Maps & Geomorphology

New Zealand

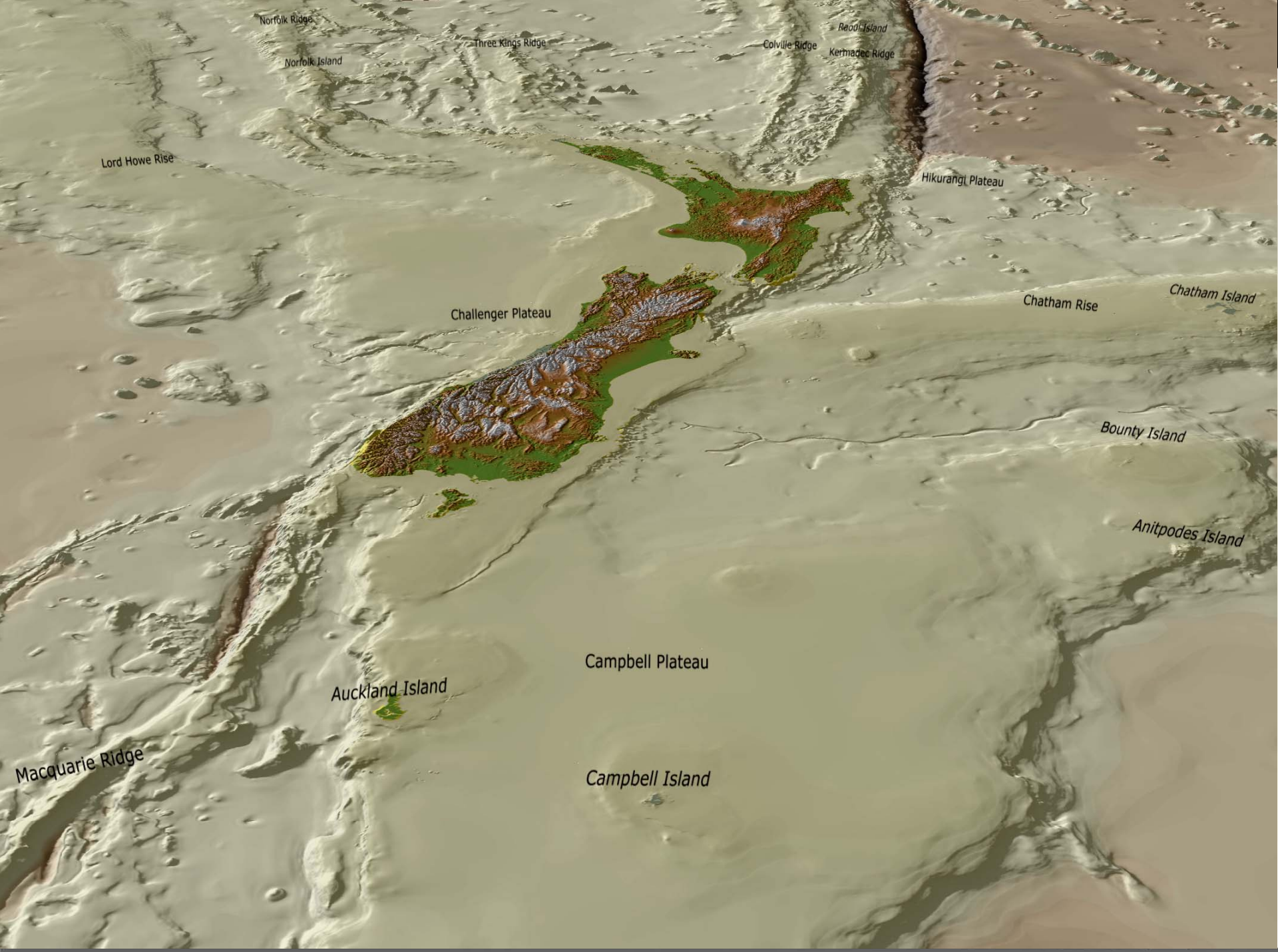
Archipelago of 700 islands

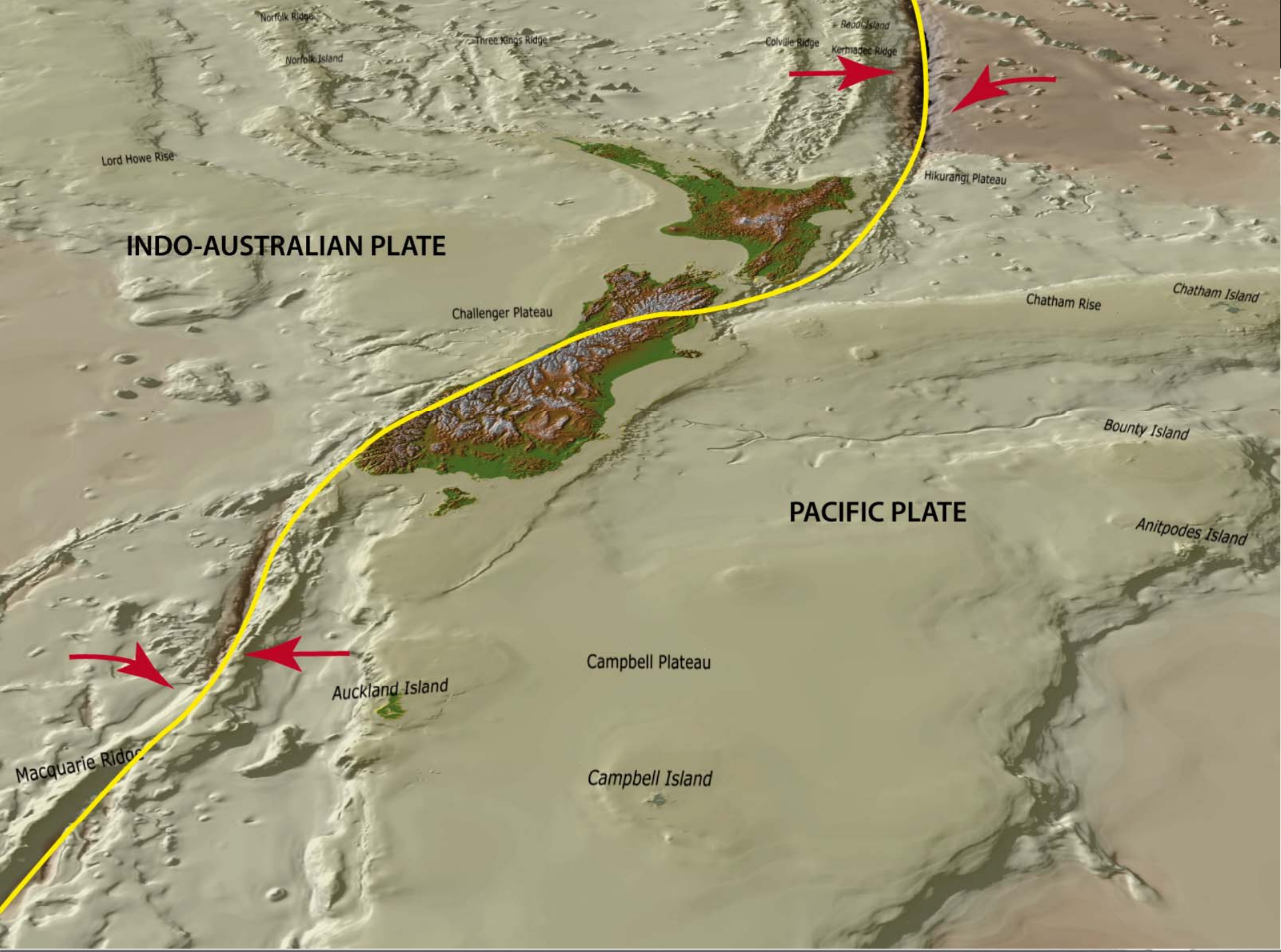
Total area 270,000 sq km

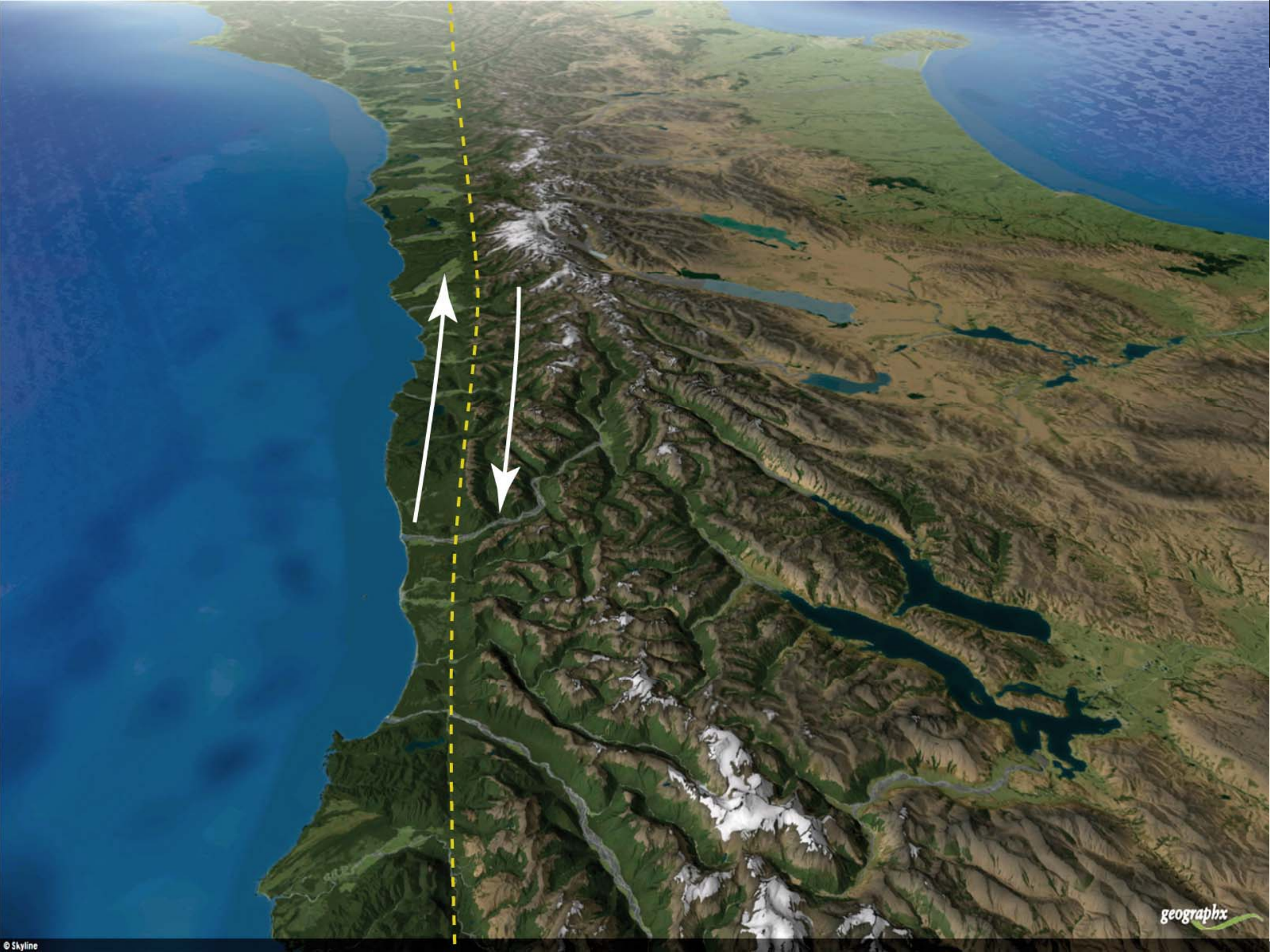
