

REG Insights - Data Quality Functionality

REG THE ROAD
EFFICIENCY
GROUP

—
INSIGHTS

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Data Quality Metrics in REG Insights

- **Data Quality Dashboard**
 - This Year and Last Year Score for RCA / Waka Kotahi Region
 - This Year and Last Year percentages for RCA / Waka Kotahi Region
 - Option to show National, Peer Group or Region percentages for RCAs
 - Option to choose the Waka Kotahi Region
- **Data Quality Metrics Results**
 - List of annual metric results for RCA / Waka Kotahi Region
 - Option to choose the Waka Kotahi Region
 - Filter results
 - Sort results
 - Import data and review current part year results
- **Data Quality Metric Descriptions**
 - Parameters: dimension, importance, grade thresholds, description
 - Description: purpose, consequence of poor-quality data, potential reason(s) for not being at the expected standard unique to this metric and specific comments on the metric
 - RAMM SQL
 - Exceptions SQL
 - Changes
- **Data Quality Annual Reports**
 - Lists by year of latest and historical Annual Reports for RCA
 - Annual Reports for 2019/20 onwards for Waka Kotahi Regions
 - Click to download the PDF of an Annual Report

Access to Data Quality in REG Insights

REG THE ROAD EFFICIENCY GROUP Insights

Hamilton City Council | 2020/21

Search... | Sign Out

Data Quality

Dashboard | Results Table | Annual Reports

Showing: National Peer Group Region

Major Issues Minor Issues Expected Standard

SCORE

85 LAST YEAR | 87 THIS YEAR

OVERALL RESULTS

Category	Last Year	This Year	National
Expected Standard	81	80	72
Major Issues	11	12	14
Minor Issues	8	8	14

Interim Results for 2020/21
This is an interim result based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

RESULTS BY IMPORTANCE

Importance	Last Year	This Year	National
High	77	80	73
Moderate	73	73	69
Low	72	91	72

Data quality Dashboard and results

Data quality annual reports

Data quality metric information

Data Quality Dashboard

- Home
- ONRC
- Data Quality**
 - Dashboard
 - Annual Reports
 - Metric Library
- Procurement
- Help & Support

Data Quality

Dashboard Results Table Annual Reports

Showing: National Peer Group Region
 Major Issues Minor Issues Expected Standard

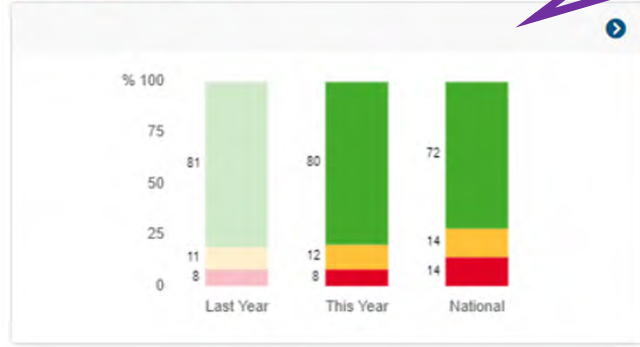
Export to PDF

SCORE



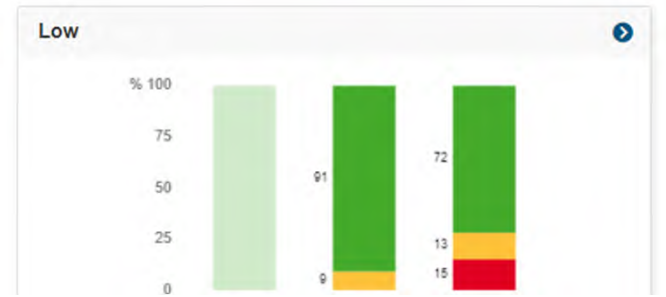
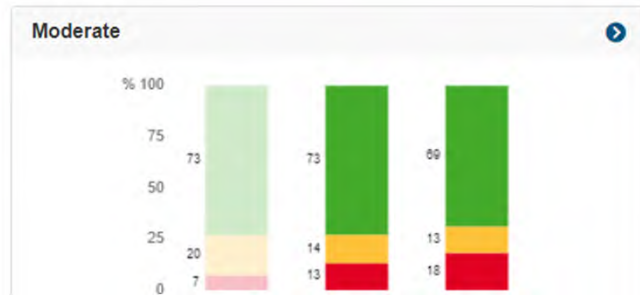
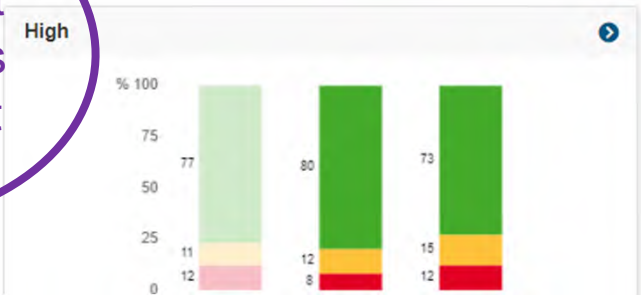
Shows Asset Management Score for this year and last year

