Product data specification

Vicmap™ Admin

www.delwp.vic.gov.au

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Version 3.4 March 2021

Applies to data model Version 18.0 March 2021

AS/NZS ISO 19131:2008 compliant

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# Document History

|  |  |  |
| --- | --- | --- |
| Version | Date | Note |
| 1.0 | July 2004 | Product data description created |
| 1.2 | August 2005 | Review due to new changes |
| 1.3 | July 2007 | Contact details changed |
| 1.4 | November 2007 | Addition of ward boundaries and Department boundaries |
| 1.5 | August 2008 | Minor consistency changes |
| 1.6 | February 2009 | Addition of new legislation (wild dog trapping) dataset |
| 2.0 | June 2010 | Merged all product descriptions into one |
| 2.1 | November 2012 | Restructured document to follow template, made contact details generic, addition of new CFA datasets, removal of wild dog trapping dataset  |
| 2.2 | June 2013 | Addition of MFB datasets |
| 2.3 | November 2014 | MoG changes.Alterations made as per VEC feedback. Updates to supply enquiries, parish & township boundaries, VIC gov regions, CFA districts, CFA regions, total fire ban districts, mfb districts, mfb regions, metadata, pricing, access,glossary. Future plans, restrictions, licence restrictions, access constraints, privacy statement, required quality assurance applications sections deleted. |
| 2.4 | May 2015 | MoG changes.Removed from some data structure tables Feature\_Type and Feature\_Quality\_ID attributes. |
| 2.5 | December 2015 | Change to CFA district dataset with a new district being added |
| 2.6 | August 2016 | Addition of WARD\_2016 dataset. |
| 3.0 | March 2017 | New template and major refresh. |
| 3.1 | December 2018 | Major editing within new template |
| 3.2 | September 2020 | Addition of FRV and WARD\_2020 datasets |
| 3.3 | February 2021 | Addition of new attribute (MARINE) in FRV datasets |
| 3.4 | March 2021 | Addition of EM\_Region dataset |

This document has been formatted and structured in compliance with AS/NZS ISO 19131:2008 Geographic Information – Data product specifications.

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# Overview

## Vicmap™

Vicmap™ is the foundation that underlies most spatial information in Victoria. This portfolio of spatially related authoritative data products, comprising individual datasets, is developed and managed by the Department of Environment, Land, Water and Planning. The information provides the foundation to Victoria’s primary mapping and spatial information systems, and is used for building business information and systems.

Vicmap is a registered trademark of the Victorian Government and has been synonymous with authoritative statewide mapping since 1975.

The Vicmap portfolio includes:

|  |  |
| --- | --- |
| * + - Vicmap Address
		- Vicmap Admin
		- Vicmap Crown Land Tenure
		- Vicmap Elevation
		- Vicmap Features of Interest
		- Vicmap Hydro
		- Vicmap Imagery
		- Vicmap Index
 | * + - Vicmap Lite
		- Vicmap Planning
		- Vicmap Position
		- Vicmap Property
		- Vicmap Topographic Mapping
		- Vicmap Transport
		- Vicmap Vegetation
 |

Vicmap data are supported by a collection of reference tables, the Vicmap Reference Tables. A reference table may list the full name, description and other attributes associated with a feature code or identifier.

Further information can be found at [www.delwp.vic.gov.au/vicmap](http://www.delwp.vic.gov.au/vicmap)

## Data product specification title

Vicmap™ Admin

## Responsible party

Department of Environment, Land, Water and Planning

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## Terms and Definitions

For the purpose of this document, the following terms and definitions apply.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| ANZLIC ID | A unique identifier enabling metadata records to be discovered and differentiated within a structured data library. |
| Attribute | A characteristic of a feature that may occur as a type or an instance. |
| Custodian | An organisation responsible for ensuring the accuracy, currency, distribution of their data and the terms and conditions of access and use. |
| Data type | Specification of a value domain with operations allowed on values in this domain Refer to AS/NZS ISO 19103 |
| Dataset | Identifiable collection of data. Maybe as small as a single feature or feature attribute contained within a larger dataset. A hardcopy map maybe considered a dataset. Refer to AS/NZS ISO 19115 |
| Domain | A well-defined set both necessary and sufficient, as everything that satisfies the definition in the set and everything that does not satisfy the definition is necessarily outside the set. Refer to ISO/TS 19103 |
| the Department | Meaning the Department of Environment, Land, Water & Planning (DELWP). |
| Entity | A unit of data that can be classified and have stated relationship with other entities. |
| Feature  | An abstraction of real-world phenomena. A feature may occur as a type or an instance. Feature type or instance shall be used when only one is meant. The structure of the feature-based data model can be summarised as: feature instance = [spatial object + attribute object] |
| Metadata | Metadata is ‘data about data’ and provides a synopsis about the data lineage, accuracy and details about access permissions. Refer to ISO 19115 Geographic information―Metadata |
| Persistent Feature Identifier (PFI) | The unique code provided at creation of the feature which remains until the feature is retired.  |
| Product | Dataset or dataset series that conforms to a data product specification. |
| Quality | Totality of characteristics of a product that bear on its ability to satisfy stated and implied needs. Refer to:ISO 19113 Geographic information―Quality principlesISO 19114 Geographic information―Quality evaluation procedures |
| the State | Victoria. |
| Unique Feature identifier (UFI) | Each feature is uniquely identified and renewed with each change. |

## Acronyms

For the purpose of this document, the following acronyms may apply.

|  |  |
| --- | --- |
| **Acronym** | **Definition** |
| CFA | Country Fire Authority |
| DALA | DELWP Data Access License Agreement |
| DELWP | Department of Environment, Land, Water and Planning |
| DSV | Data Search Victoria |
| FRV | Fire Rescue Victoria |
| GNSS | Global Navigation Satellite Systems |
| IUF | Incremental Update Format |
| LGA | Local Government Area |
| MFB | Metropolitan Fire Brigade |
| VES | Vicmap Editing Service |
| SDM | Spatial DataMart (to be replaced with DataShare) |
| VEC | Victorian Electoral Commission |
| VGDD | Victorian Government Data Directory |

## Informal Description of the Data Product

Vicmap Admin consists of topologically structured polygons that depict legal land descriptions for Victoria’s political and administrative boundaries. The following datasets are included within Vicmap Admin:

* Local Government Area (LGA) boundaries
* Locality boundaries
* Postcode boundaries
* Parish & township boundaries
* Electoral Districts & Regions boundaries
* Ward boundaries
* CFA Regions, Districts and Total Fire Ban District boundaries
* FRV Regions, Districts and Legislated boundaries
* Vicgov Region boundaries
* DELWP Region boundaries
* Emergency Management Region boundaries

Vicmap Admin maintains both an accurate positioning of selected datasets, as well as a Vicmap topographic aligned. Vicmap Admin is maintained in this manner to ensure vertical topology with the Vicmap suite of products.

Vicmap updates are made available weekly through the Vicmap maintenance life cycle. The data are sourced from authoritative Custodians *via* the DELWP Custodianship Program.

# Specification Scope

### Level

Dataset.

### Extent and coverage

Vicmap Admin covers the State of Victoria. Cross-border data for select Vicmap Products are provided to DELWP by arrangement with New South Wales and South Australia, with coverage extending up to 100 kilometres into New South Wales and a 1 x 100,000 tile into South Australia. Only the topographic-themed data are maintained over the border. In the case of Vicmap Admin, this includes the topographic versions of LGA and Locality boundaries.

