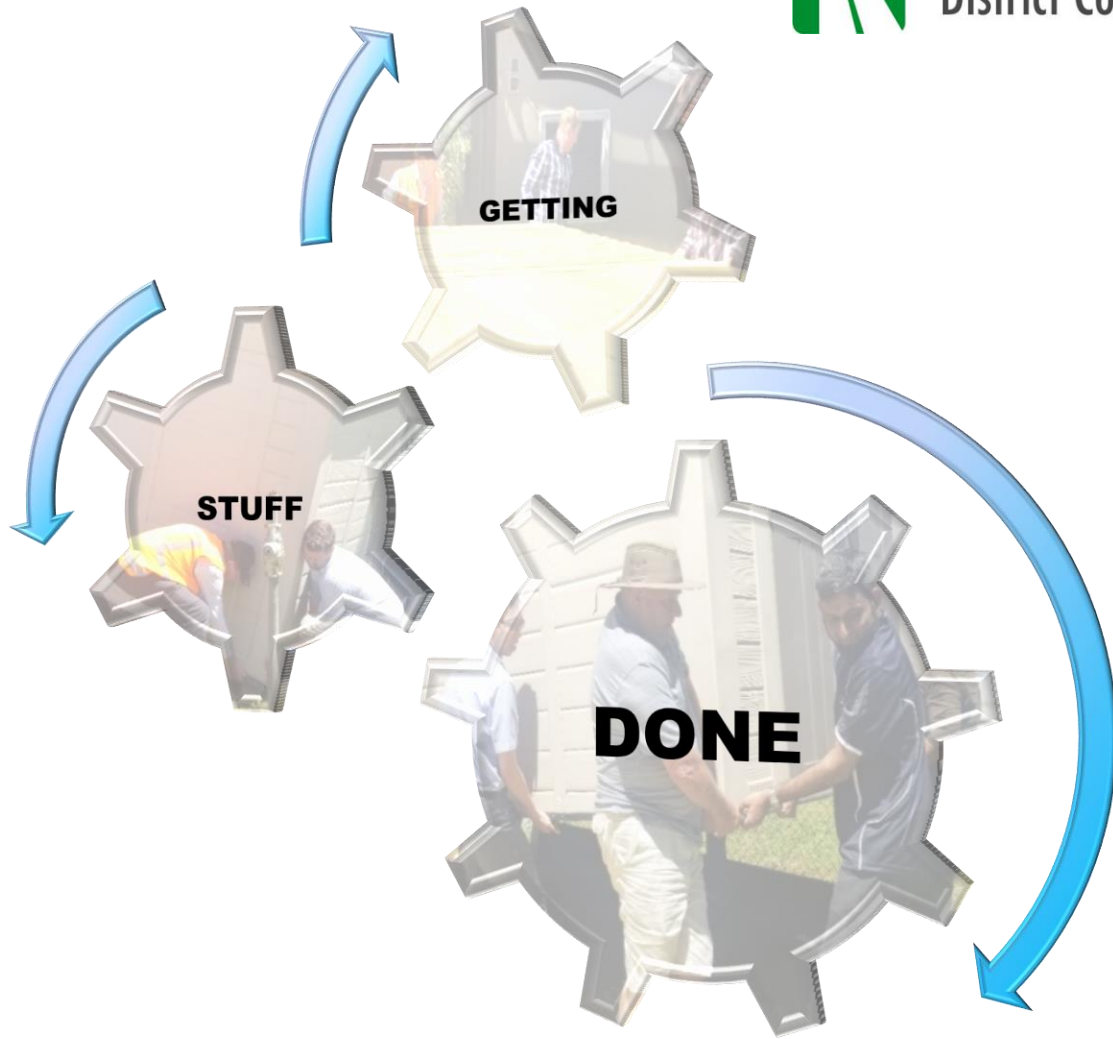




Far North  
District Council



# Infrastructure and Asset Management

## Monthly Business Report

MARCH 2021

HE ARA TĀMATA  
CREATING GREAT PLACES  
*Supporting our people*

# IAM

## Infrastructure & Asset Management

### Project Delivery

Managing delivery of the capital works programme (new works and renewals) as defined by the Long Term Plan.

### 3 Waters

Water, wastewater and storm water in alliance with Far North Waters. To enable an integrated and flexible approach to Water Management.

### Compliance

Oversee regulatory compliance for assets and infrastructure; lead and manage response plans in the event of enforcement action; assist teams around obligations in relation to the Resource Management Act.

### District Facilities

Maintain Council parks, reserves, cemeteries, owned community and operated buildings, Housing for the Elderly, public toilets, town maintenance, contracted swimming pools and Solid Waste in accord with policy, strategy and legislation.

### Customer Experience

IAM customers, we listen to their responses, and action their feedback in a timely manner.

# Getting Stuff Done

### Roading

Maintaining the District's roading network in a satisfactory condition and in accordance with national safety and engineering standards in alliance with NTA.

### Infrastructure Planning

Policy making and integrated planning. Managing consents which authorise activities essential to the services Council provide.

### Asset Management

Assets need to be planned, created, operated, maintained, renewed and disposed of in accordance with Council's priorities for service delivery for current and future generations.

### Civil Defence

Providing leadership in reducing risk, being ready for, responding to and recovering from emergencies.

### Programme Darwin

To lead best practice enterprise asset management in New Zealand.

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# SUCCESSSES



## DISTRICT FACILITIES

Some fantastic feedback – check it out [here](#).

## VENTIA

Check out the Ventia report [here](#) – some great work and engagement with the public.



**CAPITAL  
SPEND  
ANALYSIS**



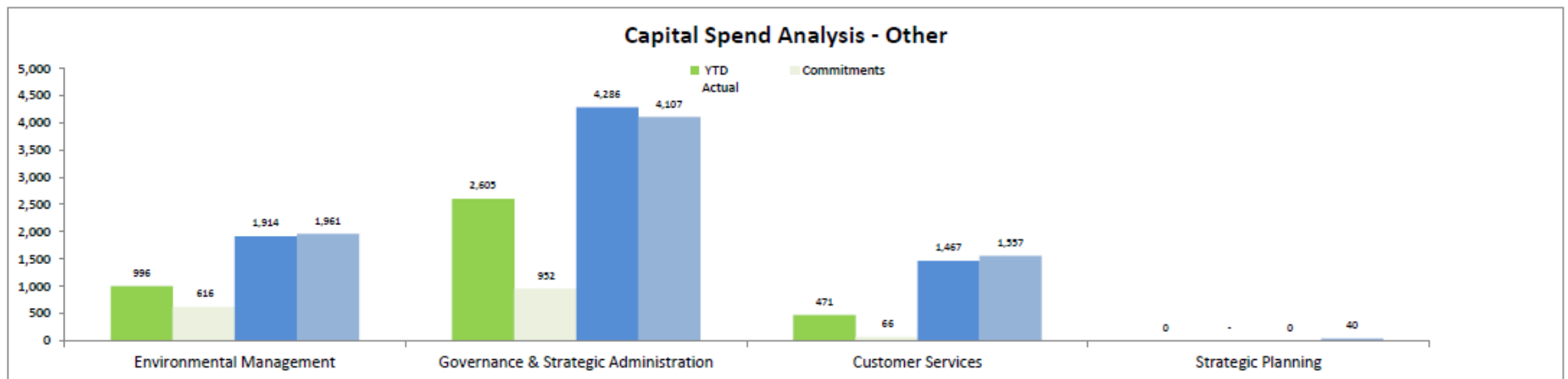
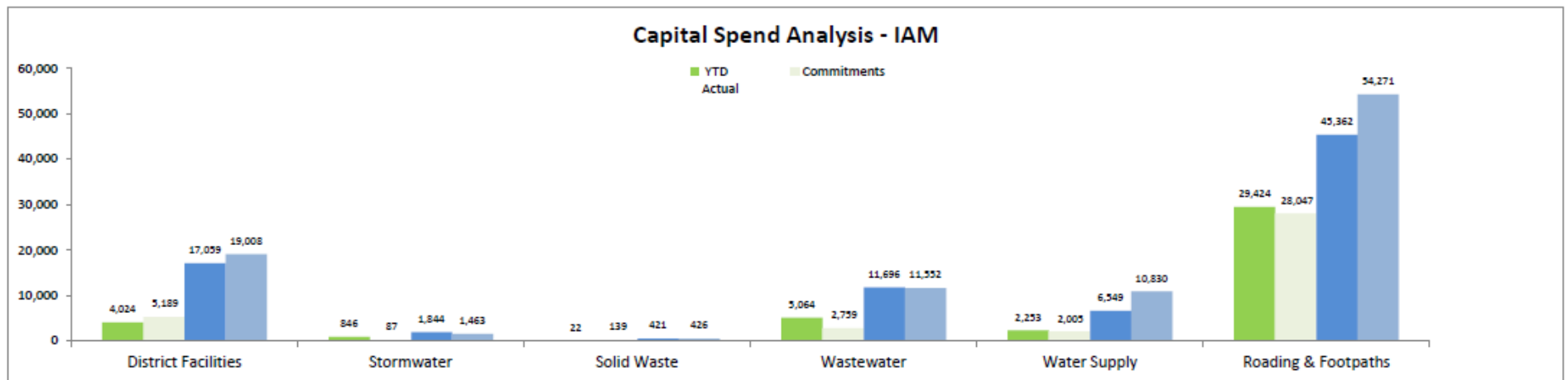
## Capital Spend Analysis

as at 31-Mar-2021

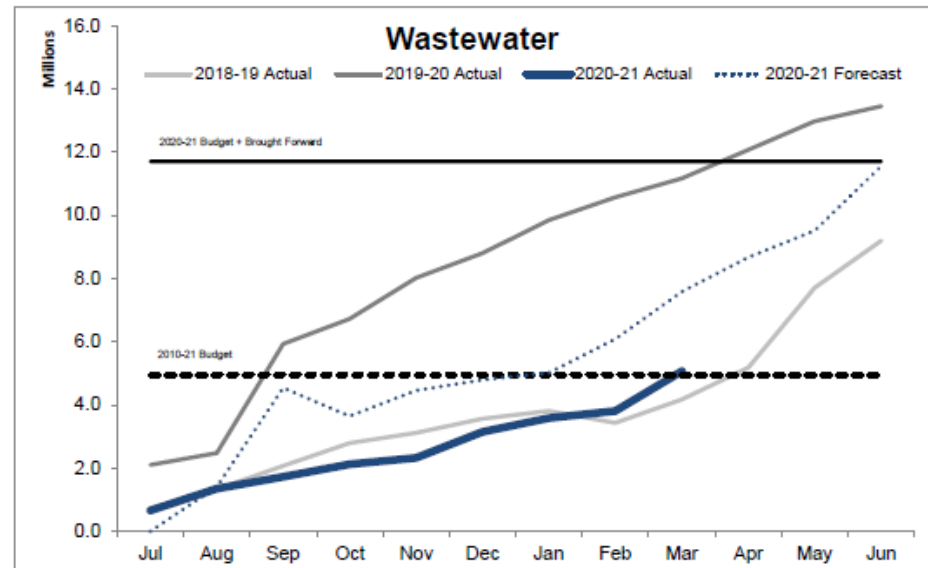
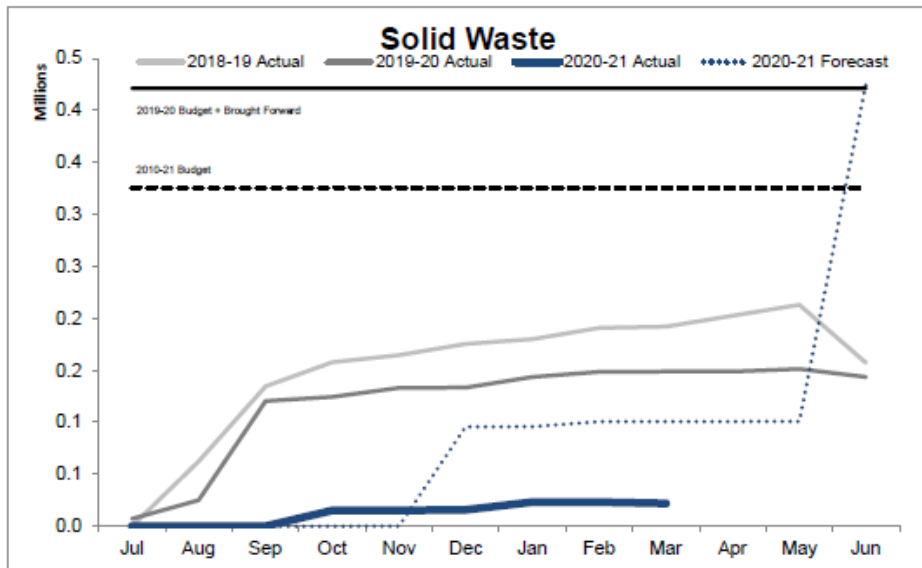
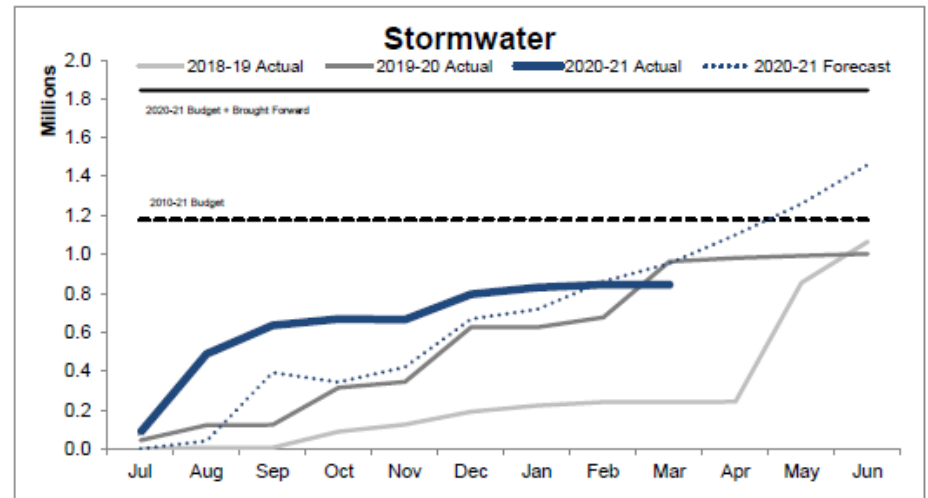
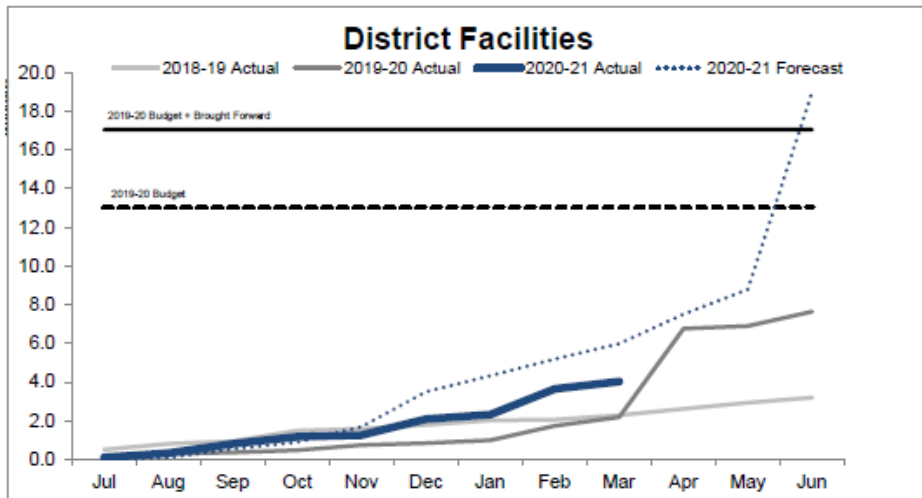
LTP Group	YTD (\$000's)		Full Year (\$000's)							
	YTD Actual	Commitments	LTP Budget	Carry Forward Budget	Total Annual Budget	Actual vs Budget %	Total Annual Forecast	Actual vs Forecast %	Forecast vs Budget %	Forecast vs Budget Variance
District Facilities	4,024	5,189	13,028	4,031	17,059	23.6%	19,008	21.2%	111%	1,949
Stormwater	846	87	1,179	666	1,844	45.8%	1,463	57.8%	79%	(381)
Solid Waste	22	139	325	96	421	5.2%	426	5.2%	101%	5
Wastewater	5,064	2,759	4,936	6,760	11,696	43.3%	11,552	43.8%	99%	(144)
Water Supply	2,253	2,005	4,495	2,054	6,549	34.4%	10,830	20.8%	165%	4,281
Roading & Footpaths	29,424	28,047	37,388	7,974	45,362	64.9%	54,271	54.2%	120%	8,909
<b>IAM Total</b>	<b>41,633</b>	<b>38,226</b>	<b>61,351</b>	<b>21,580</b>	<b>82,931</b>	<b>50.2%</b>	<b>97,550</b>	<b>42.7%</b>	<b>118%</b>	<b>14,619</b>
Environmental Management	996	616	0	1,914	1,914	52.0%	1,961	50.8%	102%	47
Governance & Strategic Administratic	2,605	952	2,334	1,952	4,286	60.8%	4,107	63.4%	96%	(180)
Customer Services	471	66	533	933	1,467	32.1%	1,557	30.2%	106%	90
Strategic Planning	0	-	0	0	0	0.0%	40	0.0%	0%	40
<b>Other Total</b>	<b>4,072</b>	<b>1,634</b>	<b>2,867</b>	<b>4,800</b>	<b>7,667</b>	<b>53.1%</b>	<b>7,664</b>	<b>53.1%</b>	<b>100%</b>	<b>(3)</b>
<b>Total</b>	<b>45,705</b>	<b>39,860</b>	<b>64,219</b>	<b>26,380</b>	<b>90,599</b>	<b>50.4%</b>	<b>105,214</b>	<b>43.4%</b>	<b>116%</b>	<b>14,615</b>

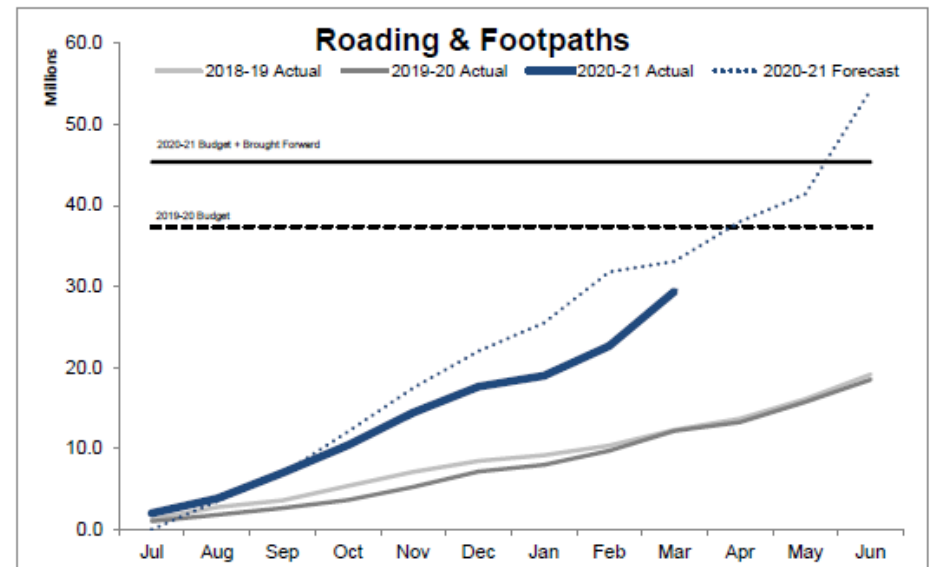
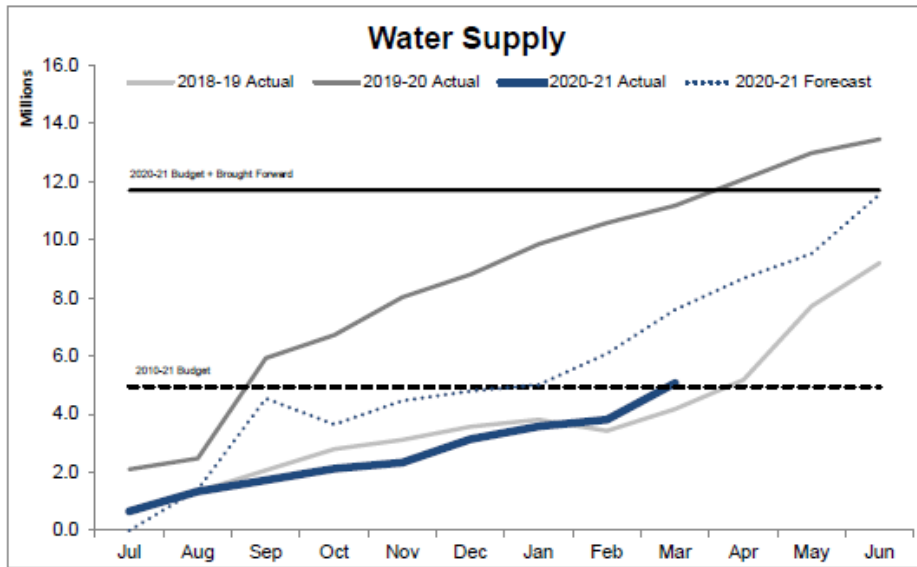
### Comments:

The 'Total Annual Forecast' is what is expected to be spent by 30 June 2021.









# ROADING

To maintain the District's roading network in a satisfactory condition and in accordance with national safety and engineering standards.

## EXECUTIVE SUMMARY

Waka Kotahi are continuing the review and moderation process of the submitted the Draft AMP document and the financial requests. Waka Kotahi intends to consider the final submissions for the Maintenance, Operations and Renewals Programmes, (MO&R), in April 2021, with indicative funding allocations signalled to be release in late-May.

Consultation sessions were completed throughout March on the Regional Land Transport Plan (RLTP) and Regional Public Transport Plan (RPTP). Received submissions (46) are presently being reviewed and report drafted for the formal RTC deliberations meeting scheduled for 11<sup>th</sup> May 2021.

Significant progress was made towards completion of the large 2020/21 Capital works programme during the month, with over \$5m of expenditure undertaken in March and >90% of the planned programme for this financial year on track for completion.

March saw a significant increase in development applications received by the transport safety team for processing (49 vs 12 month rolling average of 36).

Revenue received from ticket sales for March 2021 was 45% higher than the same month last year noting March 2020 was negatively impacted by the commencement of the Level 4 Covid-19 lockdown. Implementation of the Electronic Ticketing system on the service and the installation of CCTV on the vessel has commenced.

Customer interaction numbers continue to trend higher than the previous two years noting investigations continue into the noticeable increase in interaction numbers within the Roding Correspondence category. An internal workshop is being conducted with the Maintenance Team on April 15<sup>th</sup> to review the process of how Customer Interaction occurs and to identify improvement opportunities.

## 2021/24 AMP DEVELOPMENT PROGRESS

Waka Kotahi are continuing the review and moderation process of the submitted the Draft AMP document and the financial requests from each Council, the last version of which was submitted at the end of January 2021.

Waka Kotahi intends to consider the final submissions for the Maintenance, Operations and Renewals Programmes, (MO&R), in April 2021, with indicative funding allocations signalled to be release in late-May.

Final approval of the NLTP programme will be considered by the Waka Kotahi Board by late August and the final approved NLTP is due to be published by early September 2021.

## DEVELOPMENT OF THE DRAFT REGIONAL LAND TRANSPORT PLAN 2021/2027 (RLTP) and REGIONAL PUBLIC TRANSPORT PLAN (RPTP)

Public consultation “have your say” drop in sessions were completed in March (5 held in the Far North District) for the draft RLTP and RPTP.

A total of 46 postal and online submissions were received. Following the closure of the public consultation period on Friday 26<sup>th</sup> March 2021 staff are now tabulating all submissions received after which a report, containing all submissions and the Project Teams recommendations will be compiled for consideration by the RTC elected representatives at a formal RTC Deliberations meeting scheduled for Tuesday, 11 May 2021.

## CENTRAL GOVERNMENT POLICY SUBMISSIONS

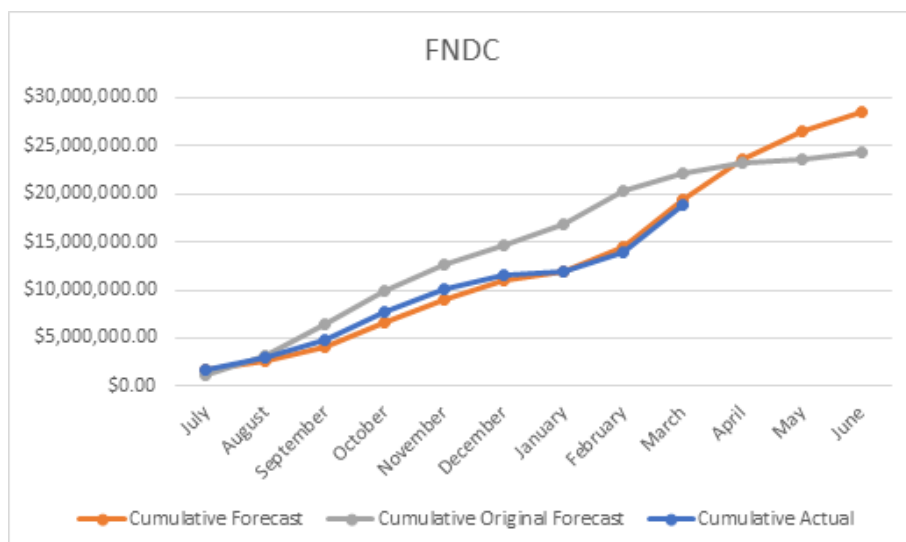
There were no Central Government submissions in the past month.

## MBIE WORKER REDEPLOYMENT PROGRAMME (ORIGINAL \$2.2M + \$2M STORM VARIATION)

As reported in February most of the original programme is now complete. Work on the roading, parks and flood mitigation work covered by the \$2m storm funding component continues through until the end of May 2021.

A final project summary report summarising all completed funding works and related social procurement objective achievements is to be produced on completion of the remaining activities (end of June 2021).

## FNDC TRANSPORT CAPITAL PROGRAMME DELIVERY



FNDC Transport - Capital Works & Renewals expenditure progress

### Projects started in March 2021

Category	Sub activity	Location
215 - Structures Component Replacement	Bridge	Puhata road
341 - Low Cost Low Risk	Bridge	West Coast Road G01
341 - Low Cost Low Risk	Lighting	Various District Roads
341 - Low Cost Low Risk	Safety	Various District Roads
341 - Low Cost Low Risk	Safety	Various District Roads
Resilience - Unsubsidised	Resilience	Panguru Road

### Projects due to start in April 2021

Category	Sub activity	Location
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Horeke Rd to Cemetery 294-330
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Kohukohu Road Manning to Marriner
341 - Low Cost Low Risk	New Footpath	BOI-Whangaroa Ward: Te Taipui Rd to Matauri Bay School Link
Cycle Trail Unsubsidised	Cycleways	Pou Herenga Tai Cycle Trail NZ Heritage
New Footpaths – Unsubsidised	New Footpath	Kaikohe-Hokianga Ward: Kohukohu Road Manning to Marriner

Photo Wall



Panguru Road Flood Mitigation/Shoulder Widening



Church Road/Seal Extension first 600m sealing



Koropewa Road/Seal Extension overlay complete pre-stabilisation



Pungaere Seal Ext. Stabilisation of first 1.4km



Pawarenga Site 1/ Rehab Sealed and Marked



Mangamuka Road/Slip repair

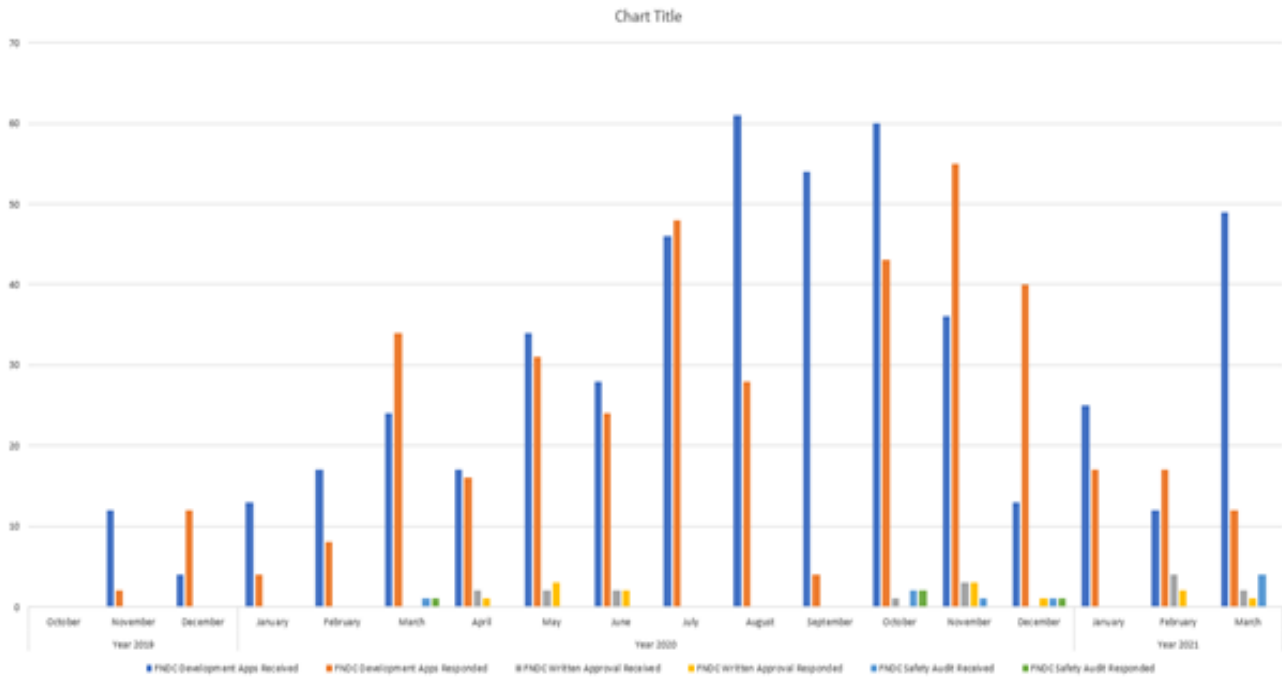
## FNDC Significant Projects

### FNDC Significant Projects

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities
341 - Low Cost Low Risk	Bridge	Otaua Road M28 N28	93%	Sealing of the approaches and practical completion	Final inspection / practical completion
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Donald Ln to WINZ on N Park Drive	0%	Construction commencing Apr 21	Commence construction works package
341 - Low Cost Low Risk	Resilience	Panguru Road	100%	Complete	Complete but some minor defects to be addressed
341 - Low Cost Low Risk	Safety	Route 1 Kaitaia-Ahipara (Kaitaia Awaroa Rd)	86%	Complete	Complete
341 - Low Cost Low Risk	Safety	Okaihau Triangle between SH1, SH10 and the Mungamuka's	60%	Signages manufacturing and construction/ installation are underway (95% completed)	Complete all sign installation and start road marking work
341 - Low Cost Low Risk	Safety	Kaitaia-Awaroa Rd RP3200	100%	Complete	Complete
341 - Low Cost Low Risk	Safety	Kaitaia-Awaroa Rd RP5690	100%	Complete	Complete
341 - Low Cost Low Risk	Safety	Route 7 Matauri Bay Loop Roads	100%	Complete	Complete
341 - Low Cost Low Risk	Safety	Route 5 Taipa-Kaitaia (Oruru Rd, Fairburn Rd & Peria Rd)	100%	Complete	Complete
341 - Low Cost Low Risk	Safety	Route 4 Kerikeri-Okaihau (Wiroa Rd, Waiare Rd, Wehirua Rd & Kerikeri Rd)	67%	Complete	Complete
341 - Low Cost Low Risk	Safety	Route 2 Puketona Junc-Ohaewai (Te AhuAhu & Old Bay Roads)	74%	Complete	Complete
Cycle Trail Unsubsidised	Cycleways	Pou Herenga Tai Cycle Trail NZ Heritage	100%	Engaged with the contractor to start Pou installations.	Finalize the locations to install Pou-pou. And plan to install Pou in April and May
Redeployment Package	New Footpath	Kaikohe-Hokianga Ward: Kaikohe Footpath, Signal Stn Rd, Omapere	100%	Complete	Issue PCC and complete required MSQA Documentations
Redeployment Package	New Footpath	BOI-Whangaroa Ward: Length of Blacks Road	100%	Complete	Defects period ends Oct 2021
Redeployment Package	New Footpath	Te Hiku Ward: Donald Ln to WINZ on N Park Drive	100%	Construction commencing Apr 21	Commence construction works package
Redeployment Package	New Footpath	Te Hiku Ward: Foreshore Road, Taipa	100%	Complete	Complete
Redeployment Package	New Footpath	Te Hiku Ward: Point Road, Taipa	100%	Complete	Complete
Redeployment Package	New Footpath	Te Hiku Ward: Mamaru Road	100%	Complete	Complete
Resilience - Unsubsidised	Resilience	Panguru Road	1%	NRC has signed the agreement for Section C and construction is in progress	In construction
Special 100% FAR	New Footpath	Tau Henare Drive - Waitangi Trust	81%	Complete	Defects period ends Sep 2021
Special 100% FAR	Sealing Chip seal	Additional funding from Waitangi Trust for Tau Henare Drive (south region)	68%	Program 80% complete	Chipseal complete, small AC job in Waitangi early April

## ROAD SAFETY AND TRAFFIC ENGINEERING

### Development Applications - Monthly Statistics for FNDC



March saw a significant increase in development applications received with 49 received, with the trend continuing of FNDC application volumes being significantly higher than both WDC and KDC (note – this is based on individual application numbers as opposed to total number of lots).

The table below provides comparative 12 month rolling average data for applications received for processing by the transportation team across the three Northland District Councils.

Development Applications received by Transport team	FNDC	WDC	KDC
12 Month Rolling Average	36.3	21.4	3.9

### HOKIANGA FERRY (KOHU RA TUARUA)

Fullers (the Operator) have commenced the implementation of their Electronic Ticketing system on the service and the installation of CCTV on the vessel.

Fullers have reported generally that in general the traveling public's attitude to compliance with the requirement to wear a face covering on public transport continues to be poor under alert level 1.

The Tsunami threat on Friday the 5<sup>th</sup> of March resulted in the service being suspended for a period, which required the ferry crew to be evacuated to higher ground.

