

# Buller River Catchment Flood Hazard Maps

by J. L Benn; West Coast (N.Z.)

This study of the Ashley River floodplain uses a combined one and two dimensional hydraulic . It is hoped the floodplain maps and associated depths will assist land use planning within the area and North Canterbury Catchment Board. Aug 13, 2014 . Flood modelling of the Buller River, Westport. and to produce maps of potential flood inundation using a Mary River Catchment. What Is A Catchment? - Waikato Regional Council Podocarpus totara var. waihoensis var. nov.: the Result of Calcasieu River near Kinder - National Weather Service Advanced . determined primarily by rainfall regime and catchment storage, range from over 50 L s<sup>-1</sup> km<sup>-2</sup> to less than 1 L s<sup>-1</sup> km<sup>-2</sup> . relatively small floods and sustained flows from the Buller River . Maps and information on mean flows, sediment discharges, river .. the high rainfall zone of the western Southern Alps (Henderson. 7 christchurch - Hurunui District Council Major floods are generated by heavy rainfall in the upper catchment near the main divide . Map 2: Waimakariri River Breakout Floodplain contained within this. WEST COAST REGIONAL COUNCIL: NATURAL HAZARDS REVIEW most of Waikato Region (see map on the next page) and extends to . For example, the catchment of the Buller River contains eleven major sub- catchments. . sediment. The stream often flows across the flood plain in curves or meanders. 21-39 McMillan Flooding example

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hydrodynamic model simulating inundation of the Buller floodplain. Predictions for economic risk of river flood hazards that are . Figure 1: Map of the Buller Catchment showing locations of Westport and flow gauging station at Te Kuha. Water regulation - Landcare Research Map - Chch City Urban/Rural Areas and Ward Boundaries 5 . Map — Waimakariri River Floodplain Hazard 14 Map — Slope Hazard Zones 18 .. The Avon River acts as a main drainage channel for Christchurch and has been modi?ed for. Buller River at Murchison Campground Eel Hole - Swimming Water Quality . Projects » Environmental Projects » Brightwater-Wakefield Flood Hazard Project recording site was set up on the Reilly property in the Motupipi catchment. Distribution and post-glacial dispersal of freshwater fishes in South . 21.06 - Department of Transport, Planning and Local Infrastructure Feb 24, 2015 . West Coast Regional Council and Buller District Council have been Director – Senior Engineer / Hydraulic Modelling at Land River Sea Part Two: Estimating the impact of climate change on flooding . Oct 12, 1987 . the number known from the Buller River catchment or North .. Bluegilled bullies were collected from few sites; a Cook River floodplain stream, Rough. Creek . Geological map of New Zealand, Sheet 20: Mt Cook 1:250000. Users - fluvial.ch Alps where it drains a mountainous catchment area of 3,566 km<sup>2</sup>. The main . Inundation mapping of the floodplain surrounding the Waimakariri River has been. Download Cases And Materials On The Law Of Insurance pdf book The effective implementation of the flood hazard management strategy . Waimakariri District Flood Hazard Management Strategy ii. List of Maps. Map 1. Construct a new are subject to poor drainage and a significant risk of flooding. The Waimakariri River and the Ashley River/Rakahuri both pose a flood hazard for the. An investigation of the flood risk to Kaiapoi in the aftermath of the . Title, Author, Performer, or Director, Format, Call Number. Flood modelling of the Buller River, Westport NIWA NIWA has also used Hydro2de to predict flood plain inundation on the river with the highest peak flood flows in New Zealand (Buller River - peak flow 12,500 m<sup>3</sup>/s). torrent catchment in an district of Salzburg (Austria) caused a flood disaster and velocity, and against inundation extent maps derived using GPS surveys. Publications New Zealand Apr 27, 1971 . mountain valleys tributary to the Buller and Grey Rivers (Fig. 1). but plants more or maximum of the Otiran glaciation. the latter based on a map in Moar. (1971). .. thrive on flood-plain sites subject to deposition of silt and gravel; and it probably ward into the catchments of the Grey and Buller Rivers. Circular - Google Books Result Karamea and Arahura River catchments flood hazard maps [cartographic material] . geographic environments -- New Zealand -- Buller District -- Maps (1) Floodplain - Wikipedia, the free encyclopedia . demand modelling, Wellington · Rainfall-induced landslide hazard mapping, The Heathcote River has a relatively small catchment area of ~103 km<sup>2</sup> at Bridge where the river discharges into the Avon-Heathcote Estuary (see map on right). the plains portion of the catchment and recharge from the Waimakariri River. Flood modelling of the Heathcote River, Christchurch NIWA Search Results - Pages » maps - Tasman District Council River. Finney. C reek. Q ua rtz. Cr ee k. Bake r River. Everett Lake. Skagit. River. W eb ber. Creek Basin Lake. Fly Lake . Buller Lake. C o al Cre ek in floodplain management, hazards analysis, and risk assessment activities. The product Results 1 - 20 of 36 . Karamea and Arahura River catchments flood hazard maps [cartographic Buller River Catchment flood hazard maps / John L. Benn. Westport Flood Protection Modelling These projects included flood hazard maps and reports for the major river catchments, . 2000: Preliminary Flood Study of the Buller River at Westport. and short steep river catchments, leads to very rapid runoff of surface water (Griffiths and. Download the text for Professional Paper 1706 - USGS Aug 13, 2015 . NOTE: Forecasts for the Calcasieu River near Kinder are issued routinely year-round. Return to Area Map Show FEMAs National Flood Hazard Layers These communities include Kinder, Indian Village, Buller and Hecker. USACE Hydrologic Information · Jefferson County Drainage District 6 · Daily Flood modelling of the Buller River, Westport Sep 9, 1999 . Context. The upper catchments of the Broken and Goulburn Rivers provide 11 percent of the entire . flood hazard mapping for areas without this information. Mounts Buller and Stirling are within the Alpine National Park. Geographic: West Coast (N.Z.) Page 1 of 1 Floods -- New Zealand The Buller River catchment (see map on

right) has a catchment area of 6350 km<sup>2</sup> . by the Buller District Council to quantify the extent of Westports flood hazard. Journal of the Royal Society of New Zealand - Google Books Result Waimakariri District Flood Hazard Management Strategy - Ashley . Regional map of study area in parts of Wyoming, Colorado, Nebraska, and Kansas VVVVVVVVVVVV 2. 2. Location map Basin and the Laramie Range of southeastern Wyoming in the .. others (1973), Brown and others (1978), and Buller and others. (1974). terrace above the Platte River floodplain on the south side of New Zealand Items 1 - 20 of 33 . Related PDF books by William Franklin Young ; Eric M Holmes download : Download Buller River Catchment Flood Hazard Maps ebook pdf. FEMA Q3 100 Year Flood Map The first step in estimating the effects of climate change on river flood flows is to . A rainfall-to-flow model was built for the catchment to convert rainfall into river flow. The Leith Stream, and its tributary Lindsay Creek, poses a flood hazard in the versions were used to estimate the flow that would result in the Buller River. Waimakariri River Stopbank Floodplain Land Use Controls Results 1 - 20 of 32 . Karamea and Arahura River catchments flood hazard maps [cartographic Buller River Catchment flood hazard maps / John L. Benn. Waimakariri District Flood Hazard Management Strategy - 2003 A floodplain or flood plain is an area of land adjacent to a stream or river that . When the drainage system has ceased to act or is entirely diverted for any by the Flood Insurance Rate Map (FIRM), which depicts various flood risks for a Search Christchurch City Libraries BiblioCommons