# Data Product Identification

### Title

Vicmap Admin

### Alternative title

VMADMIN

Vicmap Administration

Vicmap Boundaries

### Topic category

Boundaries

Location

### Abstract

Vicmap Admin is a feature-based dataset containing the location of administration boundaries for the State. Each dataset and its custodian is listed below:

|  |  |
| --- | --- |
| **Dataset** | **Custodian** |
| Victorian Local Government Area boundaries | Department of Environment, Land, Water and Planning |
| Victorian Locality Boundaries Government Boundaries  | Department of Environment, Land, Water and Planning |
| Victorian Postcode Boundaries | Australia Post |
| Victorian Parish & Township Boundaries | Department of Environment, Land, Water and Planning |
| Victorian Electoral Boundaries | Electoral Boundaries Commission |
| Victorian Local Government Ward Boundaries | Electoral Boundaries Commission |
| Victorian Government Regional Departmental Boundaries | Department of Environment, Land, Water and Planning |
| Department of Environment, Land, Water and Planning Regional Boundaries | Department of Environment, Land, Water and Planning |
| Country Fire Authority Regions, Districts and Total Fire Ban Districts | Country Fire Authority |
| Fire Rescue Victoria Regions, Districts and Legislated Boundary | Fire Rescue Victoria |
| Emergency Management Regions | Emergency Management Victoria |

The following table outlines the key datasets and the respective legislative requirements.

|  |  |
| --- | --- |
| **Data** | **Legislative requirements** |
| Local Governmental Areas (LGA) | Defined under the requirements of the Local Government Act 1989. |
| Localities (Suburb) | Defined under the requirements of the Geographic Place Names Act 1998. |
| Postcodes | N/A |
| Townships and parishes  | Parish boundaries are not defined under any legislation. The exception to this is 13 parishes that were proclaimed and these were all in the 1800's. This was under the Land Act that was current at the time.Township boundaries are proclaimed under the Land Act current at the time. At present the current land act is Land Act 1958. Any new townships would be proclaimed under this Act. |
| Electoral boundaries | Defined under the requirements of the Electoral Boundaries Commission Act 1982. |
| Ward Boundaries | Defined under the requirements of the Local Government Act 1989. |
| VicGov regions | Victorian government regions are not defined under legislation. This dataset was created by the (former) Department for Victorian communities through "A Fairer Victoria" policy released April 2005. The boundaries were activated on 1 July 2005.  |
| DELWP regions | N/A |
| CFA and MFB districts and regions | Metro Fire Brigades Act 1958 |
| FRV districts, regions and legislated boundary | Fire Service Reform Legislation 2020 |
| Emergency Management Regions | Emergency Management Act 2013 |

Table 1: The Legislative requirements of Vicmap Admin data.

# Data Content and Structure

### Data Content

Vicmap Admin contains the following feature-based vector datasets. Each hyperlink points to the dataset’s metadata record for further information.

|  |  |  |  |
| --- | --- | --- | --- |
| **ANZLIC ID** | **Dataset name** | **Description** | **Feature type** |
| [ANZVI0803002529](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002529&extractionProviderId=1) | VICMAP\_ADMIN | *\*Parent metadata record* | N/A |
| [ANZVI0803002905](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002905&extractionProviderId=1) | LGA\_POLYGON | Local Government Area Boundaries, aligned to Vicmap Property | Polygon |
| [ANZVI0803002507](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002507&extractionProviderId=1) | VMADMIN\_AD\_LGA\_AREA\_POLYGON | Local Government Area Boundaries, aligned to Vicmap Transport | Polygon |
| [ANZVI0803003027](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003027&extractionProviderId=1) | VMADMIN\_LOCALITY\_POLYGON | Locality boundaries as defined by OGN and aligned to Vicmap Property | Polygon |
| [ANZVI0803002531](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002531&extractionProviderId=1) | VMADMIN\_AD\_LOCALITY\_AREA\_POLYGON | Locality boundaries as defined by OGN and aligned to Vicmap Transport | Polygon |
| [ANZVI0803003025](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003025&extractionProviderId=1) | VMADMIN\_POSTCODE\_POLYGON | Postcode boundaries as defined by Australia Post and aligned to Vicmap Property (localities) | Polygon |
| [ANZVI0803002716](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002716&extractionProviderId=1) | VMADMIN\_PARISH\_POLYGON | Parish boundaries as defined by Surveyor General | Polygon |
| [ANZVI0803002717](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002717&extractionProviderId=1) | VMADMIN\_TOWNSHIP\_POLYGON | Delineating gazetted Township boundaries and AT boundaries | Polygon |
| [ANZVI0803005249](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803005249&extractionProviderId=1) | VMADMIN\_STATE\_ASSEMBLY\_2013 | Victorian Lower House Electoral Boundaries 2013 | Polygon |
| [ANZVI0803005250](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803005250&extractionProviderId=1) | VMADMIN\_STATE\_COUNCIL\_2013 | Victorian Upper House Electoral Boundaries 2013 | Polygon |
| [ANZVI0803008676](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803008676&extractionProviderId=1) | VMADMIN\_WARD\_2020 | Ward Boundaries aligned to Vicmap Property | Polygon |
| [ANZVI0803003034](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003034&extractionProviderId=1) | VMADMIN\_VICGOV\_REGION | Victorian Government Regional Departmental Boundaries aligned to Vicmap Property | Polygon |
| [ANZVI0803004649](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004649&extractionProviderId=1) | VMADMIN\_AD\_VICGOV\_REGION | Victorian Government Regional Departmental Boundaries aligned to Vicmap Transport | Polygon |
| [ANZVI0803005369](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803005369&extractionProviderId=1) | VMADMIN\_DELWP\_REGION | The Department’s Regional Boundaries aligned to Vicmap Transport | Polygon |
| [ANZVI0803004758](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004758&extractionProviderId=1) | VMADMIN\_CFA\_DISTRICT | Country Fire Authority District Boundaries | Polygon |
| [ANZVI0803004759](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004759&extractionProviderId=1) | VMADMIN\_CFA\_REGION | CFA Region Boundaries | Polygon |
| [ANZVI0803004761](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004761&extractionProviderId=1) | VMADMIN\_CFA\_TFB\_DISTRICT | CFA Total Fire Ban Districts | Polygon |
| [ANZVI0803008685](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803008685&extractionProviderId=1) | VMADMIN\_FRV\_DISTRICT | Fire Rescue Victoria (FRV) District Boundaries | Polygon |
| [ANZVI0803008686](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803008686&extractionProviderId=1) | VMADMIN\_FRV\_REGION | FRV Region Boundaries | Polygon |
| [ANZVI0803008696](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803008696&extractionProviderId=1) | VMADMIN\_FRV\_LEGISLATED\_ BOUNDARY | FRV Legislated Boundary | Polygon |
| [ANZVI0803008882](https://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803008882&extractionProviderId=1) | VMADMIN\_EMERGENCY\_MANAGEMENT\_REGION | Emergency Management Regions | Polygon |

Table 2: Datasets that comprise Vicmap Admin.

*\*Parent metadata record for VMADMIN. Parent metadata records act as a cover note for a product that contains a dataset series for search, discovery & delivery purposes. Refer to the data model in Appendix A.*

### Data Models

See Appendix A.

