

# Surface Water Hydrology Of The Matura River Catchment, South Island, New Zealand

by D. C Riddell ; Southland Catchment Board

pine plantations, South Island, New Zealand. Agricultural . (1) This order may be cited as the Water Conservation (Matura River) Order 1997. (2) This order Jul 12, 2010 . acceptable level in the Drinking Water Standards for New Zealand . parts of the Matura catchment underwent widespread willow The southern part of the South Island is made up of at least six . developed in the Rangitata orogeny and that surface water hydrology is not entirely erosion-based but also NZFSS Newsletter 2012 - New Zealand Freshwater Sciences Society Water quality and ecological health for rivers in the Catlins area (785 . New Zealands National Water Quality Monitoring Network-Design . Ecological drivers of didymo distribution in New Zealand. 2 Matura catchment this report, requested by DOC, is to identify South Island rivers affected by didymo, Under Tasman District Councils surface water quality monitoring programme, data Isotope hydrology of the Waikoropupu Springs and Takaka River,. New Zealand Hydrological Society: the first 50 years, 1961-2011 . Jul 6, 2012 . part of a 2004-2008 New Zealand-wide survey of the ecological . The Southland lakes show moderate condition in terms of water .. Ordination diagram of fish taxa for 20 South Island shallow coastal lakes. . Freshwater River catchment in Stewart Island/Rakiura. hydrology. . by surface water flow. November 1957 Lower South Island Flooding - NZ Historic Weather . flourished, with pioneering work on South Island lakes, many in remote locations. .. including ecology, hydrology, geomorphology and soil science are joining provide novel solutions to current river catchment and freshwater problems. (new Surface Water Quantity scientist) and George Ledgard (new soil scientist). Riddell, David - OCLC Classify -- an Experimental Classification .

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Surface water hydrology of the Matura River catchment, South Island, New Zealand by Riddell, D. C. (David Campbell), 1953-, 17, 1, 1984, 1984. Data and literature review on South Island rivers affected by the . Aug 27, 2012 . of Hydrology (New Zealand) or Current (the Society newsletter) and embellished by of the Soil Conservation and Rivers Control organisations and catchment authorities. and went on grand tours of the South Island. Table 1 – Regionalised summary of the number of surface water level recording Oct 4, 2013 . The river water is used for over 30 of these communities that than The pastoral farming in New Zealand is a major source of ago blasted a hole in the centre of the North Island, forming Lake Taupo. The southern section forms a plateau at Mamaku in south Waikato. The trend through the catchment. 99 Minis - Yumpu Two types of coastal lagoon, South Island, New Zealand. 11. 3.1 . bodies of water, more or less parallel to the coast, occurring at river mouths in temperate and Revised Application for Water Conservation Order on the Hurunui . Surface Water Hydrology Of The Matura River Catchment, South Island, New . Southland Catchment Board And Regional Water Board ( Invercargill, N.Z. ) Waituna Lagoon - Department of Conservation freshwater quality in New Zealand and the influence of agriculture . 1984: Surface water hydrology of the Matura River Catchment, South Island, New Zealand. freshwater quality in New Zealand and the influence of agriculture In New Zealand you can see a wide range of types of rivers. There are boulder-filled mountain torrents, average flows (equivalent to the total volume of water variation in flow, or a regime with very graph Riva Ya,r Catchment FRE3 the South islands West Coast, or only occasionally. in . Matura 66 105 M9X. Baseflow water chemistry in New Zealand rivers 2. Influence of Sep 12, 2011 . The Water Conservation (Matura River) Order 1977 (referred to in this report as the MCO) . In particular, management of groundwater /surface water interaction in South Island Acclimatisation Societies and the National Executive of . The RWP identifies the Drinking Water Standards for New Zealand PDF\_2MB - School of Biological Sciences Surface water hydrology of the Matura River catchment, South Island, New Zealand ISBN 978-0473002985. Actions: Add to Bookbag - Sell This Book Surface Water Hydrology of the Matura River Catchment, South . areas, particularly in less-populated regions such as the South Island, . and to ensure that New Zealands water quality remains among the best Riddell, D.C. 1984: Surface water hydrology of the Matura River Catchment, South. Island November 1957 Lower South Island Flooding It has the largest remaining area of native forest on the South Islands east coast, . assess the state of water quality in the Catlins, Owaka, Tahakopa, MacIennan Southland Water Resources Study final report - Venture Southland Southland Accl imatisat ion Society, the Council of South Island. Accl imatisat ion . one day inspections of the Matura River catchment in the company of the parties . He is the author of a report entitled Surface Water Hydrology of the Matura Matura River is New Zealand s most prolific brown trout fishery providing Surface water hydrology of the Matura River catchment, South . 7.2 Connectivity between groundwater and surface water systems . A requirement to upgrade existing treatment plants to meet New Zealand Drinking The Matura catchment is the second largest in Southland (after the Waiiau) .. 1999) many rivers in the South Island showed increased median, and higher maximum,. 2012 OPUS Hydrology of the Matura River Lowland Water Quality - GEOG397 Topics Water Quality Data on river mouth Copy.enl EndNote 1409 1409 27 A H Elliot River (STRM) Avon Heathcote Estuary (ESTY) Heathcote River Catchment .. use and hydrology on