### UTILITY SERVICES – CAR (Corridor Access Request) & TMP (Traffic Management Plan)

UFB 2:

- Paihia is almost complete
- Haruru Falls is almost complete
- Russell is due to start after Easter

UFB 2+:

- Rangitane almost complete



- Okiato almost complete
- Opuia due to start next week

Roundabouts:

- Waipapa - the new bridge on Maritime Lane is well under way and the abutments have been poured. The final hotmix started Sunday 11 April on night shift. Waipapa Road will be closed from the roundabout to Harmony Lane, but provision will be made for residents.
- Puketona - finishing works are well under way
- Kawakawa - finishing work is nearing completion

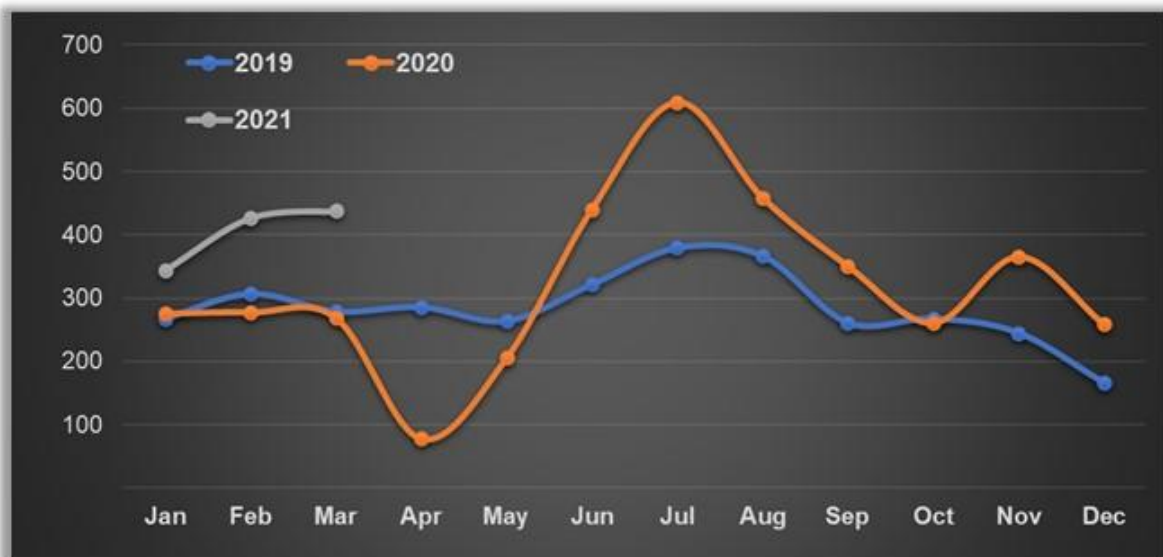
## THE CUSTOMER EXPERIENCE

### Request for Service

As per the last few months, the category of ‘Roading Correspondence’ contributes in part to the larger than historic number of interactions evidenced below. Further investigation has concluded that additional discussions are needed to ensure these are being categorised correctly on receipt. Random samples were chosen for this category during the month. Some of them likely needed a follow up to determine the issues in hand noting there were also some that may not have been applicable to transportation. Further investigation continues and the NTA will work closely with Customer Services for this. Sample issues:

- Complaint – No detail
- Wanting Engineer to call – No detail
- Logging truck rules

As mentioned last month, an internal workshop is being conducted with the Maintenance Team on April 15<sup>th</sup> to review the process of how Customer Interaction occurs, with the outcomes and identified improvement opportunities to be reported once completed.

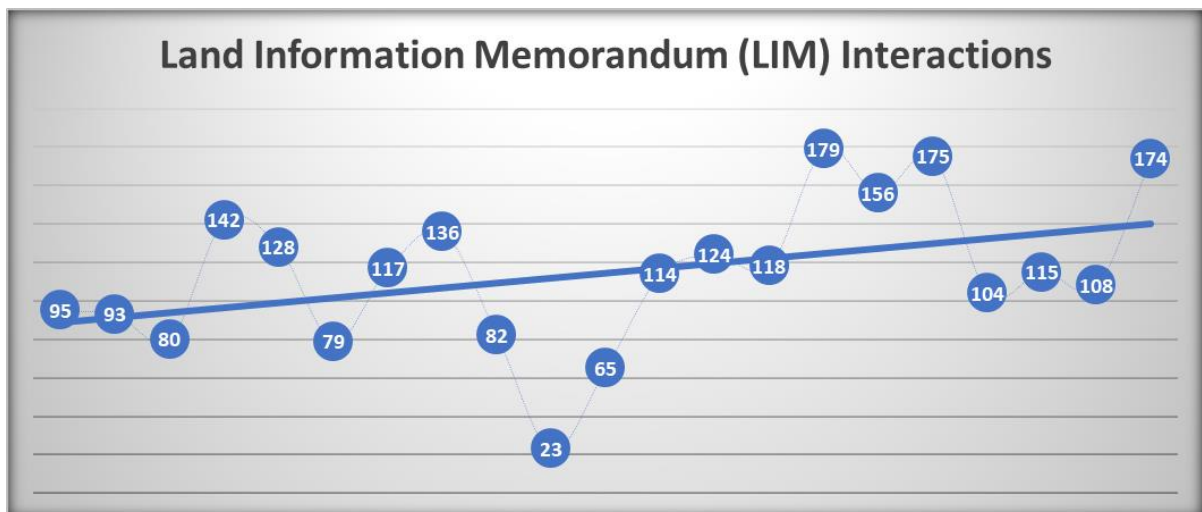


As the highest single contributor of RFS's for the month, it is pleasing to see in the tale below that the category of “Road Repairs – Potholes, Edge Breaks, Corrugations” has reduced from a peak last month and is below the number received in March 2020.



### Land Information Memorandum (LIM)

Following a Summer lull, workload and interactions in this area have increased to the similarly high levels being received prior to Christmas.



LIM interactions by month

# PROJECT DELIVERY

Managing delivery of the capital works programme (new works and renewals) as defined by the Long-Term Plan.

## EXECUTIVE SUMMARY

A steady and productive month with projects awarded ready for construction early in 2021.

<b>Green</b>	Strong probability the project will be delivered on time, within budget and with acceptable quality.
<b>Amber</b>	Good probability the project will be delivered on time, within budget and with acceptable quality. Schedule, budget, resource or other changes may be needed.
<b>Red</b>	Probable that the project will NOT be delivered with acceptable quality without changes to schedule, budget, resources and/or scope

**Project Phase: Design**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	Awaiting updated design, reports and engineers plan/report
Scope	Green	Green	Scope confirmed
Schedule	Green	Green	Schedule confirmed
Cost	Amber	Amber	Final cost and QS to be confirmed
Project Risk	Amber	Amber	Weather, contractor availability, material availability, Covid-19, NRC approval for on-site wastewater system and stormwater discharge

**Monthly Summary:**

Aw.aiting amended design detail, engineering plans and reports due to geotechnical report identifying a large amount of fill on-site, acoustic report for Resource Consent application received, Resource Consent application and NRC Discharge applications lodged.

Key Project Risks	Mitigation of Risk
Funding	Ensure detailed planning is carried out to capture all detail require, learnings from Construction of Northern Animal Shelter is an advantage in making sure all aspects are captured
Non-compliance	Current structures non-compliant, existing building to be demolished and new kennels to be constructed to comply with Animal Welfare Acts.

Key Project Milestones	Expected	Status	Comment
Confirm concept plan	End September	On track	Concept Plan Confirmed
Final Design	Mid December	Delayed	Awaiting updated design Plans, engineering plans and reports due to Information received in Geotechnical report
Tender Award	Mid-June 2021	On track	
Construction	Mid to Late July 2021	On track	

**Project Budget Status**

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$1,443,489.00	\$84,771.04	\$1443,489.00

**Project Phase: Construction**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	Construction underway
Scope	Green	Green	Scope confirmed.
Schedule	Green	Green	Project program confirmed.
Cost	Green	Green	Cost confirmed and approved
Project Risk	Green	Green	Weather, contractor availability, material and time delays due to Covid-19.

**Monthly Summary:**

All wall frames and trusses/framing completed, channel drain to passage fitted, covered entries posts placed, all exterior drainage pipework in place, all cesspits, pump chambers placed. Roof framing over the passage area completed.

Excavated and placed reo to washdown slab, metalwork all on site ready to fit in place, plastered the covered kennel channel drain. Measured and ordered metal wall and roof cladding, measured ready for fabrication all aluminium joinery, fit ceiling battens in place.

Key Project Risks	Mitigation of Risk
Funding	Strict financial management. Funding no longer a risk due to MBIE funding
Tender	No longer a risk Awarded to KPH Construction Limited

Key Project Milestones	Expected	Status	Comment
Tender award	Late September	Awarded	Awarded to KPH Construction
Construction	Currently under construction	On Track	

**Project Budget Status**

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$1,470,989.00	<i>Construction: \$893,341.87</i> <i>Project Management Time and Professional Fees: \$17,814.98</i>	\$1,470,989.00

Project Phase: Design/Consents/Construction

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	<b>Mitimiti:</b> Construction is completed at Mitimiti & CCC achieved; Toilet is Operational
	Green	Amber	<b>Opononi:</b> Construction began prior to Christmas and is expected to be completed in March 2021.
	Amber	Amber	<b>Waitangi:</b> Building Consent is approved; Resource consent is granted; this time-consuming process has caused considerable delays to programme.
	Green	Amber	<b>Haruru Falls:</b> Drainage Contractor has provided a good solution to sewer connection and we can move forward with confidence that operationally the toilet when installed will work well with minimum maintenance
Scope	Green	Green	<p><b>Waitangi:</b> Scope is clear and approved by Stakeholders</p> <p><b>Mitimiti:</b> Construction complete.</p> <p><b>Opononi:</b> Scope is clear and defined.</p> <p><b>Haruru:</b> Scope is clear and defined. We are taking power feed from pump station back to site to run pump.</p>
Schedule	Amber	Green	Projects currently tracking behind programme due to consultation and legal agreement delays. An extension of time has been granted from MBIE until Dec 2020, COVID 19 has also played its part in the programme delays.
Cost	Green	Green	Mitimiti completed within budget. Opononi and Haruru Falls pricing is in line with budgets. Waitangi has not yet been out to market, but QS shows we have a shortfall, but we may have savings at other sites which can be re-allocated to Waitangi
Project Risk	Amber	Green	Covid 19 will cause large delays to all programmes of work which have already been delayed due to legalising access to all sights. These projects will not be completed in the timeframes initially set out and there is no opportunity to bring them inline, so we have accepted this and asked for funding extensions.

Monthly Summary:

- Haruru – Prefabricated Toilet has been constructed and is in the curing phase in the factory.
- Waitangi - Toilet Building Consent & Resource Consent granted, Archaeological Authority being sought from Heritage NZ (Shell Midden onsite), we are still currently waiting on this from HNZ
- Opononi - construction underway, monitor until expected completion in March 2021

Key Project Risks	Mitigation of Risk
Covid 19 Lockdown will lead to programme delays.	Accept & Monitor.
Waitangi Toilet - Budget	Budget shortfall may be able to be address with savings from other TIF Toilet builds
Waitangi Toilet – Schedule – Iwi Engagement	Accept delays but look at possible Direct Award of Contract to meet deadlines
Waitangi Toilet – Service Connections	Water & Power costs out of line with QS, further budget implications

Key Project Milestones	Expected	Status	Comment
Waitangi Toilet – Iwi Engagement	July 2020	Completed	Archaeological Authority now approved by Heritage NZ
Opononi Construction	October 2020	Met – Late (November)	Construction Underway
Haruru – Prefab installation	May 2021	Tracking on time	Contract Awarded to Permaloo

Project Budget Status

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$1,045,688 (combined)	\$538,045	\$1,000,000 (combined)

**Project Phase: Delivery**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	A Compliance audit of the water treatment Plant took place in December 2019. The audit established that the plant was non-compliant to the regulations. FNW have completed the required H&S compliance work and have arranged for the H&S compliance audit to take place during May 2021.
Scope	Green	Amber	H&S Compliance work completed
Schedule	Green	Green	Compliance audit scheduled for May 2021.
Cost	Amber	Green	Final cost will be confirmed after the compliance audit.
Project Risk	Amber	Amber	FNW have been advised of a change in personnel/test certifier at DGC. This change in personnel may or may not result in additional work that will need to be completed before the Location Certificate can be issued.

**Monthly Summary:**

FNW monthly progress:

The WTP is now fully controlled by the new PLC. To date no issues have been reported on the WTP's performance.

FNW have been advised of a change in test certifier at DGC. This will be the 3<sup>rd</sup> time that a different test certifier will be sent to the WTP. The 1<sup>st</sup> test certifier who visited the WTP in December 2019, identified that the WTP was non-compliant and provided a list of recommendations to make good. FNW acted on these and made good on the recommendations.

In 2020 a 2<sup>nd</sup> and different test certifier visited the WTP to check on the recommendations made by the 1<sup>st</sup> test certifier. The 2<sup>nd</sup> test certifier identified many errors and recommendations were made by the 1<sup>st</sup> test certifier. FNW again acted on these by making good on the recommendations.

FNW have since been liaising and consulting with another Company and feel confident that the WTP will be issued with its Location Certificate.

The compliance audit has been arranged for May 2021.

General.

The CCC has been issued for the Building works.

Key Project Risks	Mitigation of Risk
Impact of Covid 19 on project schedule	Closed
Delays with material supply during lock down	Closed
Limited number of resources allowed to work on site during lock down.	Closed
Possible increase in cost of materials	Closed
Delay in completing BC works – CCC not issued	Closed
Change in Test Certifier – change in scope	Accept and monitor
Impact on water supply when commissioning new equipment into service	Closed
New PLC upgrade – delay in completing the electrical works and switch over	Closed
Chemical deliveries – decanting area does not meet IXOM requirements	Closed

Key Project Milestones	Expected	Status	Comment
Compliance Audit	Dec 19	Completed	
Order chemical tanks	April 2020	Completed	
Install chemical tanks	May 2020	Completed	
Chlorine room fit out	June 2020	Completed	
Electrical fit out	July 2020	Completed	
Issuing of Location certificate	Sep 2020	Late	Rescheduled for May 2021

**Project Budget Status**

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$220,000	\$202,540	\$220,000

**Project Phase: Concept Stage**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Amber	Amber	Physical Works contract is ready for award however property easements are delaying critical path. An options paper has been submitted for review and endorsement.
Scope	Green	Green	N/A
Schedule	Red	Red	Delay in procurement award due to Easements not being secured has increased as commercial negotiations have not been successful. A formal process is underway that could delay award until end April 2021.
Cost	Green	Green	Construction costs are within budget allowance however delay to award will impact phasing of spend resulting in a decrease in spend this FY.
Project Risk	Amber	Amber	Property and Easements are subject to commercial negotiations and Potential redesign to appease landowner if appeal to district court is in favour of landowner.

**Monthly Summary:**

A position paper has been prepared and submitted for review with options regarding contract award. These include:

- 1) Separable Portions to enable construction to commence while formal process concludes with Elbury Holdings;
- 2) Delay award until formal process resolved;
- 3) Utilize separate contract for development of management plans and securing to critical material (pipe).

Financial Due Diligence has been completed on the Preferred Supplier. Some questions have been raised that are being closed out.

The formal hearing for the Elbury Holdings easement was completed on 14th December. Council voted to continue with the works and the decision was appealed to the district court on 22nd December. First call date was on 26th February whereafter all parties have time to submit evidence and supporting documents before 24<sup>th</sup> of March 2021. Hearing date will then be set.

Other property agreements are progressing, it will not be possible to resolve some easements until the route with Elbury Holdings has been agreed.

The estimated delay to contract award has increased, the delay cannot be estimated accurately as no date for appeal has been set. It is likely to be end of April 2021 resulting in a 21-week delay to contract award.

Key Project Risks	Mitigation of Risk
There is a risk that easement negotiations delay the award of contract.	Continued focus to project team to resolve Meeting with landowners with Elected Members Formal process using Local Government Act
There is a risk of significant adverse media coverage should the obligation not be delivered and there is not enough water of drinking water standard quality to meet demand.	Prepare media plan and key messaging
There is a risk of another lockdown during the construction programme	Request contractor mitigation as part of procurement Pricing Schedule allowance for level 2, 3 and 4 working/stand down

Key Project Milestones	Expected	Status	Comment
Design contract award	29/11/19	Complete	
Design complete	31/07/20	Complete	Close out of comments ongoing
Commence PW procurement	June 2020	Complete	
Award PW contract	Nov 2020	Delayed	Estimated 31/04
Practical completion	September 2022	Delayed	To be revised however delay to contract award will likely increase this to beginning of 2022.

Project Budget Status		
Approved Budget	Actual Spend to Date	Forecast Total Spend
<i>Finance to provide</i>	<i>Finance to provide</i>	<i>Finance to provide</i>



**Project Name: Kerikeri WWTP & Reticulation**

**Project Phase: WWTP Construction**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Amber	Plant - The plant is operational, and all documents were handed over to Far North Waters. In process getting quotes for all the Health and Safety and Operational issues. Reticulation - The reticulation project is nearing completion and we have received a total of 224 signed off letters to date. United Civil in process to submit delay claim – awaiting information. On track to complete work by May 2021.
Scope	Green	Green	Scope creep from design issues due to awarding contract without “IFC” drawings, is managed and the HAZOP has been revised for the new site and is completed.
Schedule	Amber	Amber	Design discrepancies, resolution of compliance and health and safety issues are identified and managed.
Cost	Red	Amber	Reticulation – United Civil submitted delay claim on 08 April 2021 and needs to be evaluated.
Project Risk	Amber	Amber	Schedule extensions and cost increases are managed as stated above. Pipework damages within Area of Benefit in the Reticulation portion, which were discovered during pressure testing in November 2020. Official handover of Plant to Far North Waters was done, with only Asset Data Register outstanding. Unforeseen operational issues were picked up by Far North Waters during operation in December 2020/January 2021 and was discussed between Far North Waters and FNDC. A final list with costs and a risk register will be prepared to determine the propose way forward. Delay claim and additional VO’s to be managed. Cost management the biggest Risk.

**Monthly Summary:**

Construction of the new Treatment Plant is completed with only some Health and Safety operational issues to be attended to. The plant is operational and all documents were handed over to Far North Waters. Mott MacDonald and Stellar Projects to update Asset Data Register and sheet.

The cut over of the individual properties septic system to the new wastewater reticulation network is progressing well with a total of 224 of the 319 properties already connected with sign off letters (happy letters) from the landowners by the end of March 2021.

**Key work completed during March 2021**

**Treatment Plant**

• **Construction - Roading / Earthworks / Pipework**

- Attending to Defects;
  - Fixed the Decant valve of SBR 1;
  - Alarm from the level transmitter on the WAS tank was fixed by McKay;
  - Fixed the Terminal pump station control;
  - UV Issue was fixed by McKay;
  - Inlet Screens not changing duty in automatic was fixed by McKay;
  - Adjusted the caustic dosing to resolve high Alkalinity results.
- Ongoing attending to safety and operational issues raised by Far North Waters;
  - Quote obtained for spare parts which are required for the plant to function;
  - Screening Bins tarpaulin supports was installed; and
  - Sampling Point – grates were modified pre and post UV.
- Broadspectrum adding details to the Asset Data Sheet.

• **Design**

- Received revised Offer of Service from Mott MacDonald to review handover documentation (reduced scope): decision to be taken if and what needs to be reviewed; and
- Mott MacDonald investigated the issue at the WAS Tank sludge wasting procedure: A design solution was done to maintain full pipeline and air free operation when pumping. Broadspectrum submitted quote for variation.

• **Commissioning**

- Ongoing testing and analyse of results. Some outstanding test results to be supplied by FNW; and
- Ongoing monitoring of the performance of the Treatment Plant by Mott MacDonald for a duration of six months until end of June 2021.

• **General**

- Contract Completion/handover documents review by Far North Waters;
- Fence issue and Top Energy Easement investigation; and
- Land and easement agreements by Law North. Awaiting valuation of land portions.

**Reticulation Contract**

• **Construction - Roading / Earthworks / Pipework**

- Approximately 300 Properties connected to date. 224 signed off property letters received;
- As Builts - Surveyor full time on site;
- Kerikeri Road Pumpstation was upgraded;
- Request from some owners to keep existing Septic Tank. List of all properties (approximately 12 currently) to be provided. 5 Disclaimers received to date.

• **Design**

- Attending by Mott MacDonald to connection queries; and
- Investigation of capacity checks in Hall Road and Cobham Road.

- **Commissioning**
  - Phase 6 Commissioning - Dewatering System commissioning. Bench tests
- **General**
  - Evaluation of rates by ETC ongoing;
  - Swipe cards and disposal of septic tanks report required from UCC;
  - Ongoing responding to queries from landowners and RFS's; and
  - Easements required for some variations.

Main activities planned on the Treatment Plant for April 2021 are updating of the Asset Data Register and attending to Defects and the safety and operational issues raised by Far North Waters.

Work will continue by United Civil with the cutting over of the house connections with an estimated completion by May 2021 and close out of projects by May/June 2021. Decommissioning of the existing treatment facility in Shepherd Road is scheduled for 2021 and planning will commence after funds are secured and committed. The existing Plant was shut down at the end of December 2020.

Focus will be getting the information from the contractor:

- UCC to provide the following:
  - As Builts
  - Asset Record and Data sheets
  - Warranties/Guarantees
  - Pressure sewer system commissioning certificates from the suppliers
  - CoC and electrical safety certificates for each connection
  - O & M manuals
  - Photographic Records

Key Project Risks		Mitigation of Risk	
Reverse sensitivity around new WWTP and infrastructure		Assess design odour control efficiency during operations	
Design changes increase schedule and cost		Facilitate alignment between design and construction	
Managing stakeholder expectations		Communicating of timeframes ongoing through monthly newsletters and direct communications by staff and Project Manager. RFS from community are ongoing.	
Commissioning Phase 6 - Unforeseen and results not being achieved		Defects picked up by Operators that will require adjustments or additions. Meeting scheduled between FNDC and FNW postpones until all works are costed with a completed Risk Register.	
Covid-19 level changes		Contractor implementing Government guidelines for Level 2 on 28 Feb and is ready for level changes.	
Cost Management of Reticulation Contract		Delay claim and variation orders	
Project to be capitalised		Getting the necessary as builts and asset data from contractors to capitalise project in time for rates adjustments of 1 July 2021	
Key Project Milestones	Expected	Status	Comment
Asset Data Register update and capitalising of Project	30/05/20	Pending	Mott MacDonald and Stellar Project to complete Asset Data sheet for Plant. UCC to submit Asset Data for Reticulation project.
Practical Completion of Kerikeri WW reticulation and Close Out	31/05/21	Pending	First and second stage completed. Stage 3 started in December 2020 and will continue until May 2021.
Decommission existing Kerikeri WWTP	tbc	Pending	Budget to be confirmed.
Project Budget Status			
Approved Budget		Actual Spend to Date	Forecast Total Spend
<i>Finance to provide</i>		<i>Finance to provide</i>	<i>Finance to provide</i>

**Project Name: Monument Hill Deep Bore Project**

**Project Phase: Stage 2 Drilling - Construction**

Status Item	Current Status	Prior Status	Summary
<b>Overall Project Status</b>	<b>Green</b>	<b>Green</b>	<p>The drilling of the production bore that started in December 2020 and was completed on 24 February 2020. The bore was developed for two days to remove all drill additives and fine material left over from the drilling process. A submersible pump was installed for the test pumping, which started on 4 March 2021 and continued for five days until 9 March 2021. The data from the test pumping is now being analysed to determine the sustainable (long term safe) yield of the bore, and the effects of pumping on the shallow aquifer and springs. The report from Williamson Water and Land Advisory (WWLA) is expected in the first week of April. The outcome of the report will determine the fate of stage 3.</p> <p>Stage 1: Bore Design and Quality Testing (Complete)</p> <p>Stage 2: Sustainable Yield Assessment &amp; Consenting to provide a sustainable supply of highly secure potable water for the Kaikohe community (In progress)</p> <p>Stage 3: Reticulation and Electrical Design</p>
<b>Scope</b>	<b>Green</b>	<b>Green</b>	<p>The physical works for stage 2 scope is confirmed. The outcome of stage 2 and testing will determine the fate of stage 3. (Will only be done if test results in Stage 2 are satisfactory). The physical works for stage 3 will entail installing a pump and laying a trenched pipe to connect to the Monument Hill Water Treatment Plant. Electrical upgrades at the water treatment plant and public infrastructure will be required. Scope to be determined.</p>
<b>Schedule</b>	<b>Amber</b>	<b>Amber</b>	<p>Stage 2 to be completed in March 2021. Project delayed by 4 weeks due to cracked in casing and repairs required. Stage 3 timeline to be determine. Stimulus Grant program scheduled completion by March 2022.</p>
<b>Cost</b>	<b>Green</b>	<b>Green</b>	<p>Project on budget.</p>
<b>Project Risk</b>	<b>Green</b>	<b>Green</b>	<p>Landowner agreements to be finalised.</p> <p>Impact of Bore on groundwater might restrict project. Waikotihe Trust relationship to be monitored.</p>

**Monthly Summary:**

**Construction**

- WWLA undertook a CCTV survey of the Monument Hill Deep Bore after the completion of the works to repair the water ingress issue. The survey was undertaken to confirm:
  - the as-built details conform to the new design; and
  - the integrity of the materials post construction remains as new (i.e., no damage during installation).
- Testing to confirm sustainable yield and effect on ground water.

**Design**

- Analysing of test results and writing of report by WWLA.

**General**

- Waikotihe Trust relationship and consent to be managed - obtain the Trust consent to proceed with the project.

**Key activities planned for April 2021:**

**Construction Works**

- De-establishment of contractor, clearing and Site Reinstatement.

**Design**

- Evaluation of outcome of testing;
- Planning the way forward and project scope; and
- Consenting process planning stage.

**General**

- Agreement with Landowner to be managed by FNDC legal team; and
- Waikotihe Trust relationship and consent to be managed - obtain the Trust consent to proceed with the project

Key Project Risks	Mitigation of Risk
Covid-19 Level changes	Contractor implemented Government guidelines for Level 2 on 28 Feb and is ready for level changes.
Land Stakeholder Engagement and Approval	Agreement with Landowner to be managed by FNDC legal team. Waikotihe Trust relationship and consent to be managed - obtain the Trust consent to proceed with the project.
Water Quantity	The sustainable yield from new bore to be determined. The outline design suggests that a daily volume of over 800m <sup>3</sup> /day is achievable. The above is to be determined/confirmed. Initial test results after the development of the bore indicated much lower than that.
Water Quality	Williamson Water and Land Advisory performed water quality tests on exploratory bore and did not smell and was clear. The dissolved iron concentrations were identified as a water quality risk and needs to conform to DWSNZ standards.
Existing Water Treatment Plant	Williamson Water and Land Advisory performed water quality tests on exploratory bore and did not smell and was clear. The dissolved iron concentrations were identified as a water quality risk and needs to conform to DWSNZ standards.

Key Project Milestones	Expected	Status	Comment
Completion of testing	18 March 2021	Completed	
Close out and Reporting	30 April 2021	Pending	WWLA is busy with analysing and reporting. McMillan Drilling to de-establish and reinstate area.
Resource Consent preparation and application	8 to 12 weeks (22 June 2021)	Awaiting outcome of Stage 2 testing	On the assumption that it will be a Non-Notified application
Further milestones to be determined after outcome of testing			
Project Budget Status			
Approved Budget	Actual Spend to Date	Forecast Total Spend	
\$1 180 000	\$176 025	\$1 180 000	

**Project Name: Paihia WWTP Upgrade**

**Project Phase: Planning and Design – Regress due to Chemical Dosing Requirements**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	Construction is 99% complete. PC Certificate has been issued and only minor defects remaining to close out.
Scope	Amber	Amber	WSP have been asked to provide further input to modular options at Paihia and Haruru Pump Station As yet we have not proceeded to allow understanding of cross over works planned at Haruru pump station.
Schedule	Red	Red	Initial target to have design completed in Jan 2021 and modular units installed in Feb but this has been delayed allowing crossover works at Haruru to be planned. WSP is awaiting confirmation and are ready to proceed with design.
Cost	Amber	Amber	Project is currently within budget, but this is now at risk due to the new requirements for a long-term chemical dosing unit at Haruru station and locally on site. Each unit is likely to cost approx. \$120,000 this will take the budget into overspend
Project Risk	Red	Red	The January testing phase has been complete and has returned compliant readings across the board for the plant.

**Monthly Summary:**

Defect close out is still underway with the final items to be closed out in the coming weeks.

The January testing phase has now been completed for the plant and has shown a compliant plant across all readings.

This proves that the chemical dosing has worked and further chemical dosing will keep the plant in the compliance range. This does mean elevated operational costs for the plant, which are to be determined by the chemical required to dose.

**Accomplishments:**

- Phase 5 – Reliability Testing Completed
- Phase 6 – Performance Testing Completed
- Practical Completion 23 March 2020

**Expected Accomplishments:**

- Notification to the code of compliance

Key Project Risks	Mitigation of Risk
Alkalinity Adjustment.	To be completed as a separate project This has been foregone due to requirements from chemical dosing.
Land Stakeholder Engagement and Approval (Tangata Whenua).	Management to meet and agree on Engagement Protocols with Tangata Whenua. (guidance required here for new alkalinity works and engagement protocols, including plants non-conformance and if this requires notification to Iwi)
Change Management.	Maintain weekly reporting and filing system.
Meeting Enforcement Order Conditions.- Non-Conformance realised	Monitor progress, continuously assess changes and impact to delivery, and apply for extension if required. Manual chemical dosing required in the short term to bring the plant back into compliant levels.

Key Project Milestones	Expected	Status	Comment
Completion of Cover install	31-Jan-20	Met	Early completion 14 Jan 2020
Commencement of performance test	26-Feb-20	Met	Early completion 20 Jan 2020
Practical Completion / Handover	22-May-20	Met	Early completion 20 Mar 2020
Completion Design of Ammonia works	30-June-20	Ongoing	TBC, this work is likely to be now constructed of Chemical dosing units to control the plants alkalinity.

Project Budget Status		
Approved Budget	Actual Spend to Date	Forecast Total Spend
\$6,478,069.71	\$5,782,256.13	\$6,478,069.71

**Project Phase: Pre-Implementation of Stage 2**

Status Item	Current Status	Prior Status	Summary
Overall Project Status	Green	Green	All physical work and preparation of the SO Plan identifying the land to be acquired by Council are completed. The formal plan has been lodged with LINZ for approval. The formal acquisition of the land area through the Gazettal process is still outstanding.
Scope	Green	Green	No changes in scope.
Schedule	Green	Green	Completed
Cost	Green	Green	Cost of project did not exceed budget.
Project Risk	Green	Green	None

**Monthly Summary:**

All Physical work is completed on project. The only outstanding items are:

- Approval from LINZ of the SO plan
- Title to the land acquired from the landowner is to be obtained by way of gazettal; and
- Compensation to the landowner

Hokianga Holdings Limited, Top Energy and Council have signed the sale and purchase and easements/maintenance agreements, and the Survey Office Plan was approved at LINZ. Property Group submitted the formal acquisition of the land area.

Key Project Risks	Mitigation of Risk
Maintenance of Top Energy lines by FNDC	As per the agreement. Tree line needs to be maintained to prevent damages to overhead lines.

Key Project Milestones	Expected	Status	Comment
Formal acquisition by Gazettal process	30/04/21	In progress	Submitted, awaiting approval

Project Budget Status		
Approved Budget	Actual Spend to Date	Forecast Total Spend
\$946,665	Finance to provide	Finance to provide

**Project Name: BOI Sports Complex**

**Project Phase: Concept Stage**

Status Item	Current Status	Prior Status	Summary
<b>Overall Project Status</b>	<b>Green</b>	<b>Green</b>	The planning stage and design stage is underway. From here the project will move into delivery stages, focussing on a staged design delivery and targeting early construction activities which can be commenced as a priority.
<b>Scope</b>	<b>Green</b>	<b>Green</b>	To manage the development and delivery of a Waipapa Sport Hub on the land acquired. The development must meet stakeholder, community, and sporting code requirements.
<b>Schedule</b>	<b>Amber</b>	<b>Amber</b>	<p>Currently the project is tracking slightly behind the original programme, this is due to the final execution of the funding agreement which only happened on the 23<sup>rd</sup> November 2020, originally planned in September.</p> <p>The design team has experienced some delays to due move in Alert levels as a result of Covid.</p> <p>Appointment of architect completed in March 2021 - took longer than anticipated (meeting procurement objectives resulted in a longer procurement process). Developed design has been completed. on the civils and sports field.</p> <p>Noise Assessment was completed. Lighting Assessment will be completed in April 2021. Groundwater assessment data will be collected during April 2021.</p> <p>Pending the outcome of these reports it could result in the Resource Consent being a notifiable consent, which results in a much longer consent processing period. Notified applications for resource consents take around four to six months to process, depending on the complexity, significance and the level of contention involved. This will impact the overall programme, as Building consent cannot be obtained until RC has been approved.</p>
<b>Cost</b>	<b>Green</b>	<b>Green</b>	The project is running within budget.
<b>Project Risk</b>	<b>Amber</b>	<b>Amber</b>	<ul style="list-style-type: none"> <li>Resource Consent processing times</li> <li>NTA approvals</li> <li>Any changes to approved concept layout would be a risk to the project.</li> <li>Meeting procurement objectives results in a longer procurement process.</li> </ul>

**Monthly Summary:**

The Contract has been awarded for the physical works for the improvements around the SH10 junction and physical works. Downers obtained an approved Traffic Management Plan, Work Approval Permit and NZTA Confirmation letter that works can proceed. Arborist is assessing trees to be removed. Works will start once arborist removed trees.

Haigh Workman progressing with developed design of civil engineering services and issued 1<sup>st</sup> draft for comments. Various comments were made during the Pre-application meeting with Council. NZTMS issued concept design report for the sports fields.

Architect appointed. Acoustic Engineer busy with noise assessment report. Lighting specialist procurement underway for Lighting assessment required for RC.

Pre-application meeting was held with Council and NTA to discuss potential S92 issues.

Key work completed in the month of March 2021:

- 1<sup>st</sup> draft concept design issued for comments
- Start of developed design for carpark and sports fields
- Engagement of Architect
- Approval of TMP, WAP and NZTA Confirmation to proceed with SH10 works

Key Project Risks	Mitigation of Risk
Potential Notifiable Resource Consent	Value Engineering during design
Design decisions	Continues communication with role-players and getting sign-offs in time
Covid or natural disaster (Civil defence emergency) disruptions	Adaptable Business Continuity plans
Market capacity to deliver	Procurement planning
Community Engagement	Agreement of a Working Group to steer matters
Downstream Impact – Ongoing future operation costs	Value Engineering during design
Supply Chain – getting services and materials needed	Early procurement
Programme Governance – Conflict of Interest	Set up Mitigation Plans

Key Project Milestones	Expected	Status	Comment
Initiation	03/08/2020	Completed	
Resource Consent	May 2021	Planning	Pre-app meeting held. S92 items identified. RC will be notified consent
Concept Design	Nov 2020	Ongoing	
Developed Design	Jan-Mar 2021	Underway	

Detailed Design	May – Jul 2021		
Building Consent	Oct 2021		BC application can only be submitted once RC has been approved
Procurement	Sept – Oct 2021		
<b>Project Budget Status</b>			
Approved Budget		Actual Spend to Date	Forecast Total Spend
\$11M		\$5M – Land acquisition	\$11M



**Project Name: Kerikeri Domain Revitalisation**

**Project Phase: Concept Stage**

Status Item	Current Status	Prior Status	Summary
<b>Overall Project Status</b>	<b>Green</b>	<b>Green</b>	The community and working groups agreed on the initial scope of work for the current funding grants. This has been captured on a concept layout plan for the area and works can commence to ensure detailing of the scope and approach to physical works is efficient.
<b>Scope</b>	<b>Green</b>	<b>Green</b>	Scope has been agreed by key stakeholder groups and has been developed into a concept layout plan that speaks back to the master plan for the reserve. The various elements identified in the concept layout design will then be designed and executed.
<b>Schedule</b>	<b>Amber</b>	<b>Green</b>	Currently the project is tracking slightly behind the original programme, this is due to sign off from stakeholder groups for scope, originally planned in September. The Concept plan has been approved in principle, the detailed design of the Basketball Court and Skatepark has commence and the detailed design has indicated that an Earthworks Consent will be required, due to location of elements and topography of the site. Demolition and construction cannot start before Consent has been approved. A planning Assessment will be done to identify any other consent requirements. Construction of the Basketball Court and Skatepark will be delayed, but the overall delivery programme is still achievable. Design for remaining elements needs to start.
<b>Cost</b>	<b>Green</b>	<b>Green</b>	The Project is currently within budget
<b>Project Risk</b>	<b>Amber</b>	<b>Amber</b>	<ul style="list-style-type: none"> <li>Resource Consent processing time</li> <li>Wintertime earthworks</li> <li>Major changes to the concept layout plan would be a risk to the project.</li> <li>Meeting procurement objectives results in a longer procurement process.</li> </ul>

**Monthly Summary:**

Detailed design for the Basketball court, surrounding footpath and Skatepark is underway and engineering input received with regards to civil and services connections. Demolition plan completed and procurement of local contractors can commence in April 2021.

Procurement of the physical works for the Basketball Court and will be done once detailed design is complete and RC has been submitted.

Further works which require specific design have be identified and move into design over the next two months.

