

05 April 2022

West Coast Regional Council
PO Box 66
Greymouth 7804
Attn: Brendon Russ

By email: brendonr@wrc.govt.nz

Dear Brendon,

RE: RC-2022-0032, STOPBANK RASING AND CONSTRUCTION WAIHO RIVER – REQUEST FOR FURTHER INFORMATION

As you will be aware, Tai Poutini Resources Ltd has been engaged by the West Coast Regional Council to independently process the above resource consent application.

Under section 92(1) of the Resource Management Act 1991, further information is required to process your application. The information requested will help determine whether the activity will have or is likely to have adverse effects on the environment that are more than minor. It will also assist in considering which effects can be avoided, remedied or mitigated.

The further information requested is:

- The Preliminary Design Report completed by Land River Sea Consulting and dated 26 October 2021 concluded that Alignment B would be the most suitable and that Aggregation Scenario 2 should be used for sizing of the stopbanks. A copy of the Plans titled as *Franz_Josef_Design_DRAFT_B_19OCT2021* and dated 19 October 2021 appear to differ from these recommendations.
- Provide reasons for this variation and an assessment of the plans titled *Franz_Josef_Design_DRAFT_B_19OCT2021* by a suitably qualified person which outlined the suitability of design and assesses any effects from or created by raising the existing or construction of the new stopbanks on the river, other flood protection works, or land adjacent to the proposed location.
- A memo or addendum to the aforementioned report, addressing the information requested would be acceptable by way of a response to this request.
- Provide an updated plan clearly showing the location of each of the existing stopbanks to be raised, and the location of the proposed new stopbanks to be constructed.

Within 15 working days of receiving this letter you may:

- a) Provide the information that is stated above.
- b) Advise that you agree to provide the information but that it is likely to take more than 15 working days. A reasonable timeframe will then be set in which to provide the information.
- c) Provide written notice that you refuse to provide the information.

In accordance with section 88C(1) of the Resource Management Act 1991, the processing of your application will be postponed until the above information is received. Please note that if you do not provide the information under the timeframes in options a or b, or refuse to provide the information under option c, then Council is required to publicly notify your application in accordance with section 95C or your application may be declined.

Once satisfied all the relevant information has been provided, a decision on how to process your application will be made, that is publicly notified, or without public notification. Where affected parties are identified, you will be advised of this and given the opportunity to seek their written approval.

If you have any questions, please contact me on 027 228 9914 or selene.kane@tpri.co.nz.

Yours sincerely,



Selene Kane
Planner
Tai Poutini Resources Ltd

Selene Kane

From: Rachel Vaughan <rachel.vaughan@wrc.govt.nz>
Sent: Thursday, 12 May 2022 4:56 pm
To: Selene Kane
Cc: Heather Mabin; Colin Helem
Subject: RC-2022-0032 - Waiho River Stopbanks
Attachments: Franz_Josef_TPRL Response_11May2022_V1 (002).pdf

Hi Selene

Please find attached the response to further information sent to Brendon Russ of our office on 5 April 2022. If you require additional information, or anything in this memo is unclear, please get back to me.

Kind regards Rachel



Rachel Vaughan

Acting Planning, Innovation & Science Manager
Tel. 03 768 0466 ext. 9014
DDI: 03 744 7327
E: rachel.vaughan@wrc.govt.nz
Cell: 021 2236867

PO Box 66, Greymouth 7840
388 Main South Road
www.wrc.govt.nz



Caution: This email may contain information that is confidential, proprietary or subject to legal privilege. If you are not the intended recipient you are notified that any use, dissemination, distribution or copying of this message or data is prohibited. If you have received this email message in error, please notify us immediately and erase all copies of the message and attachments.

MEMORANDUM

Recipient name	Selene Kane	Recipient company	Tai Poutini Resources Ltd
Copied recipients	Matt Gardner (Land River Sea Consulting Ltd)	Memo date	11 May 2022
Author	Dr. Dai Thomas		
Project reference	773-AKLWT290497 Franz Josef Stopbanks		
Memo subject	Waiho River Stopbanks – Response to request for further information		

Tai Poutini Resources Ltd (TPRL) have been contracted by the West Coast Regional Council (WCRC) to submit a resource consent application for the proposed Waiho River Stopbank upgrade located along the right (north-east) side of the river.

