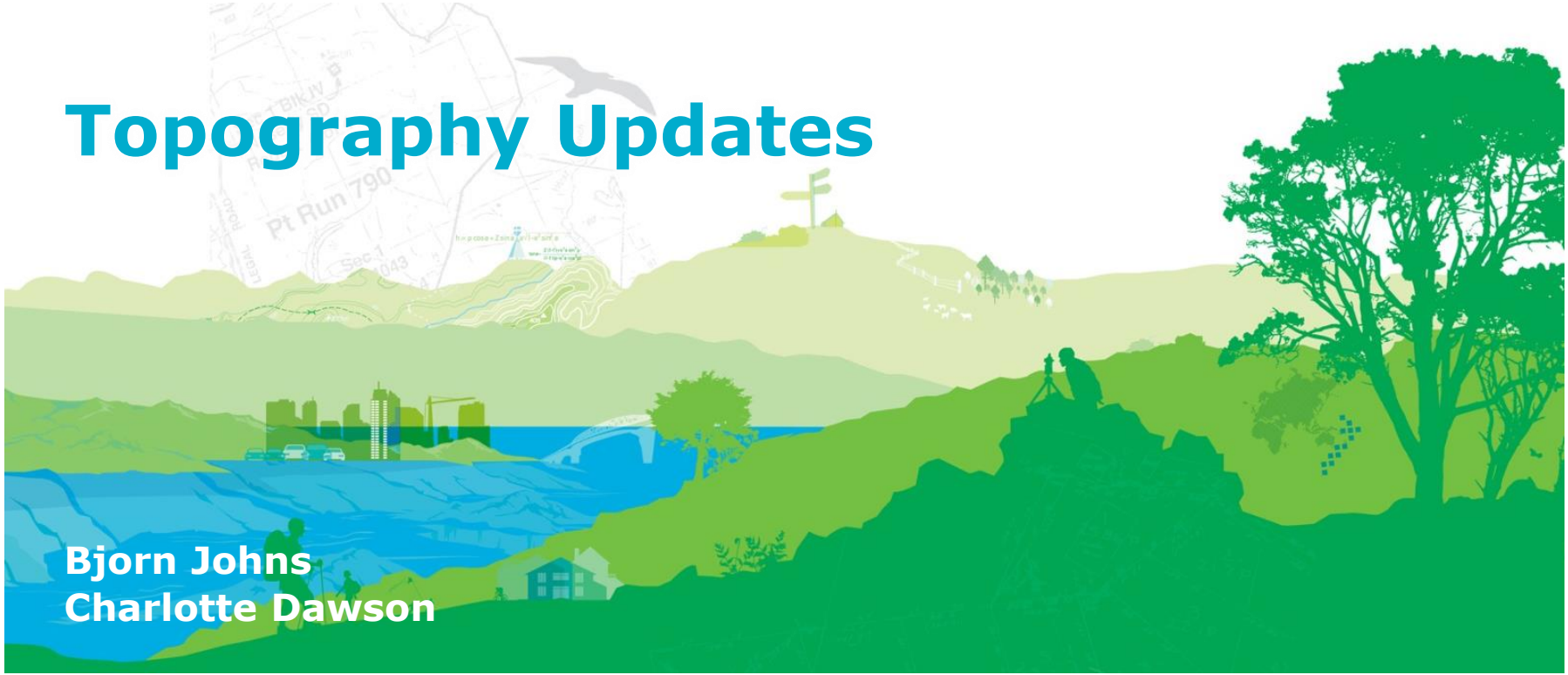
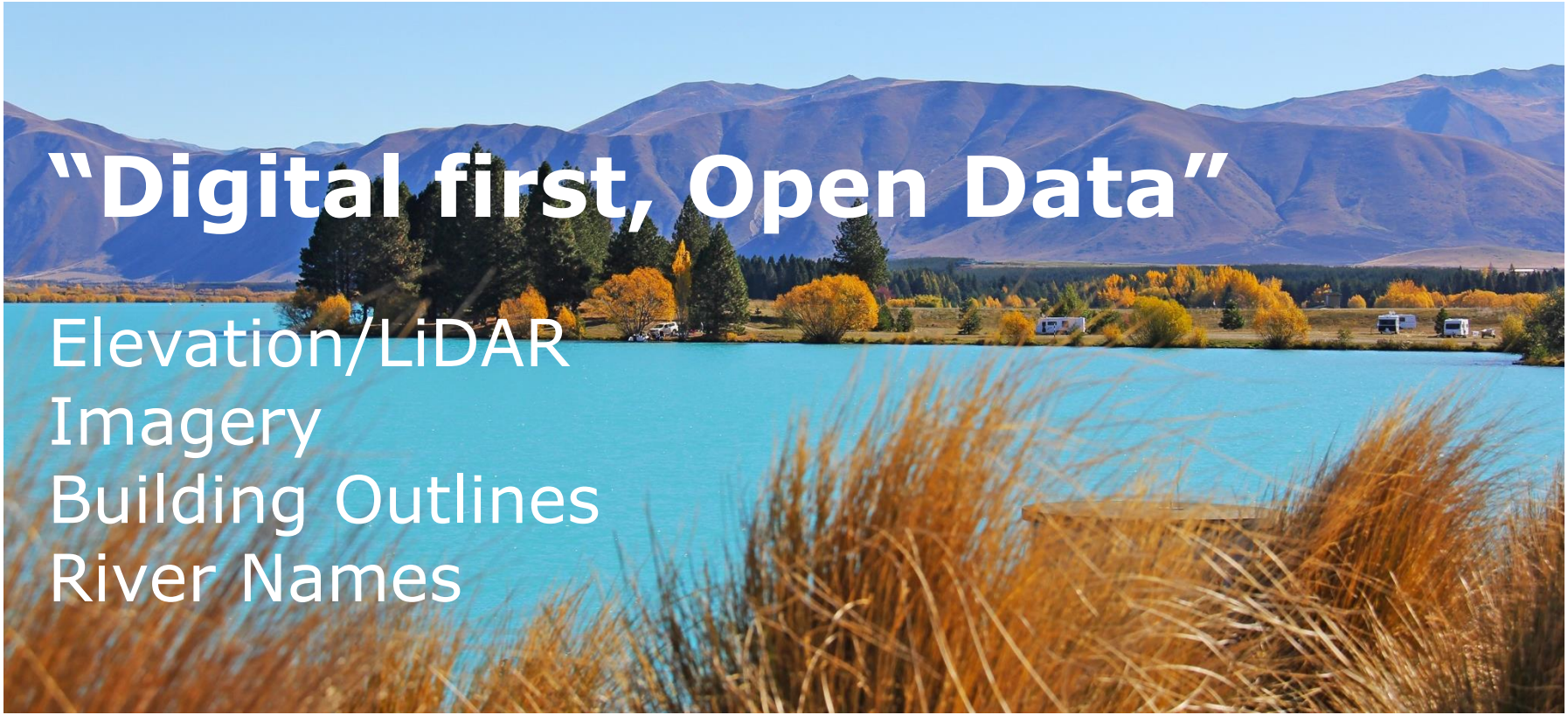
Land Information New Zealand
Toitū te whenua

Topography Updates



Bjorn Johns
Charlotte Dawson


“Digital first, Open Data”
Elevation/LiDAR
Imagery
Building Outlines
River Names

National Elevation Programme

-Aerial lidar based
-DEM, DSM, point clouds for re-use
-CC BY 4.0 open data
-1000 data requests per month
-National coverage aspiration

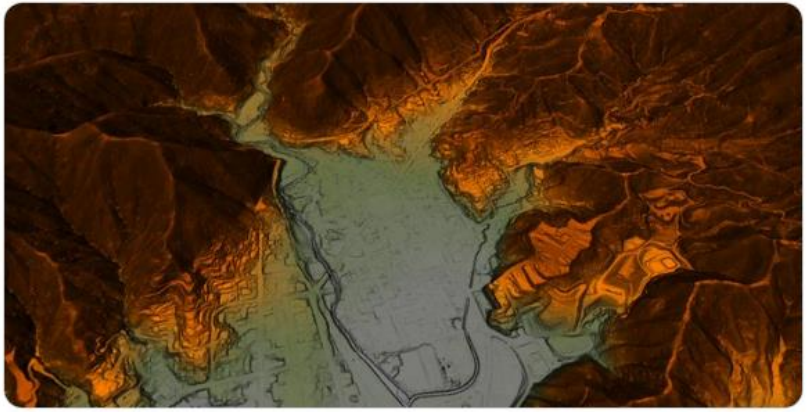
Land Information New Zealand
Toitū te whenua
LINZ DATA SERVICE

OpenTopography
High-Resolution Topography Data and Tools

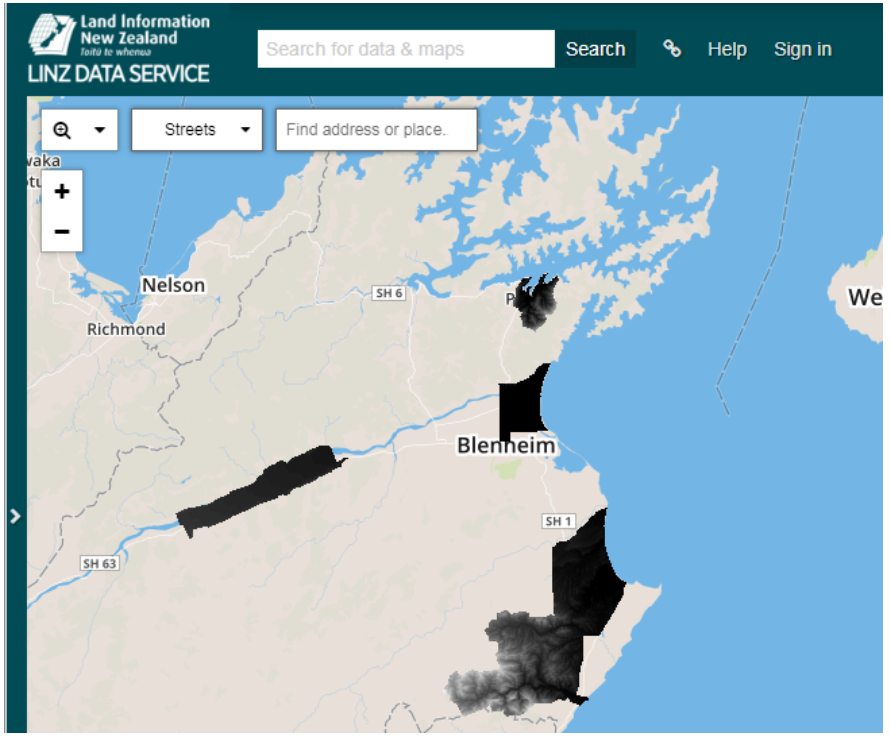
Latest release – Marlborough 2018

LINZ Data Service
@LINZLDS

New (2018) LiDAR for Marlborough covers Picton, Seddon, the Wairau Valley and more. Grab the DEM & DSM from LDS data.linz.govt.nz/x/B4dCmc. Classified Point Clouds and other extras are available from @OpenTopography bit.ly/33icnNZ #opendata #LiDAR (Image: Picton township)

