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**ORDINARY MEETING**

**OF**

**TAWA COMMUNITY BOARD**

**MINUTE ITEM ATTACHMENTS**

**Time:** 7:00pm  
**Date:** Thursday, 4 May 2017  
**Venue:** Tawa Community Centre  
5 Cambridge Street  
Tawa  
Wellington

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<b>1.4.1 Tabled item - Tawa skate park petition</b>	
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# WOULD YOU LIKE TO SEE A BIGGER AND BETTER TAWA SKATE PARK?



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It will be going to Wellington City Council, who are the people that own the skate park and the grass area.

Thank you.

Eliot Knight – Room 14

*(Teachers – can you please give this back to Miss Downes by Friday 17 March)*

NAME	AGE	ADDRESS
Jeziiah Hornsby	11	6 Linden ave
Briana Treavern	11	4 Neavham court
Paige Raemaki	11	22a Beauchamp st



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NAME	AGE	ADDRESS
Noah Roger	12	<del>1a</del> 1a ngati to tawa
Brodie murgoch	11	Rm 9
Andy Maklakov	12	61 chester rd tawa
Ah Phu	12	turkington 13 tawa
Jack Newman	11	57 Binglew Dr tawa
Kahj Coates	11	63A Alweaty St Porirua
Alex galley	12	2 melville street
<del>Jake Heather</del>	<del>12</del>	
Ella Mary Paul	11	13 Moki Street



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NAME	AGE	ADDRESS
Lucia Sayers	12	1188 moonshine rd Jugeforo
Ikhan Learwood	11	1/1A COATES ST
Zach George	11	41 raron terras
Sophia	12	83 Bing Lucas Drive
Alyssa	12	5 cheshire st
Benjamin S. S. S.	11	112 Euteria Place
Liam Howden	11	75 St adens way
Sadies	11	37 Abibaldy St cons
Ashlee	10	3 Pembroke St Tawa

Item 1.4.1 Attachment 1

NAME	AGE	ADDRESS
<del>XXXXXXXXXX</del>		
Rhianna Angus	12	45 Redwood Ave
Darina Palukwai	12	30 Redwood Ave
Erin McKechnie	12	14 Brasenose Place
Jorja Plant	11	80 Larsen Cres
Tara Swamy	11	111 Taylor Tce
<del>Amy Piper</del>	11	20 Te Papa St Titahiā
<del>XXXXXXXXXX</del>	<del>11</del>	<del>XXXXXXXXXX St Titahiā</del>
Iris Campbell	11	39 Moreere St Titahiā

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NAME	AGE	ADDRESS
Levi	12	
Campbell	11	
emily	11	
Jacob	11	
Steph Knight	XX ☺	37 Sunrise Blvd, Tawa
Damen Knight		37 Suisse Blvd, Tawa
Lucy Knight	8	37 Sunrise Blvd Tawa

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NAME	AGE	ADDRESS
Jake Boyd	12	12 Grafton Street
Callia Skoog	12	20 of something
Antonio Ravel	12	38 Kiri Kiri Road
Josh Fernandez	11	149 Woodman Drive
Oliver Mcate	11	3 Bell St
Nialla Higgins	11	57 Westhampton Drive
Yuan Dvorzika	11	77 Oxford Street
Melvin Jasad	11	25 Tuna Ave
Callum Zhu	11	9/23 Collins Ave
Corrie	11	13 KILL KILL THE CLOSE



NAME	AGE	ADDRESS
Sala Fogawa	11	45 kokiri crescent
Azariah Manila	10	25 Kapiti crescent.
Daniel Van Straaten	11	5 st Berents Pkce
Max Horlor	12	399 Reading hill / 2/ clippers
Amy Macdonald	12	21 ruffield st
Nina Barclay	12	18 Kiwi Crescent
Selena Temata	12	26 David Street
Matthew	12	58 fremewan St
Arianna	11	9 Luckie street
Sam	11	4 Surrey street
Dren	11	280 main Rd Tawa
Jessica Symons	12	45 kilKelly close

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NAME	AGE	ADDRESS
Henry Maritz	13	23 Franklyn Rd
Teora Turua	11	10 Westra View
Evyn Jenning	12	18 St Johns ter
Melita Tiffin	12	27 Clark St
Kaz Ruessro	12	81 Arawhata st.
Estelle Bastin	12	75 Te pene Ave
Bonnie comor	11	17 St Edward Street.
Skylar Potgieter	13	32 Collins ave
Ruben McCluskey	12	8 oriel ave