OVERALL RESULTS



Interim Results for 2020/21
This is an interim result based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

RESULTS BY IMPORTANCE



Data Quality Dashboard

- Home
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- Procurement
- Help & Support

Data Quality

- Dashboard
- Results Table**
- Annual Reports

Showing: National Peer Group Region

Major Issues Minor Issues Expected Standard

Export to PDF

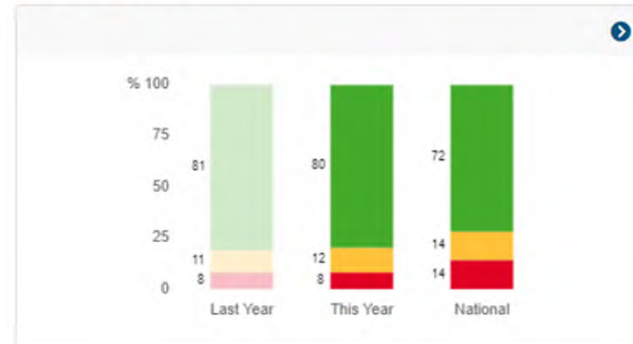
SCORE



Click Results Table tab to view all results

Click a graph to view results for that graph

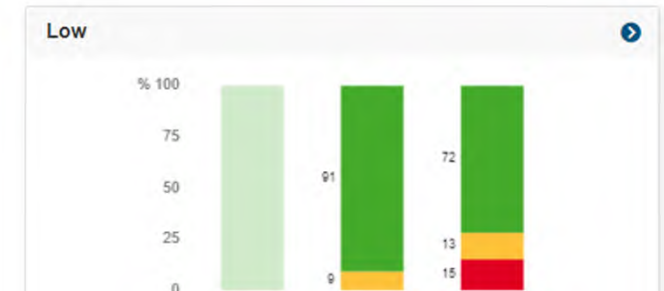
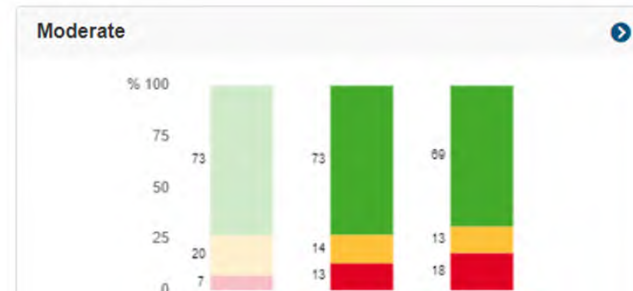
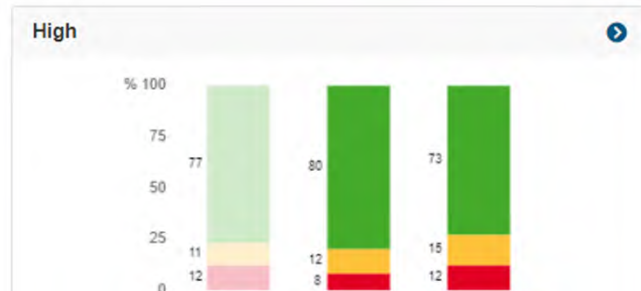
OVERALL RESULTS



Interim Results for 2020/21

This is an interim result based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

RESULTS BY IMPORTANCE



Data Quality Dashboard for Waka Kotahi Regions

- Home
- ONRC
- Data Quality
 - Dashboard
 - Annual Reports
 - Metric Library
- Procurement
- Help & Support

