

Infrastructure Committee Agenda

Date: 12 August, 2021

Time: 9:00 am

Location: Council Chamber
Forum North, Rust Avenue
Whangarei

Elected Members: Cr Greg Martin (Chairperson)
Her Worship the Mayor Sheryl Mai
Cr Gavin Benney
Cr Vince Cocurullo
Cr Nicholas Connop
Cr Ken Couper
Cr Tricia Cutforth
Cr Shelley Deeming
Cr Jayne Golightly
Cr Phil Halse
Cr Greg Innes
Cr Anna Murphy
Cr Carol Peters
Cr Simon Reid

For any queries regarding this meeting please contact
the Whangarei District Council on (09) 430-4200.

1. Declarations of Interest	
2. Apologies	
3. Confirmation of Minutes of Previous Infrastructure Committee Meeting	
3.1. Minutes Infrastructure Committee Meeting held 8 July 2021	3
4. Decision Reports	
4.1. Parks capital works - budget adjustment	7
4.2. CON15026 - Sports Park Management and maintenance Contract extension	9
5. Information Reports	
5.1. Contracts Approved Under Delegated Authority - August 2021	11
5.2. Infrastructure Operational Report - August 2021	19
6. Public Excluded Business	
7. Closure of Meeting	

Recommendations contained in the agenda are not the decisions of the meeting.

Please refer to minutes for resolutions.

Infrastructure Committee – Terms of Reference

Membership

Chairperson Councillor Greg Martin

Members Her Worship the Mayor Sheryl Mai
 Councillors Gavin Benney, Vince Cocurullo, Nicholas Connop, Ken Couper, Tricia Cutforth, Shelley Deeming, Jayne Golightly, Phil Halse, Greg Innes, Anna Murphy, Carol Peters, Simon Reid

Meetings Monthly

Quorum 7

Purpose

To oversee the management of council's infrastructural assets, utility services and public facilities.

Key responsibilities

- Services including the provision, maintenance and capital investment for:
 - Infrastructure asset management, projects and support
 - Infrastructure project co ordination
 - Transportation
 - Waste and drainage
 - Solid waste, waste minimisation and recycling services
 - Water
 - Parks and reserves
 - Cemetery
 - Laboratory services
 - Flood alleviation schemes
- Reporting on service delivery, including operational financial performance.
- Reporting on capital projects.
- Operational reporting for the Infrastructure group within Council.

- Procurement – general procurement relating to the areas of business of this committee, within delegations.
- Shared Services – investigate opportunities for Shared Services for recommendation to council.
- Council Controlled Organisations (CCOs) – monitoring the financial and non-financial performance of CCOs whose functions would otherwise fall under the scope of this committee. Includes trading CCOs (CCTOs) and those CCOs exempted under the LGA. Responsibilities include:
 - advising on the content of annual Statement of Expectations to CCOs
 - agreement of the Statement of Intent
 - monitoring against the Statement of Intent
 - for exempted CCOs, monitoring and reporting as agreed between Council and the organisation

CCOs accountable to this committee:

- Northland Regional Landfill Limited Partnership (NRLLP) – CCTO
- Whangarei Waste Limited (WWL) – exempted CCO

Delegations

- (i) All powers necessary to perform the committee's responsibilities, including, but not limited to:
 - a) the approval of expenditure of less than \$20 million plus GST.
 - b) approval of a submission to an external body.
 - c) establishment of working parties or steering groups.
 - d) adoption of strategies and policies relating to the key responsibilities of this committee (except for those that cannot be delegated by Council under Clause 32(1)(f) of Schedule 7 of the LGA).
 - e) power to establish subcommittees and to delegate their powers to that subcommittee.
 - f) the power to adopt the Special Consultative Procedure provided for in Section 83 to 88 of the LGA in respect of matters under its jurisdiction (this allows for setting of fees and bylaw making processes up to but not including adoption).
 - g) the power to delegate any of its powers to any joint committee established for any relevant purpose under clause 32, Schedule 7 of the Local Government Act 2002.

Item 3.1
Infrastructure Committee Meeting Minutes

Date: Thursday, 8 July, 2021
Time: 9:00 a.m.
Location: Council Chamber
 Forum North, Rust Avenue
 Whangarei

In Attendance

 Cr Greg Martin (Chairperson)
 Her Worship the Mayor Sheryl Mai
 Cr Vince Cocurullo
 Cr Nicholas Connop
 Cr Ken Couper
 Cr Tricia Cutforth
 Cr Shelley Deeming
 Cr Jayne Golightly
 Cr Phil Halse
 Cr Greg Innes
 Cr Simon Reid

Not in Attendance

 Cr Gavin Benney
 Cr Anna Murphy
 Cr Carol Peters

Scribe

 C Brindle (Senior Democracy Adviser)

1. Declarations of Interest

Item 4.1 – Northland Regional Landfill Limited Partnership – Statement of Intent 2021-22

2. Apologies

Crs Gavin Benney, Anna Murphy and Carol Peters.

Moved By Her Worship the Mayor

Seconded By Cr Phil Halse

That the apologies be sustained.

Carried

3. Confirmation of Minutes of Previous Infrastructure Committee Meeting

3.1 Minutes Infrastructure Committee Meeting held 10 June 2021

Moved By Cr Vince Cocurullo

Seconded By Cr Simon Reid

That the minutes of the Infrastructure Committee meeting held on Thursday 10 June 2021, having been circulated, be taken as read and now confirmed and adopted as a true and correct record of proceedings of that meeting.

Carried

4. Decision Reports

4.1 Northland Regional Landfill Limited Partnership – Statement of Intent 2021-22

Moved By Cr Vince Cocurullo

Seconded By Cr Simon Reid

That the Infrastructure Committee agree to the Northland Regional Landfill Limited Partnership Statement of Intent 2020-2021.

On the motion being put Cr Martin called for a division:

	For	Against	Abstain
Cr Greg Martin	X		
Her Worship the Mayor	X		
Cr Vince Cocurullo	X		
Cr Nicholas Connop		X	
Cr Ken Couper	X		
Cr Tricia Cutforth		X	
Cr Shelley Deeming	X		
Cr Jayne Golightly	X		
Cr Phil Halse	X		
Cr Greg Innes	X		
Cr Simon Reid	X		
Results	9	2	0

The Motion was Carried (9 to 2)

Declarations of Interest:

Cr Martin declared an interest as Council appointed representative to the NRLLP Board of Directors.

Crs Cocurullo and Deeming declared interests as Council appointed representatives to the NRLLP Advisory Committee.

5. Information Reports

5.1 Contracts Approved Under Delegated Authority

Moved By Her Worship the Mayor

Seconded By Cr Nicholas Connop

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

Carried

5.2 Infrastructure Operational Report

Moved By Cr Nicholas Connop

Seconded By Cr Shelley Deeming

That the Infrastructure Committee notes the Infrastructure Operational Report update.

Carried

6. Public Excluded Business

There was no business conducted in public excluded.

7. Closure of Meeting

The meeting concluded at 10.13am.

Confirmed this 12th day of August 2021

Councillor Greg Martin (Chairperson)

4.1 Parks coastal structures capital works - budget adjustment

Meeting: Infrastructure Committee
Date of meeting: 12 August 2021
Reporting officer: Sue Hodge (Manager Parks & Recreation)

1 Purpose

To request Council approval to pull forward funding from Year 2 of the 2021-2031 Long Term Plan to Year 1 to progress projects that are well advanced.

2 Recommendation

That the Committee approves bringing forward from Year 2 to Year 1 \$250,000 (Excluding GST) to complete the Beach Rd, Onerahi seawall and \$300,000 (excluding GST) to complete Whananaki Wharf renewal from Long Term Plan Indicator 00094 – Coastal Structures renewal.

3 Background

When developing the 2021-31 Long Term Plan a number of projects were pushed out to later years to ensure the adopted capital programme was realistic and could be delivered. In the past many projects have been delayed due to consenting requirements. However, staff have continued to work on forward projects to ensure they can be delivered on time.

Two coastal structures projects are sufficiently advanced to go to tender. These are relatively simple renewal projects with a like-for-like replacement planned. Funding for these projects is in Year 2 of the LTP. If part of this funding can be bought forward these can be constructed this year as all consenting and detailed design is complete.

4 Discussion

Beach Road seawall is a renewal of a failing rock revetment wall running alongside Beach Road, Onerahi near the playground, toilets and boat ramp. There are two separate assets in our asset management system but they run contiguously along the coast and hence two separate budget lines. Consents and detailed design are complete.

Whananaki North Wharf is a valued community asset. The asset is at the point of needing be either renewed or removed as it is becoming a health and public safety risk. The proposed design refurbishes the structure and increases its asset life by another 50 years. This structure has existing use rights under the regional plan.

4.1 Financial/budget considerations

It is proposed to bring forward \$750,000 from Year 2 into Year 1 to complete the Beach Road seawall and Whananaki North Wharf projects

	Current Yr1	Current Yr2		Proposed Yr1	Proposed Yr2
Beach Rd Seawall		\$200,000		\$100,000	\$100,000
Beach Rd Seawall		\$300,000		\$150,000	\$150,000
Whananaki North Wharf		\$600,000		\$300,000	\$150,000
Total		\$1,100,000		\$750,000	\$750,000

4.2 Policy and planning implications

The activities are in line with Council's Erosion Protection Policy where Council will remedy or mitigate adverse effects of coastal hazards, in areas where it is necessary to protect life-line or community infrastructure, and/or public health and safety on Council owned property subject to coastal erosion provided:

- There is significant public benefit.
- Any intervention is supported by national and regional policy statements.
- A coastal hazard assessment supports intervention and identifies the practical solution.
- All necessary consents are obtained.

Both structures are existing council assets and are replacements rather than new assets.

Procurement will be in line with Councils procurement policy.

4.3 Options

There are two options:

1. Leave the funding where it lies and undertake the work in year 2
2. Bring forward the funding and keep momentum with projects that are likely to be delivered

The preferred option is option 2.

4.4 Risks

Because these assets are near the end of their life and are located in the coastal margins there is a risk of sudden failure from weather events and sea surges which will increase public safety issues requiring the assets to be cordoned off from the public. Completing this work as soon as possible will reduce this risk.

5 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

4.2 CON15026 - Sportspark Management and Maintenance Contract extension

Meeting: Infrastructure Committee
Date of meeting: 12 August 2021
Reporting officer: Sue Hodge (Manager Parks and Recreation)

1 Purpose

To approve the request to extend CON15026 - Sportspark management and maintenance for 1 year as provided for in the contract. Also, approve a request to extend the contract by an additional month from 30 September 2022 to 31 October 2022 to reduce any risk to hosting the Women's Rugby World Cup.

2 Recommendations

That the Committee approves;

1. Extending the contract for a further one year from 1st October 2021 to 30 September 2022 as provided for in the contract.
2. Extending the contract by an additional month from 30 September 2022 to 31 October 2022 to reduce any risk to hosting the Women's Rugby World Cup
3. And extends the value of the contract by a further \$1,461,572 (excluding GST) to cover a thirteen-month period and increasing the total contract value from \$7,838,001 (excluding GST) to \$9,299,573 (excluding GST).

3 Background

This contract is for the management and maintenance of sports parks in the District. The contract was awarded to Recreational Services with the original term of the contract from 1st October 2015 to 30 September 2020 with two one-year rights of renewal.

Recreational Services requested one right of renewal from 1st October 2020 to 30 September 2021 last year. As per the contract, they have now requested the second and last one-year right of renewal and the contract will now expire 30 September 2022.

The contractor has performed satisfactorily within the terms of the contract meeting all key performance Indicators (KPIs).

4 Discussion

The Women's Rugby World Cup (WRWC) has been delayed and now will be hosted in Whangarei during October 2022 with 9 pool games followed by 2 semi-final games 29th

October. Although most games will be at Semenoff Stadium (not maintained as part of this contract), training fields and facilities will be provided by Council at Kensington Park, Hora Hora, William Fraser Memorial Park on Pohe Island and Ngunguru Sports Complex.

For this reason, it is recommended that CON15026 be extended for 1 year and 1 month from 30 September 2021 to 31 October 2022 to reduce any risk to hosting WRWC.

4.1 Financial/budget considerations

The value of the renewal has been calculated from the current monthly claim adjusted by the Consumer Price Index (CPI), an average of the spend on seasonal turf renovations and day works. Sufficient budget has been provided for in the Long-Term Plan.

This is a measure and value contract and only work completed can be claimed.

4.2 Policy and planning implications

There are no policy and planning implications.

4.3 Options

There are two options:

1. Extend the contract for one year as permitted in the contract.
2. Extend the contract for one year and one month to reduce any risk to WRWC

The preferred option is option 2.

4.4 Risks

Because Whangarei District Council is hosting the WRWC in October 2022 and the contract expires September 2022 there is a risk that a new contractor will be establishing during this crucial period. This could lead to reputational damage if fields are not prepared to the correct standard. To reduce this risk, it is proposed to extend the contract by one month.

5 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website

5.1 Contracts Approved Under Delegated Authority

Meeting: Infrastructure Committee
Date of meeting: 12 August 2021
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

For the Infrastructure Committee to note Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

2 Recommendation

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

3 Background

Table 1 (below) records Infrastructure contracts awarded under Chief Executive and General Manager delegated authority. Attachment 1 provides a summary of the award process for each contract and a brief description of the works being undertaken

Table 1: Infrastructure Contracts Awarded Under Delegated Authority

1. Ridding	
CON20071	Streetlight Renewals & Maintenance
CON21015	Early Start Agreement – Port Road Bridge Widening and Kioreroa Road Intersection Upgrade

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

1. Summary of Contracts Approved Under Delegated Authority August 2021

Summary of Contracts Approved Under Delegated Authority

This attachment provides a summary of the award process and works being undertaken for Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

1.0 Roading

CON20071 Streetlight Renewals & Maintenance
--

Introduction

This Contract is for the management and maintenance of the road corridor and amenity lighting network assets within the Whangarei and Kaipara districts. The contract has three separable portions and will be for an initial term of two years with two contract extensions of two years and one year respectively (2 + 2 + 1) based on various factors including performance, availability of funding and entirely at the discretion of the Principal. The Contract is scheduled to commence on 1st July 2021.

The contract includes but is not limited to the following activities:

Proactive activities

- Maintenance, replacement and or retrofitting (luminaires, lighting columns, supports/fixings, control gear & wiring) for all street lighting and specified amenity areas
- Streetlight LED Infills
- Asset condition monitoring
- Asset management
- Traffic management necessary to safely carry out work without unnecessarily delaying traffic movements
- Minor and/or unscheduled related lighting works not otherwise covered above

Reactive activities

- Attendance and rectification of lighting outages within prescribed response time for specific areas
- Working with NTA and emergency services as required in emergency response events

Management activities

- Reporting
- Accurate and complete provision of RAMM and related asset information
- Hold adequate stock levels of parts and equipment in storage for reactive maintenance
- Managing and undertaking maintenance activities within budget allocations directed by the Engineer
- Working collaboratively with stakeholders; Whangarei and Kaipara District Councils, Police, Energy supplier(s), to obtain best for community solutions to specific matters.

The Contract has been formulated to achieve the following key outcomes by making the Contractor primarily responsible for continuously monitoring the lighting assets and carrying out necessary maintenance. The Contractor is required to perform the contract works to achieve the following outcomes:

- Increase customer satisfaction
- A safe and efficient lighting network for road users
- Value for money and cost-effective asset maintenance management
- Integrated asset inspection and condition monitoring
- Innovative work methods and materials

Procurement Process

Based on the approved Procurement Strategy, a Registration of Interest (ROI) was put out to the market on 17th November 2020 which closed on 11th December 2020 for CON20071.

The purpose of the ROI process was to:

- give advance warning of the District Councils intention to award Streetlight Maintenance and Renewal contracts
- give smaller organizations the opportunity to team up with kindred organizations for the purposes of jointly responding to the proposed RFTs, and
- inform prospective tenderers of the Streetlight Renewal & Maintenance contract structure for Whangarei and Kaipara District Council

Three prospective bidders responded to our ROI, namely Currie Electrical Limited, McKay Limited, and Northpower Limited.

Contract 20071 for Streetlight Renewals and Maintenance was publicly tendered on the Tenderlink website on 23rd February 2021 and this tender closed on 13th April 2021.

Two conforming tenders were received as described below:

- Currie Electrical Ltd
- McKay and MGENZ Ltd

Tenders Received and Evaluated

The two tenders were evaluated using the Price Quality Method in accordance with the approved NTA Procurement Plan and NZTA's Procurement Manual.

Members of the tender evaluation team scored each of the non-price attribute responses individually. Whilst reference checks were undertaken by Resolve Group Ltd. This was passed on to the TET members for consideration. Thereafter the Tender Evaluation Team moderated and agreed to the final attribute scores.