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NAME	AGE	ADDRESS
Doan Thomas PIS niece	11	66 Pariri + eia
Ezra Payne	10	41 P. Kereke St, Titahi Bay
Joel Shepherd	11	39 Mana ave, Titahi Bay
Alasson Oimaza	12	6 Aberfeldy street Porirua
Rāhera Howe-Watson	11	40 cheshire st
Seren Rix	11	4 St Annes Square
Jonathan	10	11 Fitzwilliam Terrace
AP aita	11	28 Redwood Ave
Heads	10	128 Woodman drive



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NAME	AGE	ADDRESS
Zen Wilson-Travis	12	63 Fyvie Ave
Luke McNair-Robertson	11	23a Olivier Cres
James pettersson	<del>11</del>	3 wilmhurst place
Xavier Koenigsberger	10	14 Newnham Ct
Daisy cheer	11	101 tireti Road
Amelia Clark	12	127 Woodman Dr

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Bryan Nich	12	7 <sup>th</sup> Catherine's tce
Ajay Kumar	11	33 Findlay st
Ella Sayers	12	1188 Moonshine road
Jelias	11	27 Kotuku
Matthew Baker	11-14	20 Sunrise Blvd
Verita	11	
Helena Marais	11	25 Mauldeth Terrace
Ava Allen	12	10a Queen Street.
Mahe Melissa Lotu	12	83 Arion drive whittby.

Item 1.4.1 Attachment 1

NAME	AGE	ADDRESS
Brandon Waldenholme	11	3 Ratarunga grove
oliver chenery	17	57 collins avenue
Finn stefaniadis	11	77 woodman drive
ollie cuff	11	172 Ding Lucas Drive
Kian Read	11	2 newnham court
Khyan Collins	11	21 tehiko st takapūmāhanga
Eliot Knight	10	37 Kuiti rd
Jayde Burns	11	21 Huiwai cres
Zoh moenou	11	34 Hrewan Street
harry rose	12	18 rātoa tce tawā
Akivish prasad	11	
hanne Ekele	12	? Taitā Hōke
Izzy wilson	12	
Jarod Kellenher	11	
Adrian Gauder	11	
<del>LUKE</del> LUKE J	11	









Item 1.4.1 Attachment 2



# Flood Protection & River Management in the Porirua Catchment

4 May 2017

**Colin Munn**  
Team Leader,  
Operation Delivery & Planning

**Sharyn Westlake**  
Senior Strategy & Advisor Engineer



## This Presentation:

- What GWRC Flood Protection does
- Asset management and maintenance
- Watercourse Agreement
- Affected party approval
- Importance of stream setbacks
- Porirua Stream flood hazard assessment
- Opportunities

## What do we do?

- Maintain waterways and river management structures e.g. stopbanks and channels
- Enhance the river environment through restoration planting and walkways
- Advise the community about flood hazards
- Investigate flood risk and help the community decide on appropriate risk management
- Prepare and implement floodplain management plans