Data Quality

- Dashboard
- Results Table
- Annual Reports

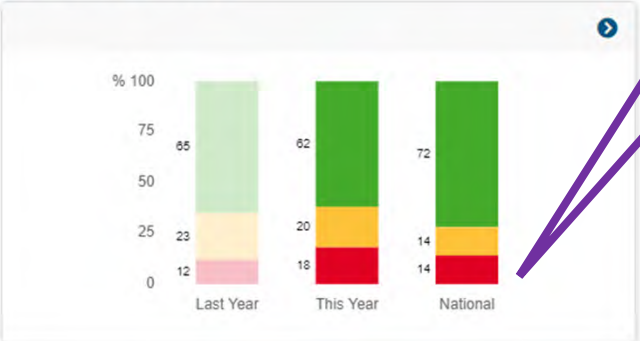
Waka Kotahi Region: All

Major Issues Minor Issues Expected Standard

Export to PDF

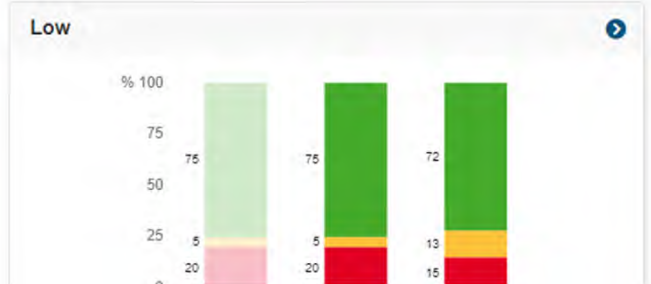
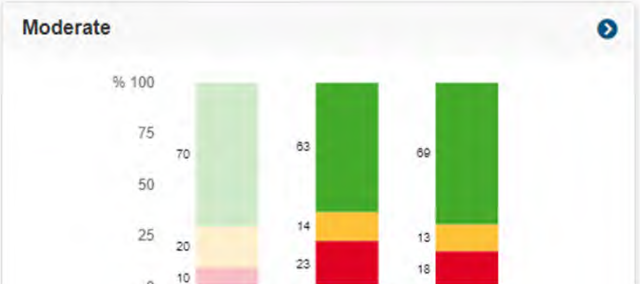
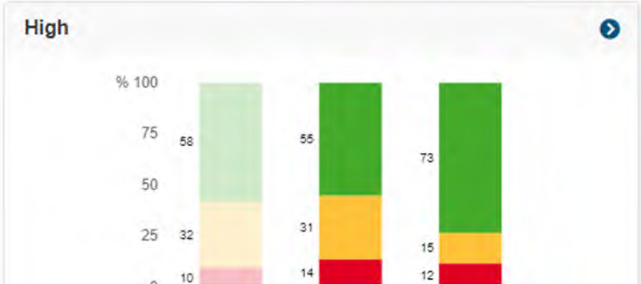


OVERALL RESULTS



Interim Results for 2020/21
This is an interim result based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

RESULTS BY IMPORTANCE



Data Quality Dashboard for Waka Kotahi Regions

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Insights

Waka Kotahi 2020/21

Search ... Sign Out

Home ONRC Data Quality Dashboard Annual Reports Metric Library Procurement Help & Support

Data Quality

Dashboard Results Table Annual Reports

Waka Kotahi Region: Waikato

Major Issues Minor Issues Expected Standard

SCORE

79 (LAST YEAR) 80 (THIS YEAR)

OVERALL RESULTS

Interim Results for 2020/21
This is an interim result based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

RESULTS BY IMPORTANCE

High Moderate Low

Category	Last Year	This Year	Waka Kotahi
Expected Standard (Green)	68	67	62
Minor Issues (Yellow)	20	20	20
Major Issues (Red)	12	13	18

Category	Last Year	This Year	Waka Kotahi
Expected Standard (Green)	60	68	55
Minor Issues (Yellow)	27	25	31
Major Issues (Red)	13	8	14

Category	Last Year	This Year	Waka Kotahi
Expected Standard (Green)	77	63	63
Minor Issues (Yellow)	10	17	14
Major Issues (Red)	13	20	23

Category	Last Year	This Year	Waka Kotahi
Expected Standard (Green)	75	75	75
Minor Issues (Yellow)	15	15	5
Major Issues (Red)	10	10	20

Select a specific Waka Kotahi Region

Compares the region to the Waka Kotahi network

Data Quality Dashboard - Metric Results

The dashboard displays the following components:

- Header:** REG THE ROAD EFFICIENCY GROUP, Tasman District Council, 2020/21, Search, Sign Out.
- Navigation:** Home, ONRC, Data Quality (selected), Dashboard, Annual Reports, Metric Library, Procurement, Help & Support.
- Filters:**
 - Filter by:**
 - CATEGORY:** Deselect All, Network, Asset Inventory, Maintenance Activity, Condition, Demand/Use, Crash.
 - DIMENSION:** Deselect All, Accuracy, Completeness, Timeliness.
 - IMPORTANCE:** Deselect All, High, Moderate, Low.
 - ONRC CUSTOMER OUTCOME:** Deselect All, Amenity, Cost Efficiency, Safety.
 - ONRC METRIC:** Show ONRC PM metrics only.
 - RESULT:** Deselect All, Major Issues, Minor Issues, Expected Standard, Not Applicable.
- Table:**