Once the final non-price attribute scores were finalised the tender price envelope was opened by the tender secretary. An arithmetic check was undertaken, and no errors were found. Tabulated below are the tender prices.

<i>Tenderer</i>	<i>Price (Excl. GST)</i>	<i>Supplier Quality Premium (SQP)</i>	<i>Adjusted Tender Price (Excl. GST)</i>
Currie Electrical Ltd	\$1,907,023.66	\$79,173.37	\$1,827,850.29
McKay and MGENZ Ltd	\$2,222,953.37	0	\$2,222,953.37
Engineer's Estimate	\$1,554,020.65		

Currie Electrical Ltd tender was found to have the lowest overall adjusted tender price and is therefore the preferred tender. This tender also had the lowest tender price.

As the Currie Electrical Ltd tender price was higher than the Engineer's Estimate, a price negotiation was held with Currie Electrical Ltd on 29th April 2021 by the Contract Organizer and the TET Chair. This resulted in a revised tender price as tabulated below.

<i>Tenderer</i>	<i>Initial Price (Excl. GST)</i>	<i>Total Reduction</i>	<i>Final Price (Excl. GST)</i>
Currie Electrical Ltd	\$1,907,023.66	\$180,796.84	\$1,726,226.82
Engineer's Estimate	\$1,554,020.65		

Financial

The Currie Electrical Ltd tender has a negotiated tender price of \$1,726,226.82 (excluding GST). This is 11% higher than the Engineer's Estimate which is reasonable because Kaipara District Council never had a proper

streetlight maintenance contract and Whangarei District Council's streetlight maintenance rates date back to 2015.

A comparison of the present tendered rates for the applicable items in the schedule of prices reveal a 44% increase in the rates when compared to 2015 rates. In the absence of comparative historical rates, the Engineer's Estimate seems sound.

The schedule of quantities for both the Councils have been kept separate in the contract to ensure accurate cost reimbursement to WDC from KDC which will be in line with the back-to-back agreement between the two Councils.

Tabulated below are the tendered rates and engineer's estimate for the two Councils.

<i>Tenderer</i>	<i>Kaipara District Council</i>	<i>Whangarei District Council</i>	<i>Total</i>
Currie Electrical Ltd	\$688,562.77	\$1,037,664.05	\$1,726,226.82
Engineer's Estimate	\$645,905.60	\$908,115.05	\$1,554,020.65

The LED streetlight conversion has seen an average reduction of \$12,600 in the electricity energy cost per month for WDC and \$9,800 for KDC when compared to 2018. This being so even with the installation of an additional 1,392 streetlights in WDC over the same period.

Whilst the benefits of LED streetlight conversion are being realised, the reality is that the streetlight infrastructure which consist of the LED luminaires, mounting brackets, outreach arms, steel and concrete lighting columns and the electrical systems still need to be maintained to ensure streetlight functionality and public safety.

In a span of five months from October 2020 to April 2021 in WDC 34 streetlighting columns have been replaced at a cost of \$154,644.95 as they had either failed or were damaged by vehicular accidents. The actual conditions of the streetlighting assets in KDC are not known due to the absence of streetlight asset condition monitoring and management over the years.

It is imperative that these streetlights that comprise of electrical as well as structural assets are maintained to a high standard as they pose a significant risk to the public should either the electrical or structural integrity be compromised.

Funding

The requested funding in the LTP and NZTA's funding subsidy included the costs for the streetlight maintenance contract and streetlight power supply. There is sufficient budget provision within WC122 (Opex) and WC222 (Capex) to award this contract and this has no implication on the current levels of funding requested from Council in the LTP and the indicative funding provision from NZTA.

Tabulated below are the budget splits for the two Councils based on the present Opex and Capex in the LTP.

WDC – Streetlighting budget split

<i>Budget Description</i>	<i>Budget (\$) excl. GST (2yrs)</i>	<i>Remarks</i>
Streetlight Maintenance	\$432,664.05	<i>Traffic Services Maintenance Work Category (WC 122 - Opex)</i>
Streetlight Renewals	\$405,000.00	<i>Traffic Services Maintenance Work Category (WC 222 - Capex)</i>
Amenity Light Maintenance & Renewals	\$200,000.00	<i>Traffic Services work category (WC 122 & WC 222)</i>
Total Available Budget	\$1,037,644.05	
Final Tender Price	\$1,037,644.05	

KDC – Streetlighting budget split

<i>Budget Description</i>	<i>Budget (\$) excl. GST (2yrs)</i>	<i>Remarks</i>
Streetlight Maintenance	\$383,060.41	Traffic Services Maintenance Work Category (WC 122 - Opex)
Streetlight Renewals	\$236,211.53	Traffic Services Maintenance Work Category (WC 222 - Capex)
Amenity Light Maintenance & Renewals	\$69,290.83	Traffic Services work category (WC 122 & WC 222)
Total Available Budget	\$688,562.77	
Final Tender Price	\$688,562.77	

The Streetlight Renewal and Maintenance contract (CON20071) is a measure value contract and the schedule of quantity an estimation of the amount of work therefore any surplus towards the end of the respective financial year periods will be redistributed to the Traffic Services work categories WC 122 and WC 222, as necessary.

Chief Executive Approval

- Whangarei and Kaipara District Council Approval

Recommendation

1. The contract for Streetlight Renewals and Maintenance - WDC (**Error! Reference source not found.**20071) be awarded to **Currie Electrical Ltd** for a two year period for the tendered sum of **\$1,726,226.82** (One million, seven hundred and twenty six thousand, two hundred and twenty six dollars and eighty two cents) excluding GST.

CON21015

Early Start Agreement – Port Road Bridge Widening and Kioreroa Road Intersection Upgrade

Purpose

To approve an early start agreement for ordering steelwork and preliminary planning activity associated with Contract 21015 Port Road Bridge Widening and Kioreroa Road Intersection Upgrade for a maximum value to \$500,000.00 excluding GST.

Background

The Port Road Bridge Widening and Kioreroa Road Intersection Upgrade project includes the 4-laning of Port Road from the Port Road/Okara Drive roundabout to Kioreroa Road and upgrade of the Port Road /Kioreroa Road intersection. The Port Road Bridge Widening portion and the 4-laning to Kioreroa Road is being funded by MBIE through an agreement signed in November 2020.

A separate application has been made to Waka Kotahi NZ Transport Agency for funding of the Port Road / Kioreroa Road Intersection Upgrade.

Procurement

Contract 21015 was publicly tendered on the TenderLink website. Due to the tight timeframes involved in this project, the tender was based on a preliminary design of the bridge and intersection with the intention that the final contract price would be agreed with the preferred tender following the completion of the detailed design. Tenders closed on 6th May 2021.

Three conforming tenders were received as described below:

- Downer New Zealand Ltd
- Fulton Hogan Ltd
- United Civil Construction Ltd

These tenders were evaluated using the Price Quality Method in accordance with the Roadway Procurement Strategy and NZ Transport Agency's Procurement Manual.

The result of the tender evaluation process is described in the table below:

<i>Tender</i>	<i>Tender Price (excl GST)</i>	<i>Supplier Quality Premium</i>	<i>Adjusted Tender Price (excl GST)</i>
Downer New Zealand Ltd	\$17,134,329.29	-\$532,129.50	\$16,602,199.79
Fulton Hogan Ltd	\$17,988,289.47	-\$628,065.86	\$17,360,223.61
United Civil Construction Ltd	\$11,271,968.16	+\$421,456.25	\$11,693,424.41
Engineer's Estimate	\$12,634,147.07		

The United Civil Construction Ltd tender was found to have the lowest overall adjusted tender price and is therefore the preferred tender. This tender also had the lowest tender price which is significantly lower (>\$5M) than the other tenders.

Negotiations are currently being finalised with United Civil Construction Ltd based on the detailed design.

Early Start Agreement

Due to the tight timeframes associated with this project, an early start agreement is being proposed with a maximum value of **\$500,000.00** (excluding GST) to enable the preferred tenderer, United Civil Construction Ltd, to commence early work before establishing on site.

The early start agreement will enable the procurement of the steel casings and sheetpiles which are currently long lead items which have significant price escalation risk. It will also allow the preferred tenderer to carry out preliminary planning activities such as the preparation of quality plans, traffic management plans, health and safety plans and environmental plans etc.

An agenda item is also being prepared for the formal award of Contract 21015 which is to be submitted for approval at the full Council meeting on 22nd July 2021. The early start agreement will enable the preferred tenderer to "hit the ground running" as soon as the main contract is awarded.

Financial

These costs have been allowed for within the approved MBIE budget of \$10M for the Port Road Bridge Widening and are already covered as part of Contract 21015.

Chief Executive Approval

1. That the early start agreement associated with Contract 21015 Port Road Bridge Widening and Kioreroa Road Intersection Upgrade be approved and signed by the Chief Executive.

5.2 Infrastructure Operational Report

Meeting: Infrastructure Committee
Date of meeting: 12 August 2021
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

To provide a brief overview of work occurring in the current financial year, across services that the Infrastructure Committee is responsible for.

2 Recommendation

That the Infrastructure Committee notes the Infrastructure Operational Report update.

3 Background

In November 2019, Council adopted committee terms of reference for the 2019 – 2022 triennium, with the purpose of the Infrastructure Committee being to ‘oversee the management of council’s infrastructural assets, utility services and public facilities’.

This report provides the Committee with a summary of Infrastructure operations during June - July 2021.

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council’s Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

Infrastructure Operational Report – June 2021

Infrastructure Group

Monthly Operational Report

June 2021

Infrastructure Monthly Operational Report

Reporting Officer: Simon Weston (General Manager Infrastructure)

Date: August 2021

Contents

Page Number

Projects Overview_____	<u>3</u>
Infrastructure Planning & Capital Works_____	<u>7</u>
Infrastructure Development_____	<u>7</u>
Health and Safety_____	<u>11</u>
Waste and Drainage_____	<u>13</u>
Roading - Transportation_____	<u>19</u>
Parks, Recreation and Solid Waste_____	<u>28</u>
Water Services_____	<u>32</u>

Projects Overview

Infrastructure Planning & Capital Works

Planning & Capital Works Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Major Projects - Sense of Place				
New Town Basin Park	Construction	Oct-20	Dec-21	
Water feature, hard landscaping, lighting and toilets are in progress. The Loop is now detoured around the site. Contractor/Consultant: Robinson Asphalts/ Shorewise Engineering				
Town Basin Wharf & Boardwalk Renewals	Construction	Jan-21	Oct-21	
Piling, seawall, beams, steel complete. Retaining walls, stairs and timber structure to follow. Contractor/Consultant: Robinson Asphalts/ Shorewise Engineering				
Ball Clock (3rd party project)	Construction	Aug-20	Sep-21	
Off-site fabrication nearing completion. Work on foundations underway. Contractor/Consultant: GHK Piling / Cook Costello (not council contracts)				
Town Basin Bus Facilities Upgrade	Design	Jun-21	Sep-22	
Landscape design 75%, scope and materials review to meet budget. Contractor/Consultant: Isthmus				
Pohe Island Destination Playground & Public Toilets	Construction	May-21	Feb-22	
Earthworks complete. Drainage starting. Area outside playground footprint now stripped and hydro-mulched. Contractor/Consultant: United Civil Construction/WSP				
Pohe Island Master Services Installation	Construction	May-21	Aug-21	
All pipework now installed. Connection to existing mains still to be done. Pressure testing being undertaken Contractor/Consultant: United Civil Construction/Fraser Thomas				
Tamaterau Carparks Upgrade (TIF funded)	Design & Consenting	Nov-21	Mar-22	
Discussions with hapū on next the steps have begun. Layby area to be constructed first. Contractor/Consultant: Hawthorn Geddes, Arbolab, Mclean Tree Services, Northland Parkcare.				
Restoring the Mauri of Matapōuri Stg 1 (TIF funded)	Investigation & Design	Oct-19	Mar-22	
Recycling & rubbish facilities installed. Investigating toilet options. Dune protection at estuary complete. Contractor/Consultant: Synergine / WCTNZ				
Abbey Caves Car Park	Construction	Mar-21	Jul-21	
Construction commenced in March 2021. Carpark completion due July. Toilets to follow. Contractor/Consultant: EarthworX Rural & Civil Contractors / Hawthorn & Geddes				
Quarry Gardens Carparks (TIF Funded)	Consenting	Nov-21	Jul-22	
Cultural impact report required for consents. Working with Quarry Gardens to schedule physical works. Contractor/Consultant: Geospatial Services, Hawthorn Geddes, Arbolab, Landform Consulting, 4Sight Consulting.				
Major Projects - Parks & Recreation				
Matapōuri Beach Restoration	Physical Works	Apr-21	Oct-21	
Variation to consent approved to access sand from the beach. Sand removal works underway and anticipated to be completed by end of July. A number of storms have slowed progress. Contractor/Consultant: United Civil Construction, EngPro				
Princes Road Seawall Renewal	Physical works	Apr-21	Jul-21	
Construction works nearly complete. Contractor/Consultant: Huband Contractors, Hawthorn Geddes, Arbolab				
Ruakākā Sports Fields (Sand Removal)	Physical works	Sep-20	Aug-21	
57,000m ³ of sand removed. 27,000m ³ still to remove. Earthworx is currently removing a further 10,000m ³ . Contractor/Consultant: Earthworx Rural and Civil/ NZSTI				
Ngunguru Seawall Renewal	Design	TBC	TBC	
Developed design issued. Community meeting to be organised. Contractor/Consultant: Hawthorn Geddes				
Town Basin Lighting Renewals	Construction	Apr-21	Aug-21	
Works underway and progressing well. Delay with arrival of luminaries, now anticipated to be 7 August. Contractor/Consultant: McKay, Stephenson Turner, Fraser Thomas, Geoconsult, Treescape				

Pyle Road West Seawall Renewal	Procurement	Jul-21	Oct-21	
Contract awarded to Ventia. Works underway. Contractor/Consultant: Ventia, Hawthorn Geddes, Treescape, Geometria				
Waipu Youth Activity Zone - Skatepark	Design	Oct-21	Dec-21	
Contract awarded to Steve Bowling Contracting. Construction is scheduled to start in October 2021. Contractor/Consultant: Steve Bowling Contracting, RICH Landscapes				
Cobham Oval Carpark Upgrade	Construction	Oct-20	Jul-21	
Construction completion delayed to July 2021 due to wet weather. Contractor/Consultant: Clements Contractors / Hawthorn & Geddes				
Frank Holman Track Renewal	Procurement	Oct-21	Dec-21	
Consent granted. Works to be tendered and scheduled to start after winter. Contractor: TBC				

Major Projects - Water				
Whau Valley Water Treatment Plant	Construction	Mar-19	Oct-21	
Commissioned and in operation since May 2021 – Stage 1 completed in May 2021. Opening 28 July 2021 Contractor/Consultant: Ventia / Beca				
Major Projects - Waste & Drainage				
Whangarei WWTP Discharge Consent Renewal	Options Assessment	n/a	Aug-21	
Progressing CIA and Odour monitoring assessment Consultant: GHD				
Stormwater Network Consent Applications	Technical Reports	n/a	Dec-22	
Stormwater Catchment Strategic Assessment underway. Data gathering, asset updates & mapping continue. Consultant: Morphum Environmental / Zealandia Consultants				
Whangarei Heads Emergency Overflow Tanks	Design	Nov-21	Mar-22	
Investigation and options report is underway. Consultant: Mott MacDonald				
Major Projects – Compliance & Regulatory				
New Animal Shelter	Design	Nov-21	Dec-22	
Preparing RFT to go to the market for construction pricing. Consultant: WSP				
Major Projects – Venues & Events				
NEC Replacement Roof	Detailed Design	Nov-22	May-22	
Waiting for Consultants offer so detailed design can begin. Consultant: Beca				
NEC Changing Room Upgrade	Detailed Design	Nov-21	Jan-22	
Detailed design complete. RFT being prepared for construction contractor. Consultant: NZR				

Three Waters Delivery Plan Projects (\$11.78m DIA Funded)

Three Waters Delivery Plan Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Whareora Rd Watermain Renewal	Complete	Nov-20	May-21	
Renewal of 800m PVC main. Works complete. Contractor: Forte				
Rewarewa Rd Watermain Renewal	Complete	Dec-20	May-21	
Renewal of 800m AC main. Works complete. Contractor: United Civil				
Kamo Rd Watermain Renewal	Construction	Apr-21	Jul-21	
Mostly complete. An additional road crossing will be undertaken in July. Contractor: Northern Pipe and Civil				