70% classified as hilly or steep

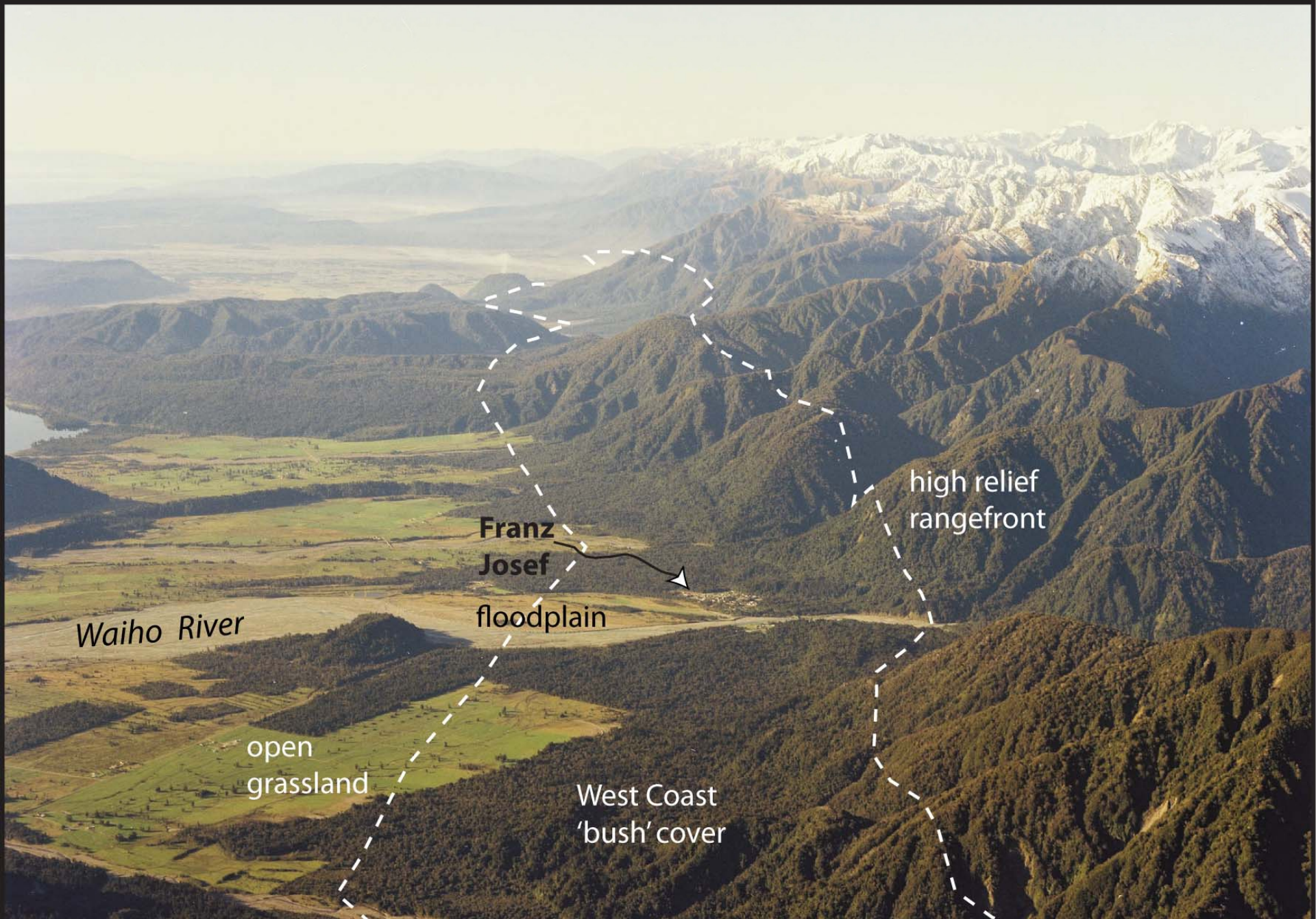
Over 60% >300m in altitude

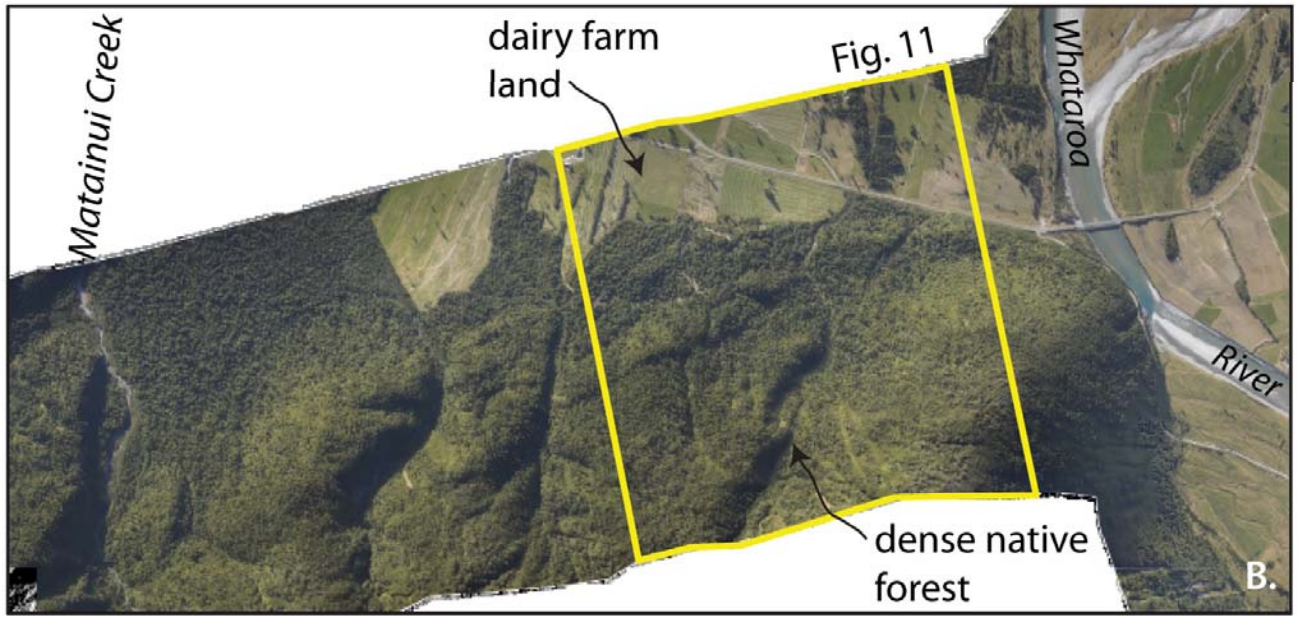
Mountains reach 3750m


Norfolk Ridge
Norfolk Island
Three Kings Ridge
Colville Ridge