Key Project Risks	Mitigation of Risk
Market capacity to deliver	Procurement planning
Community Engagement - Community buy in is KEY, the community might argue they didn't want it in the first place	Agreement of a Working Group to steer matters
Downstream Impact – Ongoing future operation costs	Value Engineering during design
Supply Chain – getting services and materials needed	Early procurement
Programme Governance – Conflict of Interest	Set up Mitigation Plans

Key Project Milestones	Expected	Status	Comment
Initiation	03/08/2020	Completed	
Community Scoping	Aug-Sept 2020	Completed	Workshop held
Developed Design	Nov-Dec 2020	Completed	
Detailed Design	Jan 2021	Underway	
Procurement	Jan 2021	Ongoing	
Construction	Jun 2021		

**Project Budget Status**

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$ 3M	\$ 0M	\$ 3M

**Project Name: Freese Park Coastal Erosion – Design and Consenting**

**Project Phase: Options Assessment**

Status Item	Current Status	Prior Status	Summary
<b>Overall Project Status</b>	<b>Green</b>	<b>Green</b>	<ul style="list-style-type: none"> <li>Investigations are complete:                             <ul style="list-style-type: none"> <li>Drone survey undertaken and output has been received.</li> <li>Geotechnical investigations undertaken and output has been received.</li> </ul> </li> <li>Preliminary Planning Assessment has been completed. This included investigation into the compliance of existing structures.</li> <li>Consultation Strategy/Plan in draft.</li> <li>Coastal Process and Erosion Assessment has been finalized.</li> <li>Options Assessment has been completed in draft and the outcome of this assessment has been issued in a report to Council (due to be presented at the May Council Meeting).</li> <li>Project on hold until we receive Council approval to proceed to public consultation based on the proposed design concepts. Awaiting May Council meeting.</li> </ul>
<b>Scope</b>	<b>Green</b>	<b>Green</b>	No changes in scope
<b>Schedule</b>	<b>Amber</b>	<b>Green</b>	Project on hold – awaiting outcome of May Council meeting
<b>Cost</b>	<b>Green</b>	<b>Green</b>	No impact on project costs to-date
<b>Project Risk</b>	<b>Green</b>	<b>Green</b>	None

**Monthly Summary:**

The key pieces of work completed in March 2021 were as follows:

- Options Assessment completed to draft.
- Council report submitted.

Key Project Risks		Mitigation of Risk	
Integrated erosion management solution cannot be agreed upon		Early and clear consultation with key stakeholders including owners of properties bordering the public spaces.	
COVID lockdowns result in delays to project		Build contingency into programme	
Key Project Milestones	Expected	Status	Comment
Presentation to Council of work to date including options considered and proposed consultation strategy.	Early May	On hold	No comment

**Project Budget Status**

Approved Budget	Actual Spend to Date	Forecast Total Spend
\$199,404	\$79,264	\$199,404

## TOURISM INFRASTRUCTURE FUND

### August 2019 Applications:

Project		Status	Notes
1a	Waipapa Toilet Capacity Upgrade (Soakage Field)	Approved with Funding Agreement	Onsite kick-off meeting has been held. Traffic management and safety plans have been submitted for review. Dripline layout has been confirmed. Construction start date has been moved to 27 April to deconflict with School holidays. Toilets are unlikely to require closure.
1b	Waitangi Jetty Toilet Capacity Upgrade (BOI Yacht Club)	Approved with Funding Agreement	The new extension block has been completed. A local supplier has submitted a comprehensive and well-priced proposal to complete the conversion of the old block. They are currently undertaking SiteWise qualification. Joint initial payment received from MBIE of \$187,000 + GST for both Waipapa Toilet upgrade and Waitangi Jetty Toilet Upgrade. Completion targeted to align with the Waipapa Toilet Upgrade and therefore close off the TIF project.
2	Pungaere Road Seal Extension	Approved with Funding Agreement	Works onsite has progressed well with completion of the full Pavement overlay throughout the 3.5km length of the site. Pavement stabilisation and preparation was completed on the first 1.4km section, with the stabilisation and preparation of the remainder of the site programmed for early April. The installation of the final crossroad culverts and discharge outlets to address long standing discharge issues was largely completed in March, with additional outlet structures and culvert headwalls to be installed once sealing has been completed.
3	Cable Bay Carparks	Approved with Funding Agreement	Initial payment received of \$79,436 + GST. Agreement has the construction phase scheduled in the next financial year. Local designer has been approached to schedule the design process. Potential to align with the Te Hiku PGF project to maximise productivity and local economic benefits and this is looking more likely.
4	Taipa Beach Pohutukawa Protection	Completed	Remedial work completed.
5	Paihia Beach Toilet Enhancement (Outdoor Shower/Drainage)	Completed	Drainage issue resolved and shower installation is now complete.
6	Stone Store Lighting	Approved with Funding Agreement	A contractor has been appointed to deliver the electrical services; the challenge is now to schedule availability. Construction Design is underway. Construction itself likely to be July due to contractor's schedule and Heritage NZ preferences.
7	Freedom Camping Operational Plan Study Grant	Approved with Funding Agreement	Infrastructure requirements being priced and final report drafting continues and is expected to be completed in April.
8	District Boat Ramp Operational Plan Study Grant	Approved with Funding Agreement	Final report completed. Next step is to go to the Infrastructure committee.


## August 2019 TIF Funding

Project	Community	FNDC	MBIE	Total	
1a	Waipapa Toilet Capacity Upgrade (Soakage Field)		\$120,000	\$254,600	\$424,600
1b	Waitangi Jetty Toilet Capacity Upgrade (BOI Yacht Club)	\$50,000			
2	Pungaere Road Seal Extension		\$793,584	\$793,584	\$1,587,168
3	Cable Bay Carparks		\$238,136	\$238,136	\$476,272
4	Taipa Beach Pohutukawa Protection		\$8,000	\$8,000	\$16,000
5	Paihia Beach Toilet Enhancement (Outdoor Shower/Drainage)		\$14,300	\$14,300	\$28,600
6	Stone Store Lighting		\$13,750	\$13,750	\$27,500
7	Freedom Camping Operational Plan Study Grant		\$37,500	\$37,500	\$75,000
8	District Boat Ramp Operational Plan Study Grant		\$37,500	\$37,500	\$75,000
<b>Totals</b>		<b>\$50,000</b>	<b>\$1,262,770</b>	<b>\$1,397,370</b>	<b>\$2,710,140</b>

## Round 5 March 2020 TIF Applications

**Note: Round 5 has been postponed by MBIE due to Covid-19 and will likely be cancelled.**

## NEW CONNECTIONS AND FNDC CONSENT REVIEW

Activity		March 2021	YTD '21	YTD '20	
Applications for new Water and Wastewater connections		9	72	80	9 requests to connect to Council water and wastewater services were received in March 2021. Year to date Council has received 72 applications (compared to 80 last year)
FNDC Resource Consent Applications Reviewed by IAM	AI	49	437	264	IAM's development engineer and consents technician review all consents and provide comment on how to minimise/mitigate impacts on Council infrastructure.
LIMs Assessed	AI	191	1522	1120	IAM's consents technician input into Land Information Memorandums by completing soil reports and assessing development contributions.

# PROGRAMME DARWIN

To lead best practice enterprise asset management in New Zealand.

**Mā te kimi ka kite, Mā te kite ka mōhio, Mā te mōhio ka mārama**

Seek and discover. Discover and know. Know and become enlightened.

Learning is a journey. It starts with a conscious effort to seek knowledge. Upon seeking, you will surely discover a brand new thing or see a familiar object in a totally new light. Eventually, the things you know will lead you to become wise beyond your years. Seek. Discover. Know. Be enlightened.



## EXECUTIVE SUMMARY

Program Darwin continues to advance albeit at a moderate rate. The recent appointment of the new Programme Manager, with full time commitment, will significantly improve progress and strengthen the existing relationship with staff and suppliers. Data capture work continues as does system and business process development on the back of advancing understanding of the application and operating environment.

## □ Programme Vision

Vision: **Leading best practice enterprise asset management in NZ.**

Mission: **Lifting the understanding and delivery of asset management across the organisation.**

## □ Status Indicators

<b>Overall</b>	→	No significant change in status. System workstream remains on track and initial work on data supply chain engagement is continuing.
<b>Benefits</b>	■	No change; remains the basis of performance framework.
<b>Capability</b>	■	Challenges remain with project delivery resourcing across the project team, including asset SME's, IT project support and supply chain capacity to support project inputs. New Programme Manager started on 9 Feb 2021.
<b>Leadership</b>	■	Programme leadership has been strengthened with the appointment of a permanent Manager Asset Management & Infrastructure Planning to foster greater integration and task prioritisation. Status improved to green after the appointment of the Programme Manager – EAM.
<b>Budget</b>	■	Currently appears within forecast but quality of data remains under investigation. 2022 and follow-on year budgets yet to be defined.
<b>Roadmap</b>	■	Revised timelines, deliverables and expectations detailed in November update to Elected Members may need to be revised. A PSG is scheduled for mid-April during which the programme of work to be delivered will be clarified.
<b>Risk</b>	■	A prior item raised around commitment distraction arising from work being performed on water reforms.

## □ State of Play

Last Month	Next Month(s)
<ul style="list-style-type: none"> <li>Programme: Candidate for permanent (fixed term) Programme Manager appointed.</li> <li>•</li> <li><b>Tooling W/S-1:</b> Data cleaning against IPS business rules for Dataset-1 completed, and refinement of business processes continuing.</li> <li><b>Lifecycle W/S-2:</b> Revised strategy of condition data capture works implemented.</li> <li><b>Transformation W/S-3:</b> Initial workshop held with IAM and P&amp;C.</li> <li><b>Stakeholders W/S-4:</b> Continued engagement with all data supply chain partners e.g., Far North Waters on system requirements.</li> </ul>	<ul style="list-style-type: none"> <li><b>Programme:</b> Candidate for permanent (fixed term) Programme Manager appointed.</li> <li>•</li> <li><b>Tooling W/S-1:</b> Data cleaning against IPS business rules for Dataset-1 completed, and refinement of business processes continuing.</li> <li><b>Lifecycle W/S-2:</b> Revised strategy of condition data capture works implemented.</li> <li><b>Transformation W/S-3:</b> Initial workshop held with IAM and P&amp;C.</li> <li><b>Stakeholders W/S-4:</b> Continued engagement with all data supply chain partners e.g., Far North Waters on system requirements.</li> </ul>

## □ Programme Workstreams

Name	Type	Status	Programme Comment
<b>1-TOOLING:</b> Integrated Asset Management System (IPS)	Project	■	Full operational use of INFOR will only be possible once all the data loads have been migrated (realistically December 2021), and the system has been fully configured (towards the end of 2023). The status will be updated to reflect the updated schedule once the AMS project manager has agreed to the revised timeline. The team is experiencing delays within the data cleaning process.
<b>2-LIFECYCLE:</b> Asset Life Cycle, Processes, Condition Assessment, Data & Analytics)	Operational	■	No budgetary changes, the planned LAMP pilot is not expected to be ready by June 2021. Currently, the completion of a pilot LAMP is projected to be delivered December 2023. Asset CA is being delayed ensuring the process and tooling for the capturing of field data will provide for an efficient process, correct asset fields and accurate data. WinCan is being assessed as a potential solution to address these requirements.
<b>3-TRANSFORMATION:</b> Roles & Responsibilities, People & Culture	Improvement	■	Initial survey completed (Field Force). Transformational plan (for Assets Team) is being discussed between Management and PraCvus. Toney McCartney will be facilitating a follow-on workshop from March to build some structure around this.
<b>4-STAKEHOLDERS:</b> Internal & External	Improvement	■	Engagement program yet to be initiated. Communications Framework to be reinvigorated.

## □ Programme Milestones

Milestone	Baseline Date	Actual Date	Status	Comment
Identify Stage completed	NA	30/11/2019	■	Programme plan agreed for stage 1; stages 2 & 3 delivery plans to be workshopped with the stakeholder group over the coming months.
Define Stage completed	31/03/2020	1/02/2021	■	Operational demands on project resources along with discovered issues relating to data and data access have delayed progress until availability of condition data and working system environment.
Execute Stage completed	30/06/2021	30/06/2023	■	Delivery date extended to reflect the adaptation necessary once the team begins with condition data importing & manipulation.
Product Review Stage completed	30/06/2022	31/12/2023	■	Project & workstream delivery will be staggered to ensure each value release builds on prior releases over 2021-2023. The reduction in condition budgets may foil the delivery of a fully mature system by June 2022.

□ Top Programme Issues

Ref #	Explanation & Cause	Priority	Action Required	Owner	Date Raised
5	Operational commitments impede staff availability to participate in workshops or contribute to Darwin, resulting in sub-optimal progress.	1	Some improvement in the outlook with additional resourcing coming on board. Still expect this issue to prevail throughout the life of the programme.	PrgM – EAM	May 2020

□ Top Programme Risks

Ref #	Description	Risk Status	Current Risk Rating	Trend of Risk Rating	Mitigations	Owner	Review Date
11	Program resourcing constrains may lead to an adjusted risk profile.	Possible	Major	Stable	Status report and mitigation framework presented. Full programme lifecycle program update by November 2020.	PrgM – EAM	Mar 2021
14	Investigation into budget management have identified some potential issues with coding of time.	Probable	Significant	Stable	Changes to budget allocation still being worked through	PrgM – EAM	Mar 2021
15	Water reform investigations/negotiations impact both progress and willingness to advance program	Possible	Major	Stable	Programme leadership commitment and organisational information governance committee oversight.	PrgM – EAM	Mar 2021

# INFRASTRUCTURE PLANNING

Policy making and integrated planning.  
Managing consents which authorise activities essential to the services Council provide.

The following provides an overview of the current priorities on the Infrastructure Planning Team's work programme. This includes planning projects, collaboration and engagement activities and key consent applications and renewals.

## EXECUTIVE SUMMARY

In the month of March, the Infrastructure Planning team progressed work on several key projects:

- The recently issued resource consent required working group (WG) consisting of senior council staff, Ngati Kahu hapu and community representatives to be established. The group met for the first time in March and will meet monthly over the next year.
- The 2021-2051 Infrastructure Strategy is largely completed, and staff are currently addressing audit feedback.
- Wastewater land disposal assessments have been completed for the Kaikohe and Kaitaia wastewater treatment plants. Findings from these assessments along with analysis of economic and practicable viability, will be reported to an up-coming committee meeting.
- Infrastructure planning continue to work with Strategic Planning and Policy team on key pieces of work including:
  - Parking policy and bylaw
  - Water supply bylaw review
- Staff continue to work on project to develop methodologies to undertake inhouse the task of forecasting future demands that will be placed on our water and wastewater schemes.



Key: ● Complete ● In progress ● Parked



Activity	Asset Group	Status				Expected Completion	Comment
		Concept	Plan	Deliver	Handover		
<b>Strategies / Plans / Policies</b>							
District Transport Strategy		●	●	●		FY19/20	The Council endorsed Integrated Transport Strategy Programme Business Case awaits NZTA Board approval. The programme has been incorporated into the draft Regional Land Transport Plan and NZTA suggested modifications have been effected to ensure improved chances of gaining subsidy. The RLTP was promoted at Have Your Say events around the region in March. Deliberations on feedback will be undertaken in April and be reported to the Regional Transport Committee for approval to make any necessary adjustments to the final RLTP. The Transport Strategy development project is now being prepared for closure and preparations are underway on next phase implementation planning. The FNDC website has been updated with the draft Transport Strategy. Public consultation was undertaken on the Long Term Plan consultation document which incorporated the Infrastructure Strategy and the Transport Strategy. LTP Submissions will close early April followed by hearings mid-April
Sludge Strategy – End Use		●	●			Ongoing	Making good use of the sludge as a resource is a challenge. The 2018 Sludge Strategy identified a number of potential options for end use, including identification of a preferred end use (quarry rehabilitation), however initial development of this option identified a number of potential hurdles. Staff are reviewing end use options with the intention of determining a preferred option. Further work, in terms of implementing the preferred overall sludge management approach (the centralised strategy option) is required to facilitate the current review of the end use options outlined in the sludge strategy.
WWTP Consent Replacement Programme		●	●			Ongoing	A programmed approach has been initiated to support the consent replacement process for Councils wastewater treatment plants. An initial planning assessment has now been completed to cover the consent replacements that need to be lodged over the next five years. That work provides key planning considerations, risks and technical information requirements for each consent application. Commissioning of urgent technical work required to support the Kaikohe and Kaitia wastewater treatment plants is largely complete and consultation with potentially affected parties is about to commence.
2021-2051 Infrastructure Strategy	 	●	●	●		Ongoing	The Local Government Act requires that all Local Authorities prepare an infrastructure strategy as part of the long-term plan. The infrastructure strategy sets down Council's strategic response to address major long-term infrastructure challenges. The strategy is largely completed, and staff are currently addressing audit feedback.
Paihia Network Model Upgrades	 	●	●	●		Mid 2021	Separate projects are underway to update and calibrate the water supply and wastewater network models for Paihia. Rebuilding of both models is more or less complete, and contractors are in the final stages of calibrating the models using the flow data acquired over the summer season. We were fortunate with the wastewater flow monitoring to capture two significant rain events and capture peak flows that occurred during peak summer season, Waitangi weekend, and Auckland Anniversary weekend. Water supply monitoring was successful also due to the monitoring occurring during a period when no water restriction were applied to the Paihia community. Project completion is on track for 30 June 2021, in accordance with MBIE funding agreement.
Kerikeri WS and WW, and Taipa WW Model Upgrades		●	●			Late 2021	During the month of March, Jacobs commenced analysis of the existing models and other available data relating to each of these models, to enable Jacobs staff to understand (1) the complexities of these models, (2) the extent to which the current models are out of date, and (3) the extent of information considered missing/required to enable a robust flow monitoring programme and to prescribe a model update programme that results in new, reliable models.
Water and Wastewater Demand Forecasting	 	●	●	●		Mid 2021	A list of recommendations to improve the quality of the data available to FNDC is being reviewed by staff for implementation. The consultants engaged to develop methodologies for forecasting future demands are underway with this stage of the project. Currently the programme is on track to have the methodologies developed, and implemented with regards to the Paihia schemes, by mid-2021.
Wastewater Disposal to Land Investigations		●	●	●		Ongoing	Policy D.4.3 of the Proposed Regional Plan for Northland sets out that a resource consent application to discharge municipal wastewater to water will generally not be granted unless a disposal to land option has been considered and found not to be economically or practicably viable. FNDC staff have developed a robust discharge to land assessment methodology, being a desktop method to identify sites potentially suitable for land disposal. This assessment has been completed for the Kaikohe and Kaitia WWTP and is currently underway for the Hiji WWTP. Findings from the assessments for Kaikohe and Kaitia, along with analysis of economic and practicable viability, will be reported on at the May 05 Infrastructure Committee meeting, to seek a recommendation from elected members as to whether or not disposal of treated wastewater to land is considered to be economically viable for the Far North district.
Ahipara Wastewater Disposal to Golf Course Investigations		●				Parked	An assessment of the potential viability of disposing treated effluent from the Ahipara WWTP to the Kaitia Golf Course has been provided to interested parties, specifically including the Kaitia Golf Course, for their consideration. No further work is being currently undertaken on this project.

Key: ● Complete ● In progress ● Parked



Activity	Asset Group	Status				Expected Completion	Comment
		Concept	Plan	Deliver	Handover		
Rawene WWTP Optioneering		●	●	●		Ongoing	Te Mauri o te Wai (TMoTW) have been issued the final technical report with multi criteria analysis and order of costing. The consent allows TMoTW to identify a preferred upgrade option and if it does, then Council must consult on this upgrade option (and alternative options) through a Long Term Plan process. Working together with Te Mauri o te Wai we feel that identifying a preferred option in time for LTP consultation will rush a process which has been carefully managed until now. Instead, we are looking to incorporate the consultation into the LTP amendment planned for year 1 of the LTP.
Parking Policy and Bylaw		●	●			June 2022	The current Parking and Traffic Control Bylaw was not reviewed and will be automatically revoked on 17 June 2022. The district-wide parking policy and associated bylaw project is underway with significant research undertaken in-house. The Project Brief has been modified to address risk associated with policy development timeline impact on delivery of the bylaw by 17 June 2022. A Project Plan will be developed to establish the programme of consultation and engagement activities for interested and affected parties. Council's Engagement team will help facilitate this essential element contributing to the successful adoption of this critical and very topical project
<b>Consent Applications/Authorisations</b>							
Kaikohe WWTP Renewal		●				August 2021	The Kaikohe wastewater treatment plant (WWTP) services the urban areas of Kaikohe and Ngawha. The existing resource consent authorises the discharge of treated wastewater into the Wairoro Stream. The existing consent expires 30 November 2021. It is known that the nutrient levels in the discharge will need to be reduced to improve water quality and to meet appropriate environmental standards. To achieve this, it is likely that the treatment plant will need a significant upgrade. The preferred upgrade option has been identified along with high level costs for input into the LTP. The study on land disposal feasibility which includes a high-level analysis of costs has been completed. Staff will be reporting to Council on the economic viability of land disposal in May. The ecological assessment is underway, with the final report expected to be issued mid-April. On 20 April, Senior staff will be attending Hauauru Takiwa meeting at the Kaingahoa Marae, Kaikohe to discuss the consent renewal and the Cultural Impact Assessment.
Kaitaia WWTP Renewal		●				August 2021	The Kaitaia wastewater treatment plant (WWTP) services the urban areas of Kaitaia. The existing consent expires 30 November 2021. An application to renew the consent will be lodged with the NRC prior to 30 August 2021. The preferred upgrade option has been identified along with high level costs for input into the LTP. Current work underway includes a study on land disposal feasibility, the effects of the tradewaste discharge from JNL, the commissioning of an ecological assessment and a flood hazard assessment. Technical field work for the ecological assessment will begin in April.
Kohukohu WWTP Renewal		●	●	●		June 2021	A CIA is the final report required to fulfil NRC's request for information and once this has been complete the project will move on to the public notification/hearing phase. The CIA is process is being facilitated by an external contractor. Further hui are required to finalise the CIA however the draft has been started.
Puketotara surface water take (source for Kerikeri WTP)		●	●	●		March 2021	NRC have issued the draft conditions for a consent and he proposed flow restriction of 140 l/s does not provide adequate security for an essential public water supply in average and dry years. Discussions about the suitability of the conditions continue and are yet to be resolved and staff have requested that NRC prepare a request for further information so that is project can be moved forward. Latest conversations with NRC are that this application will be progressed once relevant provisions of the Proposed Regional Plan (those that apply to registered drinking water suppliers) become operative, which is likely to be in the next two to three months.
Motutangi Drainage District Concession application		●	●	●		TBC	In late 2019 DOC advised that the draft concession report would be peer reviewed and then be sent to Kaitaia's Operations Manager for approval. However, despite continued requests for updates no information was provided until recently. In late August staff were advised DOC had a new Operations Manager in Kaitaia and that the concession application would be approved (or otherwise) by the new manager. The change in management has required a complete review of the application and it is understood the Manager is seeking an internal legal opinion on the drainage activity in the Kaimaumu Scientific Reserve. Once that has been received staff will continue to work with DOC to progress the concession application.
Kawakawa WTP groundwater reassessment		●				August 2021	In December 2020 staff initiated a project to review the correlation between groundwater levels in the source aquifer and the Tirohanga stream at the Kawakawa water treatment plant. The initial assessment has shown that the current information on the connectivity is likely to be correct (i.e., there is a high degree of correlation between the aquifer and the Tirohanga stream) but has recommended some next steps, including aquifer tests to provide a complete assessment. Covid travel restrictions have delayed the hydrologist's site visit however a recommendation and proposal for further aquifer testing is expected before May 2021. If the consent can be amended, then that work can be prioritised so that the amended consent is issued before the 202122-dry season.
Southern Animal Shelter		●	●			April 2021	Resource consents from both NRC and FNDC are required to construct the new southern animal shelter. Applications have been lodged and are currently being processed.
Temporary Southern Animal Shelter		●	●	●		June 2021	A retrospective resource consent (land use) application has been made to authorise the temporary southern animal shelter located in Horeke. The consenting authority (FNDC) has determined that the application should be limited notified and this will occur in April.

Key: ● Complete ● In progress ● Parked



Activity	Asset Group	Status				Expected Completion	Comment
		Concept	Plan	Deliver	Handover		
East Coast / Taipa WWTP WG		●	●	●	●	March 2021	The recently issued resource consent required working group (WG) consisting of senior council staff, Ngati Kahu hapu and community representatives to be established. The group met for the first time in March and will meet monthly over the next year. The first milestone to be achieved by the WG is to assess the options for disposing of treated wastewater (including land disposal options) and to provide a report to NRC with the best practicable option (BPO) by 1 September 2022. If the BPO is land disposal then NRC must be notified by 1 July 2023 whether or not Council, it is committing to the land disposal option.

Activity	Comment
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**Collaboration and Engagement**

Parking policy and bylaw	A collaboration project with the Strategic Planning and Policy department is underway to write a district-wide parking policy and associated bylaw. The need for a parking policy is clear having been identified throughout the Integrated Transport Strategy and Plan. The current Parking and Traffic Control Bylaw was not reviewed and will be automatically revoked on 17 June 2022.
Disability Action Group	The team remain actively engaged with the Disability Action Group. Recent activity includes confirming to the group that their engagement in the Integrated Transport Strategy has led to the inclusion of several projects and activities in the transport programme which will address the lack of facilities and services for people with disabilities. For example, we are working closely with NRC to expand the Total Mobility scheme into the Far North. Our engagement with the group is providing valuable insight into matters that need to be included in the new Engineering Standards. The team also encourages the attendance and participation of NTA to provide DAG members with a better understanding of operational processes
Regional Council	The Transport team are active members in the Regional Land Transport Plan working group with a key objective to ensure that the Far North Transport Strategy and Programme are fully incorporated and fairly represented alongside our neighbouring Districts in the RLTP. We were part of the team that road showed and promoted public interest in the RLTP around the region in March. Deliberations on feedback will be undertaken in April and be reported to the Regional Transport Committee for approval to make any necessary adjustments to the final RLTP.
Water Supply Bylaw	FNDC's current Water Supply Bylaw is due to be revoked on 16 October 2021; SPP staff, with support from IAM staff, continue to work on revising the content of this necessary bylaw, including seeking input from relevant internal users of the current bylaw. Key content of the revised bylaw will enable FNDC to implement water restrictions on water supply schemes, in preparation for or times of drought.
On-site water storage options paper	On-site water storage has been suggested as a possible solution to improve the resilience of the district's water supply schemes. SPP staff, with support from IAM staff, drafted a briefing paper for the Strategy and Policy Committee meeting held on 09 February, which set out relevant work undertaken by FNDC regarding on-site water storage, and summarised the current stance of other local councils regarding the potential for on-site water storage to improve water supply resilience. This briefing paper is intended to be followed up later in 2021 with a workshop with Elected Members, and an in-depth report that analyses the problem of water supply resilience and will include consideration of on-site water storage, along with other options, to improve resilience of FNDC's water supply schemes. IAM staff support will be integral to the drafting of the follow-up report, with the completion of work streams described above, such as the demand forecasting work, required to inform the in-depth report on water supply resilience. Due to work prioritisation within the SPP team, it is understood that this work is not currently being progressed by SPP.

# INFRASTRUCTURE COMPLIANCE

Oversee regulatory compliance for assets and infrastructure; lead and manage response plans in the event of enforcement action; assist teams around obligations in relation to the Resource Management Act.

The following provides an overview of infrastructure compliance with NRC issued resource consents including current abatement notices.

## EXECUTIVE SUMMARY

*Whāia e koe te iti kahurangi ki te tūohu koe, me he maunga teitei*

Pursue excellence – should you stumble, let it be to a lofty mountain

The primary goal of the Compliance function within IAMs is to identify requirements and goals from a risk compliance and assurance perspective. It is also to provide sound expert advice and oversight with regards to risk mitigation and potential opportunities. Regulatory compliance, changes and adaptation are significant and a top priority. Guided by Far North District Council's values, this function's overarching goal is to use science, data, legislative requirements, and Mātauranga Māori to support decision making, to build transparency and trust and to create collective wisdom when addressing present and future risks to the organisation's Infrastructure and Assets.

## WATER SAFETY PLANS PROJECT - PROGRESS UPDATE

### WATER SAFETY PLANS

With an eye to *Taumata Arowai* the new Water Services Regulator Act commencement in July this year the FNDC Asset Compliance Team continue to progress the Water Safety Plans WSP at pace. Jacobs NZ as retained specialist advisory engineering consultants are now well embedded in the process.

In the last month the project execution plan to deliver the WSP for each of the 8 community water treatment plants in the district is achieving the overall project milestones on programme and budget. The overarching plan has received positive feedback from the Water Assessor.

In this information verification phase of the project a very successful series of field visits to treatment plants at FNDC controlled sites is enabling up to date system schematics to be developed. The Water Safety Plan “Plan” has been presented to and endorsed by the FNW and FNDC Leadership team

#### Highlights:

- Chartering of FNDC, FNW and Jacobs – great collaboration
- Finalisation of the “plan” for delivering the 8 Water Safety Plans
- Positive feedback on the plan from the Drinking Water Assessor
- Completion of the Transgression Response Plan workshop

#### Key Activities Completed to Date:

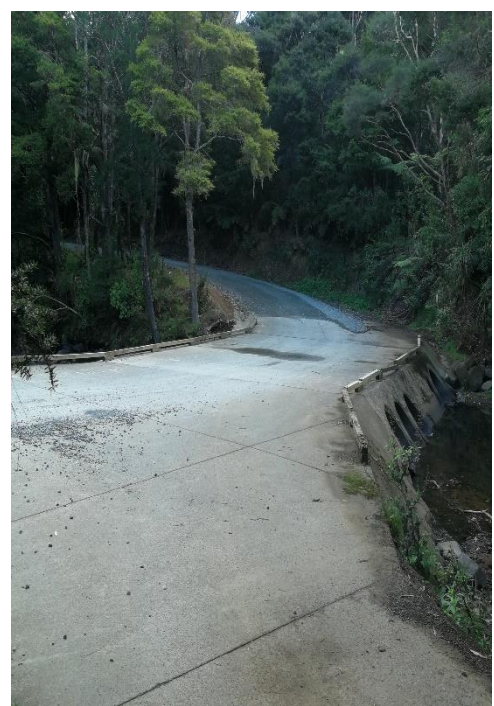
- Gap Analysis of Current documentation status against required Water Safety Plan Framework
- Plan Prepared for achieving 8 complete Water Safety Plans
- Drinking Water Safety Plan Framework Templates and methodology presented and submitted
- Water Safety Policy prepared and submitted
- Transgression Response Plan Workshop held
- Water Safety Plan “Plan” presented to Drinking Water Assessor
- Emergency Response Plan Workshop held

#### Key Activities Planned for April:

- Site visits to all 8 water treatment plants
- Completion of Emergency Response Plan Workshop
- Submission of draft Transgression Response Plan
- Submission of scope for remaining phases of Water Safety Plan for approval
- Commencement of remaining Phase 2 activities

## FISH PASSAGE INVESTIGATION - NEAR TAIPA

As a requirement of 3 Waters Reform and in line with improvements to the health and general quality of water courses and uptake water sources, the FNDC Water Compliance team were briefed with discovering degree of barrier to the passage of native fish species to their natural spawning grounds, posed by a FNDC managed culverted ford rural roading feature. This existing mass concrete feature was suspected by colleagues at



Northland Regional Council NRC of being a considerably onerous barrier to the upstream migration of fish at this watercourse.

Water Compliance have retained the services of a specialist ecological consultant in Jordan MacDonald of Riffle Restoration to advise on the degree of barrier and make recommendations for retrofitting the ford culverts to aid fish passage.

Earlier this month in a joint initiative with colleagues at the Department of Conservation DOC and NRC a monitoring and size count field investigation took place. It was pleasing to note that the initial findings are that whilst the diversity of species were narrow the numbers of fish caught and released indicates the ford culverts are not a total barrier to passage. The work to resolve treatments to watercourse transits will continue in consultation with the appropriate FNDC roading asset teams.



## DRINKING WATER STANDARDS – *Monitoring strategy and Risk Reporting*

Taumata Arowai’s recent DRAFT ‘Drinking Water Supply Operational Compliance Rules’ [DRAFT drinking water supply Operational Compliance Rules \(dia.govt.nz\)](#) has set out the requirements that drinking water suppliers must meet to demonstrate that they are not exceeding the maximum acceptable values (MAV) for microbiological, organic, inorganic, cyanotoxin and radiological determinands which are set out in the ‘New Zealand Drinking Water Standards 202X’. A determinand is a constituent or property of the water that is determined, or estimated, in a sample. The National Environmental Standard uses the term ‘determinand’ rather than ‘contaminant’ because it has a specific and narrower meaning, as defined in the Resource Management Act (1991).

These rules set out minimum compliance requirements for the supply of drinking water, and suppliers are advised that undertaking further measures depending on water supply circumstances and risks may be prudent.

Some of the marked differences within Taumata Arowai’s Compliance Rules include:

- Focus on source water monitoring.

- On-line continuous monitoring at treatment plants post reservoir.
- Daily monitoring of conductivity, temperature, pH and turbidity
- Weekly monitoring of Dissolved organics
- Monthly monitoring of E.coli and disinfection
- Monthly reporting to Taumata Arowai as oppose to the current quarterly reporting to the Drinking Water Assessor
- Calibrations of online analysers monthly rather than quarterly
- Surface water takes requiring 4 log treatments.

In anticipation for these regulatory changes, continued discussions are being held between Far North Waters and FNDC with regards to capturing the entire picture with regards to the amendments to Drinking water Standards. Further updates will be provided monthly.

## WATER MONITORING SOFTWARE

Linked to the programme of works under the Crown's Three Waters reform package is the adoption of a water monitoring software. Data (and in particular good quality data) is driving the water industry. As we know, data requirements are on the increase with changing legislation and a higher interest from our communities: to demonstrate compliance, to demonstrate performance, to plan and to reduce risk. It is not uncommon that for a council such as FNDC, the typical handling in excess of 30,000 points of manual data points and tens of millions of SCADA data points are taken in each year.

When looking to the future of data management, FNDC posed the following basic questions: what data is needed, where is that data coming from, where does it need to go, what is the quality of the data, what is the chain of custody for that data, how is that data managed, what happens to legacy data, what systems are needed for today's data and how to make provision for future data requirements?

In order to achieve the objective of improving overall efficiency, transparency, reliability and to align with strategic fit, FNDC's data set has been categorised into two priorities:

1. Compliance Data: FNDC has an unambiguous and statutory responsibility to record.
2. Operational Data: used to verify that plant and processes are operating as designed, to inform planning and other decision-making, and to optimise over time.

The business case for the adoption of the water monitoring software is in its' final stages.

## WASTEWATER DISCHARGE INCIDENTS AND RESPONSE – MARCH

There were three wastewater discharge incidents during the Month of March which resulted in a discharge amount exceeding 1 cubic metre.

1. 2 March 2021 – 473 Rawene Road, Rawene

The spill source was a gravity system overflow caused by a blockage in the gravity main. The spill was mitigated by dosing lime on the affected area.

2. 2 March 2021 – 284 SH10, Cable Bay







The spill source was a pumping system overflow caused by a blockage in the gravity main. The spill was mitigated by bringing in the sucker truck to clean up the overflow.

3. 57 Pukepoto Drive, Kaitaia

The spill source was a gravity system overflow caused by a blockage in the gravity main. The spill was mitigated by dosing a disinfectant over the affected area.



















### Summary of Abatement Notices







Abatement notices are one of the significant risks identified to Far North District Council (FNDC). FNDC currently has 6 outstanding abatement notices due to non-compliance with resource consent conditions for district infrastructure issued by Northland Regional Council (NRC). Strong and collaborative engagement with Northland Regional Council (NRC) and our Far North Waters Alliance (FNW) partners has been our focus in addressing present non-compliance and other risk profiles within the Three Waters space.