Category	Ref	Metric Description	Dimension	Importance	ONRC Customer Outcome	ONRC Metric	Result	Trend	Comparison of all RCAs
Network: Carriageway	CWAY1	Road network data complete	Accuracy	High	AMENITY, COST EFFICIENCY, SAFETY		96.7	—	Progress bar chart
Network: Carriageway	CWAY3	ONRC categories assigned to new carriageways	Completeness	High	AMENITY, COST EFFICIENCY, SAFETY		100.0	▲	Progress bar chart
Network: Carriageway	CWAY4	ONRC categories are	Completeness	High	AMENITY, COST EFFICIENCY	✓	100.0	—	Progress bar chart

Choose different filters

Find results via text search

Sort by clicking the shaded column headings

List shows metric results for filter

Data Quality Metric Results for Waka Kotahi Region

REG THE ROAD EFFICIENCY GROUP

Waka Kotahi 2020/21 Search Sign Out

Data Quality

Dashboard Results Table Annual Reports

Filters Description Important Links

Filter by

WAKA KOTAHI REGION
Waikato

CATEGORY Deselect All
 Network Asset Inventory Maintenance Activity Condition Demand/Use Crash

DIMENSION Deselect All
 Accuracy Completeness Timeliness

IMPORTANCE Deselect All
 High Moderate Low

ONRC CUSTOMER OUTCOME Deselect All
 Amenity Cost Efficiency Safety

ONRC METRIC
 Show ONRC PM metrics only

RESULT Deselect All
 Major Issues Minor Issues Expected Standard Not Applicable

Export to PDF

These are interim results based on new calculations for 2020/21. See the Metric Library for the latest calculation of each metric. We will finalise and publish the Data Quality Annual reports when all data and calculations are confirmed.

● Major Issues ● Minor Issues ● Expected Standard

Category	Ref	Metric Description	Dimension	Importance	ONRC Customer Outcome	ONRC Metric	Result	Trend	Waka Kotahi Maintenance Region Comparison
Network: Carriageway	CWAY1	Road network data complete	Accuracy	High	AMENITY COST EFFICIENCY SAFETY		99.8	-	05 06 08 100

Choose Waka Kotahi

Choose the Waka Kotahi Region

Shows the results for the Waka Kotahi Region

Compared to the other Waka Kotahi Regions

Data Quality Dashboard - Metric Results

● Major Issues ● Minor Issues ● Expected Standard

Category	Ref	Metric Description	Dimension	Importance	ONRC Customer Outcome	ONRC Metric	Result	Trend	
Network: Carriageway	CWAY1	<i>i</i> Road network data complete	Accuracy	High	AMENITY COST EFFICIENCY SAFETY		97.5	—	
Network: Carriageway	CWAY3	<i>i</i> ONRC categories assigned to new carriageways	Completeness	High	AMENITY COST EFFICIENCY SAFETY		36.4	▼	
Network: Carriageway	CWAY4	<i>i</i> ONRC categories are assigned	Completeness	High	AMENITY COST EFFICIENCY SAFETY	✓	99.6	—	
Network: Carriageway	CWAY7	<i>i</i> Sealed/unsealed network correctly defined	Accuracy	High	AMENITY COST EFFICIENCY SAFETY	✓	98.9	—	
Network: Carriageway	CWAY5	<i>i</i> Assigned ONRC category aligns with traffic data	Accuracy	Moderate	AMENITY COST EFFICIENCY SAFETY		84.9	▲	
Network: Carriageway	CWAY6a	<i>i</i> Rural carriageways are generally not short	Accuracy	Moderate	AMENITY COST EFFICIENCY SAFETY	✓	100.0	—	
Network: Carriageway	CWAY6b	<i>i</i> Urban carriageways are generally not short	Accuracy	Moderate	AMENITY COST EFFICIENCY SAFETY	✓	98.5	—	
Network: Carriageway	CWAY2a	<i>i</i> Rural number of lanes matches carriageway width	Accuracy	Low	AMENITY COST EFFICIENCY SAFETY	✓	99.2	—	

New metric reference codes

Click info icon to see metric description

Click metric code to go to full metric description

Access to the Data Quality Descriptions

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Insights

Waka Kotahi 2020/21

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Dashboard
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Metric Library
Procurement
Help & Support

Data Quality Metric Library

Network Asset Inventory Maintenance Activity Condition Demand/Use Crash

CWAY1 - Road network data complete

Sub-category Carriageway
ONRC Metric
Grade thresholds 85 95

Dimension Importance
Accuracy High

Description RAMM SQL Exceptions SQL

The percentage of the total network length, based on carriageway sections, where the map centreline length is within 10% of measured road length recorded in the carriageway table.

