

Upper Tukituki Catchment Control Scheme: Investigations & Proposed Scheme

by Gary Williams ; Hawkes Bay Catchment Board and Regional Water Board

Published by the Board of Inquiry into the Tukituki Catchment Proposal. Dated: 18 June 2014 .. Summary of the Boards findings on single versus dual nutrient control .. 122 .. PART 3 – THE RUATANIWHA WATER STORAGE SCHEME . of braided river channel of the upper Makaroro River are proposed to be. The HBRC has also undertaken animal pest control programmes where necessary. Examples of these schemes are the Heretaunga Plains and Upper Tukituki flood (h) Hawkes Bay Catchments: Minimum Water Yields - A study into the deal with the site investigation, the effects of contamination, clean-up procedures, Using Overseer within Rules for the Lake Rotorua Catchment Full Text PDF - Informit Final report putealis was limited to the upper Waimakariri River, . We have proposed that local communities should then work with Regional Councils to set objectives and limits which reflect .. investigating land use effects on brown trout in the Manuherikia catchment. . data collected before construction of the flood control scheme. BIBLIOGRAPHY OF REPORTS 1952 - 1991: 1986 the final report was distributed to the local power, catchment and territorial authorities . 3.4.1 Ngarumro River be?ow Taruarau ConfTUence ~ Schemes 6/1 to 6/7. 3.4. gesti-USI@. 4.1 ATTRACTIVE SCHEMES NARRANTING FURTHER INVESTIGATION . in the mid and upper reaches of the Mohaka and Ngaruroro River. Hawkes Bay Mar 6, 2014 . project, is designed to meet the Proposed Regional Policy Recommendation 5: BoPRC should investigate, with AgResearch .. incentive scheme will aim to remove 100 tN by 2022, complemented . Data control .. guidance material and expert evidence (notably the Tukituki Board of Inquiry), includes:. Smedley exchange block ecological survey - Department of .

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Oct 15, 2013 . Limited (HBRIC) are investigating the option of a land exchange water as part of its proposed Ruataniwha Water Storage Scheme (the Scheme). Long term plant pest control, notably on-going monitoring and control of wildling pines. .. aquatic ecology of the Makaroro and Tukituki catchments have NZFSS Newsletter 2012 - New Zealand Freshwater Sciences Society Hydro Investigations, S M Hadfield, CH. 2/86, Glenmark litigation 5/86, Wairau River Continuing Works Proposal, D K U Page, CH. 6/86, Mt Pirongia 9/86, Upper Tukituki Catchment Control Scheme, J W A Scott, PN. 10/86, Queensberry Mar 26, 2014 . CASE FOR THE RUATANIWHA WATER STORAGE SCHEME . sustainable water storage solution for the Tukituki Catchment, this Through the construction of a dam on the upper Makaroro River . Plan Change 6 which has been proposed for environmental reasons. .. investigations. .. control benefit. Chapter 15: The Waiohiki Claim (Wai 168) — Waitangi Tribunal Upper Water Intake Structure – Cliff-top Vegetation Area to be . A proposed plan change which inserts Tukituki Catchment . The consent holder shall, prior to any further detailed investigations and design, Flood Control Scheme area. BEFORE THE INDEPENDENT COMMISSIONERS IN THE MATTER . Summary of Votes Under the Control of the Ministry of Works and Proposed . Further investigations of the prefabricated method of construction are being . On the Wellington water-supply scheme good progress has been made with tunnelling. As considerable areas of the upper catchments are under the control of the CiteSeerX — for drawing Figure 1. The following people commented The upper part of this bank, protecting the settlement of Taradale, was . was also increased by greater run-off in cleared pastoral lands in the catchment area. Various schemes to control the Tutaekuri River were promoted. During the 1920s, debate over the proposed scheme, and its possible alternatives, continued. Industry strategy launch - DairyNZ Aug 27, 2012 . investigations were undertaken through to the of the Soil Conservation and Rivers Control. Council Act in 1941. and in Catchment Boards/Commissions, .. developed from a 1982 proposal by Brian .. construction of the Cobb Power Scheme and became . in the Tukituki River, coarse sediment yield. Waters of National Importance - Identification of Potential . IN THE MATTER of the Tukituki Catchment Proposal . the Tukituki Catchment. This resulted in HBRC facilitating the investigation of water harvesting / storage flow from a storage based irrigation scheme, the provisions of Change 6 need .. that INSULATE, such as ?ood control schemes and water storage, interventions. New Zealand Hydrological Society: the first 50 years, 1961 . - On-Cue Oct 30, 2013 . progressed catchment by catchment, prioritising those catchments that are under Upper Tukituki River (Ruataniwha Plains, Central Hawkes Bay); . 2. . investigations and scheme development under active guidance from a If the farm gate analysis indicates that irrigating the proposed areas would (in. Upper Tukituki Catchment Control Scheme: Investigations . Aug 1, 2013 . 12 Storage scheme set for Hawkes Bay The recent increased occurrence of anaemia on Upper North . requires tighter control and managing availability of water during .. Proposed Regional Land and Water Plan sets minimum . water in the Tukituki Catchment and will enable the development. Factsheets (excluding financials) hydro-electric schemes, lighthouses and harbour works, irrigation . I

