

# LIVING

# WATER

VISION: A sustainable dairy industry is part of healthy functioning ecosystems that enrich the lives of all New Zealanders

PŪKOROKORO/MIRANDA SITE FOCUS: Restoring and reconnecting a rural freshwater ecosystem and sensitive coastal environment using a community-led 'mountains to sea' approach

## Critical Issues

- Significantly degraded and reduced coastal shorebird habitat
- Highly modified hydrology and drainage systems to reduce the threat of tidal inundation and flooding for landowners in the lower catchment
- Increased levels of suspended sediment from hill country and stream/drain bank erosion
- Modification of the landscape in the catchment has impacted on cultural identity and activities
- Society has increased expectations of farmers/agricultural land owners in relation to water quality.

## Inputs

- DOC & Fonterra staff
- Funding \$300k/year
- Technical input
- Network of participating farmers
- Participation of key stakeholders, incl. iwi, WRC HDC

## Activities

- **Habitat expansion:** Land purchase and restoration via community trust Restoration support for public land Yarrs Flat, Yarrs Lagoon
- **Mountains to Sea:** CCS and baseline survey for mountains to sea, Influencing new drainage district, fish survey's
- **Restoration support:** For public land at Tamararie, Rangipo, Findlay Monitoring progress, telling our story and championing change
- **Strategic partnerships:** PMNT, Daltons/DOC for land purchase, est. Community Trust incl. mana whenua, operational agencies and others
- Monitoring progress, telling our story and championing change

## Outputs

- FEPs, Biodiversity Assessments on farms and projects to enhance riparian areas
- Wetland planting days, Fennel control trial, drain manipulation/restoration
- Support for PMNT and their ESAFN survey work
- Track to public viewing hide and cycleway interp.
- Baseline Surveys, Whitebait spawning sites awareness public events
- Establishing a community led trust
- Sharing learnings through website, social media, professional forums, community events

## Outcomes/Impacts

### Short term (by 2020)

- Coxhead land deal completed and Community Trust established with restoration plan in place to manage 19.6 hectares of new reserve
- Mountains to Sea project supported by landowners in the catchment
- Mana whenua are actively involved in Living Water projects and matauranga maori is integrated into our work
- Biodiversity and cultural values are included in the establishment of the Taramaire drainage district
- Western Firth Catchment Group and others are using Living Water tools and solutions to deliver their outcomes

### Medium term (by 2023)

- Increased area of habitat suitable for shorebirds
- Community ownership of Mountains to Sea project
- Mountains to Sea project demonstrates improvement in freshwater outcomes for the catchment
- Biodiversity and cultural values are improving in the Taramaire drainage district
- Living Water tools and solutions have been scaled up to other catchments in the Firth of Thames

## Long Term Outcomes

Healthy lowland freshwater ecosystems

Responsible profitable dairying

A shared understanding of the interdependence of agricultural, economy and environment (by the broader community)