## Why is this important

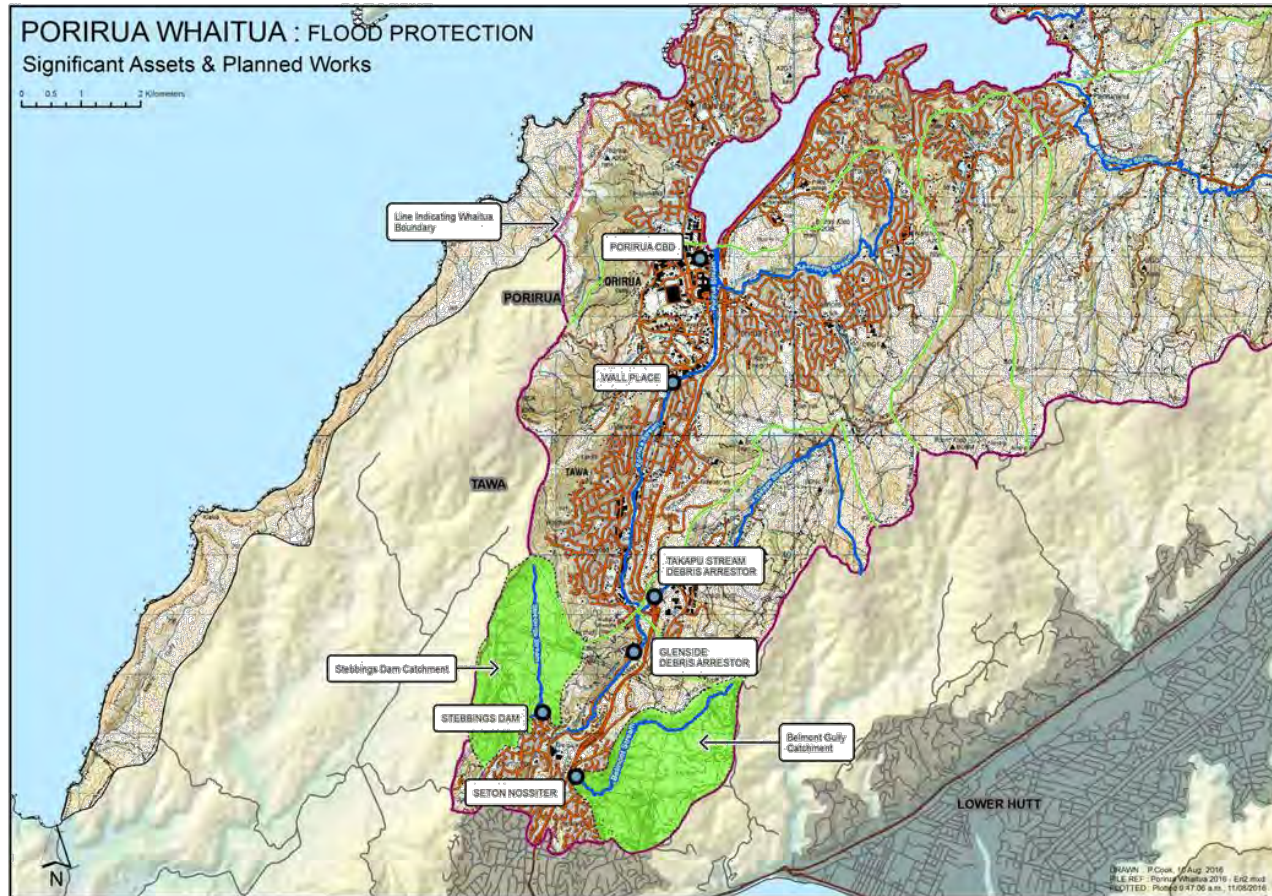
- Because the Wellington Region has some of the most developed floodplains in the country;
- And they **FLOOD!**





## Recent Flood Events

Date	Flow (m <sup>3</sup> /s)	Est. Return period (years)
14-May-15	66	19
15-Nov-16	54.2	8
13-Aug-16	35	3
5-May-16	33.9	2
18-Sep-16	30.1	2
7-Apr-15	24.7	1
12-Nov-16	21.7	1
28-May-16	20.5	1
23-Dec-16	18	1
18-May-16	17.4	1
19-Jun-15	17	1





# Stebbings Detention Dam

greater WELLINGTON  
REGIONAL COUNCIL  
Te Pane Matua Taiao



## Seton Nossitor Detention Dam



Glenside Debris Arrester



## Porirua Stream – Wall Place



Porirua CBD

## Who is responsible?

- Maintenance of watercourses is the responsibility of the land owner
- Soil Conservation & Rivers Controls Act 1941 empowers GWRC to develop flood & erosion measures if it chooses
- TLA's have similar empowerment under other legislation



## Watercourses Agreement (WCA)

- Agreement between the TLA's in the western part of the region for watercourse management
- Established following the 1976 floods and the damage that occurred to urban properties as a result of poorly maintained streams
- GWRC accepted responsibility for the major rivers and streams that are part of a scheme or flowed through more than one TLA



## What is maintenance under the WCA?

- Restricted to clearing obstructions to flood flows – fallen trees and debris
- Excludes protecting private property from erosion or remedying erosion on private property

# Watercourse Maintenance

- GWRC
  - Porirua Stream & detention dams
  - Takapu Stream
  - Annual Maintenance Budget  
\$120,000
- WCC/PCC
  - local stormwater network and drainage channels

## How is GWRC maintenance funded?

Stream	TLA	Regional Share	District Share
Porirua Stream	WCC/PCC	2/3	1/3
Takapu Stream (urban)	WCC	1/2	1/2





# Erosion Problems



Porirua Stream 13 Tawa St. Erosion 16 Feb. 04



Porirua Stream - Linden Erosion. 4 August 2006



Porirua Stream Linden May 2016



## Affected Party Approval

- For works affecting watercourses GWRC maintains
- For structures within 5m of any water body, or 10m of Porirua Stream and tributaries.