Location	Asset	Asset Type	Non-Compliance	Action Underway
	Mangonui Handrail		<ul style="list-style-type: none"> <li>The abatement notice was issued in May 2018</li> <li>Erection of a safety rail on the Mangonui boardwalk required</li> </ul>	As agreed by Northland Regional Council, 80m of handrail was installed in September 2018 in high-risk area. A Resource Consent issued for boardwalk improvements. Initiations to cancel the existing abatement notice are actioned in early 2021.
	Kaitaia Recovery Centre		<ul style="list-style-type: none"> <li>The abatement notice issued Nov 2018</li> <li>Stormwater runoff from bins at site may contaminate waterway</li> </ul>	The Interceptor / oil separator has been installed. A meeting has been arranged with the Infrastructure Compliance Lead and the Northern Monitoring Officer to arrange an inspection of the separator.
	Opononi WWTP		<ul style="list-style-type: none"> <li>The abatement notice was issued in Apr 2016 due to the plant evidencing non-compliance with the E. coli limits.</li> </ul>	The preferred upgrade strategy which derived from the 'Issues and Options' report was: chemically assisted solids removal, UV disinfection, with an external ammonia removal package, including the maintenance of harbour discharge. This upgrade strategy has supported the resource consent renewal application and has been put forward in the Long-Term Plan.
	Kaitaia WW Network		<ul style="list-style-type: none"> <li>The abatement notice was issued in April 2016 due to unconsented network overflows</li> <li>Unconsented network overflows</li> </ul>	Screens have been installed at the overflow location and programme of work is underway to reduce frequency of overflows. An Action Plan has been created to prioritise the creation of a Leak Detection Plan as a result of the planned zonal monitoring.
	Kerikeri WWTP (application to cancel after 18 December)		<ul style="list-style-type: none"> <li>The abatement notice was issued in July 2020 due to a non-compliance with the wastewater discharge criteria.</li> </ul>	A full update on the WWTP performance and request to withdraw the current abatement notice was given to the NRC Monitoring Officer on 12 March demonstrating continual compliance.



WATER AND WASTEWATER RMA COMPLIANCE REPORT – MARCH 2021

Sites	Asset Group	March Status		Comment
		Compliant	Detail	
Kaitaia		●	Compliant	<ul style="list-style-type: none"> <li>THM levels exceeded &gt;50% of the MAV</li> </ul>
Kaikohe		●	Compliant	<ul style="list-style-type: none"> <li>THM levels exceeded &gt;50% of the MAV</li> </ul>
Kawakawa		●	Compliant	
Kerikeri		●	Compliant	
Okaihau		●	Compliant	
Opononi		●	Compliant	<ul style="list-style-type: none"> <li>THM levels exceeded &gt;50% of the MAV</li> </ul>
Paihia		●	Compliant	<ul style="list-style-type: none"> <li>THM levels exceeded &gt;50% of the MAV in Opuia</li> </ul>
Rawene		●	Compliant	<ul style="list-style-type: none"> <li>THM levels exceeded &gt;50% of the MAV</li> </ul>
		●	Compliant	
Ahipara		●	Condition 10 Condition 2	<ul style="list-style-type: none"> <li>An analysis and recommendation report of the inter stage testing has been commissioned and will be sent to NRC upon completion.</li> </ul>
Hihi		●	Compliant	<ul style="list-style-type: none"> <li>The project to upgrade plant is in its initiation phase.</li> <li>DWF Status: Compliant</li> </ul>
Kaeo		●	Compliant	
Kaikohe		●	Compliant	
Kaitaia		●	Compliant	<ul style="list-style-type: none"> <li>A zonal metering program for Kaitaia has been scheduled for this financial year. This zonal monitoring will identify all catchments where leaks are present. All 7 chambers have been installed and there is a final step with regards to the monitoring system used to complete the install.</li> <li>DWF Status: Compliant</li> </ul>
Kawakawa		●	Compliant	
Kerikeri		●	Compliant	<ul style="list-style-type: none"> <li>DWF Status: Compliant</li> </ul>
Kohukohu		●	Compliant	<ul style="list-style-type: none"> <li>DWF Status: Compliant</li> </ul>
Opononi		●	Condition 19 - TAN, E.Coli	<ul style="list-style-type: none"> <li>Non-compliance with Condition 19. Discussions are underway between FNDC, FNW and NRC regarding short term solution.</li> <li>DWF Status: Compliant</li> </ul>

Sites	Asset Group	March Status		Comment
		Compliant	Detail	
Paihia		●	Condition 9 – NH4 – N Condition 13 - pH	<ul style="list-style-type: none"> <li>A performance and report and long-term solution proposal has been finalised which has now been sent to Far North District Council Asset Management and Project Delivery for approval. Further update will be provided in March's report.</li> <li>In the short term, the planned daily chemical dosing began on 6 November demonstrating compliance.</li> <li>DWF Status: Compliant</li> </ul>
Rawene		●	Compliant	<ul style="list-style-type: none"> <li>DWF Status: Compliant</li> </ul>
Rangiputa		●	Compliant	<ul style="list-style-type: none"> <li>DWF Status: Compliant</li> </ul>
Russell		●	Condition 9 - infiltration efficiency report Condition 8 - land instability report	<ul style="list-style-type: none"> <li>Infiltration efficiency and land stability reports commissioned and will be sent to NRC upon completion.</li> </ul>
Taipa		●	Condition 2	<ul style="list-style-type: none"> <li>Resource Consent issued on 8 March</li> <li>DWF Status: Compliant</li> </ul>
Whatuwhiwhi		●	Condition 8 – Total Suspended Solids	<ul style="list-style-type: none"> <li>To assist in the mitigation of TSS (algae biomass), FNW and FNDC are in discussions with regards to prioritising desludging.</li> <li>DWF Status: Compliant</li> </ul>

1. TAN - Total ammoniacal nitrogen
2. TN – Total nitrogen
3. DO – Dissolved oxygen
4. TSS – Total suspended solids
5. BOD – Biological oxygen demand
6. MAV – Maximum acceptable values
7. THM - Trihalomethanes
8. TP – Total Phosphates



# ASSET MANAGEMENT

Assets need to be planned, created, operated, maintained, renewed and disposed of in accordance with Council's priorities for service delivery for current and future generations.

The following provides an overview of key projects and deliverables the Asset Management Team are working towards. These are being delivered in conjunction with 'business as usual' work such as RFS's, operational matters and minor projects.

## EXECUTIVE SUMMARY

March has seen continuation of the key projects previously noted:

- Finalising the 3 Waters and District Facilities LTP for the consultation period
- Final audit queries for the Combined Asset Management Plan (AMP) for 3 Waters and District Facilities (required for Audit purposes)
- Data migration for the implementation of the new Asset Management System (AMS) - IPS (INFOR)
- Final scopes for the FY20/21 Capital Works Programme and planning for FY21/22
- Asset Condition Assessment programme for FY21/22

The Procurement plan for the FY20/21 3 Waters Condition Assessment Plan was completed and approved. This data will feed into Programme Darwin and work is underway as to how that happens from both storage and usage of data perspectives.

Key: ● Complete ● In progress ● Parked



Stormwater



District Facilities



Wastewater



Water



Roading

Activity	Asset Group	Status				Expected Completion	Comment
		Concept	Plan	Deliver	Handover		
<b>Strategies / Plans / Policies</b>							
Living Asset Management Plan (LAMP)	All	●	●			FY21/23	Due to the delays with the implementation of INFOR a draft of the LAMP has been set back and is not likely to be realised until June 2022. <b>(Please refer to Programme Darwin section for further details).</b>
Combined Asset Management Plan (3 Waters and District Facilities)	All	●	●	●	●	FY20/21	In the absence of a LAMP, and as part of the Long-Term Plan (LTP) process, a combined draft Asset Management Plan for 3 Waters and District Facilities was prepared and provided to Audit <b>(this is required for audit purposes only)</b> . Upon finalisation of the LTP and audit sign-off, the AMP will be made available to EMs and posted on Council's website. This will likely occur in September 2021 (post audit sign-off in August 2021).
Asset Management Strategy	All	●				FY22/23	Being developed based on review being done for the 30 Year Infrastructure Strategy by Infrastructure Planning for the next LTP (FY21/31). The aim is to have a strategy in place by end of June 2023.
Annual Plan (AP)	All	●				FY21/22	Contribute to Annual Plan project, coordinated by Strategic Planning & Policy. Not required again until FY21/22 due to current LTP work in FY20/21.
Long-Term Plan (LTP)	All	●	●	●	●	FY19/20 to FY20/21	Asset Management commenced planning for the FY21/31 LTP in February 2020. The current LTP is being looked at in-depth and future asset planning being considered for the next round. The 2 <sup>nd</sup> round for Auditing the LTP consultation document and processes is w/c 12 April and 17 May 2021 respectively. Full audit sign-off to occur end of June will adoption of LTP to be July 2021.
ISO55000	All	●				FY21	To be investigated. This will align with the current International Infrastructure Management Manual (IIMM) and will need to incorporate the National Metadata standards being developed.
Stormwater Strategy		●	●	●		FY20/21	Underway. A draft strategy is complete, and a way forward is being planned for with likely 'internal' workshops to commence June 2021 followed by 'External' workshops to be undertaken with key stakeholders namely EMs / Iwi / Hapu etc.
Stormwater Catchment Management Plans		●	●	●		Underway	Underway – FY19/20 to FY21/22 (3-year process)
Vesting Assets to Council Policy	All	●				FY22/23	Consulted with Audit, Risk and Finance and a process is to be drafted / process mapped. Other parts of Council i.e. SPP, Legal and Finance will be consulted in due course.
<b>Asset Identification / Condition Assessments</b>							
Prioritised Scheduled Asset Condition Assessments	All	●	●	●		FY21/31	A 10-year programme has been developed which amounts to a total spend of \$9mil over 10 years. A procurement package for the \$1.5 mil spend for this FY (FY20/21) is underway and will be out to market by April 2021. A Project lead for the Asset Condition Programme for the next 3 years (Years 1-3 of the LTP) is being recruited for on a fixed-term contract for 18 months.
Inventory Assessment - DF Assets		●	●	●	●	Ongoing	n/a
<b>Major Project Pipeline – Initiations - Includes planning, feasibility studies, options assessments, business casing etc. before handover to Project Delivery</b>							
Hihi WWTP		●	●	●		FY22/23	Plant upgrade is required. Resource consent being applied for through Infrastructure planning team. The report, with supporting Business Case, was presented to Infrastructure Committee 24 March 2021 for endorsement to Council. Resolution was passed for said. The report, with supporting Business Case and passed resolution, was rescinded at Council meeting on 8 April 2021. New Resolution passed and is being worked through accordingly.
East Coast (Taipa) WWTP		●	●	●		Under Appeal	In 2019 the Taipa WWTP discharge consent decision was appealed to the Environment Court (EC). Two days of EC mediation were held in February with an agreement reached by all parties enabling the appeals to be resolved. The consent documents have been filed with the court and it is expected that the consent order will be issued by the EC in March.
<b>Other</b>							
Asset Management System	All	●	●	●		FY20/23	Full operational use of INFOR ('Go Live') is now expected for December 2021 <b>(please refer to Programme Darwin for full details).</b>
Stormwater modelling requirements		●	●	●		FY20/21 – FY21/22	As per the SW Catchment Management Plan (CMP) strategy, the models for SW will take in excess of 2 years for full implementation updates.

Key: ● Complete ● In progress ● Parked



Stormwater



District Facilities






Wastewater



Water



Roading

Activity	Asset Group	Status				Expected Completion	Comment
		Concept	Plan	Deliver	Handover		
Water modelling requirements		●	●			FY21/24	Funding to update the 3 Waters models and to recruit a project lead for this work, was secured through the 3 Waters DIA funding reform. A 3 Waters Modelling Lead is currently being recruited for on a fixed-term basis for 18 months. Consultants will be engaged to review all FNDCs current models and assess priority and way forward for updating of all FNDC models. This work will assist in establishing a development contributions (DC) policy for FNDC as well.
Wastewater modelling requirements		●	●			FY21/24	As above
Area of Benefit Plan updates – Stormwater		●				FY21	To be investigated
Data Cleanse / Tidy Up	All	●	●	●	●	Underway	A continual process but aim to have it completed prior to Phase 1A implementation of the new AMS (December 2021).

# DISTRICT FACILITIES

Maintain Council parks, reserves, cemeteries, owned community and operated buildings, Housing for the Elderly, public toilets, town maintenance, contracted swimming pools and Solid Waste in accord with policy, strategy and legislation.

## EXECUTIVE SUMMARY

Another busy month for District Facilities staff. A replacement for the Technical Officer position previously held by Zane Wright is yet to be filled although the position has been advertised twice.

Work progresses to ensure the MBIE Flood funding received is spent and work programme completed by 31 May 2021.

Increasing number of illegal dumping issues continue to be received.

The container on Te Tii Point, Waitangi was finally removed after a year of negotiations and meetings.

### **Positive Feedback - March**

*In response to the illegal dumping RFS's, a number of positive responses have been received from customers including:*

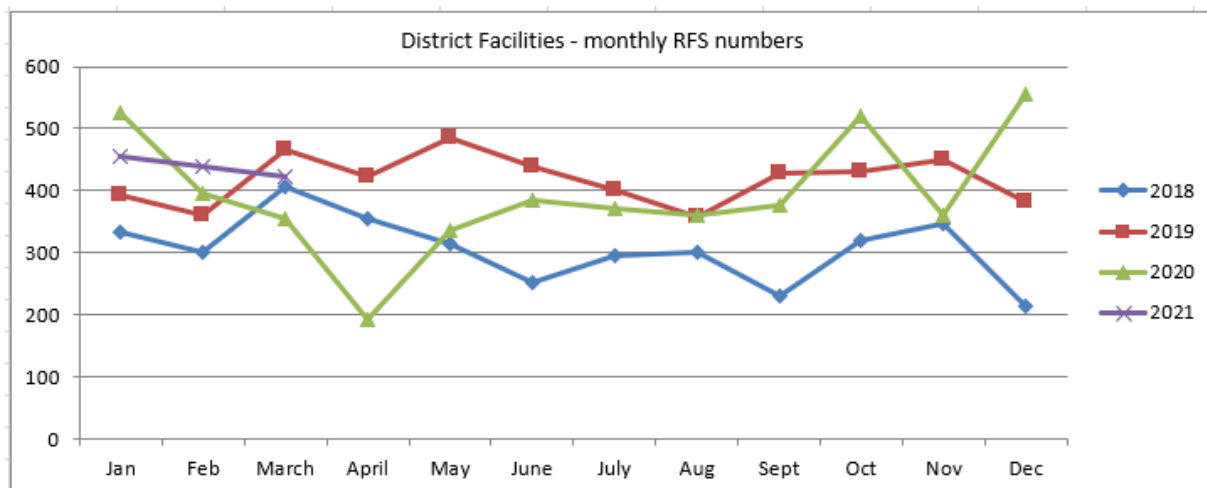
*"very satisfying to have the rubbish picked up quickly" RFS 4044190*

*"your contractors are doing a great job attending of my RFS – thank you" RFS 4045943*

## CUSTOMER EXPERIENCE PROGRAMME

RFS numbers continue to be high for District Facilities. These figures do not include CE or Mayoral RFS's.

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTAL
<b>2018</b>	332	302	406	355	314	251	296	301	231	320	346	214	3688
<b>2019</b>	392	360	466	423	486	440	401	359	428	431	451	381	5081
<b>2020</b>	527	396	355	193	336	385	370	360	377	519	361	555	4734
<b>2021</b>	455	439	422										1316



District Facilities – Monthly RFS numbers

## HEALTH AND SAFETY UPDATES

### Recreational Services

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	April '20	May '20	June '20	July '20	Aug '20	Sept '20	Oct '20	Nov '20	Dec '20
Near Miss	0	0	0	0	0	0	0	0	0	0	1	0
Vehicle / machinery near miss	1	3	0	0	0	3	0	0	3	0		0
Non-serious harm	2	1	1	0	4	1	0	0	0	2	1	0
Serious harm	0	0	0	0	0	0	0	0	0	0		0
Vehicle / Machinery accident	0	1	0	0	0	1	0	0	0	0		0

Non Serious Harm:

Operator was mowing under trees on Halyard Loop Rd. Did not notice a wasp nest on a lower branch and was stung several times in the face

**OCS (Cleaning contractor for Council buildings)**

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	April '21	May '21	June '21	July '21	Aug '21	Sept '21	Oct '21	Nov '21	Dec '21
Near Miss	0	1	0									
Vehicle / machinery near miss	0	0	0									
Non-serious harm	0	0	0									
Serious harm	0	0	0									
Vehicle / Machinery accident	0	0	0									

**Waste Management (Southern RTS)**

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	April '20	May '20	June '20	July '20	Aug '20	Sept '20	Oct '20	Nov '20	Dec '20
Near Miss	0	0	0	0	0	0	0	1	0	0	0	0
Non-serious harm	0	1	0	0	0	0	4	0	0	0	0	0
Serious harm	0	0	0	0	0	0	0	0	0	0	0	0
LTI	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle / Machinery accident	0	0	0	0	0	0	0	0	0	0	0	0

Non-serious harm:

- Staff member swung gate and had fingers on edge for the closure resulting in a contusion

**Northland Waste (Northern RTS)**

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	Apr '20	May '20	June '20	July '20	Aug '20	Sept '20	Oct '20	Nov '20	Dec '20
Near Miss	0	0	0	0	0	0	0	1	0	0	0	0
Non-serious harm	2	1	1	2	1	3	3	0	0	2	1	0
Serious harm	0	0	0	0	0	0	0	0	0	0	0	0
LTI	0	0	1	1	0	0	0	0	0	0	0	0
Vehicle / Machinery accident	1	0	0	0	0	0	0	2	1	0	0	0

Non-serious harm:

- Tsunami Warning, all sites evacuated.

LTI

- Staff member dislocated hip whilst picking up shovel load of litter they had swept up.



**Ventia / Broadspectrum (Russell RTS and landfill)**

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	Apr '20	May '20	June '20	July '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20
Near Miss	0	0	0	0	0	0	0	0	0	0	0	0
Non-serious harm	0	0	0	0	0	0	0	0	0	0	0	0
Serious harm	0	0	0	0	0	0	0	0	0	0	0	0
LTI	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle / Machinery accident	0	0	0	0	0	0	0	0	0	0	0	0

**CBEC Eco Solutions (Waste Education Contract)**

ACCIDENT TYPE	Jan '21	Feb '21	Mar '21	Apr '20	May '20	June '20	July '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20
Near Miss	0	0	0	0	0	0	0	0	0	0	0	0
Non-serious harm	0	0	0	0	0	0	0	0	0	0	0	0
Serious harm	0	0	0	0	0	0	0	0	0	0	0	0
LTI	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle / Machinery accident	0	0	0	0	0	0	0	0	0	0	0	0

**HAPORI AQUATICS (Swimming Pools)**

**Kerikeri Pool**

Accident Type	Oct '20	Nov '20	Dec '20	Jan '21	Feb '21	Mar '21	Apr '21
Near miss	0	0	0	0	0	0	
Non serious harm	0	3	6	1	3	2	
Serious harm	0	0	0	0	0	0	
LTI	0	0	0	0	0	0	
Vehicle / Machinery accident	0	0	0	0	0	0	
Incident only	0	0	0	2	0	2	

Non-serious harm:

- 18/03/2021. Broken glass found on shower floor, cutting one girl's toe.
- 23/03/2021. Boy misjudged back flip on dive board hitting mouth on end of board.

Incident only:

- 25/03/2021. Five year 9 boys banned for rest of season for bad behaviour.
- 24/03/2021. Vomit in main pool, closed early at 5.30pm.

## Kaitaia Pool

Accident Type	Oct '20	Nov '20	Dec '20	Jan '21	Feb '21	Mar'21	Apr '21
Near miss	0	0	3	0	0	0	
Non serious harm	0	0	0	0	0	1	
Serious harm	0	0	0	0	0	0	
LTI	0	0	0	0	0	0	
Vehicle / Machinery accident	0	0	0	0	0	0	
Incident Only	0	0	0	3	1	5	

Non serious harm:

- 19/03/2021. Flood lights not working, got electric shock when resetting fuse. Electrician called to make safe.

Incident only:

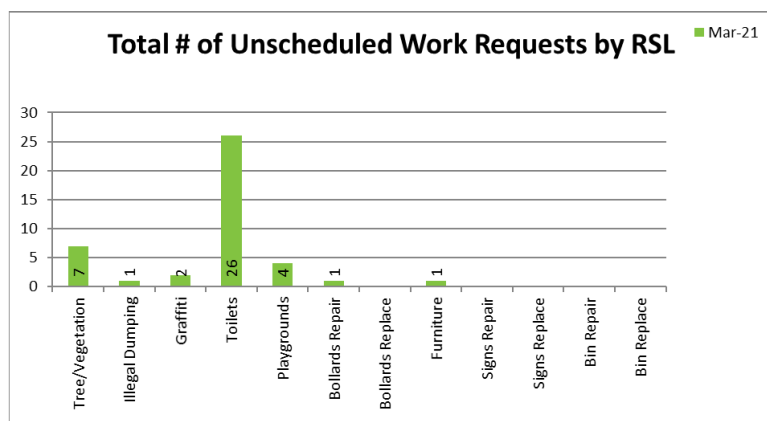
- 03/03/2021. Break-in afterhours. Advised to leave the premises.
- 04/03/2021. Break-in after hours. Advised to leave premises. Same four people as day before.
- 05/03/2021. One male found swimming in dive pool after hours. Needed a wash.
- 06/03/2021. Tourists found in pool complex after hours, left when requested.
- 07/03/2021. Aggressive young man jumped fence just before opening time, called police and he left.

## Kaikohe Pool

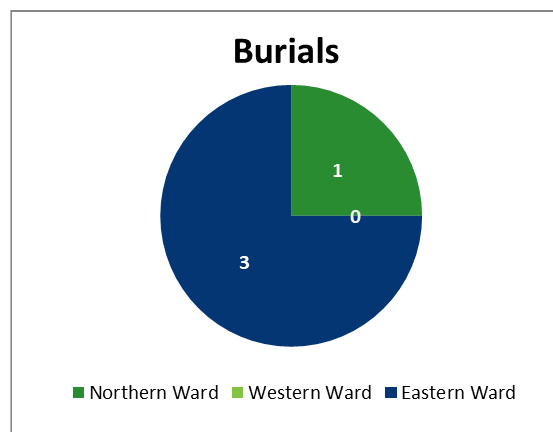
Accident Type	Oct '20	Nov '20	Dec '20	Jan '21	Feb '21	Mar '21	Apr '21
Near miss	NA	0	1	0	0	0	
Non serious harm	NA	1	0	0	0	0	
Serious harm	NA	0	0	0	0	0	
LTI	NA	0	0	0	0	0	
Vehicle / Machinery accident	NA	0	0	0	0	0	
Incident Only	NA	0	0	0	0	0	

No Incidents to report.

## RECREATIONAL SERVICES



Number of unscheduled works requested by RSL



Number of burials at Council public cemeteries

## RSL Audits

2020-21	Jan '21	Feb '21	Mar '21	April '20	May '20	June '20	July '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20
Met	16	8	8	NC	6	4	14	NC	16	10	6	0
Not met	0	1	0	NC	2	1	2	NC	0	2	0	0
Non-performance Notice	0	0	0	NC	0	1	0	0	0	0	0	0

March 2021 AUDIT DETAILS	Met	Not met	Non-performance notice	Not met comments
Reserve mowing	0	0	0	
Edge control	0	0	0	
Playground	0	0	0	
Cemetery	0	0	0	
Toilets	8	1	0	
Litter and Town Maintenance	0	0	0	
<b>CONTRACT AUDIT</b>				
Unscheduled	0	0	0	
Contract	8	0	0	
<b>TOTAL</b>	<b>8</b>	<b>0</b>	<b>0</b>	

Internal audits achieved this month

## PARKS AND RESERVES

### **Cable Bay Reserve, Mangonui**

Signage referred to in the Coroner's report regarding the death of a Mr Renata is finally progressing having been delayed is finally progressing.

## PLAYGROUNDS

A quiet month for playgrounds around the district.

## TREE MANAGEMENT

### **Wildling Pine Removal Program**

Wildling pine removal joint initiative with FNDC, NRC & DOC is ongoing across the District e.g.:

- Ramp Rd, Karikari - scheduled to start on or around 8 June in the reserve behind the public toilets
- Russell and Bay of Islands – a scoped is currently being prepared by NRC in conjunction with Council identifying pines that should be removed on Council owned land
- Henderson Bay - this project has had to be delayed to April

### **Redwoods, Kerikeri**

The annual arborists report has been received and prepared for a report up to Council in April.

### **Morton Bay fig, Russell**

The report has now been received from Arborlab which has assessed that, using the Quantified Tree Risk Assessment (QTRA) framework, the most likely failure event within the identified risk analysis timeframe, has an Annual Risk of Harm (ARoH) of 'Broadly Acceptable'

## CEMETERIES

Preparation underway to ensure the cemeteries are ready for ANZAC day.

## PUBLIC TOILETS

### **Klinac Lane, Waipapa**

An on-going issue with the RCG's (Body Corporate) sewerage treatment plant servicing these public toilets has been resolved. RCG have been approached regarding reimbursement of the costs associated with their abatement notice issues, incurred by FNDC, which are estimated to have been in the vicinity of around \$15,000.

### **Stone Store Public Toilets, Kororipo Pa Walkway - Kerikeri**

Although these toilets are owned by DOC, they are maintained through the FNDC town maintenance contract. There are currently issues with the macerating pumps within the pump station largely due to the continued flushing of "wipes" down the toilets. These should never be flushed and a particular problem on systems with macerating pumps. Options are being considered with the asset owners (Doc) on how to manage this issue which may include upgrading the existing pumps or changing to an alternate type system.

All public toilets continue to display COVID QR codes.

## ENCROACHMENTS

### Te Hue Bay, Russell

A boat located on the beach frontage that also forms part of the on-going encroachment issue had been requested to be removed by the end of the February. A site visit undertaken early March highlighted the level of deterioration to the existing boat trailer and the extent of works required to be able to re-launch the vessel. Due to this and the continuing issues with COVID lockdowns/level changes an extension until the end of April was agreed to onsite.



*Extent of repairs required to the boat trailer prior to re-launching – Te Hue Bay*

### Korora Park, Ahipara

A concern has been raised and an area of encroachment into the upper area of Korora Park has been identified and has yet to be furthered. This will need to be considered as part of the Korora Park development plans as well.

### Te Tii Point, Waitangi



The illegally placed container including deck was finally removed without any issue, however leading up to this there was a lone occupier on the reserve. This person is of interest to the Police and was eventually moved on.

## 2020/21 MBIE RESPONSIBLE CAMPING FUND

In March, the Kaitiaki Rangers had a get together to celebrate the success of the 2020/21 Summer season and share their stories and lessons. In attendance was Sue Elliott who has been engaged to carry out a Responsible / Freedom Camping strategy. Sue was very complimentary of the people, programme and the way in which the agencies (FNDC, DOC and NRC) worked together with the local communities to make this happen.

2020/21 MBIE FLOOD FUND

All physical works MUST be completed by 31 May 2021. As such, an update on the projects District Facilities are managing is as follows:

Ward	Location	Description	End of March update
North	Kaka Street Ramp	Issues with flooding from both landside and coast, made worse during times of storms etc. Discussions are needed with Roading as well. Key issue with this is the river keeps a changing direction during storms and can either be relocated immediately in front of the entrance from the road to the beach or move away making the beach accessible from the road. Ideally, funding is used to tidy up what needs tidying up and a gate installed that can be opened and closed as needed with appropriate signage saying CLOSED etc.	Work to commence towards the end of April.
North	Puckey Ave Pensioner Village	As a result of recent flooding, the once chip sealed driveway has deteriorated and needs to be resealed and lifted in areas where there are low lying flooding issues.	<p><b>COMPLETED 18 March 2021</b></p> <p>Before                      After</p> 
North	Ahipara - foreshore road near toilets	Flooding / storms have deteriorated a number of rock walls, culverts and the like along Foreshore Road, Ahipara. Needs further investigation into the specific sites and a plan to remedy as needed to reinstate in time for the Summer season.	Archaeological assessment completed and report received. PO issued to RSL and scheduled to start mid-April to fit between tides as required.
North	Kaitaia Cemetery	Repairs to internal road that has deteriorated considerably as a result of the rainfall and stormwater flooding occurring in this area	<p><b>COMPLETED 18 March 2021</b></p> <p>Before                      After</p> 
North	Hihi Beach	Removal of trees that came down on the Hihi coastline during the last storm	Initial clearing of fallen trees, tidy up and 1st round of spraying completed. Second round of spraying almost ready to start and then planting and Mulching to be done.
East	Kaeo car park	Floods out which then washes the gravel away and leaves potholes and water that sits in the car park until the area dries out although the stream is nearby. Flooding from the car park also impacts on neighbouring properties including the adjacent Church. Recommend SW solutions, form and seal the car park.	Waiting on work to start - April
East	Te Wahapu -	Major bridge drive walkway - major cutting out & scouring of the step section of track down to the reserve	Work started on clearing the track – cutting the sides out to widen back to original width and allow water run-off.
East	Seaview lookout Paihia	Track surface has been washed out /drainage needs improving	Side drains dug, new PVC culverts installed, track metalled, shaped and compacted. Not completed as we still have signage, vegetation work, seat replacements etc.
East	Kawakawa bowling club access	Driveway has been affected by surface water and in places washed out, need to be properly sealed and SW measures in place to help it cope with future flooding events	Awaiting start date confirmation.

Ward	Location	Description	End of March update
East	Opuia-Paihia walkways	Investigate and remedy areas of the coastal walks that need repair	Works started on initial stages of clearing required.
East	Jacks Bay walking track	Coastal erosion issues	This is largely complete on the Jacks Bay Road end with the track clearer, steps installed and backfilled.
East	Paihia Beach	Beach needs to be cleaned up after recent storms. Need to also repair SW issues that are impacting	Ramp to beach has been built and will be hi-ab'd into place. Concrete staircase has been removed and work has started on the base for the washed-out sections bringing in rocks and placing them.
East	Pah Road, Kerikeri	End of cul-de-sac road not properly formed, and flooding causes the end of the road to become flooded creating potholes and washout of the gravel etc. Needs to be properly formed with stormwater drainage etc.	Start dated to be confirmed.
East	Wharau Road, Kerikeri	Boat ramp and surround - needs repairing as a result of flooding and SW issues	Start dated to be confirmed.
East	Moerewa Illegal dumping clean-up	Section located between Otiria Rd & Ranfurly St. Full clean-up of site - since the flood we have seen an increase in dumping's in this section	Initial levels of asbestos have been scoped and contractor meeting to be scheduled to conclude final decontamination works as required prior to final assessment.
East	Kaeo Service Centre	Flooding / SW issues from the rear of the service centre coming from the hill behind that rushes down and around the building but also brings down silt onto the footpath etc.	Delivery of tank has been delayed, drainlayer waiting on the arrival of a new piece of equipment he has ordered.
East	Totara North Community Recycling Centre	Re-metalling of area washed away in storm	<b>COMPLETED</b>
West	Omapere and Opononi foreshore	Flooding / storms have deteriorated a number of rock walls, culverts and the like along the Omapere and Opononi foreshore. Needs further investigation into the specific sites and a plan to remedy as needed to reinstate in time for the Summer season.	Fencing at Omapere Freese park finished – other sections of fence started with posts rammed awaiting rails
East	Moerewa Community Recycling Centre	Re-metalling of area washed away in storm (work already completed)	<b>COMPLETED</b>
North	Ahipara Refuse Transfer Station	Re-metalling of area washed away in storm	<b>COMPLETED</b>
West	Pawarenga Community Recycling Centre	Re-metalling of area washed away in storm	<b>COMPLETED</b>

## STORM CLEAN-UP PROJECTS

We are working on a number of storm clean-ups with funds from the Ministry of Business, Innovation and Employment (MBIE). Here is a brief update of some of those projects, led by our District Facilities team.

### Ti Beach Clean – Paihia

What a difference a clean-up can make. A number of community groups took part in a beach clean-up after recent storms while we, along with Recreation Services, removed debris and rubbish from the foreshore. Additional work, as part of our flood funding, includes repairing erosion around a culvert outlet and pedestrian access to the beach below the playground. We also have plans to remove a broken section of old stairs.

### Ōmapere, Opononi foreshore

Semi-permanent fencing is being erected along Freese Park and Lucy Baxter Reserve to protect the public following storm damage to the Ōmapere and Opononi foreshore. Work is planned to stop unauthorised vehicles accessing the beach.



### Ahipara, Foreshore Road

Work to reduce ongoing erosion near the public toilets on Foreshore Road is earmarked to start in mid-April. Rock walls and culverts in the popular holiday spot have been damaged by flooding and storms.



### Seaview Lookout, Paihia

Big strides have been taken to repair the track to the Seaview Lookout which had been washed out, as well as tackling drainage problems. Sidedrains have been dug, new PVC culverts installed, and the track has been metalled, shaped and compacted. The next phase of the project will be to repair or replace a park bench and picnic table.



### Opua-Paihia Walkways

Plans to repair areas of the Opua-Paihia coastal walks are due to start soon. The first phase will be to scope tree works before repairs to the tracks can begin.

### Illegal dumping, Moerewa

Illegal dumping on a section between Otiria Road and Ranfurly Street has increased since the July 2020 flooding. We are now waiting for further details on the extent of any asbestos contamination.

A site meeting was held on 26 March with Hazard Management assessing the damage.

## SOLID WASTE

### Waitangi Community Recycling Centre

The TB3 Trust has signed a lease that enables the establishment of a community recycling centre on the Trust's land in Waitangi. Waste Management has signed a contract variation covering the rates to operate the site. The proposal is with Council management awaiting the final approval.



## Horeke Community recycling centre

There have been ongoing issues with illegal dumping at this site largely due to its isolated location. The recycling centre is away from houses so people can dump without fear of being observed. Solid waste staff attended a community meeting at the Horeke hall to discuss the issue. No concrete solutions were reached but it was acknowledged that the problem originated from within the community and the solutions would come from the community.

## Ministry for the Environment Waste Levy Audit

MFE has been up twice to audit our waste levy requirements. The first was to check that our waste levy spend was compliant. The other was to audit the trail to our waste levy payments for the Russell Landfill. The auditors were satisfied with procedures for both and formal reports will follow.

## Russell landfill tender

The tender was put on GETS on March 17<sup>th</sup>. The site visit on March 26<sup>th</sup> attracted 4 potential tenders and one drop in from a local community group. The tender closes on April 14<sup>th</sup>.

## ECOSOLUTIONS WASTE MINIMISATION EDUCATION – MARCH NEWSLETTER

### Events

**Taipa Beach Seaweek Event:** 200 kids, 8 workshops supported by NRC and Community groups. The tamariki were engaged in a variety of educational workshops and a beach clean-up!

**Children's day Kaitaia:** We coordinated bins, and provided educational resources at the event, we also removed compostable packaging and ensuring a high rate of diversion from landfill with one bin of rubbish compared to three wheelie bins of recycle and ½ a bin of compost.



**Clean up Events:Rawene Turn off clean up event:** Coordinated with Hokianga kaitiaki groups, two educators ran the clean-up, and chronicled their results online.

**Schools:** with 25 classes and 30 hours of school support EcoSolutions were busy in the schools. Including actions such as clean ups, sorting recycling stations, upgrading signage, checking in on worm farms and composts, learning about plastics in the oceans our tamariki were active on the whenua this month. The staff were also supported with the lunches in schools continuing to provide challenges to school staff in sorting and disposing of compostable waste. A Carbon Cycle compost bin was installed in Oturu school, we encourage the staff not to use this for compostable packaging, but to use it to create nutritional compost from food scraps for their gardens instead.



**Business Visits:** We presented Bells with reuse options and support to provide a zero waste alternative to lunches in schools, co-ordinating provision of a compost collection service for a wheelie bin of food waste a day.

### Community

**Tie Dye workshop:** Taking clothes destined for landfill repairing them, upcycling and tie dying them.

**Bonnets Rd Church Sustainability Day:** Three educators presented; composting/seed raising/building mobile pallet gardens, the participants were enthusiastic about renewing interest in gardens and composting in the community.

