

*Photo: Pohangina River,
Pohangina Valley East Road*



Pohangina and Ōroua Scheme Meeting

16 March 2026

Pohangina Hall

PRESENTATION FORMAT

1. Budget summary - 2025-26 and proposed 2026-27
2. Event size
3. 2025-26 work programme
 - Planned
 - Delivered to date (including repairs)
4. Known locations of storm damage
5. Funding options for repairs
6. Scheme feedback & next steps

	2025-26	2026-27	Movement	
Expenditure Schemes				
Maintenance	\$279,980	\$279,998	0.0%	
Repairs	\$133,284	\$133,284	0.0%	
Internal Cost (Staff, vehicle, etc)	\$120,105	\$135,695	13.0%	
Insurance	\$1,517	\$1,393	-8.1%	
Reserve Contributions	\$60,000	\$60,000	0.0%	
External Cost (rates etc)	\$-	\$-	0.0%	
Loan Funding	\$46,913	\$46,287	-1.3%	
Depreciation Funded	\$-	\$-		
Sub total - Operational expenditure	\$641,799	\$656,658	2.3%	
Capex	\$-	\$-	0.0%	
Total Expenditure Schemes	\$641,799	\$656,658	2.3%	
Funding				
Scheme Rates	\$448,014	\$459,900	2.7%	
General Rates	\$112,003	\$114,975	2.7%	
Total Rates	\$560,017	\$574,876	2.7%	
Capital Grant Funding	\$-	\$-	0.0%	
Loan Drawdowns	\$-	\$-	0.0%	
Reserve Drawdowns (Targeted + General)	\$-	\$-	0.0%	
Other (Leases and Rental)	\$81,782	\$81,782	0.0%	
Total Revenue	\$641,799	\$656,658	2.3%	
Reserves	Closing Balance 30-06-25	Closing Balance 30-06-26	Closing Balance 30-06-27	
Estimated EM Reserve Target		17%	\$ 1,140,000	
Estimated EM Reserve Balance (Targeted Only)	\$ 91,647	\$143,359	\$ 196,806	
Difference			-\$ 943,194	
Renewal Reserve Balance	-\$ 33,821	-\$35,191	-\$ 36,528	
Loans	Closing Balance 30-06-25	Closing Balance 30-06-26	Closing Balance 30-06-27	Remaining Loan Period 30-06-27
Loan Balances	\$433,967	\$405,497	\$375,430	11

Pohangina - Ōroua



Rates

Up 2.7%

Drivers

Staff costs

Reserves

11% of target. Rebalancing required (some negatives)

Of note

Scheme has landowner contributions for some works. Challenging scheme where demand outstrips funding available