## Need to show

- Fit for purpose,
- Will perform as designed,
- Will not cause future problems
- Sufficient information on what is being approved
- Can not be subject to conditions



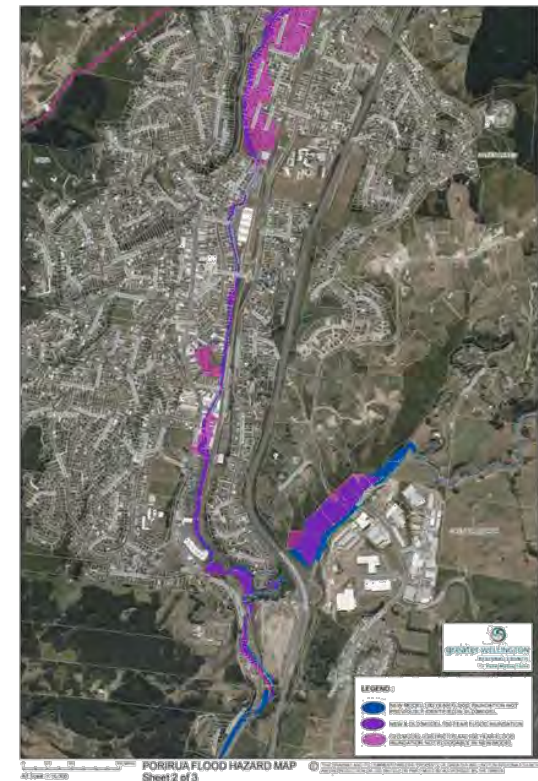
Deck 24 Oxford Street over Porirua Stream 17 Feb 04 –  
7 yr return period flood event on the Porirua Stream



3 Melville St, Tawa

# Porirua Stream Flood Hazard Assessment

- Updated modelling of Porirua Stream flooding
- WCC carrying out stormwater modelling
- Dam break assessment



# Maintenance Access



Porirua Stream Tawa industrial section May 2004



Porirua Stream erosion Kenepuru Drive May 2015



# Why are set-backs from watercourses important?





# Principles

- Give the watercourse adequate space
- Avoid realignment and straightening
- Plan secondary flow paths
- Consider planting species
- Think about on-going maintenance
- Transfer river corridors to public ownership as development intensifies



# Opportunities

- Enhancement of the Porirua Stream corridor
- When planning future growth areas provide for rivers and streams to have adequate space
- Review levels of service



**Transmission  
Gully Project**  
A NZ Transport Agency PPP Project



# Tawa Community Board

Belinda Mackenzie-Dodds, Community Liaison Manager



## Progress to date

### Overall project

- 3 of 27 structures complete – Battle Hill underpass, 2 other access routes for private landowners. 10 in construction at varying stages of completion
- Largest bridge is Cannons Creek – currently excavating for the pier foundations
- Te Puka and Horokiri stream diversions well under way – 2km of approx. 5km complete.
- Services relocations underway across the project
- Finishing up the season of bulk earthworks – excellent progress despite wet summer
- Forestry progressing very well - should be able to drive from Lanes Flat to Rangatira compound by the end of May

## Linden and Tawa area

### Current work

- Piling for bridges 26 (northern side), and 27 – Collins Ave and Kenepuru Interchange
- Sewer relocation on Kenepuru Drive
- Ranui Forest plantation almost cleared
- Noise wall installation on south bound side of SH1 underway – due to be completed end of May
- Preparation for median widening on SH1 between Tawa and Porirua
- Use of parking area at Arthur Carman Park approved – changed access from Collins Ave



## Rangatira Rd compound – looking north





## Rangatira Rd compound



## Rangatira Rd compound – looking south



## Linden and Tawa area

### Upcoming

- Piling for bridges 26 (southern side) and 28 – Collins Ave and Kenepuru Interchange
- Earthworks heading north from Rangatira compound
- Median widening on SH1 between Tawa and Porirua – night works
- Drainage work on Little Collins Street



## Bridge piling for Kenepuru interchange



## Environmental Management

### Overall Conditions

- Board of Inquiry (BoI) approved 2013, some changes at 2014 contract award
- There are construction effects on waterways, with many controls/monitoring to manage effects and a large mitigation package to offset those effects:
  - 534ha land retired for regeneration, 26.7km stream mitigation (riparian planting and new habitat in diversions), 17km ephemeral stream protection
- 5 council regulators – GWRC and 4 TAs, joint certification
- Each area of work has a site specific environmental management plan (SSEMP) detailing how the area will be controlled and managed in accordance to the envelope of effects.
- Work cannot begin until this is approved
- The entire site is inspected weekly by GWRC
- Rigorous monitoring regime conducted by external ecologists