Metric Purpose
Check consistency between the 'measured' road length recorded in the carriageway table and the map centreline length.

Consequence of Poor Quality Data
Poor centreline data has the potential to impact the locational accuracy of data (inventory, maintenance activity, etc.) recorded in the field. Incorrect network length affects reported results including STE, VKT, etc. This also has the potential to impact investment decision making.

Potential reason(s) for not being at the expected standard unique to this metric
Inaccurate measurement of carriageway section length leading to inaccurate total road length. Centrelines not calibrated to measured carriageway section lengths. Road centrelines not representative of road network. Poorly calibrated trip meter. Low quality GPS and insufficient satellites spread across the sky gives a bad map line. Height difference with no calibration points. Centrelines in RAMM are flat earth where the road measurement

Data quality metric information

Data Quality Descriptions – Metric Parameters

REG THE ROAD EFFICIENCY GROUP
Insights

Waka Kotahi 2020/21 Search... Sign Out

Data Quality Metric Library

Network	Asset Inventory	Maintenance Activity	Condition	Demand/Use	Crash
CWAY1 - Road network data complete					
CWAY2a - Rural number of lanes matches carriageway width					
CWAY2b - Urban number of lanes matches carriageway width					
CWAY3 - ONRC categories assigned to new carriageways					
CWAY4 - ONRC categories are assigned					
CWAY5 - Assigned ONRC category aligns with traffic data					
CWAY6a - Rural carriageways are generally not short					
CWAY6b - Urban carriageways are generally not short					
CWAY7 - Sealed/unsealed network correctly defined					
TREAT1 - Treatment Length dimensions match sealed area					

CWAY1 - Road network data complete

Sub-category: Carriageway

ONRC Metric

Grade thresholds: 85 95

Dimension Importance: Accuracy High

Description RAMM SQL Exceptions SQL

The percentage of the total network length, based on carriageway sections, where the map centreline length is within 10% of measured road length recorded in the carriageway table.

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Potential reason(s) for not being at the expected standard unique to this metric
Inaccurate measurement of carriageway section length leading to inaccurate total road length. Centrelines not calibrated to measured carriageway section lengths. Road centrelines not representative of road network. Poorly calibrated trip meter. Low quality GPS and insufficient satellites spread across the sky gives a bad map line. Height difference with no calibration points. Centrelines in RAMM are flat earth where the road measurement

Data Quality Descriptions – Metric Description

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 - Annual Reports
 - Metric Library
- Procurement
- Help & Support

Data Quality Metric Library

Network	Asset Inventory	Maintenance Activity	Condition	Demand/Use	Crash
---------	-----------------	----------------------	-----------	------------	-------

CWAY1 - Road network data complete

CWAY2a - Rural number of lanes matches carriageway width

CWAY2b - Urban number of lanes matches carriageway width

CWAY3 - ONRC categories assigned to new carriageways

CWAY4 - ONRC categories are assigned

CWAY5 - Assigned ONRC category aligns with traffic data

CWAY6a - Rural carriageways are generally not short

CWAY6b - Urban carriageways are generally not short

CWAY7 - Sealed/unsealed network correctly defined

TREAT1 - Treatment Length dimensions match sealed area

CWAY1 - Road network data complete

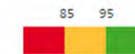
Sub-category
ONRC Metric

Carriageway

Dimension
Importance

Accuracy
High

Grade thresholds



Description

RAMM SQL

Exceptions SQL

The percentage of the total network length, based on carriageway sections, where the map centreline length is within 10% of measured road length recorded in the carriageway table.

Metric Purpose

Check consistency between the 'measured' road length recorded in the carriageway table and the map centreline length.

Consequence of Poor Quality Data

Poor centreline data has the potential to impact the locational accuracy of data (inventory, maintenance activity, etc.) recorded in the field. Incorrect network length affects reported results including STE, VKT, etc. This also has the potential to impact investment decision making.

