

Taumāreere River Working Group
Saturday 16 November 2024 at 10:00 am
Te Pokapu Centre, Wynyard Street, Kawakawa

AGENDA

Taumarere Flood Management Working Group Agenda

Meeting to be held in the Te Pokapu Centre, Wynyard Street, Kawakawa
on Saturday 16 November 2024, commencing at 10:00 am

Please note: working parties and working groups carry NO formal decision-making delegations from council. The purpose of the working party/group is to carry out preparatory work and discussions prior to taking matters to the full council for formal consideration and decision-making. Working party/group meetings are open to the public to attend (unless there are specific grounds under LGOIMA for the public to be excluded).

MEMBERSHIP OF THE TAUMARERE FLOOD MANAGEMENT WORKING GROUP

Chairperson, NRC Chair Geoff Crawford

Deputy Chair - Far North District Council Councillor, Kelly Stratford	Bay of Islands Vintage Railway and Kawakawa Hundertwasser, Laurell Pratt	KiwiRail Representative, Andrew de Lisle
New Zealand Transport Agency Representative, Jacqui Hori-Hoult	Tangata Whenua Representative, Riki Ngakoti	Local Business Representative, Kevin Davidson
Karetu Iwi Representative, John Harawene	Iwi Representative, Otiria/Moerewa/Pokapu Ngahau Davis	Iwi Representative, Waimio Nisha Marsh
Maromaku, Iwi Representative Paul Tipene	Te Puna Aroha Trust (Otiria Neighbourhood Support) Representative, Pamela-Ann Ngohe-Simon	Otiria / Moerewa Spillway Representative, Sam Davis
Motutapu/Opahi/Matawaia, Iwi Representative, Rowena Tana		

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TITLE: **Record of Actions – 11 May 2024**

From: Haylee Labelle, Personal Assistant Community Resilience

Authorised by Louisa Gritt, Group Manager - Community Resilience, on 17 October 2024
Group Manager/s:

Whakarāpopototanga / Executive summary

The purpose of this report is to present the Record of Actions of the last meeting (attached) held on 11 May 2024 for review by the meeting.

Attachments/Ngā tapirihanga

Attachment 1: Record of Actions - 11 May 2024 [↓](#) 

Taumarere Flood Management Working Group
11 May 2024

Taumarere Flood Management Working Group Record of Actions

Meeting held in the Te Pokapu Centre
Wynyard Street
Kawakawa
on Saturday 11 May 2024, commencing at 10.00am

Tuhinga/Present:

Chairperson, NRC Chair Geoff Crawford
Far North District Council, Councillor Kelly Stratford
New Zealand Transport Agency Representative, Warren Freek
Iwi Representative, Nisha Marsh
Iwi Representative, Paul Tipene
Te Puna Aroha Trust (Otiria Neighbourhood Support) Representative
Pamela-Ann Ngohe-Simon

I Tae Mai/In Attendance:

Full Meeting
NRC Rivers and Natural Hazards Manager, Joseph Camuso
NRC Rivers Project Manager, Megan Tyler
NRC Flood Resilience Programme Administrator, Rongo Glassie
Peter Woods, Landowner Farmer - Kawakawa
Rowena Tana
Kawiti Brown
Noeleen Paurini
Susan Henare
Mike Butler
Hone Townsend
Hoskin Civil, Kevin Hoskin

The meeting commenced at 10am

Karakia: Paul Tipene

Ngā Mahi Whakapai/Housekeeping (Item 1.0)

Ngā Whakapahā/Apologies (Item 2.0)

Chantez Connor-Kingi, Peter Wilson, Pita Tipene, Louisa Gritt

Record of Actions – 25 November 2023 (Item 3.1)

Presented by: NRC Rivers and Natural Hazards Manager Joseph Camuso

Agreed action points:

- No actions

Taumarere Flood Management Working Group
11 May 2024

Receipt of Action Sheet (Item 3.2)

Presented by: NRC Rivers and Natural Hazards Manager Joseph Camuso

Agreed action points:

- No actions

Budget (Item 3.3)

