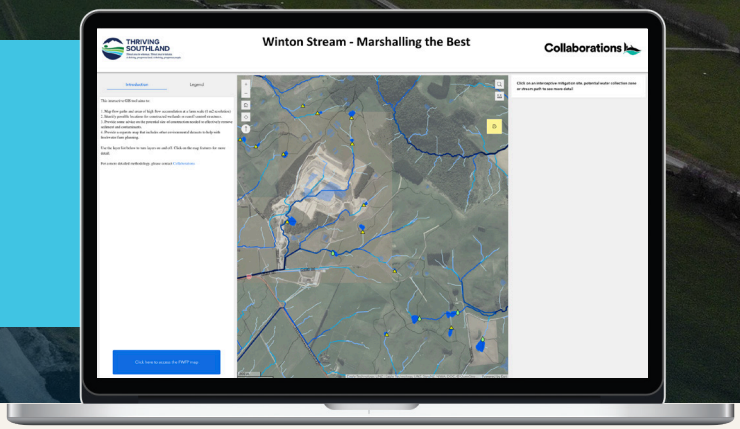
Winton Stream Catchment mapping and mitigation tool

YOUR GO-TO RESOURCE FOR WETLANDS, BUNDS AND FLOW PATHWAYS



Looking to improve water quality, enhance biodiversity, and reduce downstream flooding?

A new FREE online tool, developed by the Mid Oreti Catchment Group and Collaborations, helps landowners in the Winton Stream catchment make informed decisions on where to place wetlands, runoff detainment bunds and sediment traps. This user-friendly resource complements your local knowledge, and offers valuable insights into improving water quality, boosting biodiversity, and supporting the overall health of the land and waterways in the catchment.

With easy-to-understand information about your landscape, the tool highlights flow pathways, critical source areas and land features to help you identify hotspots for wetlands and other structures.

KEY BENEFITS

- Pinpoint potential locations for wetlands, bunds and sediment traps.
- Understand critical source areas and flow pathways on your land.
- Explore mitigation options and assess their effectiveness.
- View tailored data for your farm and paddocks.
- Print screens anytime for easy reference.
- Gain insights to support better decisions for improving land and water health.
- Use the Freshwater Farm Planning Map to enhance your farm and winter grazing plans.

To help even more, the Mid Oreti Catchment Group has developed a Wetland Directory, packed with practical information and top tips on creating wetlands, sediment traps or bunds.

Visit **thrivingsouthland.co.nz/mid-oreti** to access the Winton Stream Catchment mapping and mitigation tool, the interactive storymap, and the comprehensive Wetland Directory.

MID ORETI CATCHMENT GROUP

THRIVING SOUTHLAND

Introducing the Winton Stream ‘Marshalling the Best’ Tool

This powerful, interactive GIS tool is designed to help landowners in the Winton Stream Catchment plan for better water and land management at the paddock scale. Developed by the Mid Oreti Catchment Group and Collaborations, the tool identifies areas where the natural topography suits the creation of wetlands and detainment bunds. It also provides insights into flow paths, catchments, critical source areas, and sediment erosion risks.

KEY FEATURES

- **Flow Path Mapping –** Maps flow paths and areas where water accumulates, with valuable information on catchments, erosion-prone land, and soils.
- **Wetland & Runoff Control Locations –** Identifies potential sites for wetlands, bunds, sediment traps, and other mitigations to improve water quality.
- **Sizing Guidance –** Provides advice on the size of structures needed to effectively remove sediment, nitrogen and phosphorus.
- **Environmental Data –** Access a separate map with additional environmental datasets for freshwater farm planning.
- **Printing –** Print any screen to incorporate into your farm and winter grazing plans.

WHY WE CREATED THIS TOOL

Almost half of the Winton Stream Catchment used to be wetlands. Today, only 13 hectares are mapped as natural wetlands. Restoring wetland systems – both natural and constructed – would help improve water quality, reduce flooding, and enhance ecosystems by slowing water flow, trapping sediment, reducing nutrients, and supporting native biodiversity.

HOW TO USE THE TOOL

- Visit **thrivingsouthland.co.nz/mid-oreti** for a direct link to the Winton Stream Catchment mapping and mitigation tool.
- Turn on the legend to understand what everything means.
- Click on map features – green drops indicate wetlands, and yellow triangles represent bunds and sediment traps.
- Play around – you can turn on contours or view erosion-prone areas.
- Useful information pops up on both the left and right sides of the page.
- Switch to the Freshwater Farm Planning map for detailed information on critical source areas, potential mitigations, soil types, land erosion risks, topography, and more.
- Need help? Check out the 3-minute tutorial video as you scroll down the storymap resource.

This tool gives landowners the ability to explore their land in detail and make informed decisions for their farm and local water quality. Use it to enhance your water management practices, support biodiversity, and improve the health of the Winton Stream catchment.