Potential reason(s) for not being at the expected standard unique to this metric

Inaccurate measurement of carriageway section length leading to inaccurate total road length. Centrelines not calibrated to measured carriageway section lengths. Road centrelines not representative of road network. Poorly calibrated trip meter. Low quality GPS and insufficient satellites spread across the sky gives a bad map line. Height difference with no calibration points. Centrelines in RAMM are flat earth where the road measurement

Data Quality Descriptions – Regenerate Result

REG THE ROAD EFFICIENCY GROUP Insights

Waka Kotahi 2020/21 Search... Sign Out

Data Quality Metric Library

Network Asset Inventory Maintenance Activity Condition Demand/Use Crash

CWAY1 - Road network data complete

Sub-category: Carriageway
ONRC Metric: Dimension Importance: Accuracy High
Grade thresholds: 85 95

Description RAMM SQL Exceptions SQL

Copy to clipboard

```
-- DROP TABLE #temp_reportingyear;  
SELECT '2020/21' AS pLockYear, '2020-07-01' AS pYearStart, DATEADD(SECOND, -1, CONVERT(datetime, '2021-07-01', 102)) AS pYearEnd,  
'C' AS pOwnerType, 'S' AS pRoadType  
INTO #temp_reportingyear;  
  
-- CWAY1  
-----  
  
-----  
--Road network complete  
--Alignment in length between carriageways and centrelines.  
--Percentage of network length (based on carriageway sections) where map centreline length within 10% of measured road length.  
--For road type and owner type  
  
--Ref - CWAY1  
  
-- 09/05/2019 v2: Modified Centreline selection from map_road_layer to centreline_segment_length  
  
--Sourced from https://www.nzta.govt.nz/resources/nca-data-quality-reports/  
-----
```

Regenerate a metric result in RAMM

Data Quality Descriptions – Find and Fix Exceptions

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Insights

Waka Kotahi 2020/21

Search... Sign Out

Home ONRC Data Quality Dashboard Annual Reports Metric Library Procurement Help & Support

Data Quality Metric Library

Network	Asset Inventory	Maintenance Activity	Condition	Demand/Use	Crash
---------	-----------------	----------------------	-----------	------------	-------

CWAY1 - Road network data complete

Sub-category: Carriageway
ONRC Metric: Dimension Importance: Accuracy High

Grade thresholds: 85 95

Description RAMM SQL Exceptions SQL

Copy to clipboard

```
-- DROP TABLE #temp_reportingyear;  
SELECT '2020/21' AS pLockYear, '2020-07-01' AS pYearStart, DATEADD(SECOND, -1, CONVERT(datetime, '2021-07-01', 102)) AS pYearEnd,  
'C' AS pOwnerType, 'S' AS pRoadType  
INTO #temp_reportingyear;  
  
-- CWAY1  
-----  
  
-----  
  
--Road network incomplete  
--Misalignment in length between carriageways and centrelines.  
--Percentage of network length (based on carriageway sections) where map centreline length is outside 10% of measured road length.  
--For road type and owner type  
  
--Ref - CWAY1  
-----  
  
-- 26/05/2020 - Update SQL to filter for Road Type  
-- - Centreline Segment Length works at a Road Level, so cannot use Carriageway Owner Type because if this filters out some of  
-- 26/05/2021 - lookup road type and owner type from temp table
```

CWAY2a - Rural number of lanes matches carriageway width

CWAY2b - Urban number of lanes matches carriageway width

CWAY3 - ONRC categories assigned to new carriageways

CWAY4 - ONRC categories are assigned

CWAY5 - Assigned ONRC category aligns with traffic data

CWAY6a - Rural carriageways are generally not short

CWAY6b - Urban carriageways are generally not short

CWAY7 - Sealed/unsealed network correctly defined

TREAT1 - Treatment Length dimensions match sealed area

Find exception records in RAMM to investigate

Data Quality Dashboard – Review Current Year Metric Results

The screenshot shows the 'Data Quality' dashboard for 'Hamilton City Council'. The top navigation bar includes the 'REG Insights' logo, the user name 'j.dodg', and a 'Sign Out' button. The main content area is titled 'Data Quality' and has tabs for 'Dashboard', 'Results Table', and 'Annual Reports'. Below the tabs are buttons for 'Filters', 'Compliance', and 'Important Links'. A 'Filter by' section contains several filter groups: 'CATEGORY' (Network, Asset Inventory, Maintenance Activity, Condition, Demand/Use, Crash), 'DIMENSION' (Accuracy, Completeness, Timeliness), 'IMPORTANCE' (High, Moderate, Low), 'ONRC CUSTOMER OUTCOME' (Amenity, Cost Efficiency, Safety), 'ONRC METRIC' (Show ONRC PM metrics only), and 'RESULT' (Major Issues, Minor Issues, Expected Standard, Not Applicable). A 'Download PDF' button is located at the bottom right of the filter section. Below the filters is a legend for 'Major Issues' (red), 'Minor Issues' (yellow), and 'Expected Standards' (green). The bottom part of the dashboard displays a table with columns for 'Category', 'Risk', 'Metric Description', 'Enabled', 'Asset Group', 'ONRC Customer Outcome', 'ONRC Metric', 'Result', and 'Trend'. The table contains three rows of data, each with a corresponding bar chart showing the distribution of results.

