






Forward Works Plan Westland District Footpaths



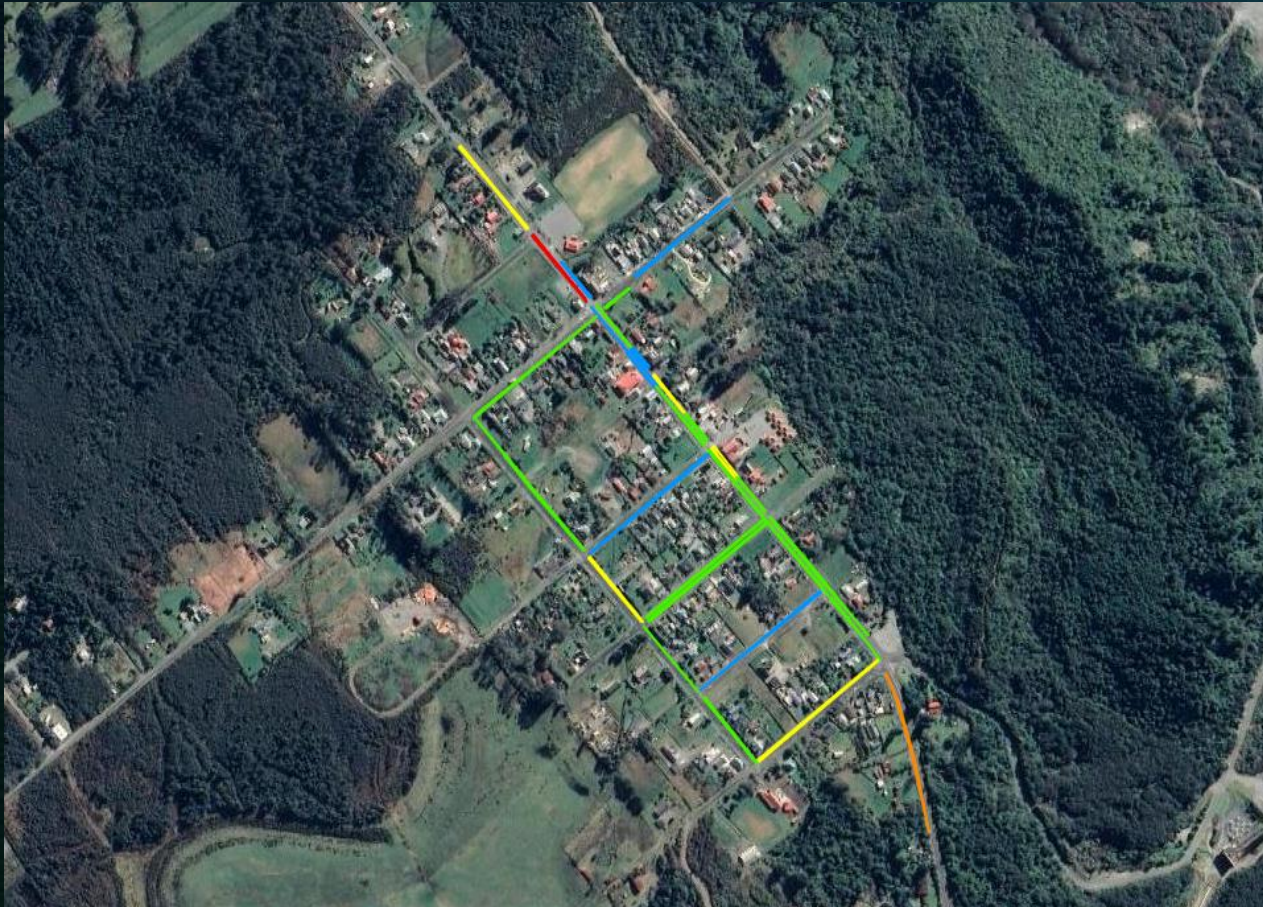
Footpath Condition Ratings

- Conducted in accordance with the IPWEA Guidelines for Footpaths and Cycleways.
- Ratings assigned based on the level of damage for a percentage of the area.
- These inspections were completed by BECA and WDC staff.
- State Highway footpaths are WDC responsibility only if speed limit is under 80km/h

Excellent	Good	Average	Poor	Very Poor
				
As new.	Minor defects up to 10% of the footpath area.	Moderate defects up to 25% of the footpath area.	Significant defects up to 50% of the footpath area.	Severe defects over 50% of the footpath area.

