



Sentinel2 2020 Chatham Islands Footprints

Metadata

File Identifier

9d814482-117a-ad0d-d206-c12f8cae88ba

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

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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

3793

Identification Info

Data Identification

Citation

Citation

Title

MFE ANZLIC Sentinel2 2020 Chatham Islands Footprints

Date

Date

Date

Abstract

INDEX ONLY: These footprints are the index for the 'Sentinel2 2020 Chatham Islands' 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](mailto: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 Chatham Islands 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

-177.028-176.123-44.523-43.55

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

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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.

Transfer Options
Digital Transfer Options
On Line
Online Resource
Linkage
URL
<https://data.mfe.govt.nz/layer/104819-sentinel2-2020-chatham-islands-footprints/>

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 Chatham Islands 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.

Metadata Constraints

Legal Constraints

Use Limitation

Attribution 4.0 International

Use Limitation

<https://creativecommons.org/licenses/by/4.0/>

Use Constraints

Restriction Code

license