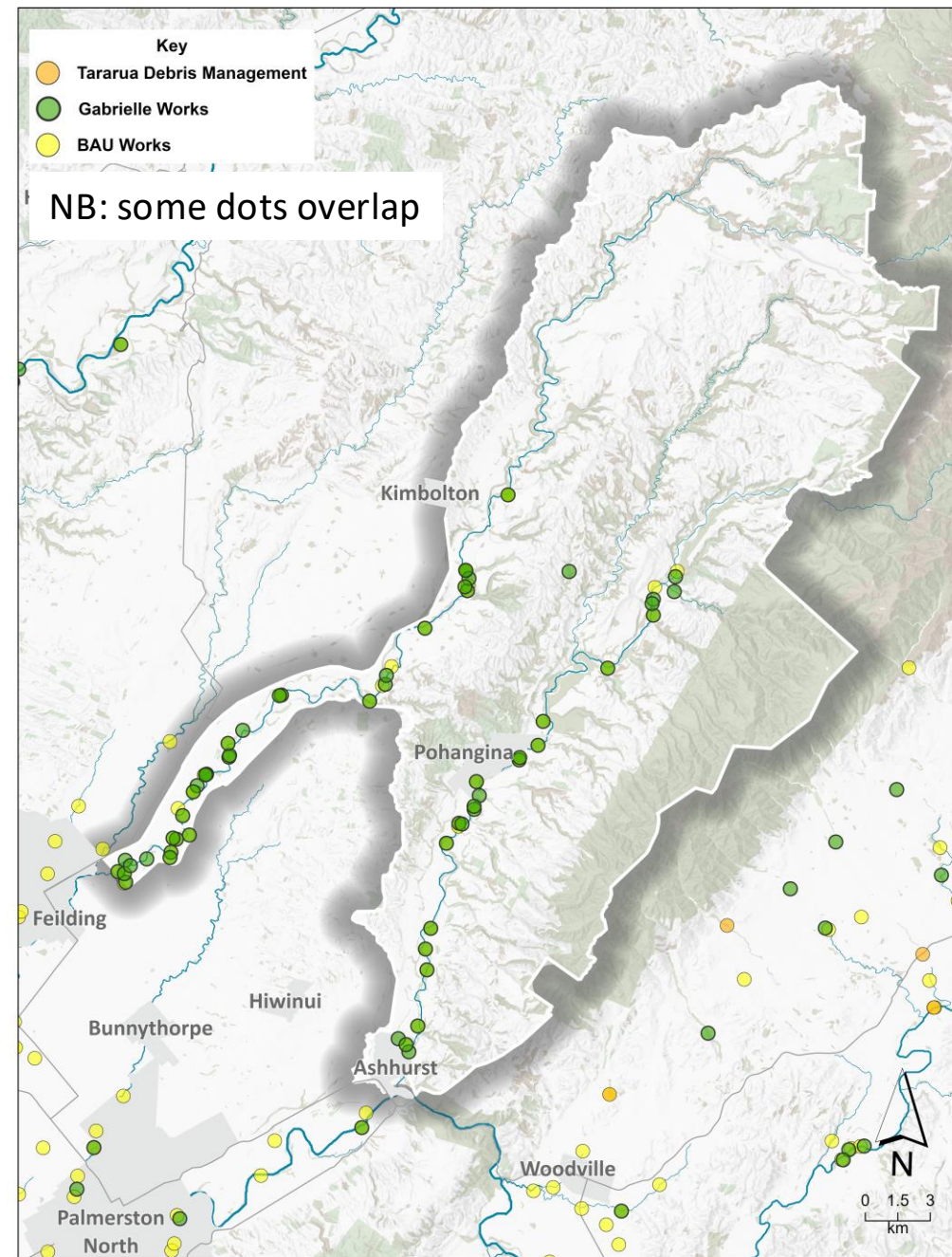
SCHEME FINANCIALS 2022 TO 2024

Expenditure

- Gabrielle works - 57 jobs delivered valued at \$2.448M (Feb 2023 to June 2024)
- Total Scheme expenditure (opex and capex) between July 2022 and June 2024 is valued at \$5.0M (including flood resilience projects in the Pohangina)
 - 2022-23 \$2.3M
 - 2023-24 \$2.7M
- Original Budgeted Expenditure for the two years was \$1.153M
 - 2022-23 was \$0.695M and
 - 2023-24 was \$0.458M
- Budgeted spend \$1.143M, actual \$5.1M (\$3.95M more than budgeted)
- Of the \$5.1M approximately \$1.3M was asset write offs

Funding Over 2022-23 and 2023-24 period

- Rate Take - \$1.64M (Incl. General and Targeted rates)
- Loan Drawdown - \$0.50M
- Landowner Contributions - \$0.78M
- Govt Contributions - \$0.164M
- Insurance \$0.05M (Tōtara Reserve)
- Pohangina-Ōroua Scheme Reserve Drawdown (\$0.841M)
 - \$0.667M (22-23), \$0.174M (23-24)
- R&D General Rate Reserve - \$1.025M



River Management 2024 Works Programme
Pohangina-Oroua



Event Size

Ōroua at Almadale:

2004 = 1 to 1.25% AEP (1 in 80-100 year).

Gabrielle = 1 to 1.25% AEP (1 in 80-100 year).

Feb 2026 = 3% AEP (1 in 35 year)

Ōroua at Kopane:

Gabrielle = 5% AEP (1 in 20 year).

Feb 2026 = 3.3 to 4% AEP (1 in 25-30 year)

Pohangina at Mais Reach:

2004 = 1.5 to 2.5% AEP (1 in 40-65 year).

Gabrielle = 2% AEP (1 in 50 year).

Feb 2026 = 17% AEP (1 in 6 year)

WORKS 2025-26 - POHANGINA-ŌROUA

Works completed

- Erosion on channel edge repair works completed at 2 sites (one each on the Pohangina and Ōroua). Funded via 60/40 cost share and one repair job was resolved by pole planting. Three jobs from the repair list completed to date.
- Machine cleaned drain below Ashhurst, 100% scheme funded (one job).
- 14 sites pole planted, 100% scheme funded.
- Total 17 jobs completed.

Planned works ahead

- Aerial spray of gravel beaches originally planned for March 2026. After recent event these have been cancelled.
- Some willow layering at various sites are planned as part of maintenance program.
- A fourth channel edge repair plan from the August 2025 list is being finalised and is likely to use the remaining repair budget (job #3).

Challenges

- 8 repair costs from the August 2025 list remain.
- A further 38 repairs sites, across 28 landowners, from the Feb 2026 event have been identified, limited funds available.
- There are likely to be more damaged sites that haven't yet been reported.