The Vicmap Admin product data model is published on DELWP’s website [www.delwp.vic.gov.au/vicmap](http://www.delwp.vic.gov.au/vicmap).

### Data Dictionary

See Appendix B.

### Data Structure

The Vicmap Admin spatial dataset consists of a series of polygons depicting administrative boundaries, which in turn define a statewide coverage of contiguous non-overlapping polygons. In combination, these polygons represent the entire administration area of Victoria. (Note that there are some exceptions to this as noted below.)

Line and point data are not included in the structure of the Vicmap Admin dataset.

Features of note include:

* There are two versions each of the LGA, Locality and Vicgov Regions datasets within Vicmap Admin. One is aligned to property features and one to topographic features. More information is provided in the metadata of these datasets. Users are encouraged to use the property-aligned version where possible as this is the official version based on gazetted boundaries.

The following table lists features of note for individual datasets:

|  |  |
| --- | --- |
| **Dataset** | **Feature of note** |
| LGA | LGA boundaries consists of contiguous non-overlapping polygons representing local government areas. Additional polygons represent unincorporated areas, such as Alpine Resorts and Gabo Island. In combination these polygons represent the land area of Victoria. |
|  | The LGA datasets (both property and topo aligned) include a three-digit LGA code that was developed in-house, as well as an Australian Bureau of Statistics (ABS) LGA code, which will enable linkages to be made to ABS data. |
|  | LGA polygons are primarily respresented as single polygons however Bass Coast exists as a multi-part polygon (to include Phillip Island). |
| Locality | Localities do not have to be wholly contained within single LGAs. |
|  | The Locality dataset contains bounded localities only, as gazetted by the Geographic Names Register. The property-aligned version includes a field for the Vicnames ID, which provides a link to the locality data gazetted by Geographic Names Register (GNR). |
|  | Locality names are for the most part unique, however some duplicates exist. For example, Golden Point exists in three areas – Ballarat, Castlemaine and Maryborough. These are distinguished by providing a bracketed name in the Locality Name field, eg, the Locality Name is “Golden Point (Ballarat)” whereas the Gazetted Locality Name is “Golden Point”. |
| Postcode  | Postcodes are aligned to localities, eg, each locality is assigned a single postcode. The postcode polygons can then be formed by aggregating those localities. The two exceptions are Melbourne and Point Cook, both of which have two different postcodes.  |
| Townships | The Townships dataset consists of non-contiguous polygons representing townships which are smaller areas of land that were identified and surveyed for the establishment of towns. |
| Electoral boundaries | Each Electoral Region is an amalgamation of eleven Electoral Districts.  |
| Wards | All external Ward boundaries are aligned to LGA boundaries, with the exception of the Borough of Queenscliffe. Unincorporated areas (such as Alpine areas and Gabo Island) are not incuded in the Wards dataset except for French Island. Melbourne City Council is represented as one Unsubdivided object. |
| CFA boundaries | The CFA districts and regions datasets cover all of Victoria except for the MFB Metropolitan District which is excluded from both datasets. |
| Vicgov & DELWP boundaries | Both the Vicgov and the DELWP regions are amalgamations of the LGA boundaries. |
| Emergency Management Regions | Emergency management regions include a distance of three nautical miles from the respective shores (including any unincorporated areas, with the exception of French Island which is declared as part of the Southern Metro region). |

Table 3

More detailed information is outlined in each dataset’s metadata record.

Rules and/or characteristics that apply to all Vicmap data:

* A Persistent Feature Identifier (PFI) is generated once for each feature at the point of creation and remains constant until a feature is retired. A PFI is unique to, and cannot be reused within a particular table. However, it is possible to have the same PFI number in different tables that does not relate to the same feature entity.
* The Unique Feature Identifier (UFI) is generated for each feature at the point of creation and changes with each modification or version. This allows users to track the changes made to a feature over time.
* Temporal Data Management. Vicmap data is never deleted, only retired. Key features are tagged with the following attributes to enable an audit trail to be maintained:
* *PFI\_created - (format dd-mm-yyyy hh:mm:ss) is the date/time stamped against each feature when its PFI is created.*
* *UFI\_created - (format dd-mm-yyyy hh:mm:ss) is the date/time stamped against each feature when its UFI is created.*
* The exception to the above rules is those datasets maintained by VEC which do not contain PFI’s and UFI’s. Updates are provided by VEC as whole file replacement.

Reference Tables including codelists and are found in VMREFTAB. The table VMREFTAB.REFERENCE\_TABLE\_RELATIONSHIP describes the links from this product tables to the Reference Tables. Refer to Appendix C for the database & reference tables associated with Vicmap Admin.

# Reference Systems

Vicmap Admin is mapped to the Geocentric Datum of Australia (GDA) and the Australian Height Datum (AHD). Data areheld in geographic latitude and longitude computed in terms of the GDA at 01 January 1994 (GDA94).

The temporal reference system for Vicmap is the Gregorian calendar.

# Data Quality

**Accuracy**

Data updates are either made in-house or via an external contractor, as specified in the table below:

|  |  |  |
| --- | --- | --- |
| **Dataset** | **Updated by whom** | **In which format** |
| LGA, Locality, Parish, Township, Postcode | External contractor | Contractor amends the data as specified (only the area affected, not the whole dataset) |
| Electoral, ward, CFA, FRV, Emergency Management Regions | In house | Whole file replacement as supplied by relevant custodian |
| Vicgov & DELWP boundaries | In house | Updated when required by aggregating appropriate LGAs (triggered by LGA change) |

**Table 4**

Data updates made by the external contractor go through the following checks and procedures:

* That all the resulting features have the correct codes (i.e if locality boundary moves all addresses inside boundary are addressed to it)
* That the road\_casement features are split at the locality/lga boundaries
* Vertical alignment checks, example:
	+ That the vertices on locality and postcode datasets are identical
	+ If a parcel boundary is being adjusted and it currently sits on the admin boundary the editor will also adjust the admin boundary accordingly, but if new parcels are being input and it affects an existing admin boundary (ie, a subdivision cutting through a locality boundary), then DELWP is consulted for verification and to confirm if/where the admin boundary should be shifted to
	+ If an LGA boundary is moved as per the gazette description, and there are other admin boundaries aligned to it (such as locality, postcode or parish boundaries), the contractor will either move these corresponding boundaries or leave them in in their original position, as advised by DELWP. If they are unsure, DELWP will be consulted for verification.

Data updates made in-house (when a full file replacement is made) incude:

* Checks for spatial and aspatial correctness (ie. field names match, data types match, no spikes/bow ties in data, etc)

Other checks (done in-house and by external contractor) include:

* Validation of entity PFI/UFI tags for uniqueness

Once data are loaded, these are subject to further QA processes *via* the Quality Reporting Tool (QRT)

* QA processes are performed regularly, i.e. weekly/fortnightly. These are used to check logical consistency (e.g. validation of accepted types according to approved reference tables or that a field in not null) or to compare the data to the authoritative source, e.g. to check whether a locality name matches that in the Geographic Names Register. Other checks include identifying spatial issues such as spikes

Due to the low number of updates made to Vicmap Admin, all changes are audited by DELWP to confirm accuracy, completeness and correctness in the capture process.