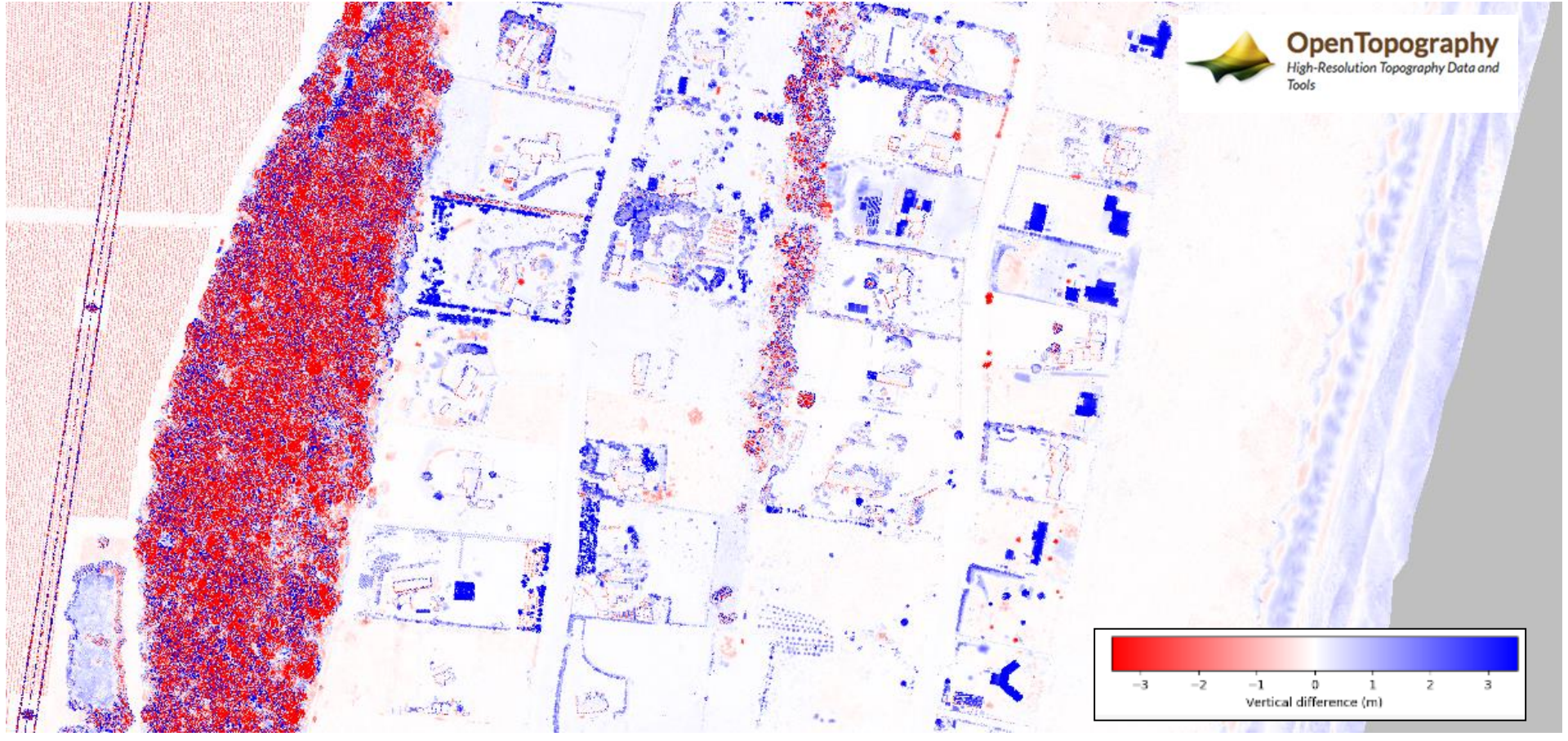


9:58 AM · Aug 6, 2019 · TweetDeck

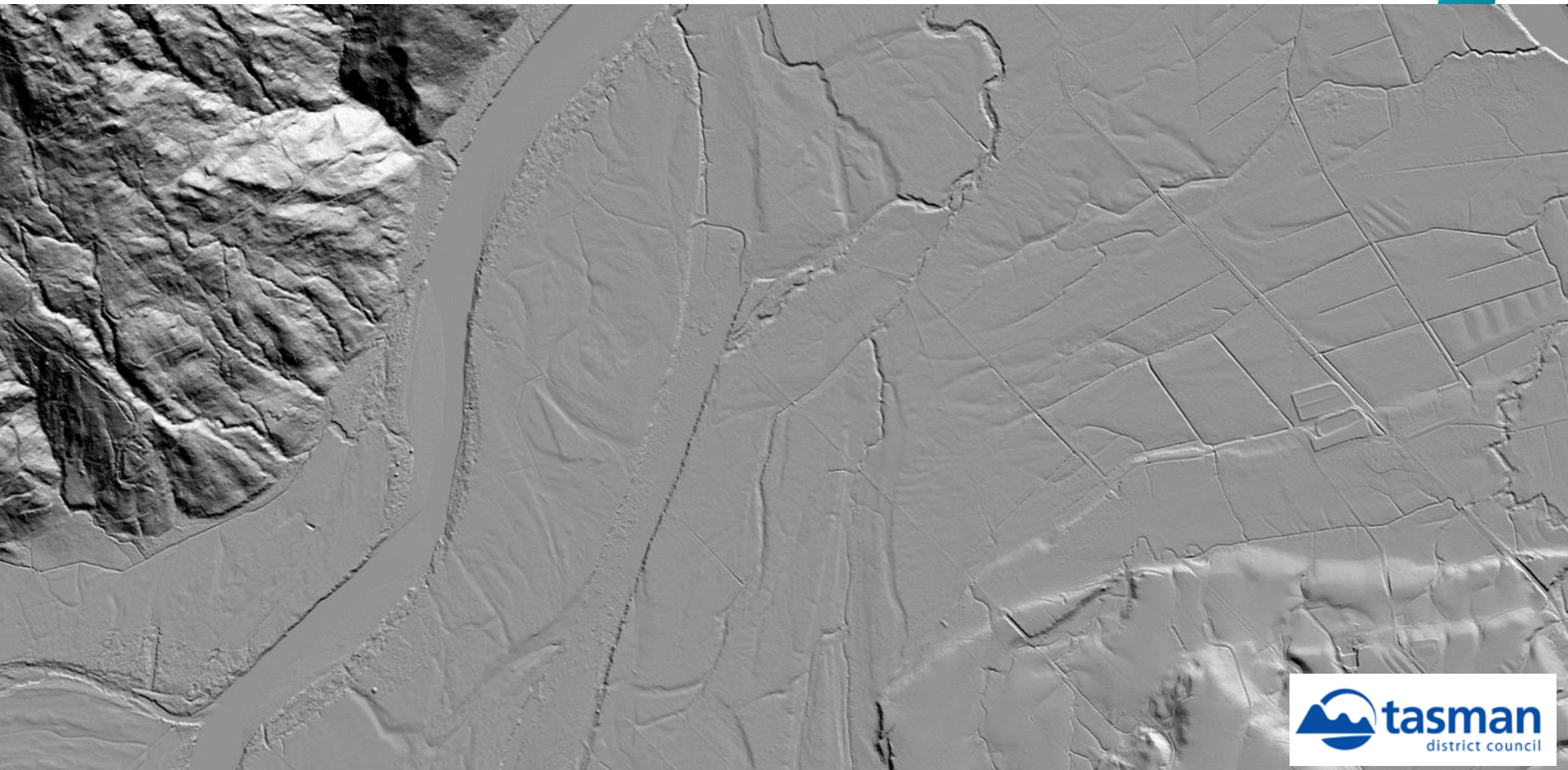


MARLBOROUGH DISTRICT COUNCIL

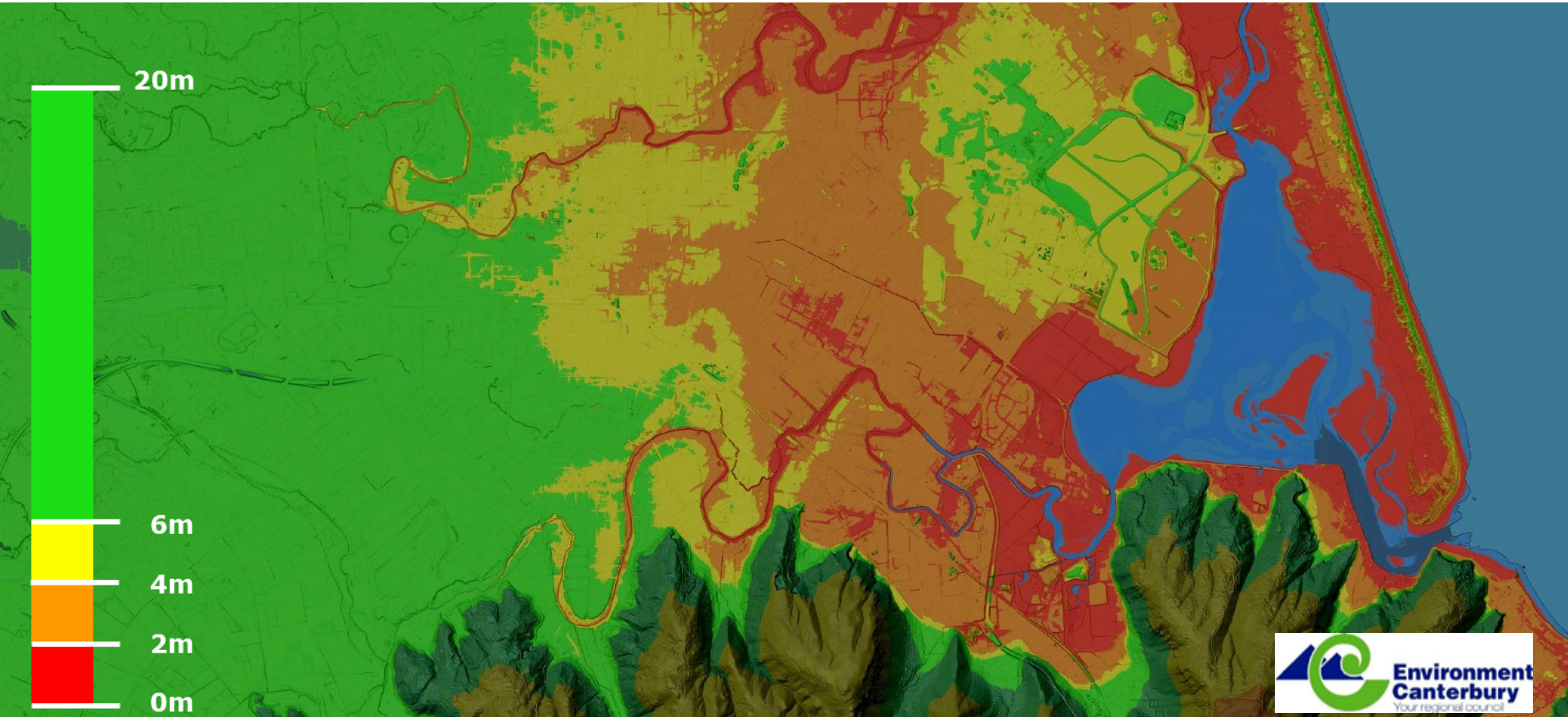
OpenTopography change detection – 2018-2014