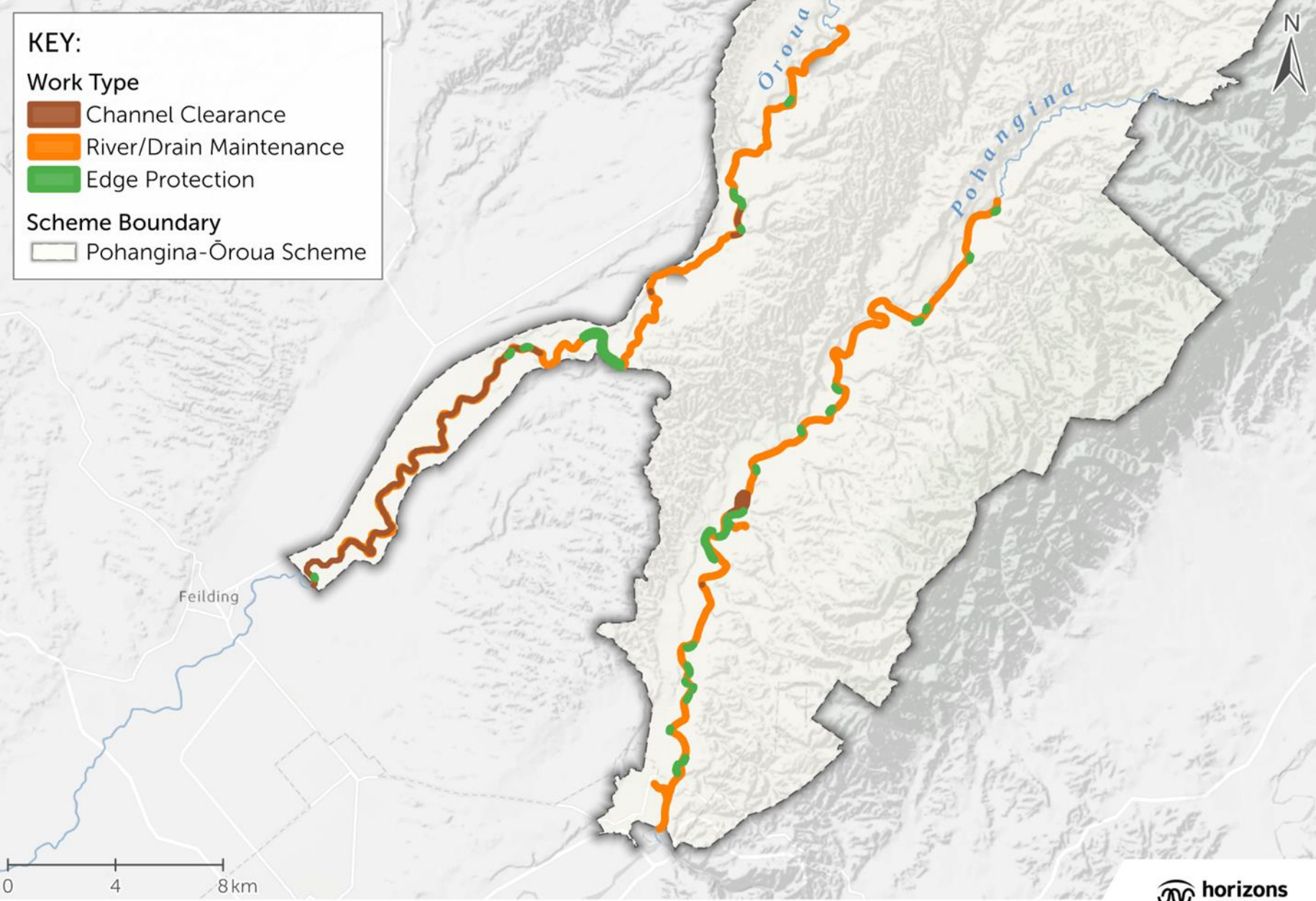
KEY:

Work Type

- Channel Clearance
- River/Drain Maintenance
- Edge Protection

Scheme Boundary

- Pohangina-Ōroua Scheme



Planned maintenance works 25-26

As planned at 1 July 2026

MAINTENANCE PROGRAMME 25-26 FINANCIAL YEAR

Pohangina-Ōroua Scheme



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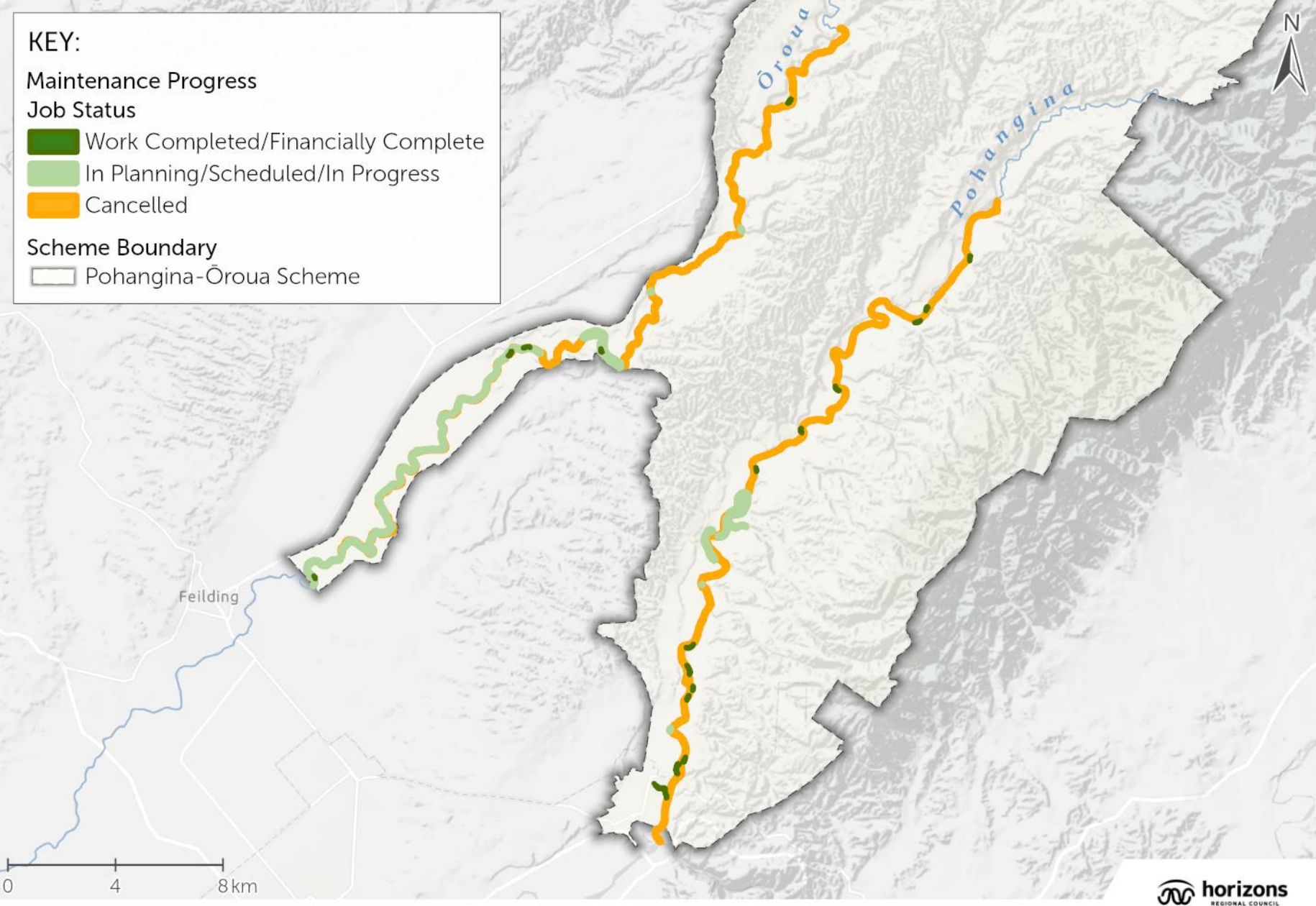
Maintenance Progress

Job Status

- Work Completed/Financially Complete
- In Planning/Scheduled/In Progress
- Cancelled

Scheme Boundary

- Pohangina-Ōroua Scheme



Maintenance 25-26

Status of works as at 13 March 2026.

Light green in the lower Ōroua River is edge protection (mulching/layering of willows).

Aerial spray operations in both catchments cancelled due to flood event.