## Spatial Accuracy

Vicmap Admin has been built on the existing Vicmap framework datasets and maintains a strong relative positional accuracy (i.e. vertically aligned). For the most part, Vicmap Admin is aligned to Vicmap Property for cadastral boundaries and Vicmap Transport for road centrelines, railway alignments and creek banks. Therefore, where these align with underlying elements in related Vicmap products, the accuracy will be that of the underlying feature.

Variation or non-alignment occurs due to data origins, and/or the differing nature of content, and/or the requirements and constraints at the time of construction of the datasets. For example, the origin of a great deal of cadastral data varies from direct input survey co-ordinates to 1:25,000 property/parcel mapping, and the origin of much topographic data is the State’s 1:25,000 standard mapping program.

The table below outlines the positional accuracy of Vicmap property at different scales, so it can be assumed that the accuracy of Vicmap Admin will be similar in these areas.

|  |  |  |
| --- | --- | --- |
| **Area** | **Vicmap Property Source Mapping Scales** | **Nominal Positional Accuracy\*** |
| Developing Urban | Survey accurate CAD files | ±0.1m |
| Melbourne Metropolitan Area | 1:480 and 1:500 | ±0.5m |
| Rural Urban | 1:2,500 | ±2.5m |
| Urban Fringe | 1:10,000 | ±10m |
| Rural | 1:25,000 & 1:50,000 | ±25m |

*\* Positional Accuracy error as measured against the geodetic network of Australia.*

Table 5: Mapping scales & respective positional accuracy.

Other issues relate to temporal factors. For example, the topographic representation of a stream bank in *Vicmap Hydro* will be what exists today; the cadastral representation of the same stream bank in *Vicmap Property* will be what was surveyed at the time of alienation. Whilst observation has shown that the alignment of the same or similar features across these data sets is extraordinarily good, scale variation, temporal issues and feature definition will result in variance in many cases.

Whilst these alignment issues are being attended to, there is the need to have two versions of Vicmap Admin: one aligned to the cadastre (*Vicmap Property*) and the other to topographic features (*Vicmap Transport*, *Vicmap Hydro*, etc). Vicmap Admin datasets currently duplicated include the LGA, Locality and Vicgov\_Region datasets. It is recommended that users use the property-aligned version wherever possible, as this is the official version.

The remaining Vicmap Admin datasets have been aligned mainly to Vicmap Property. In many cases, the two are the same, however there are differences and users need to assess fitness for purpose to decide which version they need.

## Feature and Attribute Accuracy (Thematic Accuracy)

Vicmap Admin feature and attribute accuracy is a measure of the degree to which the features and attribute values of spatial objects agree with those provided by the Custodian. The maximum allowable error in attribute accuracy is 1%.

Vicmap Admin relies on the Custodial source for accuracy against ground truth (real world). DELWP may conduct *ad hoc* audit for due diligence.

## Completeness

The reliability figures indicating completeness of content between the dataset and the source material is 99%. For the latest status list of coverage for features included in Vicmap Admin please see Appendix D which includes a count for each feature.

## Logical Consistency

Logical consistency is a measure of the degree to which data comply with the technical specification. The maximum allowable error in logical consistency is 1% for maintenance activity. The test procedures are a mixture of software scripts and on-screen, visual checks.

## Post-production Validation

The Quality Assurance practices conform to the following Australian Standards (AS):

* ISO/AS/NZS 19100 series standards applicable to the data, including:
	+ ISO/AS/NZS 19113: 2004 Geographic Information—Quality Principles
	+ ISO/AS/NZS 19114: 2005 Geographic Information—Quality Evaluation Procedures, and
	+ ISO Draft Technical Specifications 19138 Geographic Information—Data Quality Measures

The following post-production validation exercises have been undertaken to ensure that no detail has been lost as a result of the capture process:

* Existing data content is checked against authoritative data sources for attribute accuracy; inconsistencies are being systematically identified and reported on a weekly basis, through the Quality Reporting Tool. These reports then form the basis for determining the priority order for rectifying non-conforming data, and
* Customer feedback, *via* NES and emails/phone calls provides an ongoing form of validation. Issues are verified with the Custodian and rectified where appropriate.

# Data Capture

**Original Construction of the Dataset**

Due to the number of different custodians for each Vicmap Admin dataset, there have been varying methods of data capture. See individual metadata statements for more information.

**Ongoing Data Capture**

Vicmap relies on the agreements and MoU’s signed with authoritative Custodians, through the *DELWP Custodianship Program*, for its data. The key custodians for Vicmap Admin are outlined below.

|  |  |
| --- | --- |
| **Data** | **Authoritative custodian** |
| *Victorian Local Government Boundaries* | Department of Environment, Land, Water and Planning |
| *Victorian Locality Boundaries*  | Department of Environment, Land, Water and Planning  |
| *Victorian Postcode Boundaries*  | Australia Post |
| *Victorian Township and Parish Boundaries*  | Department of Environment, Land, Water and Planning  |
| *Victorian Electoral Boundaries*  | Electoral Boundaries Commission |
| *Victorian Local Government Ward Boundaries*  | Electoral Boundaries Commission |
| *Victorian Government Regional Departmental Boundaries* | Department of Environment, Land, Water and Planning  |
| *Department of* *Environment, Land, Water and Planning Regional Boundaries*  | Department of Environment, Land, Water and Planning |
| *Country Fire Authority Regions, Districts and Total Fire Ban Districts* | Country Fire Authority |
| *Fire Rescue Victoria Regions, Districts and Legsislsted Boundary* | Fire Rescue Victoria |
| *Emergency Management Regions* | Emergency Management Victoria |

**Table 6:** Vicmap Admin authoritative custodians.

Data are supplied by custodians in several ways, as outlined below. Formerly there were two maintainers however currently there is only one. The data model still shows two to differentiate between the two versions—one aligned to property and one to topo.

|  |  |
| --- | --- |
| **Dataset/s** | **Method of update** |
| LGA, Locality, Parish, Township | Notification through VES/email, including diagram outlining error or gazetted change (new or changed locality). Maintained in-house. Changes made on advice of custodian or user-feedback. |
| Postcode | Aspatial link, i.e. list of localities and their respective postcodes. Maintained in-house. |
| Electoral, ward, CFA, FRV, Emergency Management Regions | Whole file replacement |
| Vicgov, DELWP boundaries | Aspatial link, i.e., list of which LGAs are amalgamated to form the Vicgov or DELWP boundary. Maintained in-house. |

**Table 7**

**Generalisations within the Data**

Vicmap Admin have not been generalised, however more information is provided in individual metadata statements.

# Data Maintenance

Changes occur on an irregular basis in response to administrative boundary reviews conducted by the respective Custodian/s, or as a result of errors being detected in the data.

Vicmap Admin can change under one of the following three terms:

* *Vicmap maintenance*—The incorporation of new data to an existing dataset *via* a spatial change request or scheduled Custodial supply. No changes are made to the data or object model, therefore change management processes are not required. Additions appear in the weekly Vicmap update, e.g. supply with a new version of Wards or CFA data, as a whole file replacement. This could also include a change to the Locality data after a new locality is created or an existing one is changed through the gazettal process.
* *Vicmap Improvements*—Changing existing data, such as moving a feature or adding attributes. The most common example occurs when underlying data change and Vicmap Admin datasets need to be moved at the same time to align with the data. It may also occur when an error in the location of the boundary is discovered, e.g. the LGA boundary may not agree with the gazetted description and therefore needs to be upgraded to match. Other Admin datasets, such as Locality and Postcode, are commonly moved at the same time to achieve alignment.
* *Vicmap upgrades*—Significant changes to a dataset that may see existing data over a large area replaced and/or may require the data model changed. Change management processes are applied. Typically this would include the addition of a new dataset to the Vicmap Admin product, or a new field to an existing dataset.