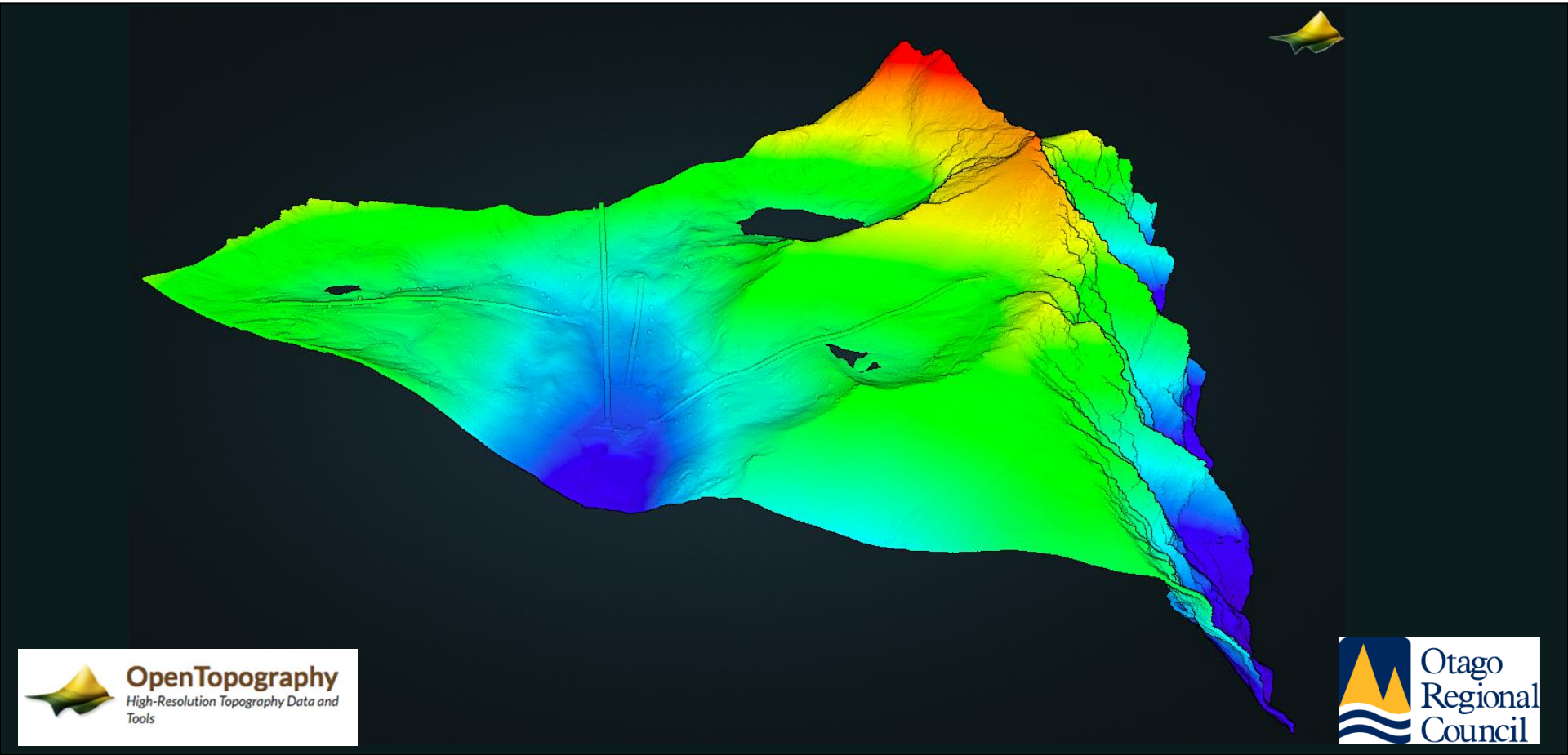
Hillshade – Tasman Aorere River



Christchurch DEM



Point Cloud – Remarkables ski area

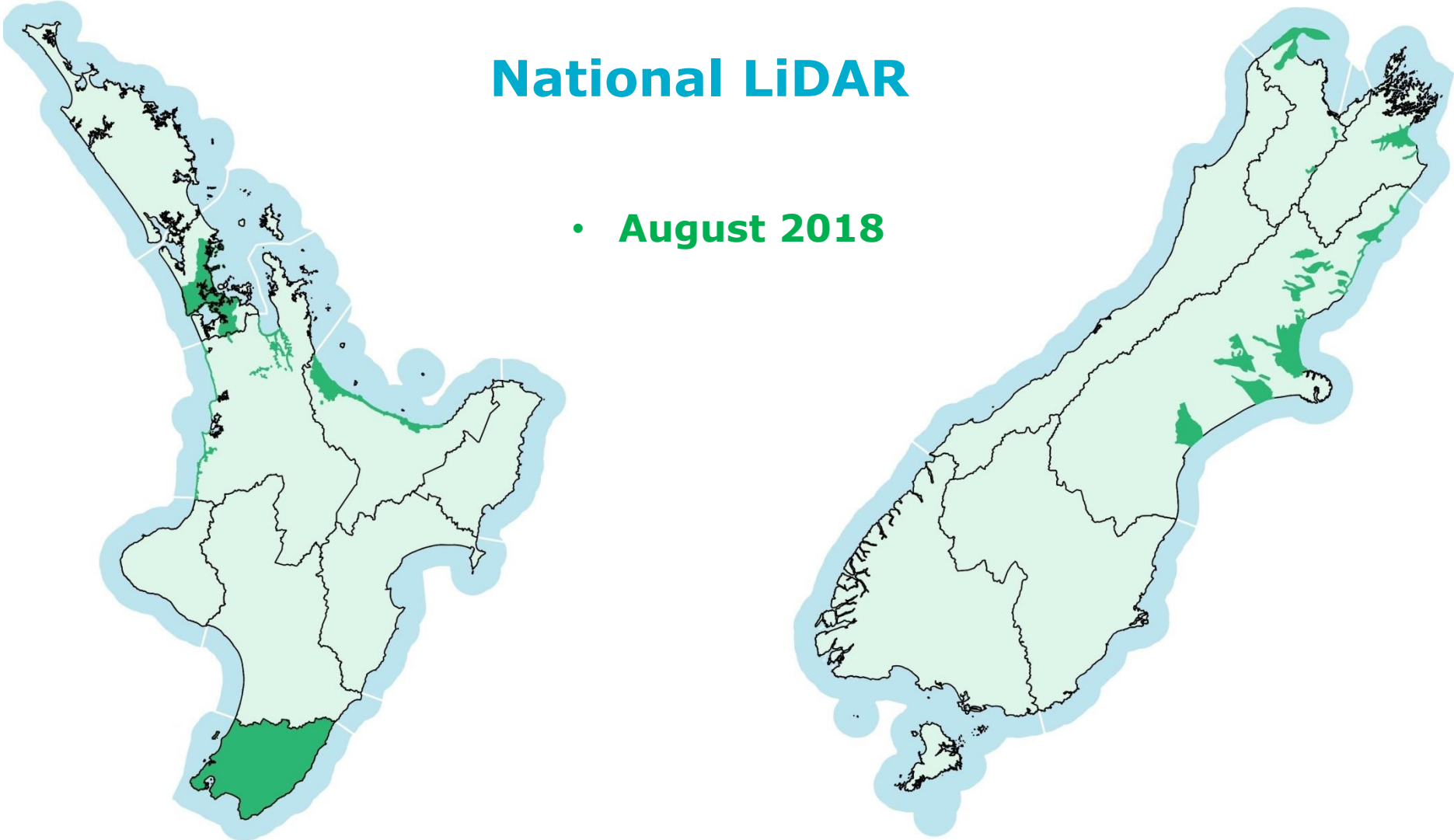


OpenTopography
High-Resolution Topography Data and Tools

Otago Regional Council

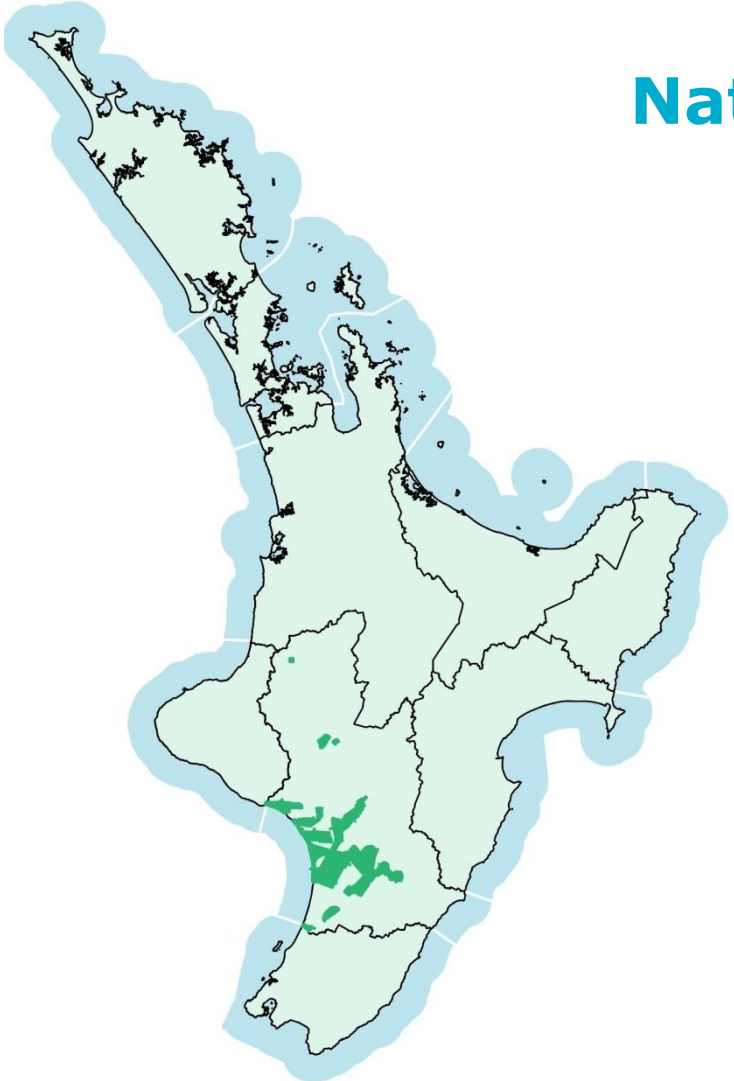
National LiDAR

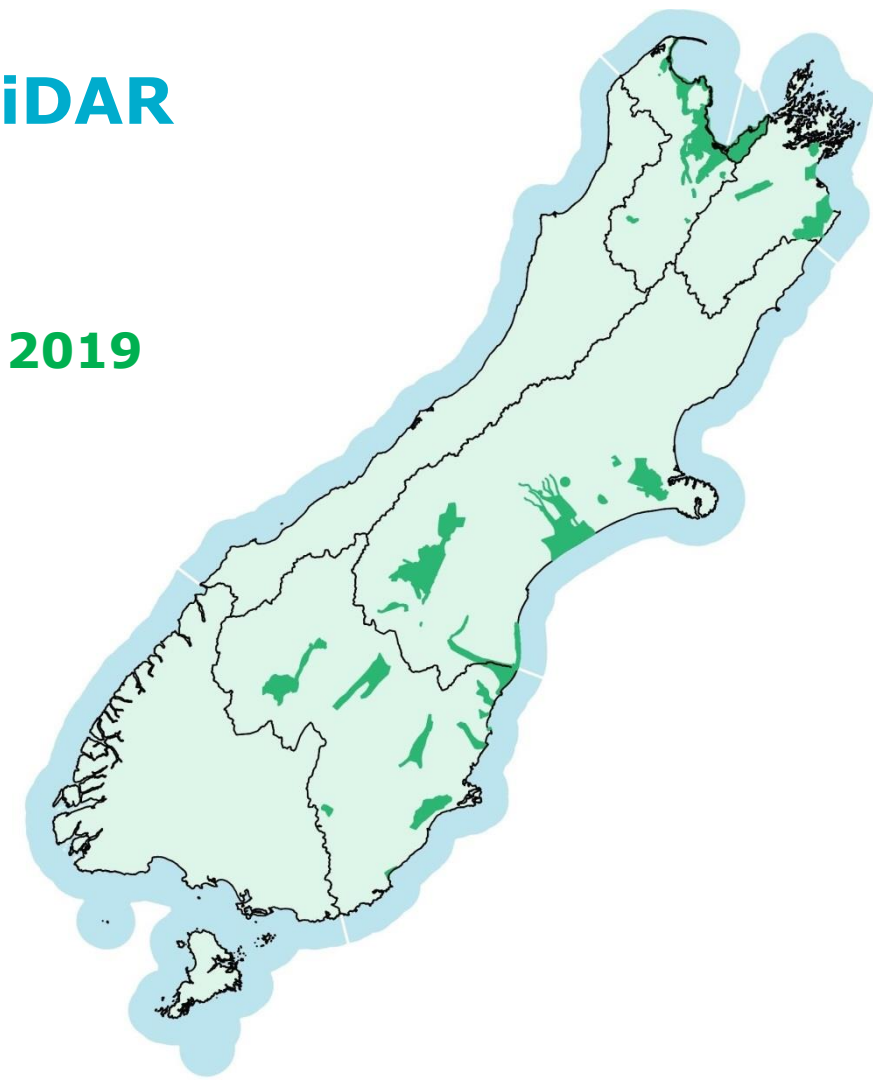
- **August 2018**



National LiDAR

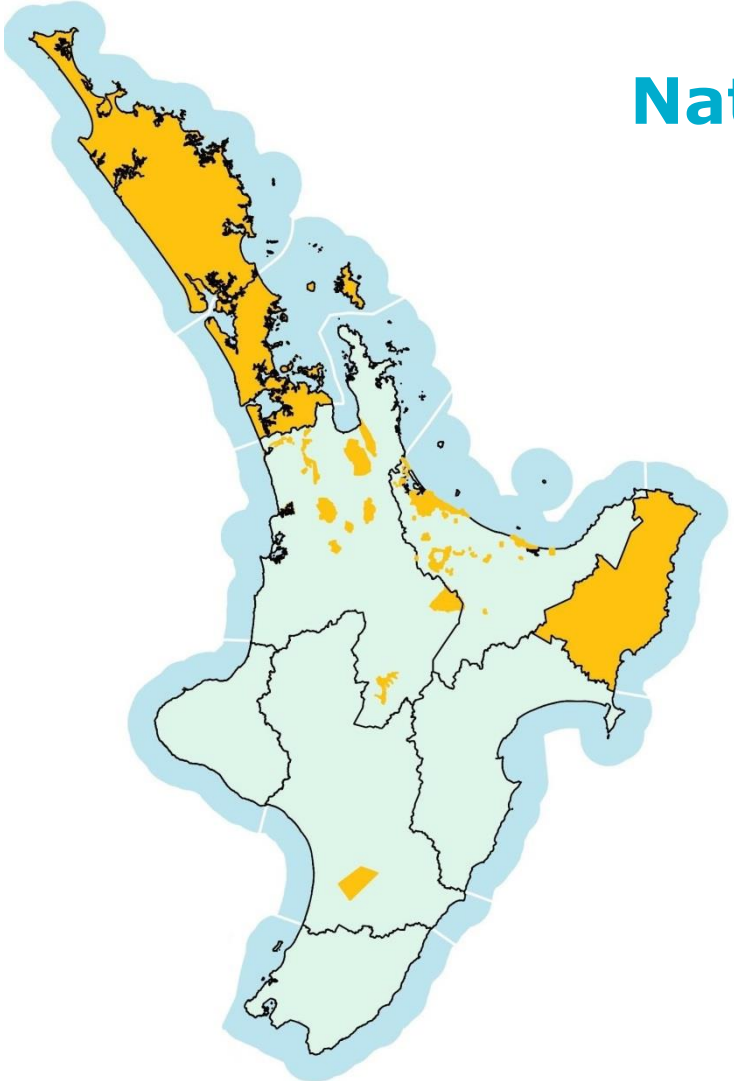
- **August 2019**

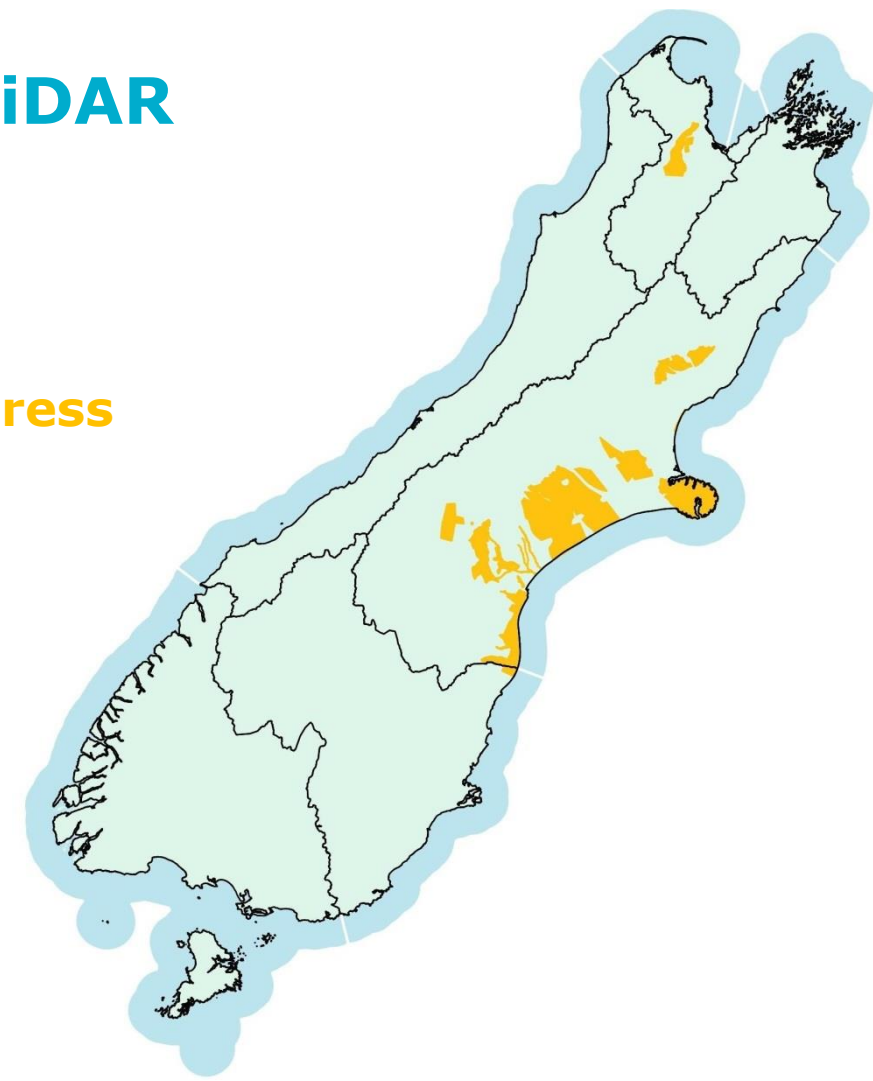




National LiDAR

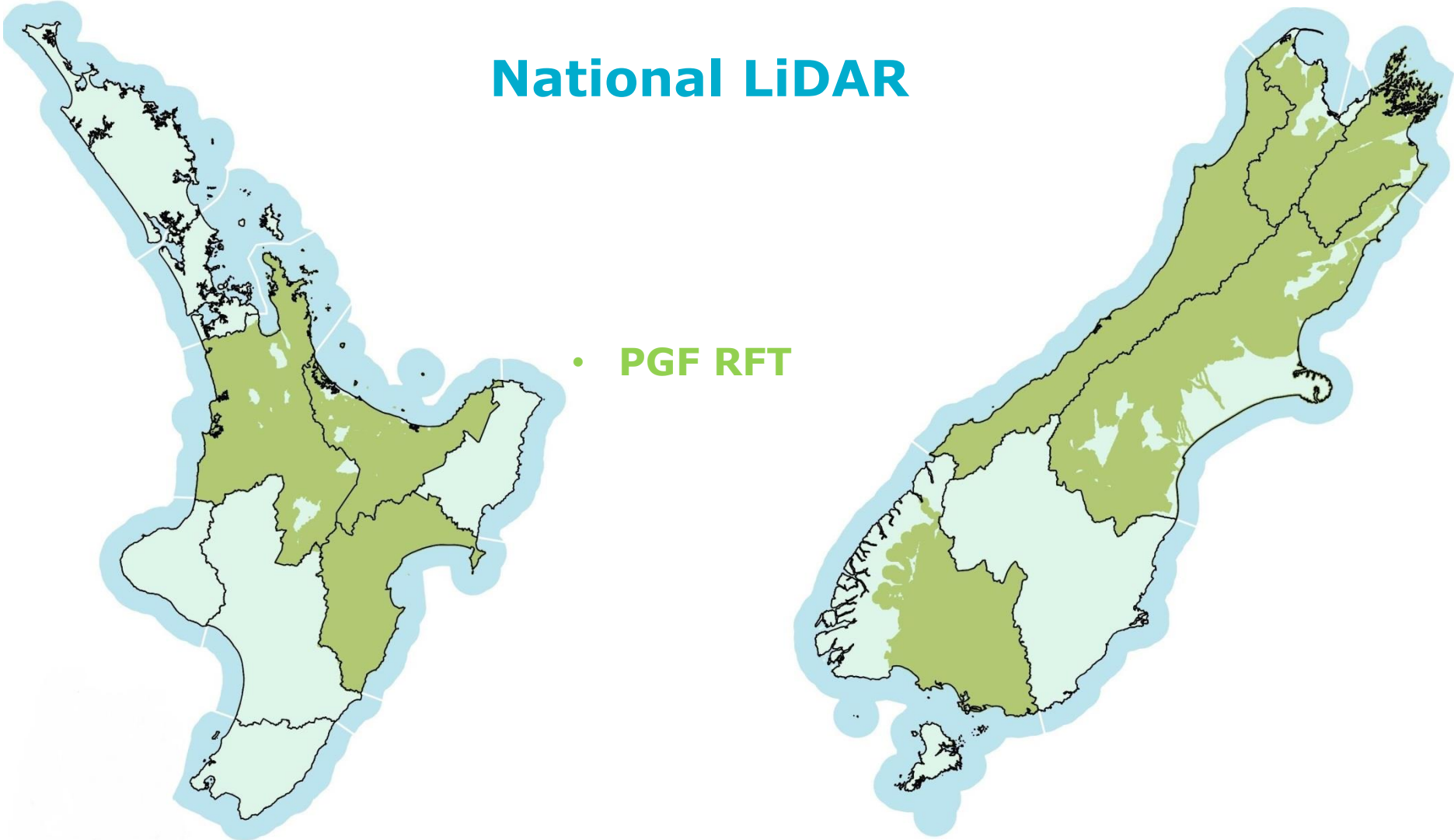