In 2021, I was working for Tetra Tech Coffey under a sub-contract agreement with Land River Sea Consulting Ltd (Land River Sea) to perform the scour and riprap calculations, and stopbank design for the Waiho River Stopbank upgrade (Tetra Tech Coffey, 2021). Mr. Gary Williams (Waterscape) was part of the study team and he independently sub-contracted with Land River Sea.

TPRL are requesting 3 additional pieces of information on the proposed design, including:

1. Information about the selection of the stopbank alignment. TPRL indicate that the proposed stopbank alignment (Alignment B) presented in the Preliminary Design Report by Land Sea River (2021) is different than the design (Tetra Tech Coffey (2021)).
2. Assess any effects from or created by the raising the existing or construction of the new stopbanks on the river, other flood protection works, or land adjacent to the proposed location.
3. An updated plan showing the location the existing stopbank and proposed new stopbanks.

Response to request 1. The proposed stopbank alignment shown in the Preliminary Design Report and in the design are consistent. The Preliminary Design Report (Land River Sea, 2021) shows Alignment B as a yellow line in Figure 1 and the design alignment is shown in Figure 2. Both alignments show the following:

- the new section of the stopbank starts at the downstream end of the Helipad stopbank and ends just downstream of the abandoned hotel near the Corner of SH6 and Ponds Road.
- Alignment B has a smooth concave shape to allow flow expansion at the upstream end and to limit high velocities along the stopbank at the downstream end.

Response to request 2

The stopbank will be raised about 2m on average along a length of 2,360 m. This may have the following impacts:

- Create a visual impact, particularly from within the Heliport area and the buildings located downstream of the SH6 bridge between the levee and SH6 (this area is currently visually impacted by the existing levee).
- The base of the constructed levee will extend up to 40m towards the town in the area between the SH6 and the heliport and will extend to the boundaries of at least 2 properties in this area.
- A low elevation area will be created on the current channel bed downstream of the heliport and between the proposed levee and the NZTA levee. During flood conditions, water may seep through the levee causing ponded water. There is an existing drain near the heliport area that the WCRC have indicated will be relocated.
- Construction of the levee will not impact other levees.

Response to request 3

Figure 3 shows a comparison between the Existing and Design stopbank alignments.

References:

Tai Poutini Resources (2022). RE: RC-2022-0032, Stopbank Raising and construction of Waiho River – Request for further information. Letter to Mr. Bredon Russ, West Coast Regional Council, 5 April 2022.

Tetra Tech Coffey, 2021. Franz Josef Stopbanks – Scour and riprap calculations, and stopbank design. Memorandum to Land River Sea Consulting dated 10 November 2021, p14.

Land Sea River Consulting Ltd, 2021. Franz Josef Stopbanks, Preliminary Design Report. Report prepared for the West Coast Regional Council. 26 October 2021, p108.

