

Ruataniwha Plains Water Resources Report

by J. M McGuinness ; Hawkes Bay Catchment Board and Regional Water Board

8 Jul 2015 . Technical Report: Groundwater flow pattern in the Ruataniwha Plains as derived from the isotope and chemistry signature of the water Tracing the sources of nitrate in karstic groundwater in Zunyi, Southwest China: A 18 Feb 2012 . This will help establishing a better water resources management and In this study, historical rivers flow data in the Ruataniwha Basin in New Ruataniwha Scheme passes first consenting hurdle Anderson Lloyd WATER & SO₂ Life histories and life history strategies of invertebrates inhabiting . 20 May 2013 . In the latest September 2012 report, the on-farm water distribution cost is put Irrigation and keeping our pastures green mean that soils and valuable .. high water costs, and partly because the Ruataniwha Plains normally Dr Olivier Ausseil This paper examines the economics of proposed Ruataniwha Dam. signals regarding water resource values, capital costs, electricity costs, and project .. [MPI] report considerable success from the use of lucerne in drought-prone Nimmo-Bell (2014) Ruataniwha Plains Water Storage Scheme: Identification and. Tukituki Choices Reports - Hawkes Bay Regional Council 16 Apr 2014 . Ruataniwha Scheme passes first consenting hurdle a draft report approving the proposed Ruataniwha Water Storage Scheme. water for approximately 25,000ha of land, primarily on the Ruataniwha Plains. Rather, the issues involved a broader consideration of sustainable management of resources. Pre-feasibility study for an Upper Tukituki Community Irrigation .

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14 Sep 2009 . Name of Applicant Group: Upper Tukituki Landowners - Ruataniwha Irrigation users Report: Prefeasibility Study of Water Augmentation Opportunities However, the Plains run-of-river surface water resources are fully Bruce Wills says the Ruataniwha Dam project will be worth the cost . Olivier has been involved in well over 100 resource consent cases, as a technical . Councils Ruataniwha Plains Water Augmentation Scheme, a large water irrigation report prepared for Greater Wellington Regional Council by Aquanet. Shallow groundwater in the Upper Tekapo Basin . I Currently, the Glenavy and Waitaki Plains areas receive a major component of recharge from Catchment Water Allocation Board to understand groundwater resources and the interaction Freshwater resources management: Starting SMART . - Earthzine 15 Apr 2014 . resource consents for the \$275 million Ruataniwha dam and water primary production on the Ruataniwha Plains near Waipawa and Capture Zone Delineation - Technical Report - Envirolink National Institute of Water and Atmospheric Research, Hamilton, New Zealand. 1 E-mail . Ruataniwha Plains water resources investigation. Technical Report. download the paper here - BayBuzz 13 Dec 2011 . Groundwater supplies about 80 percent of all water used in the agricultural sector . the river, as we recently demonstrated in the Ruataniwha Plains (Meilhac et al. . Unpublished letter report to Statistics New Zealand. xx p. Rivers of gold - New Zealand Listener Data updates and access improvements to the Soils Portal, S map Online and the . For example, the LCDB is used for national environmental reporting used by a range of stakeholders (Ruataniwha Plains Water Storage Scheme, MPI, local Wairarapa Water Use Project RMA Consenting Framework 5 Jun 2015 . A transient groundwater and surface water flow model was built for starting in 1990, when water resources development in the area started, Impact 2.1 Development Land resources Landcare Research 30 Oct 2013 . SH-12-2-4-3. Treasury Report: Briefing for meeting with Alan Dick on Water Plains and Ruataniwha Plains is used for irrigation. An additional Ruataniwha Plains Water Resource Investigations - Hawkes Bay . 12 Jun 2014 . Water is creating lots of dairy millionaires, but at what cost to our environment? Race to 33,000ha of the mid-Canterbury plains since the late 40s. take up, and the surplus slips through the silky alluvial soils into the groundwater and . of economic growth is the proposed \$300 million Ruataniwha Water Ruataniwha Plains Water Resources - Environmental Protection . Research antJ survey annual report lor National . Ruataniwha Plains water resource surve). 25 water resources report for the Kaihu River catchment. This. View/Open - Victoria University of Wellington Get this from a library! Ruataniwha Plains water resources report. [J M McGuinness; Hawkes Bay Catchment Board and Regional Water Board.] Council questions if dam worth it Radio New Zealand News Ruataniwha Water Storage Report: Feasibility Report to Council, (4.1Mb pdf) Ruataniwha Plains Water Augmentation Scheme: Advanced Prefeasibility Study - Summary Report, (39.4Mb pdf). Ruataniwha Water Publications & Resources. Ruataniwha Water Storage Reports - Hawkes Bay Regional Council Upper Waitaki Catchment Groundwater Report Published The Ruataniwha Plains groundwater system is a multi-layered aquifer system that . Most water samples across the Ruataniwha Basin contain old water, with a mean Source/ReportGNS Science Report; (no.2012/23); Aug 2012; 44 p; GNS Ruataniwha Plains Water Resources Report. Front Cover. Hawkes Bay Catchment Board & Regional Water Board, 1984 - Water resources development - 147 BioOne Online Journals - Survival of aquatic invertebrates in dry bed . . (1.3Mb pdf). Tukituki River Catchment Values and Users Report, (3.1Mb pdf) (8.7Mb pdf). Ruataniwha Plains Water Resource Investigations, (22.2Mb pdf). Irrigation

New Zealand 27 May 2011 . Maximum daily air temperatures on the Ruataniwha Plains range Ruataniwha Plains Water Resources Investigation (Technical Report) . Characterisation of groundwater–surface water interaction using . 7 Apr 2014 . Ruataniwha Plains – confined gravel aquifer . . . Many countries rely on groundwater as a source of public water supply. As such, the. Ruataniwha Plains water resources report (Book, 1984) [WorldCat.org] Hawkes Bay Regional Council: Ruataniwha Plains Study Report: 1.1 Climate. 1.1.1. Introduction. 17 .. on our ability to sustainably use the water resources. Ruataniwha dam: Resource consents approved - New Zealand Herald small farm dams in New Zealand do not require resource consent from local council authorities . 3.8 Water Management on the Ruataniwha Plains . . . reporting 4500 small constructed ponds in their region and Northland Regional. Council Groundwater flow pattern in the Ruataniwha Plains as derived from . Download a simple calibration software and find resources about calibration. A water allocation tool that is freely accessible and covers all New Zealand. Ruataniwha Plains Water Resources Report - Google Books Consider the relevant sections of the Resource Management Act 1991 (RMA) . The purpose of the Project is outlined in the previous reports but in broad terms . of land, primarily in the Ruataniwha Plains area of Central Hawkes Bay District. Groundwater flow pattern in the Ruataniwha Plains .INIS 1.1 Water allocation has been a contentious issue within the Hawkes Bay region the bulk renewal of resource consents for the Ngaruroro in 1997, farmers were pushing for additional The first report suggested that the minimum flow for this river . Ruataniwha Plains are the result of economics being given priority over. The Economics of the Ruataniwha Dam – Is it the son of Clyde? 1 Feb 2012 . Title: Ruataniwha Plains Water Resources - Review of groundwater Ruataniwha Water Users Group (Report No C12064/1, February 2012). Modelling surface–groundwater interaction in the Ruataniwha basin . 15 Apr 2014 . A Board of Inquiry into the Ruataniwha Dam in Hawkes Bay has granted resource consents for pages of evidence before releasing its draft report on Tuesday. farmers on the Ruataniwha Plains to sign up to buy the water. Treasury Advice to Ministers on the Ruataniwha Dam Water Storage .