- In progress





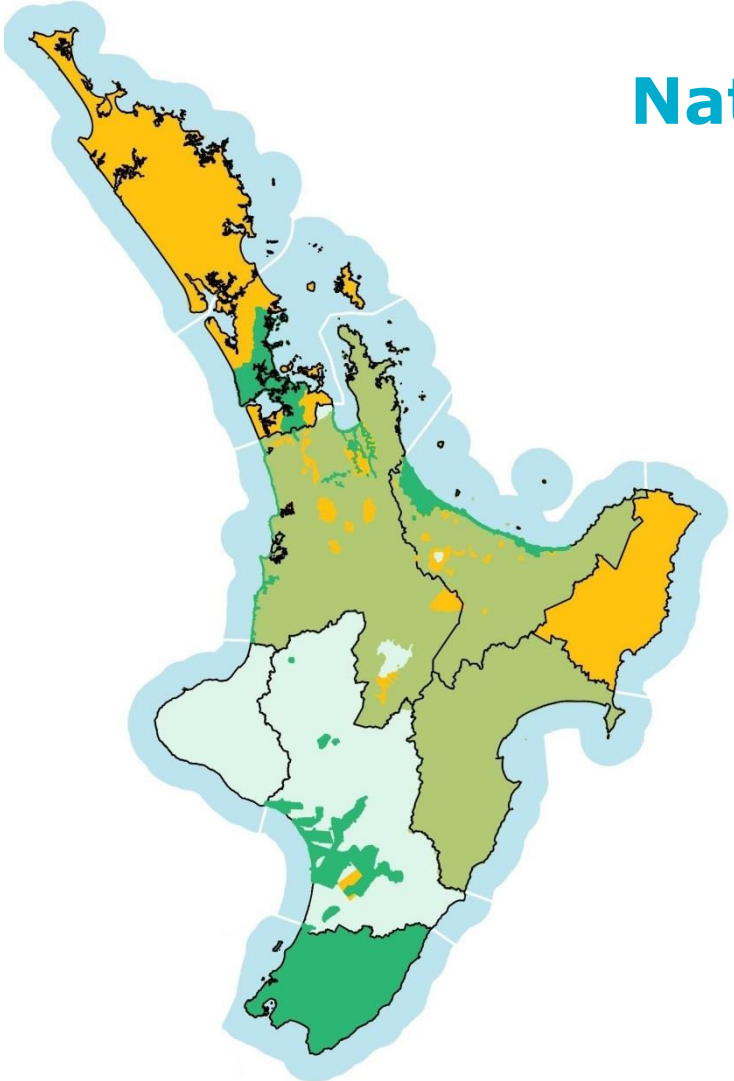
National LiDAR

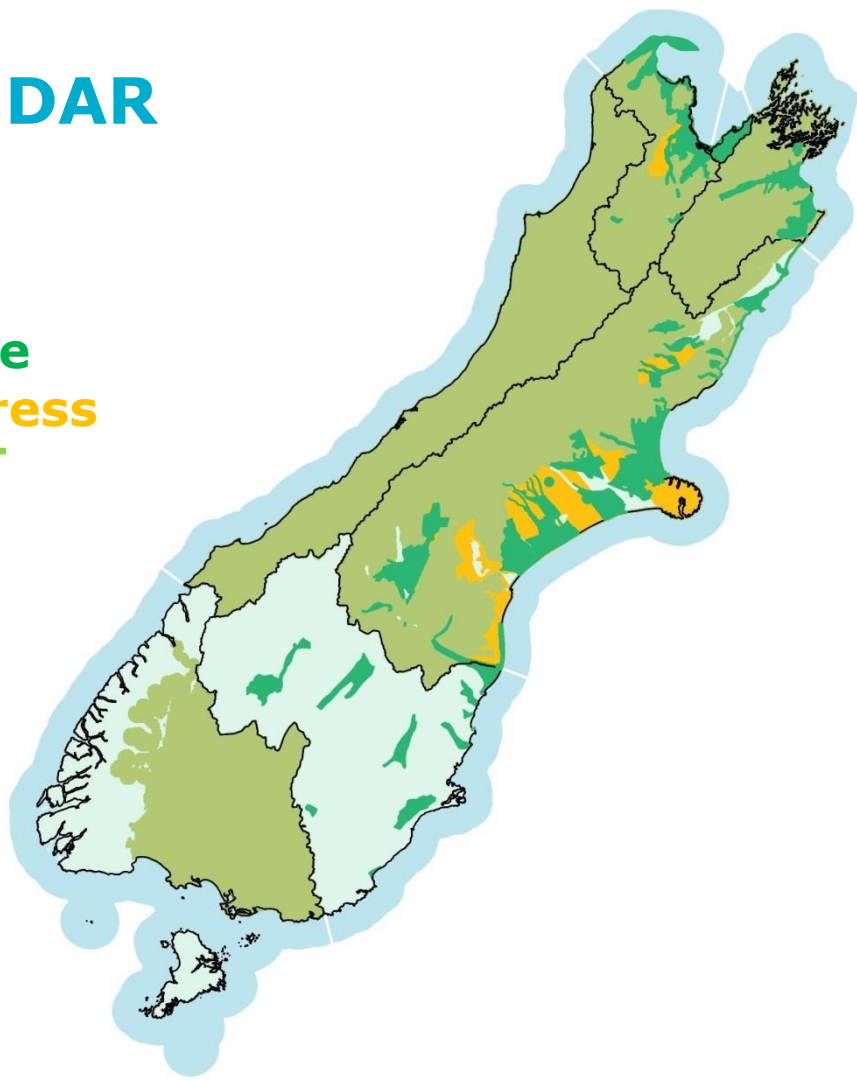
- PGF RFT



National LiDAR

- Available
- In progress
- PGF RFT





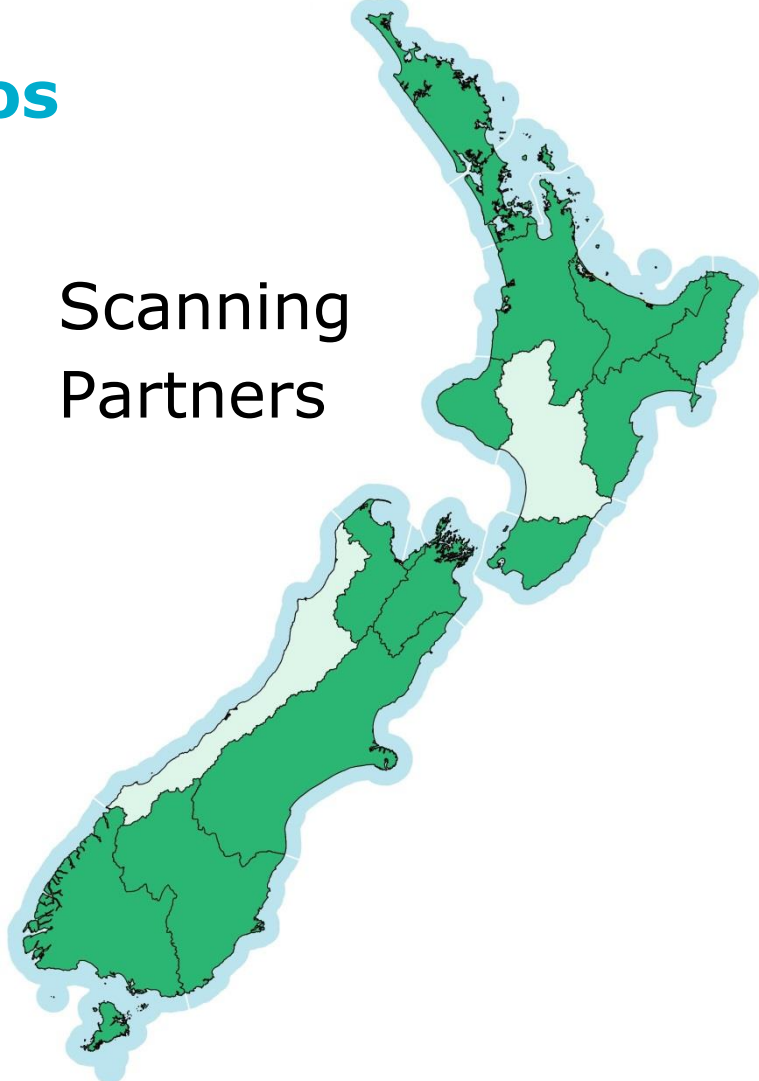
PGF-LiDAR programme

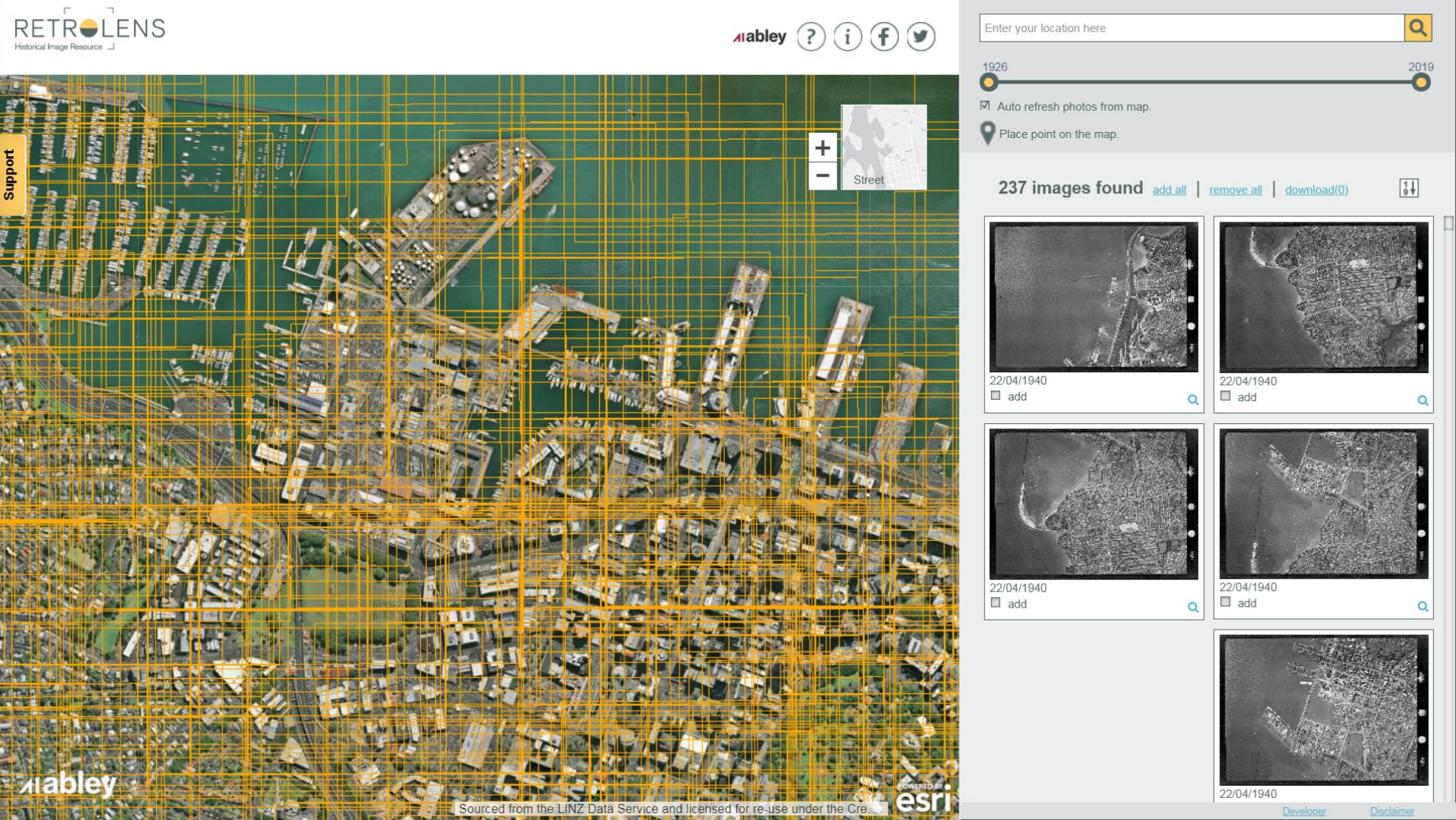
- Accurate elevation data is an enabler to enhance economic development in regional New Zealand
- Co-funded by local and central government

Land use management	Infrastructure planning	Regulatory compliance	Forestry planning and management	Transport planning