Data made available to Vicmap under Cross Border agreements are subject to the maintenance regime of the relevant jurisdiction and are not subject to the same maintenance regime of the Vicmap datasets. Cross-border data made available in Vicmap are not updated regularly.

# Areas of Application

Vicmap Admin can be used to aggregate information for analytical purposes and analyse time series trends. Administrative boundary data in combination with geo-coded address data, demographic information and specific business information enable the performance of high quality spatial analysis.

Other areas of application include but not limited to:

Strategic planning

* Valuation analysis
* Project planning
* Reference frameworks
* Graphic Index
* Integration with other Vicmap datasets
* Demographic studies, and
* Spatial analysis of address files.

# Data Product Delivery

## Access and Licensing

Vicmap Admin is freely available through Data.Vic at [www.data.vic.gov.au](http://www.data.vic.gov.au) under a Creative Commons Australia license.

The Victorian Government Data Directory also provides details such as:

* Timetable for release
* Usage and availability restrictions
* License restrictions and conditions
* Access constraints
* Exclusion of liability
* Supply and media formats
* Projections.

Vicmap is also available through a network of Data Service Providers listed at: [www.delwp.vic.gov.au/vicmapdsp](http://www.delwp.vic.gov.au/vicmapdsp)

Historical versions of Vicmap data is only available under special and exceptional circumstances, such as a legal proceeding, and may incur an administration fee.

# Metadata

The metadata, abstract and preview for the datasets within Vicmap products can be viewed at Spatial DataMart (SDM) located at [www.delwp.vic.gov.au/datasearch](http://www.delwp.vic.gov.au/datasearch) by searching for the ANZLIC ID.

# Appendix A: Data and Object Models

Vicmap data models can be located at [www.delwp.vic.gov.au/vicmap](http://www.delwp.vic.gov.au/vicmap).



# Appendix B: Data Dictionary

|  |  |
| --- | --- |
| **Column** | **Description** |
| Column\_Name | The name of the column in the database |
| Description | Brief description of what the data means |
| Type | The Oracle data type of the column, including field length in brackets where appropriate |
| P | Primary Key |
| M | Mandatory. If “Y” it means that all records must have values in this column. |

## LGA\_POLYGON

A local government area (LGA) is an administrative division of a state (Victoria) that a local government is responsible for. The term is used to refer collectively to all local governments regardless of status, whilst the local governing body itself is generally known as a council. In general, an urban or suburban LGA is called a city, as in the City of Melbourne, and a rural LGA covering a larger rural area is usually called a shire, as in Shire of Mornington Peninsula. There are also several areas with relatively low populations which are not a part of any local government area. These are known as Unincorporated areas and include areas such as ski resorts and some small islands.

The LGA\_POLYGON dataset contains gazetted LGA boundaries that are aligned to property boundaries. This dataset is the preferred one to use.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier - Uniquely identifies each record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the object. | VARCHAR2 (10) |  | Y | Y |
| LGA\_CODE | Local Government Area code - a unique code identifying the LGA. | VARCHAR2 (3) | 370 = Wellington Shire | N | Y |
| LGA \_NAME | Local Government Area name - the name of the Local Government Area.  | VARCHAR2 (45) | WELLINGTON | N | Y |
| LGA\_OFFICIAL\_NAME | Gazetted Local Government Area name | VARCHAR2 (45) | WELLINGTON SHIRE | N | Y |
| GAZETTAL\_REGISTRATION | Gazettal registration describing the boundaries of the Local Government Area (LGA) | VARCHAR2 (15) | S094 1994 p16(Gazette Number, year, page number) | N | N |
| PFI\_CREATED | The date that the Persistent Feature Identifier was created | DATE |  | N | N |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |
| UFI\_OLD | UFI of feature prior to last edit | NUMBER (10) |  | N | Y |
| ABS\_LGA\_CODE | Unique 5-digit code used by Australian Bureau of Statistics to identify the LGA | VARCHAR2(5) | 26810 | N | Y |

## AD\_LGA\_AREA\_POLYGON

The AD\_LGA\_AREA\_POLYGON dataset contains LGA boundaries that are aligned to topographic boundaries.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| UFI | Unique Feature Identifier - Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER(9) |  | Y | Y |
| PFI | Persistent Feature Identifier - Assigned at the creation of the feature and is retained for the life of the feature. | NUMBER(9) |  | N | Y |
| FEATURE\_TYPE\_CODE | Code to indicate Feature Type Code.  | VARCHAR2 (30) | All features tagged with “lga” in this dataset | N | Y |
| LGA\_CODE | Local Government Area code - a unique 3-digit code identifying the LGA. Only populated for Victorian LGAs. | VARCHAR2(3) | 370 = Wellington Shire | N | N |
| NAME | The name of the Local Government Area.  | VARCHAR2 (50) | WELLINGTON | N | Y |
| OFFICIAL\_NAME | Gazetted Local Government Area name. Only populated for Victorian LGAs. | VARCHAR2 (45) | WELLINGTON SHIRE | N | N |
| STATE | Name of state which contains feature. This dataset includes cross border data in NSW and SA so it is important to identify the Victoria data. | VARCHAR2(7) | VIC | N | Y |
| NAMED\_FEATURE\_ID | Unique identifier linking the feature to Geographic Names Register | NUMBER(9) | 13250 = WELLINGTON | N | Y |
| ABS\_LGA\_CODE | Unique 5-digit code used by Australian Bureau of Statistics to identify the LGA | VARCHAR2(5) | 26810 | N | N |
| FEATURE\_QUALITY\_ID | Code to indicate feature quality - See Reference Table: GN\_FEATURE\_QUALITY.CODE  | NUMBER(9) | 4980 = WELLINGTON | N | Y |
| CREATE\_DATE\_PFI | The date that the persistent Feature Identifier was created | DATE |  | N | Y |
| SUPERCEDED\_PFI | PFI of feature prior to last edit | NUMBER(9) |  | N | N |
| CREATE\_DATE\_UFI | The date the UFI was created | DATE |  | N | Y |

## LOCALITY\_POLYGON

A locality is a geographical area that has identifiable community and/or landscape characteristics. In urban areas, a locality is commonly referred to as a ‘suburb’. Every locality should have a unique and unambiguous name. It must have recognised and registered boundaries and not overlap with other localities. A locality provides an official reference area for addressing purposes.

