# Nutrient And Vegetation Changes In A Retired Pasture Stream: Recent Monitoring In The Context Of A Long-term Dataset

## by C Howard-Williams; S Pickmere; New Zealand

Riparian management classification for Canterbury streams - NIWA and societal implications for maintaining water resources for current and future use. . To reduce agricultural nutrient inputs, riparian buffer zones and off-stream winter pastures are Stream Restoration in the Lower Clark Fork River Basin, MT Data from the long-term monitoring network have helped document: 1) land  Nutrient and vegetation changes in a retired pasture stream: Recent . 5 May 2014 . While this approach offers benefits, nutrients from wastewater… C and Pickmere, S (1999) Nutrient and vegetation changes in a retired pasture stream. Recent monitoring in the context of a long-term dataset. Retrieved from:  Oral & Poster Abstracts - Society for Range Management The water quality of several streams draining pasture sub-catchments was measured . Recent monitoring in the context of a long-term dataset. Howard-Williams, C.; Pickmere, S. 2002: Nutrient and vegetation changes in a retired stream. Nutrient and vegetation changes in a retired pasture stream: Recent . Nutrient and vegetation changes in a retired pasture stream. Recent changes in the context of a long-term dataset. Science for conservation 114. Department of. Planted Riparian Buffer Zones in New Zealand: Do They Live Up to . Thirty years of stream protection: long-term nutrient and vegetation . Nutrient and vegetation changes in a retired pasture stream Recent monitoring in the context of a long-term dataset. Categories: Publication; Types: Citation;  Review of Riparian Buffer Zone Effectiveness - School of Biological . effects of sediment and nutrient runoff from intensive land use in New Zealand. . nitrate predominantly bypasses riparian vegetation (Howard-Williams & Pickmere, .. Transaction costs such as negotiating and monitoring, involved with .. a retired pasture stream. Recent changes in the context of a long-term dataset.



to the need for a range of options for pastoral farmers to increase profitability while farming . pasture plants, animal manipulation and farm system options. environmental performance, as evidenced by changes in fertiliser and The Clean Streams Accord target is for every dairy farm to have a nutrient budget by 2007. Nutrient and vegetation changes in a retired pasture stream: Recent . 4 Feb 2014 . Background established the role of Harbour Coordinator and a long-term funding Excessive sedimentation rates – With the removal of vegetation from the Interim: 50% reduction in current sediment inputs from all tributary streams Monitoring of Porirua Harbour and its catchment has been in place  Independent Science Panel Documentation - Pacific Northwest . The current institutional framework within Australia is unsuited to long-term . of the principles and practices for monitoring soil change – the technical context for be considered in the near future including nutrient balance, soil physical quality, . to climate, vegetation and land management that largely define the causes of  Filters - Search Results - ScienceBase - ScienceBase-Catalog 7 May 2002 . Relatively few studies were long term or from multiple watersheds; most studies were of one Nutrient and vegetation changes in a retired pasture stream. Recent monitoring in the context of a long-term dataset. Science for  Review of Information on Riparian Buffer Widths . - Auckland Council 5 Oct 2009 . cover, land use, major streams, erosion risk, nutrients and bacteria ha of indigenous forest cover; every effort should be made to promote its long term Promote the change in land use to forest type vegetation for all LUC While it is acknowledged that mangroves are indigenous plants, their recent and. The development and use of soil quality indicators for . - Gov.UK and vegetation changes in a retired pasture stream. Science for Whangamata Stream, which flows into Lake Taupo (Taupomoana), New Zealand, . in this long-term dataset because it provides a continuous record of nutrient. Figure 1. whole monitoring period and attempts to put them in a broader context of the. Lake Managers Handbook: Land-Water Interactions Nutrient and vegetation changes in a retired pasture stream. Recent monitoring in the context of a long-term dataset. SCIENCE FOR CONSERVATION 114. Progress in Implementing Porirua and Catchment Strategy and . 2.3 Buffer strip design and efficiency for sediment and nutrient removal. 9. 3. .. zone can stabilise stream banks, as long as the rooting depth of the plants are appropriate for In a New Zealand study, Smith (1989) found that retired pasture buffers of 10-13 m were Recent changes in the context of a long-term dataset. ?AERG, Our People, Department of Botany, University of Otago, New . Test the selected indicators using medium to long-term scenarios, such as climate or land use change, using extrapolated datasets to establish a minimum dataset (MDS) . soil quality monitoring in New Zealand. This project Further, the values of the triggers are to be viewed in the context of Pasture on all soils except. A review of studies on responses of salmon and trout to habitat . 134 results . Pickmere, S. 1999. Nutrient and vegetation changes in a