Part year results

Last year & This year results

Some trends or results will not show

Data Quality Annual Reports

The screenshot shows the REG Insights interface. The top navigation bar includes the REG logo, 'Hamilton City Council', '2020/21', a search bar, and a 'Sign Out' button. The left sidebar contains a 'Data Quality' menu with sub-items: Dashboard, Annual Reports, and Metric Library. The main content area is titled 'Data Quality' and has three tabs: 'Dashboard', 'Results Table', and 'Annual Reports'. The 'Annual Reports' tab is active, showing a list of reports for the years 2019/20, 2018/19, 2017/18, 2016/17, 2015/16, and 2014/15. Two callouts are present: one pointing to the 'Annual Reports' tab with the text 'Defaults to the latest published year', and another pointing to the 'Data Quality Annual Reports menu' in the sidebar with the text 'Data Quality Annual Reports menu'. A third callout points to a download icon on a report with the text 'Click to download the PDF report'.

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Insights

Hamilton City Council | 2020/21 | Search... | Sign Out

Data Quality

Dashboard | Results Table | **Annual Reports**

Data Quality Annual Reports 2019/20

Year	Report Title	File Size	Action
2019/20	Asset Management Report for Hamilton City Council	PDF 536 KB	Download
2018/19	Asset Management Report for National	PDF 311 KB	Download
2017/18			
2016/17			
2015/16			
2014/15			

Data Quality Annual Reports menu

Defaults to the latest published year

Click to download the PDF report

Data Quality Annual Report PDF for 2019/20

2019/20

Hamilton City Council Asset Management Data Quality Report



Published Annual Report PDF for 2019/20

In 2019/20 the Asset Management Data Quality suite of metrics has been expanded to include the previously separated report metrics interrogating the data underpinning the ONRC Performance Measure results. As such, there is no separate ONRC data quality report for 2019/20.

The data quality of each RCA is assessed annually against a suite of data quality metrics. Each RCA metric result is compared against an expected standard and the distribution of all RCAs. The intent is for this report to identify potential issues with how the RCA's data is being collected, managed, and maintained. Further analysis will be required to determine if additional action is needed.

This report assesses the Road Asset Maintenance and Management (RAMM) data supporting asset management and associated decision support systems. For three metrics, renewal as-built data in RAMM are compared with the achieved renewal activity reported in the New Zealand Transport Agency Transport Investment Online (TIO) system.

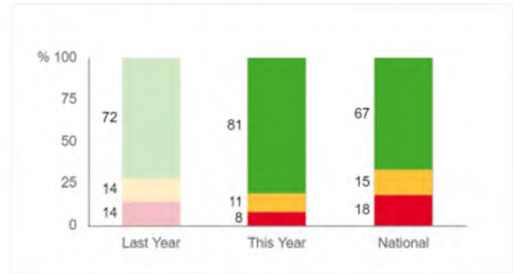
Refer to the following overviews for further information:

- [Data quality framework](#); The intent and purpose of the data quality framework.
- [Data quality dimensions](#); Why the three quality dimensions; accuracy, completeness and timeliness are important.
- [Understanding the data quality results](#); How to read and understand the annual data quality reports.
- [Frequently Asked Questions \(FAQs\)](#) and detailed metric descriptions in the Performance Measures Reporting Tool.

Score



Overall Results

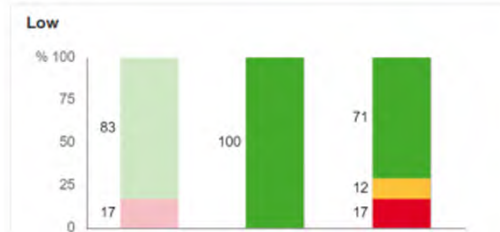
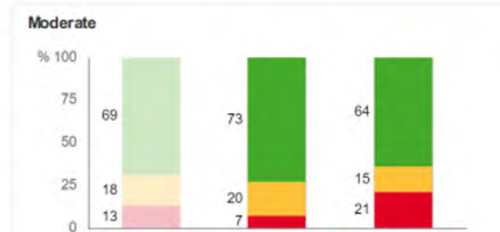
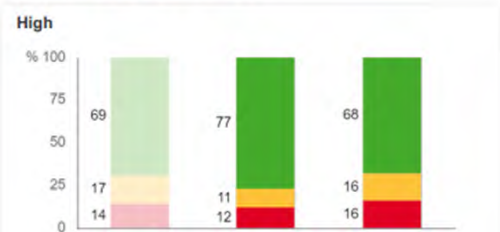


- Expected Standard
- Minor Issues
- Major Issues

Import Date: 11th August 2020

Data Source: This report uses RAMM data from the annual snapshots loaded onto the ONRC Performance Measures Reporting Tool (PMRT) by the RCA and data input into TIO by the RCA.