Kioreroa Rd Watermain Renewal – Design Only	Design	n/a	Sep-21	
Renewal of 2200m AC main. Brought forward to align with CIP/PGF funded roading upgrade project. Consultant: WSP				
Whau Valley Water Treatment Plant - Stage 2	Construction	Jan-21	Dec-21	
Variation awarded for stage 2. On Track for completion December 21. Contractor/Consultant: Ventia / Beca				
Poroti Water Treatment Plant - Design	Design	Jun-21	Mar-22	
Design underway. Consultant: Beca				
Water Filling Points	Design	Feb-21	Mar-22	
One filling point completed. Ruakaka upgrade next. Other sites being investigated. Consultant: Beca				
Leak Detection – Water Supply Network	Investigation	n/a	Mar-22	
Work commenced. First sweep finished, second sweep due next summer. Leaks fixed. Contractor: Detection Services				
Network Modelling – Water & Wastewater	Implementation	n/a	Mar-22	
Updates to water models, and the Whangarei and Bream Bay wastewater models. Awaiting final reports for WW. Consultant: Mott McDonald				
Asset Condition Assessments – WW and SW	Implementation	n/a	Mar-22	
A programme of CCTV pipe inspections to obtain asset condition information to inform renewal priorities. Ongoing. Contractor/Consultant: Hydrotech				
Asset Data Improvements – 3 Waters	Implementation	n/a	Mar-22	
Work is ongoing on manhole surveys. Consultant: Simpson Shaw				
Enhanced Water Testing at Laboratory	Implementation	Apr-21	Sep-21	
Order has been placed with Vendor. Shipping delays. Equipment Supplier: DKSH New Zealand				
Hikurangi WWTP – Inlet Screen & Plant Upgrades	Design	Mar-21	Mar-22	
Membrane shed was demolished successfully. Data to be collected until Aug 21 to inform design. Contractor/Consultant: Aquareo/BPO				
Ngunguru WWTP – Inlet Screen	Construction	Jan-21	Mar-22	
Civil work for the inlet screen complete. Screen due in late July. Shipping delay due to Suez Canal issue. Contractor/Consultant: Smith and Loveless NZ				
Whangarei WWTP Building Seismic Upgrade- Design	Investigation	n/a	Mar-22	
Initial investigation complete. Progressing feasibility and design work. Contractor/Consultant: WSP				
Kauika Rd Wastewater Upgrade	Execution	July-21	Mar-22	
Contract awarded to United Civil. Construction start expected to be late July 2021. Contractor/Consultant: United Civil				
Heretaunga St Wastewater Upgrade - Design	Investigation	n/a	Mar-22	
Investigation and design to address surcharge and overflow issues. CCTV completed. Procuring designer. Consultant: TBC				
Te Ao Māori Decision Making Model	Execution	n/a	Mar-22	
Literature review commenced. Procuring project team. Planning hui to gain inputs across Northland. Consultant: WSP/Tapuwae Cultural Footprints				
Mātauranga Māori Report & GIS Capture	Execution	n/a	Mar-22	
Project Execution Plan drafted. Investigation work commenced. Consultant: WSP				
Three Waters Reform Options for Northland	Completed	n/a	Jun-21	
Investment Logic Mapping workshops held, and reports finalised. Consultant: Rationale				

Waste and Drainage

Waste and Drainage Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
CON20055 - Whangarei Sewer Renewal 2019-2021	Construction	Feb-21	Aug-21	
Construction is underway. Contractor/Consultant: Hydrotech				
Heretaunga Catchment Sewer Upgrade Stage 1	Construction	Feb-21	Aug-21	
Construction is underway. Contractor/Consultant: MOD Shoring				
Marsden Bay-Ruakaka WWTP Rising Main Upgrade	Design	Oct-21	Jun-22	
Design is being finalised. Construction to start after sand mining is completed as advised by the landowner. Contractor/Consultant: Geospatial Services (GSL)				

Water Services

Water Services Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Water Treatment Plant Upgrades	Construction	Sep-20	Jun-21	
Various small scale works completed. Contractor/Consultant: Various				
Meter Replacements	Design	Jan-21	Jun-21	
Focus on large and bulk meters, work started after delays developing programme. Complete for year. Contractor: Downer				
Reticulation Programmed Works	Construction	Jul-20	Jun-21	
Armstrong Ave completed, Barclay Place Complete. Contractor: Downer				
Minor Projects - Emergency Works	Design	Jul-20	Jun-21	
Ruakaka Clarifiers complete, Dent Street crossing complete. Contractor/Consultant: Various				
SCADA Upgrade	Construction	May-19	Dec-21	
Ahuroa, Poroti, Maungakaramaea, Mangapai, Ruddells complete. Just Ruakaka and small sites left. Contractor: Mckay				

Roading/ Transportation

Roading Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Port / Kioreroa Intersection Upgrade (CIP)	Design	May-21	Nov-22	
Tender evaluation for main contract being finalized and likely to start in July. Enabling works to relocate services starting in June. Consent application being lodged. Contractor/Consultant: United Civil Construction / WSP				
Raumanga Shared Path (CIP)	Design	Oct-21	Jun-23	
Preliminary design underway, including route confirmation. Contractor/Consultant: TBC / JAS Civil				
Tikipunga Cycle Trail Stage 2 (CIP)	Construction	Nov-20	Jun-21	
Path and bridge complete Contractor/Consultant: Bridge It NZ/ Northland Parkcare				
Kamo Shared Path – Kensington Avenue Link (CIP)	Under construction	May-21	Jul-21	
Under construction. Contractor/Consultant: Ventia NZ / JAS Civil				

Infrastructure Planning & Capital Works

Infrastructure Planning

The Proposed Regional Plan for Northland (PRPN) decision version was released in June 2019. It was determined that WDC and FNDC would not pursue an appeal but would join any appeals as a s274 party. Four out of the five appeal points have been resolved. The vehicles on beaches and livestock exclusion from around water takes appeal points has been deferred until September 2021 due to conflicts with the National Environmental Standards – Freshwater.

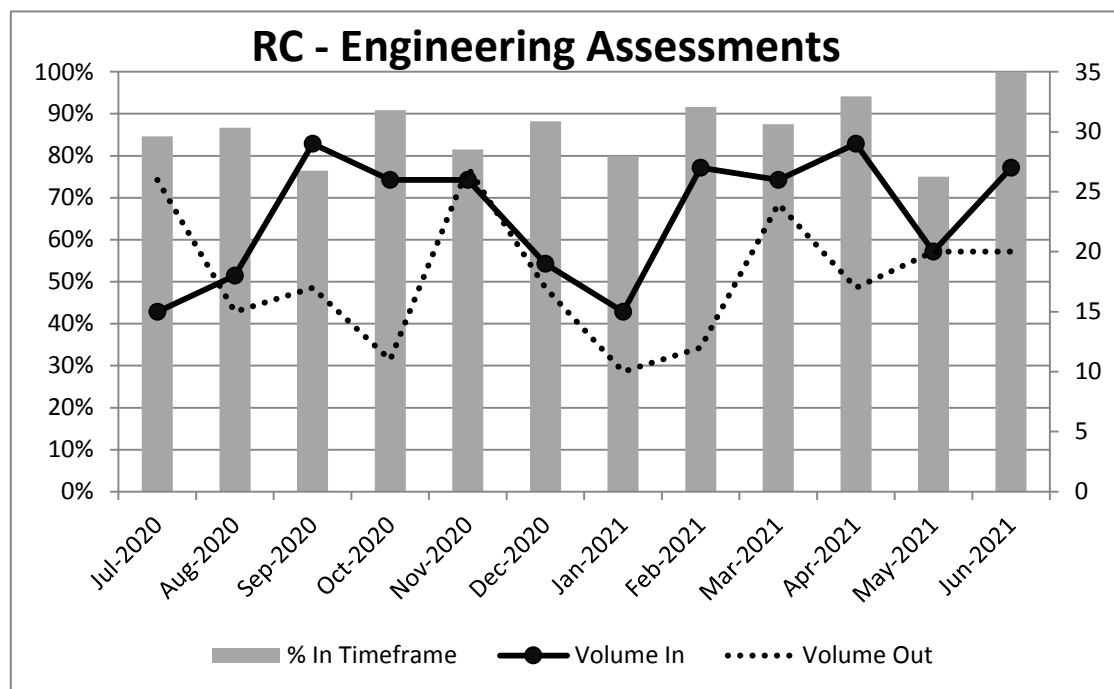
Work is continuing to support the District Plan team on the infrastructure capacity in areas of the district where the proposed Urban zoning is appealed and progressing to mediation or Environment Court. Work is also underway to ensure infrastructure requirements are accounted for within PC150 – Marsden City private plan change.

Work has commenced on advising on the Natural Hazards chapters of the District Plan which will involve consequential amendments to the Three Waters sections.

Work with the Climate Adaptation Te Taitokerau (CATT) group from an infrastructure perspective continues with the development of a Climate Adaptation Strategy for the four Northland Councils. Work also continues in the planning for a pilot community adaptation plan.

Infrastructure Development

Development Engineering



New Applications

Development	Location	Size (Lots)
Evo Holdings	Vinegar Hill	4
Establish a coffee bean grinding/roasting operation	Abbey Caves	1
Apotu Road	Kauri	6
Commercial Autos Limited	Industrial	1
Woolworths NZ Ltd - Signage	Kensington	1
Pompallier Estate	Maunu	4
WFH – 50,000m3 earthworks	OTP	1

Engineering Plans

Development	Location	Size (Lots)
Ferris – South Road	Waipu	8
Classic Builders Stage 1	Tikipunga	28
Workman Properties Stg 3, 4 & 5	Avenues	21
North – Bayview Place	Whangarei Heads	2
WFH Properties – Stage 4b	OTP	56
Morgan	Boundary Road	5
The James	TMB	6

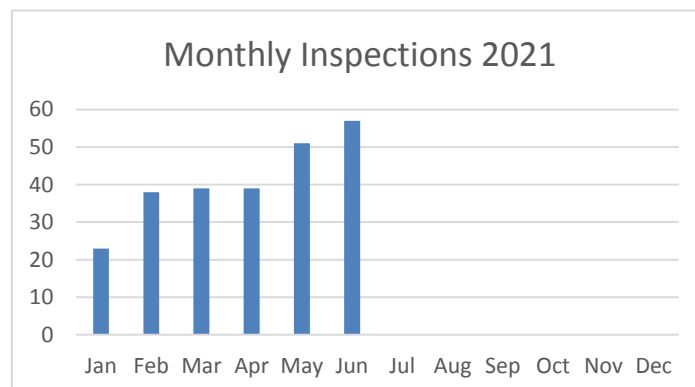
Developments under construction

Development	Location	Size (Lots)
Puriri Park	Puriri Park Road	37
Bream Bay Village	One Tree Point	75
Nova Scotia	Waipu	18
Marsden Cove Ltd	Stace Hopper Drive, One tree Point	70
TMB Developments	Three Mile Bush Road	28
Rock Solid	Kamo	91
Totara Parklands – Stage 8	Tikipunga	52
Barrett Homes - Stage 3	Tikipunga	38
Parklands – Stage 2	Kamo	26
Summerset Retirement Village	Tikipunga	1
Jessie Trust	Tikipunga	98
WFH The Landing Stage 4	One Tree Point	56
Logyard Road	Port Road	9

The number of applications received in June for Engineering assessment were 27. A total of 20 reports were issued and 11 placed on hold for further information. This is a high number of new applications for this time of year. The 27 applications are above the 5-year average of 24.

In June the engineers achieved a 100% rate for completing reports on time. Two reports were approved by the Team Leader on day 9 and 10, slightly over the 8 days but still well within the 20 days. We are currently one team member short and the team have worked hard to meet the extra demand placed on them. A total of 67% of applications were processed by Council staff in June, the balance was completed by our consultants. This number will increase when we have a full team. We are actively monitoring our staff for fatigue.

Our team has been very busy with inspections, completing a total of 57 inspections in June. Construction has not slowed down as expected during the winter months. As can be seen in the graph below; inspections have almost tripled since January.

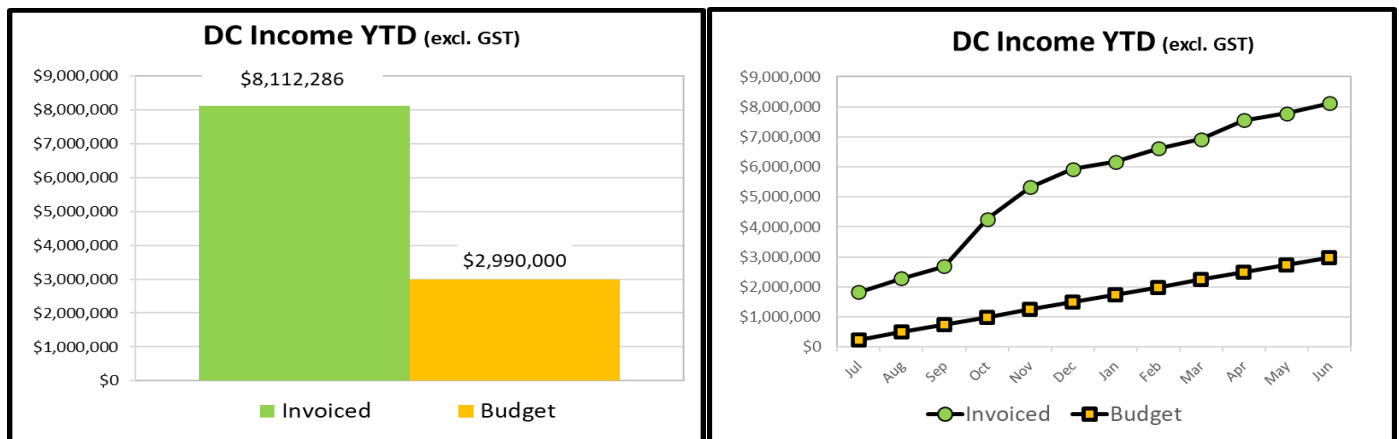




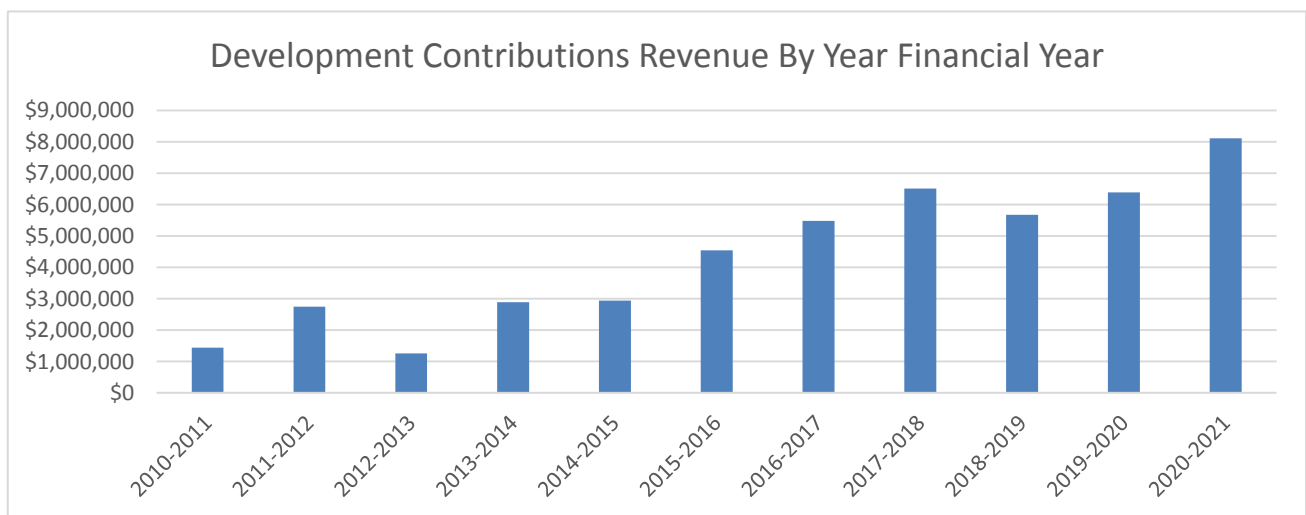
Gabion weir at the Sands Road development

Development Contributions

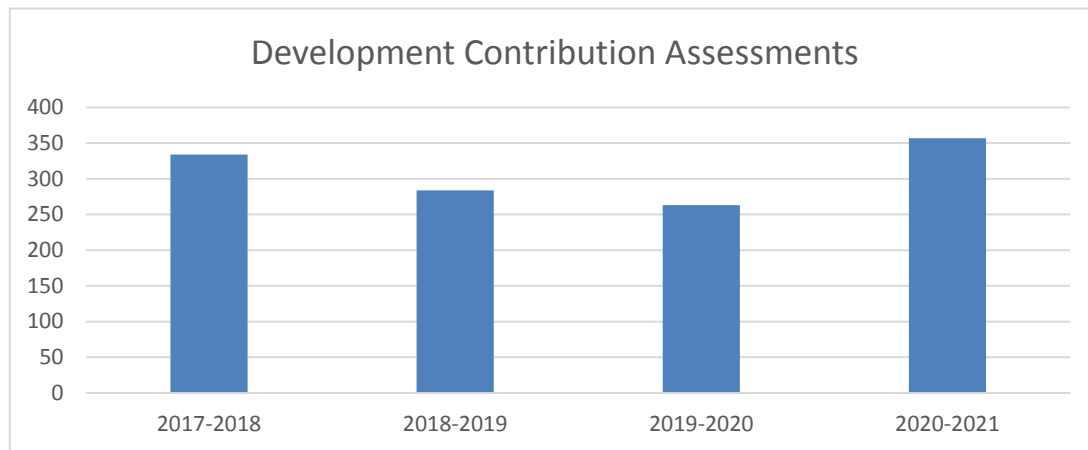
2020-2021 end of year revenue recovery is \$8,112,286. This shows the level of activity through the year even with Covid 19 interruptions.