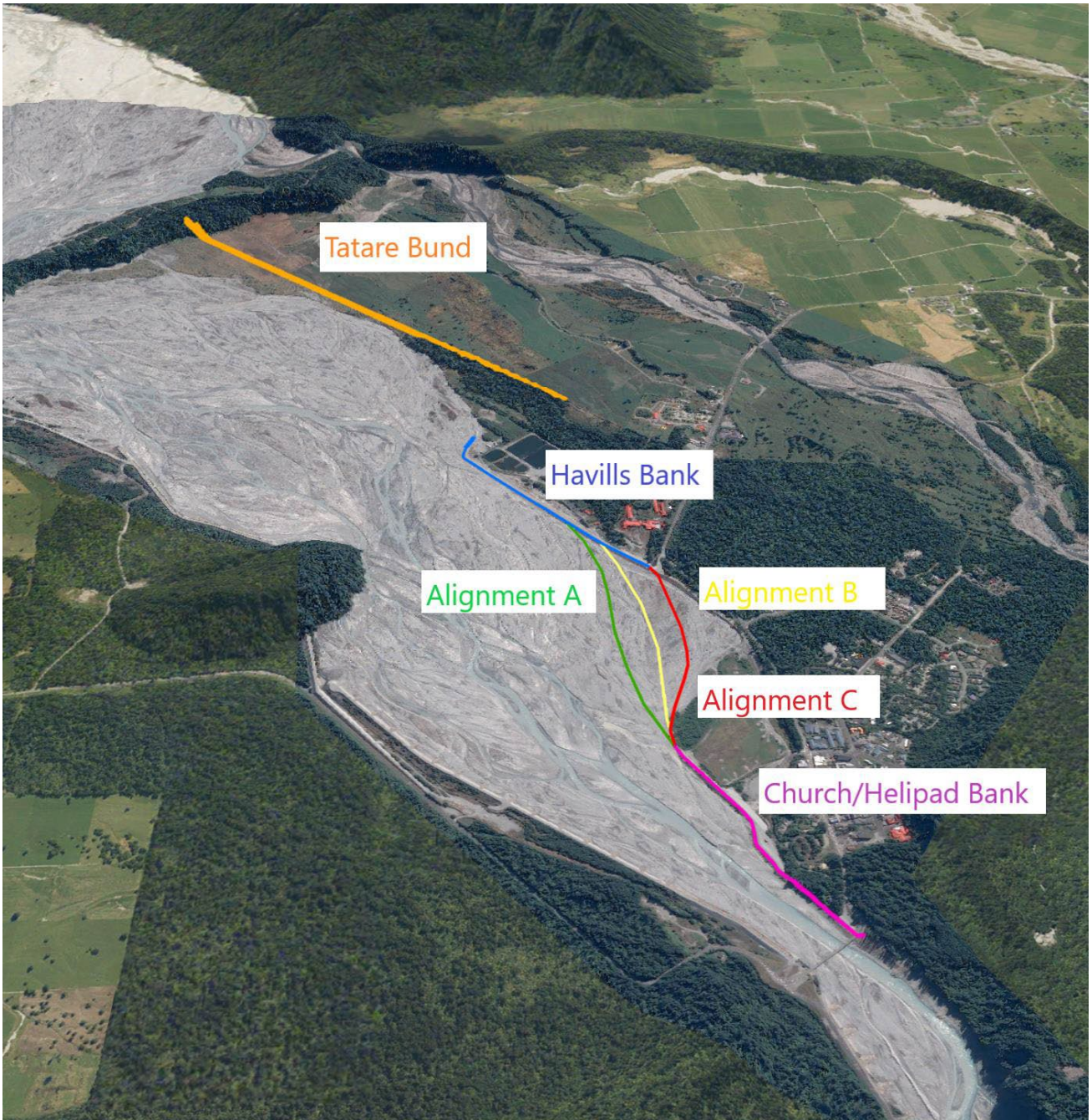
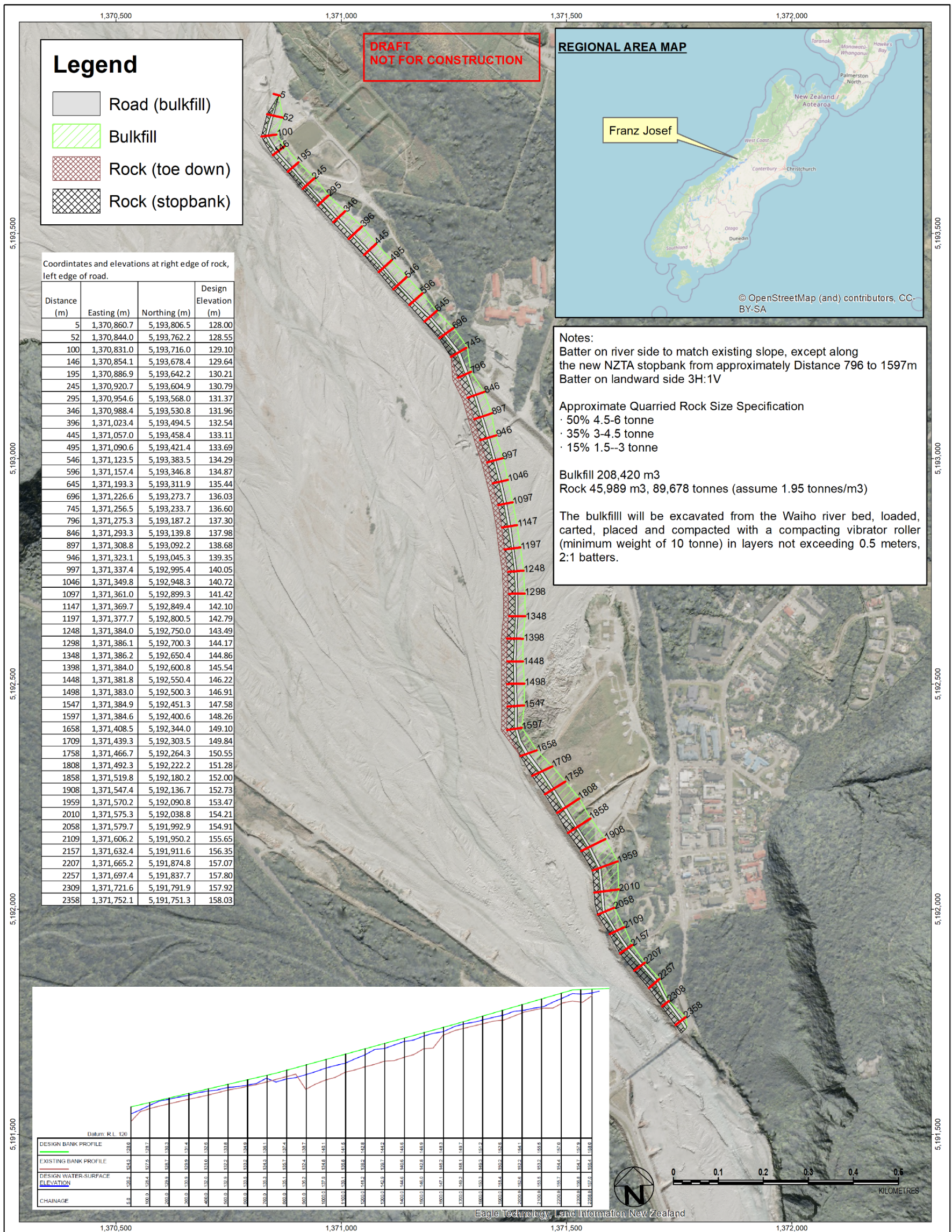