The LOCALITY\_POLYGON dataset contains gazetted locality boundaries that are aligned to property boundaries.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier - Uniquely identifies each record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the object. | VARCHAR2 (10) |  | Y | Y |
| LOCALITY\_NAME | Unique Locality name - Gazetted locality name followed by a major town in brackets if not unique | VARCHAR2 (46) | ASCOT (BALLARAT) | N | Y |
| GAZETTED\_LOCALITY\_NAME | Gazetted Locality Name (may not be unique across the state). See LOCALITY\_NAME for the unique locality name. | VARCHAR2 (40) | ASCOT | N | Y |
| VICNAMES\_ID | GNR (Vicnames) Identifier | NUMBER (9) | 100198 | N | Y |
| PFI\_CREATED | The date that the Persistent Feature Identifier was created | DATE |  | N | Y |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |
| UFI\_OLD | UFI of feature prior to last edit | NUMBER (10) |  | N | Y |

## AD\_LOCALITY\_AREA\_POLYGON

The AD\_LOCALITY\_AREA\_POLYGON dataset contains locality boundaries that are aligned to topographic boundaries.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| UFI | Unique Feature Identifier - Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER(9) |  | Y | Y |
| PFI | Persistent Feature Identifier - Assigned at the creation of the feature and is retained for the life of the feature. | NUMBER(9) |  | N | Y |
| FEATURE\_TYPE\_CODE | Code to indicate Feature Type Code.  | VARCHAR2 (30) | All features tagged with “locality” in this dataset | N | Y |
| NAME | Unique Locality name - Gazetted locality name followed by a major town in brackets if not unique | VARCHAR2(50) | ASCOT (BALLARAT) | N | Y |
| NAMED\_FEATURE\_ID | Unique identifier linking the feature to Geographic Names Register | NUMBER(9) | 12810 | N | Y |
| NONUNIQUE\_LOCALITY | Gazetted Locality name | VARCHAR2 (40) | ASCOT | N | N |
| STATE | Name of state which contains feature. This dataset includes cross border data in NSW and SA so it is important to identify the Victoria data. | VARCHAR2(7) | VIC | N | Y |
| FEATURE\_QUALITY\_ID | Code to indicate feature quality - See Reference Table: GN\_FEATURE\_QUALITY.CODE  | NUMBER(9) | 4897 | N | Y |
| CREATE\_DATE\_PFI | The date that the persistent Feature Identifier was created | DATE |  | N | Y |
| SUPERCEDED\_PFI | PFI of feature prior to last edit | NUMBER(9) |  | N | Y |
| CREATE\_DATE\_UFI | The date the UFI was created | DATE |  | N | Y |

## POSTCODE\_POLYGON

A postcode is a 4-digit number allocated to geographic areas to help with the processing and delivering of mail. Postcodes are aligned to localities, and the postcode polygons are then formed by aggregating those localities.

Look-up tables may be linked to the PFI to show the name of any suburb/town/rural district falling wholly or partly within the postcode area.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier - Uniquely identifies each record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the object. | VARCHAR2 (10) |  | Y | Y |
| POSTCODE | 4-digit Postcode as defined by Australia Post | VARCHAR2 (4) | 3212 | N | Y |
| PFI\_CREATED | The date that the Persistent Feature Identifier was created | DATE |  | N | Y |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |
| UFI\_OLD | UFI of feature prior to last edit | NUMBER (10) |  | N | Y |

## PARISH\_POLYGON

Parishes and townships are cadastral divisions, used for for [land administration purposes](https://en.wikipedia.org/wiki/Lands_administrative_divisions_of_Australia). Cadastral divisions of county, parish and township form the basis for formal identification of the location of any piece of land in the state. They are only used in parcels identified by crown descriptions, rather than those with lot and plan.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier - Uniquely identifies each record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the object. | VARCHAR2 (10) |  | Y | Y |
| PARISH\_CODE | 4-digit parish code identifying the Parish | VARCHAR2 (4) | 2796 | N | Y |
| PARISH\_NAME | The name of the Parish | VARCHAR2 (45) | JIKA JIKA | N | Y |
| PFI\_CREATED | The date that the Persistent Feature Identifier was created | DATE |  | N | N |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |
| UFI\_OLD | UFI of feature prior to last edit | NUMBER (10) |  | N | Y |

## TOWNSHIP\_POLYGON

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier - Uniquely identifies each record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the object. | VARCHAR2 (10) |  | Y | Y |
| TOWNSHIP\_CODE | 4-digit Township code (5001 - 5909) or 5 Character AT code (eg 3265A in parish with code 3265) identifying the Township or AT  | VARCHAR2 (5) | 5001 or 2796A | N | Y |
| TOWNSHIP\_NAME | The name of the Township or AT  | VARCHAR2 (45) | ABERFELDY or BRUNSWICK, CITY (JIKA JIKA) | N | Y |
| PFI\_CREATED | The date that the Persistent Feature Identifier was created | DATE |  | N | N |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |
| UFI\_OLD | UFI of feature prior to last edit | NUMBER (10) |  | N | Y |

## STATE\_ASSEMBLY\_2013

STATE\_ASSEMBLY\_2013 is a statewide polygon dataset showing Lower House boundaries and names resulting from the 2012-2013 State Redivision and taking effect from the 2014 Victoria State Election. These are the Legislative Assembly Electoral Boundaries referred to as the Lower House Boundaries. These illustrate the extent of the Regions served by Members of the Victorian State Parliament Lower House.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (11) |  | Y | Y |
| DISTRICT\_CODE | Unique code assigned to Electoral District Primary key. | NUMBER (2) | 5 | N | Y |
| DISTRICT | Common name of the Electoral District as defined by the Electoral Boundaries Commission | VARCHAR2 (30) | BELLARINE | N | Y |
| DISTRICT\_LABEL | Full name of the District in upper and lower case, designed for label use. | VARCHAR2 (40) | Bellarine District | N | Y |
| REGION\_CODE | Unique identifier of the associated parent region in STATE\_COUNCIL\_2013 | NUMBER (2) | 8 | N | Y |
| REGION | Common name of parent Upper House Region as defined by the Electoral Boundaries Commission | VARCHAR2 (30) | WESTERN VICTORIA | N | Y |
| REGION\_LABEL | Full name of the Region in upper and lower case, designed for label use | VARCHAR2 (40) | Western Victoria Region | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## STATE\_COUNCIL\_2013

STATE\_COUNCIL\_2013 is a statewide polygon dataset showing Upper House boundaries and names resulting from the 2012-2013 State Redivision and taking effect from the 2014 Victorian State Election. These are the Legislative Council Electoral boundaries referred to as the Upper House Boundaries.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (11) |  | Y | Y |
| REGION\_CODE | Unique code assigned to the Electoral Region. | NUMBER (2) | 8 | N | Y |
| REGION | Common name of the Electoral Region as defined by the Electoral Boundaries Commission (as per 2005 version) | VARCHAR2 (30) | WESTERN VICTORIA | N | Y |
| REGION\_LABEL | Full name of the Region in upper and lower case, designed for label use | VARCHAR2 (40) | Western Victoria Region | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## WARD\_2020

WARD\_2020 is a statewide dataset showing the internal ward structure of all Local Government Areas in Victoria. LGA boundaries can be inferred by combining wards by their LGA or by linking to the LGA\_POLYGON table on the LGA\_CODE field. Note that this dataset includes French Island which has no wards, so most fields are blank for this record. Other than this exception, all fields are mandatory.

A ward is a division of a Local Government Area typically used for electoral purposes. Most LGAs are subdivided into wards however some are unsubdivided, with councillors elected from the whole local council. Ward boundaries are reviewed by the Victorian Electoral Commission before council elections. Wards are gazetted boundaries.