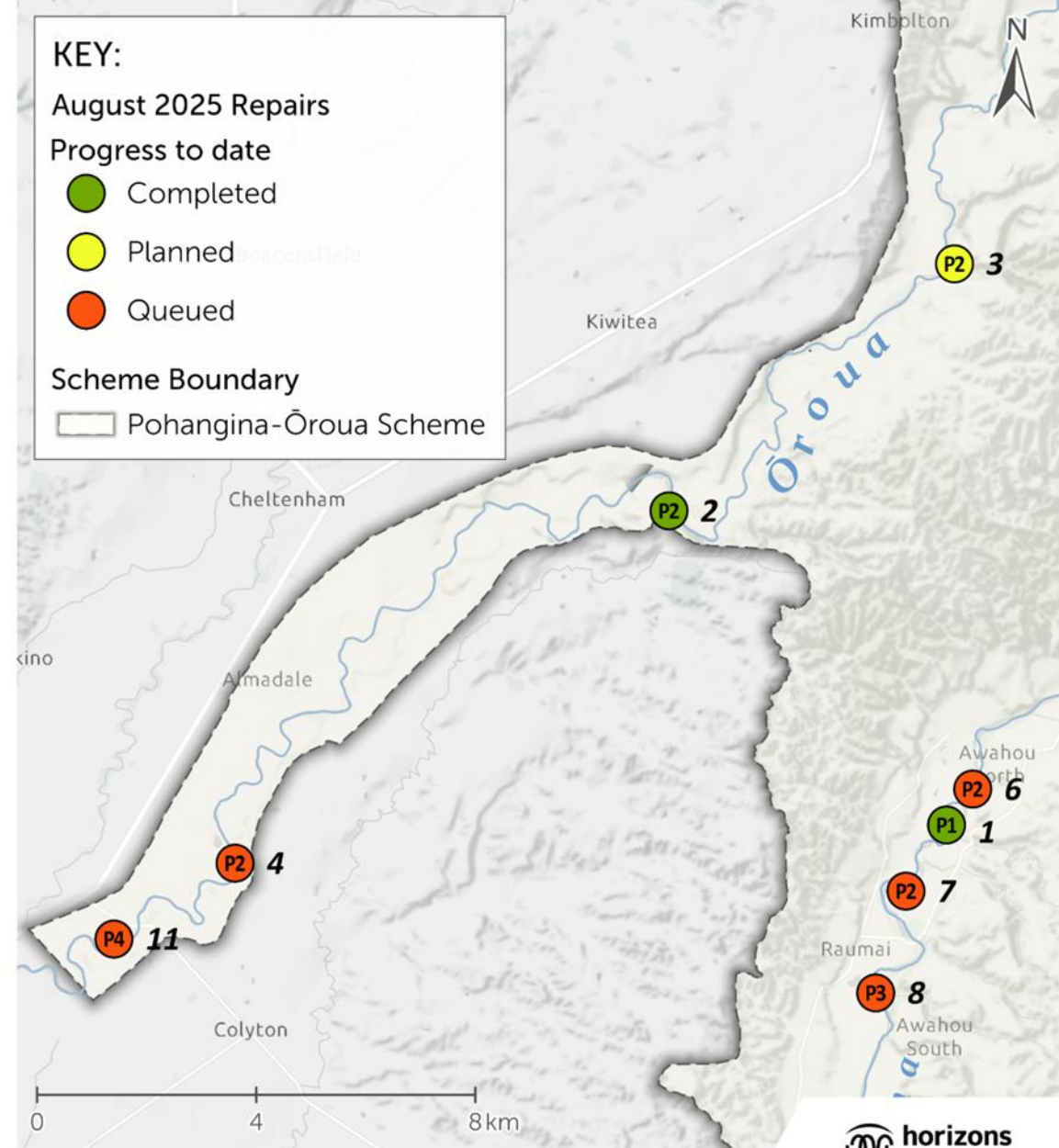
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MAINTENANCE PROGRAMME 25-26 FINANCIAL YEAR

Pohangina-Ōroua Scheme, Progress as of 13/03/2026



Order	River	Priority (as of Aug 2025)	Progress to Date	Comments
1	Pohangina	P1	Completed	Large site, tied tree works and gravel management
2	Ōroua	P2	Completed	200M EROSION, asset now in service
3	Ōroua	P2	Planned	3 sites, 1 job starting 19/03/2026
4	Ōroua	P2	Queued	Large erosion site, Farming infrastructure at risk
5	Pohangina	P3	Queued	Stitch in time, accretion land, urgent CM
6	Pohangina	P2	Queued	Small kick off groyne required or TTW
7	Pohangina	P2	Queued	Large erosion site, total asset gone
8	Pohangina	P3	Queued	Steep eroded bank, Accretion land
9	Pohangina	P3	Queued	Rock bags, Transitional work
10	Pohangina	P4	Completed	Fixed with pole planting
11	Ōroua	P4	Queued	Small kick off groyne required or TTW