Condition Rating Results

- VERY POOR
- POOR
- AVERAGE
- GOOD
- EXCELLENT



Left: Kumara
Right: Ross

Condition Rating Results

- VERY POOR
- POOR
- AVERAGE
- GOOD
- EXCELLENT



Left: Hokitika
Right: Kaniere

Condition Rating Results

- VERY POOR
- POOR
- AVERAGE
- GOOD
- EXCELLENT



Left: Franz Alpine
Right: Franz Josef

Condition Rating Results

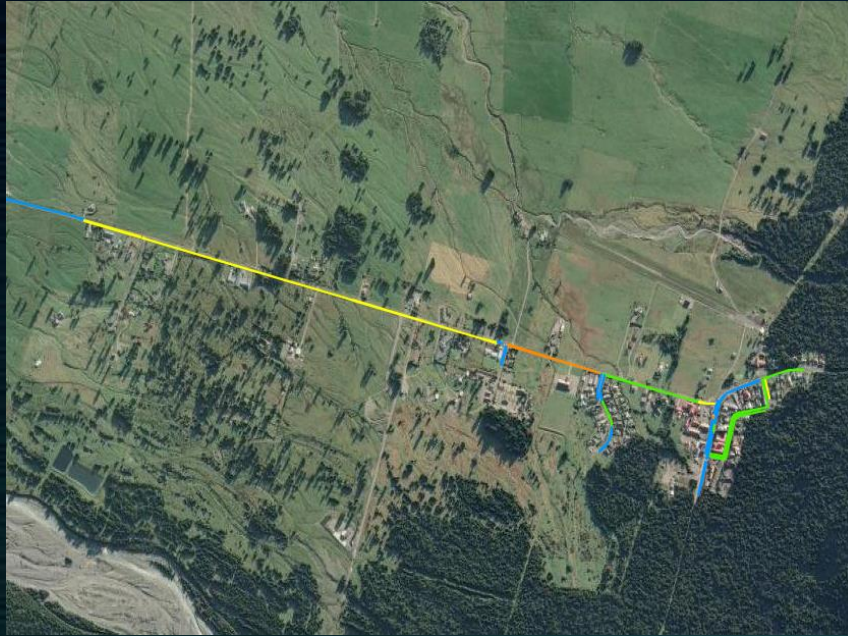
- VERY POOR
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Left: Hannahs Clearing
Right: Haast Township

Condition Rating Results

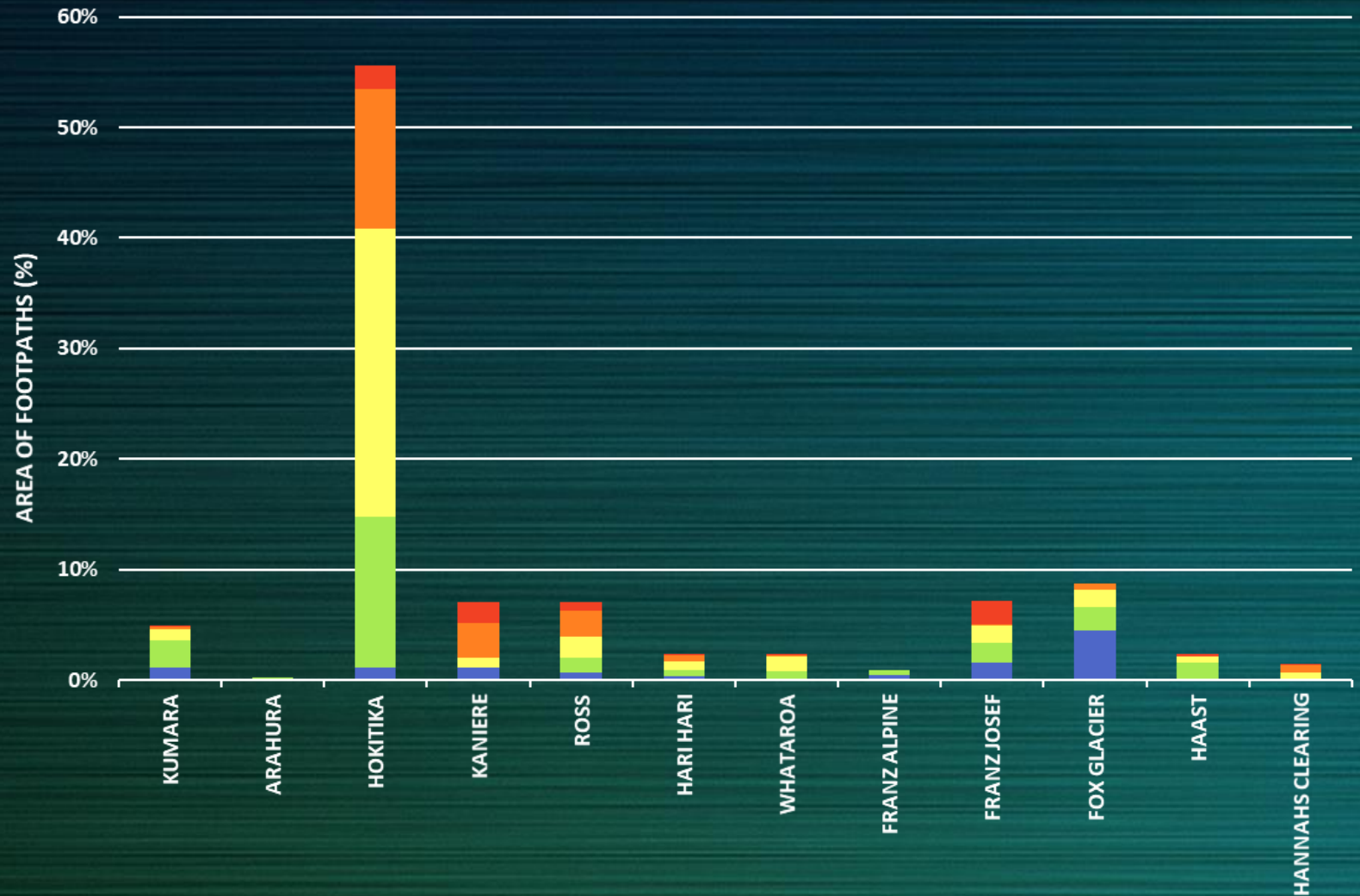
- VERY POOR
- POOR
- AVERAGE
- GOOD
- EXCELLENT