Presented by: NRC Rivers and Natural Hazards Manager Joseph Camuso

Secretarial note:

Whānau discussed the budget, currently tracking under budget
Meg will confirm after Ngapipito Road sealing and swale along Pokapu Road are completed
A blessing date will be requested from whānau once completed

Agreed action points:

- No actions

Otiria-Moerewa Flood Mitigation Spillway and Bridge Grand Opening (Item 3.4)

Presented by: NRC Rivers Project Manager Megan Tyler

Secretarial note:

Projected to finish by the end of May – Date pending weather
Meg will confirm after Ngapipito Road sealing and swale along Pokapu Road are completed
A blessing date will be requested from whānau once completed

Agreed action points:

- No actions

Kawakawa Deflection Bank update (Item 3.5)

Presented by: NRC Rivers Project Manager Megan Tyler

Secretarial note:

Designed for 50-year protection to shops
Work was scheduled for 2025-26 but brought forward due to Crown Infrastructure Partners funding
Drill and kill willows work completed by Te Papa Pa Orooro local Kaitiaki
Projecting completion by the end of May

Agreed action points:

- No actions

Taumarere Flood Management Working Group
11 May 2024

Nature Based Solutions - Upper Kawakawa Catchment Feasibility Update (Item 3.6)

Presented by: NRC Rivers Project Manager Megan Tyler

Secretarial note:

Hui held at Waiomio, Maromaku, Matawaia and Motatau
\$300,000 funding from Ministry for the Environment – criteria must be “Nature Based
Wider community at flood risk from road network being flood prone
Staff met with a bus driver to identify primary flooding areas stopping buses
Discussion from the floor about other areas of flooding; staff to meet with whānau to understand
critical points
Focus on critical points due to wide-spread flooding

Agreed action points:

- No actions

CIP Otiria further works (Item 3.7)

Presented by: <<enter name of councillor/staff who leads discussion>>

Secretarial note:

Modelling indicates approximately 8 cubic meters per second (cms) of overland flow
Large 1-meter diameter culvert max flow rate is 0.82 cms
Existing roadside drain overwhelmed, causing surface flooding down Kingi Road towards Otiria
Marae
Objective to design and construct a swale to safely deliver 8 cms of flow to Waiharakeke Stream
Staff will work with KiwiRail; may require culverts under rail tracks

Agreed action points:

- No actions

Waiomio willow removal mahi (Item 3.8)

Presented by: Nisha Marsh

Secretarial note:

Kaitiaki developed a drill and fill method to kill willows standing. Targeted three sections this year
Master Plan: remove willows, replant with natives. Dead willows removed with a digger and
mulched or burned
Kaitiaki testing the Awa and monitoring progress

Agreed action points:

- No actions

Any other business (Item 3.9)

Taumarere Flood Management Working Group
11 May 2024

Te Papa Pa Orooro

Secretarial note:

Waiomio Training hui – on the drill and fill method to kill willows
Three targeted areas for willow drill and fill

- Kawiti Bridge
- Aunty Makuini's
- S Bend

Presentation of the Mahi accomplished by Kaitiaki; before and after willow trees killed and removed.

Te Papa Pa Orooro Kaitiaki to train whānau for resilience in willow management.

Agreed action points:

- No actions

Karakia whakamutunga: Paul Tipene

Whakamutunga (Conclusion)

The meeting concluded at 1200.

TITLE: **Receipt of Action Sheet**

From: Haylee Labelle, Personal Assistant Community Resilience

Authorised by Louisa Gritt, Group Manager - Community Resilience, on 17 October 2024
Group Manager/s:

Whakarāpopototanga / Executive summary

The purpose of this report is to enable the meeting to receive the current action sheet.

Nga mahi tutohutia / Recommendation

That the action sheet be received.