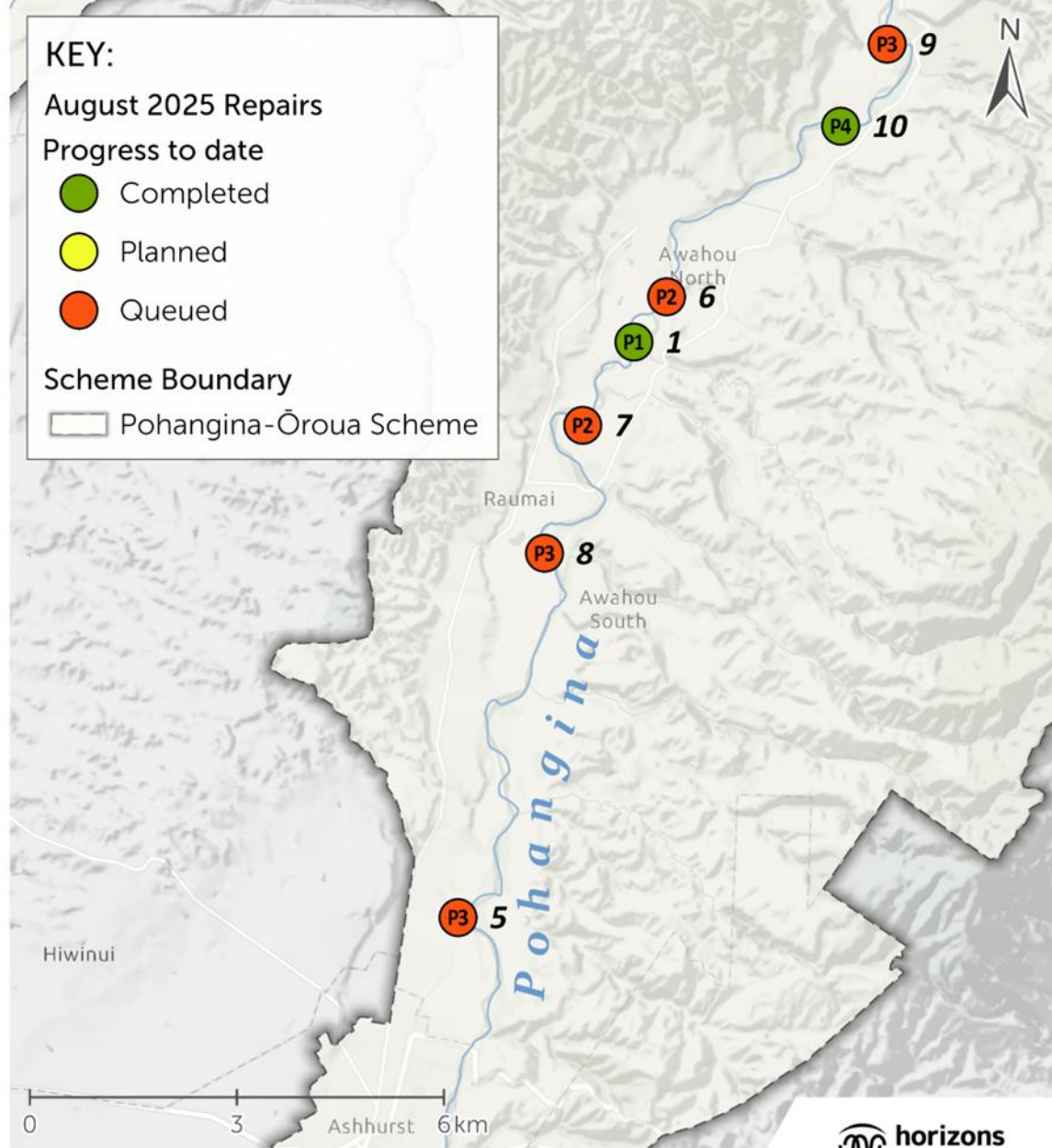
AUGUST 2025 REPAIRS - PROGRESS AS OF MARCH 2026

Ōroua River, Pohangina-Ōroua Scheme

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AUGUST 2025 REPAIRS - PROGRESS AS OF MARCH 2026

Pohangina River, Pohangina-Ōroua Scheme

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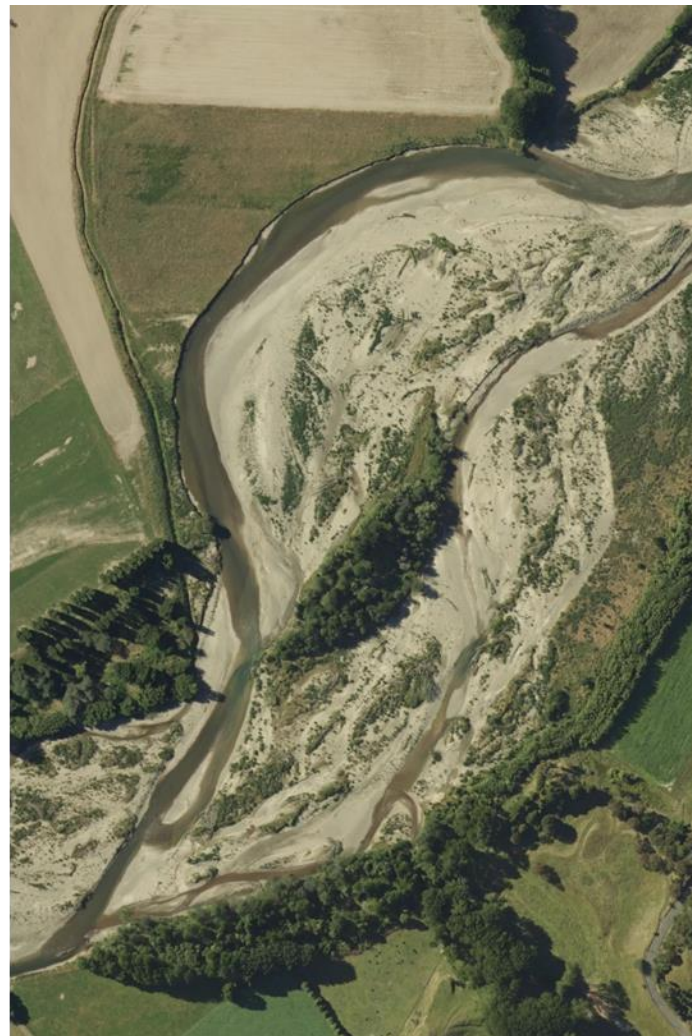
Tokeawa Stream

- Channel maintenance currently being programmed between the road and confluence with the Pohangina.
- Gravel management at the confluence may be required - this cannot be confirmed until channel maintenance is undertaken.
- Bridge to the confluence with the Pohangina is within the scheme and ECOP.