Left (above): Fox Glacier
Left (below): Hari Hari
Right: Whataroa

Condition Rating Results

VERY POOR	8%
POOR	21%
AVERAGE	36%
GOOD	25%
EXCELLENT	11%



Condition Assessment Inspections

- Focused on the poor and very poor rated footpaths as they pose the biggest risk.
- Upon inspections the following was considered:
 - Cracking,
 - Slipperiness,
 - Evenness,
 - Displacement,
 - Service Structures,
 - Ponding and,
 - Risk

Priority Factors

To aid in prioritising footpaths for repair and renewal. If a footpath is within a 200m radius of:

Condition	
Very Poor	5
Poor	4
Average	3
Good	2
Excellent	1



Location Factor	
CBD	1.5
Nursing/Church	1.25
Schools/Sport Facilities	1.2
Other	1.0



Pedestrian Volume Factor	
CBD	1.3
Schools	1.2
Sports Facilities	1.2
Churches	1.1

Accessibility Considerations

- Site visit conducted with LTP users of mobility vehicles.
 - Staff experienced the issues first-hand by using a mobility scooter.
 - Installation of grate crossings included in the FWP at identified locations.
- Contacted the blind foundation to investigate installation of tactile crossings in Hokitika, though no progress has been made regarding this.



Photos used with permission

Renewal vs Repairs & Maintenance

		21/22 – 23/24 Budget
RENEWAL	Classified as <u>replacing with a different material</u> , generally in cases where the surface is not behaving to a sufficient standard. <i>Example: Replacing a chip seal vehicle crossing with a reinforced concrete vehicle crossing.</i>	Waka Kotahi Contribution and Total \$ 71,000.00 pa
REPAIRS & MAINTENANCE (R&M)	Classified as <u>maintaining or replacing 'like for like'</u> . For this reason, it absorbs majority of the budget. <i>Example: Replacing a concrete footpath with a new concrete footpath of the exact same dimensions in the same location.</i>	Waka Kotahi Contribution \$ 76,300.00 pa Council Contribution \$ 100,000.00 pa R&M Total \$ 176,300.00 pa

