PROJECT RECLAIM

Excellence in collaboration to deliver positive environmental outcomes

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Waitaki DISTRICT COUNCIL
TE KAUNIHERA Ā ROHE O WAITAKI

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Site Locations

Beach Road Uncontrolled Fill

Hampden Closed Landfill

Palmerston Landfill

Historic Waste Disposal Along Coastline

Beach Road 15m High Cliff - Rock Protection Not Effective

Hampden Closed Landfill Moving Towards Sea Exposing Waste

Palmerston Landfill Capacity to Accept Site Remediation Waste

Key Environmental Risks

Safety

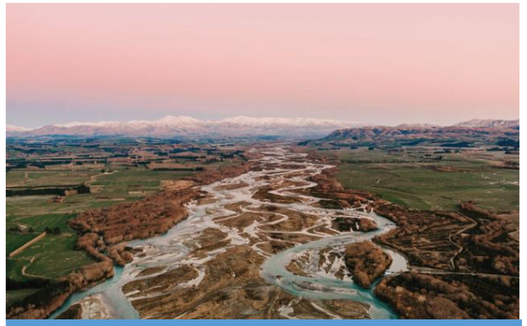
Working at heights

Traffic movements

Marine environment

Managing impact to native life (lizards and penguins) and surrounding marine life

Sediment management



Cultural

Managing discovery of sites of significance to local iwi

Infrastructure

Upgrading infrastructure at Palmerston Landfill

Closure of Beach Road Landfill

Timeline

Planning

2018 - 2022

- Risks
- Feasibility study
- Business case
- Community and iwi engagement
- Funding