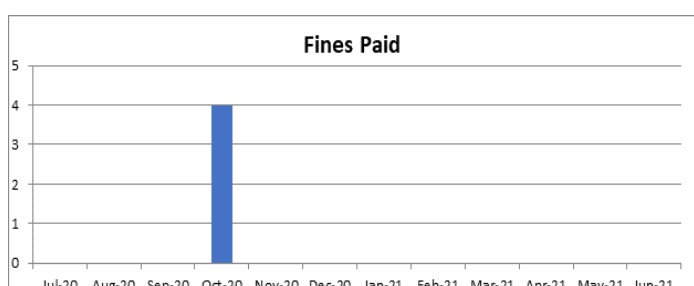
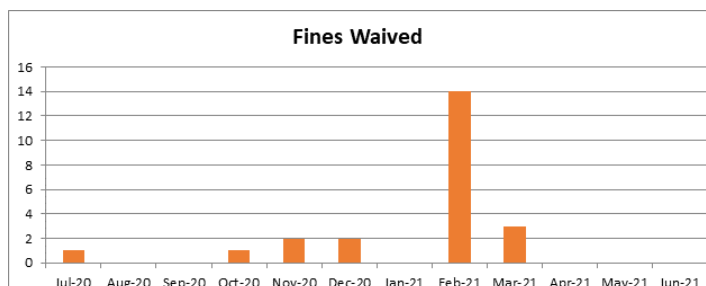
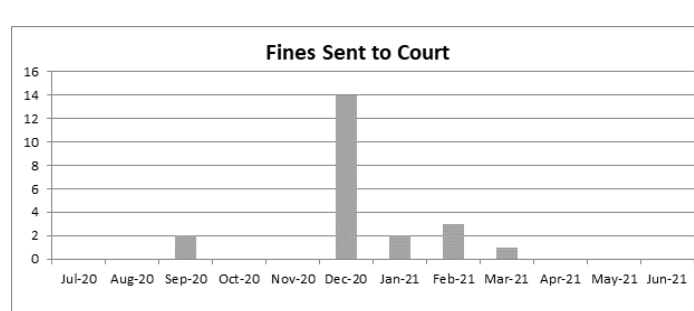
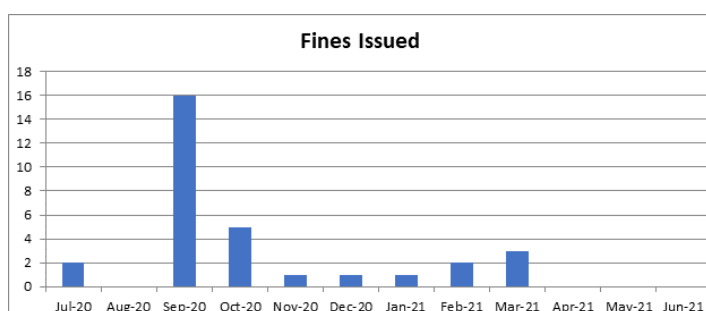


**External to the contract:** EcoSolutions has commenced preparation for the Community Compost Connection with receipt of the WMF contract, and will be seeking investment from councils and community groups in Northland; as there is a need for 20% investment from stakeholders the project will focus on areas that co-invest in the project, which will teach 1200 household to compost and install 12 community compost collection hubs in the next three years.

**Online content:** For online information on EcoSolutions activities and posts please check out:

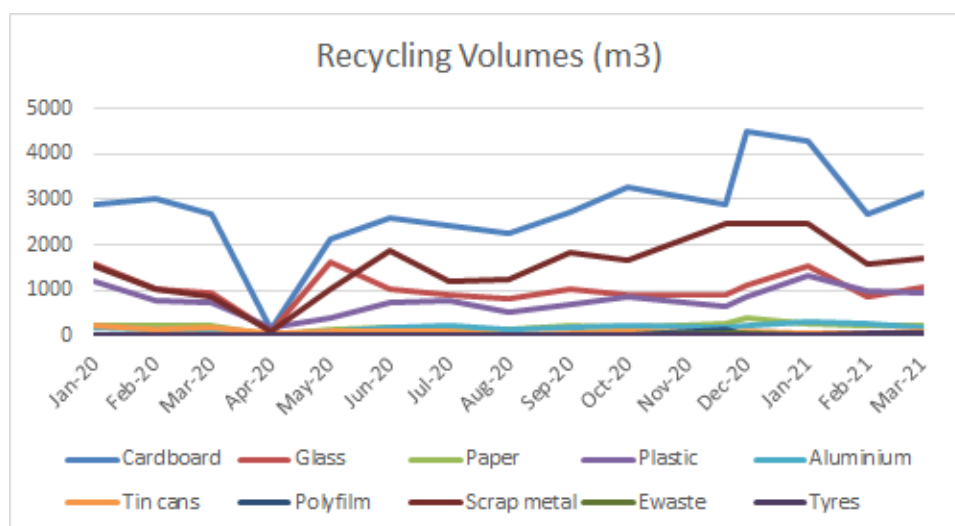
### LITTER INFRINGEMENT ACTION

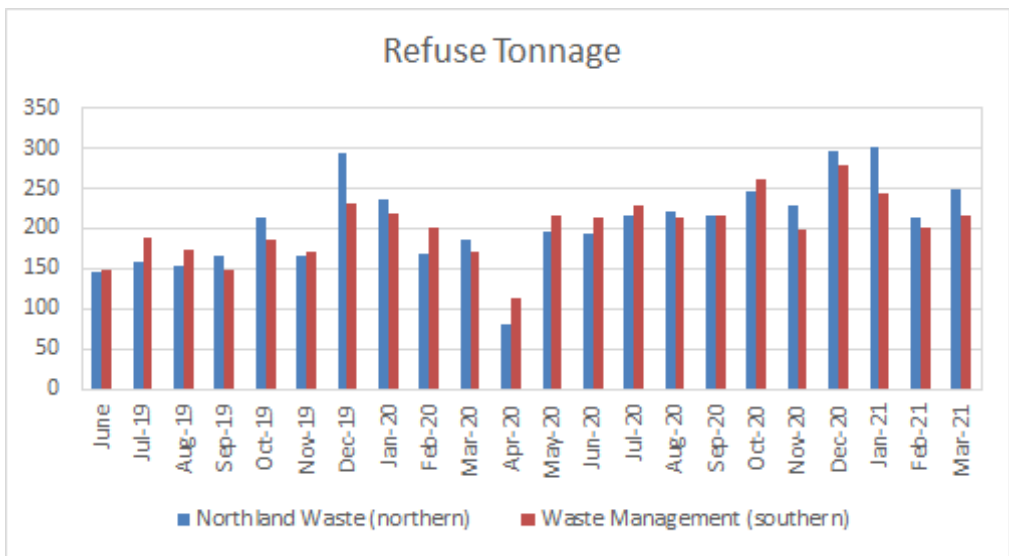
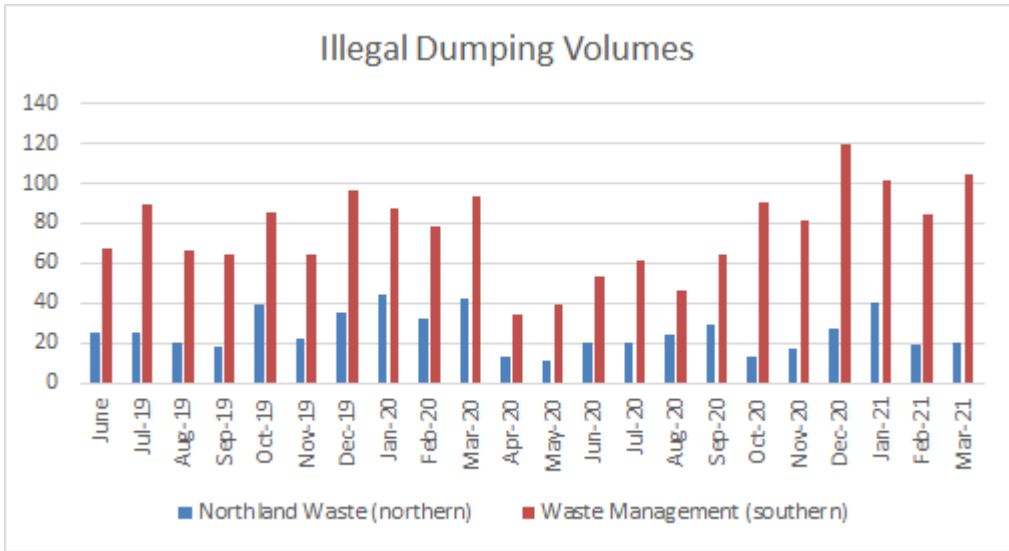
Offence Date	Offence Type	Status	Balance	Location Details	Month
20/10/2020	Deposited litter in/on a public place \$250 20-120L	Completed (receipting)	\$250	On Street: Church Road, Kaingaroa	Mar 21
4/11/2020	Deposited litter in/on a public place \$250 20-120L	First Notice	\$250	On Street: Kaitaia-Awaroa Road, Herekino. LOCATION: Herekino Transfer Station, Mangonui	Mar 21
4/11/2020	Deposited litter in/on a public place \$250 20-120L	First Notice	\$250	On Street: Iwitaua Road, Mangamuka LOCATION: SH1 Intersection	Mar 21



On-going discussions are being had with monitoring and compliance as the figures presented continue to be a small portion of the amount of illegal dumping material presented for investigation and issuing of fines.

### SOLID WASTE STATS





## SWIMMING POOLS



*Kaitaia Pool*

After a successful summer period the three seasonal pools will close for winter on 05 April 2021 and a winterisation and maintenance program will be put into place.

Hapori have agreed to cancel the \$6900.00 COVID-19 invoice which has been in dispute for several months.

### **Kerikeri Pool**

Leaks have been detected in the Kerikeri Pool and Hapori are investigating its source. It is believed to be related to the dive pool but once the pools have closed investigations can begin properly. Hapori aquatics are arranging for a couple of external contractors to inspect the pool and hopefully determine a way forward. The pool is due to be painted as part of its long-term maintenance which will help with reducing water loss.

#### Outstanding maintenance

- Power socket not working on fence at end of main pool – required for vacuuming pool – deemed unsafe
- Roller door to chemical shed requires new door

### **Kaikohe Pool**

A leak continues at the Kaikohe Pool - both within the pool structure and also to the waste valve. The check meter has been installed and it has been determined that the leaks amount to approximately 11m<sup>3</sup> per day. As the pool is ageing and repairs will be required more frequently, decisions need to be made about the on-going operation and associated costs. At the beginning of the season it was decided to take a short-term approach to the pool maintenance as the future of the pool is unknown.

It was noted that there was space allocated for a pool facility as part of the proposed Lindvart Park development plan.

An agreement is being progressed by the Council and Northland College which provide a clearer division of maintenance responsibilities between the two parties.

#### Maintenance work carried out:

- Flood light installed on toilet block to illuminate the shallow end of pool.
- Toilet blockage cleared.

#### Outstanding Maintenance

- Valve on waste pipe not fully shutting. This can be taken away for repair when the pool is closed.
- Flood light installed on toilet block to illuminate the shallow end of pool.
- Toilet blockage cleared.

### **Kaitaia Pool**

Security remains an issue at the site because of its isolated position. There have been several break-ins where valuables have been taken but one of the main issues of concern is youths swimming unattended at night and the safety risk it poses. Locks have been replaced and repairs have been made to the alarm system. Additional security options being considered include additional patrols or a remotely monitored security camera. A remote video link to the police station was costed and has proved to be very expensive.

#### Maintenance works carried out this month

- The chlorine pump failed and was beyond repair. It has been substituted with a loan pump, awaiting the arrival of a permanent replacement.
- Flood lights not working, electrician made safe and has one of eight working.
- Shower heads reinstalled; anti-theft heads installed in boys.

## Attendance Numbers

### KAITAIA SWIMMING POOL

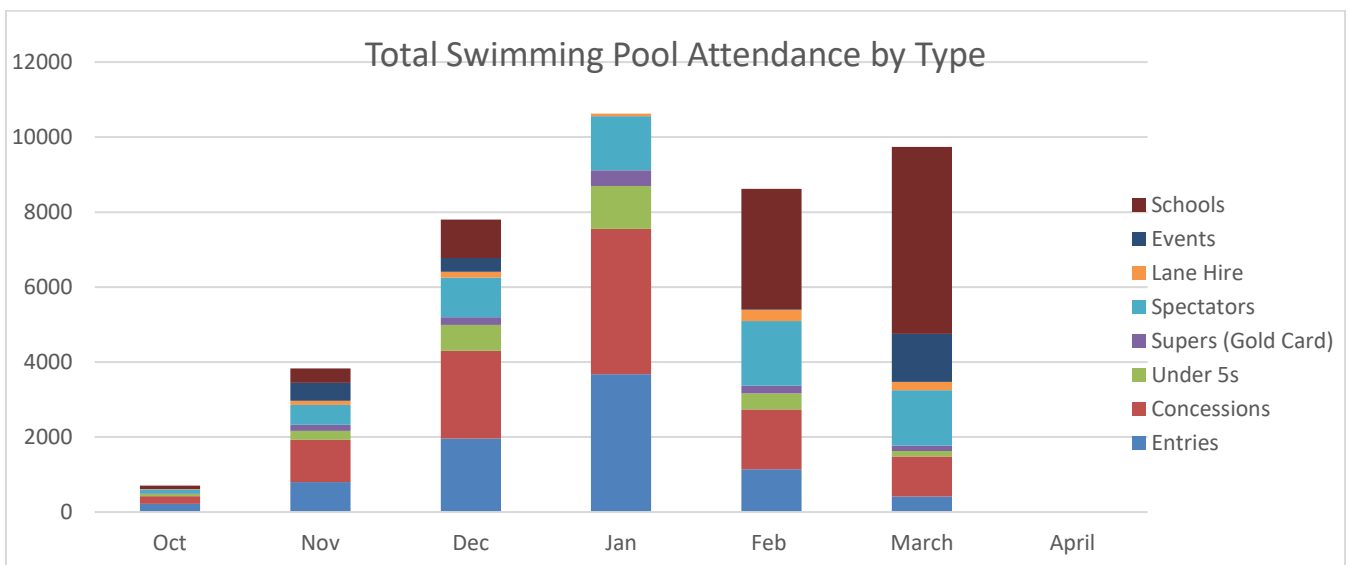
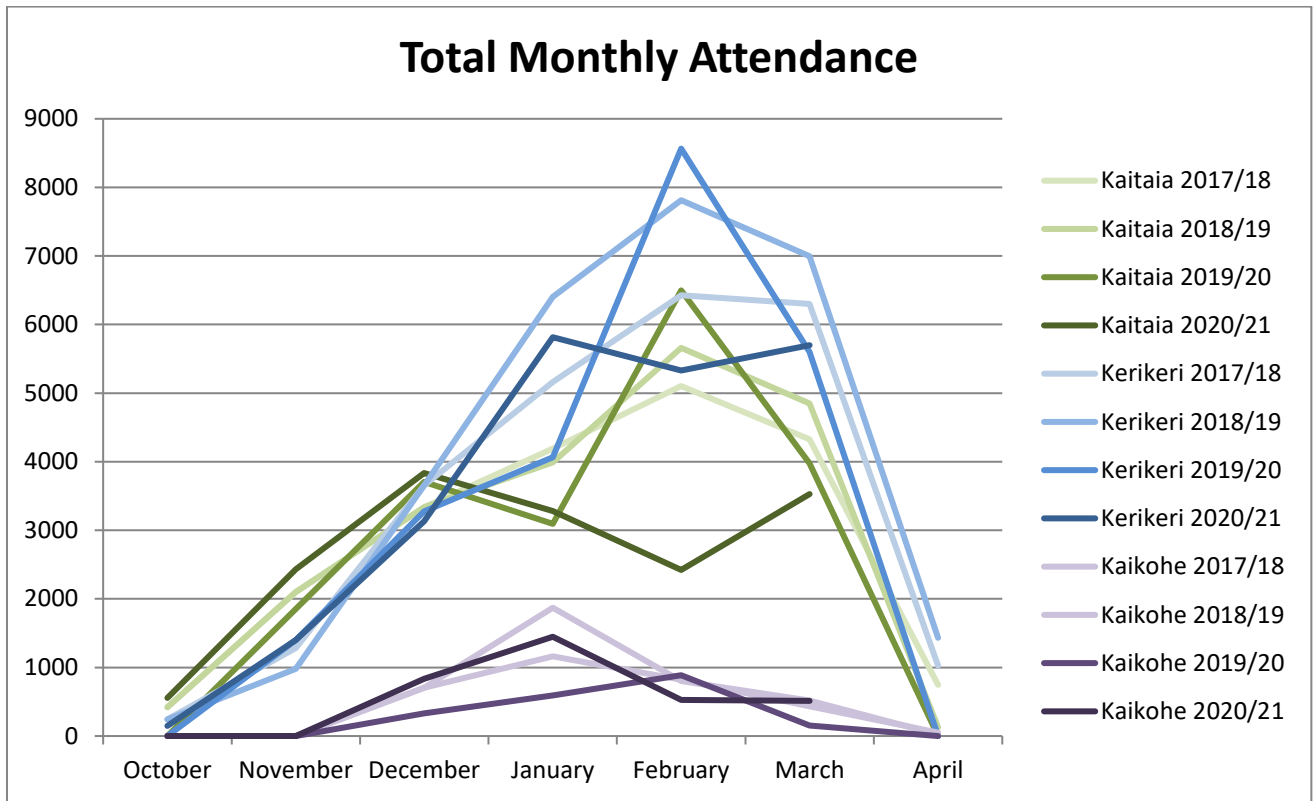
	Oct	Nov	Dec	Jan	Feb	March	April
Entries	182	577	787	1404	456	165	
Concessions	144	541	845	984	371	339	
Under 5s	48	169	340	383	153	60	
Supers (Gold Card)	1	58	51	83	27	48	
Spectators	80	196	421	502	229	158	
Lane Hire	8	26	0	10	3	51	
Events		482	362	0	0	1287	
Schools	93	381	1029	0	1204	1418	
<b>Total</b>	<b>556</b>	<b>2430</b>	<b>3835</b>	<b>3283</b>	<b>2420</b>	<b>3526</b>	

### KERIKERI SWIMMING POOL

	Oct	Nov	Dec	Jan	Feb	March	April
Entries	36	221	865	1696	581	191	
Concessions	62	587	1206	2362	953	403	
Under 5s	10	71	234	599	225	55	
Supers (Gold Card)	13	106	133	312	164	88	
Spectators	27	329	535	784	1421	1229	
Lane Hire		85	160	62	296	169	
Events			0	0	0	0	
Schools			0	0	2004	3564	
<b>Total</b>	<b>148</b>	<b>1399</b>	<b>3133</b>	<b>5815</b>	<b>5331</b>	<b>5699</b>	

### KAIKOHE SWIMMING POOL

	Oct	Nov	Dec	Jan	Feb	March	April
Entries			310	572	104	59	
Concessions			290	537	270	326	
Under 5s			116	159	53	30	
Supers (Gold Card)			18	25	15	4	
Spectators			99	155	68	93	
Lane Hire			0	0	1	0	
Events			0	0	22	0	
Schools			0	0	0	0	
<b>Total</b>			<b>833</b>	<b>1448</b>	<b>527</b>	<b>512</b>	



**POOL REVENUE (exclusive of GST)**

**KAITAIA SWIMMING POOL – Income**

Month	Oct	Nov	Dec	Jan '21	Feb	March	April
Gate	\$347.82	\$3,272.00	\$4,451.00	\$6,142.59	\$1,885.22	\$760.87	
Pool Hire	\$330.00	\$3,725.00	\$4,545.00		\$4,301.09	\$6,459.78	
Shop	\$18.20	\$205.60	\$319.00	\$386.52	\$132.17	\$62.61	
<b>TOTAL</b>	<b>\$696.02</b>	<b>\$7,202.60</b>	<b>\$9,315.00</b>	<b>\$6,529.11</b>	<b>\$6,318.48</b>	<b>\$7,283.26</b>	

**KERIKERI SWIMMING POOL – income**

Month	Oct	Nov	Dec	Jan '21	Feb	March	April
Gate	\$268.00	\$2,323.00	\$5,575.00	\$8,598.26	\$3,028.70	\$950.43	
Pool Hire		\$622.50	\$963.75	\$135.00	\$3,795.65	\$5,830.43	
Shop		\$54.00	\$83.00	\$137.00	\$23.47	\$18.26	
<b>TOTAL</b>		\$2,999.50	\$6,621.75	\$8,870.26	\$6,847.82	\$6,799.12	

**KAIKOHE SWIMMING POOL - income**

Month	Oct	Nov	Dec	Jan '21	Feb	March	April
Gate			1,517.00	2,376.00	862.61	345.22	
Pool Hire					147.83	0.00	
Shop			12.00	18.26	7.83	0.00	
<b>TOTAL</b>			1,529.00	2,394.77	1,010.44	\$345.22	

**TOTAL SWIMMING POOL INCOME**

Month	Oct	Nov	Dec	Jan '21	Feb	March	April
<b>TOTAL</b>	696.02	10,202.10	17,465.75	17,794.14	14,176.74	14,427.60	

**COMMUNITY / COUNCIL FACILITIES**
**OCS Audits**

LOCATION	Nov '20	Dec '20	Jan '21	Feb '21	March '21	April '21	May '21	June '21	July '21	Comment
Kaikohe Headquarters - Lockwood	96.7	96.9	97.4	97.4	96.1					
Kaikohe Headquarters – Annex and upstairs	96.7	96.9	97.3	96.8	95.1					
Kaikohe Headquarters – Publications	96.7	96.9	92.1	97.5	97.1					
John Butler Centre – Level 2	97.6	97.6	97.5	98.1	97.2					
John Butler Centre – Level 1	98.2	97.6	98.2	98.2	97.2					
John Butler Centre – Ground floor	97.3	97.5	98.1	98.0	97.47					
Rawene Service Centre	3/M	NA	NA	97.6	NA					
Kaero Service Centre and Library	3/M	NA	98.2	97.4	NA					



LOCATION	Nov '20	Dec '20	Jan '21	Feb '21	March '21	April '21	May '21	June '21	July '21	Comment
Procter Library	96.6	97.4	97.3	96.1	96.0					
Paihia Library	96.3	96.5	96.4	97.0	NA					
Kaikohe Library	3/M	91.9	94.3	91.9	97.1					
Bay of Islands Information Centre	96.9	97.4	95.9	NA	NA					3-monthly
Hokianga Information Centre	3/M	98.0	NA	97.8	97.8					

### FNDC HEADQUARTERS, KAIKOHE

Two possums have been captured in the CE/Chambers ceiling area in the past month.



## HOUSING FOR THE ELDERLY

Council own and maintain 147 Housing for the Elderly Units at 12 locations within the district. Unit information is as follows:

		Jan-21	Feb-21	Mar-21	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
<b># units vacated (received for refurbishing)</b>				3	1	3	1	0	1	2	2	0	0
	Northern:			Oxford St, Puckey Ave		Awanui, Oxford Street	Awanui		Puckey		Kohukohu		
	Western:			Kaikohe		Rawene				Kaikohe, Rawene	Omapere		
	Eastern:												
<b># unit refurbishments progressing</b>		7	8	8	4	4	7	7	6	7	6	8	8
	Northern:	Awanui (2), Oxford St	Awanui (2), Oxford St	Awanui (2), Oxford St			Awanui, Oxford St	Awanui (2), Oxford St	Awanui (2), Oxford St	Awanui (2), Oxford St, Puckey	Awanui (2), Oxford St, Puckey	Awanui (2), Oxford St, Kohukohu	Awanui (2), Oxford St, Kohukohu
	Western:	Rawene, Kaikohe (2), Omapere	Waima, Rawene, Kaikohe (2), Omapere	Waima, Rawene, Kaikohe (2), Omapere	Waima, Kaikohe (2)	Waima, Kaikohe (2)	Kaikohe, Rawene, Waima	Kaikohe (2), Rawene	Kaikohe (2)	Kaikohe (3)	Rawene, Kaikohe	Rawene, Kaikohe, Omapere	Rawene, Kaikohe (2), Omapere
	Eastern:				Kawakawa	Kawakawa	Kawakawa	Kawakawa	Kawakawa				
<b># units completed (returned for tenanting)</b>		0	1	1	0	0	0	1	1	1	3	0	0
	Northern:			Ahipara							Puckey		
	Western:		Kohukohu					Waima	Rawene		Kaikohe (2)		
	Eastern:									Kawakawa			

LEASES / AGREEMENTS

1-Apr	To do / on hold	Applicant	District Facilities	Legalisation Services	Negotiating	Ready for signing	Completed this month
Western			Opononi Statue Agreement	<b>JAN '20:</b> Opononi Bowling Club Lease (new)	<b>JAN '21:</b> RAD Lease - contact had and areas that need addressing to be progressed		
			<b>JAN '21</b> Northland College - Swimming Pool MOU (renew) progressing	<b>JAN '20:</b> Hokianga Coastguard Lease (new)	<b>JAN '21</b> Rawene Campus Lease with Te Puna o Kupenuku		
				<b>JAN '20:</b> Hokianga Treks			
Eastern	Kerikeri College - Swimming Pool MOU (review)		<b>OCT '20</b> Cherry Park House - discussions underway to consider future structure of management committees (involves SP&P)	<b>OCT '20:</b> Rolands Wood - signed agreement received from FORWT. Matter will proceed to the High Court to change over the Trust Deed.	<b>ONGOING:</b> Walls Bay (Doug Smuck)	<b>JAN '21:</b> Whangaroa public toilet water supply agreement with the marina being negotiated.	
	<b>NOV '20:</b> Te Hue Bay Agreement to permit a picnic area and slipway to remain in place for use by the public. On hold until the new year.	<b>FEB '21:</b> Russell Tennis Club - contacted by Club - discussing need for a formal arrangement	<b>AUG '19:</b> Kawakawa Memorial Library Hall Lease (renewal?)	<b>FEB '21:</b> Kerikeri Croquet Club - request to renew lease		<b>Feb'21</b> Vision Kerikeri. Volunteer agreement signed by Vision Kerikeri. Awaiting signature by Council	
	<b>NOV '20:</b> Waipapa public toilet agreement (on hold)			<b>ONGOING:</b> Kerikeri Sports Complex Lease (Hold)			
	<b>NOV '20:</b> Paihia Village Green Market: on hold due to the impact of COVID and no cruise ship visits.			Investigation: * Tauranga Bay - water easement Agreement (new due to expiry)			
	<b>NOV '20</b> Cherry Park House - discussions underway with EM's and staff to look at a future structure of management committees			<b>MAR '21:</b> Russell Sports Trust Lease (renewal) New Contact			
	<b>FEB '20:</b> Look at extending land lease of Recreational Vehicle Effluent Dump Station from Licensor Melia Investment Ltd. Expires 30/06/2021			<b>MAR '21</b> Russell St Johns & Medical centre - looking for location for garage.			
			<b>MAR '21</b> Russell Hall and Toilets. Work in progress to establish power supply and water responsibilities				
Northern	<b>DEC '20:</b> Te Hiku Sports Hub land lease	<b>JAN '20:</b> Hihi Community Centre Lease (new)	<b>ON HOLD (June):</b> Kaitaia Saturday Market Agreement (on hold)	<b>JAN '20:</b> St Johns Ambulance Ahipara Lease (renewal)	<b>DEC '20:</b> FENZ Karikari 28 Maitai Bay Road (Ena)	<b>FEB '21:</b> APRI - Unahi Wharf Agreement: a few more adjustments needed	
	<b>DEC '20:</b> Mangonui Netball Club. Request to issue a new lease received however relates to the Te Hiku Sports Hub development (meeting to be held)		<b>JAN '20:</b> Te Kao - public toilet Agreement (new)	<b>JAN '20:</b> Te Kohanga Reo o Houhora Lease (new)	<b>JAN '21:</b> Waiotaraire Reserve - public toilet water supply agreement is progressing		
			<b>Feb '21:</b> Te Rarawa Rugby lease (new) - Kay M	<b>FEB '20:</b> Tumanako o Kaitaia Kohanga Reo Trust (new)	<b>FEB '21:</b> Kaitaia Plunket Lease - negotiations around removal of old buildings before lease can be terminated		
				<b>March '21:</b> Omaitai Waka Ama Club. Start to look at extending temporary use of Taipa point			
Other	Far North Holdings - property agreement SP&P to do: * Paihia Village Green Management Plan			<b>JAN '20:</b> Hihi Community Centre Lease (new)			

# PROVINCIAL GROWTH FUND (PGF) ROADING

## EXECUTIVE SUMMARY

In August of 2020 MBIE granted \$20.7 million to undertake works on three strategic roads in the Far North District. The projects are split in two, with Peria Road and Ngapipito Road combined into one package (Priority 1 Roads) and Ruapekapeka Road being the other. Planning commenced immediately, with early site investigation and testing setting the projects up for the best outcomes from the start.

All three projects will be delivered with a staged programme; design for initial stages will allow earlier construction, with design of subsequent sections continuing concurrently. Early enabling works have set the project teams up well to achieve construction deadlines.

Two of five sections have been sealed on Peria road, with the third one imminent. The other sections are at various stages of construction, including rock wall construction and drainage.

Both Ruapekapeka and Ngapipito Roads experienced delays in commencing physical works prior to Christmas, but they are now well underway with earthworks and drainage complete on Ruapekapeka Road (stage 1), and clearing is underway on Ngapipito Road.

## SUMMARY – MARCH

### **Priority 1 Routes**

#### **Peria Road**

Peria Road is a 6.3km seal extension and associated works. It is being delivered through the existing NTA North Area Road Maintenance Contract by Fulton Hogan.

Good progress has continued on Peria Road. Section three (of 5) is now sealed. Drainage, rock wall and pavement construction have continued in Section Four, which will be ready for sealing in early April. Rock wall construction and bridge undercuts mean section five is well underway. Next month's activities for Peria Road will focus on continuing with pavement construction and sealing on the next sections, and earthworks on the latter sections.

Next month's activities for Peria Road will focus on continuing with pavement construction and sealing on the next sections, and drainage/earthworks on the latter section.



*Stabilising in progress at Peria on Section 3*



*Bridge undercut at Peria on Section 5*



*Bridge undercut at Peria on Section 5*

### ***Ngapipito Road***

Ngapipito Road is a 5km seal extension and associated works. It is being delivered through the existing NTA South Area Road Maintenance Contract by Ventia.

Pavement and geometric design has been completed. The construction delivery of the seal extension has been split into four 1.25km sections, with staging of works on each section ideally allowing multiple sections to be in constructed at once (once clearing/earthworks on section one have been completed, that crew can move to section two and so on). Clearing, earthworks and survey/set-out has been completed on Sections 1 and 2. Drainage and culvert upgrades are currently underway.

Next month's activities for Ngapipito Road will focus on pavement construction for Section 1 and drainage/earthworks on the latter sections.

Clearing, earthworks and pavement construction will continue over winter as weather allows, with surfacing programmed for next season (by December 2021).



*Ngapipito Road clearing/earthworks and survey/set-out completed on sections 1 & 2*

### ***Bridge upgrades***

It is pleasing to note that only 6 bridges out of 21 will require physical works to strength them to the HPMV standard for heavy truck movements. The design is 80% complete for the strengthening works and will go to the local market for pricing in June. The physical works contract for Bridge Strengthening Works will be ready to go to the local market for pricing in June, with completion of work by December 2021.

### ***Ruapekapeka***

#### **Stage 1**

Widening works on Stage 1 are complete, and construction was largely completed in March, with the sealing programmed for mid-April.

Earthworks on the unsealed portion beyond the proposed end of seal (British memorial to Hayes Road) have been halted due to Northland's fibre cable being located within the large cut batter. Progress on the seal extension portion has continued with subbase aggregate being overlayed and compacted. Next month's activities for Ruapekapeka Road Stage 1 will focus on Chorus relaying the fibre cable so earthworks on the unsealed portion can be completed and completing pavement construction for the sealed section with surfacing programmed before the end of April.



*Ruapekapeka Road Stage 1 pavement construction*

## Stage 2

Detailed design for Ruapekapeka Road Stage 2 (bridge to Monument Road) is complete, with a peer review being undertaken by WSP on the geotechnical and structural aspects of the design. State Highway intersection design is well underway, with liaison on-going with the Ruapekapeka Trust for their inclusion of the intersection Pou.

Next month's activities for Ruapekapeka Road Stage 2 will focus on the tender documentation complete and out to market, with the completion targeted for next construction season.

The proposed delivery mechanism for Stage 2 is to utilise the NZTA Northland Delivery Framework (NDF) Lot 2 Suppliers, via a closed tender for construction. The design for Stage 2, including the proposed retaining walls below the Pa site and the SH1 intersection improvements is complete and undergoing a peer review.

## PROGRAMME OVERVIEW

### ***Priority 1 Routes***

A variation has been agreed with MBIE regarding the completion dates to milestones for the Priority 1 Roads; Design capacity in the local market meant that there was a delay at design stage for Ngapipito Road. This had a direct impact on the construction start date and due to the restriction on physical works over the winter season, an extension was agreed upon.

More generally, bridge investigations and storm repairs from the July 2020 weather event also caused unforeseen delays to the programme, again as a result of contractor capacity, although progress has mostly caught up with the original timeframes.



► Priority 1 Roads Programme Milestones			
Deliverable	Original Completion Date	Variation Completion Date	Status
<ul style="list-style-type: none"> <li>Funding Agreement executed by both parties.</li> <li>Investigation and design underway.</li> <li>Stage 1 construction underway. Enabling works (vegetation clearing, earthworks, widening and drainage) commenced before 1 September 2020.</li> </ul>	August 2020	Achieved	
<ul style="list-style-type: none"> <li>ECl agreement in place</li> <li>Stage 1 investigation and design complete</li> </ul>	30 September 2020	Achieved	
<ul style="list-style-type: none"> <li>Stage 2 design complete</li> <li>Stage 2 construction underway</li> </ul>	31 December 2020	15 March 2021 - Achieved	
<ul style="list-style-type: none"> <li>Stage 2 construction complete</li> </ul>	31 March 2021	30 November 2021	
<ul style="list-style-type: none"> <li>Final completion of surfacing MSQA reporting and monitoring paperwork</li> </ul>	30 June 2021	30 December 2021	

### ***Ruapekapeka Road***

The delivery milestones required to achieve the dates set out in the funding applications were very tight. While we accelerated as many of the processes as we could, and identified innovative delivery methods, delays with consenting and consultation with the Ruapekapeka Trust meant that the programme had started to slip. MBIE were consulted with as soon as this became obvious and issued a minor variation to the contract agreement that pushed completion out to December 2021.

The reason for the 6-month extension is due to the fact that we cannot undertake any earthworks, road pavement and sealing work during winter months, so Stage 2 works will have to be undertaken in the early part of the next construction season.

► Ruapekapeka Road Programme Milestones			
Deliverable	Original Completion Date	Variation Completion Date	Status
<ul style="list-style-type: none"> <li>Funding Agreement executed by both parties</li> <li>Investigation and design underway</li> </ul>	August 2020	Achieved	
<ul style="list-style-type: none"> <li>ECl agreement in place</li> <li>Stage 1 investigation and design complete</li> <li>Stage 1 construction underway. Enabling works (vegetation clearing, earthworks, widening and drainage) commenced before 1 September 2020.</li> </ul>	30 September 2020	Achieved	

### ► Ruapekapeka Road Programme Milestones

Deliverable	Original Completion Date	Variation Completion Date	Status
NOTE: Major earthworks for Stage 1 construction have been unable to start due to delays with consenting and archaeological authority requirements. The programme was already tight and this will put us a month behind, which will have a knock-on effect on the completion date.			
<ul style="list-style-type: none"> <li>• Stage 1 construction complete</li> <li>• Stage 2 design complete</li> <li>• Stage 2 construction underway</li> </ul>	31 December 2020	31 March 2021	
<ul style="list-style-type: none"> <li>• Stage 2 construction complete</li> </ul>	31 March 2021	30 November 2021	
<ul style="list-style-type: none"> <li>• Final completion of surfacing</li> </ul>	30 June 2021	30 December 2021	

A Funding Agreement Variation has been approved by the Provincial Development Unit for the Ruapekapeka Road project. The reason for the 6-month overall extension is due to the fact that we cannot undertake any earthworks, road pavement and sealing work during winter months, so these will have to be completed in the early part of the next construction season.