Natural hazards	Flood risk management	Sea level rise risk identification	Resilience planning	Water storage and use
Engineering	Mapping	Agriculture	Urban design	PROVINCIAL GROWTH FUND New Zealand Government

Crown Historic Aerial Photos

Scanning Partners

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2019
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Developer
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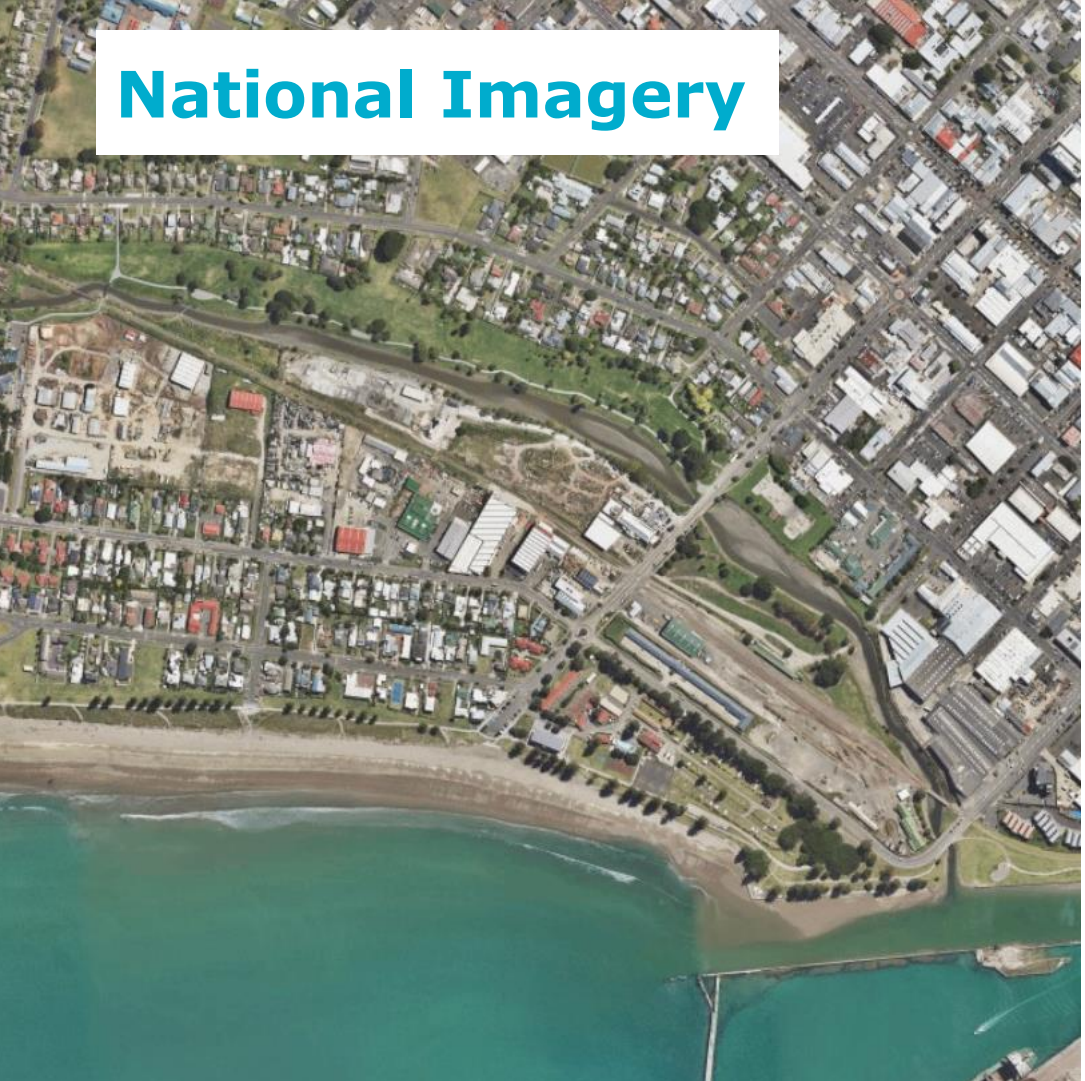
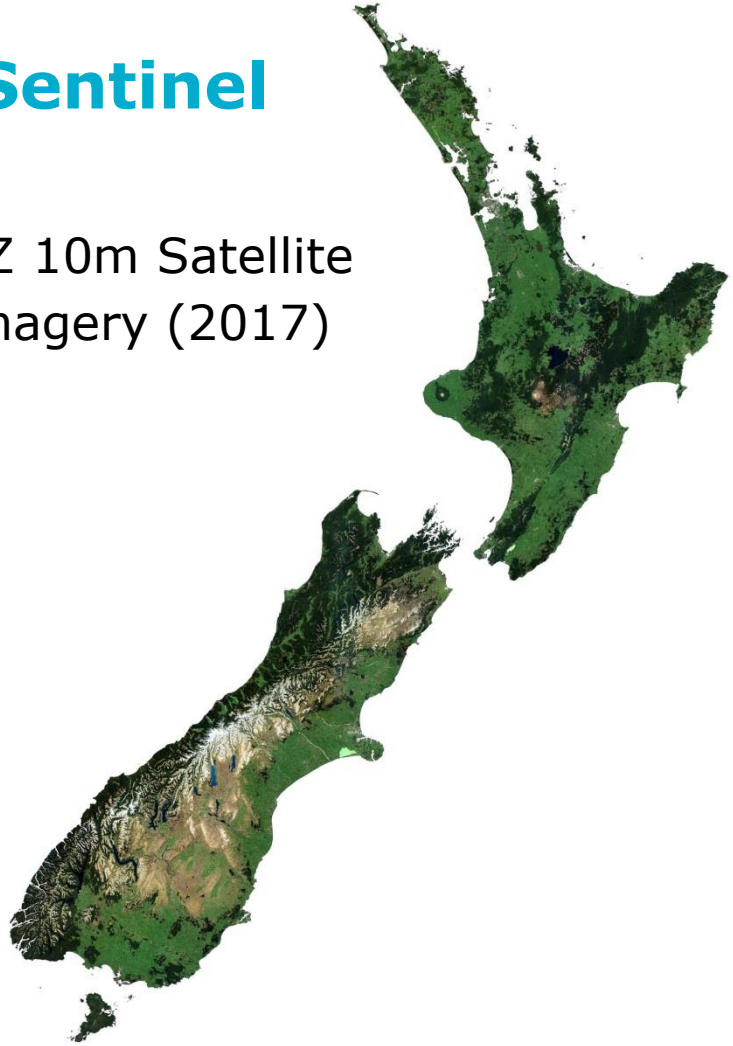
National Imagery