Revenue 2010 - 2021



Assessments undertaken in the 2020/2021 showing the increase in activity over last year.



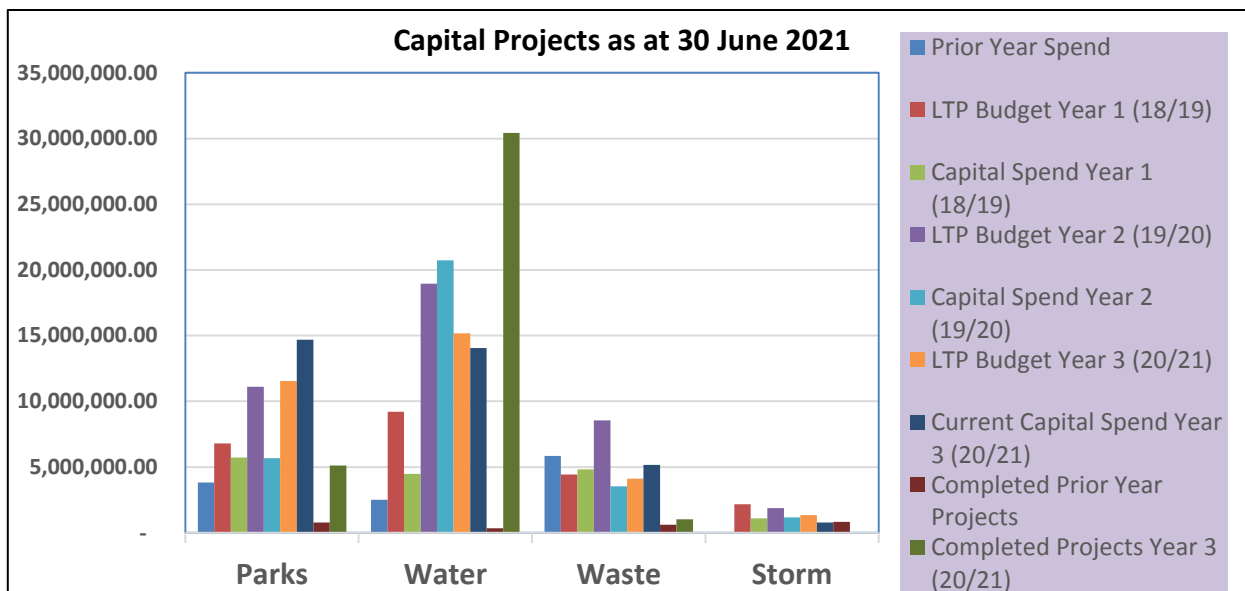
Infrastructure Support

Contract claims processed for the month of June was 67. The team processed 386 purchase orders in June. 72 Public Utility applications processed in the last month. The graphs below show a comparison of the Contracts, Purchase Orders and Public Utilities for the 20/21 financial year compared to that of the 19/20 financial year. Contract Payments have increased slightly with 15 additional claims processed in 20/21. Purchase Orders have also increased by 271 in the past year. Finally there has been an increase of 246 additional Public Utilities processed for the 20/21 financial year. .



Capitalisation of Assets

Below is the June graph showing a total WIP balance of \$65,123,444.26 across Water, Waste and Parks, which includes \$29,274,052.38 spend to date on the new Whau Valley Treatment Plant. Part of the remaining balance (1,138,392.16) is prior year projects waiting to be capitalised. (The figures may vary slightly due to the end year process under way and not finalised. Accruals and invoices paid at the 20th month need to be adjusted back into the correct financial year.)



SIGMA Project – Asset Management System upgrade

The new Project Manager is in the process of reading through all past documents and correspondence to ensure they are up to speed with the current state of the project. We are still waiting on some issues being resolved and further testing to take place to prove the system works as required. A new go-live date is still to be decided and then a project plan will be produced with the new time frames for testing and training.

Independent Qualified Persons Register Update

We have received a response from our experts and have taken it back to the industry for a response/acceptance. This process to engage fully with the industry has impacted our deadline including updating the Engineering Standards. An update report will be presented to the September Council Briefing.

Update to the Engineering Standards

The Engineering Standards update is proceeding. Transportation are pushing through on their review and we are currently in discussions with both Kaipara and Far North District Councils around having a single document for the region. An update report will be presented to the September Council Briefing.

Health and Safety

Health and Safety Risk Update June 2021

Staff reported incidents

Type of incident	#	Description
Pain and discomfort	2	<ul style="list-style-type: none"> A pain and discomfort situation reported through, from a pregnant employee. Another desk is being sought. A pain and discomfort situation was reported through by a pregnant employee. Suitable alternative seating arranged.
Near miss incident	2	<ul style="list-style-type: none"> An NTA employee reported they got their arm stuck in the automated swipe access front doors. A new Water employee had a near miss involving an aggressive dog that came out of a private property.

Contractor incidents

Type of incident	#	Description
WorkSafe Notifiable Event	1	<ul style="list-style-type: none"> Asset Construction Ltd reported a gas line strike in the Morningside area. It was quickly brought under control with emergency processes followed. While no one was hurt, this is a WorkSafe notifiable event, although they were happy for the contractor to proceed without their involvement.
Lost time injury (LTI)	3	<ul style="list-style-type: none"> A Fulton Hogan driver suffered a back injury when unhitching a trailer. A Northland Waste Ltd operator suffered a hand fracture after accidentally slamming a bin into the side of truck. A Northland Waste Ltd operator was swinging a bag up into the truck, but the bag contained a sharp item. The runner sustained a gash to his leg requiring stitches and time off work.
Medical treatment injury	1	<ul style="list-style-type: none"> A Recreational Services Ltd worker suffered a needle prick when removing a black plastic rubbish bag from a public rubbish bin. The worker was taken to hospital for checking and tests, plus ongoing wellbeing support offered.
Minor injury	3	<ul style="list-style-type: none"> A Hydrotech Ltd worker got knocked over while climbing an electric fence. Processes have been changed following this incident. A Robinson Ashphalt Ltd worker was helping to lift and place heavy steel joists/beams into place for the new boardwalk. The work area was particularly awkward. He was wearing gloves - his finger got squashed under a joist/beam when placing it into position. A Recreational Services Ltd worker suffered a grazed cheek as he stood up after doing some weeding and connected with a tree branch.
Incidents	3	<ul style="list-style-type: none"> A Downer NZ worker got stuck in an excavation as it began flooding. He was successfully retrieved but Downers reviewed and will ensure that there is adequate pumping resources in place before entering future excavations. A Recreational Services worker reported that some sort of gas seemed to ignite inside the steel pipe of a bike rack they were removing. This was investigated but it remains a mystery about how this occurred.
Security incident	1	<ul style="list-style-type: none"> A Fulton Hogan sub-contractor driver had an altercation with a MOP. They were dismissed from Fulton Hogan Sites.
Vehicle	5	<ul style="list-style-type: none"> Hydrotech reported one of their trucks got stuck on muddy ground while reversing and needed a tow out. Hydrotech reported one of their trucks struck a fence post on a tight driveway, without a spotter and the truck step broke off. A Recreational Services worker was driving along Maunu road and was clipped by another driver, causing minor damage. The worker was subsequently 'retrained' as they had not reported the incident. A member of the public (MOP) hit a Recreational Services vehicle at the Kaka St/Porowini Ave intersection causing damage to the vehicle. The MOP admitted liability. Fulton Hogan reported one of their subcontractors was involved in a vehicle tip over at Ruatangata, while spreading metal. The driver received retraining.

While not an incident, a local WorkSafe inspector phoned into Council pointing out that there was a fall from heights risk on a high visibility waste-water project being conducted on Maunu Road. This was immediately reviewed and the contractor Hydrotech Ltd, took immediate steps in place to mitigate the risk.

Member of public incidents reported in the workplace

Type of incident	#	Description
Medical Treatment Injury		<ul style="list-style-type: none"> An elderly lady was walking across a Robinson Ashphalt Ltd site entrance, while another lady was pushing a pram in the opposite direction and forced the elderly lady to step out of

		the way. She then tripped over a HIIT stick. The lady with the pram carried on and did not stop. The lady fell to the ground and gashed above her eyebrow. Two Robinson Asphalts staff administered first aid then the lady's friend took her to White Cross for further treatment.
--	--	---

There were no Public safety incidents affecting members of the public or incidents affecting volunteers reported.

Council were very proud to support the local Northland Civil Contractor group, at their annual civil contractor awards. The \$2,500 health and safety award went to Higgins for their project conducted to improve safety in the Dome Valley. During the project there were four fatalities on the road (not in the contractor worksite) that their workers had to attend, which affected them greatly. Special safety measures to protect the workers on this busy road were introduced.

There is a proposal to amend our current requirements for new high-risk contractors to achieve an initial 75% SiteSafe health and safety pre-qualification score, instead of the current 50%. As most of our contractors already achieve this and we are quite above the national average, this is not foreseen as likely to cause any issues. There is a continued risk to continue to engage contractors who perform high risk work, without having sufficient systems in place to keep themselves and others safe.

Waste and Drainage

Operations and Maintenance

Whangarei WWTP

For the first 5 days of June, the plant witnessed a steady flow within the range of over 12,000 m³. After that, a significant storm event from 6th to 8th with total rainfall of 127mm elevated the flow to its maximum for the month at over 77,000 m³. From the 9th the flow dropped steadily to fluctuate at around 25,000 m³. On 22nd the plant received the second peak of flow just over 27,000 m³. From 23rd to end of the month, it saw a steadily declining trend to the plant. In conclusion, the trend was very similar compared to the same period last year.

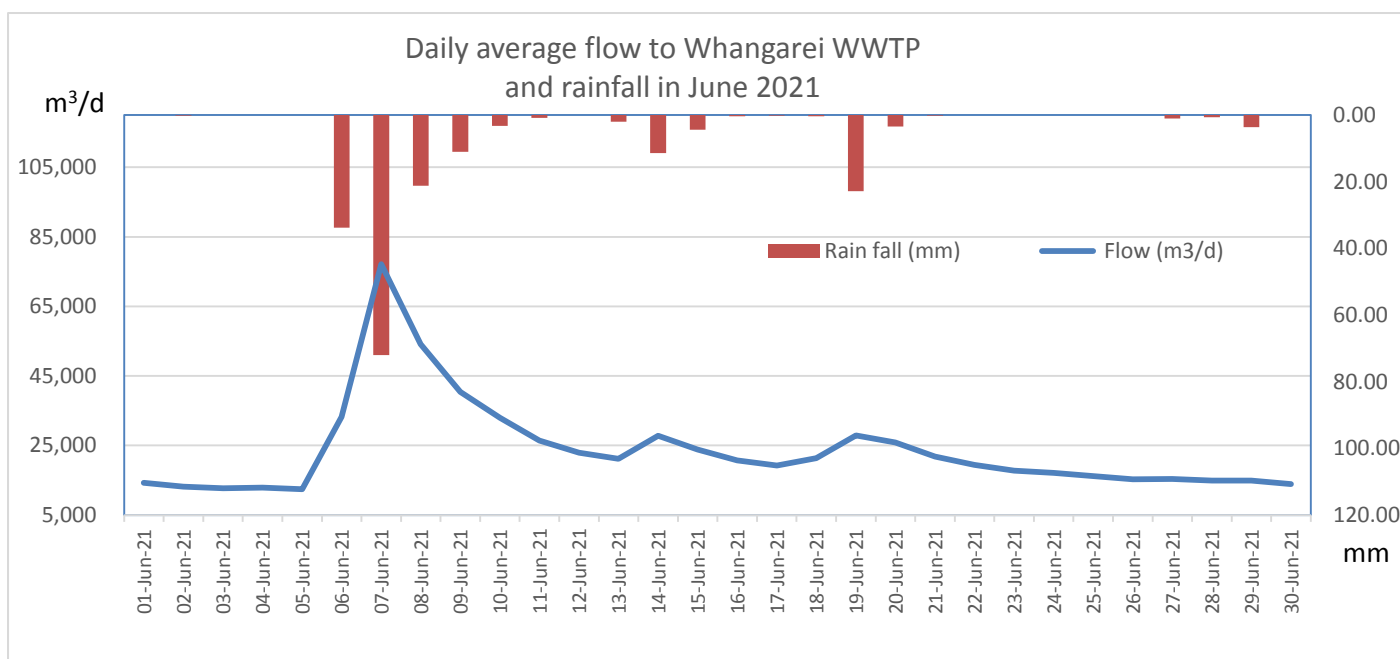


Figure 1: Graph showing the total daily flow into Whangarei WWTP in June 2021

Activities carried out at the main plant during June included:

- Earthquake strengthening options are being developed for the main building at wastewater treatment plant.
- Boiler 2 had been serviced and is running well.
- Repair completed on faulty EQ basin level sensor.
- Primary clarifier no3 had a new blower.
- 80KVA generator WOF test completed.
- Grit clarifier no 2 was cleaned.
- Elevated high turbidity alarms during wet weather event.

- Polymer dosing water system fault due to sensor, issue was repaired.
- New Permit To Work (PTW) procedure to be implemented.

Whangarei WWTP Resource Consent Renewal project

The consultant was engaged to undertake an assessment of ecological effects to support the resource consent application. The scope of this assessment includes the effects of the WWTP discharge into Limeburners Creek and the nearby receiving environment on the following:

- Coastal and marine habitats,
- Intertidal sediment quality,
- Benthic macroinvertebrates,
- Fish, and
- Birds.

1. Effect on coastal vegetation and habitats

The primary effect of the WWTP discharge on estuarine vegetation is inputs of nutrients and suspended sediment, which could result in the modification of habitats. Limeburners Creek and the nearby Hātea River already contain elevated levels of sediment nutrients, have elevated organic matter content, and generally contain fine muds from historic land clearance and catchment-wide land use change.

These conditions have resulted in dominant coverage of mangrove forests, which have likely reached their near-maximum extent in Limeburners Creek and the nearby receiving environment. It is unlikely that the inputs from the WWTP will notably modify the nearby existing intertidal areas nor affect the extent of mangroves present.

Overall, the effects of the WWTP discharge on vegetation and coastal habitats are likely to be no more than low and likely negligible.

2. Effects on intertidal sediment quality

The greatest difference in intertidal sediments in Limeburners Creek from those measured in the Hātea River and Awaroa Creek is the elevated total phosphorus levels. This is likely a result of the WWTP discharge, which was shown in the water quality report to have elevated phosphorus levels. The other sites did not have substantially elevated sediment phosphorus levels which suggests it is isolated to Limeburners Creek.

Such elevated levels of phosphorus will contribute to the already generally elevated sediment nutrient levels found in the upper Hātea area and could provide additional stress to benthic organisms. However, as described in the next section (3), benthic macroinvertebrates are not notably different between the lower Limeburners Creek and Awaroa Creek sites, which suggests that the biota present are tolerant towards nutrient-enriched sediments.

The concentration of sediment metals at all sites was below the NRC sediment quality guideline from the Proposed Northland Regional Plan. This suggests that there is no significant accumulation of metals in the sediments from the WWTP discharge

3. Effects on benthic macroinvertebrates

Monitoring at a sites both upstream and downstream of the wastewater treatment plant discharge showed a notable differences in the benthic communities at these two sites, with downstream of Limeburners having on average 226% more individuals and three more taxa per core, and higher species diversity (Shannon Wiener score 0.12 higher). This indicates a more populated, diverse, and even benthic community at the downstream site. Such changes are most likely attributed to the differing habitat (cobble mud upstream, soft mud downstream) and the strong freshwater influence causing large salinity gradients at the upstream site and no exposure to the WWTP discharge.

Further, downstream of Limeburners is exposed to greater volumes of the WWTP discharge than the upstream site, being closer to the mouth of Limeburners Creek. The benthic communities at the downstream site were very similar to those at the Awaroa site, which was used as a comparison, away from Limeburners Creek. Such similarities between these sites suggest that the WWTP discharge is not having a significant effect on the benthic communities at Limeburners downstream. Likely, other environmental stressors, such as substrate muddiness, have a greater influence on the benthic community composition in the area.