Attachments/Ngā tapirihanga

Attachment 1: Receipt of Action Sheet [↓](#) 

Kawakawa Taumarere River Working Group - Action Tracker

Meeting date	Item	KTRWG action	Responsible staff	Status	Notes
15/04/2023	Other Business (item 3.10)	NRC, FNDC to have hui with Opahi	Meg/Chantez to make contact re possible dates	Complete	NRC Rivers Team is engaging with the upper catchment communities. We have met with Waiomio, Matawaia and Maromaku 7/10/24 - Update to be given on Upper Catchment Nature Based Solutions To Flooding Project. Engagement is ongoing with Opahi and other localities
29/11/2023	Kawakawa deflection bank (item 3.5)	Request for NRC collaboration with FNDC regarding stormwater around the deflection banks	NRC Rivers Team	In progress	Meg T has reached out to Tanya Proctor at FNDC regarding stormwater in Kawakawa 7/10/24 - Meg has continued to reach out to FNDC regarding stormwater and flood infrastructure interactions, no clear response from FNDC at this stage.



Taumarere River Liaison Working Group

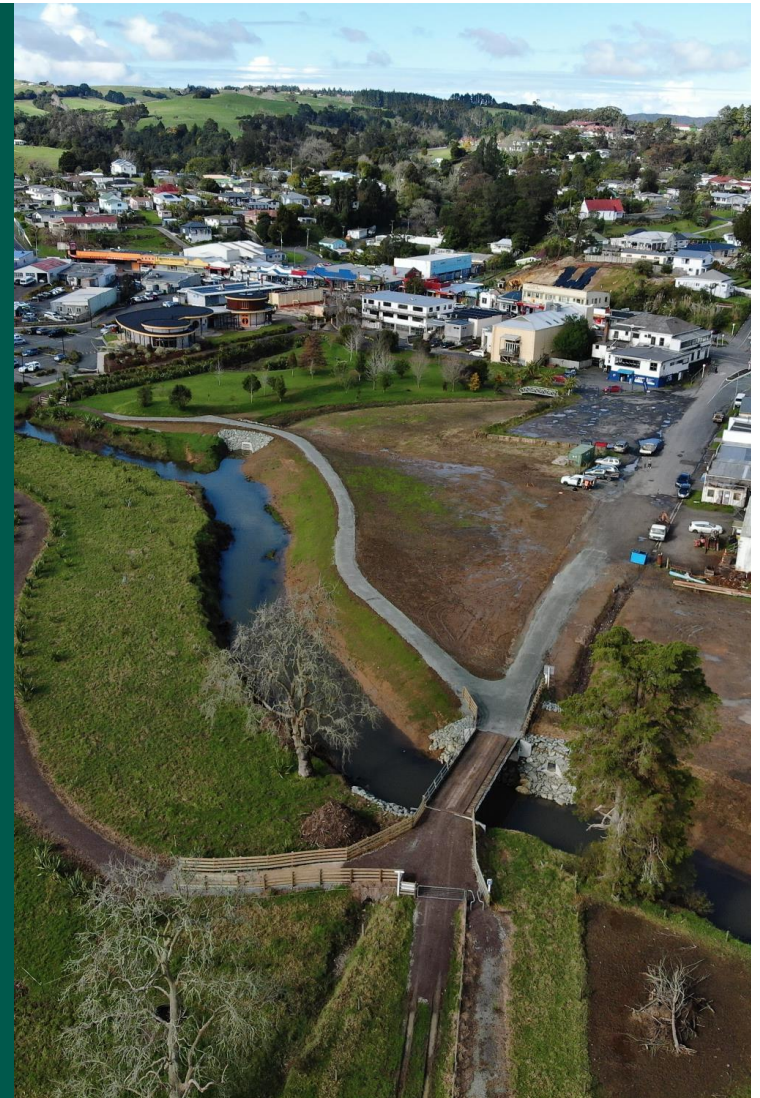