Raoul Island
Kermadec Ridge
Lord Howe Rise
Hikurangi Plateau
Challenger Plateau
Chatham Rise
Chatham Island
Bounty Island
Anitpodes Island
Campbell Plateau
Auckland Island
Macquarie Ridge
Campbell Island


Norfolk Ridge
Norfolk Island
Three Kings Ridge
Reodi Island
Colville Ridge
Kermadec Ridge
Lord Howe Rise
Hikurangi Plateau
INDO-AUSTRALIAN PLATE
Challenger Plateau
Chatham Rise
Chatham Island
Bounty Island
PACIFIC PLATE
Anitpodes Island
Campbell Plateau
Auckland Island
Campbell Island
Macquarie Ridge

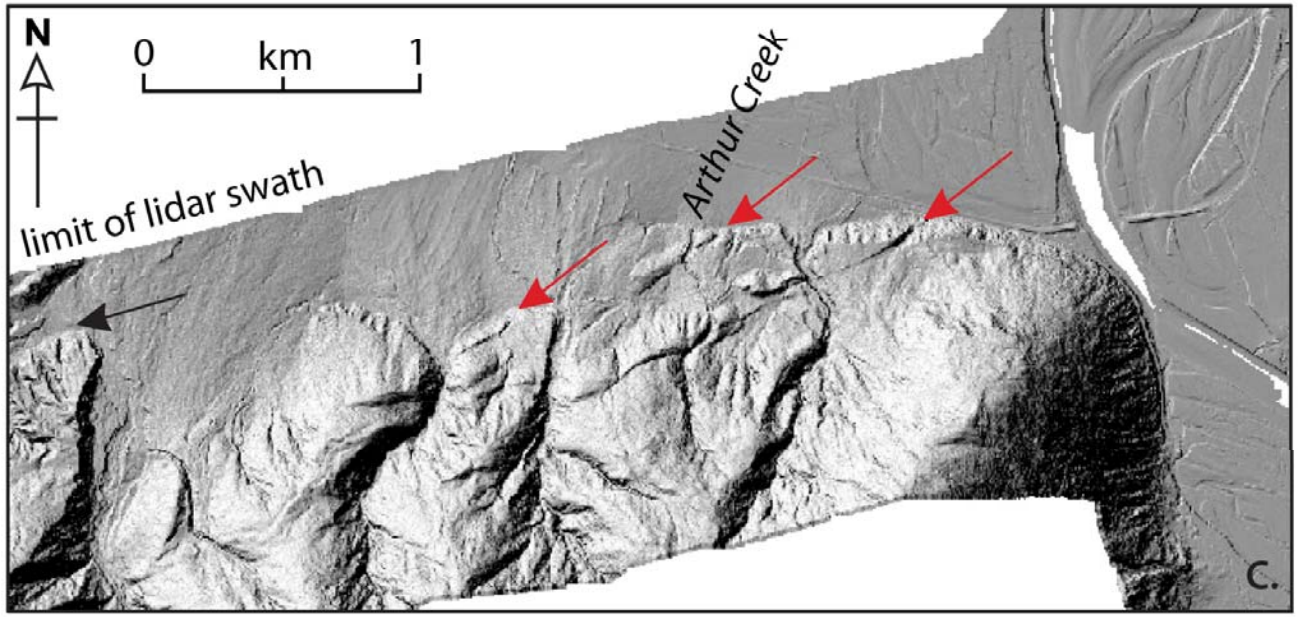

geographx
© Skyline


high relief
rangefront
Franz
Josef
floodplain
Waiho River
open
grassland
West Coast
'bush' cover