4. Effects on shellfish

The high-value shellfish species identified at the mouth of Limeburners Creek, the nearby Hātea River and known to be in the general area are cockles, wedge shells, and oysters. The greatest influence on the abundance of these species in the area is likely to be the sediment quality, most notably the proportion of mud. High sediment mud content generally results in fewer high-value species. Water quality monitoring showed relatively low concentrations of suspended solids or, at the least, concentrations that are unlikely to result in further increases in sediment mud content.

Sediment monitoring showed that metal concentrations were below concentrations known to cause chronic adverse effects. This indicates that metal concentrations in the sediment are unlikely to have adverse effects on shellfish in Limeburners Creek or the nearby receiving environment.

Overall, it is considered that the effects of the WWTP discharge on nearby shellfish populations to be low.

5. Effects on fish

Of the fish species likely to utilise the local estuary for feeding, shelter, spawning or as a migratory route, only the short-jaw kokopu is recognized as 'threatened' based on its conservation status, which is 'Nationally Vulnerable'. Four species are classed as 'at risk', all of which are declining, with the remaining species classed as not threatened.

While the discharge from the WWTP has the potential to result in adverse effects on fish species, these species are highly mobile and can actively move away from the discharge. The WWTP discharge is also one of many sources of potential contaminants (sediment and nutrients) that could affect fish in the wider Hātea River catchment. The most likely contaminant that could have adverse effects on fish is ammonia. Monitoring conducted by WDC laboratory to date has shown that ammonia concentrations were below levels known to have chronic toxicity effects on fish.

Overall, the potential effects of the WWTP discharge on fish species is likely to be low.

6. Effects on birds

Many bird species utilise the mangroves and adjacent tidal flats within Limeburners Creek and the surrounding area for feeding, nesting, and shelter. Birds could be affected by the WWTP discharge if it were to affect the bird's food sources (e.g., fish, shellfish, invertebrates), nesting and shelter (e.g., vegetation). There is the potential for the elevated nutrient concentrations from the WWTP to promote or sustain the abundance of invertebrates in intertidal sediments. This could be a small, positive effect.

The effects of the WWTP on fish, shellfish, benthic macroinvertebrates, and vegetation have been assessed as detailed above to be low; based on these assessments then, the overall effect of the WWTP discharge on birds is likely to be low.

Rural WWTP Major Operation & Maintenance

Ruakaka

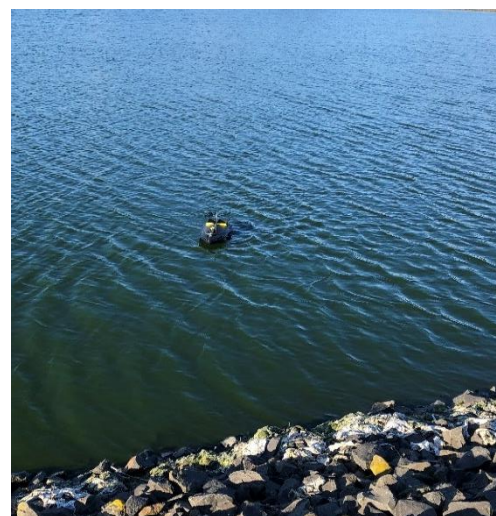
- 2 new surface aerators are now operational.
- One Tree Point rising main failed, sewer was directed into pond 2 without screening for the time being while the rising main is fixed.
- Wetland upgrade is progressing well.

Hikurangi

- Sludge survey for aeration pond completed, report to follow.
- Extra instrumentation installed at the aeration pond including: Dissolved Oxygen (DO) and pH probes.
- DO at the aeration pond is 10.00 mg/L five times higher than recommended, operations team will turn the aerator off for a week to optimize power consumption.
- A subcontractor has submitted a quotation to rebuild the shed.
- Inlet screen is arriving in late July due to shipping issue.

Ngunguru

- The Surface aerator for Ngunguru arrived. Our subcontractor has been working to accommodate the new requirements such as: power cable, new anchor blocks.
- Inlet screen is arriving in late July due to shipping issue.



Sludge survey by a radio controlled boat.

Tutukaka

- Communication issue, power supply to Remote terminal unit (RTU) changed but it was suspected land line issue following heavy rain. NRC was updated. Operation team monitoring the situation.
- UV system was serviced.

Portland

- Base cell settings reloaded to see whether that helps with Portland comms. Operation team still monitors this issue.

Reticulation

There were two recorded spills incidents in the June period

Date Spill Started	Date Spill Detected	Date Spill Ceased	Location	Cause	Volume (m ³)	Type of Sewage	Action Taken
8/06	8/06	8/06	16 Heretaunga Street	Surcharging cease pit due to capacity issues	5	Raw/unscreen	NRC and DHB notified, isolated from public, on conclusion notification will be updated and area will be cleaned and disinfected
12/06	12/06	12/06	Lake Drive	Fat and rags caught	3	Raw/unscreen	NRC and DHB notified, signs placed on walk way, solids cleaned up and lime applied. Lines heavy cleaned to remove coarse metal.

Stormwater complaints under investigation

Key for table:

Stormwater complaints	Under investigation with works to be determined. If not noted, completion dates unknown until full investigations are complete and approval of works is given.
Stormwater complaints	Completed and shall be removed in next report

No	Location	Area	Description of problem	Progress Update and responsibility (if not W&D)
1.	Whangarei Club on Rust Ave,	(CBD)	Report of major storm damage to roof.	Under investigation – Roding
2.	240 Western Hills Dr	Avenues	Report of culvert along the drive has been eroded significantly in the storm putting water meters, driveway, sewer line and road side power pole at risk.	Corridor Access Request has been requested for works to start in July.
3.	Third Avenue	Avenues	Stormwater open drains are not functioning	Under investigation
4.	98 Walton Street	Avenues	Issue with stormwater manhole and lid.	Investigation completed. Operations team will repair and tidy up the stormwater manhole area.
5.	69 George St	Hikurangi	Open drain is really effectively on the boundary of the two properties here – scouring is undermining properties	Under investigation
6.	1 Union Street,	Hikurangi	WA095519 Caller advises that there is a stormwater drain that runs along the side of their fence line and they want to fill it in.	Under investigation
7.	137 Pipiwai Road	Kamo	WA098193 Stormwater problems to property.	Some localised drain clearing completed in June.
8.	16 Mcainch Place	Kamo	Storm flooding in properties	Under investigation
9.	8 Mair St	Kensington	WA091528 Stormwater concerns	Under investigation

No	Location	Area	Description of problem	Progress Update and responsibility (if not W&D)
10.	Wrack street	Kensington	WA092872 Water team removed the water main, operation team will carry out further investigation	Under investigation
11.	18 Zealandia Street	Kensington	WA093237 Report of stormwater drain on Mains Avenue not working properly and water runs straight down to Zealandia Street causing properties to flood.	Met with the customer and site inspection completed. Stormwater maintenance work is sent to council contractors.
12.	Kamo Road	Kensington	WA092758 Request for road hump between King St and Zealandia St be removed to allow water to flow down Kamo Rd.	Under investigation
13.	13 Henry Street	Kensington	WA094012 Report of property being flooded due to lack of stormwater remedies.	Under investigation
14.	Austin Rd / Belle Lane	Maunu	WA067589 Belle Lane and Austin Road – flooding to properties and schools on lower side of Austin Road. Issue with soakage trench capacity. Indicative Overland flowpath routing was explained to the customers on site, measures to manage these flows were discussed in the meeting.	Met with the Customer, site inspection completed. Meetings & discussions were held with the concerned officers from the neighbouring property developers to ensure stormwater controls in their development site are in place. Council's Building Control team has been advised of required stormwater controls in this development. - Building
15.	55 Anzac Road	Morningside	WA096956 Stormwater flooding on customer's driveway	Under investigation
16.	14 Porowini Avenue	Morningside	WA090402 Constant flooding of the buildings and land on this site	Under investigation
17.	4 Shoebridge Crescent	Ngunguru	WA090816 Flooding due to piping of open drain	Under investigation
18.	261 Oakura Rd	Oakura	Overland flow path has been blocked by new building which has been built at a higher level	Building responsibility
19.	5 Finch Street	One Tree Point	WA096401 Saltwater flooding in properties	Met with the Customer, site inspection is completed. Temporarily resolved seawater flows in the network. Robust resolution is underway.
20.	29 & 31 Cartwright Road	Onerahi	WA089899 Due to rain stormwater pipes & retaining walls are undermined.	Under investigation
21.	48 Handforth Street	Onerahi	WA092143 Runoff from airport into roadside drain and swale that directs water across road into properties causing flooding. RDG072222	Roading - Roading CRM fix completed. W&D to deal with water going down their driveways
22.	2 Kaiwaka Road	Onerahi	WA091997 Flooding damage to property from stormwater run off at airport.	Met with the customer, site inspection & investigation completed. Stormwater remedial works identified and to be actioned by council contractors.
23.	Sorrento Street	Onerahi	WA092375 Property flooded due to stormwater run off during July storm.	Under investigation

No	Location	Area	Description of problem	Progress Update and responsibility (if not W&D)
24.	64 West View Crescent	Onerahi	WA093082 Flooding to property and neighbours.	Met with the customer and site inspection completed. Added this area under Stormwater Renewal Projects List for reticulation upgrade.
25.	10 Montague Place	Onerahi	WA096659 Property flooded due to stormwater run off during July storm.	Met with the customer, site inspection & investigation completed. Stormwater remedial works identified and to be actioned by council contractors.
26.	20 Roderick Place	Onerahi	WA094991 Stormwater capacity near 20 Roderick place. Customer's house flooded in the July storm and has only recently been able to move back in.	Under investigation
27.	3 Charlise Place	Onerahi	WA095663 Customer wanting to remove large plants & tidy up a section of road	Under investigation
28.	64 Beach Road	Onerahi	WA090283 Stormwater run-off from the airport washed out property at 64 Beach Road	Under investigation
29.	Weir Cres / Cliff Street	Onerahi	WA092952 Reports of heavy rain events creating flooding run off to downstream properties.	Under investigation
30.	15 Bayswater Place	Onerahi	WA090137 Existing network is probably under capacity which results in flooding of private driveways.	Under investigation
31.	McKenzie Ave walkway	Onerahi	WA098958 Report of inadequate stormwater reticulation on McKenzie Ave walkway	Met with the customer and site inspection completed. Stormwater Renewal Projects List for reticulation upgrade.
32.	10 Nottingham	Onerahi	Stormwater manhole NOTTI0010DM damage urgent repair is required.	Approval granted to Hydrotech, replace the manhole. Update Housing New Zealand and its contractor Spencer and Henshaw.
33.	29 Weir Crescent	Onerahi	Flow from road not being intercepted by roadside drainage and flows down driveway of lower property	Under investigation - Roothing
34.	272 Beach Road	Onerahi	Drainage discharging directly onto road	Completed - Roothing
35.	46E Kohe Street	Parahaki	WA092370 Report of stormwater running down private right of way causing damage	Under investigation
36.	948 Whangarei Heads Road	Parua Bay	WA096324 Request to talk to the council engineer about stormwater drainage issues to get their building signed off.	Met with the customer, site inspection & desktop assessment completed. Recommendations to resolve stormwater drainage were explained to the customer.
37.	12 Ritchie Road	Parua Bay	WA099844 Caller has a fenced off easement area of water on her section that is councils. The fence is in need of repair and the caller is asking that this be repaired	Under investigation
38.	120 Tauroa St and Acacia Park	Raumanga	WA096324 Private stormwater drainage damaging private roads. Customer believes it belongs to Council.	Under investigation

No	Location	Area	Description of problem	Progress Update and responsibility (if not W&D)
39.	38 Murdoch Crescent	Raumanga	750 mm stormwater pipe collapsed	Investigation completed in June 2021. Stormwater pipe section to be replaced. Operation team is working with the subcontractor regarding method of construction and requesting landowner consent
40.	15 Kent Road	Regent	WA089912 Storm water issues at Kent Road - manhole that pops at the small roundabout at Kent Road during big rain events and floods downstream properties.	Met with the customer and site inspection completed. Further investigation in progress.
41.	Shortland Street	Regent	WA090796 Flooding at the intersection of Mill and Kamo Road – investigate connecting SW drainage along Donald St to Hatea Drive	Under investigation
42.	Dune Lake	Ruakaka	Reports of dead sea life.	Under investigation. Meeting held with NRC and customers to advance this. Awaiting guidance from NRC.
43.	33 Briden Drive	Tikipunga	Yard Flooding, customer requests for suggestions.	Under Investigation
44.	32 Whangaumu Rd	Tutukaka	WA093182 Flooding to lower lying properties across the road	Under investigation
45.	St Marys Rd	Waipu	WA090332 Roadside swale has been infilled to construct footpath and road berm. Pipe is very shallow at discharge and is being damaged by being driven over	Under investigation -Roading
46.	23 Stuart Rd	Whangarei Heads	WA096524 Reports of council infrastructure inadequacies damaging property	Under investigation. Responding to Ombudsman letter.
47.	275a Kamo Rd	Whau Valley	Open drain has been piped – capacity issues have resulted	Further investigation recommended.
48.	Glendale Rd	Woodhill	Request to install a grate to catch debris coming down from Coronation Reserve	Under investigation

Roading - Transportation

Maintenance Contracts

Programmed works completed during June were as follows:

- Brooks Road seal extension has been completed.
- Massey Road seal extension has been completed.
- Rehabs for the 2021/2022 season have been identified and are all in design stage.
- Roadmarking Safer Speeds Sites- Started 30 June 2021 continuing through July 21.
- New Culverts Installed - O'Carroll Rd - Bull Rd – Mangapai Caves Rd – Stead Rd – Tavinor Rd.
- Water Tabling – Ararua Rd, Bartlett Rd, Bint Rd, Bull Rd, Codlin Rd, Glenn Rd, Hewlett Rd, O'Carroll Rd, Omana Rd, Ormandy Rd, Paiawa Rd, Parakiore Rd, Snooks Rd, Stead Rd, Tauraroa Rd, Toe Toe Rd, Waionehu Rd, Rockell Rd, Hukerenui Rd, Owhiwa Rd, Beasley Rd, Lambie Rd, Whananaki South Rd, Whangarei Heads Area,,Ody Rd, Mine Rd, Te Toi Roa Rd, Kaiikanui Rd, Campbell Rd, Blue Horizon Rd.
- Steady progress is being made on the Dent Street upgrade with John Street now operating as a one-way street and the Hatea/Dent/Riverside intersection now under new light phasing.

- We have delivered multiple mill & fill sites over the course of June – Bank St - Walton St - Herekino St – Kamo Rd – Kioreroa Rd – Nova Scotia Rd.
- A total of 1400 notification letters were letter dropped to affected stakeholders for these works.
- Temporary pavement repairs actioned on Snooks Rd – Mititi Rd – Mangapai Rd – McDonnell Rd – Paparoa Rd.
- Mowing was carried out in the Whangarei Heads Area and Russell Rd Area.
- A vegetation spray round was carried out in the Heads Area, Kokopu Rd and on Taurikura Rd.
- A retaining wall was built on Hukerenui Rd.
- Metal overlays were put down on Riponui Rd, Lovell Rd Otakairangi Rd.

