# Catchment Planning

***Working together to safeguard productive land, strengthen livelihoods, and nurture healthy land and freshwater.***

tasman district council

Te Kaunihera o te tai o Aorere

## Where we fit

**Community voice in council work:** From the election of Council members to community consultation on policies and plans, the community voice is woven throughout everything we do. This participation creates meaningful investment in the district's environmental management and improvements, and in the work Council undertakes.

**Tapping into existing knowledge:** The Environmental Science Team brings a wide range of expertise that supports catchment management and strengthens partnerships with landowners across the Tasman district. Whether it's land, water or ecosystems, we take an integrated approach to management and protection. With reliable data and expert advice, we help Council and the community make informed decisions. The Environmental Science team includes specialists in:

- Biodiversity & Biosecurity
- Soil & Contaminants
- Catchments & Land Use
- Freshwater & Estuaries
- Groundwater
- Rivers & Coastal
- Natural Hazards & Geomorphology
- Environmental Monitoring
- Environmental Data

**Supporting you in catchment planning:** Our Catchment Advisors (from the Catchments & Land Use team) are here to help you. They'll connect you to the right scientific expertise, provide access to other Council teams, and guide you with ecological and land management advice. We're also tuned in to broader community insights – so together, we can support well-informed decisions that benefit our catchments.

**Our mandates and work programmes:** We're committed to the success of integrated catchment planning, and we want to ensure we're all pulling in the same direction. Council has a number of work programmes in place, and we continue to adapt and grow our efforts to support real action on the ground. Much of our work is driven by legislation. For example, where catchments are degraded council must produce a catchment action plan to address the contaminant of concern.

### Some of our programmes

**Rivers work** - weed control along active river channels; riparian planting; bank protection; gravel management; and more…

**Waimea Nitrate Project** – underway for a number of years and resulted in a range of actions, science studies and reports. A degraded catchment, therefore requires an *Action Plan* under the NPS-Freshwater Management. Working closely with HortNZ on this project.

**Native Habitats Tasman** - Initiated to survey natural areas on private land and on public land outside the conservation estate. The information from the individual reports has been summarised into a series of publicly available ecological reports covering the whole district.

**Wetlands Project** - a project to identify and map all wetlands in the region as part of the requirements under the Resource Management Act. This will improve the ability to make good land management decisions and help both landowners and Council.

**Pest Management** - The Biosecurity team works with landowners on target species identified in the Regional Pest Management Plan.

**J4N: Fish Passage Project** - Supporting private landowners by assessing any in-stream structures (such as culverts) and completing remediation when required and within the scope of the project funding. **Wetlands Project** - Controlling weeds, planting natives and restoring natural hydrological regimes in 40 natural wetlands.

## Information – Data layers

| | | Regional<br>Future public<br>Internal only | National<br>(FCMS built from many of these) |
|---|---|---|---|
| Biophysical (Catchment Processes) | Slope | ✓ | |
| | Rainfall | ✓ | |
| | Soil | | |
| | S-map | ✓ | Maps \| S-Map Online \| Manaaki Whenua - Landcare Research |
| | Nitrogen Leaching Susceptibility | | Layer available in S-Map |
| | Bypass Flow | | Layer available in S-Map |
| | Soil Drainage | | Layer available in S-Map |
| | Soil Fundamental | ✓ | Soils Map Viewer - Manaaki Whenua - Landcare Research |
| | Hydrology | | |
| | Rivers LiDAR | ✓ | River Environment Classification (REC): https://shiny.niwa.co.nz/nzrivermaps/ |
| | Overland Flow Paths LiDAR | ✓ | |
| | Lakes | | Freshwater Ecosystems of New Zealand (FENZ) 'Lakes' November 2024 \| MfE Data Service |
| | Spring fed streams | ✓ | |
| | LandscapeDNA | | LandscapeDNA – great educational content |
| Land Management | Boundaries | | |
| | FMU | ✓ | |
| | Catchment | | |
| | Water Conservation Orders | ✓ | |
| | Tasman Land Use | ✓ | LUCAS NZ Land Use Map 2020 v003 \| MfE Data Service |
| | Land Use Capability | ✓ | Land Use Capability » Maps » Our Environment |
| | Productive Land Use Classification 2021 | ✓ | |
| | Land Cover | ✓ | LCDB v5.0 - Land Cover Database version 5.0 \| LRIS Portal |
| | Source Water Protection Areas | ✓ | |
| | Open Space Covenant | | QEII National Trust Covenants - Overview |
| Ecological Data | Freshwater Fish Database | ✓ | IBI Calculator |
| | Inanga Spawning Sites | ✓ | |
| | Fish Passage | ✓ | Fish Passage Assessment Tool (TDC more up-to-date) |
| | MCI modelling | ✓ | |
| | Wetlands | ✓ | Current wetland extent, 2013 \| MfE Data Service |
| | Bird Nesting Sites | ✓ | |
| | Native Habitats Tasman | ✓ | |
| | Ecological Districts | ✓ | Native plant restoration lists \| Tasman District Council |
| | Threatened Environments | ✓ | Threatened Environment Classification » Maps » Our Environment |
| | eDNA | | Explore — wilderlab |
| Other resources | **TDC Environmental Data Portal**<br>My Region/Environment (Data Portal; Data; Monitoring reports; Management) | Environmental data portal \| Tasman District Council<br>Water Quality monitoring | |
| | LAWA<br>Estuary Health; Land cover; groundwater quality; river quality | Land, Air, Water Aotearoa (LAWA) - Tasman region | |
| | | | |
| | **TDC GeoHub**<br>A place to share maps and layers with everyone | TDC GeoHub - Environmental Map Viewer (Map Layers & Data)<br>- Natural Hazards<br>- *Catchment Context (in development)* | |
| | Tasman Rural Hub – information on all things rural | - Tasman Rural Hub \| Tasman District Council | |

Thriving resilient