Results by Importance



Data Quality Annual Reports – Previous years

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Data Quality

- Dashboard
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Data Quality Annual Reports 2017/18

2019/20	Asset Management Report for Hamilton City Council	PDF 265 KB
2018/19	ONRC Report for Hamilton City Council	PDF 309 KB
2017/18	Asset Management Report for Waikato Region	PDF 275 KB
2016/17	ONRC Report for Waikato Region	PDF 290 KB
2015/16	Asset Management Report for National	PDF 256 KB
2014/15	ONRC Report for National	PDF 270 KB

Click the year for historical reports

Click to download an historical PDF report

Data Quality Annual Reports for Waka Kotahi Regions

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Data Quality

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Data Quality Annual Reports 2019/20

Year	Report Title	File Size	Download
2019/20	Asset Management Report for Waka Kotahi	PDF 536 KB	
2018/19	Asset Management Report for Waka Kotahi Auckland Region	PDF 229 KB	
2017/18	Asset Management Report for Waka Kotahi Bay Of Plenty Region	PDF 229 KB	
2016/17	Asset Management Report for Waka Kotahi Canterbury Region	PDF 229 KB	
2015/16	Asset Management Report for Waka Kotahi Gisborne Region	PDF 228 KB	
2014/15	Asset Management Report for Waka Kotahi Hawkes Bay Region	PDF 228 KB	
	Asset Management Report for Waka Kotahi Nelson/Marlborough Region	PDF 233 KB	
	Asset Management Report for Waka Kotahi Northland Region	PDF 229 KB	
	Asset Management Report for Waka Kotahi Otago Region	PDF 229 KB	

Click to download a Waka Kotahi Region PDF report

Data Quality Annual Report PDFs for previous years

Bay of Plenty Region 2017/18 ONRC Data Quality Report

Introduction

The Road Efficiency Group (REG) is working hard to help the sector improve the quality of New Zealand's roading related data to support effective evidence based decision-making. It is focused on the data that underpins the One Network Road Classification (ONRC) related performance measures, road asset management and decision support systems.

Good quality data is necessary to effectively and efficiently deliver services and manage our assets. The intention is for the results to identify opportunities for improvement in the way both an individual RCA and the sector collects, manages and uses data to support our investment planning and decision-making processes.

The purpose of the report is to provide evidence on the quality of data supporting the national and regional planning and delivery. The report shows, for each metric, the national and regional result.

What this report tells me and what should I do as I read it

This report looks at the data underpinning the ONRC Performance Measures. It details the national and regional view based on a framework of 31 data quality metrics. These interrogate the national and regional Road Asset Maintenance and Management (RAMM) data for accuracy, completeness and timeliness.

Background behind the metrics

The fundamentals of the metrics are to test the quality of the data inputs to our systems and processes. The design intent of this report is to flag where data quality may not be to the expected standard. A more detailed analysis of the data would then be needed to confirm this.

Grade	Definition
Grade 1	Data quality to expected standard
Grade 2	Minor data quality issues present
Grade 3	Major data quality issues present

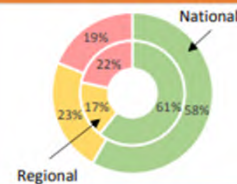
The metrics have been grouped into categories and sub-categories. Each group has several metrics interrogating data completeness, accuracy and timeliness. Each metric will have a graded result on a scale of 1 to 3. Metrics graded 2 or 3 means a reduced confidence in the data quality.

Definitions of the data quality dimensions interrogated are detailed in the table below.

Data Quality Project

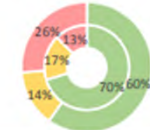


Results Overall

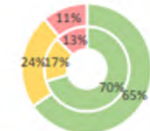


Results by Dimension

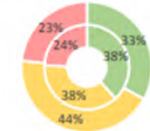
Completeness



Accuracy

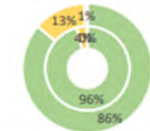


Timeliness



Results by Sub-Category

Carriageway



RoadEfficiencyGroup@nzta.govt.nz

One Network Road
Perform

REG THE ROAD EFFICIENCY GROUP

We are. **LGNZ.**
Te Kāhui Kaunihera o Aotearoa.

NZ TRANSPORT AGENCY
WAKA KOTAHU

Find out more about what REG are doing

<https://onrc.companyx.nz>