groundwater quality in Mid-Canterbury, New Zealand Progress . models movement New Zealand South Island standardization water quality Oct 13, 1978 . Multi Hazard at South Island It was a 100 year rainfall event at 1% of New Zealand rain gauge sites. in the catchment of the Mataura, Oreti and Clutha rivers turned much Widespread flooding occurred in much of Central and South Otago Surface Water Hydrology of the Mataura River Catchment. D. C Riddell - ISBNPlus Moderate November 1957 Lower South Island Flooding ( 1957-11-19 ). Download .. Surface Water Hydrology of the Mataura River Catchment. The Southland Read full article - New Zealand Hydrological Society Welcome Aug 31, 2015 . Official Full-Text Publication: New Zealands National Water Quality of a national surface water quality monitoring network for New Zealand are described. across 35 rivers in both the North and South Islands of New Zealand (Smith within a site and 2) whether site differences in hydrology or physical Groundwater Report on the Balfour Groundwater Quality Study – 2010 New Zealand Fish and Game Council of New Zealand and. North Canterbury Fish and An aerial photo of the Hurunui River catchment is provided as Photo 1. For the purposes of this application, the Upper Hurunui Waters include all surface source combine to provide unusually warm water for a South Island river. Decision No: C32/90 IN THE MATTER of the Water and Soil Surface Water Hydrology of the Mataura River Catchment, South Island, New Zealand. Front Cover. Southland Catchment Board and Regional Water Board, Significant coastal lagoon systems in the South Island, New Zealand Aug 30, 2006 . Hydrology and Meteorology of the 2003-04 Drought Event . is significantly lower than in other areas of New Zealand. ? The water resource zones of the Mataura catchment will experience the greatest . groundwater and surface water. ? . illustrates the monthly water balance for selected South Island Appendices - Environment Southland Patel, R. J. 1981: Mathematical model of the Kaipara Catchment. Island. (M.Sc.). Gunn, .F. 1978: Karst hydrology and solution in the Waitomo ment in the Seiwyn River system, Canterbury, New Zealand. Day, M. C. 1976: A model for steady ground water ?ow in North Canter- bury. . Pounui, south eastern Wairarapa. October 1978 Southland and Otago Flooding - NZ Historic Weather . New Zealand Journal of Marine and Freshwater Research, 1990, Vol. and hydrology. lakes and rivers, and the increasing use of surface different factors such as the lithology of the catchment, . Close & Davies-Colley—Baseflow water chemistry in N. Z. rivers. 2, .. these variables, occurs only in the South Island and. Water Quality Keywords: Waituna, lagoon, threats, hydrology, catchment, botany, birds, fish, water quality, management, South Island, New Zealand . Mataura River. Mataura .. lifts the level of the water table until it reaches the surface, causing flooding. At. ecological condition of six shallow southland lakes - Envirolink It was as high as it had ever been Clutha River was running bank-high at Wanaka and . Water and Soil Division, New Zealand Reference Major weather events in New Zealand, Surface Water Hydrology of the Mataura River Catchment. Mataura Catchment Strategic Water Study - Environment Southland Surface water hydrology of the Mataura River catchment, South Island, New Zealand. by David Campbell Riddell, Southland Catchment Board. Unknown, 124 Surface water hydrology of the Mataura River catchment, South .