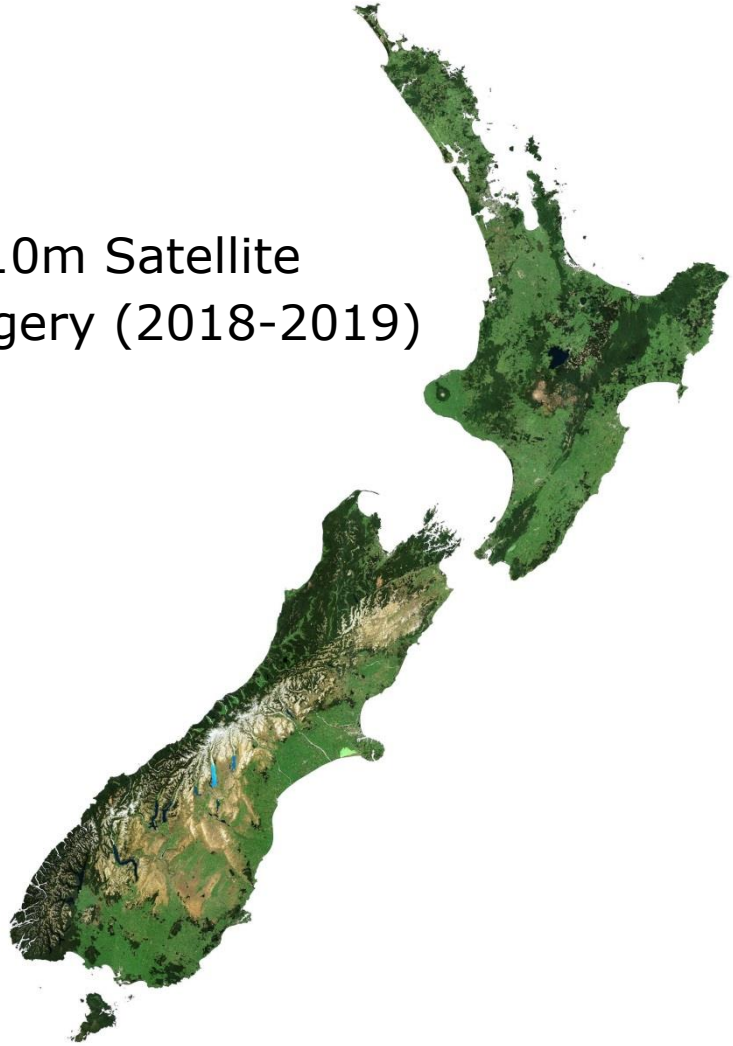
Coming
soon-ish

Sentinel

NZ 10m Satellite Imagery (2017)



NZ 10m Satellite Imagery (2018-2019)



NZ Building Outlines

NZ Building Outlines

Latest

NZ Building Outlines

Featured
14 May 19

NZ Building Outlines (All Sources)

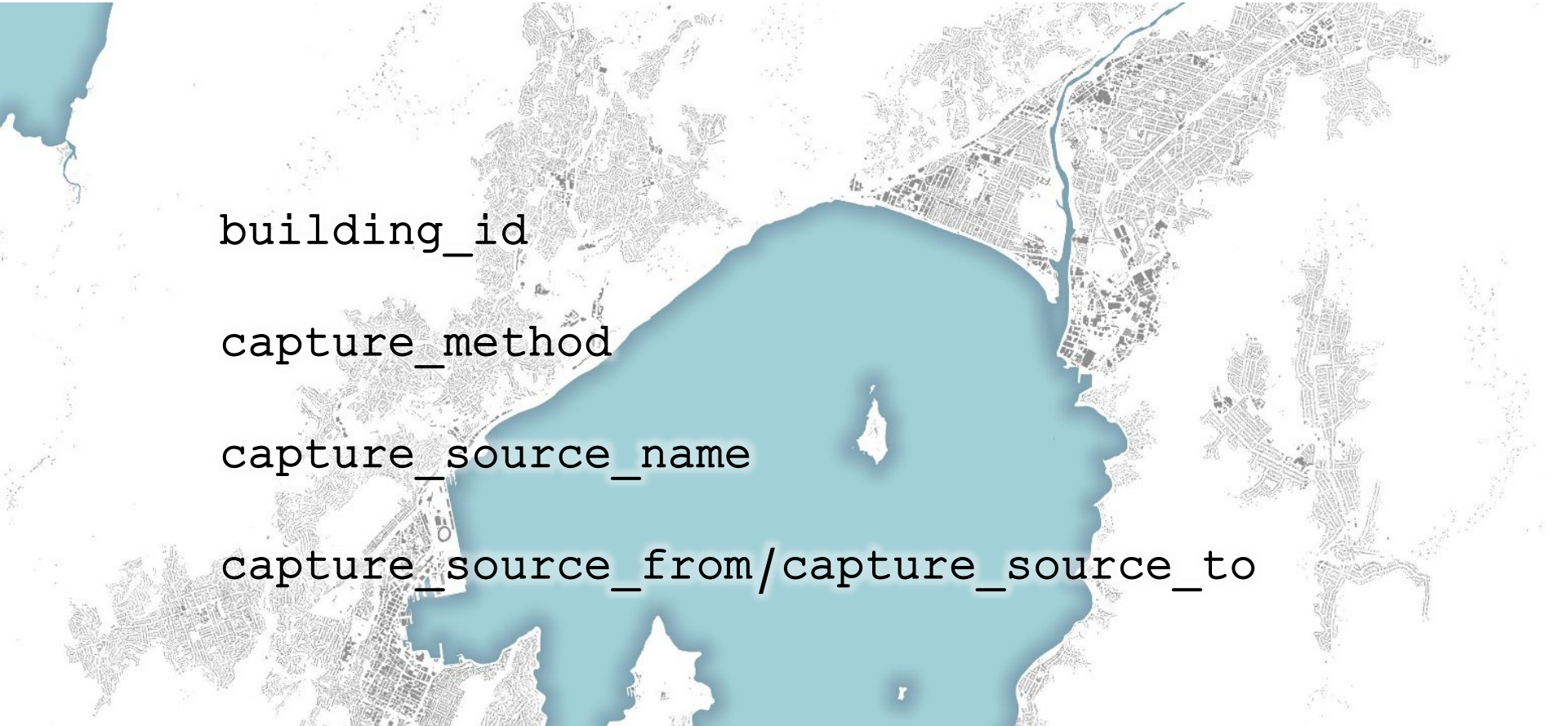
New
08 May 19

lifecycle_...	parent_bui...	building_id
1000011	1709722	1934295
1000136	1719296	2289118
1000979	1754242	2513251
1003243	2405152	3571690
1003706	2505749	3648976
1003757	2305579	3649011
1003821	2330521	3649047

NZ Building Outlines Lifecycle

Updated
09 May 19

NZ Building Outlines

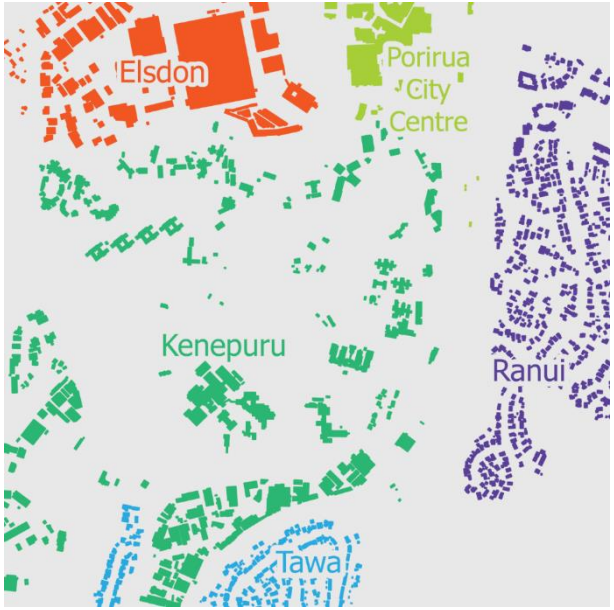


NZ Building Outlines (All Sources)