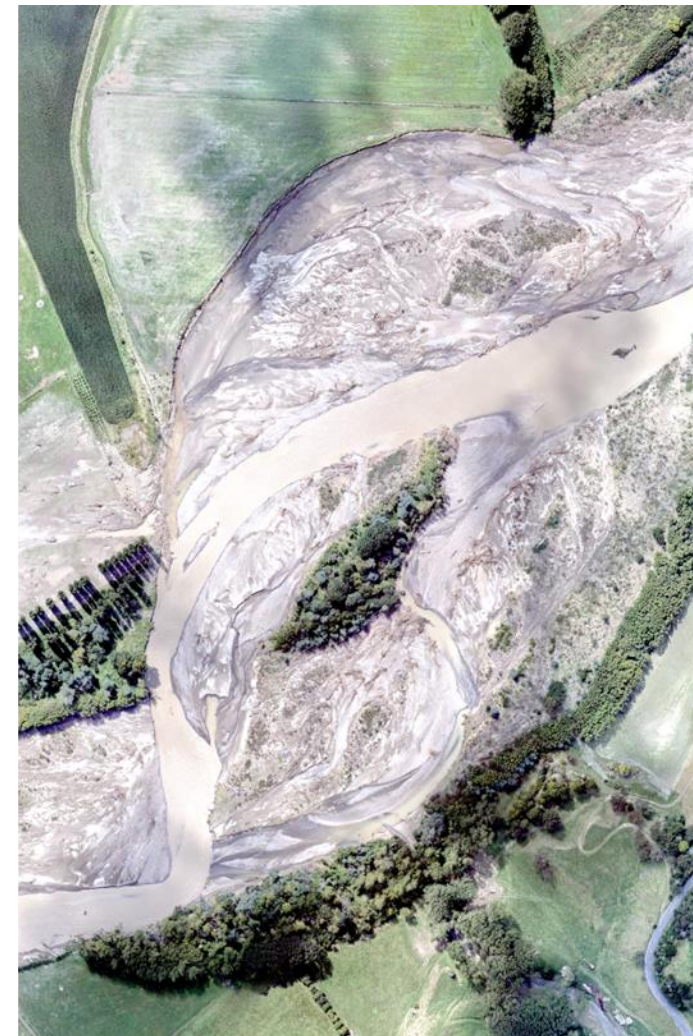
Pohangina at Te Awaoteatua Stream, river changes between 2022 and 2026.



2022



2025



2026

Pohangina River, river changes between 2022 and 2026. Top – lower Tōtara Reserve, lower Pohangina Village.



2022

2025

2026

KEY:

- Damage Assessments
- Scheme Boundary
- ▭ Pohangina-Ōroua Scheme



DAMAGE ASSESSMENTS
 Ōroua River, Pohangina-Ōroua Scheme



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DAMAGE ASSESSMENTS

Pohangina River, Pohangina-Ōroua Scheme



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Currently known damage

River	Land owner	Site 1 (m)	Site 2 (m)	Site 3 (m)	Engineer's estimate	Landowner	Horizons scheme	Priority	Comment	Difficulty
Ōroua	1	120			\$58,000.00	\$34,800.00	\$23,200.00	1	LUC issue, powerline exposed to bare riverbank	Medium
Ōroua	2	10	70	250	\$45,000.00	\$27,000.00	\$18,000.00	1	Large cowshed at risk, planting on the big site	Easy
Ōroua	3	10			\$3,500.00	\$2,100.00	\$1,400.00	1	Hole appeared at top end of recent works	Easy
Tokeawa	4	0			\$10,000.00	\$6,000.00	\$4,000.00	1	Channel maintenance of stream urgently required, flooding house	Medium
Ōroua	5	40			\$10,000.00	\$6,000.00	\$4,000.00	1	Small hole opening up	Easy
Ōroua	6	150			\$60,000.00	\$36,000.00	\$24,000.00	2	Steep bank erosion	Medium
Pohangina	7	40	60		\$40,000.00	\$24,000.00	\$16,000.00	2	Yet to visit	Easy
Pohangina	8	100	100		\$90,000.00	\$54,000.00	\$36,000.00	2	High bank erosion of rocks, yet to visit upstream	Hard
Pohangina	9	275	360		\$40,000.00	\$24,000.00	\$16,000.00	2	Yet to visit	Medium
Pohangina	10				\$40,000.00	\$24,000.00	\$16,000.00	2	Yet to visit	Hard
Ōroua	11	230			\$75,000.00	\$45,000.00	\$30,000.00	2		Medium
Ōroua	12	40			\$10,000.00	\$6,000.00	\$4,000.00	2		Easy
Ōroua	13	300			\$100,000.00	\$60,000.00	\$40,000.00	2	Large hook into paddock	Easy
Ōroua	14	110			\$44,000.00	\$26,400.00	\$17,600.00	2		Medium
Ōroua	15	120			\$45,000.00	\$27,000.00	\$18,000.00	2		Medium

