



Manaaki Whenua
Landcare Research

Mean July Soil Temperature (South Island)

Title	Mean July Soil Temperature (South Island)
Creator	Landcare Research NZ Ltd
Date	2000
Description	Soil temperature surfaces for the South Island of New Zealand are based on analysis of a combination of monthly mean soil temperature data from the NIWA (National Institute of Water and Atmospheric Research) 3 years data from 175 mini-data-loggers (1997-2000) laid out in a stratified sampling scheme at 7 climatically representative locations in the South Island. At each location a cluster of about 25 data loggers sampled a range of elevations between 100 and 1800 m. At each elevation grouping the 4 primary aspects (N, S, E, W) and a flat site were sampled at a depth of 30 cm. Multiple regression used site characteristics of latitude, Distance from coast, elevation, aspect, slope and forest/non-forest cover to predict topographic effects on soil temperatures.
Coverage	-47.4908055345 166.122125175 -40.1413540036 174.593342416
Identifier	https://iris.scinfo.org.nz/layer/48342-mean-july-soil-temperature-south-island/
Language	eng
Subject	elevation
Subject	environment