## FINANCIAL OVERVIEW

### ► Strategic Roads Road

Contract	Paid to Date	Status
Northern Edge	\$19,579	Ongoing
Hoskin Civil	\$65,811	Ongoing
Northern Civil	\$3,995	Complete
WSP	\$176,941	Complete
Ventia (previously Broadspectrum)	\$246,258	Ongoing
Fulton Hogan	\$3,973,311	Ongoing
Rawene Consultants	\$412	Complete
<b>Total</b>	<b>\$4,486,307</b>	

## ▶ Ruapekapeka Road

Contract	Paid to Date	Status
Northern Edge	\$10,164	Ongoing
Hoskin Civil	\$91,017	Ongoing
Northern Civil	\$4,240	Ongoing
Williamson Water	\$7,431	Ongoing
WSP	\$30,011	Complete
Geometria Ltd	\$6,391	Ongoing
Top Energy	\$1,100	Ongoing
Ventia (previously Broadspectrum)	\$529,459	Ongoing
Haigh Workman	\$119,420	Ongoing
<b>Total</b>	<b>\$799,233</b>	

## KEY RISKS AND OPPORTUNITIES

The following programme risks have been identified and are being actively managed:

- For Ruapekapeka, the initial engineers estimate based on the submitted design for stage 2 works, exceeds the budget allocation, largely due to the proposed retaining wall structures required to achieve road width adjacent to (below) the Pa site. We have engaged WSP to peer review the design and identify any 'value engineering' opportunities. This has been raised with MBIE representatives, with early discussions on potential funding reallocation from 'Priority 1 Roads Project'.
- For Ruapekapeka, delays with completing stage 1 works due to the Chorus Fibre Optic Cable location. This may also have an impact on stage 2 works.
- Peria Road section 5 may not get the final sealed surface completed in April, due to the impact of weather. The earthworks, drainage, pavement construction works will all be completed though.

## STAKEHOLDER COMMUNICATION

Council have released a number of media updates for Peria and Ngapipito Road.

In the case of Ruapekapeka Road, there are a significant number of stakeholders involved with the scope of work near the Ruapekapeka Pā site and the proposed intersection improvements with respect to safety and tourism at State Highway 1. We continue to work closely with Te Ruapekapeka Pa Trust and have fortnightly meetings with representatives from the Trust.

Partners and stakeholders involved in these projects include;

- Iwi/Hapu – Ngāti Hine, Ngāti Hau, Ngāti Manu and Te Kāpiti

- Te Ruapekapeka Trust
- DOC
- Geometra (Archaeological Specialists)
- Heritage NZ
- NZTA
- NRC
- Affected landowners

All stakeholders and affected parties are in full support of this project. Te Ruapekapeka Trust also have funds approved to develop the Pā site and enhance the entrance to Ruapekapeka Road with a proposed Pou and Waharoa near the intersection of State Highway 1, so it is critical that we work closely together on these projects.

A hui was held on 1st April with representatives from Te Ruapekapeka Trust, NZTA and FNDC Project Management Team to discuss the design of the Pou proposed for the SH1 intersection. The proposed concept is very exciting and we will share this detail in the near future.

# TE HIKU O TE IKA REVIATLISATION

## EXECUTIVE SUMMARY

The \$7M Te Hiku Revitalisation Project has been funded by the Shovel Ready Infrastructure Projects. This fund aims to provide an immediate boost to industries who have been greatly impacted by COVID-19.

This project consists of multiple smaller projects, including new shared paths, cultural art structures, playground and park improvements, streetscape works in Kaitaia, Awanui and Ahipara.

Overall, the project aims to provide:

- An immediate extra demand for design services for local / national consultants and surveyors, all of whom are facing reduced workloads due to Covid-19.
- Local suppliers – concrete plants, quarries for aggregate material, building materials merchants, native wood for carving, local eco-sourced plants, design and signage suppliers for the info plaques and art pieces in the streetscapes and along the shared paths.
- A substantial portion of work in terms of size and cultural significance for the local iwi in the area, artists and carvers – Maori employment from local Iwi and apprentice artists and carvers.
- A wide range of construction work suiting local contractors and supply chains, local contractors are encouraged to employ unskilled workers to upskill – concrete layers, labour for plantings, labour to establish recreation equipment within open spaces, machinery operators, new apprentice concrete layers, engineering and designers for specific design of the cycle trail location etc.
- Continuity of work for council technical staff.

This scope of works has been funded with the expectation that the project be completed by June 2022.

## SUMMARY - March

This project is largely being delivered by the community and guided by a local Project Working Group. Due to the reporting, programming and procurement requirements, it will be overseen by Kevin Hoskin, on behalf of FNDC. The reporting associated with Shovel Ready projects will be similar to that required for Provincial Growth Fund projects, although there is a greater level of detail required on a monthly basis for Shovel Ready Projects, to show progress against social outcomes and local economic benefits etc.

March has seen much of the cultural gateway and streetscaping in Kaitaia through the Kaitaia Art Walk awarded. The scaffolding was erected and the walls prepared for the murals going into the alleyway and back shops that open up to the Market Square that we are naming the 20/20 Beach theme. The walls were cleaned and undercoated in March and are now ready for the artists to start creating their masterpieces in April.



Above: Before work started at the back of the alleyway      Below: Preparation & undercoat completed prior to mural work



Below: Back of Sushi & Kaitaia Foodmart shops now one colour ready for mural work



The Dalmatian Alleyway was approved back in January, however it has taken time to get the captions, wording and grammar correct on the sign boards prior to printing them. The builders prepared the planter boxes off site and installed them at the end of March. The lighting has been attached on He Korowai Trust roof (Pictured above the guttering on the left where the planter boxes are placed) for best use of sunlight but will not be turned on yet until works are completed. The Dalmatian Alleyway work is due to be completed by the end of April.



*Authentic hand carved sign by Kauri Unearthed in Awanui featuring all 3 languages – Dalmatian, Maori & European welcome sign.*



*Planter boxes on the left and framing for historic photo boards in Dalmatian alleyway*



*The photo boards delivered to Kaitaia, ready for installation on the alleyway walls and planter boxes*

## PROGRAMME OVERVIEW

The current programme aligns closely with the deliverables specified in the project agreements shown in the following table.

The deliverables for Payment #1 were achieved, unlocking the first claim value of \$3.5m in November. Deliverables for 31 March 2021 have been largely achieved with detailed plans for the final design of pump-tracks and playgrounds still in progress. We have not spent the initial upfront payment of \$3.5M, so no claim is due for this milestone.

▶ Te Hiku O te Ika		
Deliverable	Completion Date	Status
<ul style="list-style-type: none"> <li>The agreement executed by both parties. Project is 'shovel ready'</li> </ul>	30/10/2020	
<ul style="list-style-type: none"> <li>Surveying, detailed plans and preparation for works at Ahipara, Awanui and Kaitaia. Recipient to provide evidence to the Ministry that the previous instalment has been spent.</li> </ul>	28/02/2021	
<ul style="list-style-type: none"> <li>Awanui carpark &amp; playground underway</li> <li>Ahipara carpark &amp; playground underway</li> <li>Recipient to provide evidence to the Ministry that the previous instalment has been spent and that the consent has been granted.</li> </ul>	30/05/2021	
<ul style="list-style-type: none"> <li>Kaitaia Town square and market square complete</li> <li>Streetscaping completed Ahipara, Awanui and Kaitaia</li> <li>Pump park completed in Kaitaia and Ahipara</li> <li>Recipient to provide evidence to the Ministry that the previous instalment has been spent.</li> </ul>	31/08/2021	
<ul style="list-style-type: none"> <li>Awanui carpark and playground completed</li> <li>Ahipara carpark and playground completed</li> <li>Cultural Art erected</li> <li>Awanui Jetty completed</li> <li>Ahipara walkways completed</li> </ul>	30/11/2021	
<ul style="list-style-type: none"> <li>All works completed and project finishes</li> </ul>	30/06/2022	

## FINANCIAL OVERVIEW

▶ Te Hiku O te Ika		
Contract	Paid to Date	Status
Northern Edge	\$24,369	Ongoing
Hoskin Civil	\$91,572	Ongoing
Dentons Kensington Swan	\$1,353	Ongoing
In the Field Safety	\$7,348	Ongoing
Panther Consulting	\$5,567	Completed
16Ten	\$2,002	Ongoing
Rawene Consultants	\$9,762	Ongoing
Safety 'n Action	\$490	Ongoing



▶ Te Hiku O te Ika		
Signs of Life	\$360	Ongoing
Stellar Projects	\$5,675	Ongoing
Von Sturmers	\$8,456	Ongoing
Xscape Design	\$26,302	Ongoing
Top Energy	\$1,100	Ongoing
Laser Electrical	\$3,256	Ongoing
Double Positive	\$11,039	Ongoing
Printing.Com	\$21,086	Ongoing
e-procure	\$1,250	
<b>Total</b>	<b>\$220,987</b>	

## BROADER OUTCOMES

This project is all about achieving Broader Outcomes for the Far North community, with aims for specific outcomes detailed in the following section. The project team have spent a significant amount of time undertaking consultation prior to the project starting to understand and manage expectations. There are also regular updates in the local newspaper.

### ***Social Procurement***

One of the biggest drivers for this project is achieving social procurement outcomes. All companies and individuals engaged to date are Northland based and are predominantly from the Far North. The project is still governed by FNDC's procurement policies, and threshold values for supplier selection are adhered to.

Continued management of social procurement processes will ensure these outcomes are achieved.

### ***Local Iwi partnerships***

The project working group includes local Kaumatua who liaise with local Iwi for creation of cultural art installations. Regular fortnightly meetings are now in place to keep abreast of progress for all gateways.

### ***Upskilling the local workforce***

FNDC and the project team have set up an initiative to assist local, smaller contractors achieve Sitewise accreditation who don't currently meet this prequalification criteria. To date, 31 contractors have registered for this assistance. In addition to allowing them to work on this project, this accreditation will prequalify them for future continued work with FNDC. Through this process these contractors will be upskilled specifically in the Health and Safety at Work Act and their systems and processes will improve, resulting in safer workplaces.

As a continuation to this, contractors unfamiliar with FNDCs reporting and financial requirements will be coached to ensure their systems support timely payment of claims and accurate reporting.

# CIVIL DEFENSE EMERGENCY MANAGEMENT

Providing leadership in reducing risk,  
being ready for, responding to and  
recovering from emergencies.

recovering from emergencies.

## NATIONAL EMERGENCY MANAGEMENT AGENCY

- The National Emergency Management Agency has announced the appointment of Gary Knowles as its new Deputy Chief Executive, Emergency Management.

Gary was a member of the New Zealand Police for 42 years and worked in a variety of operational and leadership roles in emergency management, intelligence, criminal investigations, and senior commands in New Zealand and internationally

In 2012 Gary was appointed to District Commander for the Canterbury Police District, where he led a team of 1,000 — the second biggest policing district in New Zealand. Gary started his new role with NEMA on Monday 22 March.

- On 5 March, the National Emergency Management Agency (NEMA) National Coordination Centre (NCC), which was already activated to support the response to the COVID-19 resurgence in Auckland, pivoted to manage the multiple earthquake events that resulted in tsunami warnings and advisories.



A M7.3 East Cape earthquake at 2.27am triggered the first tsunami warning for a Land and Marine threat which passed at 6am. At 6.41am, a M7.4 earthquake near the Kermadec Islands then triggered a tsunami advisory for a Beach and Marine threat. Whilst the earlier advisory was still in effect, a M8.1 earthquake struck again near the Kermadec Islands at 8.28am. This triggered a new tsunami warning for a Land and Marine threat for several areas of north-eastern New Zealand.

The tsunami waves from all three earthquakes were detected on the New Zealand DART buoy network. GNS Science reported that the New Zealand DART buoy network greatly assisted the Tsunami Expert Panel with reducing the forecasting uncertainties and enabled a much quicker cancellation of the threat from the M8.1 Kermadec earthquake.

CDEM Groups and national agencies activated in response. The NEMA National Controller held teleconferences with CDEM Group controllers at regular intervals throughout the event to ensure effective coordination, consistency in response, and direct access to GNS Science advice.

NEMA issued an initial Emergency Mobile Alert (EMA) to the areas requiring evacuation (i.e. those areas that were under Land threat). Some CDEM Groups later followed with their own EMA messages; some expanded the target areas for evacuations and others issued alerts for areas that were under Beach and Marine threat. Affected communities evacuated for a number of hours and were allowed to return from 1:15pm when the warning was downgraded to a Beach and Marine threat before being cancelled at 3:45pm. There was no damage on land reported.

The NCC was stood down for both the COVID-19 resurgence and the tsunami response at 5pm on 5 March. NEMA is in the process of conducting an internal review of the response to the three tsunami events. NEMA's review process will include discussion with GNS and the CDEM Groups.

## NORTHLAND CDEM GROUP

- Work continues with the review of the Northland CDEM Group Plan. In line with the Directors Guideline for Emergency Management Groups, an across agency and stakeholders' workshop with 25 attendees was held on 31 March to work through key aspects of the plan including a full review of the northland risk hazardscape. Recommendations from this workshop will be incorporated into the revised plan.

- A multi-agency debrief was held on 24 March 2021 to consider opportunities for improvement after the 5th March Kermadec earthquake and tsunami warning and affecting Northlands coastal communities. As a result of this debrief, all agency groups were asked to implement the opportunities for improvement as identified within their own organisations. A debrief report will be included in the agenda for next scheduled Civil Defence Emergency Management Group meeting.
- Civil Defence Officers have received several requests across Northland from communities including Marae, schools and Kura for assistance with emergency planning after Kermadec tsunami warning and evacuation. CDEM Officers have since attended community meetings at Karikari Peninsula, Russell, Taipa, Coopers Beach Lake Ohia and the Kaitaia Primary School SLT to support local communities to improve their preparedness for such events.
- The bi-annual tsunami alarm test was carried out on Sunday 4th March. To date three alarms in the FNDC coastal areas have been identified as requiring maintenance or replacement. One alarm located at Te Ngaere was reported as being vandalised and damaged beyond repair during the Kermadec tsunami evacuation. As the owner of the alarms, information pertaining to the offending has been passed on to the Far North District Council to follow up with councils legal team for potential cost recovery. The estimated replacement cost will be \$4-5K.

## WARNINGS AND ADVISORIES

- A **National Advisory** was issued at 02:40 05 March 2021 as a result of a magnitude 7.3 earthquake off the EAST CAPE of New Zealand. After assessing the earthquake parameters, the National Emergency Management Agency and GNS Science determined there was no tsunami risk to Northland but issued a LAND AND MARINE WARNING for the East Coast of the North Island from CAPE RUNAWAY to TOLAGA BAY.
- A second **National Advisory** was Issued at 07:29 05 March 2021 following a magnitude 7.4 earthquake near KERMADEC ISLANDS at 2021-03-05 6:41 AM. A LAND and MARINE threat was issued for the EAST COAST of the NORTH ISLAND from the BAY of ISLANDS to WHANGAREI.
- A third **National Advisory** was issued at 08:45 05 March 2021 following a magnitude 8.1 earthquake north-east of New Zealand near KERMADEC ISLANDS REGION affecting the East Coast of the North Island from the BAY OF ISLANDS to WHANGAREI, from MATATA to TOLAGA BAY including Whakatane and Opotiki including GREAT BARRIER ISLAND. This was **escalated to a National Warning** at 9:45am 05 March 2021 and included the North Cape and almost the entire New Zealand coastline. This warning resulted in immediate evacuation to high ground for all Northland coastal communities.

# Tsunami Forecast Map

**Earthquake details:** M8.1 Kermadec Earthquake #2  
**Time of earthquake:** 08:28 NZDT 05/03/2021  
**Map issued at:** 09:35 NZDT 05/03/2021



- NOTE:**
1. The stated threat levels may apply to any one of the series of waves generated by the event and not necessarily to the first wave. The first wave is not always the largest or highest and waves are likely to continue for many hours.
  2. The threat levels suggest the largest wave at any coastal point inside the zone. Wave heights will vary within a zone.
  3. The amplitudes do not include the tidal state (sea level) at the time the wave reaches the shore.
  4. The estimate is for the maximum expected wave amplitude at shore. Run-up can be up to twice as high on steep slopes onshore near the coast i.e. a wave measuring 5m at shore can run-up as high as 10m on-land near the shore.
  5. The expected wave amplitudes (crest to sea level) at the shore are likely to be different to measurements given in PTWC bulletins. PTWC measurements are taken at sea level gauges in the open ocean or at coastal points off-shore from New Zealand. NEMA information represents the official threat estimates.

Maximum expected amplitude at shore	Threat definition
<0.3m	No threat
0.3–1m	Beach & Marine Threat (including harbours, estuaries and small boats)
1–3m	Land & Marine Threat
3–5m	
5–8m	
>8m	

Tsunami forecast map issued at 0935 hours showing affected area and expected amplitudes at the relative coastal areas across New Zealand.



## APPENDICES



**TE TAI TOKERAU  
WORKER  
REDEPLOYMENT  
PACKAGE –  
MONTHLY  
REPORT**



**PROVINCIAL  
GROWTH  
FUND**  
TUAWHENUA

<b>Location and Region:</b>	<b>Te Tai Tokerau\Northland</b>
<b>Contracted Amount:</b>	<b>\$9.32 million (Original) + \$4 million (Storm Variation)</b>
<b>Report Date:</b>	For the month ending 31 <sup>st</sup> March 2021
<b>Programme Outcomes:</b>	<ul style="list-style-type: none"> <li>• prioritise the employment of local workers displaced by the COVID economic crisis;</li> <li>• occur at pace, time being critical; and</li> <li>• assist in meeting the social procurement objectives agreed between the parties</li> </ul>

## 1. Project Updates

*Provide description and analysis of actual against planned progress of each Project Element to show that the Project is occurring at pace.*

### Completion Date Risk

Provide description and analysis of actual against planned progress of each Project Element to show that the Project is occurring at pace.

With most Funded activities completed in February 2021, the March report includes updates only for the following remaining three in progress items:

- 9. Kaipara District Council Parks - Vegetation clearance & clean ups - Kai Iwi Lakes & Pou Tu o Te Rangi
- 16. WDC Storm Response works
- 17. FNDC Storm Response works

<b>Project Element</b>	<b>Details of progress</b>
1. Removal of self-seeded roadside trees	Funding item complete.
2. Roding sightline improvements and vegetation clearance	Funding item complete.
3. Roadside litter collection and clean-up	Funding item complete.
4. Removal of known Roadside hazardous trees	Funding item complete.
5. Removal of self-seeded roadside trees	Funding item complete.
6. Roadside litter collection and clean-up	Funding item complete.
7. Spot Spraying Noxious Weeds	Funding item complete.
8. Sight Rail Improvements (3# districts)	Funding item complete.
9. Kaipara District Council Parks - Vegetation clearance & clean ups - Kai Iwi Lakes & Pou Tu o Te Rangi	<p>Works are completed across several sites with the finalisation of works underway in particular sites as detailed below;</p> <ul style="list-style-type: none"> <li>• Mangawhai Community Park - Reinstatement of shared tracks/walkways partially completed. This was programmed for completion in February, however due</li> </ul>



	to extenuating circumstances completion is now programmed for May.
	<ul style="list-style-type: none"> <li>Kai-iwi Lakes – Taharoa Domain Area, removal of large Macrocarpa trees – this was additional works completed in March.</li> </ul>
10. WDC Parks - Vegetation clearance & clean ups	Funding item complete.
11. FNDC Parks - Vegetation clearance & clean ups	Funding item complete.
12. NRC - Rivers & Beaches Vegetation clearance & clean ups	Funding item complete.
13. Tikipunga cycle trail - Stage 1 - (Totara Parklands to Whg. Falls)	Funding item complete.
14. New Footpaths (3# districts) missing links in existing urban network	Funding item complete.
15. Accelerated Unsealed network grading program	Funding item complete.
16. WDC Storm Response works	Storm Response scope activities have continued. 98% of total \$2m identified works has been completed as at 31 <sup>st</sup> March 2021.

Work Type	Original Total	Revised Forecast	Monthly Progress		
			Expenditure	% Complete	Comments
Stormwater, Waste & Drainage	\$ 569,808.98	\$ 523,465.93	\$ 523,465.93	100%	Work Completed
Parks	\$ 780,941.25	\$ 827,571.77	\$ 816,030.89	99%	Minor tidy up works remaining
Roading - Priority 1 & 2	\$ 650,333.99	\$ 648,962.30	\$ 617,452.31	95%	Work to date has been completed at lower cost than originally estimated. Work associated with 17 of 21 activities has been completed with 1 further activity underway - remainder to complete prior to end of May 2020
	\$ 2,001,084.22	\$ 2,000,000.00	\$ 1,956,949.13	98%	

*\*Total expenditure being managed across funding lines to contain within \$2m funding limit.*

17. FNDC Storm Response works	Storm Response scope activities have continued, with completion on track for revised timeline of end-May 2021. 38% of total \$2m identified works has been completed as at 31 <sup>st</sup> March 2021.
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Work Type	Original Total	Moerewa component	Revised Forecast	Completed Value	Comments
Moerewa Initial Clean Up (retrospective)	\$ 77,073.06	\$ 77,073.06	\$ 77,073.06	\$ 77,073.06	Retrospective works - fully complete
BSL Districtwide Flood Response (retrospective)	\$ 113,779.06	\$ -	\$ 113,779.06	\$ 113,779.06	Retrospective works - fully complete
Flood Protection Works	\$ 351,906.78	\$ 179,435.00	\$ 351,906.78	\$ 108,656.00	Work continues - on track for completion by end May 2021
Parks	\$ 545,000.00	\$ 31,435.00	\$ 545,000.00	\$ -	Invoicing yet to be received from contractors. 2 of 17 tasks fully complete with 8 in progress. Balance to commence in April and is on track for completion by end May 2021
Roading - Moerewa Specific	\$ 50,101.25	\$ 50,101.25	\$ 50,101.25	\$ 50,101.25	All Moerewa specific items completed
Roading - General	\$ 949,528.63	\$ 2,626.88	\$ 1,006,595.32	\$ 407,496.54	148 of 367 tasks completed to date. Work continues and is on track for completion by end May 2021
	\$ 2,087,388.78	\$ 340,671.19	\$ 2,144,455.47	\$ 757,105.91	

*\*Expenditure will be managed across funding lines to contain within \$2m funding limit.*

## 2. Redeployment Outcomes

2.1 Please complete the following table for the number of people working to deliver the project in the current reporting period.

Project Element	Total People Working	Prev Unemployed	Aged 15-24	Māori	Pasifika	Women	Job type • Full-time • Part-Time • Contractor
Item 9. Vegetation clearance and clean ups – Kai Iwi Lakes & Pou Tu o Te Rangi	9	3	2	6	0	2	4 x Part-time Working on Elements of the Project.
<i>TOTAL</i>	9	3	2	6	0	2	<i>As above</i>

Note – As activities now reach completion the number of staff engaged on the programme are reducing, noting that where possible previously unemployed workers who were engaged through the programme are being retained for alternate works where possible.

2.2 Complete the following total jobs table, showing total current employed, previously employed and expected future jobs in the project.

Current jobs	People previously but no longer employed on the project	Expected jobs in the future
9	284	Nil

2.3 Provide any additional narrative to explain the table or give other relevant information.

### KDC Parks:

At the peak of the KDC Parks Vegetation clearance & clean ups work (September 2020), 43 people were actively involved in the works, with 23 of these being previously unemployed. Various elements have now been completed, with many workers being redeployed to other projects and work outside this package.

Throughout March 9 people continued to be employed as part of the current stages of works. The month was quieter due to reprogramming of works, particularly in the Mangawhai Community Park due to delays due in most part to the finalisation of Retrospective Consent requirements. The consenting requirements have now been finalised with works now able to proceed as planned in April. Of the 9 employed in March, the majority will be redeployed to other works outside of this project, with 3 of the workers re-establishing to complete elements such as follow up pest plant treatment, remediation and reinstatement works.

Further works are to be undertaken through to May 2021 to fully complete elements of this works package. It is expected that there will be up to 10 people employed through to completion of elements of this work package. The extension of works into May 2021 has also provided additional work surety for some of the suppliers and workers who were concerned about workload leading into the winter months.

## 3. Supplier Diversity Outcomes

Please complete the following table for the number and value of each direct or sub-contract awarded to local, Māori and/or Pasifika-owned businesses during the current reporting period.

*One further local contractor engagement in March (shown below)*

Name of business	Business type (Māori, Pasifika, local)	Contract type (direct, sub-contract)	Contract purpose (briefly describe)	Length of contract (months)	Total value of contract (\$) (Approx)	No. new employees (as a result of contract)
Searle Forestry	Local	Direct	Removal of large pest trees	1 month	\$ 20,000	0

- Total **Local business** supplier engagement reported to date = \$5,024,668 (54% of total)
- Total **Maori/Pasifika** business supplier engagement reported to date = \$1,373,066 (15% of total)

#### 4. Social Procurement Objectives

Please provide details of achievements to date against your agreed social procurement objectives.

No further updates in March – all reported previously.

#### 5. Financials

Eleven milestone payment totalling \$12,771,201 have been claimed from MBIE to date.

A final reconciliation of expenditure for the completed funding items following receipt of any remaining trailing contractor invoices and will be provided in the final project completion report (June 2021).

Project Element	Received from PGF to date	Actual Project Expenditure to Date	Notes
1. Removal of self seeded roadside trees	\$ 300,000.00	\$ 1,260,000.00	Works completed
2. Roading sightline improvements and vegetation clearance	\$ 460,000.00		
3. Roadside litter collection and clean-up	\$ 500,000.00		
4. Removal of known Road side hazardous trees	\$ 1,800,000.00	\$ 1,804,059.23	Works completed
5. Removal of self-seeded roadside trees	\$ 870,000.00	\$ 1,019,765.39	Works completed
6. Roadside litter collection and clean-up	\$ 470,000.00	\$ 463,901.22	Works completed
7. Spot Spraying Noxious Weeds	\$ 250,000.00	\$ 292,260.64	Works completed
8. Sight Rail Improvements (3# districts)	\$ 200,000.00	\$ 147,548.84	Works completed
9. Kaipara District Council Parks - Vegetation clearance & clean ups - Kai Iwi Lakes & Pou Tu o Te Rangi	\$ 1,528,197.50	\$ 1,426,495.00	The works were planned for completion by the end of February 2021, however due to retrospective consent requirements, COVID alert level changes, weather and peak usage of park facilities, agreement was reached with MBIE to extend the completion of the works through to May 2021.
10. Whangarei District Council Parks - Vegetation clearance & clean ups	\$ 200,000.00	\$ 600,000.00	Works completed
13. Tikipunga cycle trail - Stage 1 (Totara Parklands to Whangarei Falls)	\$ 400,000.00		
11. Far North District Council Parks - Vegetation clearance & clean ups	\$ 200,000.00	\$ 205,572.66	Works completed
12. Northland Regional Council - Rivers & Beaches Vegetation clearance & clean ups	\$ 200,000.00	\$ 200,000.00	Works completed
14. New Footpaths (3# districts) missing links in existing urban network	\$ 1,500,000.00	\$ 1,470,135.00	Primary construction works completed
15. Accelerated Unsealed network grading program	\$ 370,000.00	\$ 195,507.68	
16. WDC Flood Damage repairs	\$ 1,900,000.33	\$ 1,956,949.13	Small amount of tidy up works to be completed
17. FNDC Flood Damage repairs	\$ 1,623,003.53	\$ 757,105.91	Delays in Contractor invoicing for Parks component resulting in understated financial progress. Works on track for completion by end-May 2021
<b>Total</b>	<b>\$ 12,771,201.36</b>	<b>\$ 11,799,300.70</b>	

## 6. Forward Work Programme

*Outline forward work to be completed in the next month (not required in the Final Report)*

Project Element	Outline of Planned Work (for next month)
1. Removal of self-seeded roadside trees	Funding Item now completed.
2. Roadside sightline improvements and vegetation clearance	Funding Item now completed.
3. Roadside litter collection and clean-up	Funding Item now completed.
4. Removal of known Roadside hazardous trees	Funding Item now completed.
5. Removal of self-seeded roadside trees	Funding Item now completed.
6. Roadside litter collection and clean-up	Funding Item now completed.
7. Spot Spraying Noxious Weeds	Funding Item now completed.
8. Sight Rail Improvements (3# districts)	Funding Item now completed.
9. Kaipara District Council Parks - Vegetation clearance & clean ups - Kai Iwi Lakes & Pou Tu o Te Rangi	Mangawhai Community Park - reinstatement, selected planting & revegetation, groundwork preparation for shared pathway, removal of large wilding pines on Thelma Road South - completion is now programmed for May.
10. Whangarei District Council Parks - Vegetation clearance & clean ups	Funding Item now completed.
11. Far North District Council Parks - Vegetation clearance & clean ups	Funding Item now completed.
12. Northland Regional Council - Rivers & Beaches Vegetation clearance & clean ups	Funding Item now completed.
13. Tikipunga cycle trail - Stage 1 (Totara Parklands to Whangarei Falls)	Funding Item now completed.
14. New Footpaths (3# districts) - missing links in existing urban network	Funding Item now completed.
15. Accelerated Unsealed network grading program	Funding Item now completed.
16. WDC Storm Response	Final completion of works identified in scope document provided to MBIE.
17. FNDC Storm Response	Continuation of remaining outstanding works identified in scope document provided to MBIE.

## 7. Risks/Issues/Opportunities

*(Any risks and/or issues arising or expected to arise, costs and mitigation)*

Funding Item(s)	Risks / Issues	Magnitude / Likelihood	Mitigation
All	Failure to complete works within revised Contracted timeframes	High / Low	Risk predominantly mitigated with MBIE approval of Contract Variation to extend Completion timeframe to new Completion date of 28/02/2021.
All	Changes to Covid-19 Alert Levels	Severe / Moderate	Work programmes to be adapted to suit restrictions where possible. Contractor risk control plans in place


## 8. Communications

Nil to report for March.


## Additional information - Redeployment Activity photos

WDC Storm repairs (Roading) – Riponui Rd Channel repairs (before & after)





**FNDC 20/21  
CAPTIAL AND  
RENEWAL  
PROGRAMME  
UPDATED**



FEBRUARY UPDATE

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
125 - Footpath Maintenance	Footpath Renewal	Te Hiku Ward: Refer RAMM for list of sites.	70%	In construction	In construction	3	
125 - Footpath Maintenance	Footpath Renewal	BOI-Whangaroa Ward: Refer RAMM for list of sites.	99%	In construction	In construction	3	
125 - Footpath Maintenance	Footpath Renewal	Kaikohe-Hokianga Ward: Refer RAMM for list of sites.	23%	Construction of Parnell Footpath postponed to May as contractor plans to complete additional works around Opononi area before mobilizing to Rawene (Parnell Street).	In construction	3	
140 - Minor Events	General Maintenance	Iwitaua Road RP 14005	100%	Complete	n/a	3	
140 - Minor Events	General Maintenance	Paponga Rd RP8886 Slip Remediation	96%	Complete	Complete	3	
140 - Minor Events	Resilience	Waikare Road - various locations	0%	Work re-scheduled to start in April 2021	Commence construction	3	
141 - Emergency Works	Resilience	West Coast Rd RP 9563	29%	Construction complete. Independent peer review commissioned due to concerns for global slope stability at this location. Additional investigations may be required pending outcome of peer review.	Engage independent consultant to peer review design and construction outputs.	3	
141 - Emergency Works	Resilience	PLACEHOLDER	#DIV/0!	n/a	n/a	1	\$180,456 of budget made surplus in March 2021 as projects constructed within budget.
141 - Emergency Works	Resilience	Wharekawa Rd RP 3552	100%	Complete	Complete	3	
141 - Emergency Works	Resilience	Fairburn Rd	100%	Complete	Complete	3	
141 - Emergency Works	Resilience	Diggers Valley Rd	100%	Complete	Complete	3	
212 - Sealed Road Resurfacing	Sealing Chip seal	South Region (CS - 37.99km)	95%	program mostly complete	chipseal complete end of March, small AC job in Waitangi early April	3	
212 - Sealed Road Resurfacing	Sealing Chip seal	North region (CS - 31.4km, TAC - 0.632km)	107%	100% complete with exception of one site (Fairburn Road)	complete	3	
214 - Sealed Road pavement rehabilitation	Rehabs	PAWARENGA ROAD	80%	Sections 1 & 2 are sealed, snag list to come, section 3 will recommence 21/22 construction season	Sections 1 & 2 in maintenance, section 3 to be maintained unsealed over winter.	3	
214 - Sealed Road	Rehabs	WAIMATENUI / MATARAUA ROAD	25%	Enabling and drainage works complete, pavement construction to be	Pavement construction, stabilisation and sealing.	2	Weather is potentially going to be a factor in having the site sealed during April.



Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
pavement rehabilitation				completed. Sealing late April.			
214 - Sealed Road pavement rehabilitation	Rehabs	OKAIHAU ROAD	101%	Complete	Maintenance period	3	
214 - Sealed Road pavement rehabilitation	Rehabs	Contract management fixed cost.	75%	n/a	n/a	2	
214 - Sealed Road pavement rehabilitation	Rehabs	Horeke Road	98%	Completed.	Maintenance period	3	
214 - Sealed Road pavement rehabilitation	Rehabs	Broadwood road	115%	Rehab Completed, maintenance list forwarded to contractor	maintenance period.	3	
214 - Sealed Road pavement rehabilitation	Rehabs	Purerua Road	109%	Physical works complete, practical completion and snag list complete	Maintenance period	3	
214 - Sealed Road pavement rehabilitation	Rehabs	Pungaere Road	120%	complete, post contract work possible riprap repair to water table.	DLP period	3	
214 - Sealed Road pavement rehabilitation	Rehabs	Rehab design and investigation	0%	Seeking approval to award testing contract to recommended supplier	Commence testing for next seasons rehabs	3	
215 - Structures Component Replacement	Bridge	General Bridge maintenance	54%	Physical works progressing well with close to 60 sites of 105 were completed.	Continue with physical works on major work site.	3	
215 - Structures Component Replacement	Bridge	Scour protection across the network	25%	Commence physical works with close to 20 sites of 125 were completed.	Continue with physical works which includes major work site.	3	
215 - Structures Component Replacement	Bridge	Heavy Bridge Maintenance (Nth & Sth)	100%	Defects liability period for South. Scope for North 19/20 contract has been added to this year's General Bridge Contract 20/21.	Defects liability period for South.	3	
215 - Structures Component Replacement	Bridge	Scour protection (North and South)	154%	Defects liability period	Defects liability period	3	
215 - Structures Component Replacement	Bridge	Matai Bay Road Bridge C03	27%	Site investigation and options report.	Detailed design & documentation forecasted to be deliver on April.	3	
215 - Structures Component Replacement	Bridge	Hihi Road Bridge F07	0%	Investigation and design in progress	Continue with Investigation and design	3	
215 - Structures	Bridge	Puhata road	0%	Matawherohia removed from project and added to	Continue with Puhata designs	3	

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
Component Replacement				Heavy bridge renewal works			
215 - Structures Component Replacement	Bridge	Contingency for any overruns and testing, designing for next FY	0%			3	
215 - Structures Component Replacement	Bridge	Grove Road Bridge M28	48%	Tender Documents ready for next financial year's tendering.	Tender Documents ready for next financial year's tendering.	3	
215 - Structures Component Replacement	Bridge	Churtons Road Bridge C13	0%	Investigation and design in progress	Continue with Investigation and design	3	
215 - Structures Component Replacement	Bridge	Kaitaia Awaroa road bridge D42	48%	Site investigation and options report.	Detailed design & documentation forecasted to be deliver on April.	3	
215 - Structures Component Replacement	Bridge	Kaitaia Awaroa road bridge D47	16%	Site investigation and options report.	Detailed design & documentation forecasted to be deliver on April.	3	
215 - Structures Component Replacement	Bridge	Kenana Road Culvert E94	0%	Site investigation and options report done and will be package with Grove Road Bridge M28	Site investigation and options report done and will be package with Grove Road Bridge M28	3	
324 - Road Improvements	Lighting	District wide	97%	Complete	Complete	3	
341 - Low Cost Low Risk	Asso Improvements	Northern & Southern Area: Associated improvements on 2020/21 pavement rehabilitation sites	72%	Works in Progress	Works in Progress	3	
341 - Low Cost Low Risk	Bridge	Otaua Road M28 N28	93%	Sealing of the approaches and practical completion	Final inspection / practical completion	3	
341 - Low Cost Low Risk	Bridge	West Coast Road G01	47%	RC approval has been released and commence at site late this month. Off-site superstructure construction ongoing.	Installation of temporary crossing, piling works and demolition of existing bridge structure.	3	On-going Panguru flood mitigation project adjacent to the bridge.
341 - Low Cost Low Risk	Bridge	Puhata Road Bridge D50 Replacement	49%	Investigation and design in progress	Continue with Investigation and design	3	
341 - Low Cost Low Risk	Bridge	Quarry Road (Awanui) Culvert B13 Replacement	8%	Investigation and design in progress	Continue with Investigation and design	3	
341 - Low Cost Low Risk	Bridge	WekaWeka Road Culvert J18 Replacement	8%	Investigation and design in progress	Continue with Investigation and design	3	
341 - Low Cost Low Risk	Bridge	Kaitaia-Awaroa Road Culvert D41 Replacement	38%	Site investigation and options report.	Detailed design & documentation forecasted to be deliver on April.	3	
341 - Low Cost Low Risk	Cycleways	Keith Kent 20/21 & 21/22 projects. Ped	29%			3	Project added to programme November 2020 for delivery

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
		& Cycle Traffic Calming Improvements					through safety team. Updates pending.
341 - Low Cost Low Risk	Future designs	PLACEHOLDER for advance design of 21/22 projects	0%	Programme to be supplied	Programme to be supplied	2	Risk of under/non-delivery - dependant on programme being supplied in time.
341 - Low Cost Low Risk	Lighting	Various District Roads	1%	Construction started (in Kerikeri)	Continue construction	3	
341 - Low Cost Low Risk	New Footpath	North Park Drive - Whangatane Drive, Kaitaia	100%	Complete.	Complete	3	
341 - Low Cost Low Risk	New Footpath	BOI-Whangaroa Ward: Length of Pa Road	40%	In construction	In construction	3	
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Horeke Rd to Cemetery 294-330	4%	Construction did not commenced as programmed. Contractor increasing to two work crews to get back programme on track.	Commence construction	3	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Foreshore Rd - Tasman Heights to Toilets	19%	Construction commencing Apr 21	Commence construction works package	3	
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Taumataiwi St Opononi	118%	Complete	Complete	3	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Foreshore Road - Toilets to Panorama Ln	0%	Construction commencing Apr 21	Commence construction works package	3	CB resolution removed this from scope.
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Kohukohu Road Manning to Marriner	9%	Construction phase started but Council chose to halt to respond to resident concerns.	Recommend construction once council confirm resident concerns addressed and can proceed.	2	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: SH1 Harbour View Rd to private access	10%	Construction commencing Apr 21	Commence construction works package	3	
341 - Low Cost Low Risk	New Footpath	BOI-Whangaroa Ward: Ped Bridge near Main St Bridge	0%	Finalising consultant engagement for detailed design.	Start detailed geotechnical investigation and structural design.	3	Design is expected to be complete by June. Thus, the project delivery will start next fiscal year 2021-2022
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Donald Ln to WINZ on N Park Drive	0%	Construction commencing Apr 21	Commence construction works package	3	
341 - Low Cost Low Risk	New Footpath	BOI-Whangaroa Ward: SH11 Kaipatiki Rd to York Rd	34%	Detailed Design is underway	Complete Detailed Design, engaging contractor & start site preparation works	2	Delivery may extend into next fiscal year
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Kaikohe Footpath - Taheke Road to Orrs Road eastbound	16%	Completed partial change to design to reflect Safety Audit requirements.	Agree change/ reduction in project scope and pricing with contractor (resulting from Safety Audit requirements)	3	
341 - Low Cost Low Risk	New Footpath	BOI-Whangaroa Ward: Te Taipui Rd to Matauri Bay School Link	18%	Preparing to commence construction.	Commence construction	3	

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Kaitaia - SH1 Matthews Avenue	0%	Construction commencing Apr 21	Commence construction works package	3	
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Lake Road 91 to 95	0%	In construction	Complete construction	3	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Mill Bay Rd to Rangikapiti Rd	100%			1	Project deferred beyond 2020/21 programme as tender price significantly exceeds budget. Deferral endorsed by Te Hiku CB in 26 Jan meeting.
341 - Low Cost Low Risk	New Footpath	Kaikohe-Hokianga Ward: Opononi Footpath - Waianga Place	104%	In construction	Complete construction	3	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Kaitaia - Dominion Road	0%	Construction commencing Apr 21	Commence construction works package	3	
341 - Low Cost Low Risk	New Footpath	Te Hiku Ward: Mill Bay Rd Rangikapiti Rd to Richmond Rd link	100%			1	Project deferred beyond 2020/21 programme as tender price significantly exceeds budget. Deferral endorsed by Te Hiku CB in 26 Jan meeting.
341 - Low Cost Low Risk	Pedestrian Improvements	Hobson Ave Ped Crossing	5%			3	Project added to programme November 2020 for delivery through safety team. Updates pending.
341 - Low Cost Low Risk	Resilience	Panguru Road	101%	Complete	Complete but some minor defects to be addressed	3	
341 - Low Cost Low Risk	Resilience	West Coast Rd RP16005	102%	Complete	Complete	3	
341 - Low Cost Low Risk	Resilience	Taupo Bay Road RP 8816 & 9169	92%	Complete	Complete	3	
341 - Low Cost Low Risk	Resilience	Mangamuka Road RP 7845 & 8387	96%	In construction	In construction	3	
341 - Low Cost Low Risk	Resilience	Kaitaia Awaroa 26991 (c/o from 19/20 currently in construction)	63%	Construction largely complete but identified horizontal drains defect to be resolved.	Commence/Continue construction to remedy defects	3	
341 - Low Cost Low Risk	Resilience	Powell Road RP209	12%	Geotechnical peer review, additional site investigation and detailed design started. Finalizing the tender documents and issue RFT	Tender evaluation and contract award	2	Adverse weather may impact ability to fully deliver this financial year.
341 - Low Cost Low Risk	Resilience	Sullivans Road	100%	Construction completed. Design complete for additional safety and storm water measures	Engage with Maintenance Contractor to price and programme safety and storm water measures	3	
341 - Low Cost Low Risk	Resilience	Wainui Road RP 7200	91%	Complete	Complete	3	
341 - Low Cost Low Risk	Resilience	Wharekawa Rd RP 3633	92%	Complete	Complete	3	

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
341 - Low Cost Low Risk	Resilience	Long Beach Road RP 294	88%	Complete	Complete	3	
341 - Low Cost Low Risk	Resilience	Powell Road RP92-169	6%	Undertook preliminary site investigation and discussed method to reinstate the damaged pavement	Engage maintenance contractor (FH) to price and programme pavement reinstatement	3	
341 - Low Cost Low Risk	Resilience	Beach Road RO400	12%	Geotechnical peer review, additional site investigation and detailed design started.	Continue additional site investigation and detailed design	3	Design is expected to be complete by June. Thus, the project delivery will start next fiscal year 2021-2022
341 - Low Cost Low Risk	Resilience	Waikare Road - mitigation contract	79%	Construction completed on original scope. More sites confirmed and work to recommence in April 2021.	In construction	3	
341 - Low Cost Low Risk	Resilience	Aucks Road RP2016	12%	Geotechnical peer review, additional site investigation and detailed design started.	Continue additional site investigation and detailed design	3	Design is expected to be complete by June. Thus, the project delivery will start next fiscal year 2021-2022
341 - Low Cost Low Risk	Safety	Keith Kent 20/21 & 21/22 projects. Audible Tactile Profile/Structural Road Markings (HRRR WC341)	18%	Ventia has established on site	On-going construction at various sites	3	
341 - Low Cost Low Risk	Safety	Keith Kent 20/21 & 21/22 projects. Roadside Barriers (Guardrails) and Associated Improvements	6%	Coastline on site	On-going construction at various sites	3	Contractor behind programme establishing on site
341 - Low Cost Low Risk	Safety	Route 1 Kaitaia-Ahipara (Kaitaia Awaroa Rd)	86%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	OPEX including SNP & SPI Project Management	81%			3	Project added to programme November 2020 for delivery through safety team. Updates pending.
341 - Low Cost Low Risk	Safety	Okaihau Triangle between SH1, SH10 and the Mungamuka's	60%	Signages manufacturing and construction/ installation are underway (95% completed)	Complete all sign installation and start road marking work	3	
341 - Low Cost Low Risk	Safety	Kaitaia-Awaroa Rd RP3200	100%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Kaitaia-Awaroa Rd RP5690	100%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Route 7 Matauri Bay Loop Roads	120%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Route 5 Taipa-Kaitaia (Oruru Rd, Fairburn Rd & Peria Rd)	101%	Complete	Complete	3	

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
341 - Low Cost Low Risk	Safety	Route 4 Kerikeri-Okaihau (Wiroa Rd, Waiare Rd, Wehirua Rd & Kerikeri Rd)	67%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Long Beach Road improvement	100%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Route 2 Puketona Junc-Ohaewai (Te AhuAhu & Old Bay Roads)	74%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Panorama Ln Improvements	100%	Complete	Complete	3	
341 - Low Cost Low Risk	Safety	Intersection Upgrade Access Road	#DIV/0!	n/a	n/a	1	Carry-over from 2019/20. Redistribute funds.
341 - Low Cost Low Risk	Seal Extension - Subsidised	Church Rd RP 13317 - 15017	93%	600m sealed, need suitable weather for remaining sealing.	pavement construction, preparation for sealing and sealing of the remainder.	3	Weather is potentially going to be a factor in having the site sealed during April.
341 - Low Cost Low Risk	Seal Extension - Subsidised	Koropewa Rd RP 15 - 1833	62%	pavement overlay and stabilisation performed, awaiting sealing and QA approval. Pavement stabilised awaiting sealing, drying needed	sealing.	3	Weather is potentially going to be a factor in having the site sealed during April.
341 - Low Cost Low Risk	Sealing Chip seal	Parapara Rd 0-250	0%	Updates to be supplied by NTA Maintenance team	Updates to be supplied by NTA Maintenance team	3	
Cycle Trail Unsubsidised	Cycleways	Pou Herenga Tai Cycle Trail NZ Heritage	166%	Engaged with the contractor to start Pou installations.	Finalising the locations to install Pou-pou. And plan to install Pou in April and May	2	Ongoing delays on hapu agreeing location to install Pou is impacting programme. Hence risk of non-delivery this financial year.
Footpath Renewal Unsubsidised	Footpath Renewal	SH12 Opononi	86%	In construction	In Construction	3	
New Footpaths - Unsubsidised	New Footpath	Te Hiku Ward: Foreshore Rd - Tasman Heights to Toilets	0%	Construction commencing Apr 21	Commence construction works package	3	
New Footpaths - Unsubsidised	New Footpath	Kaikohe-Hokianga Ward:Placeholder - Community Board to advise	0%			1	CB have chosen not to spend this surplus. Surplus may be used for overspend on other CB footpath projects.
New Footpaths - Unsubsidised	New Footpath	BOI-Whangaroa Ward: SH11 Kaipatiki Rd to York Rd	0%	Detailed Design is underway	Complete Detailed Design, engaging contractor & start site preparation works	2	Delivery may extend into the next fiscal year
New Footpaths - Unsubsidised	New Footpath	Kaikohe-Hokianga Ward: Kohukohu Road Manning to Marriner	0%	Preparing to commence construction.	Commence construction	3	
New Footpaths - Unsubsidised	New Footpath	Long Beach Road footpath corner to carpark-Russell	100%	Complete	Complete	3	
Redeployment Package	New Footpath	Kaikohe-Hokianga Ward: Kaikohe Footpath Signal Stn Rd, Omapere	104%	Complete	Issue PCC and complete required MSQA Documentations	3	

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities	Risk	Risk Comments
Redeployment Package	New Footpath	BOI-Whangaroa Ward: Length of Blacks Road	100%	Complete	Defects period ends Oct 2021	3	
Redeployment Package	New Footpath	Te Hiku Ward: Donald Ln to WINZ on N Park Drive	100%	Construction commencing Apr 21	Commence construction works package	3	
Redeployment Package	New Footpath	Te Hiku Ward: Foreshore Road, Taipa	118%	Complete	Complete	3	
Redeployment Package	New Footpath	Te Hiku Ward: Point Road, Taipa	164%	Complete	Complete	3	
Redeployment Package	New Footpath	Te Hiku Ward: Mamaru Road	137%	Complete	Complete	3	
Resilience - Unsubsidised	Resilience	Panguru Road	1%	NRC has signed the agreement for Section C and construction is in progress	In construction	3	
Seal Extension - Unsubsidised	Seal Extension	Pungaere Road	43%	about a third of the 3.2km site has been stabilised ready to seal. Pavement construction ongoing.	pavement construction and stabilisation (about 2 km) sealing about 1km, drainage works.	3	Weather is potentially going to be a factor in having the site sealed during April.
Seal Extension - Unsubsidised	Seal Extension	Porotu Rd RP 0 - 1380	79%	Site complete	maintenance	3	complete
Seal Extension - Unsubsidised	Seal Extension	Puketi Rd RP 0 - 1000	74%	Site complete	maintenance	3	complete
Seal Extension - Unsubsidised	Seal Extension	Balance of carry-over amount from 19/20	0%			2	
Special 100% FAR	New Footpath	Tau Henare Drive - Waitangi Trust	81%	Complete	Defects period ends Sep 2021	3	
Special 100% FAR	Sealing Chip seal	Additional funding from Waitangi Trust for Tau Henare Drive (south region)	68%	program 80% complete	chipseal complete, small AC job in Waitangi early April	3	no risk perceived
Walking Facilities - Unsubsidised	New Footpath	Contingency	96%	Contingency for New Footpaths programme. Cost exceeded budget for Signal Station Road and additional budget was used from Walking Facilities (\$56,273.5 has been paid for additional cost for the Road)	Refer Signal Station Road updates	3	

# VENTIA – CONTRACT 7/18/101 ROAD MAINTENANCE AND RENEWALS - MONTHLY REPORT



## EXECUTIVE SUMMARY

With the Easter Bunny done and dusted for another year we can now detox from chocolate and digest another monthly report for the FNDC South Maintenance Contract.

March was wetter than usual creating a stop/start month for most projects. The footpath team spent two weeks out in Omapere placing a brand-new footpath up Waianga Pl and replaced the footpath outside the School. They then jumped across to Kerikeri for the Hunting and Fishing and Hobson Ave pedestrian crossing works. It has been nice standing on site and talking with the residents catching a coffee saying it's great to see some safety improvements at a pedestrian hot spot. This will be a great project once complete. Surfacing is booked for both sites at the end of April.

Our pavement crews have been busy on Koropewa Rd seal extension with every stone now in place with just sealing to complete the works. The same is the case for Pungaere Rd seal extension just up the road. All going well with the weather this week we hope to seal 3km of road before the weekend.

Ruapekapeka Rd PGF seal extension has completed the subbase placement with basecourse, stabilisation and sealing to go in April. Ngapipito Rd enabling works continued through March with some nice batters and water tabling visible.

It was a busy month for our network partners with the sump clearing round, linemarking remark and resurfacing all keeping busy. Unfortunately, as alluded to above the weather has slid the chip sealing programme back with a forecast completion date of 15th April now.

The slip repairs on Waikare Rd were completed by GSI with just pavement stabilisation and sealing left to complete on Waimate North to round out this package of works. Some impressive Engineering works! I recommend popping up Waikare Rd for a nosey over the bank at the soil anchoring and shot creating. The locals are rapt.

Our routine crews were kept busy and are all on top of their respective fields. Grading is starting to make a difference to the corrugations now that the pavement moisture is coming back.

Happy Reading 😊



## WORK PROGRAMME

A total of 2366 individual work items were completed throughout the month of March which 906 were routine find and fix issues, 1337 were cyclic or part of annual rounds, 83 were programmed works, 32 were renewals/capital projects, and 6 were callouts or emergency response works.

April 2021 forward works programme has been submitted in RAMM.

## ROUTINE WORKS COMPLETED

Routine maintenance activities completed in March:

- 138 sealed potholes repaired
- 1502 unsealed potholes repaired
- 227 km of unsealed roads graded equating to 28% of the total unsealed network.

## DRAINAGE MAINTENANCE AND RENEWALS

Drainage maintenance activities completed in March:

- 157 Culvert ends cleared
- 106m of heavy water tabling
- 40m of light water tabling
- 80m Culvert pipes replaced/new



Koranae Rd – Large Concrete Headwall

## ROUTINE INSPECTION REPORT

**Sealed** - There are currently 0 sealed inspections running overdue.

**Unsealed** - There are currently 0 un-sealed inspections running overdue.

**Drainage** - There are currently 56 drainage inspections running overdue.

## ORDERED WORKS

- 727m<sup>2</sup> of footpath replacement/renewal were completed in March.



State Highway 12 (Omapere) – Footpath Replacement



Waianga PI – Brand New Footpath



Riverview Rd/Landing Rd Intersection –  
Footpath Vegetation trimming



Hobson Ave – Footpath Exposing – Not  
delineation treatment designed to make it  
clear for pedestrians where to walk at vehicle  
crossings.

**Slip Repairs (Flood Restoration)**

Pavement has been placed ready for stabilisation and sealing in April on the Waimate North Rd slip repair.

All 3 Waikare Rd slips were started and completed in March.



Waikare Rd – Flood Restoration Works x 2 of the 3 sites

**ROAD FURNITURE ACTIVITY**

- 236 new signs installed or replaced (damaged or missing)
- 286 signposts replaced
- 11 signs re-re-erected or straightened

## STRUCTURES

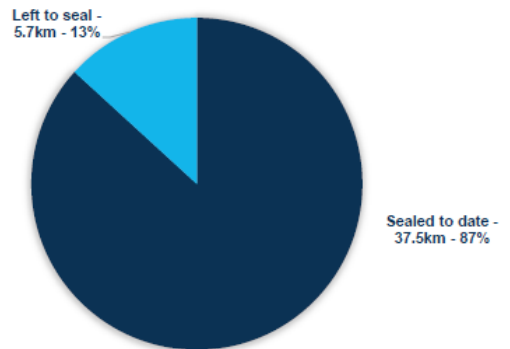
Preparation works including manufacturing complete for Remuera-Settlement Rd and Waimate North Rd, these are book in for repair in early April. No works carried out on structures in March.

## RESEALS/REMARKING

Only 13% of the resurfacing left to complete this season. Unfortunately, the weather wasn't kind to us in the last week pushing the programme in April. One asphalt site in Waitangi (Tau Henare Dr) booked in for late April.

This year's remark included edge line marking and received great feedback from the public. Picture below of Waipapa Rd looking fancy.

### RESEAL LENGTH - KM SEALED



Waipapa Rd – Remark done

## PAVEMENT REHABILITATIONS

### Seal Extensions

Koropewa Rd – RP15 – 1833

Physical Works – Pavement stabilised on 24/3/21 and is currently sitting, waiting to dry out sufficiently before sealing. Sealing is booked in for 8/4/21.



Koropewa Rd – Hibiscus Contractors spreading cement and hoeing

### Pungaere Rd – RP8820 - 12410

Physical Works – All basecourse has been run into site. First section (1.2km) stabilised on 23/3/21 and awaiting dry conditions before sealing. Booked in for 7/4 fingers crossed. The final two sections (both 1.2km each) are booked in for the next two weeks.

Target Completion – 23/4/21 – pushed back due to weather

### Ngapipito Rd – RP3500 - 8435

Physical Works – Water tabling, drainage, and earthworks in progress.

Target Completion – 15/10/21



Ngapipito Rd – Enabling Works in progress

## Ruapekapeka Rd – RP4500 – 5800

Widening works complete and all subbase placed in March. It was a slow month with some realignments made during construction to ensure the road fit the environment as best as possible. Chorus cable is booked in for relocation in mid-April with basecourse to be placed and stabilised/sealed before the end of April.



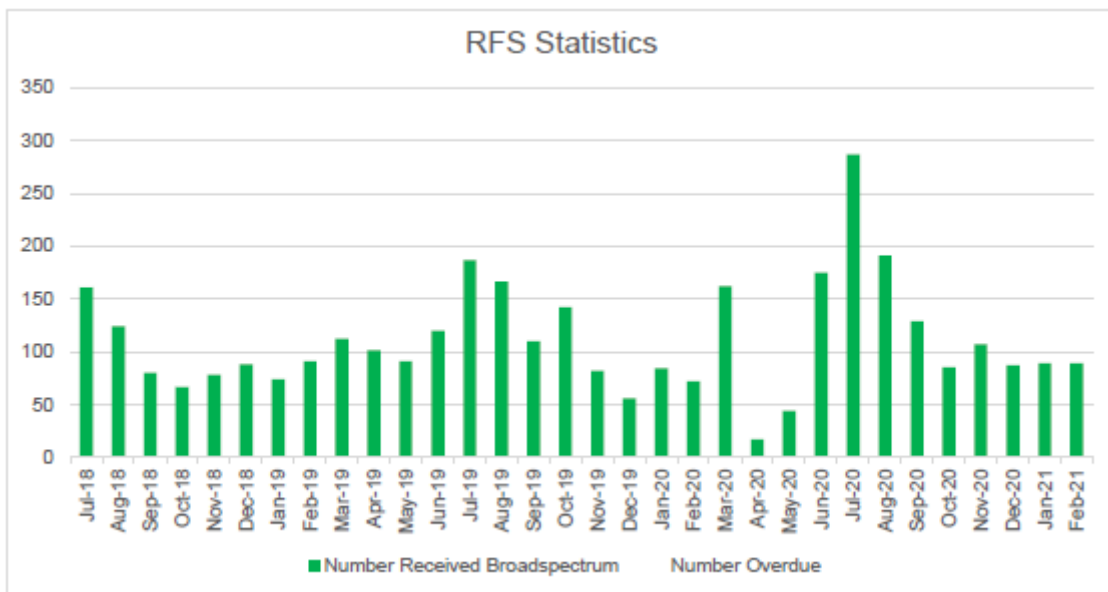
Ruapekapeka Rd – Subbase is down

## ROAD ACCIDENT REPORT

No road accidents to report this month.

## CUSTOMER SERVICE ISSUES/COMPLAINTS

RFS statistics for February were available at the time of this report. Ventia received 89 service requests during February and had 0 overdue. The below graph shows the number of RFS's received by our branch each month during the NTA contract and any overdue.



## COMPLIMENTS

We received the following compliment in March:

### RE: Lodore Rd potholing

Hi Jaco,

A quick thank you for repairing the potholes on Lodore Rd so quickly.

Cheers Josh

## RAMM ISSUES

No RAMM issues in March.

## HEALTH AND SAFETY

No lost time injuries in March. A summary of near misses and incident reports is included as a separate file to this report.

We held a 2-day lifting and slinging course in our yard in March. The team spoke very highly of the course and how much they learnt in such a short space of time versus years of on the job learning. A positive Course



ID	Hazard ID	Date of Hazard ID	Risk Rating	Description	Status
BRS-HAZ39971	Hazard ID - Puketona	05-Mar-2021		Steel pins used to secure timber boxing for a small concrete job were left without and safety caps on.	Closed
BRS-HAZ39997	Hazard ID - Puketona	05-Mar-2021		Operator carrying out routine culvert inspections when approached by a dog, with ill intent, from a nearby property which nearly bit him before he was able to shoo it away.	Open
BRS-HAZ39970	Hazard ID - Puketona	08-Mar-2021		Drainage crew installing culverts on Seal Extension site were getting a lot of dust from trucks passing by to deliver aggregate to another section of the site.	Closed
BRS-HAZ39973	Hazard ID - Puketona	08-Mar-2021		Sealing crew have requested the lighting at the Diesel bowser be replaced/renewed as it is not working which makes refuelling difficult when they have early starts or late finishes, which is very often. Will become more of an issue for general staff with the onset of winter and higher potential for after hours callouts.	Open
BRS-HAZ39998	Hazard ID - Puketona	08-Mar-2021		While driving the loop of the left foot boot lace caught around the foot pedal park brake in the Toyota highlander causing a moment of panic when foot was stuck. Managed to unhook the lace and carry on	Closed
BRS-HAZ39899	Hazard ID - Puketona	11-Mar-2021		Work crew were undertaking task outside the workshop area without completing a Jobstart and not wearing safety eyewear or gloves for manual handling activities	Closed
BRS-HAZ39975	Hazard ID - Puketona	11-Mar-2021		Staff member miss time pulling out from an intersection, did not leave as much gap as he would normally, gave himself a fright, He puts the lapse in concentration down to work pressure, learning a new role.	Closed
BRS-HAZ39976	Hazard ID - Puketona	11-Mar-2021		Worker about to start manual handling task but was not wearing his gloves.	Closed
BRS-HAZ39977	Hazard ID - Puketona	11-Mar-2021		While turning the grader around on the work site the rear extremity of the machine has caught the wires of a post and wire fence adjacent to the road, breaking two wires. Issue was not reported to management until the 12th March.	Open
BRS-HAZ39978	Hazard ID - Puketona	12-Mar-2021		Stone flicked up from grader, while travelling along sealed road between grading work, and struck windshield of oncoming vehicle causing a stone chip. Driver of vehicle has stopped and raised the issue with the grader operator at the time.	Closed
BRS-HAZ40022	Hazard ID - Puketona	17-Mar-2021		Parking 4x2 truck with tandem trailer for tractor broom attached, reversed slightly to straighten out the trailer and just made contact with a mail box, no damage. Sub-contracted to downers with the Puketona sealing crew.	Closed
BRS-HAZ40145	Hazard ID - Puketona	22-Mar-2021		Electrical lead for bulk bitumen trailer has shorted where it plugs in to the power box melting the plastic of the plug.	Closed
BRS-HAZ40146	Hazard ID - Puketona	22-Mar-2021		Traffic controller sitting on power box at side of road looking at cell phone.	Closed
BRS-HAZ40147	Hazard ID - Puketona	22-Mar-2021		Rubbish, bottles & food wrappers left in roller behind the seat.	Open
BRS-HAZ40261	Hazard ID - Puketona	22-Mar-2021		Scala Penetrometer had cracked/break in shaft at thread where the two sections join together.	Closed
BRS-HAZ40262	Hazard ID - Puketona	23-Mar-2021		Sealing crew asked to sweep a stabilized patch before sealing, due to weather patch was very dry and dusty. Road Sweeper operator was reluctant to sweep as there were houses adjacent to the site and requested that the patch be damped down to avoid the dust blowing onto nearby houses.	Open
BRS-HAZ40291	Hazard ID - Puketona	29-Mar-2021		Steel mudguard bracket/Guard has fallen off in transit from 3axle trailer 117NI while carting aggregate. Operator has noticed and stopped to retrieve the bracket & guard. As per the attached photo's this is fatigued and has been welded up previously.	Open

ID	Event	Date of Event	Type	Description	Risk Rating	Potential Consequence	Likelihood	Status	BRS Injury Classification
BRS-INC188732	Non Work Related - Moderate - 8 - Puketona	18-Mar-2021	Non Work Related	AWF Labourer suffered a medical event on site and an Ambulance was called by colleagues, the IP was taken to Hospital for evaluation.	Moderate - 8	Major - 4	Unlikely - 2	Open	Report Only
BRS-INC188743	Injury Sustained (Gelaw, Mekaekael Endawoke) - Moderate - 6 - Puketona	18-Mar-2021	Injury Sustained	REPORT ONLY. IP assisting concrete crew with reinstatement works, backfilling top-soil behind new footpath, pushing wheelbarrows of soil over two days, 15th-18th March, on the 3rd day, 17th March he has had some discomfort/pain in his back between shoulders that has moved into his left shoulder. He has raised this issue with his manager on Thursday 18th March, the manager has sent him to the doctors as a precautionary measure to get checked out.	Moderate - 6	Minor - 2	Possible - 3	Open	Report Only

## ENVIRONMENT

In March we had no notifiable incidents to report.

NRC audited our environmental controls on the Ruapekapeka Rd seal extension for a second month in a row with all 3 sites compliant on inspection.



Ruapekapeka Rd – Detention Pond

## ANNUAL ROUTINE ACTIVITY ACHIEVEMENT

Routine and cyclic rounds start at the financial year.

Biennial Painting of All Rails	0% completed
Biennial Parapet Painting of Bridges	0% completed
Annual Cleaning of EMP's	0% completed
Annual Sucking of All Sumps	4% completed
Biannual sweeping	68% completed
Urban Vegetation Spraying	72% completed
Rural Vegetation Spraying	90% completed

## COMMUNITY ENGAGEMENT

In March 3 of our team helped set up and manage traffic control for the Festival held in Kaikohe at the Air strip.





**FULTON HOGAN -  
NORTH AREA  
MAINTENANCE  
NETWORK  
CONTRACT  
7/18/100  
MONTHLY  
REPORT**



## REHABS

- Pawarenga Road – Complete



### Far North District Council Church Road Seal Extension



Report No.18 for week ending 7th March 2021

Programmed Task:	Status:	Due Date:	Completed:
FWP Confirmation	Complete.	31/03/2020	23/06/2020
Investigation & Testing	Complete.	14/08/2020 (NTC) 15/11/2020 (NTA Advised)	09/12/2020
Drawings	Complete.	30/09/2020 (NTC)	11/02/2020
Design	Complete.	30/09/2020 (NTC)	21/12/2020
Schedule of Prices	Complete.		17/12/2020
Safety Audit	Complete.	26/02/2021	26/02/2020

### Completed this week

Day	Programmed Task	Comment
Monday	Pavement overlay. Build ROQ shoulders.	Pavement Tie-in completed at SH10 end.
Tuesday	Pavement overlay Build ROQ shoulders.	As planned.
Wednesday	Pavement overlay. Pavement tie-in.	Pavement overlay as planned. ROQ in shoulders completed. Subsoil drainage installed for water issue.
Thursday	Pavement overlay Pavement tie-in.	Pavement overlay as planned. Widening completed for guardrail.
Friday	Pavement overlay Tidy tip site and transport digger away.	All works stopped, unable to access quarry due to Tsunami evacuation.

### Programmed for next week

Day	Task	Comment
Monday	Pavement overlay. Build shoulder for guardrail.	
Tuesday	Pavement overlay. Build shoulder for guardrail.	
Wednesday	Stabilise Section 1 (1km from SH10 end)	
Thursday	Prep Section 1 for seal.	

Friday

Prep Section 1 for seal.

### General Comments

This week the majority of the metal was run into the site, with 6,000m<sup>3</sup>+ of GAP40 now carted to site. ROQ shoulder widening's were completed along with the pavement tie in at the SH10 end of the site. A subsoil drain was installed, due to water percolating above the pan, and into the basecourse. A guardrail design was scoped and the shoulder widening's required for the guardrail install were started (50% complete).

Section 1, from the SH10 intersection, to 1km back, will be topped up to level and stabilised next week (Tuesday or Wednesday, TBC due to Tsunami Evacuation delay on Friday).



Figure 1: Pavement tie in at SH10



Figure 2: ROQ shoulder widening



Figure 3: Water flow up through basecourse requiring subsoil drainage

### Investigation, Testing and Design

Programmed Task:	Status:	Due Date:	Completed:
FWP Confirmation	Complete.	31/03/2020	23/06/2020
Investigation & Testing	Complete.	14/08/2020 (NTC) 15/11/2020 (NTA Advised)	09/12/2020
Drawings	Complete.	30/09/2020 (NTC)	11/02/2020
Design	Complete.	30/09/2020 (NTC)	21/12/2020
Schedule of Prices	Complete.		17/12/2020
Safety Audit	Complete.	26/02/2021	26/02/2020

### Completed this week

Day	Programmed Task	Comment
Monday	Pavement overlay. Build shoulder for guardrail.	As planned.
Tuesday	Pavement overlay. Build shoulder for guardrail.	As planned.
Wednesday	Stabilise Section 1 (1km from SH10 end)	As planned.
Thursday	Prep Section 1 for seal.	As planned.
Friday	Prep Section 1 for seal.	As planned.



Figure 4: Section One Plateau testing in progress



Figure 5: Section One Stabilising in progress



Figure 6: Section One Prepping for seal



Figure 7: Section One Prepping for seal

## Programmed for next week

Day	Task	Comment
Monday	Prep Section 1 for seal.	
Tuesday	Prep Section 1 for seal.	
Wednesday	Prep Section 1 for seal.	
Thursday	Prep Section 1 for seal. Overlay Section 2.	
Friday	Prep Section 1 for seal. Overlay Section 2.	



## Far North District Council Church Road Seal Extension



Report No.21 for week ending 28<sup>th</sup> March 2021

## Investigation, Testing and Design

Programmed Task:	Status:	Due Date:	Completed:
FWP Confirmation	Complete.	31/03/2020	23/06/2020
Investigation & Testing	Complete.	14/08/2020 (NTC) 15/11/2020 (NTA Advised)	09/12/2020
Drawings	Complete.	30/09/2020 (NTC)	11/02/2020
Design	Complete.	30/09/2020 (NTC)	21/12/2020
Schedule of Prices	Complete.		17/12/2020
Safety Audit	Complete.	26/02/2021	26/02/2020

## Completed this week

Day	Programmed Task	Comment
Monday	Prep Section 1 for seal. Overlay Section 2.	As planned.
Tuesday	Test Section 1 prior to seal. Overlay Section 2.	As planned.
Wednesday	Prep Section 1 for seal. Stabilise Section 2.	As planned.
Thursday	Seal Section 1. Prep Section 2 for seal.	Section 1 seal postponed
Friday	Seal Section 1. Prep Section 2 for seal.	Section 1 seal postponed.



## Programmed for next week

Day	Task	Comment
Monday	Hold Section 1 for seal. Prep Section 2 for seal.	
Tuesday	Hold Section 1 for seal. Prep Section 2 for seal.	
Wednesday	Hold Section 1 for seal. Prep Section 2 for seal.	
Thursday	Hold Section 1 for seal. Prep Section 2 for seal.	
Friday	Hold Section 1 for seal. Prep Section 2 for seal.	

## General Comments

This week Section 2 was successfully stabilised and Section 1 was prepped for seal. Driveway construction was also completed. The sealing of Section 1 was postponed due to the DOS.

Next week Section 2 will be prepped for seal, and Section 1 will be held for seal.



Figure 8: Section Two Stabilising in Progress



Figure 9: Section Two Stabilising in Progress



Figure 10: Section Two Stabilising in Progress



Figure 11: Section Two Stabilising in Progress

## General Comments

This week, Section One was topped up to level and stabilised on Wednesday. Guardrail widening's were completed on Tuesday. The rest of the week was spent compacting and trimming Section One.

Next week Section One will continue to be prepped for seal. Once drag brooming is underway, then the overlay in Section Two will be continued, ready for stabilisation the following week.

