

# Canterbury 0.3m Rural Aerial Photos (2019)

Title	Canterbury 0.3m Rural Aerial Photos (2019)
Creator	Toitū Te Whenua Land Information New Zealand
Date	2019
Description	<p>Orthophotography within the Canterbury Region taken in the flying seasons (summer periods) 2018-2019. Coverage is of the Canterbury region covering the Selwyn and Waimakariri Districts, Christchurch City and Banks Peninsula. Imagery was captured for Environment Canterbury by Aerial Surveys Ltd, Unit A1, 8 Saturn Place, Albany, 0632, New Zealand. Data comprises:</p> <ul style="list-style-type: none"><li>•Imagery Area: 5,537 km<sup>2</sup></li><li>•727 ortho-rectified RGB GeoTIFF images in NZTM projection, tiled into the LINZ</li><li>•Standard 1:5,000 tile layout</li><li>•Tile layout in NZTM projection containing relevant information.</li></ul> <p>The supplied imagery is in terms of New Zealand Transverse Mercator (NZTM) map projection. Please refer to the tile index layer for specific details, naming conventions, etc. Imagery supplied as 30cm pixel resolution (0.30 m GSD), 3-band (RGB) uncompressed GeoTIFF. The final spatial accuracy is <math>\pm 0.5</math> m @ 95% confidence level. Index tiles for this dataset are available as layer [Canterbury 0.3m Rural Aerial Photos Index Tiles (2019)] (<a href="http://data.linz.govt.nz/layer/106340">http://data.linz.govt.nz/layer/106340</a>)</p>
Source	<p>Project Aerial photography was captured over the Canterbury Region rural areas covering Waimakariri and Selwyn Districts, Christchurch City and Banks Peninsula, totalling approximately 5,537 km<sup>2</sup>. The area of capture covers part of the Canterbury Region situated on the east coast of the South Island. Data Acquisition Aerial photography was captured using Vexcel's digital UCE camera during the 2018/2019 flying season (September 2018 - 30 March 2019) and extended to 12 May 2019. Captured on the following dates 9 February 2019, 17 and 19 April 2019 and 1 May 2019. Camera and Flying Height For this project two cameras were used as follows: Photography captured using Vexcel's digital UCE camera fitted with the 100 mm lens and flown at an altitude of approximately 18,928 ft (5,769 m) with the lowest ground GSD set at 0.3 m. Photography captured using Vexcel's digital UCE camera fitted with the 80 mm lens and flown at an altitude of approximately 16,580 ft (5,053 m) with the lowest ground GSD set at 0.3 m Sun Angle Imagery captured with a minimum sun angle of 35 degrees. Towards the end of the season the sun angle was lowered to a minimum of 30 degrees, except Waimakariri District that remained at +35 degrees. Imagery captured with a sun angle between 30.0 and 70.1 degrees. Flight Planning SN14007 Canterbury Rural: 45 runs, 1,895 frames Stereo capture: Forward overlap 60%, min 54%. Side overlap 35%, min 15%. Environmental Specification Imagery captured with no cloud or cloud shadow within the area of interest. Coastal and harbour areas captured within two hours either side of low tide.</p>
Coverage	-43.926585392 171.557342054 -42.906210851 173.029756241
Identifier	<a href="https://data.linz.govt.nz/layer/106341-canterbury-03m-rural-aerial-photos-2019/">https://data.linz.govt.nz/layer/106341-canterbury-03m-rural-aerial-photos-2019/</a>
Type	grid
Language	eng
Subject	New Zealand
Subject	imageryBaseMapsEarthCover