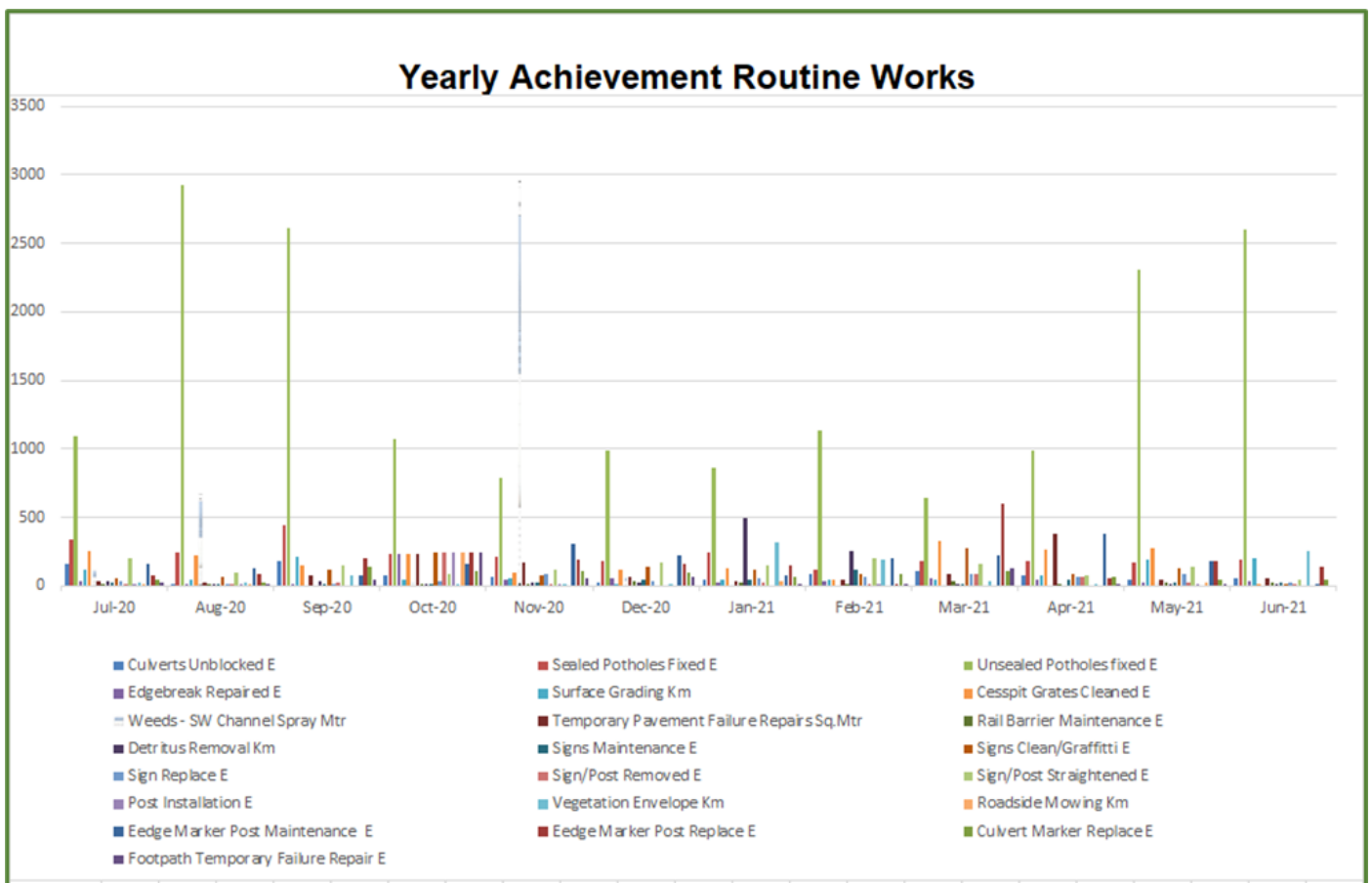
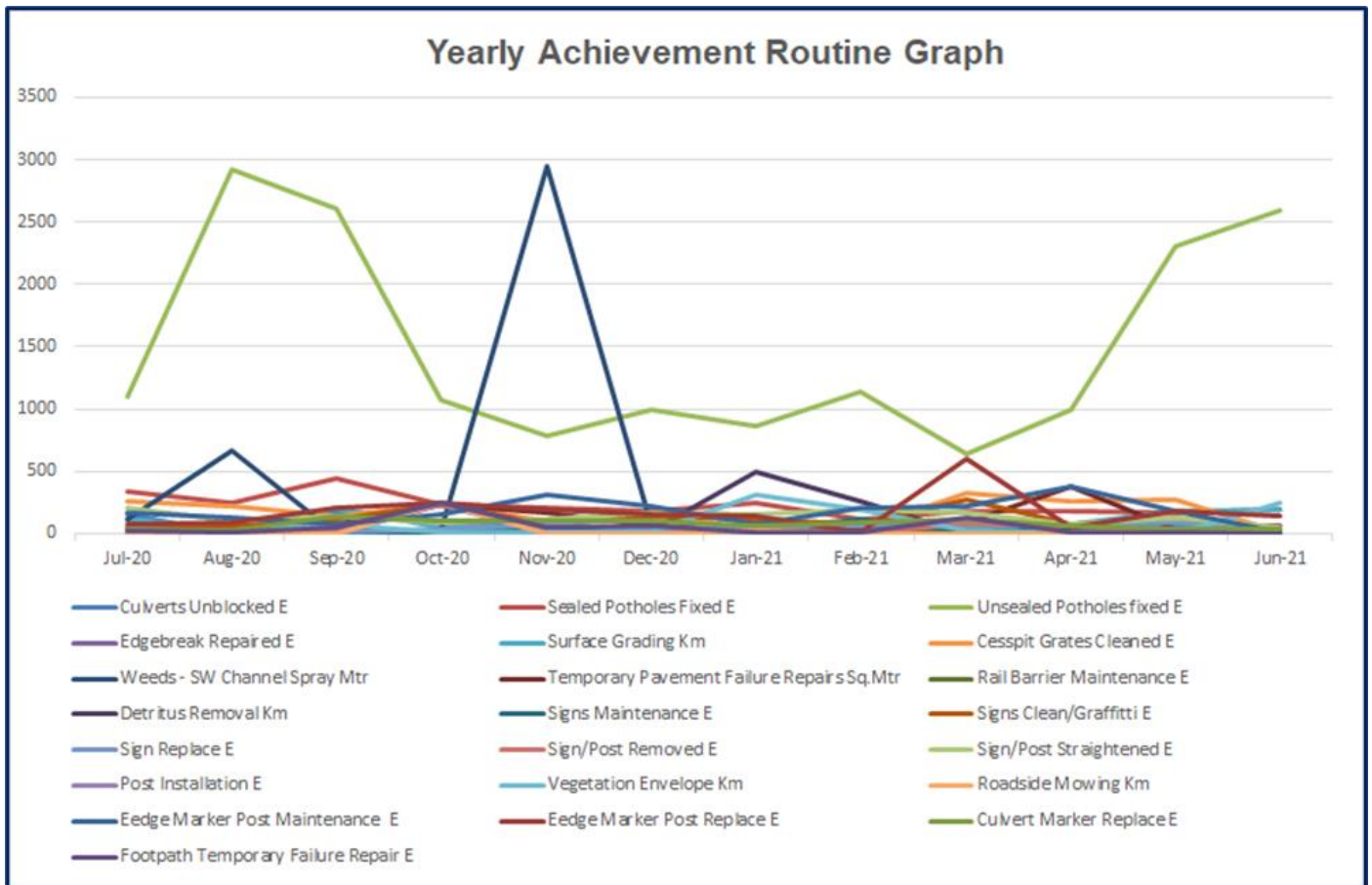
Routine Works completed this month.

- 121km of unsealed roads in the south were graded along with 3,145.1 m3 of aggregate applied and 3016 potholes filled.
- In addition, roads in the Mangakahia Area and Hikurangi Area were graded as well.
- Channels and grates continuing to be cleared
- Bridge maintenance cleaning detritus and painting of rails – Doctors Hill, Paparoa, Finlayson Brook, Codlin, Glenmohr, Schultz, Millbridge.
- Railings graffiti removal, painting, damage – McEwan, Hatea, Omana, Waipu Gorge, Walkway Vale, Raumanga Valley, SP Kamo, Mackesy, Shout, Valley View, Graham, Cove, Marsden Point, Loop, Station, Salle.



Kioreroa Rd Mill & Fills

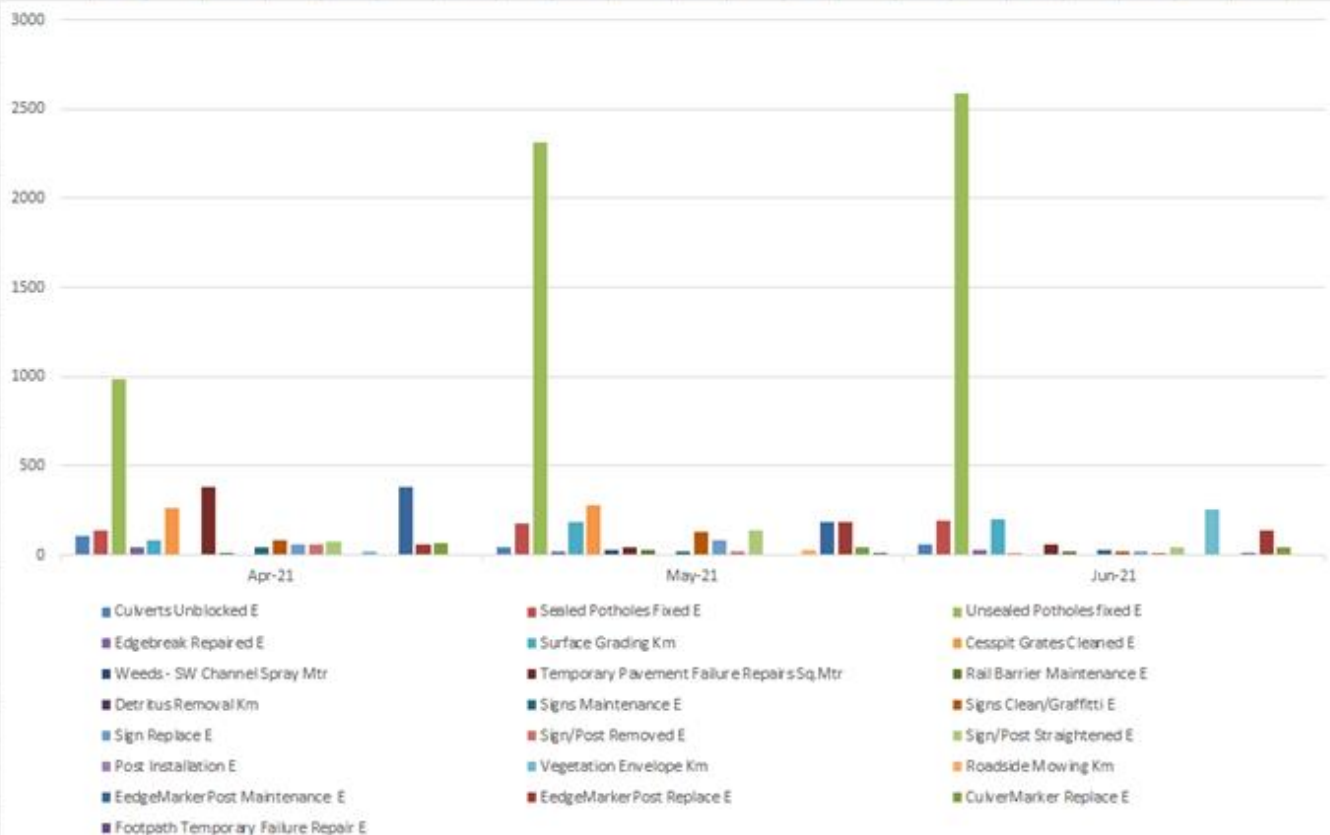
Yearly Achievement Report Graph 2020/2021

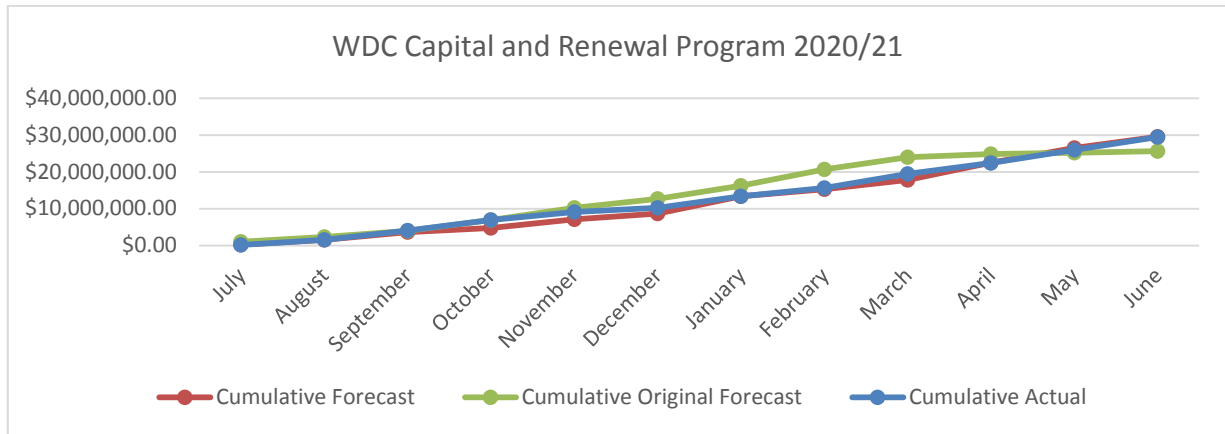


Maintenance Contract Routine Achievement Graph

3 Monthly Achievement Report - Routine Works

Activity	Culverts Unblocked	Sealed Potholes Fixed	Unsealed Potholes fixed	Edgebreak Repaired	Surface Grading	Cesspit Grates Cleaned	Weeds - SW Channel Spray	Temporary Pavement Failure Repairs	Rail Barrier Maintenance	Detritus Removal	Signs Maintenance	Signs Clean/Graffiti	Sign Replace	Sign/Post Removed	Sign/Post Straightened	Post Installation	Vegetation Envelope	Roadside Mowing	EdgeMarker Post Maintenance	EdgeMarker Post Replace	CulverMarker Replace	Footpath Temporary Failure Repair
	E	E	E	E	Km	E	Mtr	Sq Mtr	E	Km	E	E	E	E	E	E	Km	Km	E	E	E	E
Apr-21	108	139	989	45	79	264	0	382	9	0.3	41	81	60	61	72	0	17	0	379	56	67	8
May-21	44	174	2311	20	186	279	26	45	25	3.0	19	127	84	19	135	1	0	25	184	184	42	15
Jun-21	56	189	2587	30	197	15	0	57	19	0.6	26	17	23	10	45	0	252	0.1	13	136	40	0





Projects started in June

Category	Sub activity	Location
341 - Low-Cost Low Risk	Safety	Ngunguru Road - Murphy's Corner
CIP	Intersections	Port Road (Limeburners Creek) Bridge and Kioreroa Road Intersection

Photo Wall	
	
Kamo Shared Path – Kensington Park Link/ Boardwalk being constructed	Corner of Kamo Road and Steadman Drive in Whau Valley/ Pole and light installed
	
Port Road Bridge Widening/ Power relocation	Fairway Drive/ Power pole installation

Photo Wall	
	
John Street/ New islands to restrict to a one-way road	Morningside Road footpath renewal new wall to support Path

Significant Projects

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities
214 - Sealed Road pavement rehabilitation	Rehabs	Maunu Road	50%	Project cancelled.	Close out
214 - Sealed Road pavement rehabilitation	Rehabs	Mill Road	100%	Construction complete	Close out
214 - Sealed Road pavement rehabilitation	Rehabs	Rewa Rewa Road	100%	Construction complete	Close out
324 - Road Improvements	Intersection	Maunu/ Porowini Intersection	100%	Construction complete and Practical Completion Certificate issued. Final paperwork to come (as-builts etc.)	12-month Defects Period. Receive close-out documents and final claim from contractor.
341 - Low-Cost Low Risk	Bridge	Whangarei Heads Road	100%	Defects liability period	Defects liability period
341 - Low-Cost Low Risk	Intersection	Robert/ Walton Intersection	100%	Detailed design almost completed	Finalise detailed design
341 - Low-Cost Low Risk	New Footpath	One Tree Point Rd	100%	Completed	Completed
341 - Low-Cost Low Risk	Pedestrian Improvements	Dent Street Pedestrian Crossing Upgrade	95%	Construction nearly completed	Payments, RAMM and as built plans
341 - Low-Cost Low Risk	Safety	Ngunguru Road - Murphys Cnr	100%	Construction completed	Rectify snags

341 - Low-Cost Low Risk	Safety	Cove Road	95%	Construction nearly completed	Payments, RAMM and as built plans
341 - Low-Cost Low Risk	Speed	Various sites - Speed limit infrastructure	95%	Construction nearly completed	Payments, RAMM and as built plans
341 - Low-Cost Low Risk	Traffic Calming	Hikurangi Township (King Street/George Street/Valley Road)	100%	Complete	Complete
452 - Cycling Facilities	Cycleways	Kamo cycleway Stage 5 (Fisher Tce to Station Rd)	85%	Progressing design	Progress design depending on available funding in 21/22
Bus Shelter Renewal	Public transport	Rose Street Bus Terminal	39%	Detailed design being finalised. Tender documents completed and being reviewed. Project temporarily deferred due to uncertainty with Waka Kotahi funding through the Low-Cost Low Risk programme for 2021/24. Tendering of construction contract and placement of bus shelter order will follow confirmation of funding availability.	Project temporarily deferred until Waka Kotahi funding is known in September 2021. Complete detailed design and tender documents.
CIP	Cycleways	Kamo Shared Path Link	80%	Works progressing	Complete works
CIP	Cycleways	Raumanga Shared Path	10%	Design underway	Continue with design
CIP	Intersections	Port Road (Limeburners Creek) Bridge and Kioreroa Road Intersection	54%	Preferred supplier for main contract identified and negotiations underway. Enabling contractor engaged and works underway for power and telephone relocation. Site blessing by Te Parawhau on 2nd June at start of enabling works. Media release on WDC Facebook page regarding start of enabling works. Resource consent application lodged on 9th June.	Enabling contractor and service authorities complete service relocations to clear the bridge area. Negotiations with preferred tenderer completed. Award of main bridge contract in early/mid-July. Main contractor on site in late July. Intersection business case nears completion. Hui for cultural impact assessment completed. Resource consent approved.

