



## Sentinel2 2020 Mainland NZ Footprints

### Metadata

#### File Identifier

12E37290-2204-433D-837C-C68D81FDD24D

#### Language

eng

#### Character Set

##### Character Set Code

utf8

#### Hierarchy Level

##### Scope Code

dataset

#### Hierarchy Level Name

dataset

### Contact

#### Responsible Party

##### Organisation Name

LUCAS, Ministry for the Environment

#### Contact Info

##### Contact

##### Address

##### Address

##### Delivery Point

23 Kate Sheppard Place, PO Box 10362

##### City

Wellington 6143

##### Country

New Zealand

##### Electronic Mail Address

lucas@mfe.govt.nz

#### Role

##### Role Code

distributor

### Date Stamp

#### Date

2020-08-03

### Metadata Standard Name

ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

### Metadata Standard Version

1.1

### Reference System Info

#### Reference System

##### Reference System Identifier

##### Identifier

##### Code

2193

### Identification Info

## Data Identification

### Citation

#### Citation

##### Title

MFE ANZLIC Sentinel2 2020 Mainland NZ Footprints

##### Date

##### Date

##### Date

### Abstract

INDEX ONLY: These footprints are the index for the 'Sentinel2 2020 Mainland NZ' mosaic. It has been provided to enable users to explore coverage and capture dates of the component imagery. To enquire about ordering the imagery itself, please e-mail lucas[at]mfe.govt.nz. The imagery represented is a 10m, ten-band multispectral, cloud-minimised mosaic of Sentinel 2A and 2B satellite tiles over mainland New Zealand made from scenes captured late-2019/early-2020.

### Purpose

The imagery is used by the Land Use Carbon Analysis System (LUCAS) at the New Zealand Ministry for the Environment to map and quantify changes in New Zealand land use. This information is used to calculate greenhouse gas emissions and removals for the Land Use, Land Use Change and Forestry (LULUCF) sector toward meeting our international reporting obligations under the Kyoto Protocol and United Nations Framework Convention on Climate Change (UNFCCC).

### Credit

The imagery contains modified Copernicus Sentinel data 2020 for Sentinel data

### Credit

European Space Agency (imagery capture, orthorectification)

### Credit

Manaaki Whenua - Landcare Research (imagery mosaicking)

### Status

#### Progress Code

completed

### Resource Maintenance

#### Maintenance Information

##### Maintenance And Update Frequency

##### Maintenance Frequency Code

notPlanned

### Resource Format

#### Format

##### Name

\*.xml

##### Version

Unknown

### Descriptive Keywords

#### Keywords

##### Keyword

New Zealand

##### Type

##### Keyword Type Code

theme

##### Thesaurus Name

##### Citation

##### Title

ANZLIC Jurisdictions

##### Date

##### Edition

Version 2.1

**Edition Date**

Date  
2008-10-29

**Identifier**

Identifier  
Code  
<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

**Cited Responsible Party**

Responsible Party  
Organisation Name  
ANZLIC the Spatial Information Council

**Role**

Role Code  
custodian

**Descriptive Keywords**

**Keywords**

Keyword  
LAND-Use

Keyword  
LAND-Cover

Keyword  
PHOTOGRAPHY-AND-IMAGERY-Satellite

Keyword  
FORESTS

**Type**

Keyword Type Code  
theme

**Thesaurus Name**

**Citation**

Title  
ANZLIC Search Words

**Date**

Edition  
Version 2.1

**Edition Date**

Date  
2008-05-16

**Identifier**

Identifier  
Code  
<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

**Cited Responsible Party**

Responsible Party  
Organisation Name  
ANZLIC the Spatial Information Council

**Role**

Role Code  
custodian

**Resource Constraints**

**Legal Constraints**

Use Limitation  
Creative Commons Attribution 4.0 International by Ministry for the Environment

**Access Constraints**

Restriction Code

license  
Resource Constraints  
  Legal Constraints  
    Use Limitation  
      Creative Commons Attribution 4.0 International by Ministry for the Environment  
    Use Constraints  
      Restriction Code  
        license

Spatial Representation Type Code  
  grid

10  
Language  
  eng

Character Set  
  Character Set Code  
    utf8

Topic Category Code  
  imageryBaseMapsEarthCover

Extent  
  EX\_Extent  
    Geographic Element  
      EX\_Geographic Bounding Box  
        166.154179.741-47.655-33.908

Extent  
  EX\_Extent  
    Geographic Element  
      EX\_Geographic Description  
        Identifier  
          Authority  
            Citation  
              Title  
              ANZMet Lite Country codelist  
            Date  
            Edition  
              Version 1.0  
            Edition Date  
              Date  
              2009-03-31  
            Identifier  
              Identifier  
              Code  
              <http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>  
            Cited Responsible Party  
              Responsible Party  
              Organisation Name  
              ANZLIC the Spatial Information Council  
            Role  
              Role Code  
              custodian  
        Code  
          nzl

Distribution Info  
  Distribution  
    Distributor  
      Distributor  
      Distributor Contact  
      Responsible Party

Organisation Name  
| LUCAS, Ministry for the Environment

Contact Info

Contact

Address

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| 23 Kate Sheppard Place, PO Box 10362

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| Wellington 6143

Country

| New Zealand

Electronic Mail Address

| lucas@mfe.govt.nz

Role

Role Code

| distributor

Distributor Format

Format

Name

| unspecified

Version

| unspecified

Specification

Footprints: Vectorised to polygon from raster to Esri ArcGIS feature class. Imagery represented: 16-bit signed, ERDAS IMAGINE .img format, Esri ArcGIS projection definition assigned subsequently.

Data Quality Info

DQ \_ Data Quality

Scope

DQ \_ Scope

Level

Scope Code

| dataset

Level Description

Scope Description

Other

| dataset

Lineage

LI \_ Lineage

Statement

Component ortho-rectified Sentinel 2A and 2B tiles in UTM projection were sourced from the European Space Agency (ESA). Bands: 1 ("B2" 490nm), 2 ("B3" 560nm), 3 ("B4" 665nm), 4 ("B5" 705nm), 5 ("B6" 740nm), 6 ("B7" 783nm), 7 ("B8" 842nm), 8 ("B8a" 865nm), 9 ("B11" 1610nm), 10 ("B12" 2190nm) Note: All bands not already 10m resolution are pan-sharpened to 10m from nominal 20m. Pan-sharpening, conversion to NZGD2000 New Zealand Transverse Mercator projection, atmospheric correction, BRDF correction, cloud-clearing, date-prioritising and cloud-minimised mosaicking completed by Manaaki Whenua - Landcare Research. Footprints were derived by vectorising (simplified) the mosaic's raster control mask using Esri ArcGIS.