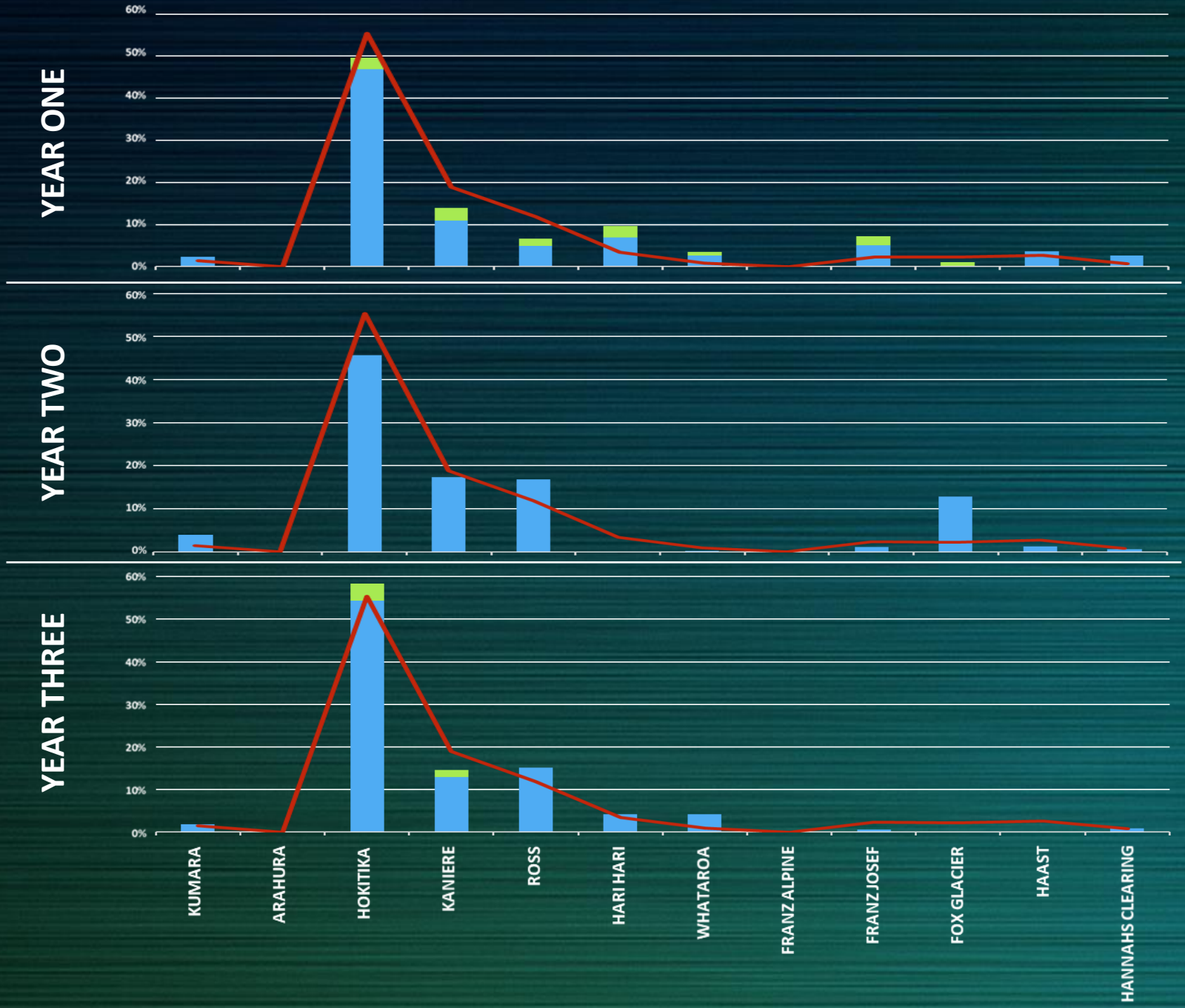
FWP Costs and Budgets

- Costs of repairing/replacing and renewing for each footpath.
 - Remaining budget is un-allocated
 - Considered when complete replacement was more cost effective.
 - Water blasting the entire area is included for footpaths identified to undergo repairs.
- Cost estimates used in the analysis were collated from:
 - Contract Rates (amended 2021)
 - Recent Quotes

	Repairs and Maintenance	Renewals
Budget	\$ 176,300.00 pa	\$ 71,000.00 pa
Year 1 Allocated	\$ 163,089.78	\$ 40,922.20
Year 2 Allocated	\$ 160,425.57	\$ 0.00
Year 3 Allocated	\$ 138,351.87	\$ 9,798.48
Total Allocated	\$ 456,666.25	\$ 50,720.69