				Cultural impact assessment continuing, and first hui on 30th June. Intersection business case progressing. Meeting with KiwiRail on 23rd June to confirm acceptable intersection layouts. Vibration monitors installed on boat shed. Preliminary landscape assessment completed.	
Redeployment Package	New Footpath	One Tree Point Rd	100%	Complete	Complete
Redeployment Package	New Footpath	Gillingham Rd	100%	Completed	Defects phase
Redeployment Package	New Footpath	Ngunguru Rd from Whg Falls to (or close to) Ngunguru Rd path	100%	Completed	Defects phase
Redeployment Package	New Footpath	Tauraroa Rd, Maungakarama	100%	Completed	Defects phase

Whangarei District Road Safety Promotion Report for June 2021

Child Restraints Programme:			
Where / When:	What:	Who:	Results
3, 10, 17th June 2021 @ 33 King Street, WHG	Car seat checks and installations	7 families	8 child restraint checks, 3 full installations, 4 technical faults picked up and advice given.
YTD	Car seats donated for the year	30 families between WHG & KPRA	- 23 Convertible car seats; - 15 for under 2yr olds, - 8 for over 2 and under 5 - 7 full Boosters all for over 4yr olds

NZME More FM Road Safety aired spots:	
More FM Weather Report for Northland Road Safety Trust June 2021 (focus on Motorcycle Safety)	
TIME ZONE	AIRED SPOTS
Weekend Weather	208
Weekday Weather (0930 - 1830)	352
Weekday Breakfast (0600 - 0905)	148

Whangarei District Road Safety Promotion Report June 2021

Road Toll	Total for 2019	Total for 2020	Total to June 2021
Whangarei	10	13	5
Kaipara	7	2	8
Far North	12	13	7
Totals	29	28	20

Fatigue Stops at Uretiti:

Planned Dates:	Completed	Vehicles Stopped	Interactions
23/10/2020	Yes	92	206
18/12/2020	No		
29/01/2021	No		
5/02/2021	Yes	112	226
01/04/2021	Yes	187	297



To make up for our missed fatigue stops we have teamed up with Oakleigh Service Station who will use these cups to offer free coffee to any driver they have identified as travelled a long distance.

This way we are still getting our message out there about fatigue and supporting drivers.

Drive SOBA for Recidivist Drink Drivers

Completed: 26/02/2021-21/05/2021	9 Completed
Current: 28/05/2021 - 13/08/2021	9 In Progress

Health & Safety: There are no health and safety issues to report

SAiD (Stop Alcohol Impaired Driving)

Allocated number June 21	12
Attended	6
Completed	5
YTD	19

RYDA

Schools	Students attended YTD
Tauraroa Area School	60 students attended
Northern Health School	10 students attended
Whangarei Boys High	180 students attended
Pompallier College	70 students attended
TKKM o Rawhiti Roa	10 students attended
Christian Renewal School	20 students attended
Whangarei Grils High	Booked 200 students for Nov 21

SADD - Short film competition EXTENDED to 09/07/2021



Calling creative minds

To support the **Drive In The Moment Toolkit** The Northland Road Safety Trust in partnership with Students Against Dangerous Driving (SADD)

Invite entries for a **SHORT FILM** around the dangers of distracted driving.

ENTRIES CLOSE
09/07/2021

1 First Prize \$3000
2 Second Prize \$1500
3 Third Prize \$500

Short films submitted to be no longer than 5 minutes.
The prize money is to be spent on the betterment of senior student facilities e.g. a common area, physical education equipment etc.

Entries to be submitted to:
ashley@roadsafenorth.co.nz
www.sadd.org.nz/driveinthemoment

Young Driver Programmes

		Passed	Active (getting mentored)	YTD (2021)	# of Mentors
People Potential (Whangarei):	Learner	4	N/A	56	
	Restricted/Full	2 Restricted	7	26	5
Ngatiwai:	Learner	1	1	18	
	Restricted	0	6	2	2
Bream Bay Community Trust:	Restricted	1	13	5	6

Drive SMARTA

Nil course in June			34 YTD completed
--------------------	--	--	------------------

Parks, Recreation and Solid Waste

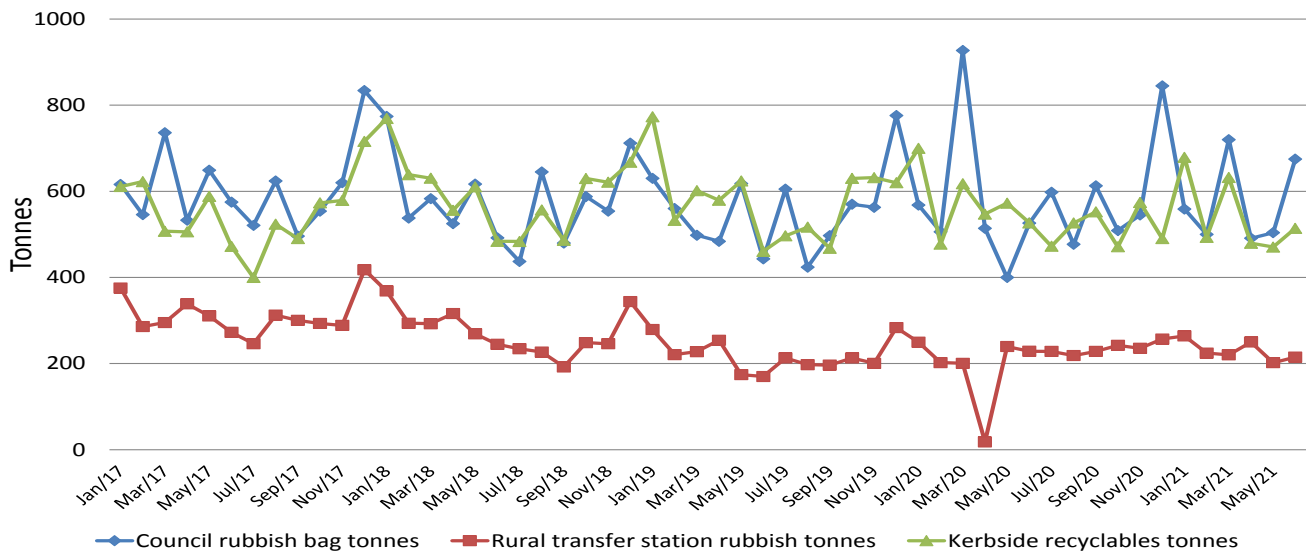
Operations

Solid Waste Operations

The rural refuse and recycling stations and kerbside Council rubbish collection service have both collected more rubbish than last year. It is believed that this is due to population and economic growth. The amount of material collected for recycling has reduced by 1.5% mainly due to a reduction in the amount of paper and cardboard collected.

Monthly waste tonnages are shown in the table and chart below.

Solid Waste Tonnes Jan 2017 - Year to Date



Council Rubbish Bag Collection Tonnes	2020/21	2019/20	RTS Tonnes	2020/21	2019/20	Recycling Tonnes	2020/21	2019/20
June	675	526	June	241	241	June	608	633
May	504	400	May	210	256	May	565	684
April	491	514	April	270	20	April	623	575
March	720	927	March	236	215	March	730	705
February	500	506	February	240	221	February	616	593
January	559	568	January	290	277	January	847	856
December	845	776	December	280	311	December	622	699
November	545	563	November	252	220	November	673	704
October	509	570	October	261	224	October	567	698
September	613	497	September	246	217	September	633	525
August	477	424	August	238	210	August	633	577
July	598	605	July	241	226	July	566	554
Total for period	7036	6876		3005	2638		7683	7803

Walking Tracks

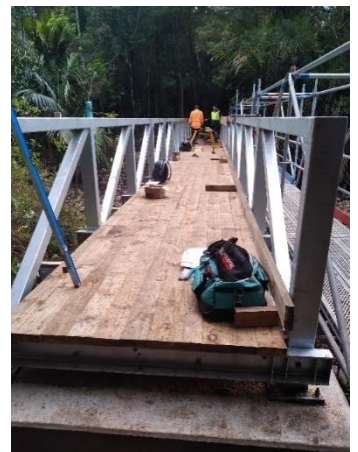
Northland Park Care has continued with regular maintenance work across the Track Network.

Te Araroa Trust has recently upgraded the Kauri Mountain Track with steps and boardwalks. WDC has taken over the maintenance.

Wind fall clearance, drain clearance and debris removal ongoing.

Construction of the new Tikipunga Sportspark Bridge has been completed, linking the new walkways from Kiripaka Rd to Vinegar Hill Rd.

Construction of the new replacement bridge at AH Reed Park is underway with completion scheduled for mid July.



AH Reed – Bridge Replacement

Tikipunga Sportspark – New Bridge



Track Maintenance Work Completed May

Site No	Location	Maint. Date	Comments
1	Frank Holman Track	15/06/2021	Cleared drains/culverts, weedspray, clear windfall
2	Kauika Road Link	15/06/2021	Cleared drains/culverts, weedspray, clear windfall
3	Selwyn Avenue Link	15/06/2021	Cleared drains/culverts, weedspray, clear windfall
4	Quarry Garden Link	15/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Hatea Walkway		
5	Falls to AH Reed	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
6	AH Reed to Vale Rd	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
7	Vale Rd to Town Basin	28/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Whangarei Falls		
8	Loop Walk	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
	A H Reed Kauri Park		
9	Elizabeth Track	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
10	Alexander Track	10/06/2021	Bridge under construction
11	McKinnon Track	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Parihaka Summit Tracks		
12	Dobbie Track	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
13	Drummond Track	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
14	Ross Track	10/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Mackesy Bush Tracks		
15	Memorial Dr to Ross Track	11/06/2021	Cleared drains/culverts, weedspray, clear windfall
16	Memorial Dr to Riverside	11/06/2021	Cleared drains/culverts, weedspray, clear windfall
17	Riverside to Ross Track	11/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Abbey Caves Walkway		
18	Loop Walk	15/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Waimahanga Tracks		
19	Boswell's Track	2/06/2021	Cleared drains/culverts, weedspray, clear windfall
20	Waverley St Link	3/06/2021	Cleared drains/culverts, weedspray, clear windfall
21	George Pt Rd Link	2/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Mt Aubrey-Tiller Park		
22	Mt Aubrey	30/06/2021	Weedeat/Mow Carpark/Weedspray
	Reotahi Coastal Walkway		
23	Little Munro to Reotahi	30/06/2021	Cleared drains/culverts, weedspray, clear windfall
24	Norfolk Street Link	30/06/2021	Cleared drains/culverts, weedspray, clear windfall
25	Matuku St Link	30/06/2021	Cleared drains/culverts, weedspray, clear windfall
	Ngunguru Walkways		
26	Access to Sport Complex		Cleared drains/culverts, weedspray, clear windfall

Site No	Location	Maint. Date	Comments
29	Rauhomaumau to Beach	2/06/2021	Bottom 4 steps washed out from big swell
30	Tutukaka Estate Bush Walk		PRK018835
48	Gazelle-Highland Lass Walkway		Cleared drains/culverts, weedspray, clear windfall
49	Langs / Waipu Coastal Track	2/06/2021	Weedeat & Side-trim vegetation
	Waipu Cove		
50	Headland Track	2/06/2021	Weedeat
	Taiharuru Headland		
51	Huitau Pa Walkway	18/06/2021	Weedeat, weedspray, fill boxed steps
52	Mackeral Track	3/05/2021	Weedeat, weedspray, side trim vegetation

Tree Maintenance

June saw one crew full time on the contract with a second crew doing around 10 days work. A lot of the work completed this month was reactive work. Nine Streets were completed in June as part of the proactive cyclical maintenance programme.

Throughout the winter months there will be little work done on Reserves.

There was a large amount of reactive work this month mainly due to weather and seasonal issues.

Mander Park – Macrocarpa – Scheduled Maintenance

Health & Safety

There were no Health & Safety issues for the month of June. With one internal audit completed on the crews, and the WDC external monthly audit carried out.

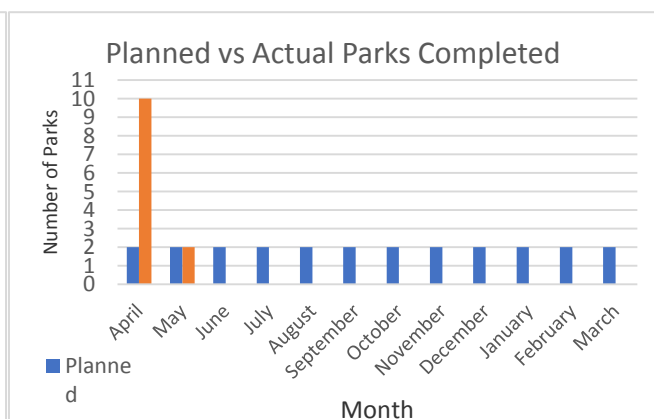
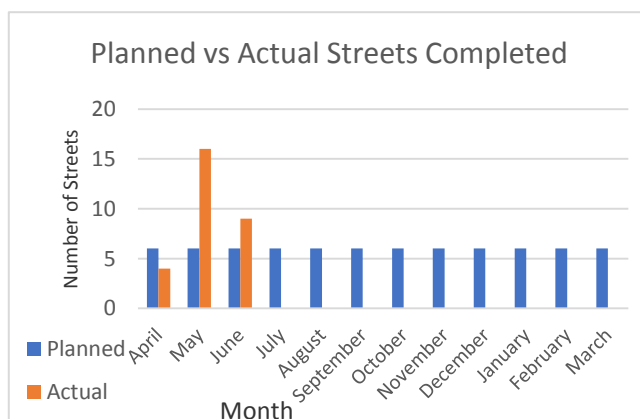
Training

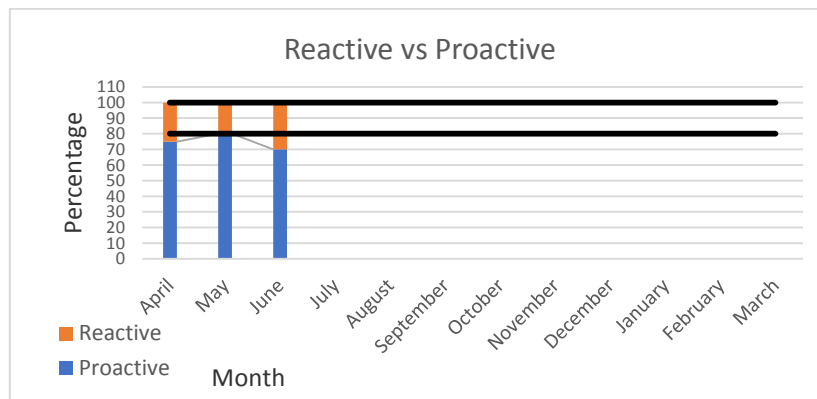
There was no training completed this month.

CRM's

We have had 38 CRMs for the month of June. Please refer to the following table for a breakdown.

CRM Calls Received	CRM Calls Closed	Resource Consent Required	Referred to WDC for action	Pending – still within timeframe	Deferred – Priority 4	Not completed on time.
38	30	0	0	8	0	0
Deferred from previous months.	5	0	0	0	0	





Coastal Structures

In June 63 inspections were completed across the district, the majority of these were in the Northern area.

Maintenance repairs completed on the following structures in June:

- Limestone Island gangway decking
- Paranui Valley/AH Reed bridge decking
- Bream Bay Dr boardwalk fixings, decking and upright boards
- One Tree Point boat ramp crack sealing
- Tutukaka marina jetty abutment scouring
- Tutukaka marina seawall breach repairs
- McGregors Bay esplanade steps- box and pour scoured concrete footings

A CRM bouquet was received from a McGregors Bay resident praising the promptness and quality of the work.

Sports Parks

June was a warm and wet month in which grass continued to grow. Emphasis was being placed on improving the passive areas around the sports parks and pushing back any areas where creep had set in.

The fields look good for the time of year and there have been no cancellations of games due to weather. Cricket wicket renovations are now complete and there were sufficient dry days to achieve this. As rugby have their final games, we may take the opportunity to undertake spring renovations instead of autumn and with an eye towards the rugby world cup next year. Verti-draining will be undertaken to keep surface water from forming.

Preparations are being made to repaint white lines on our car parks. With the completion in sight of the NRU buildings and bike park, installing bollards to prevent vehicles from getting onto the fields are being planned.