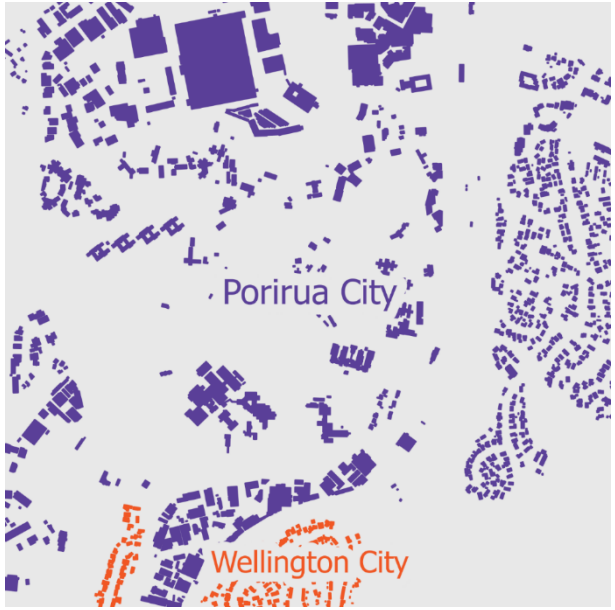
Kumeu, Auckland

March 2017

Administrative Boundaries



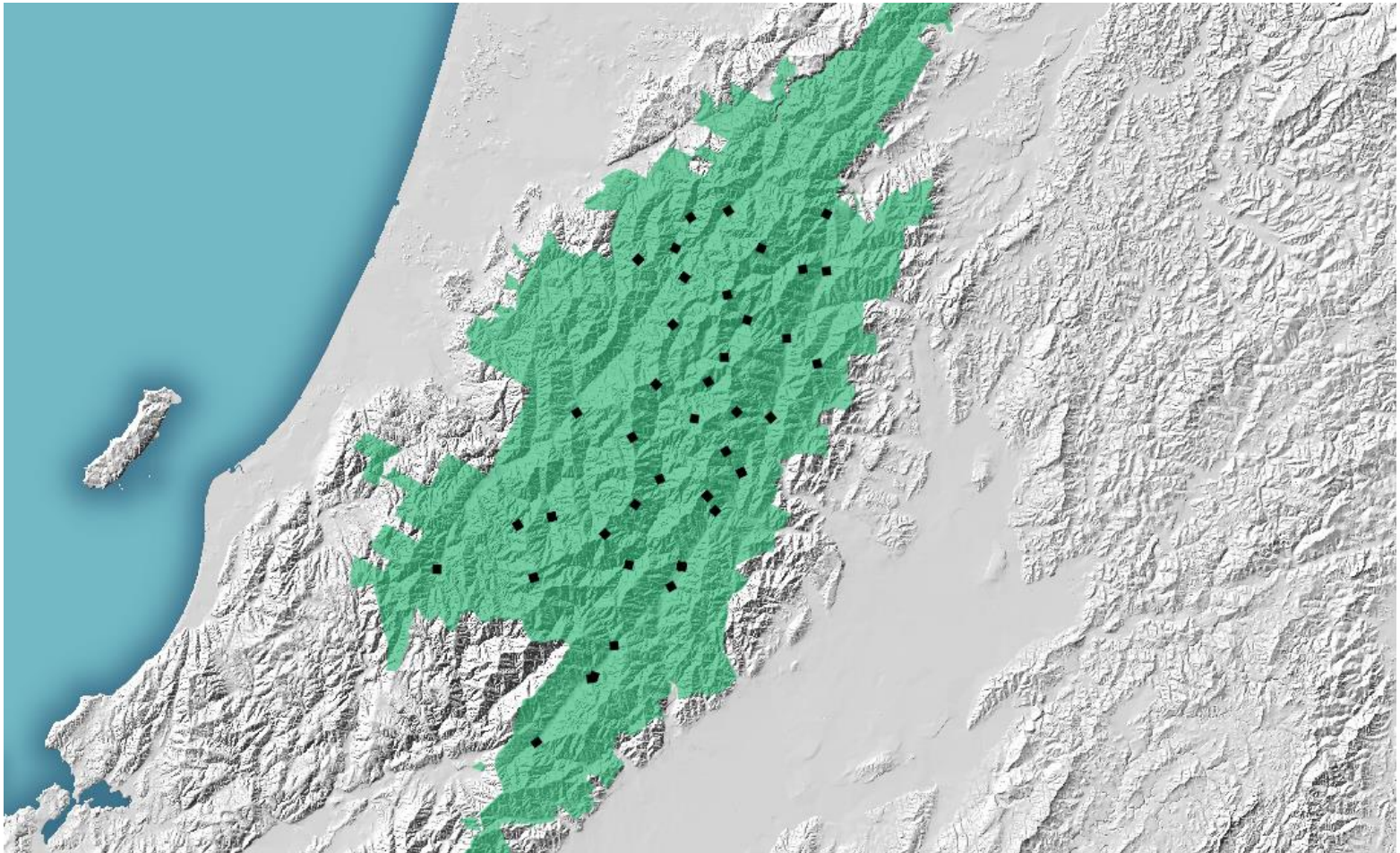
Suburbs/Localities



Towns/Cities

Territorial Authorities

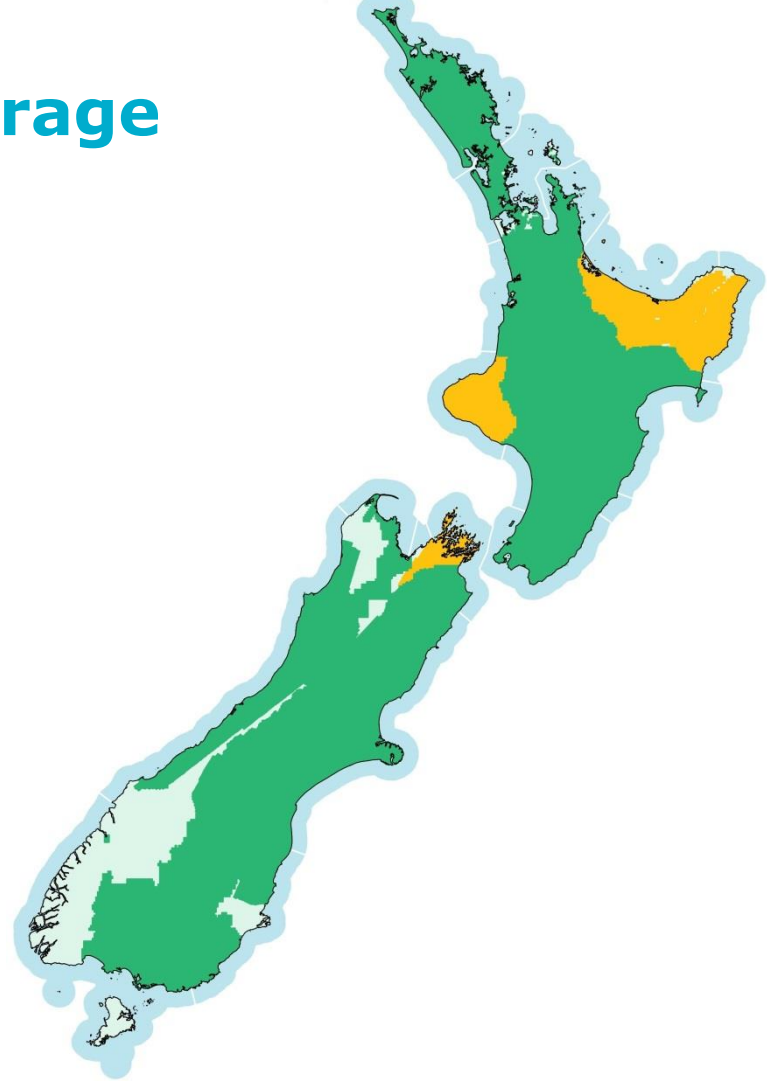
QA Process



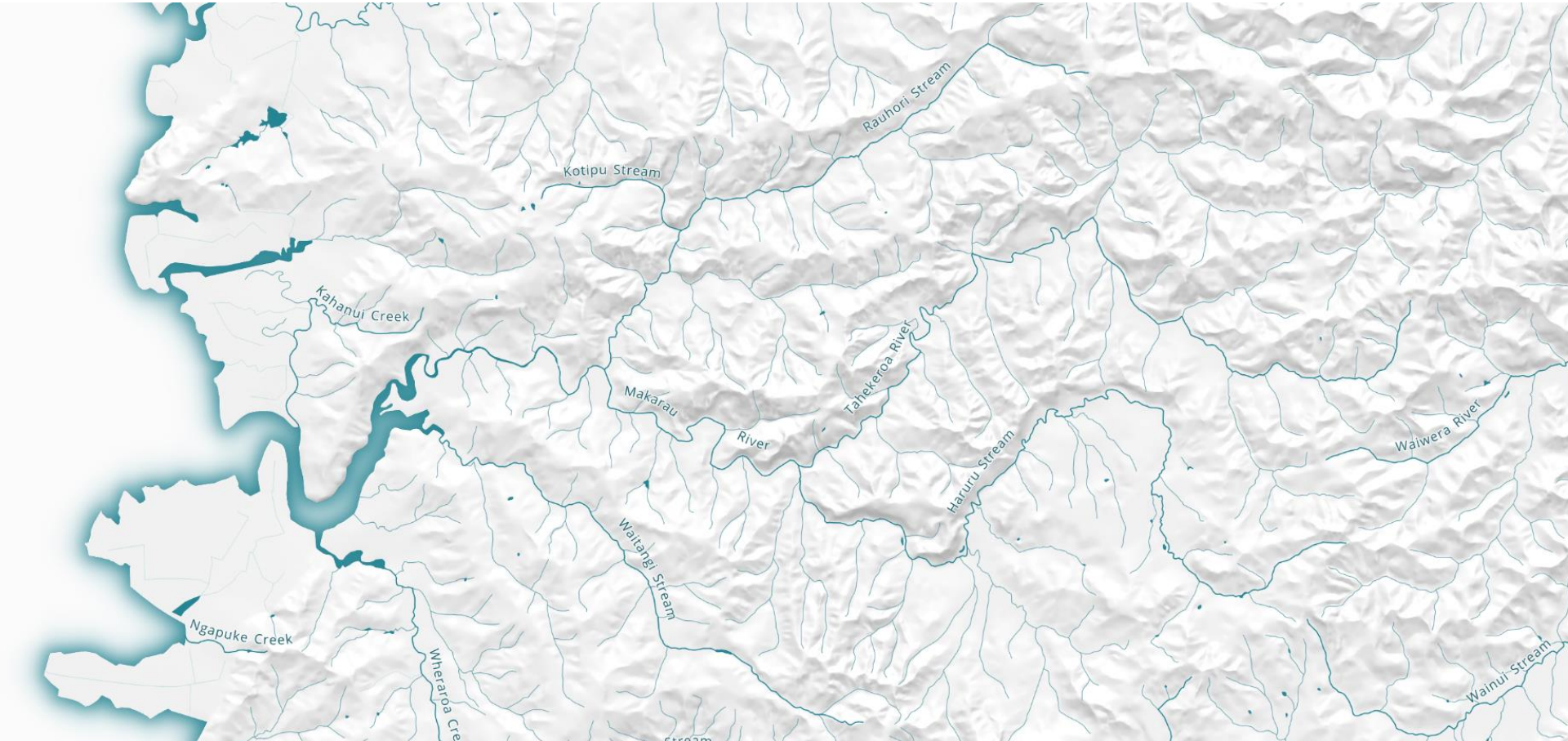
NZ Building Outlines Coverage

May 2019

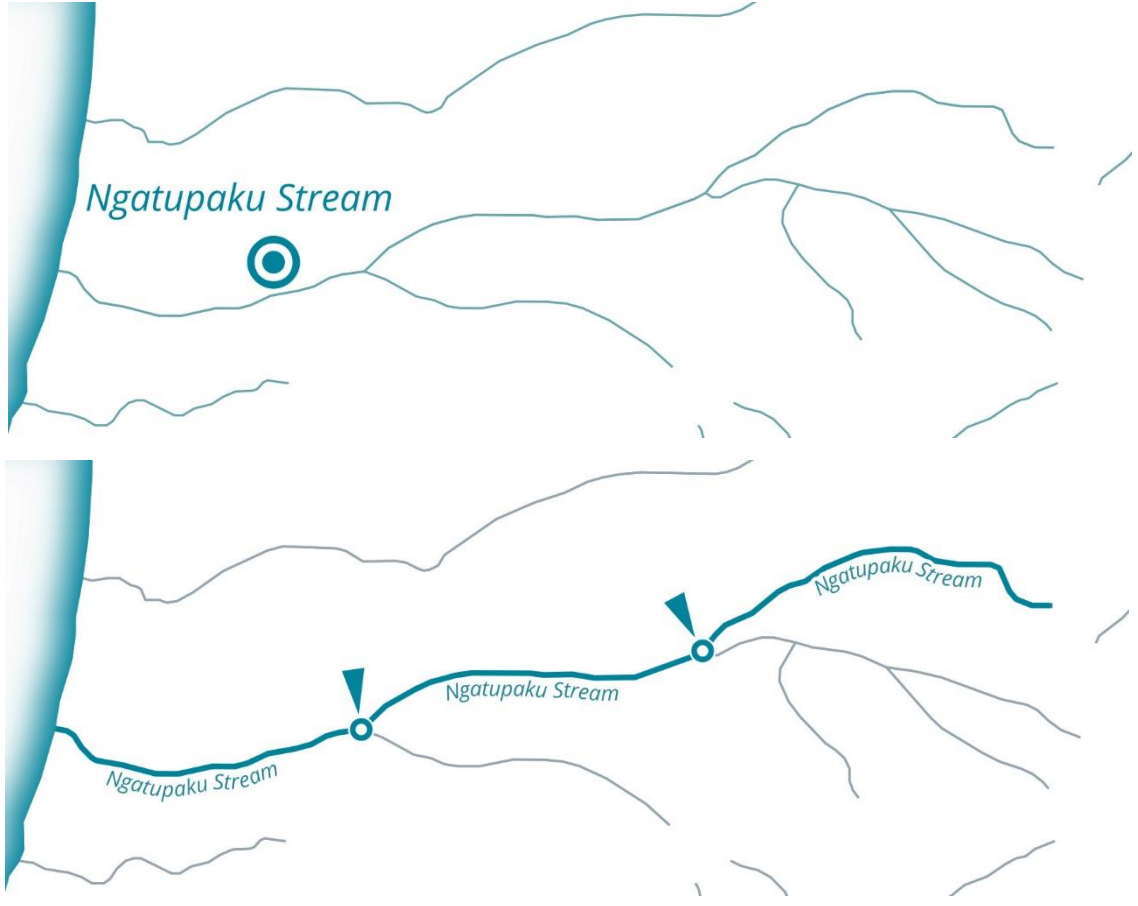
December 2019



NZ River Names Pilot Datasets

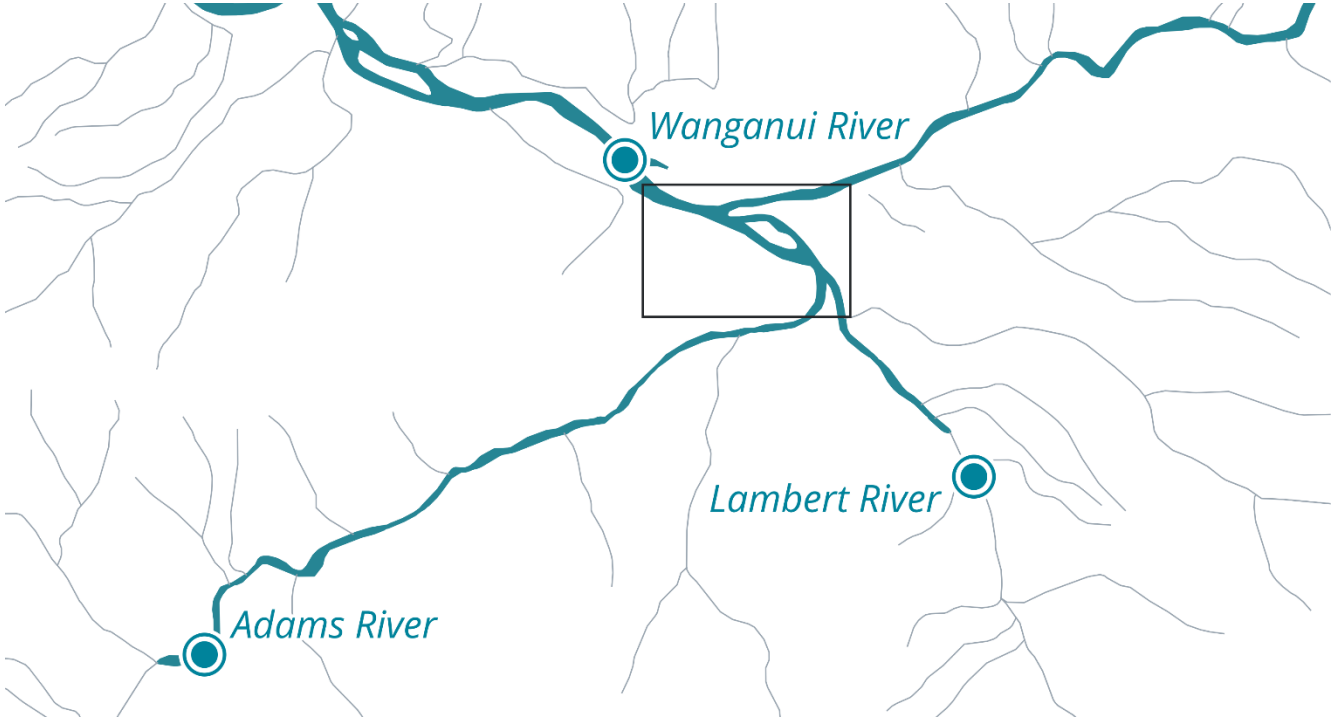


NZ River Name Lines

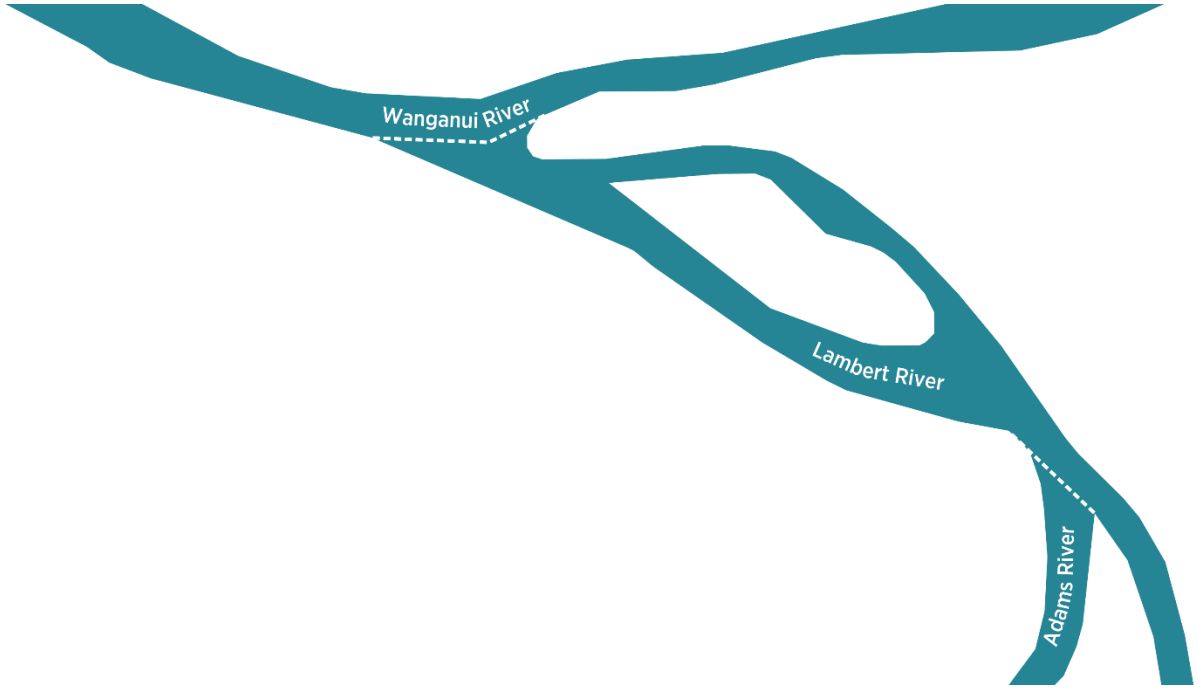


Methodology

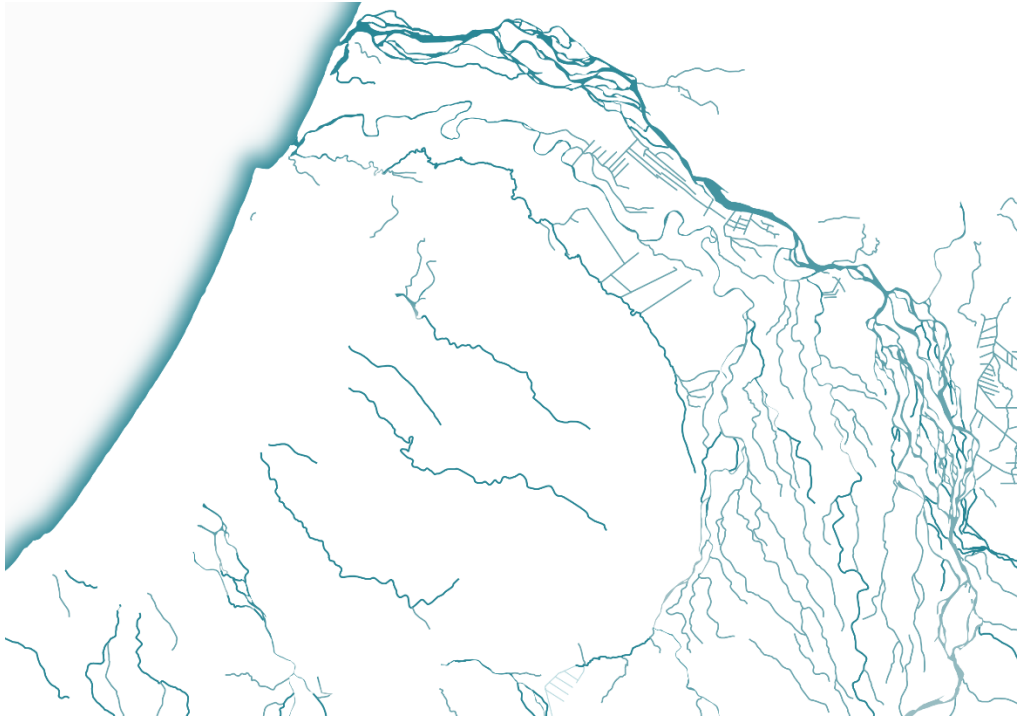
River Name Polygons



Splitting Polygons

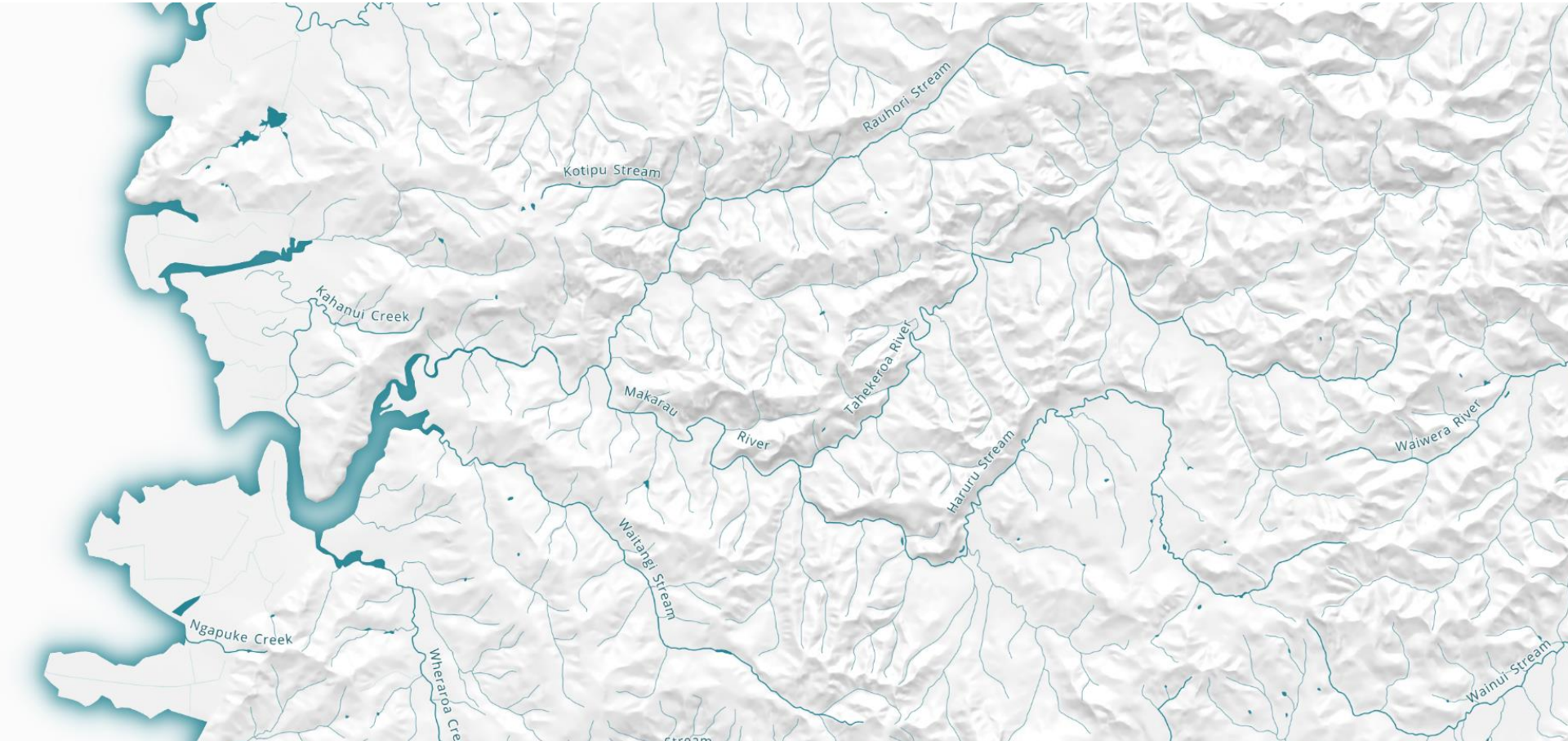


Related Datasets



Related Datasets

We want your feedback!



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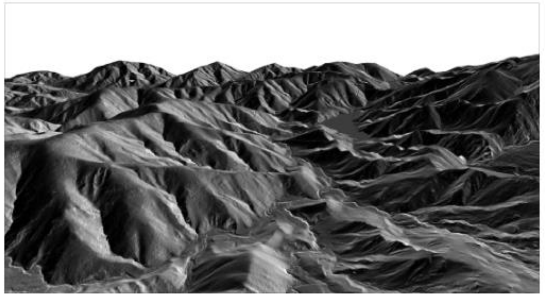
On Location Publication

https://medium.com/on-location

New pilot datasets for river names

We're pleased to release two new pilot datasets—NZ River Name Lines and NZ River Name Polygons.

LINZ
Aug 9 · 4 min read



From points to pixels—creating digital elevation models from OpenTopography point clouds

Learn how to create Digital Elevation Models (DEM) and Digital Surface Models (DSM) directly from point cloud data with OpenTopography.

LINZ
Jun 5 · 7 min read

LDS Twitter

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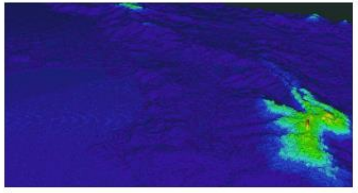
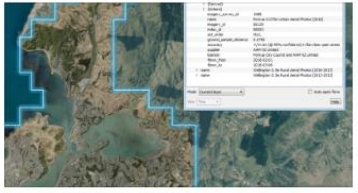
Data Dictionary

An open building outlines dataset for New Zealand



Creating point cloud visualisations with



NZ Imagery Surveys dataset now available

Land Information New Zealand
Toitū te whenua

Questions?