16th November 2024





Agenda

1. Budget
2. Nature Based Solutions – Upper Catchment
3. CIP -Otiria further works
4. Any other business



Otiria-Moerewa Flood Modelling and Study FIR

5022

Description	2023/2024 Full year			2024/2025 YTD September		
	Budget	Actual	Variance	Budget	Actual	Variance
Operating Expenses	83,208	53,228	29,980	18,337	16,774	1,563
Operating Income	1,421,809	1,409,884	(11,925)	23,643	23,611	(32)
Net operating Surplus / (Deficit)	1,338,601	1,356,655	18,055	5,306	6,837	1,531
Transfers from Special Reserves						
Capital expenditure (70% of total)	1,750,000	2,791,864	(1,041,864)	265,500	488,296	(222,796)
Capital expenditure (30% of total)	750,000	1,196,501.39	(446,501)	265,500	209,270	56,230
Total Capital Expenditure	2,500,000	3,988,365	(1,488,365)	531,000	697,566	(166,566)
Less depreciation			0			0
Net operating and capital surplus / (Deficit)	588,601	160,154	(428,447)	(260,194)	(202,432)	57,761
Surplus / (Deficit) carried forward	(597,100)	(102,886)	494,214	(597,100)	57,268	654,368
Surplus / (Deficit) at balance date	(8,499)	57,268	65,767	(857,294)	(145,164)	712,129

Kawakawa Deflection Bank Financial Report

5652

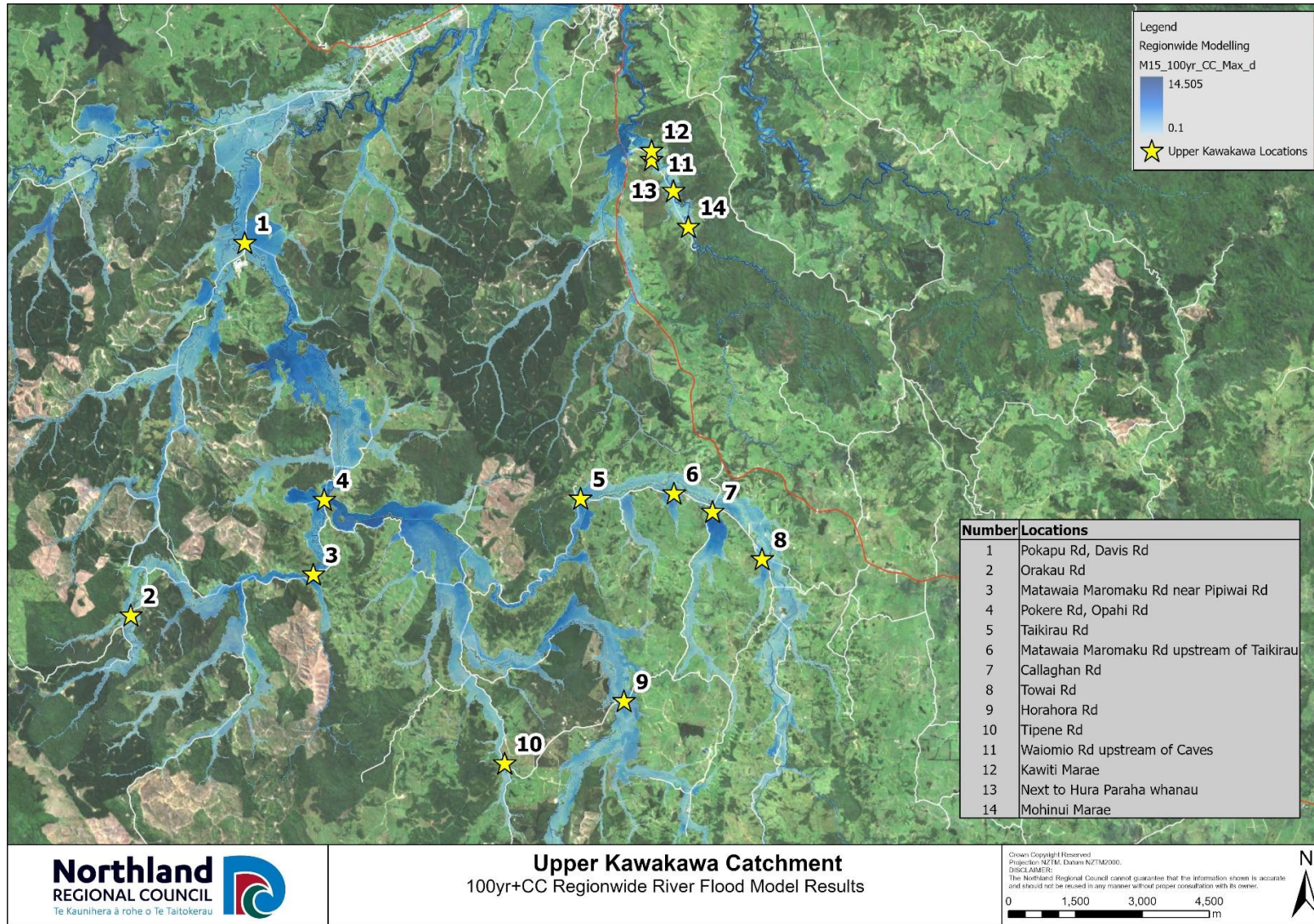
<i>Description</i>	<i>2023/2024 Full year</i>			<i>2024/2025 YTD September</i>		
	<i>Budget</i>	<i>Actual</i>	<i>Variance</i>	<i>Budget</i>	<i>Actual</i>	<i>Variance</i>
Operating Expenses	0	26,422	(26,422)	2,525	15,215	(12,690)
Operating Income	350,000	143,730	(206,270)	4,898	5,007	108
Net operating Surplus / (Deficit)	350,000	117,308	(232,692)	2,373	(10,209)	(12,582)
Capital expenditure (30% of total)	450,000	86,148	363,852	25,000	44,965	(19,965)
Capital expenditure (70% of total)		201,012			104,919	
Total Capital Expenditure		287,160			149,884	
Less depreciation	0	0	0	1,625	1,625	0
Net operating and capital surplus / (Deficit)	(100,000)	31,160	131,160	(21,002)	(53,549)	(32,547)
Surplus / (Deficit) carried forward	350,000	0	(350,000)	250,000	31,160	(218,840)
Surplus / (Deficit) at balance date	250,000	31,160	(218,840)	228,998	(22,389)	(251,387)



