///VISION ENVIRONMENTAL SERVICES

NATURE'S SOLUTIONS

Imagine a future where the Kawakawa River flows clean, native plants and animals flourish, and the community thrives. This project is about working together to restore the health and mauri (life force) of the Taumārere catchment. By blending the best of science and mātauranga Māori (traditional knowledge), we aim to create a thriving ecosystem that benefits everyone for generations to come.

CASE STUDY
NATURE-BASED SOLUTIONS (NbS) Taumārere

TASK:

To understand the opportunities for implementing NbS and restoration within the Taumārere catchment to reduce flooding, enhance ecological health and community well-being. To develop high-resolution catchment-wide risk and opportunity mapping.

PROJECT APPLICATION:

The aim of this project is to empower Ngāti Hine and the community to sustainably revitalise the Taumārere catchment using NbS that help heal the catchment, build resilience, and honour cultural values.

PROBLEM

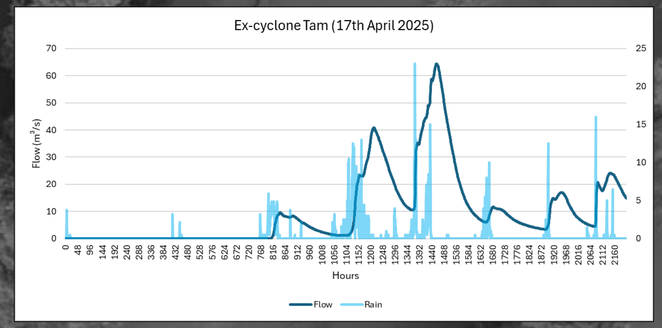
- The Taumārere catchment faces challenges such as flooding, degraded water quality, and loss of biodiversity.
- These issues impact the community's well-being, cultural connection to the land, and economic opportunities.
- Traditional engineered flood mitigation projects undertaken; however, they do not fully address the interconnected ecological and social needs within the catchment.

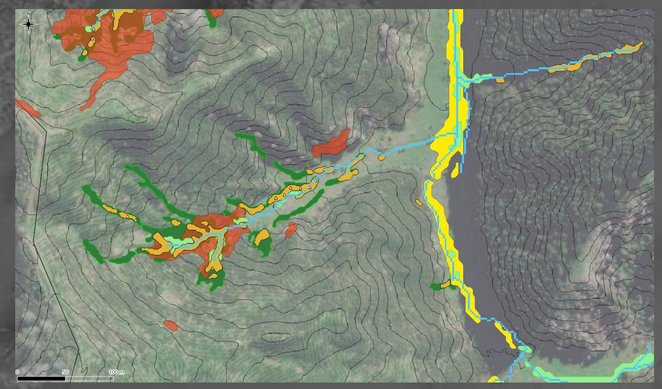
SOLUTION

- Three-Phased Approach: Prioritise community engagement, understand baseline data, find opportunities, monitor solutions, and plan for financial viability.
- Community Ownership: Foster collaboration with Ngāti Hine, landowners, and community groups so that NbS align with their values.
- Integrated Solutions: Map analysis to identify NbS sites that address multiple challenges, including flood resilience, water quality, biodiversity, and cultural connection.
- Financial Sustainability: Explore innovative funding mechanisms, including payment for ecosystem restoration and identifying ecotourism opportunities.

BENEFITS

- Enhanced Ecological Health: Improved water quality, restored hydrology, increased biodiversity, and carbon sequestration.
- Community Well-being: Increased recreational opportunities, strengthened cultural connection, and provides economic growth through sustainable practices (mahinga kai (food gathering), ecotourism, traditional agriculture).
- Flood Resilience: NbS contribute to flood mitigation while providing multiple co-benefits.
- Sustainable Future: The project creates a pathway for long-term catchment healing and resilience, benefiting both the environment and the community.





> "We believe in the power of community-led initiatives. This project will provide the tools and resources to empower the community of the Taumārere catchment catchment, ensuring a healthy and vibrant future for generations to come..."

BEN PERRY
MANAGING DIRECTOR
VISION CONSULTING ENGINEERS

VISION CONSULTING ENGINEERS

Northland REGIONAL COUNCIL
Te Kaunihera ā rohe o Te Taitokerau