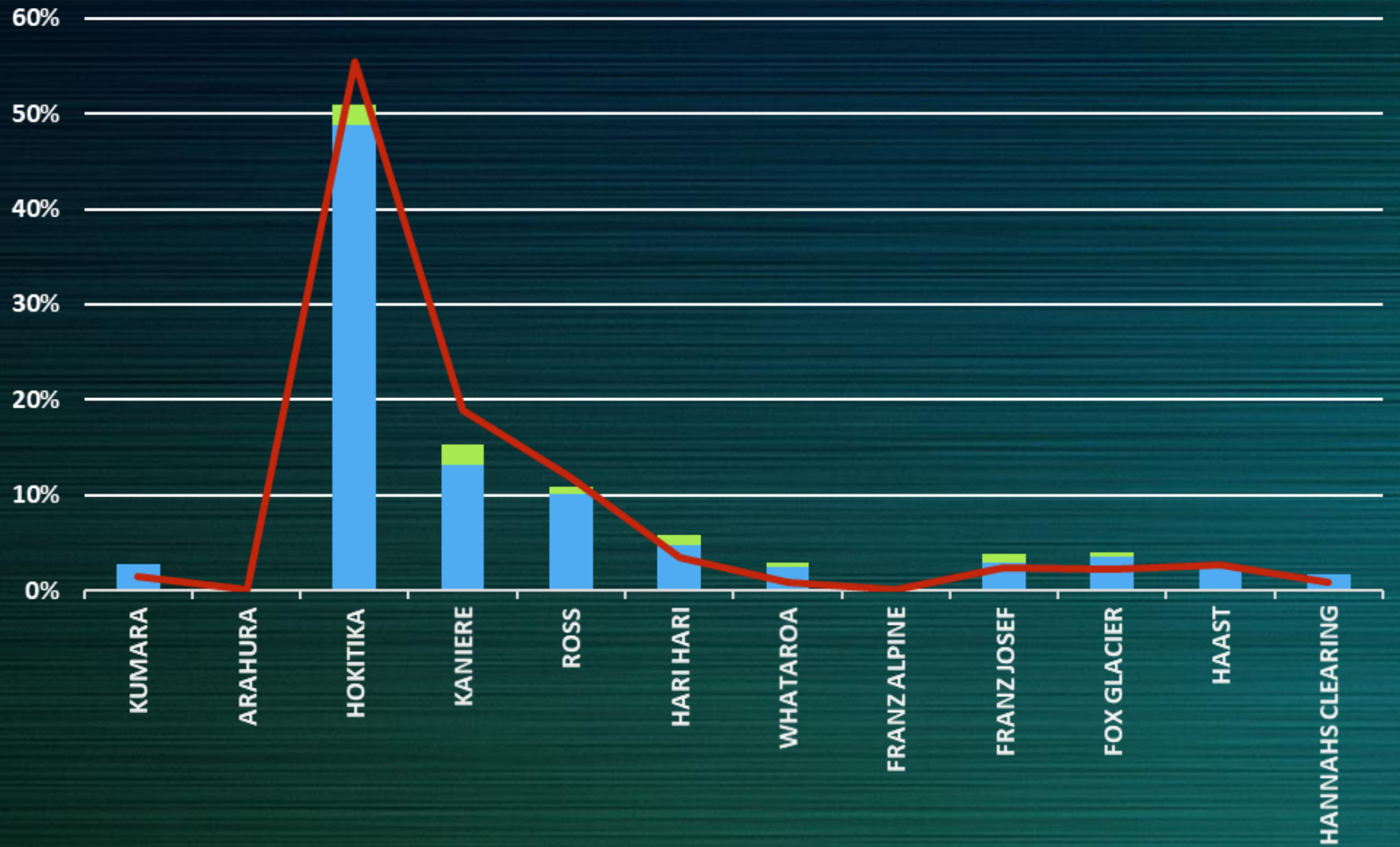
Works Distribution

- RENEWALS
- R&M
- IDEAL



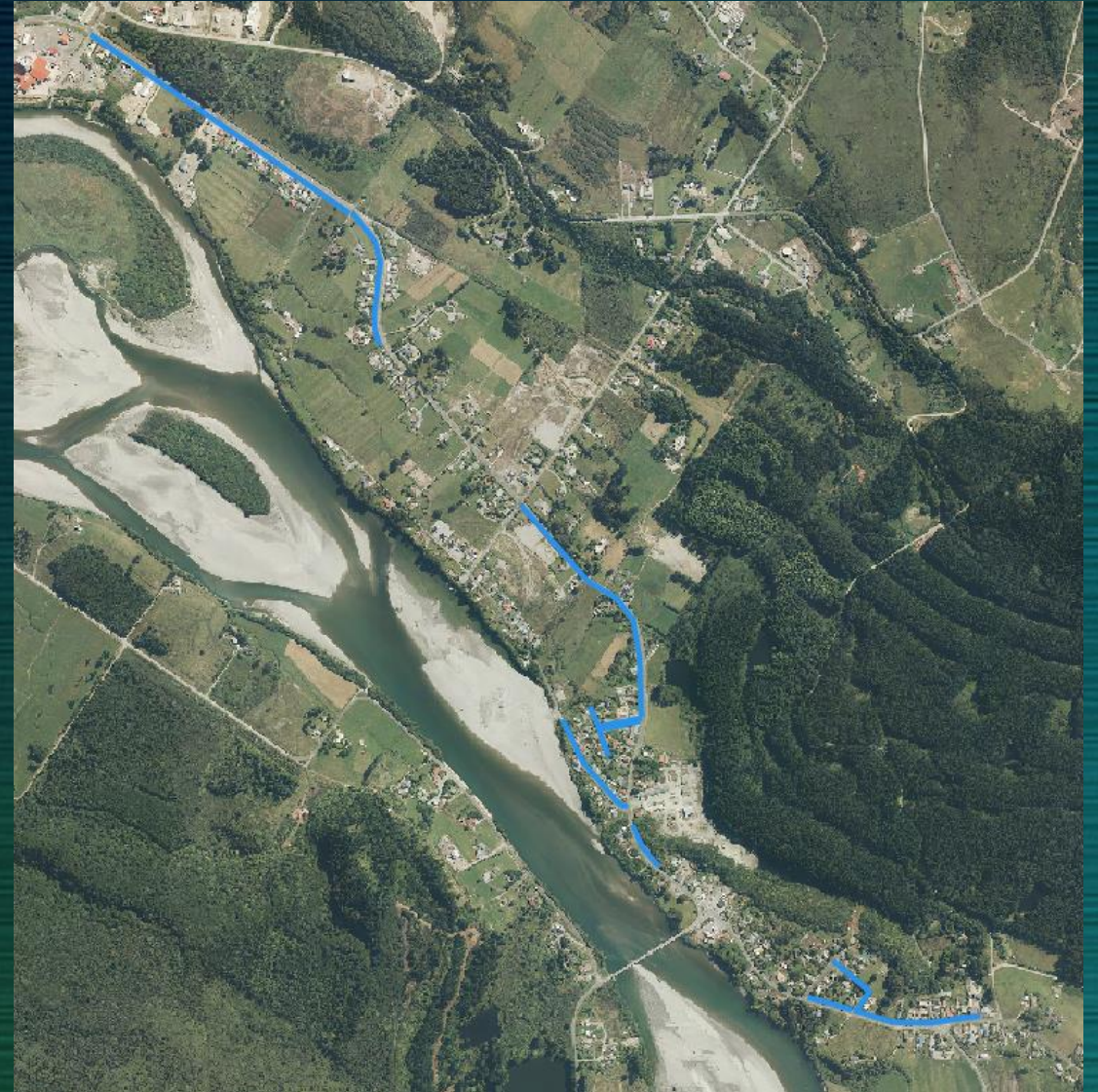
Three Year Works Distribution

- RENEWALS
- R&M
- IDEAL







Left: Hokitika
Right: Kaniere



Spatial Distribution