## Health and Safety / OFI's / FNDC Site Visits

# Peria Rd Seal Extension



## Far North District Council Peria Road Seal Extension



Report No.26 for week ending 17<sup>th</sup> March 2021

## Investigation, Testing and Design

Program Task:	Status:	Due Date:	Completed:
Site confirmation in FWP		31/03/2020	02/07/2020 (NTC)
Investigation and Testing:	FH Commenced 16/07/2020	FNDC to supply by 14/08/2020 (NTC)	FH Completed 15/09/2020
Drawings:		30/09/2020 (NTC)	
Section One	Complete.	01/11/2020	Issued 31/10/2020.
Section Two	Complete.	21/11/2020	Issued 23/11/2020.
Section Three	Complete.	12/12/2020	Issued 16/12/2020.
Section Four	Complete.	15/01/2020	Issued 22/01/2020.
Section Five	Complete.	3/01/2020	Issued 22/02/2020.
Pavement Design:	Complete.	30/09/2020 (NTC)	Issued 29/10/2020.
Schedule of Prices:	Complete.	20/11/2020	Issued 24/11/2020.
Safety Audit:			
Section One	Complete		7/12/2020
Section Two	Complete		7/12/2020
Section Three	Complete		09/02/2020
Section Four	Complete		09/02/2020
Section Five	Complete		02/03/2020

## Completed this week

<i>Monday</i>	Prep Section Three for seal Rock wall construction Section Four Drainage Section Four Clearing Section Five	As planned.
<i>Tuesday</i>	Prep Section Three for seal Rock wall construction Section Four Drainage Section Four Clearing Section Five	As planned.
<i>Wednesday</i>	Prep Section Three for seal Rock wall construction Section Four Drainage Section Four Clearing Section Five	Bridge undercut completed in Section Four instead of Clearing.
<i>Thursday</i>	Prep Section Three for seal Rock wall construction Section Four Drainage Section Four Clearing Section Five	Bridge undercut completed in Section Four instead of Clearing.
<i>Friday</i>	Prep Section Three for seal Rock wall construction Section Four Drainage Section Four Clearing Section Five	NDT testing of Section Three completed as planned. All other worked stopped due to being in low lying areas.

### Programmed for next week

<i>Day</i>	<b>Task</b>	<b>Comment</b>
<i>Monday</i>	Seal Section Three Rock wall construction Section Four Shoulder Undercuts Section Four Bridge Undercut Section Four Drainage Section Five	
<i>Tuesday</i>	Seal Section Three Rock wall construction Section Four Shoulder Undercuts Section Four Headwalls Section Four Drainage Section Five Clearing Section Five	
<i>Wednesday</i>	Overlay Section Four Rock wall construction Section Four x 2 Drainage Section Five Clearing Section Five	
<i>Thursday</i>	Overlay Section Four Rock wall construction Section Four x 2 Drainage Section Five Clearing Section Five	
<i>Friday</i>	Overlay Section Four Rock wall construction Section Four x 2 Drainage Section Five Clearing Section Five	

## General Comments

Section 3 was prepped for seal this week, and is programmed for seal on Monday 05/03. All culvert replacements were completed in Section 4, and the bridge undercut in Section 5 was also completed. Rock wall construction continued in Section 4, with one of the four remaining rockwalls in Section 4 now complete.

Next week pavement works will continue in Section 4, along with headwall and rock wall construction. Clearing and drainage will continue in Section 5.

All investigation and design is now complete, with the final safety audit delivered this week.

## Health and Safety / OFI's / FNDC Site Visits

Type	Detail	Follow up
Cable damage	A large tree stump was removed from inside of bend in Section 4. Roots were heavily wrapped around Copper telecom cable, and the cable broke when the stump was removed.	Cable was fixed the same day. Chorus technician removed the root bound section and relayed the cable in the road.
Traffic Delays & Heat Exposure (motorists waiting in hot cars) due to culvert replacement	FH H&S Manager noted that traffic queues were too long in hot weather. 21 minute delay while cross road culvert was replaced.	Internal investigation completed. Additional shoulder widening required on each remaining culvert replacement, to ensure a traffic lane is open where possible, to minimise delays. Bridge undercuts to be monitored closely.



Figure 12: Section Four Bridge Undercut in progress



Figure 13: Section Four Bridge Undercut

### Investigation, Testing and Design

Program Task:	Status:	Due Date:	Completed:
Site confirmation in FWP		31/03/2020	02/07/2020 (NTC)
Investigation and Testing:	FH Commenced 16/07/2020	FNDC to supply by 14/08/2020 (NTC)	FH Completed 15/09/2020
Drawings:		30/09/2020 (NTC)	
Section One	Complete.	01/11/2020	Issued 31/10/2020.
Section Two	Complete.	21/11/2020	Issued 23/11/2020.
Section Three	Complete.	12/12/2020	Issued 16/12/2020.
Section Four	Complete.	15/01/2020	Issued 22/01/2020.
Section Five	Complete.	3/01/2020	Issued 22/02/2020.
Pavement Design:	Complete.	30/09/2020 (NTC)	Issued 29/10/2020.
Schedule of Prices:	Complete.	20/11/2020	Issued 24/11/2020.
Safety Audit:			
Section One	Complete		7/12/2020
Section Two	Complete		7/12/2020
Section Three	Complete		09/02/2020
Section Four	Complete		09/02/2020
Section Five	Complete		02/03/2020

### Completed this week

Day	Programmed Task	Comment
<i>Monday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	As planned.
<i>Tuesday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	As planned.
<i>Wednesday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	1 x excavator operator away. Subsoil drainage completed in Section 4.
<i>Thursday</i>	Overlay Section Four	1 x excavator operator away.



	Rock wall construction Section Four x2 Headwalls Section Four Clearing Section Five	
<i>Friday</i>	Overlay Section Four Rock wall construction Section Four Scour protection Section Four Headwalls Section Four Clearing Section Five	As planned.

### Programmed for next week

<i>Day</i>	<b>Task</b>	<b>Comment</b>
<i>Monday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	
<i>Tuesday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	
<i>Wednesday</i>	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	
<i>Thursday</i>	Overlay Section Four Rock wall construction Section Four x2 Headwalls Section Four Clearing Section Five	
<i>Friday</i>	Overlay Section Four Rock wall construction Section Four Scour protection Section Four Headwalls Section Four Clearing Section Five	

### General Comments

This week the majority of the overlay was completed in Section Four, and 3-4 excavators were on site for the week completing rock wall construction, subsoil drainage, culvert replacements and clearing.

Next week the pavement crew will complete the overlay in Section Four, aside from two sections adjacent to the rock wall construction. Driveways in Section Four will be completed, and shoulder undercuts in Section Five will be completed if time allows. Rock wall construction is programmed to be completed in Section Four by the end of the week, if weather allows. Headwall construction will also be completed in Section 5.



Figure 14: Section Four earthworks in preparation for rock wall



Figure 15: Section Four Overlay in progress



Figure 16: Section Five Tip site seal in progress



Figure 17: Section Five Tip site in progress



Figure 18: Section Five clearing in progress



Figure 19: Section Four rock wall construction in progress



Figure 20: Section Four Overlay in Progress

### Investigation, Testing and Design

Program Task:	Status:	Due Date:	Completed:
Site confirmation in FWP		31/03/2020	02/07/2020 (NTC)
Investigation and Testing:	FH Commenced 16/07/2020	FNDC to supply by 14/08/2020 (NTC)	FH Completed 15/09/2020
Drawings:		30/09/2020 (NTC)	
Section One	Complete.	01/11/2020	Issued 31/10/2020.
Section Two	Complete.	21/11/2020	Issued 23/11/2020.
Section Three	Complete.	12/12/2020	Issued 16/12/2020.
Section Four	Complete.	15/01/2020	Issued 22/01/2020.
Section Five	Complete.	3/01/2020	Issued 22/02/2020.
Pavement Design:	Complete.	30/09/2020 (NTC)	Issued 29/10/2020.
Schedule of Prices:	Complete.	20/11/2020	Issued 24/11/2020.
Safety Audit:			
Section One	Complete		7/12/2020
Section Two	Complete		7/12/2020
Section Three	Complete		09/02/2020
Section Four	Complete		09/02/2020
Section Five	Complete		02/03/2020

### Completed this week

Day	Programmed Task	Comment
Monday	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	As planned.
Tuesday	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five Clearing Section Five	As planned.
Wednesday	Overlay Section Four Rock wall construction Section Four x2 Drainage Section Five	As planned.

	Clearing Section Five	
<i>Thursday</i>	Overlay Section Four Rock wall construction Section Four x2 Headwalls Section Four Clearing Section Five	As planned.
<i>Friday</i>	Overlay Section Four Rock wall construction Section Four Scour protection Section Four Headwalls Section Four Clearing Section Five	As planned.

### Programmed for next week

<i>Day</i>	<b>Task</b>	<b>Comment</b>
<i>Monday</i>	Overlay Section Four Drainage Section Five Clearing Section Five	
<i>Tuesday</i>	Bridge Undercuts Section Five Drainage Section Five Clearing Section Five	
<i>Wednesday</i>	Bridge Undercuts Section Five Drainage Section Five Clearing Section Five	
<i>Thursday</i>	Bridge Undercuts Section Five Drainage Section Five Clearing Section Five	
<i>Friday</i>	Shoulders Section Five Drainage Section Five Clearing Section Five Rockwalls Section Five	

### General Comments

This week the rock walls were predominantly completed in Section Four, along with culvert headwalls and rip rap scour protection. The overlay for Section Four was also predominantly completed, with the last of the overlay completed in the rock wall sections.

Next week the pavement crew will complete the bridge undercuts in Section 5 and the shoulder undercuts. The clearing in Section 5 will also be completed.

Due to the upcoming public holidays, stabilisation of Section 4 is booked for Tuesday 6<sup>th</sup> and Wednesday 7<sup>th</sup> of April.



Figure 21: Section Four Rock wall construction



Figure 22: Section Four Scour Protection





Figure 23: Section Four Scour Protection



Figure 24: Section Four Drainage



Figure 25: Section Five clearing in progress



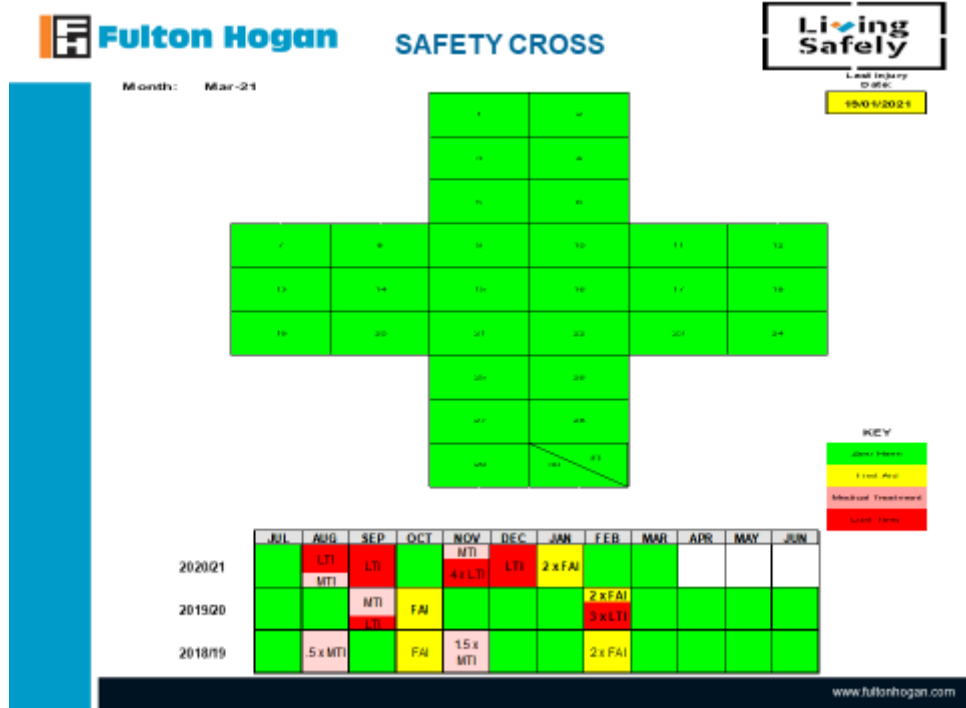
Figure 26: Section Five clearing in progress



Figure 27: Section Four Rock wall complete

# HEALTH & SAFETY

No injuries this month.



Type	# during period	# to date	Days since last incident
Lost time injury (LTI)	0	2	200
Medical Treatment Case (MTC)	0	0	1007
First Aid Injury (FAI)	0	0	1007

## QUALITY AND TRAINING

### Environmental non-compliance notices issued

- Nil non-compliances to report.

### Notice to Contractor issued

- NTC 62 Te Hiku Footpath Scope Reduction
- NTC 63 EOT for Church Rd
- NTC 64 Pangaruru Flood Mitigation Section C

### Training

- Inductions for Subcontractors.
- Living Safely Managing Safely

### RAMM Issue for the month

- Nil.

## FEEDBACK

*RFS4053665*

*Jenny phoned to thank FH employee Mark Sibley and AWF employee Daniel for the job they did on Bridge G11. This bridge was dangerous and they used their initiative to make it safe.*

## MARCH PROGRAMME

The maintenance activities programmed for April 2021 relate to routine sealed and unsealed maintenance activities such as grading, sealed and unsealed potholes, unsealed road metaling etc.

- The Pawarenga Road Pavement Rehabilitation: Completed.
- Church Rd Seal Extension: stabilize and seal second half of site.
- Peria Rd: Stabilise and seal section 4 run in remainder of metal for section 5.
- West Coast Rd Road Raising Contract: Run in metal stabilise and seal.



**WAKA KOTAHI NZ  
TRANSPORT  
AGENCY -  
NORTHLAND  
ACTIVITY UPDATE**



Activity	2018-21 NLTP	Completion	Progress	Commentary
State highway maintenance, operations and renewals	\$75.40M	85%	Green	Waka Kotahi has commenced this year's programme and completed the works deferred due to COVID19. Our finalised programme is complete. Rehad and SCRIM sites completed.
Low Cost / Low Risk	\$5.3M	85%	Green	<p><b>Far North District Council Projects</b></p> <p><b>Resilience projects:</b> SH1 Otiria Flood Mitigation physical works on-going – the removal of rubbish and discovery of asbestos has had an impact on planned works. SH10 Bushpoint works completed.</p> <p><b>Safety projects:</b> Moerewa Pedestrian Safety raised platform pedestrian crossing detailed design being completed following feedback from community construction planned for late April. Kaeo Pedestrian Safety installation completed.</p> <p><b>Walking and Cycling Projects:</b> SH11 Haruru Falls Design – geotechnical works review completed. NTA are completing detail design including line-marking and funding has been secured through FNDC and physical works to be carried out by NTA. SH12 Omapere to Opononi 3km – Building a shared user path due to the limited information monies will be spent on a detailed design to encompass stormwater and drainage this financial year so we have a project that is ready for construction when funding is available. SH1 Kawakawa Ped Crossing – A pre-lim design has been completed for a raised platform working with FNDC Innovative Streets Project team. The team are completing a detailed design following community feedback ready for physical works this financial year.</p> <p><b>Kaipara District Council Projects</b></p> <p><b>Resilience:</b> SH12 Oparakau Slip – Building 2 small retaining walls on this section of state highway that has under TSL for the last year. Contract has been let and works started. SH12 Signs &amp; Delineation West of Maungaturoto completed.</p> <p><b>Other</b></p> <p>Four projects are to be delivered this financial year with signage targeting safety on SH15, SH11, SH10 and SH1 Cape Reinga. Physical work on-going. Mangamuka Gorge: Work is progressing well, but the Gorge remains closed (due to slips from the July 2020 storm). Work is now proceeding on a retaining wall and road widening at the main slip, with sealing of some gravel surface areas due soon. We allowed convoys of light vehicles through the Gorge at Easter and we are looking at the possibilities for limited openings going forward. Successful opening over Easter and the team are looking for opportunities to open planning for ANZAC weekend. Approximately 1,000 vehicles used the Easter opportunity with great compliance. <a href="#">SH1 Mangamuka Gorge   NZ Transport Agency</a></p>
SH1: Dome Valley Safety Improvements	\$31.7M	Late-2021	Green	Approximately 2.2km of flexible median safety barrier was installed south of Wayby Valley Road just prior to Easter. Work continues in stages 3 and 5, either side of the Dome peak. This work is planned to be completed early 2022. <a href="#">SH1 Dome Valley   NZ Transport Agency</a>
Northland speed review		2021	Green	We have begun engagement with some of the local iwi, hapu and key stakeholders on our next round of speed reviews in Northland. We will continue to engage over the coming months, including with local communities. SH10 Awanui to Kaingaroa - we are working through consultation feedback and the technical assessments of the corridor to help inform our final decision on the proposed speed limit. <a href="#">Speed Review Locations   NZ Transport Agency</a>
SH1 Whangārei to Te Hana - Whangārei to Port Marsden Highway - NZ Upgrade Programme - Port Marsden Highway to Te		Late – 2027/8	Green	First two community information events were held in late-February, with targeted consultations programmed to roll out from late-May (on design elements such as intersections and walking/cycling provision). All collateral prepared to date is published on the Waka Kotahi website. Geotech investigations, site walkovers, survey and environmental monitoring are programmed to get underway mid-April. The preferred option will be confirmed by late-2021, through the development of the Single Stage Business Case (SSBC).

Activity	2018-21 NLTP	Completion	Progress	Commentary
Hana				Lodgement of Notice of Requirement and resource consents is currently programmed for early-2022, with construction programmed to commence in late-2023/24. The Port Marsden Highway to Te Hana section is not funded by the NZ Upgrade Programme and therefore funding is required to complete the SSBC. <a href="#">Whangarei to Te Hana   NZ Transport Agency</a> <a href="#">Whangarei to Port Marsden Highway</a>
SH1 Whangārei to Wellsford Standard Safety Intervention (Road to Zero)	\$4M	Underway	Green	Pre-implementation underway for Central (Port Marsden Highway to Schultz Road) and Southern (Piroa Stream Bridge to Wellsford). Some light construction (rumble strips etc) will commence from mid-2021, with main construction expected to commence mid-2022 (subject to funding and approvals). <a href="#">SH1 Whangarei to Wellsford   NZ Transport Agency</a>
SH1 Warkworth to Wellsford		Route protection	Green	On 25 March Auckland Council granted resource consents, subject to conditions, for the Warkworth to Wellsford project. Council has also recommended Waka Kotahi confirm the Warkworth to Wellsford Notice of Requirement (NoR) which will complete the route protection phase for this project and provide long term certainty to the adjacent communities. Waka Kotahi does not anticipate any works on the corridor commencing this decade. Appeals to the Environment Court on the resource consent decision are still possible and must be lodged by 19 April. If any appeals are received the finalisation of the NoR decision and appeal time frames will potentially extend through to June 2021. <a href="#">SH1 Warkworth to Wellsford</a>
SH1 Loop Road Safety improvements	\$48.76M	Early 2022	Amber	Road sealing works are underway to complete the eastern side of SH1 north of the roundabout and the widened road shoulder on Otaika Valley Road. Finishing works in April also include footpaths near the roundabout, signage installation and traffic island construction. Consent hearing for the dual-lane scheme (additional southbound lane and new bridge) was held in March and Council's decision on resource consents, and recommendation of NoR decision, is pending. <a href="#">SH1 Loop Road Safety Improvements   NZ Transport Agency</a>
SH10 Kaeo bridge	\$32.6M	Late 2022	Amber	Confirmation of additional funding is required before construction can commence. Resource consents have been approved by Far North District Council and Northland Regional Council. Property agreements have been signed, an archaeological authority has been issued and a wildlife permit has been granted. We are working with local iwi/hapū on cultural design elements. <a href="#">Kaeo Bridge   NZ Transport Agency</a>
SH10 Waipapa corridor improvements	\$24.5M	Early 2021	Green	Most works (roundabout, SH10, Waipapa Road and Skippers Lane) for this project are complete. A final layer of asphalt will be laid in March after some weather delays. We are working with local hapū on cultural design elements. Construction of a bridge over the Whiriwhiritoa Stream begins this month. Work is progressing on the new carpark at the end of Waipapa Loop Road. Completion date for this project is scheduled for May/June 2021. <a href="#">SH10 Waipapa Corridor Improvements   NZ Transport Agency</a>
SH1/11 Kawakawa intersection improvements (NZ Upgrade Programme)	\$6M	Mid 2021	Green	Traffic flowing through operating roundabout. Construction of retaining wall making good progress, with manufacture of carved panels underway. Other cultural design elements (pou, kōhatu) have been discussed and planned with local iwi.
SH10/11 Puketona Junction intersection improvements (NZ Upgrade Programme)	\$15M	Mid 2021	Green	Roundabout now operating. Majority of asphaltting has been completed. We are working with local hapū on cultural design elements. Construction scheduled for completion by May 2021.
SH12 Rawene Road intersection improvements (NZ Upgrade Programme)	\$0.5M	May 2021	Green	Construction of safety improvement elements has received funding. Work on safety barriers and shoulder widening began in early April.



# 3 WATERS OPERATIONS

Water, wastewater and storm water in alliance with Far North Waters. To enable an integrated and flexible approach to Water Management.

## EXECUTIVE SUMMARY

- During the month of March, Far North Waters experienced no LTIs or MTIs, and is currently operating with 1,281 days LTI free.
- 427 requests for service (RFS) call outs in March, up from 328 in February and 422 in January.
- 3 Sewer spills incidents have been reported to NRC, DHB and FNDC. All those blockages have been cleared with the water blaster, they include: Rawene, between the Hospital and the WWTP, SH10 Coopers beach, and Pukepoto Road Kaitaia.
- Training plan is in place for 2021: mandatory training (First Aid, Confined Space, Traffic Management, Crane, Working at Heights) also technical training.



## CHALLENGES

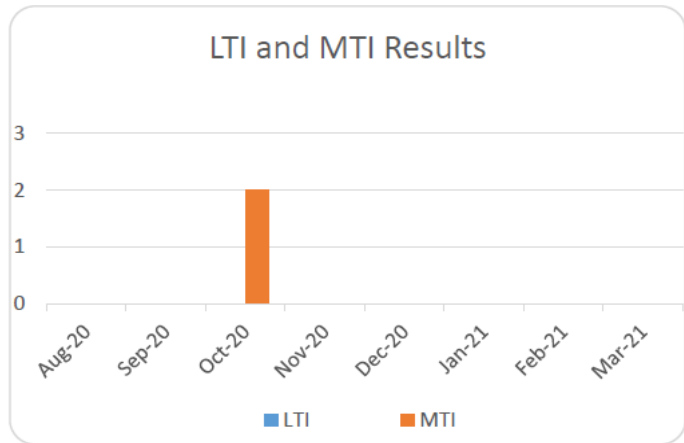
- **Kawakawa water leak** – on 4th March, following a water leak repair late in the night on Albert Street, some customers did not have water the following morning because one valve was still turned off. Procedures have been reviewed to avoid this situation in future.
- **Kerikeri LPS** – multiple issues with pump stations, part in those feeding Stone Store Booster Pumpstation. Issues have been escalated to FNDC and then to the contractor in charge of the LPS installation for FNDC. The contractor did not respond on time, and FNW maintained a sucker truck the Friday night and all weekend.
- **Waipapa** – FNW investigation of the response to dirty water complaint in early March is complete and the draft report present to FNDC for approval of the ALT.
- **Okaihau new bore** – levels of Iron and Manganese is higher than the DWS criteria; this has been raised with FNDC. A design is required for additional inlet works to remove manganese.
- **Wairoro Dam (Tairare Hills WTP, Kaikohe)** – an algal bloom has put water outside of DWS criteria. NDHB has been advised. It has been decided to bypass the dam and to pump water direct from the river until further notice. The dam needs to be cleaned and the issues with the dam leakage sorted.
- **Old Oak PS, Mangonui** - H&S incident. FNW employee received an electrical choc, fortunately with no injury. An investigation has been completed and 18 pump station switch boards have been identified that must be upgraded. In progress.

## RISK

- An incident at a pumping station has resulted in identification of potentially serious issues associated with electrical switchboards at a significant number of the pump stations throughout the district. These require urgent attention.
- The management of the district telemetry and SCADA upgrade project has been taken over by the Projects team and is progressing again.
- The MEX asset maintenance programme is still being interrogated by the Asset Manager and will continue to be for some time. Current maintenance programmes are being assessed and evaluated for appropriateness and completeness.
- Alternative methods of assigning works orders to field staff are being evaluated with a view to utilising the existing GoCanvas platform to replace the current paper-based process.

## HEALTH AND SAFETY

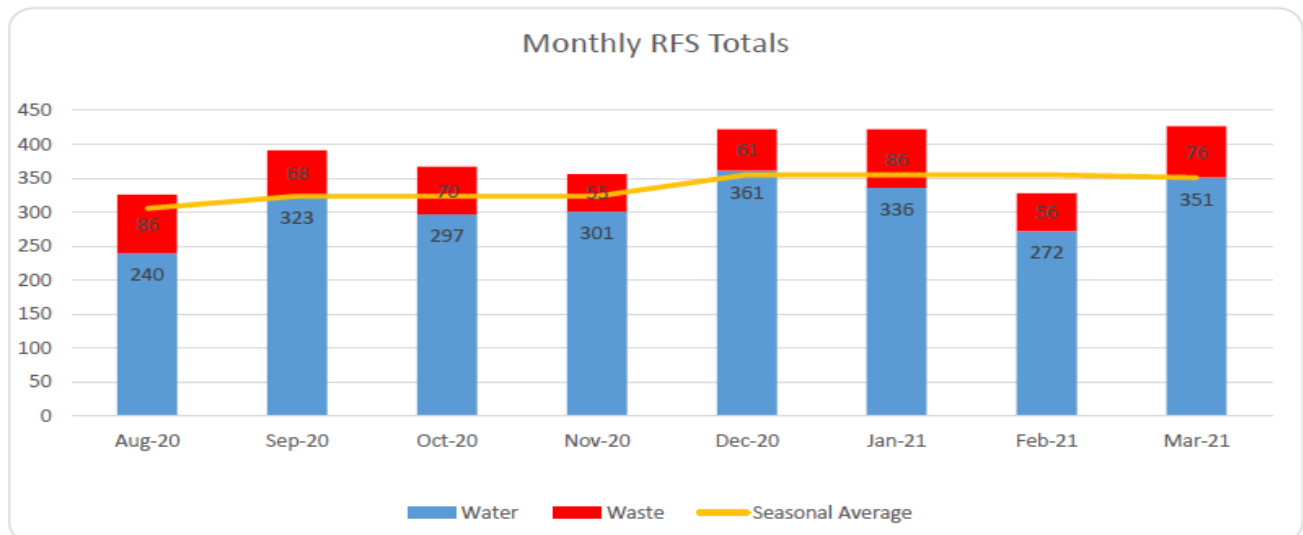
- Risks and Opportunities
  - Risk - Wellbeing of staff members physical health
  - Risk - Mobile plant and vehicles VOC's
  - Risk – Non-electrical workers accessing electrical cabinets – toolbox meetings.
- Key Activities:
  - HSE Field staff meeting scheduled 11 March
  - Regional HSE meeting scheduled 30 March
  - Hep A&B vaccination program (blood tests - ongoing)



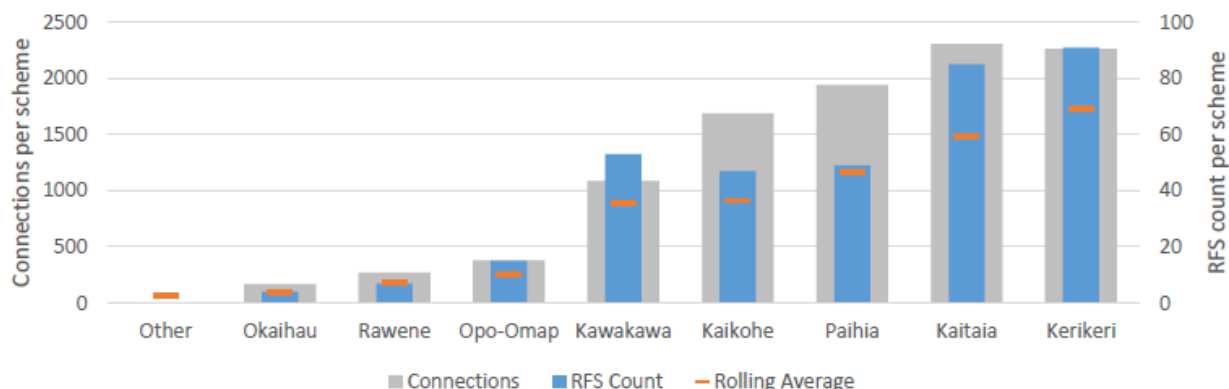
Incident ID	Incident Date	Incident Type	Severity	Description
BRS-INC188617	09/Mar/2021	First Aid Injury	Low 4	Dust entered eye while loading truck with metal.
BRS-INC188733	12/Mar/2021	Public Liability Reputation	Moderate 5	"Boil water" notice issued for Waipapa by the client as a result of water testing identifying E. coli in a water pipeline
BRS-INC188826	24/Mar/2021	Close Call	High 15	Electrical cabinet, the IP received an electrical shock
BRS-INC188888	25/Mar/2021	Environment	Low 4	Potential Archaeological accidental discovery

## CUSTOMERS

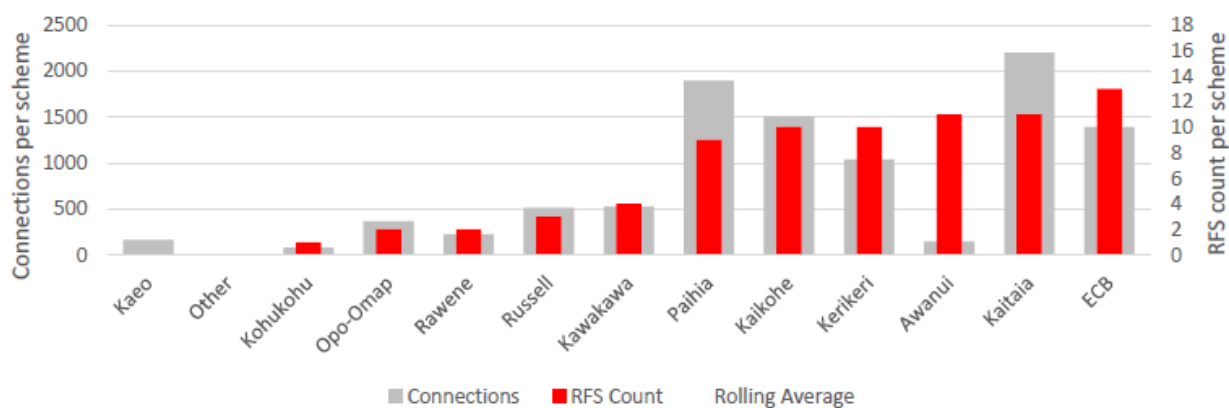
The request for service (RFS) total for January was 427, the highest count since the beginning of the new financial year. The total for March 2020 was 415, and March 2019 was 408.



Water RFS and connection count per scheme



Wastewater RFS and connection count per scheme



## PROJECTS

- The current focus is to continue to complete the work in hand by the end of June 2021 including Stormwater work.
- Kawakawa WTP – the audit has been completed and the plant passed with very positive feedback from the auditor.
- A program has been developed for the 2020-2021 schedule of work. Other work will be required to meet targets.

### Current focus:

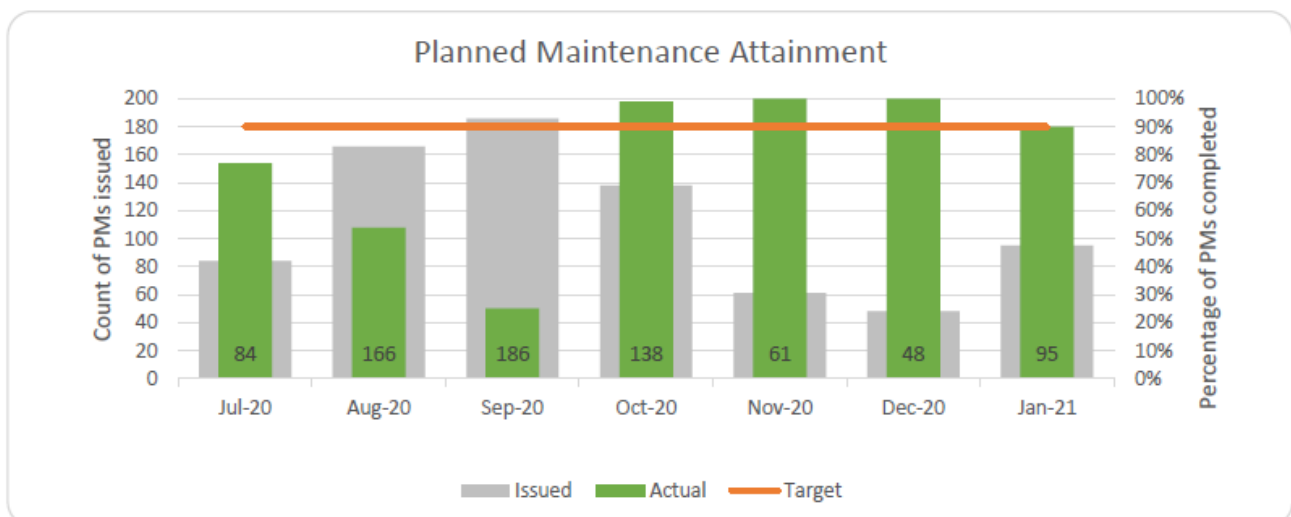
- **Telemetry Project** – We have met with several suppliers for this project and we are now ready to provide a robust program for the next 2-3 years of work. A key outcome of these meetings is it is very clear that our current cloud connection will not be suitable for the 2020 Wonderware Software.



- **Kawakawa Water Treatment Plant** – A compliance audit has been undertaken and the plant passed with high praise. The next step is to do formal handover to Operations.
- **Stormwater** – Currently involved in setting up processes. We have completed cess pit testing in Moerewa and we are currently undertaking audits on flood gates. We are currently receiving more work of this work type.
- **Kaitaia Zonal meters** – Currently underway. Flow meters currently on order.
- **Okaihau Bore Commissioning** – The PLC installation is currently underway.
- **Fibre to Cumber Road** – A fibre connection is cost prohibitive, so alternative solutions are being investigated. A solution is required to meet the Telemetry project requirements.
- **Water Leak Testing** – Currently putting together pricing, structures, and business case.
- **Safety Grates Region Wide** – Installation is currently underway.

## ASSETS

Planned Maintenance for the month of March did not take pace due to restructuring. April report to show recovery progress.





**PUKETONA  
JUNCTION  
INTERSECTION  
IMPROVEMENTS –  
CONSTRUCTION  
UPDATES**



## UPDATE – 22 MARCH

It's been a busy few weeks at Puketona and we are now heading into the remaining stretch of night works to complete the road surface.

Monday 22 - Thursday 25 March

Night works continue this week to complete the final layer of asphalt across the entire intersection and seal the new road on SH11. Manual traffic control will be in place from 7pm each night, with a 30km temporary speed limit.

We will continue work on the grass verges and shaping the drains around the new roundabout, as well as reinstating fences for our neighbours. Urban design for the roundabout itself will take place from sometime in April.

Now that we have completed the major works on the road itself there will be decreased need for manual traffic control (stop/go) throughout the day. Some activities will still require traffic control. However, this will be minimal.

Thank you for your patience while we have worked through the last few weeks of intensive works. Please get in touch with any queries.



**KAWAKAWA  
INTERSECTION  
IMPROVEMENTS –  
CONSTRUCTION  
UPDATES**





## UPDATE – 3 MARCH

Further weather impacts have forced us to reschedule our works for the final asphalt layer at Kawakawa intersection.

This activity will now take place tonight and completion will depend on the weather this evening. Currently, it is looking favourable from around 7pm. We will continue to monitor the forecast.

Thank you for your patience while we have had to juggle our schedule around the rain.

## UPDATE – 26 MARCH

This is our final update for Kawakawa intersection. The site office is beginning to be disestablished and final construction works are under way.

Tuesday 30 March

On Tuesday we will undertake a short night works to complete the guardrail installation. Because of the noise associated with this activity, we will begin early so we can finish early. Traffic control will begin their site set up from 5.30pm, with works beginning at 7.00pm. We anticipate the work being completed between 10pm-12am.

Manual traffic control and a 30km speed limit will be in place.

Over the coming few weeks:

- The block retaining wall and concrete footpath on the corner of Vogel Street will be completed.
- The decorative panels for the retaining wall at the intersection end will begin to be installed.
- Landscaping will begin on the bank on the corner of SH1 / SH11 and above the retaining wall.
- The car park will be cleared and returned to community use before Anzac weekend.

Thank you for your interest and support of Kawakawa intersection improvements. You are welcome to get in touch any time with any ongoing questions.