Nature Based Solutions – Upper Catchment

1. \$350,000 in funding from MFE to investigate nature-based solutions to road flooding
2. Community meetings held at: Waiomio, Matawaia, Motatau, Maromaku
3. Landowner consultations April/May
4. Four road locations identified as being the most disruptive to the community
5. We need to compare **Nature-Based mitigation** options to **traditional engineering** solutions
6. Gather feedback from landowners on which options they would like to proceed with





A comparison of Nature-Based (NBS) mitigation options to Traditional Engineering solutions

Nature-Based Options

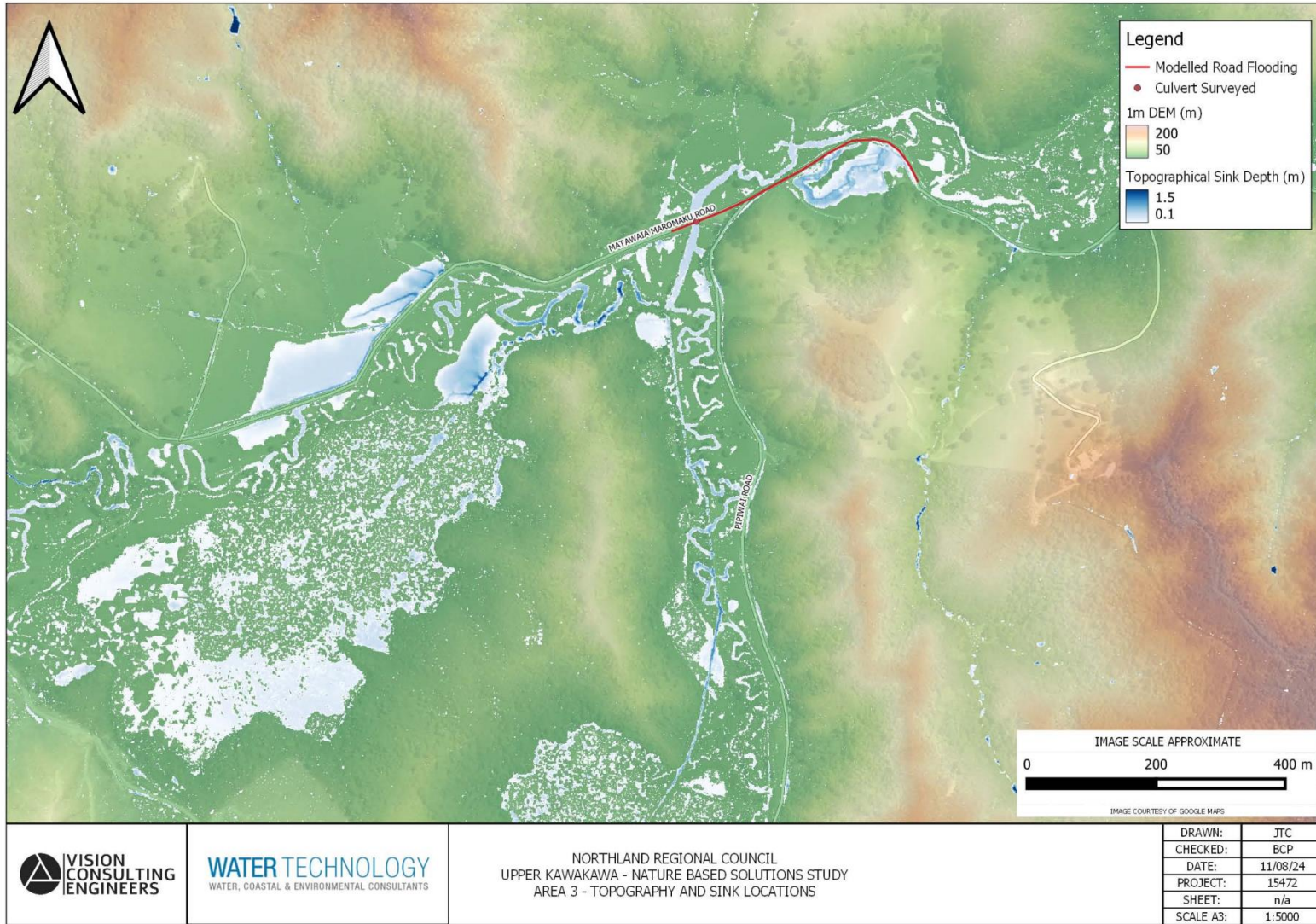
1. Tree planting
2. Wetland restoration
3. Low bund installation
4. Ditch Blocking
5. 'Slowing the Flow'
6. 'Floodplain restoration'
7. 'Encouraging spill'

Traditional Engineering Solutions

1. Raising the road
2. Upgrading culverts

The hydraulic modelling will tell us how effective **Nature Based** options are at reducing the road flooding: November/December 2024