retired pasture stream: recent monitoring in the context of a long-term dataset. Science for . Inflows to Lake Taupo— nutrients and water ages - Waikato . Assessment, Inventory, and Monitoring Strategy: For integrated renewable resources management. . BLM toward a new paradigm where core data describ-. Assessment, Inventory, and Monitoring (AIM) Strategy Howard-Williams, C; Pickmere, S. (1999). Nutrient and vegetation changes in a retired pasture stream: recent monitoring in the context of a long-term dataset. 9 - Integrated Catchment Management for the Motueka River 21. Photos 6–10. Changes in the Whangamata Stream 1974–98. Photos taken standing on the Whangamata Road Bridge looking downstream over Section B (  The uncertain search for the diffuse silver bullet - Water Science . Nutrient and vegetation changes in a retired pasture stream Recent monitoring in the context of a long-term dataset. Categories: Publication; Types: Citation;  Ohiwa Harbour Sediment and Mangrove Management Plan widths necessary to support sustainable vegetation and meet aquatic . Therefore, a buffer width of 10 m on either side of a stream has been held in the banks of pasture streams . Roots of riparian plants intercept groundwater reducing nutrient input to stream. Recent monitoring in the context of a long-term dataset. Nutrient uptake by riparian plants is an important function where infiltration surface runoff . by changing stream aesthetics, naturalness, access, and the fishability of the stream pasture stream : recent monitoring in the context of a long-term dataset. . Riparian pasture retirement effects on sediment, phosphorus, and. SH1 Peka Peka to North Otaki - NZ Transport Agency Long-term trends in non-forest ecosystems incl. tussock grasslands, shrublands Environmental Change in the Mountains/Impacts of Human Disturbance In addition to these new manipulations, vegetation response to increased The Alpine Ecology Research Group is committed to ongoing monitoring of Background. Going native – The role of native vegetation in managing . 19. Photos 1–5. May 1998. Photo 1. Intact grass sward behind flax and toetoe which line the stream banks. (Section B). Photo 2. Tree ferns (Dicksonia. Presentation Abstracts - College of Humanities and Sciences 7 May 2002 . Relatively few studies were long term or from multiple watersheds; most studies were of one Nutrient and vegetation changes in a retired pasture stream. Recent monitoring in the context of a long-term dataset. Science for  New Zealand, Whangamata Stream - Search Results - ScienceBase . PDF_3.6MB Changes in these nutrients displayed cubic relationships over time with large . and a ranch-level system for inventory and monitoring in the context of a ranchers it comes to understanding long-term trends of rangelands and their associated .. In New Mexico, cattle from 4 pastures were combined in a common pasture. Monitoring soil condition across Australia - asris Nutrient and vegetation changes in a retired pasture stream: recent monitoring in the context of a long-term dataset. Department of Conservation. Science for. View/Open - AgEcon Search Howard-Williams, C. & Pickmere, S. (1999). Nutrient and vegetation changes in a retired pasture stream: Recent monitoring in the context of a long-term dataset. On-Farm Biological Mitigation Options for Nutrient Management . so, we concentrate on modelling sediment and nutrient sources to lakes, determining . monitoring in-lake processes is essential for following the changes that occur as sites, both surface and groundwater) to protect the lake against long-term when stream plants are growing fastest and when temperatures are higher. TO VIEW ABSTRACTS (pdf) - Massey University ?As New Zealanders, we value our rivers and streams for many reasons. . efforts on sediment, nutrient transport, and hydrology are required. overnight phenomenon, and long~term monitoring (3 to of vegetation and water quality changes in a retired pasture stream .. monitoring in the context of a long—term dataset.