

#### Metadata

##### File Identifier

1cd9f2e2-e2b7-2715-e67e-0ec276a981a5

##### Language

###### Language Code

eng

##### Character Set

###### Character Set Code

utf8

##### Hierarchy Level

###### Scope Code

dataset

##### Hierarchy Level Name

dataset

#### Contact

##### Responsible Party

###### Individual Name

Geospatial Team

###### Organisation Name

Stats Nz

##### Contact Info

###### Contact

###### Phone

###### Telephone

###### Voice

0508 525 525

###### Address

###### Address

###### Electronic Mail Address

geography@stats.govt.nz

###### Online Resource

###### Online Resource

###### Linkage

URL

<https://datafinder.stats.govt.nz/>

**Role**

**Role Code**

owner

**Date Stamp**

**Date**

2020-01-17

**Metadata Standard Name**

ISO 19139 Geographic Information - Metadata - Implementation Specification

**Metadata Standard Version**

2007

**Spatial Representation Info**

**Vector Spatial Representation**

**Topology Level Code**

geometryOnly

**Geometric Object Type Code**

point

**Integer**

29879

**Reference System Info**

**Reference System**

**Reference System Identifier**

**Identifier**

**Code**

2193

**Code Space**

EPSG

**Version**

8.6.2

**Identification Info**

**Data Identification**

**Citation**

**Citation**

**Title**

SA12020\_V1\_00\_Centroid\_True

**Date**

**Presentation Form**

**Presentation Form Code**

mapDigital

## Abstract

This dataset contains the true centroid point layer for the annually released statistical area 1 (SA1) boundaries as at 1 January 2020. The "true" centroid is the centre of mass of that polygon, such that if some flat substance of uniform thickness and density were cut into the shape of that polygon, then that object would balance at the centroid. The centroid is a useful way of summarizing the location of a set of polygons as points, particularly when used for comparative analysis. Note that the centroid could potentially fall outside the SA1 polygon, depending on the shape of the polygon. The dataset contains the EASTING and NORTHING attributes of the centroid point in NZGD2000 New Zealand Transverse Mercator (EPSG:2193) and LATITUDE and LONGITUDE of the centroid point in decimal degrees in WGS1984 (EPSG:4326) projection.

## Purpose

This dataset contains the true centroid point layer for the annually released statistical area 1 (SA1) boundaries as at 1 January 2020.

## Credit

Stats NZ

## Point Of Contact

### Responsible Party

#### Individual Name

Geospatial Team

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### Role

#### Role Code

owner

## Descriptive Keywords

### Keywords

#### Keyword

Centroids

#### Type

##### Keyword Type Code

theme

## Descriptive Keywords

### Keywords

#### Keyword

Downloadable Data

## Resource Constraints

### Constraints

#### Use Limitation

Creative Commons Attribution 4.0 International (CC BY 4.0)

## Spatial Representation Type Code

vector

## Language

### Language Code

eng

## Character Set

### Character Set Code

utf8

## Topic Category Code

boundaries

Version 6.2 (Build 9200) ; Esri ArcGIS 10.3.1.4959

## Extent

### EX\_Extent

#### Geographic Element

##### EX\_Geographic Bounding Box

##### Extent Type Code

Boolean

true

-180180-47.102107-33.811459

## Distribution Info

### Distribution

#### Distribution Format

##### Format

##### Name

File Geodatabase Feature Class

## Transfer Options

## Digital Transfer Options

### On Line

#### Online Resource

##### Linkage

##### URL

<https://datafinder.stats.govt.nz/layer/104427-statistical-area-1-2020-centroid-true/>

## Data Quality Info

### DQ \_ Data Quality

#### Scope

##### DQ \_ Scope

##### Level

##### Scope Code

dataset

## Lineage

### LI \_ Lineage

#### Statement

SA1s are based on the meshblock pattern. Non-alignment of meshblock to cadastral boundaries is one of a number of reasons for meshblock boundary adjustments. Other reasons include requests from local authorities, Local Government Commission, Electoral Representation Commission, and to make census enumeration processes easier. From the meshblock pattern, higher geographies, including the 2020 SA1 pattern, were dissolved using the dissolve tool in the Arc GIS suite. To derive the SA1 boundaries clipped to the coastline, meshblock polygons were dissolved to exclude meshblocks with a land/water attribute of Inlet or Oceanic.

## Metadata Constraints

### Legal Constraints

#### Use Limitation

Attribution 4.0 International

#### Use Limitation

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#### Use Constraints

##### Restriction Code

license