Whataroa River

Orthophoto

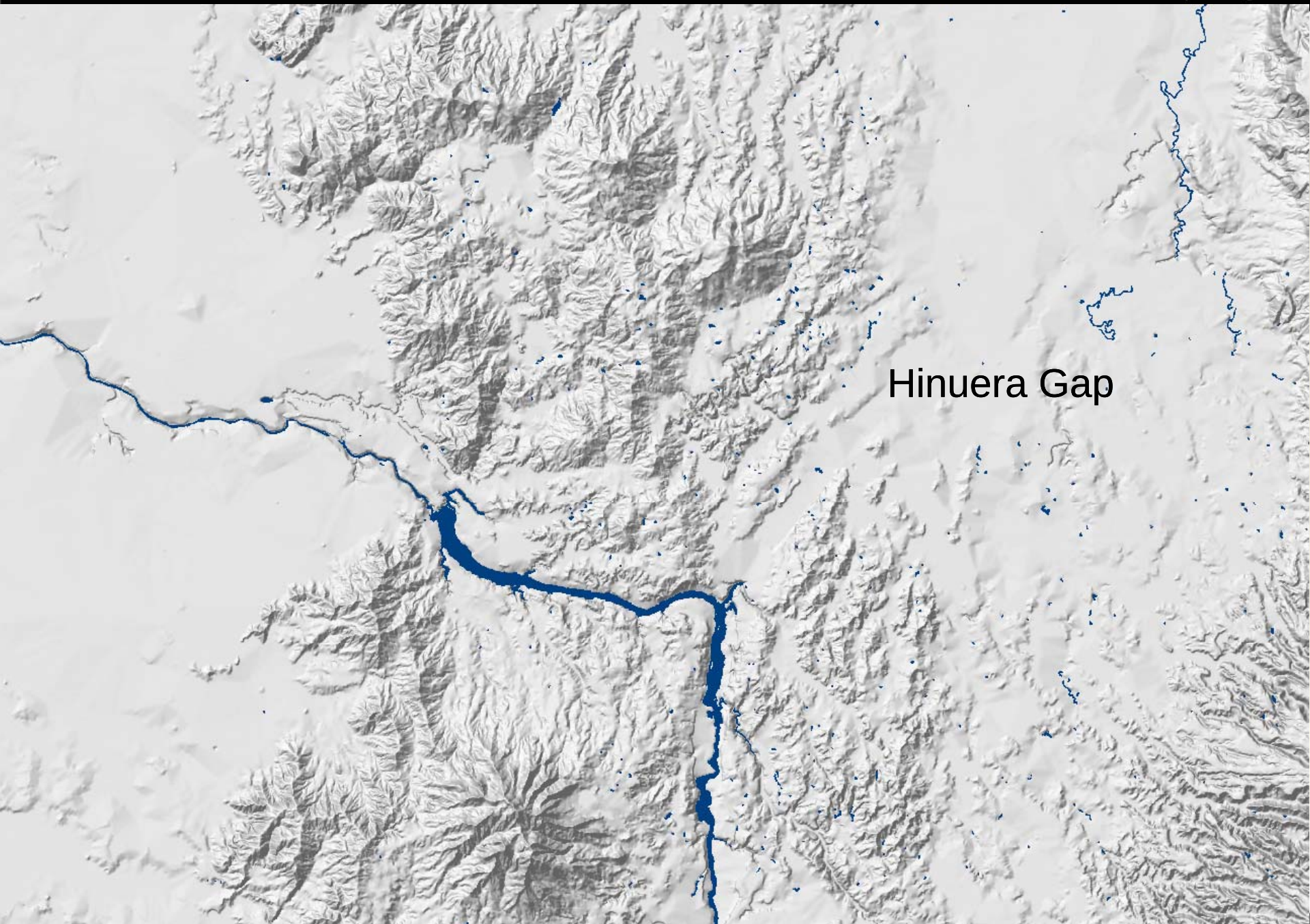


Whataroa River

2m Lidar DEM

Lake Taupo

Waikato River
today


Hinuera Gap

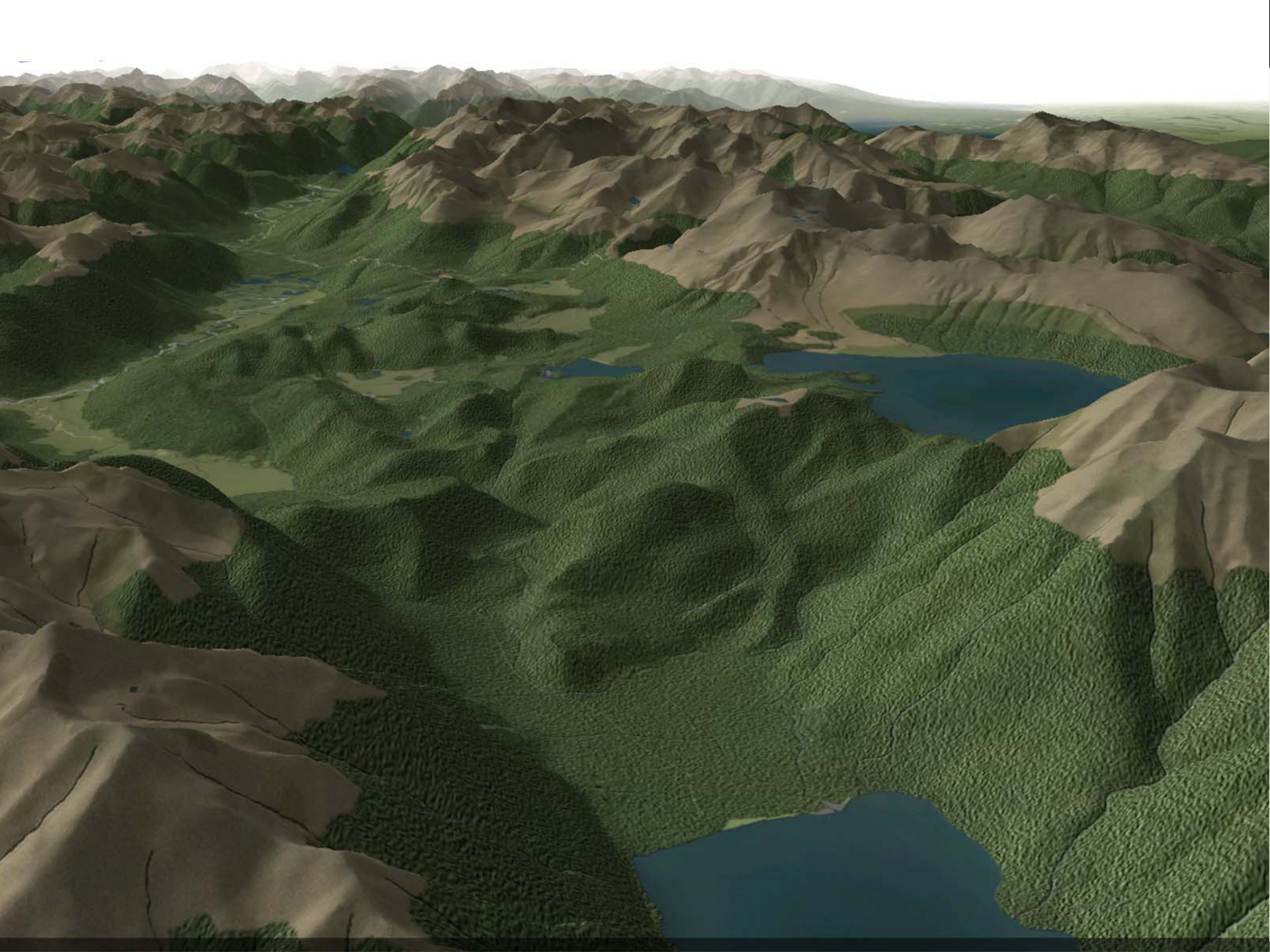
Earthquakes - 15,000/yr

Magnitude and Frequency

- 4-5 1/day
- 5-6 2/month
- 6-7 2/year
- 7-8 1 every 3 years
- >8 1 every 100 years

Christchurch 7.1 (Sep 2010), 6.3 (Feb 2011)

Green Lake landslide



Lake Waikaremoana
landslide

Lake Waikaremoana