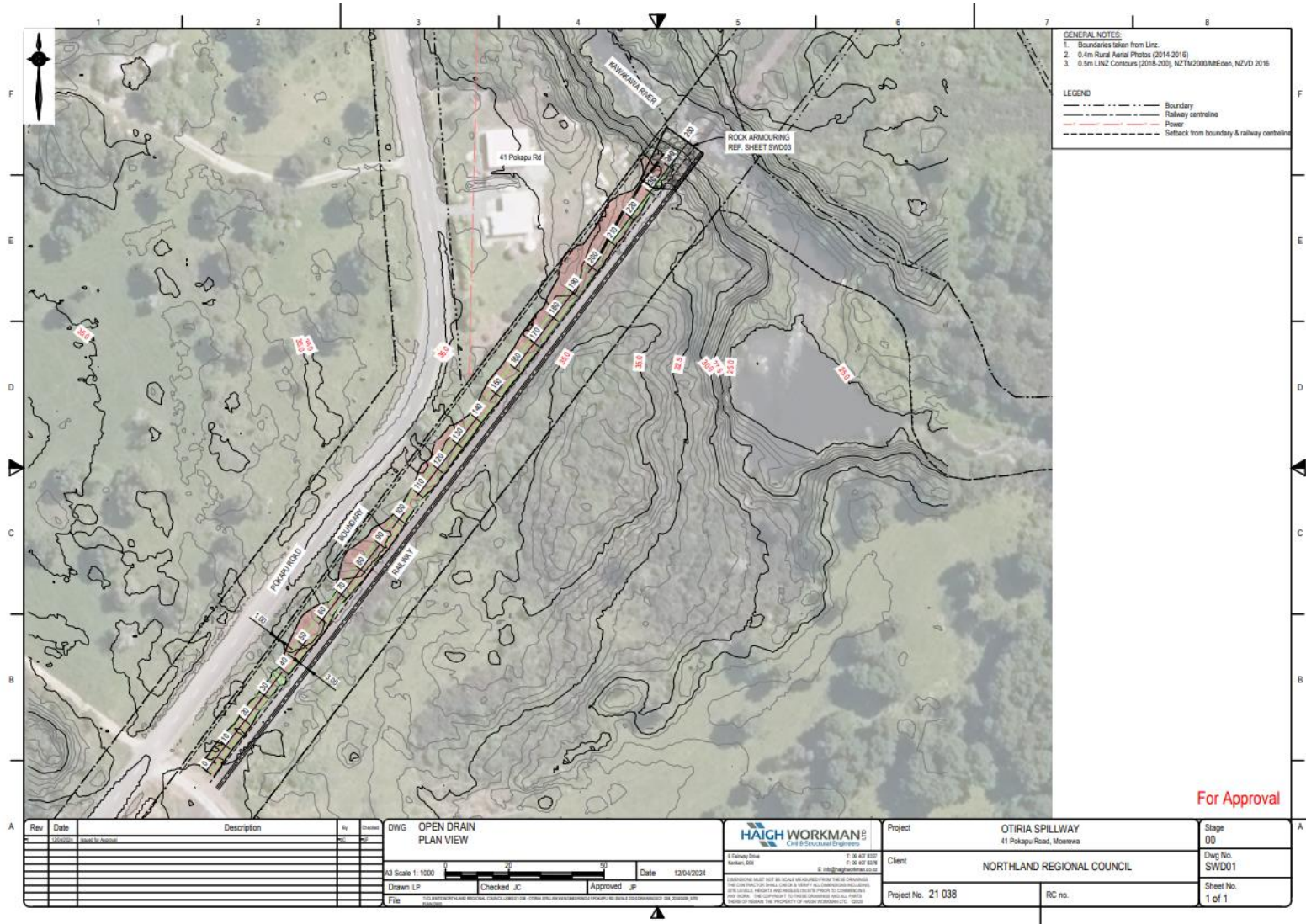
Nature Based Solutions Considerations

1. Requires more land, land-use transitions, and community involvement.
2. Lower maintenance with benefits like water quality, biodiversity, and carbon sequestration.
3. Higher start-up cost but lower long-term maintenance.
4. Suitable for smaller floods (1–20-year); traditional engineering handles larger events (50–100-year).
5. Can be implemented in stages.
6. Potential economic benefits from carbon/biodiversity credit schemes.