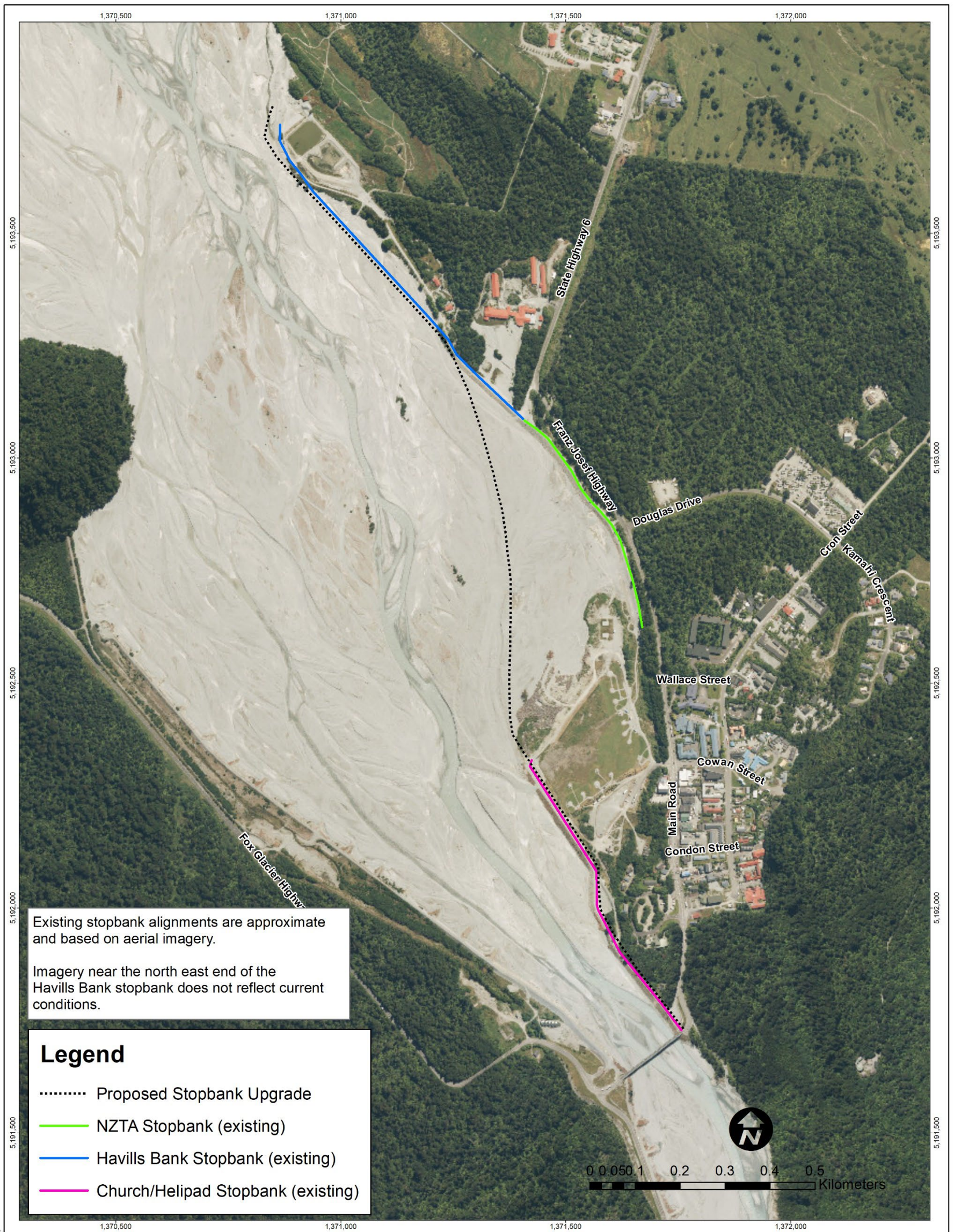