## Types of controls

- Decanting earth bunds (DEB)
- Sediment retention ponds (SRP)
- Silt fencing
- Stabilising open earthworks areas – Geofabric, hydro seeding, hay mulch
- Clean water diversions
- Dirty water diversions
- Flocculants – agents to “clump” the sediment in water (biodegradable)

All methods for reducing or preventing sediment run off into waterways

## Decanting earth bund (DEB)



## Dirty water diversion to a DEB





## Silt fencing and hydro seeding



## Mitigation planting

- After TG is complete there will be over 500 hectares of “retired” land that will be replanted with native trees and grasses to help restore the area that has been deforested through farming activities.
- Over 2 million trees to be planted with species native to the Wellington region including Manuka, kanuka, totara, and coprosma.
- Riparian planting and waterway habitat restoration – e.g. removal of perched culverts to allow fish passage





## Keeping safe around the railway in Tawa



## TrackSAFE NZ



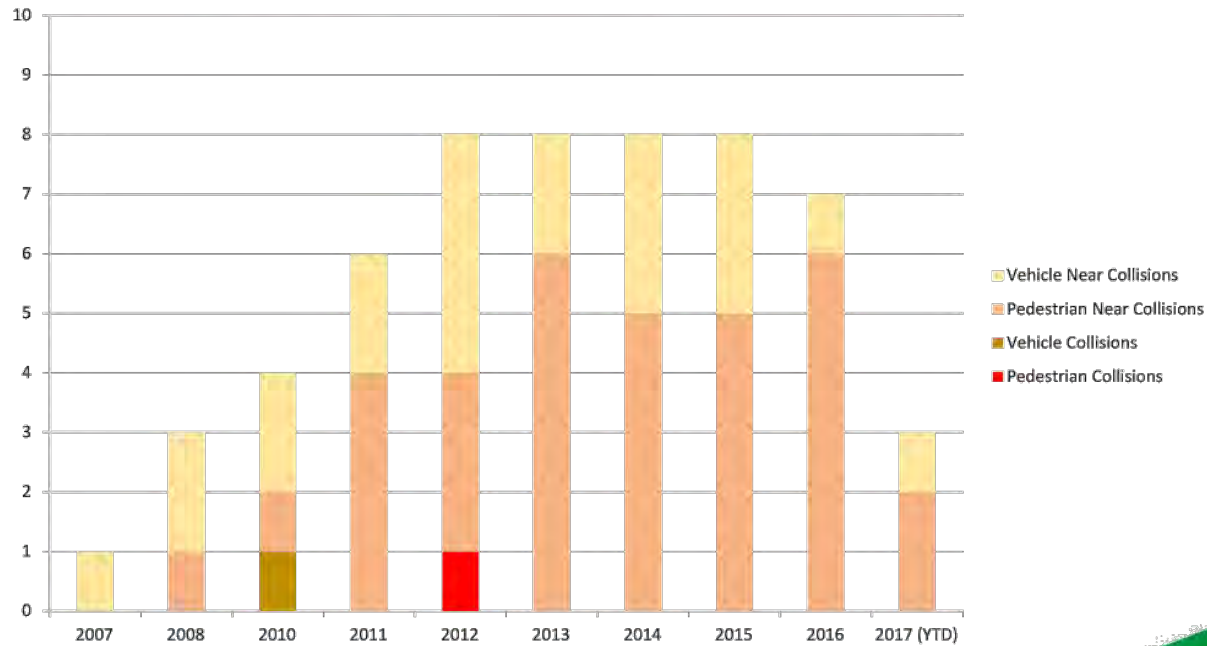
TrackSAFE NZ is a registered charitable trust, with strong links to harm prevention charity TrackSAFE in Australia.

Raising awareness about safe behaviour on and around the rail network through proactive communication, engagement and cooperation.

- safety campaigns to drive public awareness of safety around the rail network;
- engaging and assisting others to pursue initiatives that will most effectively improve safety;
- facilitating a safe systems approach to thinking.



## Tawa Level Crossing Statistics



Source: KiwiRail, Incident Reporting Information System (IRIS), 1 January 2007 to 13 April 2017





Of the 33 near misses with pedestrians reported by drivers since 2007, 14 involved minors or school-aged children (ie 42 per cent).

## Attitudes and behaviour



### **Impatience**

“Need to get there...what's taking so long”

Frequent Trains

*Urban*

### **Complacency**

Infrequent trains

On automatic pilot

Know the timetable

*Rural*

### **Distraction**

Preoccupied with other things

*Urban and Rural*

Source: NZ Transport Agency research 2015





## Where to from here?

As a community, what more could we do to help our people stay safe?