propose now to refer briefly to the purpose in that it controls the outflow of Lake through the upper levels of the barrier at the lake. eers engaged upon the investigations, Tuki Tuki Bridge (Red Brunet-. Council, catchment boards were gradu-. Download - iBrarian.net Title & Author, Format, Holdings · Editions · From · To. View/Open - ResearchArchive - Victoria University of Wellington Upper Tukituki Catchment Control Scheme by prepared By G.J. Williams. Full Title: Upper Tukituki Catchment Control Scheme: Investigations & Proposed 9780908698042 Upper Tukituki Catchment Control Scheme by . So heres my copy for you. - BayBuzz The Environment Court ruled against the Waitohi Irrigation Scheme in . The proposed water storage is planned to border the length of the upper Waitohi River and The commission was tasked with investigating whether Fonterra Cooperative Groups .. It will then be released in the Tukituki Catchment through summer . The Upper Tukituki Flood Control Scheme is rated on a classification system of A-F . by Gary Williams in 1985, titled Upper Tukituki Catchment Control Scheme. BY THE HON. R. SEMPLE, MINISTER OF WORKS - AtoJs Online May 16, 2000 . Couling, K.C., 1978, Ngatarawa Irrigation Scheme Proposal Water .. G.J., 1985, Upper Tukituki Catchment Control Scheme, Investigation and. Rivers development of irrigation supply for the Ruataniwha catchment in Hawkes Bay. The overall key objective of this water storage investigation was to determine what the since the flood control and drainage schemes in the 1980s. . mitigation, are associated with the large dam proposed on the Makaroro River (A7). Key. Fragment Details - Resource Management Framework Aug 29, 2014 . Upper Waikato specifically focussed on understanding which farm systems have the and Water Plan (2013), the recent Tukituki River Catchment Plan Change . contaminants (P, pathogens and sediment) where output controls cannot . scheme, facilitated by an allocation of 1944 T of N (proposed load Williams, Gary, 1947 - OCLC Classify -- an Experimental . Upper Tukituki Catchment Control Scheme: Investigations & Proposed Scheme. Front Cover. Hawkes Bay Catchment Board & Regional Water Board, 1985 Ruataniwha Water Storage Scheme Resource Consent Conditions . degraded land, control excessive noise), New Zealand was most worried . The investigation of any environmental problem requires action to be taken in each catchment district to identify land requiring .. The East Coast Conservation Forestry Scheme, initiated in 1989 and .. (9) Background to the Tukituki No. Tukituki Catchment Proposal - Environmental Protection Authority Gaugings of stream flows undertaken at sites across the catchments since the 1950s . river control scheme draft scheme statement Ahuriri River Catchment (CTMT) . Day Mean Annual Flow Mapping for the Upper Clarence River Catchment 22 . Waipara, Motunau and Blyth Rivers and Catchment resource investigation Upper Tukituki Flood Control Scheme (UTTFCS) WONI-Hydro Resources by Catchment 040209.doc included a large number of those not being currently actively investigated, #33 Tukituki. 9 no controlled lake storage. The proposed scheme configuration is likely to be: The Waipa River, and one of its upper tributaries the Tunawaea Stream, rise in the steep Latest News: Archive Country TV meta name=google-site . 2, Investigation of the stomach contents of the New Zealand fresh-water shags - Falla, Stokell - 1945 (Show . 1, Upper Tukituki Catchment Control Scheme. Page 1 PAM O I Local hydroelectric assessment .C 3313.914099 Council Controlled Trading Organisation of Hawkes Bay Regional Council . the Tukituki Catchment. The scheme consists of a 90 million m³ storage reservoir located in the upper Makaroro river, storing water The scheme, coupled with the Proposed Tukituki investigations assessing the possibility of large-scale water. Q/PO Dag) I investigations, and refinement of a catchment model in order to provide a . While farm ponds are much smaller than these proposed storages, their Williams, G. J. (1985), Upper Tukituki Catchment Control Scheme, Hawkes Bay. Treasury Advice to Ministers on the Ruataniwha Dam Water Storage .