Figure 1 Stopbanks to be raised / constructed. Figure 1-1 copied from Land River Sea (2021).



no.	description	drawn	appr.	date	drawn	DBT	NZGD 2000 NEW ZEALAND TRANSVERSE MERCATOR	client: LAND RIVER SEA CONSULTING, LLC		
					approved	DBT				
					date	08.10.2021				
					scale	AS SHOWN				
					original size	A3				
A	ORIGINAL ISSUE	DBT	DBT	8 OCT 2021				project no: 773-AKLWT290497	figure no: 1	rev: A

Figure 2 Design alignment B for the Waiho River stopbank upgrade.



NZD Template Reference: Franz Josef Design Stopbanks_1	no.	description	drawn	appr.	date	drawn	DBT	NZGD 2000 NEW ZEALAND TRANSVERSE MERCATOR	client:	LAND RIVER SEA CONSULTING					
						approved	DBT		project:	FRANZ JOSEF STOPBANKS					
						date	11.05.2022		title:	EXISTING AND PROPOSED STOPBANK					
						scale	AS SHOWN		project no:	773-AKLWT290497		figure no:		rev:	A
						original size	A3								
A	ORIGINAL ISSUE		DBT	DBT	8 OCT 2021										

Figure 3 Comparison of the Existing and Design stopbank alignments.