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier | NUMBER (14) |  | Y | Y |
| PFI | Persistent Feature Identifier. Assigned at the creation of the feature and is retained for the life of the feature.Primary key. | VARCHAR2 (15) |  | N | Y |
| LGA\_CODE | A unique code identifying the LGA. | VARCHAR2 (3) | 382 | N | Y |
| LGA \_NAME | The name of the Local Government Area.  | VARCHAR2 (45) | MANSFIELD | N | Y |
| WARD\_NUM | Unique VEC ward identifier. Five digits: 3-digit VEC LGA code + 2 digit ward number, eg. 54401 = Casey (544) Balla Balla Ward (01). As used in VEC electronic roll. For all wards that have been through an Electoral Representation Review the last two digits are assigned alphabetically.  | VARCHAR2 (10) | 58002 | N | Y |
| WARD\_NAME  | Common name of the Ward as defined by the Electoral Boundaries Commission | VARCHAR2 (30) | JAMIESON | N | Y |
| WARD\_LABEL | Full name of the Ward in upper and lower case, designed for label use | VARCHAR2 (40) | Jamieson Ward | N | Y |
| WARD\_TYPE | Describes whether the LGA is unsubdivided or divided into separate wards. Either “Ward” or “Unsubdivided” or “At Large”. Note: Ridings have been phased out. | VARCHAR2 (30) | WARD | N | Y |
| MEMBERS | Number of elected members (ie, councillors) in that ward | VARCHAR2 (2) | 1 | N | Y |
| EFFECTIVE\_FROM | Date when ward boundaries became active for use in elections. In most cases this will match the GAZETTAL\_DATE but in other cases it will be after the GAZETTAL\_DATE, six months before the first election in which the ward was used. | DATE | 26/02/2010 | N | Y |
| EFFECTIVE\_TO | “Effective to” date. If retirement date is known, the day before the gazettal of the replacement wards. If indefinite, i.e. a current ward with no forthcoming replacement, the “effective\_to” date is set to 01/01/2099. | DATE | 1/01/2099 | N | Y |
| GAZETTAL\_DATE | Date of Gazettal of current electoral structure.  | DATE | 17/10/2002 | N | Y |
| LAST\_REVIEWED\_DATE | “Last reviewed” date. The date of publishment of the final report for the last Representation Review. If there has been no Representation Review, the field is blank. | DATE | 10/12/2007 | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## VICGOV\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (11) |  | Y | Y |
| VICGOV\_REGION\_CODE | Unique code assigned to Vicgov Region | VARCHAR2 (2) | 11 | N | Y |
| VICGOV\_REGION\_SNAME | Short name of Vicgov Region | VARCHAR2 (13) | E METRO | N | Y |
| VICGOV\_REGION | Full name of Vicgov Region | VARCHAR2 (35) | EASTERN METROPOLITAN | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## AD\_VICGOV\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| VICGOV\_REGION\_CODE | Unique code assigned to Vicgov Region | VARCHAR2 (2) | 11 | N | Y |
| VICGOV\_REGION\_SNAME | Short name of Vicgov Region | VARCHAR2 (13) | E METRO | N | Y |
| VICGOV\_REGION | Full name of Vicgov Region | VARCHAR2 (35) | EASTERN METROPOLITAN | N | Y |
| UFI | Unique Feature identifier. Database wide, assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (9) |  | Y | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## DELWP\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| DELWP\_REGION\_CODE | Unique code assigned to DELWP Region | VARCHAR2 (1) | 5 | N | Y |
| DELWP\_REGION | Full name of DELWP Region | VARCHAR2 (20) | BARWON SOUTH WEST | N | Y |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (9) |  | Y | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## CFA\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| CFA\_REGION | Full name of CFA Region | VARCHAR2 (35) | South West | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## CFA\_DISTRICT

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| CFA\_DISTRICT | Unique code assigned to CFA District | VARCHAR2 (10) | 02 | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## CFA\_TFB\_DISTRICT

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| TFB\_DISTRICT | Full name of Total Fire Ban District. | VARCHAR2 (40) | SOUTH WEST | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## FRV\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| REGION | Name of FRV Region | VARCHAR2 (20) | NWO | N | Y |
| MARINE | Indicates the area covered by Port Phillip Bay. | VARCHAR2 (1) | Y | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## FRV\_DISTRICT

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| DISTRICT | Name of FRV District | VARCHAR2 (10) | SOUTHERN D1 | N | Y |
| MARINE | Indicates the area covered by Port Phillip Bay. | VARCHAR2 (1) | Y | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## FRV\_LEGISLATED\_BOUNDARY

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (14) |  | Y | Y |
| AGENCY | Agency that is assigned to the area | VARCHAR2 (6) | FRV | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

## EMERGENCY\_MANAGEMENT\_REGION

| **VMADMIN Attribute** | **Explanation** | **Field type/size** | **Examples** | **Primary Key** | **Mandatory** |
| --- | --- | --- | --- | --- | --- |
| UFI | Database wide Unique Feature identifier. Assigned at every feature creation or edit, superseded by each edit to the feature. | NUMBER (10) |  | Y | Y |
| EM\_REGION | Emergency Management Region name | VARCHAR2 (20) | Barwon South West | N | Y |
| UFI\_CREATED | The date the UFI was created | DATE |  | N | Y |

# Appendix C: Database and Reference Tables

 Reference tables used in the production and maintenance of Vicmap Admin include:

|  |  |  |
| --- | --- | --- |
| **CODE** | **NAME** | **DESCRIPTION** |
| LGA | VMREFTAB.LGA | List of Local Government names, their corresponding codes and status of each LGA (e.g. active, obsolete). Does not include LGAs pre-amalgamations in 1994. |
| LGA\_CLASS | VMREFTAB.LGA\_CLASS | List of LGA class codes and definitions (e.g. B = Borough, C = City, etc.) |
| Locality | VMREFTAB.LOCALITY | List of gazetted localities as well as their unique names, e.g. Golden Point (Ballarat), and Vicnames\_ID. |
| Parish | VMREFTAB.PARISH | List of parish codes and names |
| Township | VMREFTAB.TOWNSHIP | List of township codes and names, and status of each township (e.g. Active, Rescinded, Unmapped) |
| Parish & township | VMREFTAB.PARISH\_TOWN | List of all parishes and townships, and their codes |

Copies of these tables available online at [www.delwp.vic.gov.au/vicmap](http://www.delwp.vic.gov.au/vicmap) or directly from the Department. Stored as ‘Oracle’ tables and are available in most database, spread sheet and delimited formats. Some of the tables are dynamic, with changes being incorporated as new entries are determined. Users should regularly check the website.