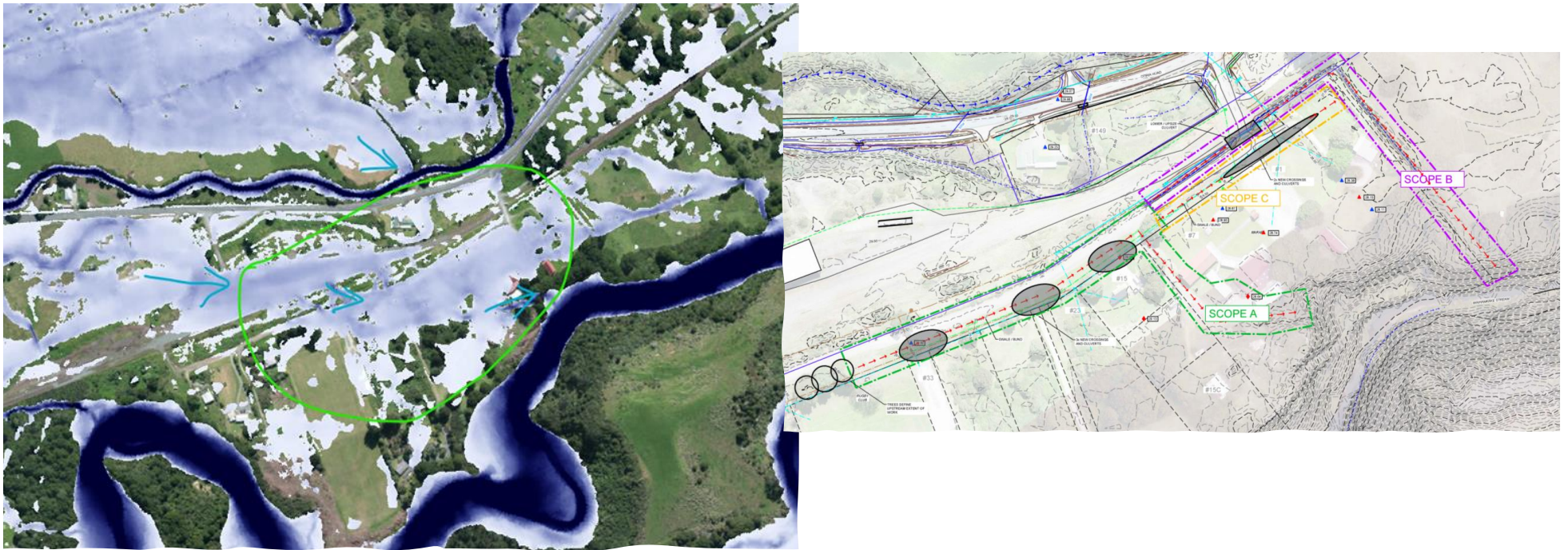
Otiria Further Works - CIP

1. Swale along KiwiRail line -NRC
 1. Completed June 2024
2. Stormwater works around Rail Site - KiwiRail
 1. Upgrading culverts on Waihamiti Lane
 2. Excavate swales along existing rail line
3. Blocked overland flow paths around Otiria Marae -NRC
 1. Opening overland flow paths
 2. Hui with Otiria Marae trustees 10th December









Otiria Overland Flow Paths

Hui with Otiria Marae trustees 10th December to gather information and direction on possible design



Ngā mihi Thank you
He pātai? Any questions?

Northland
REGIONAL COUNCIL 
Te Kaunihera ā rohe o Te Taitokerau



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TITLE: Taumarere Catchment Business Case

From: Haylee Labelle, Personal Assistant Community Resilience

Authorised by Group Manager/s: Louisa Gritt, Group Manager - Community Resilience, on 07 November 2024

Whakarāpopototanga / Executive summary

At the 26 September 2024 council meeting, council approved development of a business cases for the improvement of water quality in the Taumārere catchment. The business case is to be co-designed alongside Ngāti Hine. The council decision included setting up a governance group comprising Ngāti Hine and council representatives to oversee the development of the business case. The first governance hui was held 11 October 2024.

Background/Tuhinga

The business case is intended to estimate the cost and benefits of improving water quality Taumārere catchment. This work would then be used to support investment decision making and to advocate for funding from central government and other potential funding partners alongside Ngāti Hine.

The scope of the business case is not intended to go beyond improving water quality (particularly reducing sediment and *E.coli* levels) within the Taumārere catchment. It should be noted that measures to improve water quality are very likely to have co-benefits such as reducing peak flood flows, increased climate change resilience and improved ecosystem health. Co-benefits of interventions will be factored into the investment analyses contained in the business case.

Experts in the development of business cases, Martin Jenkins, have been engaged to support the development of the business case.

Given the governance group has held only one meeting to date, the scope for engagement for the business case it yet to be determined. Front of mind for the governance group is the importance of balancing engagement and making sure the business case is available to key funding partners in time to maximise opportunities for co-funding. The timing for completion of this mahi is targeted to be within the first half of 2025, noting that the governance group is yet to determine the deadline for delivery.

Making sure there is alignment with the Kaupapa of the Taumārere River Liaison Working Group will be an important success factor for the business case.

Ngā tapirihanga / Attachments

Nil