Parks and Gardens

June received 198mm of rainfall with a majority of the rainfall coming in the first half of the month. The rainfall has made ground conditions very soft and the warmer than normal temperatures have meant that the grass still actively growing. These conditions are making it hard for our contractor to keep up with the mowing of all maintenance sites.

Infill planting at Cafler Park and other sites has started in June and this planting will continue into July. We have had issues with vandalism of these plantings, with one female caught on camera ripping out plants and throwing them into the stream.

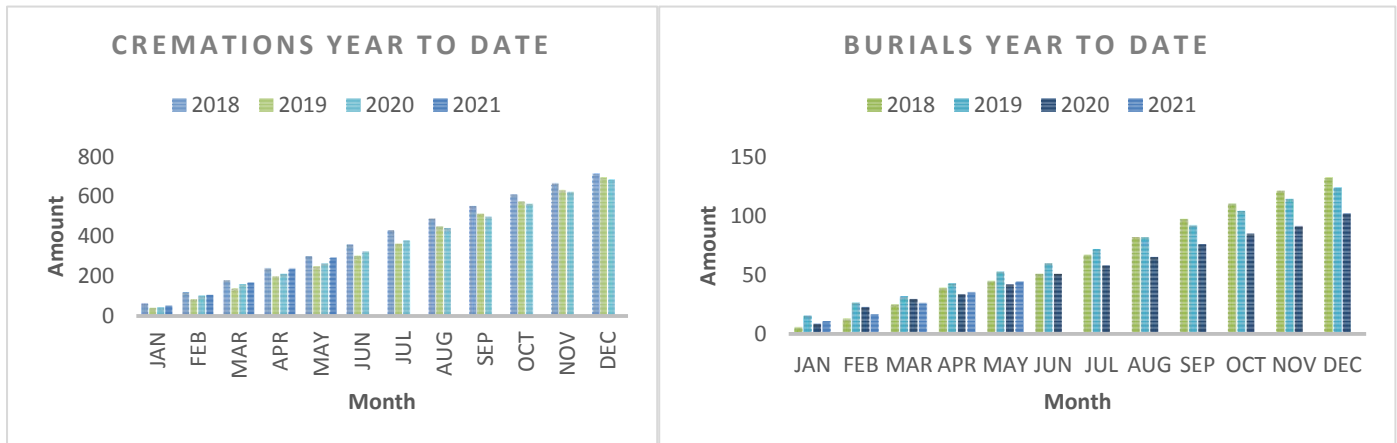
June has been a busy time for the contractors mowing teams. We have asked the contractor to focus on turf creep on all mowing sites. Turf creep is when the mown edges slowly get smaller and the unmown edges get wider. Every now and then we need to 'push back' these edges.

Some community lead revegetation plantings have taken place during June. The Forest and Bird members have carried out a planting on the Hatea Walkway between AH Reed and Whangarei Falls, and Forward have organised some community plants in Springs Flat and Otangarei.

Playgrounds and Skate Parks

During June, following the issues we had with the chimes at the Town Basin playground, new interactive panels have been ordered, including a couple of new musical panels that we hope are not as annoying and can have the volume adjusted. These are coming from overseas and will take a few months to arrive. A number of teething problem with a number of play items seems to have settled down now. We have changed the type of springs on the mini trampolines, which seem to be stronger and less prone to breaking. The annual compliance audit was undertaken in late June with the results expected in July.

Cemetery



Only 4 Burials for the Month of June, and 11 cremains interments.

With a fair amount of rainfall, the grounds have been very wet delaying the mowing. The grass has been very slow growing however and the lack of mowing was not an issue.

The wet ground has been an issue with visitors parking and driving on the grass causing damage, which is something that happens every year. We have had to cordon off a particularly bad stretch of lawn, as people are not seeing that it is muddy and keep driving on it.

Botanica

Visitor numbers for June: 2067

A great number of visitors this month, especially considering the wet and stormy weather.

The visitor's book which has not been in place for some time due to COVID-19 restrictions and has been put back out for visitors to write in, but to date no one has made any comments. Might be an effect of visitors being health conscious.

Active Recreation & Sport strategy implementation

Funding has been approved in the Long-Term Plan towards implementing the many recommendations in the Active Recreation & Sport Strategy. Staff are currently finalising a Contract for Service with Sport Northland to provide a dedicated District Facility Navigator. We have also agreed on the priority recommendations for the first year being:

- Develop a Ministry of Education/Community use agreements
- Develop a community contact list and update the District's Facility Inventory tool
- Develop aquatic facility plan, sports field demand study and indoor and outdoor courts plan
- Support hub developments for Whangarei netball, Hikurangi and Parua Bay
- Develop a user forum for existing hubs

The aquatic facility plan, sports field demand study and indoor and outdoor courts plans will be outsourced, and the District Facility Navigator will project manage the procurement of these. These plans will be funded from the additional funding provided in the LTP for these studies. All reports will remain the property of WDC.

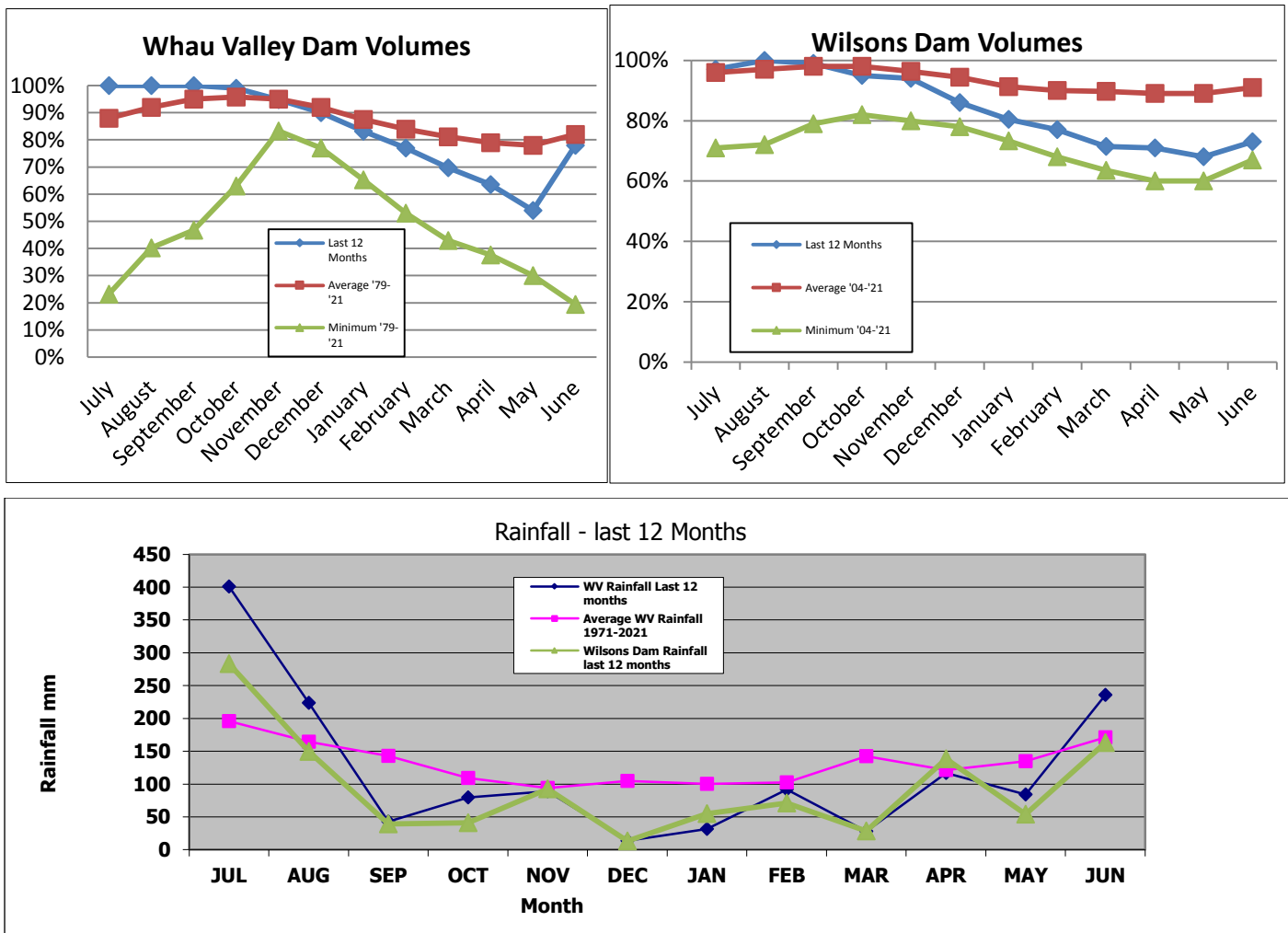
Sport Northland will provide reports quarterly and an annual report will be presented in June each year.

Water Services

Operations

Rainfall and Water Sources

We finally got some reasonable rain in June. 236mm fell at Whau Valley compared to the average of 171mm. This was the first time since August last year we had received above average rainfall and this helped reduce the rainfall deficit for the year down to 184mm. Wilsons Dam had 163mm of rain which was also above the June average of 141mm for that site. The June rain has had a positive impact on dam levels with Whau Valley Rising to 78% and Wilsons Dam to 73%. This is still below average for the time of year (82% for Whau Valley) but with further winter rain levels should recover before summer. This district's aquifers have been slower to recover and plenty more rain is required to ensure we have good river flows that can be maintained into summer. The NIWA forecast is for average rainfall over the next 3 months, which should be sufficient to get the dams to at least 90% before summer.



Production Report

Compliance

Whau Valley WTP – Plant was fully compliant for protozoa and bacteriological.

Ruakaka WTP – Plant was fully compliant for protozoa and bacteriological.

Ahuroa WTP – Plant was fully compliant for protozoa and bacteriological.

Ruddells WTP – Plant was fully compliant for protozoa and bacteriological.

Poroti WTP – Plant was fully compliant for protozoa and bacteriological.

Maungakarama WTP – Plant was fully compliant for protozoa and bacteriological.

Mangapai WTP – Plant was fully compliant for protozoa and bacteriological.

Other works

The algal bloom at Wilson's Dam continues and cell counts have actually risen again recently. This maybe due to increased rainfall washing nutrients into the dam. We have also made some improvements to the aeration system to make sure it is effective. The diatom dosing continues with the additional dosing equipment now operating in some of the shallower side arms of the reservoir. The important part of the trial is coming up over the next few months when the water begins to warm again, and algae would usually flourish.

The upgrade of the SCADA system is progressing well with most of the dams, treatment plants, reservoirs and pump stations having been upgraded. Only Ruakaka treatment plants remains to be done. This will require the plant to be shut down for a week, so staff are working with the Refinery to determine a suitable time in July to undertake this. The new system operates on the cellular network and should be significantly more reliable than the old radio telemetry.

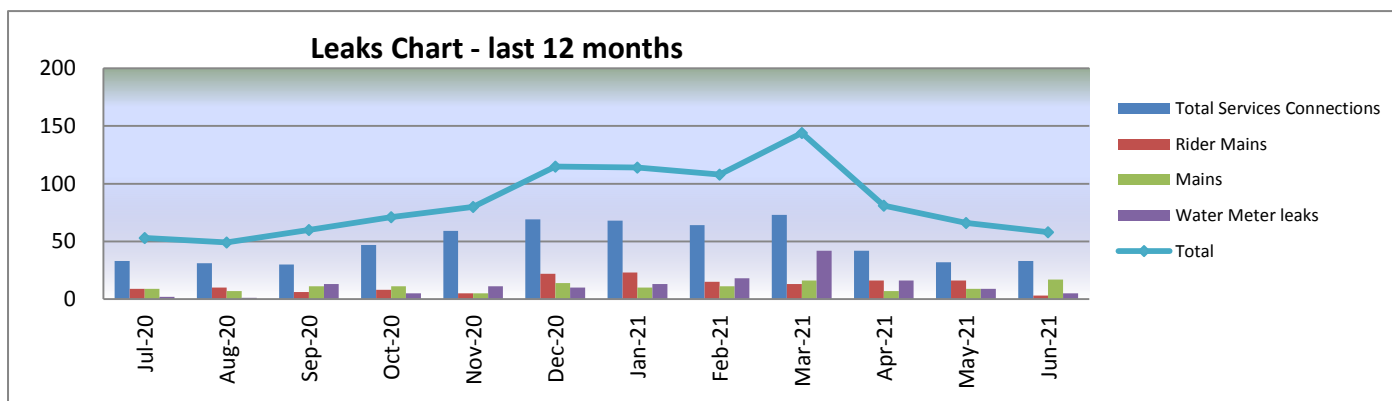
Distribution Report

Water Statistics

38	Connection leaks repaired
20	Rider/Main leaks repaired
43	New connections installed
48	Faulty meters replaced

A total of 38 service connection leaks were repaired together with 20 main and rider main leaks. The number of leaks remained low as the damper conditions make leaks more difficult to spot and the leak detection programme is now complete. It is anticipated the number of leaks will remain low as we get more rain over Winter. A total of 43 new water connections were installed during the month and 48 meters were replaced after being reported faulty by the meter readers.

The following chart shows the number of leaks per category of pipe fixed under the maintenance contract during the last year.



Capital Works

Reticulation Programmed Works

Water mains in Armstrong Ave and Barclay Place were both completed by the end of June. A water main road crossing was also undertaken across Dent Street to take advantage of roading works being undertaken in the area. The main along State Highway one between Portland intersection and Maungakarama Road has burst on a number of occasions. Staff were looking to replace the main in conjunction with the 4 laning of the State Highway. Unfortunately, now the project has been stopped by Waka Kotahi staff will now press ahead with the main replacement as soon as possible. A price is being obtained from the maintenance contractor to undertake the work urgently and staff are asking if 3 waters funding could be used for this work.

3 Waters Funding Projects

The Capital projects that will be funded by the Governments 3 Water fund are, Whau Valley Water Treatment Plant stage 2, Poroti Water Treatment Plant Upgrade – Design, Whareora Road watermain replacement, Rewa Rewa Road water main replacement, Kamo Road water main replacement and the installation of filling points. Work on Rewa Rewa Road, Whareora Road and Kamo Road are now all complete except for a road crossing in Kamo. The Whau Valley WTP stage 2 work has been awarded to the existing contractor and is due for completion by the end of the year. The concept design for the Poroti upgrade has been completed work has now started on the preliminary design. Work has been completed on the design of the electronic control system for the new filling points with the new controls being introduced at the Kioreroa Road filling point and appear to be working well. Work is now starting on the other filling point sites identified.

Other projects

Work is underway to identify and secure land in Three Mile Bush for a new storage reservoir. A suitable site has been identified and geotechnical investigations have been completed. A valuation has been undertaken and approval obtained from Council to purchase the land. Staff are working with the developer regarding the inclusion of physical works in the settlement package. It is hoped to be able to purchase the land as soon as possible so the construction can begin. Initial Geotechnical studies have also been undertaken at Kamo Reservoir and Waipu reservoirs ahead of future reservoir projects at these locations.

Consents and Compliance – Laboratory Water Quality Tests

Description	Number of Tests	Failures	Results	Goal	Retest
E. Coli leaving WTP	10	0	100%	100%	N/A
E. Coli within distribution	34	0	100%	100%	N/A
Free Available Chlorine within distribution (above 0.2mg/l)	61	0	100%	95%	N/A

RESOLUTION TO EXCLUDE THE PUBLIC

That the public be excluded from the following parts of proceedings of this meeting.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

1.	The making available of information would be likely to unreasonably prejudice the commercial position of persons who are the subject of the information. {Section 7(2)(c)}
2.	To enable the council (the committee) to carry on without prejudice or disadvantage commercial negotiations. {(Section 7(2)(i))}.
3.	To protect the privacy of natural persons. {Section 7(2)(a)}.
4.	Publicity prior to successful prosecution of the individuals named would be contrary to the laws of natural justice and may constitute contempt of court. {Section 48(1)(b)}.
5.	To protect information which is the subject to an obligation of confidence, the publication of such information would be likely to prejudice the supply of information from the same source and it is in the public interest that such information should continue to be supplied. {Section 7(2)(c)(i)}.
6.	In order to maintain legal professional privilege. {Section 2(g)}.
7.	To enable the council to carry on without prejudice or disadvantage, negotiations {Section 7(2)(i)}.

Resolution to allow members of the public to remain

If the council/committee wishes members of the public to remain during discussion of confidential items the following additional recommendation will need to be passed:

Move/Second

"That _____ be permitted to remain at this meeting, after the public has been excluded, because of his/her/their knowledge of Item _____.

This knowledge, which will be of assistance in relation to the matter to be discussed, is relevant to that matter because _____.

Note:

Every resolution to exclude the public shall be put at a time when the meeting is open to the public.