## LGA\_CODE

|  |  |  |
| --- | --- | --- |
| **CODE** | **LGA** | **GAZETTED\_LGA\_NAME** |
| 300 | ALPINE | ALPINE SHIRE |
| 301 | ARARAT | ARARAT RURAL CITY |
| 302 | BALLARAT | BALLARAT CITY |
| 303 | BANYULE | BANYULE CITY |
| 304 | BASS COAST | BASS COAST SHIRE |
| 305 | BAW BAW | BAW BAW SHIRE |
| 306 | BAYSIDE | BAYSIDE CITY |
| 307 | BOROONDARA | BOROONDARA CITY |
| 308 | BRIMBANK | BRIMBANK CITY |
| 309 | BULOKE | BULOKE SHIRE |
| 310 | CAMPASPE | CAMPASPE SHIRE |
| 311 | CARDINIA | CARDINIA SHIRE |
| 312 | CASEY | CASEY CITY |
| 313 | CENTRAL GOLDFIELDS | CENTRAL GOLDFIELDS SHIRE |
| 314 | COLAC OTWAY | COLAC OTWAY SHIRE |
| 315 | CORANGAMITE | CORANGAMITE SHIRE |
| 316 | DAREBIN | DAREBIN CITY |
| 319 | EAST GIPPSLAND | EAST GIPPSLAND SHIRE |
| 320 | FRANKSTON | FRANKSTON CITY |
| 321 | GANNAWARRA | GANNAWARRA SHIRE |
| 322 | GLEN EIRA | GLEN EIRA CITY |
| 323 | GLENELG | GLENELG SHIRE |
| 324 | GOLDEN PLAINS | GOLDEN PLAINS SHIRE |
| 325 | GREATER BENDIGO | GREATER BENDIGO CITY |
| 326 | GREATER DANDENONG | GREATER DANDENONG CITY |
| 327 | GREATER GEELONG | GREATER GEELONG CITY |
| 328 | GREATER SHEPPARTON | GREATER SHEPPARTON CITY |
| 329 | HEPBURN | HEPBURN SHIRE |
| 330 | HINDMARSH | HINDMARSH SHIRE |
| 331 | HOBSONS BAY | HOBSONS BAY CITY |
| 332 | HORSHAM | HORSHAM RURAL CITY |
| 333 | HUME | HUME CITY |
| 334 | INDIGO | INDIGO SHIRE |
| 335 | KINGSTON | KINGSTON CITY |
| 336 | KNOX | KNOX CITY |
| 337 | LATROBE | LATROBE CITY |
| 338 | LODDON | LODDON SHIRE |

Cont.

|  |  |  |
| --- | --- | --- |
| **CODE** | **LGA** | **GAZETTED\_LGA\_NAME** |
| 339 | MACEDON RANGES | MACEDON RANGES SHIRE |
| 340 | MANNINGHAM | MANNINGHAM CITY |
| 341 | MARIBYRNONG | MARIBYRNONG CITY |
| 342 | MAROONDAH | MAROONDAH CITY |
| 343 | MELBOURNE | MELBOURNE CITY |
| 344 | MELTON | MELTON CITY |
| 345 | MILDURA | MILDURA RURAL CITY |
| 346 | MITCHELL | MITCHELL SHIRE |
| 347 | MOIRA | MOIRA SHIRE |
| 348 | MONASH | MONASH CITY |
| 349 | MOONEE VALLEY | MOONEE VALLEY CITY |
| 350 | MOORABOOL | MOORABOOL SHIRE |
| 351 | MORELAND | MORELAND CITY |
| 352 | MORNINGTON PENINSULA | MORNINGTON PENINSULA SHIRE |
| 353 | MOUNT ALEXANDER | MOUNT ALEXANDER SHIRE |
| 354 | MOYNE | MOYNE SHIRE |
| 355 | MURRINDINDI | MURRINDINDI SHIRE |
| 356 | NILLUMBIK | NILLUMBIK SHIRE |
| 357 | NORTHERN GRAMPIANS | NORTHERN GRAMPIANS SHIRE |
| 358 | PORT PHILLIP | PORT PHILLIP CITY |
| 359 | PYRENEES | PYRENEES SHIRE |
| 360 | QUEENSCLIFFE | QUEENSCLIFFE BOROUGH |
| 361 | SOUTH GIPPSLAND | SOUTH GIPPSLAND SHIRE |
| 362 | SOUTHERN GRAMPIANS | SOUTHERN GRAMPIANS SHIRE |
| 363 | STONNINGTON | STONNINGTON CITY |
| 364 | STRATHBOGIE | STRATHBOGIE SHIRE |
| 365 | SURF COAST | SURF COAST SHIRE |
| 366 | SWAN HILL | SWAN HILL RURAL CITY |
| 367 | TOWONG | TOWONG SHIRE |
| 368 | WANGARATTA | WANGARATTA RURAL CITY |
| 369 | WARRNAMBOOL | WARRNAMBOOL CITY |
| 370 | WELLINGTON | WELLINGTON SHIRE |
| 371 | WEST WIMMERA | WEST WIMMERA SHIRE |
| 372 | WHITEHORSE | WHITEHORSE CITY |
| 373 | WHITTLESEA | WHITTLESEA CITY |
| 374 | WODONGA | WODONGA CITY |
| 375 | WYNDHAM | WYNDHAM CITY |

Cont.

|  |  |  |
| --- | --- | --- |
| **CODE** | **LGA** | **GAZETTED\_LGA\_NAME** |
| 376 | YARRA | YARRA CITY |
| 377 | YARRA RANGES | YARRA RANGES SHIRE |
| 378 | YARRIAMBIACK | YARRIAMBIACK SHIRE |
| 379 | FRENCH ISLAND (UNINC) | FRENCH ISLAND (UNINCORPORATED) |
| 381 | BENALLA | BENALLA RURAL CITY |
| 382 | MANSFIELD | MANSFIELD SHIRE |
| 383 | MOUNT BAW BAW ALPINE RESORT (UNINC) | MOUNT BAW BAW ALPINE RESORT (UNINCORPORATED) |
| 384 | MOUNT BULLER ALPINE RESORT (UNINC) | MOUNT BULLER ALPINE RESORT (UNINCORPORATED) |
| 385 | LAKE MOUNTAIN ALPINE RESORT (UNINC) | LAKE MOUNTAIN ALPINE RESORT (UNINCORPORATED) |
| 386 | FALLS CREEK ALPINE RESORT (UNINC) | FALLS CREEK ALPINE RESORT (UNINCORPORATED) |
| 387 | MOUNT STIRLING ALPINE RESORT (UNINC) | MOUNT STIRLING ALPINE RESORT (UNINCORPORATED) |
| 388 | MOUNT HOTHAM ALPINE RESORT (UNINC) | MOUNT HOTHAM ALPINE RESORT (UNINCORPORATED) |

# Appendix D

The table below lists the number of features in each Vicmap Admin dataset, as of September 2020.

|  |  |
| --- | --- |
| **Dataset name** | **Count** |
| LGA\_POLYGON | 87 (incl. 8 unincorpated) |
| AD\_LGA\_AREA\_POLYGON | 93 from Victoria (135 incl. SA & NSW) |
| LOCALITY\_POLYGON | 2973 |
| AD\_LOCALITY\_AREA\_POLYGON | 2974 from Vic (3709 incl.SA & NSW) |
| POSTCODE\_POLYGON | 694 |
| PARISH\_POLYGON | 2004 |
| TOWNSHIP\_POLYGON | 949 |
| STATE\_ASSEMBLY\_2013 | 88 |
| STATE\_COUNCIL\_2013 | 8 |
| WARD\_2020 | 309 |
| VICGOV\_REGION | 8 |
| AD\_VICGOV\_REGION | 8 |
| DELWP\_REGION | 6 |
| CFA\_DISTRICT | 21 |
| CFA\_REGION | 5 |
| CFA\_TFB\_DISTRICT | 9 |
| FRV\_DISTRICT | 10 |
| FRV\_REGION | 2 |
| FRV\_LEGISLATED\_BOUNDARY | 1 |
| EMERGENCY\_MANAGEMENT\_REGION | 8 |

App

Table 14 – add\_access\_type

|  |  |
| --- | --- |
| Code | Description |
| L | An address that is accessed from a road |
| W | An address that is accessed from a water way |
| I | An address that is located on an island that cannot be accessed from the mainland by road. |

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