 RENEWALS


 R&M




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Right: Ross

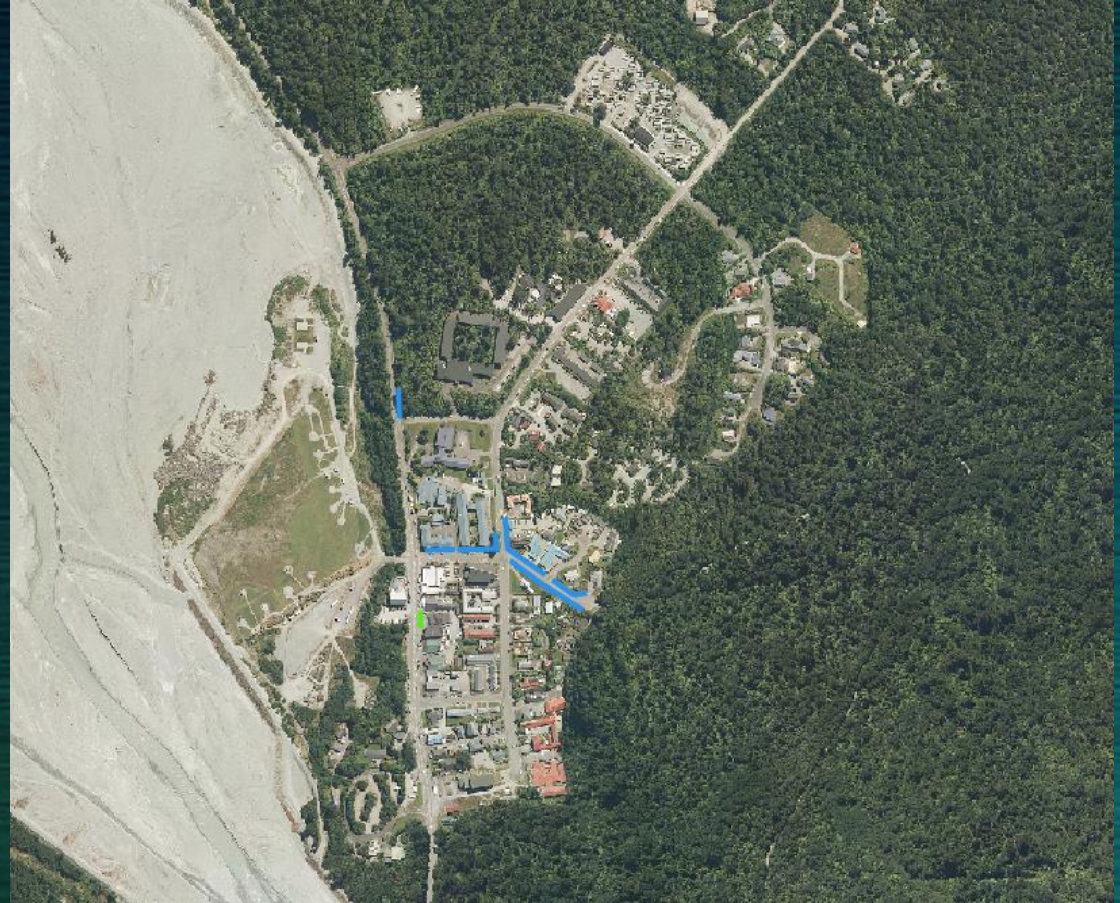


Spatial Distribution

 RENEWALS

 R&M

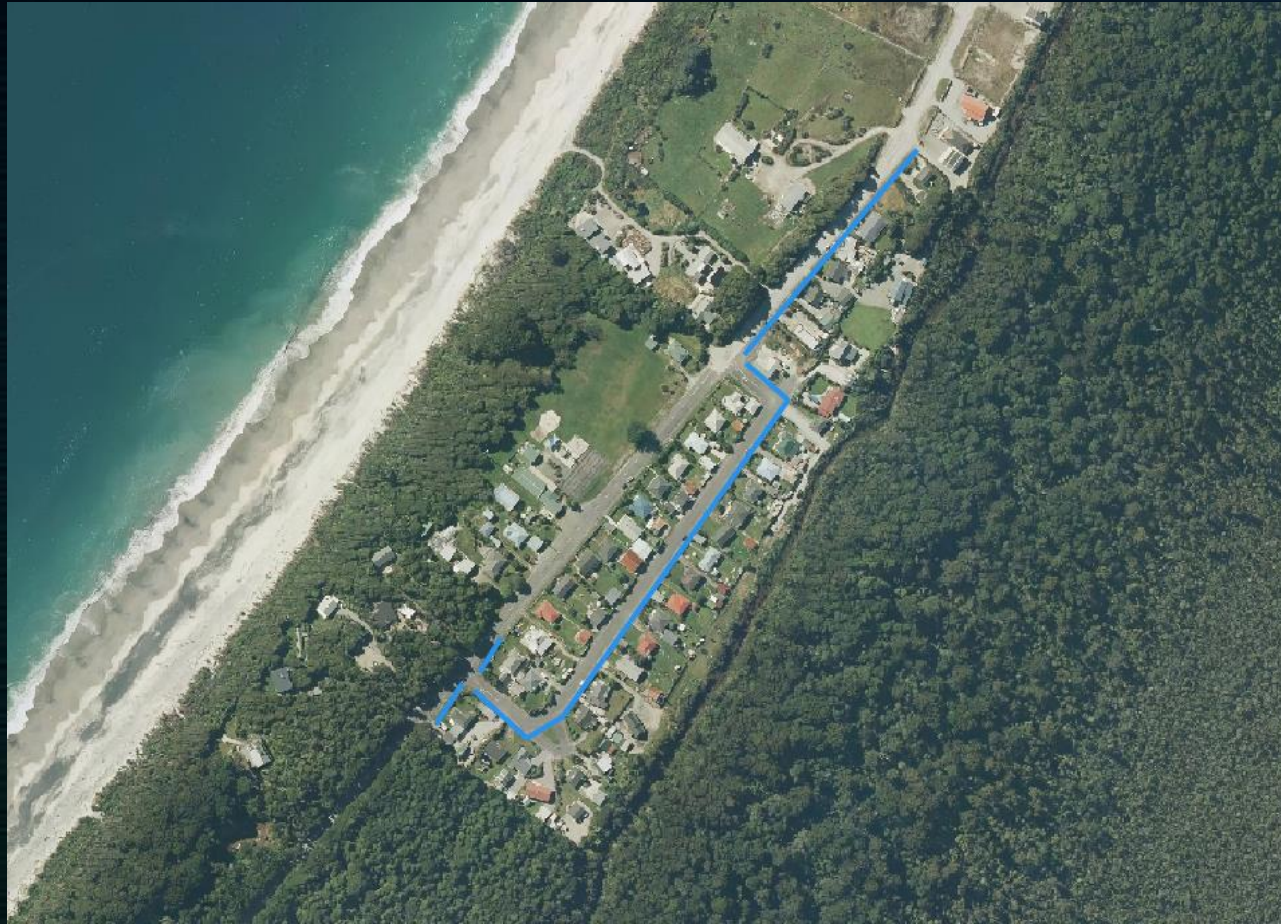
Picture: Franz Josef



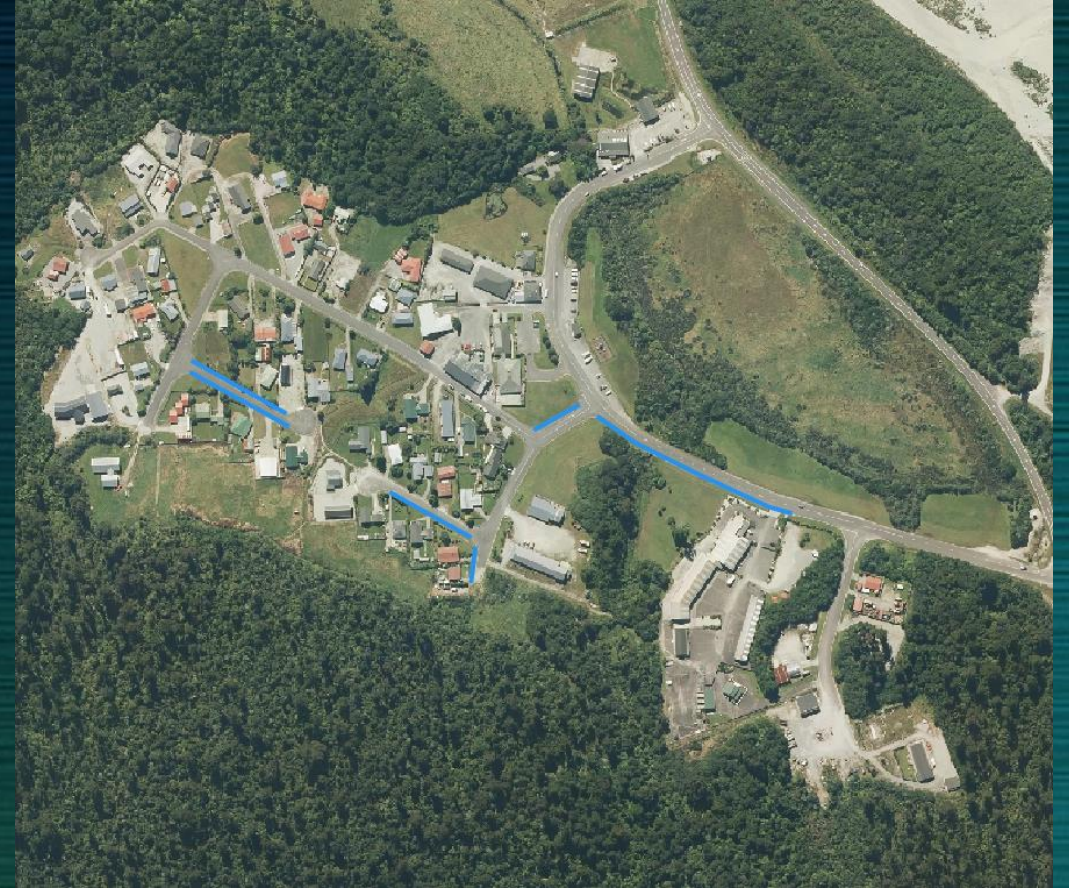