2022 - 2024

Procurement and construction

- Procurement
- ECI engagement
- Design and build
- Physical works

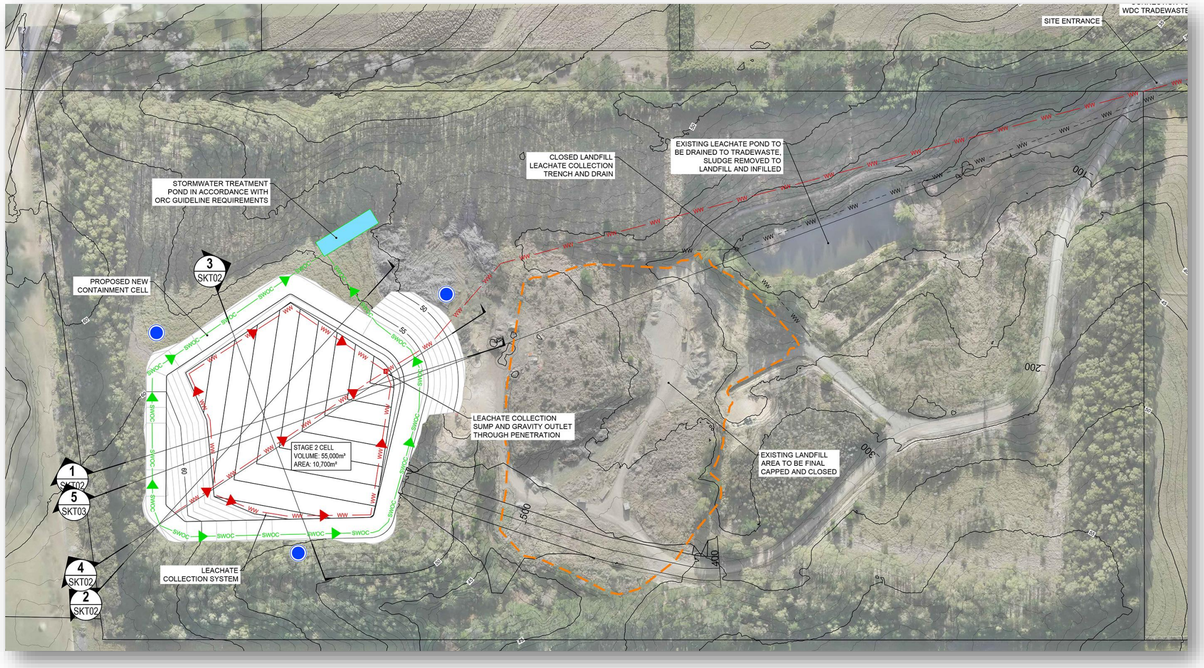
Available airspace until closure

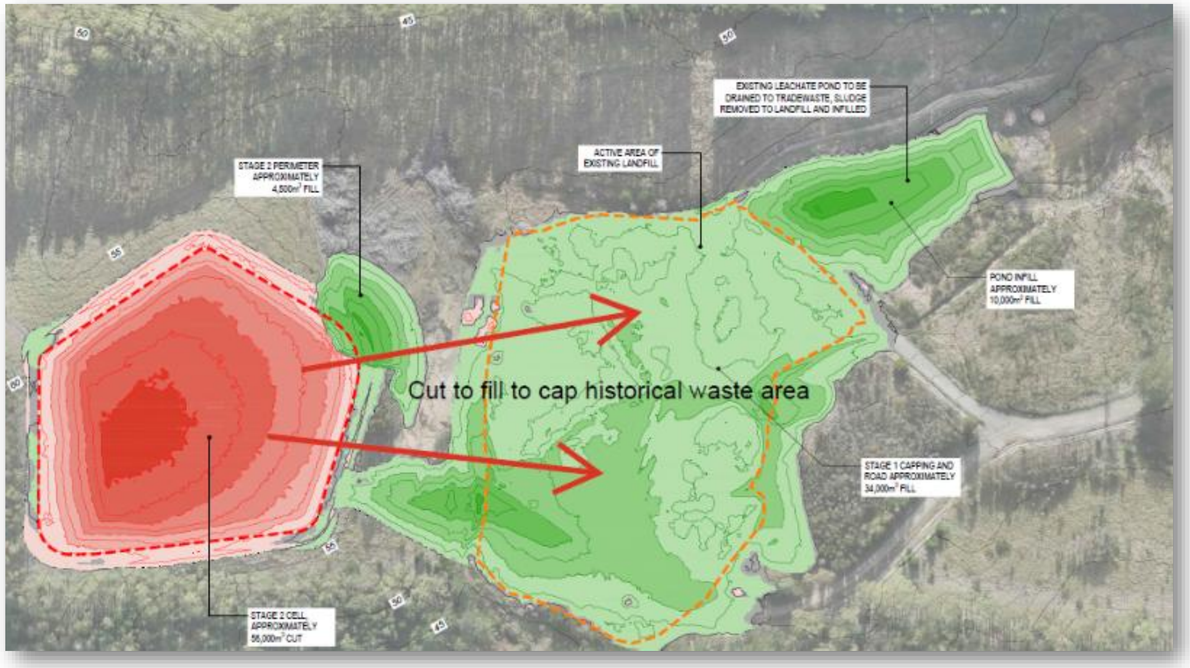
2025 - 2027

- Palmerston Landfill has remaining capacity to accept additional tonnes
- Final capping before closure

Collaborative Team Effort To Complete The Project

Design of New Class 1 Lined Cell and Capping of the Historic Waste Area at Palmerston Landfill





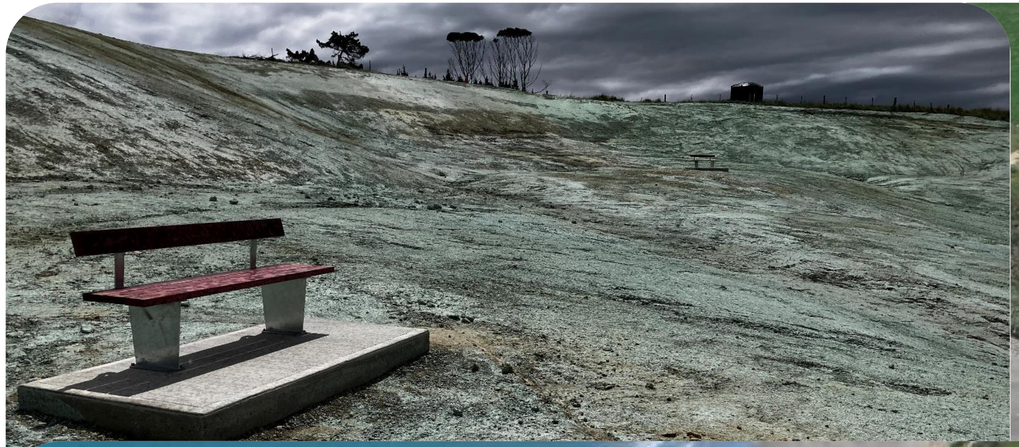
Construction of New Cell Palmerston Landfill

Alterations to leachate and stormwater systems, removal of evaporation pond

Hampden Closed Landfill Waste Removal

Beach Road Waste Removal

Final Site Restoration Hampden



Final Site Restoration Beach Road

Palmerston Landfill Intermediate Cover

Key Learnings from Project Reclaim

Many local authorities are facing similar closed coastal landfill problems

Following best practice pays off

- Significant timeframes from problem identification to project completion
- Support from MfE for ETS levy charges
- Significant cost for out-of-district haulage and disposal
- Early Engagement with contractors
- Trust and respect between parties
- Open and clear communication