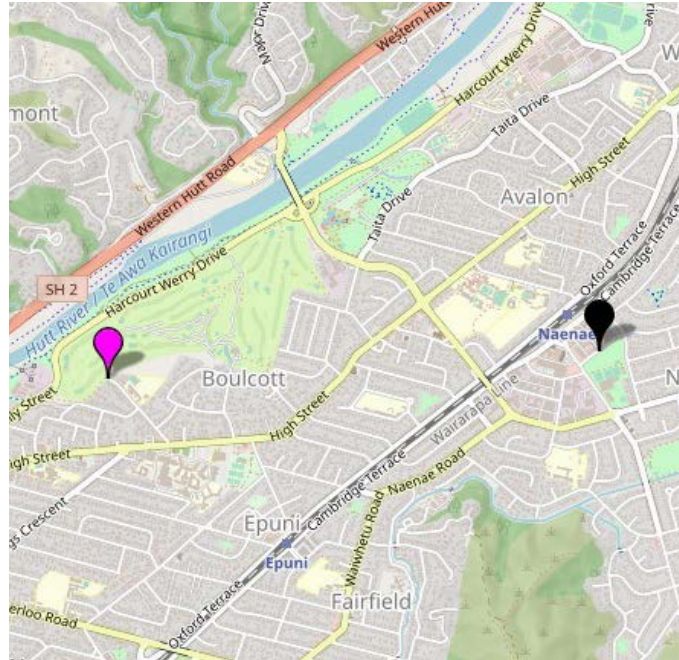
Four cranes were removed from:

- Jackson Holdings Apartments, Lower Hutt
- City Council social housing project
- Wakefield Hospital
- 126 Lambton Quay

Cranes remain on:

- National Archives (two cranes)
- 212 Willis Street Apartments
- Haining Street
- Summerset Boulcott, Lower Hutt

Total consents within the Wellington region for the twelve months to June 2023 amounted to \$2.5b, down by 3.4% from the previous twelve months. Residential consents were down by \$220m or 12.0% and non-residential up by \$130m or 16.2%. Strong gains were seen in the offices, education, health, and other sectors.



ABOUT THE RLB CRANE INDEX®

The RLB Crane Index® is published by Rider Levett Bucknall biannually in Australia, New Zealand, USA, Gulf States and Southern Africa. The New Zealand RLB Crane Index® tracks the numbers of cranes in key cities in New Zealand.

The RLB Crane Index® gives a simplified measure of the current state of the construction industry's workload in each of these locations.

Each RLB office physically counts all fixed cranes on each city's skyline twice yearly. This count provides the base information for the index. The information is then applied to a base date (fourth edition Q3 2015), which enables the RLB Crane Index® to be calculated, and highlights the relative movement of crane data over time for each city.

Subsequent movements in crane numbers are applied to the base RLB Crane Index® to highlight the crane movements in each city over time based on the relative count in Q3 2015.

Using the RLB Crane Index® table data makes for quick comparisons in determining city by city crane activity. For example, when comparing Auckland cranes for the base period of Q3 2015, against the count in Q1 2021, the following formula can be used to determine the percentage increase (or decrease):

$$\text{PERCENTAGE CHANGE} = \left[\frac{\text{CRANE INDEX}_{\text{cp}} - \text{CRANE INDEX}_{\text{pp}}}{\text{CRANE INDEX}_{\text{pp}}} \right] \times 100$$

where Crane Index_{cp} is the RLB Crane Index_{cp} for the current period and Crane Index_{pp} is the RLB Crane Index® for the previous period.

LOCALITY MAPS

The RLB Crane Index® locality maps offer a pictorial representation of the collected data for each city using a pin locator for the approximate location and sector of the development to where cranes are located.

The pins color indicates the market sector of the development. The pins are not an indication of the numbers of cranes in that location.

The location of the pins is indicative only and have been positioned to convey the general spread of cranes within a city and to indicate the spread of cranes within market sectors.

Locality maps have been created by RLB at GPSVisualiser.com using Leaflet and map data from OpenStreetMap.org

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