Spatial Distribution

RENEWALS

R&M



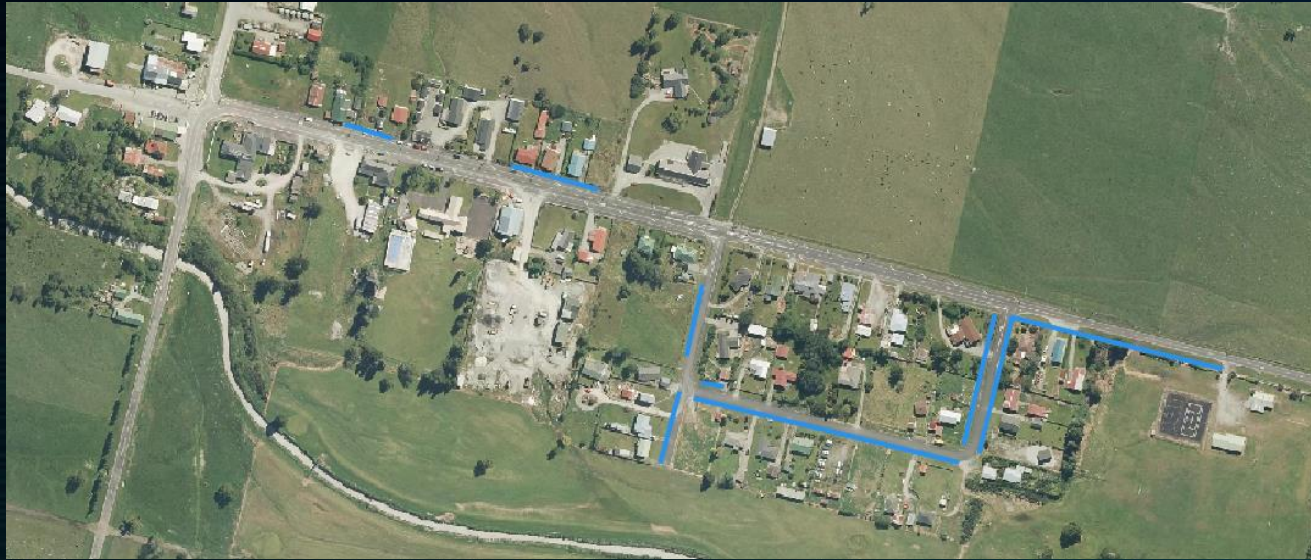
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Spatial Distribution

RENEWALS

R&M



Left (above): Whataroa
Right (above): Hari Hari
Right (Below): Fox Glacier

Spatial Distribution

RENEWALS

R&M

Next Steps

Timetable for market/delivery

- Complete detailed scope of works
- Package and Tender works
- Construction and Implementation

Aim for summer for sealing etc. subject to contractor availability