

Resilient wetland restoration requires innovative wetland restoration approaches in the face of climate change. Adapting to extreme weather events and increased number of pests and pathogens. From a Te Ao Māori perspective, this requires equipping iwi, hapū, and communities to deal with climate change impacts for the future.

# Whenua Koiora: Resilient restoration of wetlands informed by mātauranga-ā-hapū. Identifying climate change impacts on wetland restoration projects involving kaitiaki Māori

## CLIMATE CHANGE IMPACTS

## RESILIENT MANAGEMENT STRATEGIES

### Wetland loss in Aotearoa

Nationally, over 90% of wetland loss has occurred due to drainage, urban development, and poor land management practices.

### Iwi and hapū aspirations

Wānanga enables the identification of iwi and hapū values and aspirations for key priority wetland sites.

### Working together to create resilient landscapes

Iwi, hapū, and marae, local communities, landowners, volunteer community groups, Department of Conservation, and local councils all working together towards common goals.

### Knowledge is power

Importance of mātauranga Māori and science and technology working together to ensure resilient approaches to wetland restoration. Observed and lived experiences of local iwi and hapū along with available public online databases, monitoring information, and historical records are valuable.

### He taonga tuku iho

intergenerational localised knowledge of mātauranga-a-hapū is passed down through the generations and ensures cultural practices persevere and adapts for future generations.

With potential loss of taonga species and mahinga kai due to climate change impacts, this will disrupt the ability for hapū to pass down mātauranga-a-hapū and tikanga [cultural practices] to future generations.

## Need help?

- Iwi and Hapū Environmental Plans
- Department of Conservation
- Local councils
- Local community groups

## Ready to start?

- Historic Image Resource | Retrolens
- Pest control monitoring | TrapNZ centralised data repository
- Information on current flora and fauna | Department of Conservation
- Species identification, information and distribution | iNaturalist
- Interactive maps for storytelling | ArcGIS Story Maps

Scan here to go to the full list of links and resources