Currently known damage

River	Land owner	Site 1 (m)	Site 2 (m)	Site 3 (m)	Engineer's estimate	Landowner	Horizons scheme	Priority	Comment	Difficulty
Ōroua	16	40	260		\$85,000.00	\$51,000.00	\$34,000.00	2	Yet to visit	Medium
Ōroua	17	30			\$40,000.00	\$24,000.00	\$16,000.00	2	Yet to visit	Medium
Pohangina	18	40			\$25,000.00	\$15,000.00	\$10,000.00	2	Yet to visit recent repair taken a big hit	Medium
Pohangina	19	10			\$6,000.00	\$3,600.00	\$2,400.00	2	Yet to visit, small fix up to save prior works	Easy
Ōroua	20	10	50		\$15,000.00	\$9,000.00	\$6,000.00	2	Small fix up to save prior works, realignment	Medium
Pohangina	21	30	250		\$85,000.00	\$51,000.00	\$34,000.00	2	Pole planting, realignment	Medium
Pohangina	22	240	15		\$70,000.00	\$42,000.00	\$28,000.00	2	Large new hook into paddock, pole planting site	Medium
Ōroua	23	200			\$80,000.00	\$48,000.00	\$32,000.00	2	Big hook into middle/upper end of farm	Medium
Ōroua	24	80			\$50,000.00	\$30,000.00	\$20,000.00	2	Works pre booked in, hole slightly larger	Medium
Ōroua	25	60	100		\$60,000.00	\$36,000.00	\$24,000.00	2	Gully head opening up into a giant rift	Easy
Pohangina	26	300	50?		\$100,000.00	\$60,000.00	\$40,000.00	3	Big site out of scheme, small site in scheme	Medium
Pohangina	27	75			\$45,000.00	\$27,000.00	\$18,000.00	3	Recent repair blown out, tied tree works is recommended	Easy
Pohangina	28	200			\$65,000.00	\$39,000.00	\$26,000.00	3	Accretion land at risk	Medium
						\$-	\$-			
						\$-	\$-			
					\$1,396,500.00	\$837,900.00	\$558,600.00		Date 12/03/2026	

Funding options

1. Continue to prioritize as per current budget in 2025-26
2. Revisit proposed 2026-27 annual plan budget
3. Drawdown of reserves
4. Draw down a loan, prioritize works with multiple loan options including:
 - Draw down in a single year or over two years
 - Pay back over 10 or 15 years
 - Amount \$500K, \$1 million



\$500K loan

	Annual Plan		Movement		Movement		Movement
	25/26	26/27		27/28		28/29	
Rates Scenarios							
Current Proposed Rates Increase	560,017	574,876	2.65%	588,640	2.39%	600,180	1.96%
Additional rates with a loan of \$500k:							
10 Year loan drawdown in 2025-26	0	67,246	12.0%	65,865		65,865	
15 Year loan drawdown in 2025-26	0	47,334	8.5%	45,878		45,878	
10-year loan 50% loan drawdown in 2025-26 and 50% loan drawdown in 2026-27.	0	33,623	6.0%	66,485		66,485	
15-year loan 50% loan drawdown in 2025-26 and 50% loan drawdown in 2026-27.	0	23,667	4.23%	46,312		46,312	

\$1 million loan

	Annual Plan		Movement		Movement		Movement
Account	25/26	26/27		27/28		28/29	
Rates Scenarios							
Current Proposed Rates Increase	560,017	574,876	2.7%	588,640	2.4%	600,180	1.96%
Additional rates with a loan of \$1M:							
10 Year loan drawdown in 2025-26	0	134,493	24.0%	131,730		131,730	
15 Year loan drawdown in 2025-26	0	94,669	16.9%	91,755		91,755	
10-year loan 50% loan drawdown in 2025-26 and 50% loan drawdown in 2026-27.	0	67,426	12.04%	132,968		132,968	
15-year loan 50% loan drawdown in 2025-26 and 50% loan drawdown in 2026-27.	0	47,334	8.5%	92,625		92,625	



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