Product data specification

Vicmap™ Address

www.delwp.vic.gov.au

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Version 6.3 August 2022

Applies to data model 6.2 November 2019

AS/NZS ISO 19131:2008 compliant

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# Overview

## Vicmap™

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

Vicmap is a registered trademark of the Victorian Government and is 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 Lite  Vicmap Planning  Vicmap Position  Vicmap Property  Vicmap Topographic Mapping  Vicmap Transport  Vicmap Vegetation |

Vicmap data is supported by a collection of Reference Tables, 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™ Address

## Responsible party

Department of Environment, Land, Water and Planning

PO Box 500, Melbourne VIC 3001 Australia

[vicmap.info@delwp.vic.gov.au](mailto:vicmap.info@delwp.vic.gov.au)

## 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 feature 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 provides 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 principles  ISO 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** |
| DALA | DELWP Data Access License Agreement |
| DELWP | Department of Environment, Land, Water & Planning |
| DSV | Data Search Victoria |
| GNSS | Global Navigation Satellite Systems |
| LUV | Land Use Victoria |
| PIQA | Property Information Quality Audit |
| SDM | Spatial DataMart *(now replaced by DataShare Victoria)* |
| VES | Vicmap Editing Service |
| VGDD | Victorian Government Data Directory |
| VMADD | Vicmap Address |

## Informal description of the data product

Vicmap Address is Victoria's authoritative geocoded database of property address points for the State. The product includes predominately, but not exclusively locational property address identifiers assigned by Local Government, considered to be the primary creator and Custodian of property addresses. Additional, where accessible, other 'real life' property addresses created and used by the community, (but not recognised by Local Government) including retirement villages, assisted care facilities, industrial, alpine resorts and public housing estates etc.

Vicmap Address can be used to map the location of addressed assets or to verify the content of business address data.

Product updates are made available weekly through the Vicmap maintenance lifecycle. The data is sourced from authoritative Custodians via the DELWP Custodianship Program.

# Specification scope

### Level

Dataset.

### Extent & coverage

Vicmap Address covers the State of Victoria.

# Data product identification

### Title

Vicmap Address

### Alternative title

VMADD

### Abstract

Vicmap Address is feature based dataset containing address points. Key inclusions are:

* Street number and street name
* Locality
* Cross reference to Local Government
* Post code and State
* Cross reference to Vicmap Property, and
* Census District Attribute.

Specifically excluded are non-property related, and electronic address details such as email, post office (PO) boxes, roadside delivery points (RSD's), roadside mailboxes (RMB's) and the like.

The minimum address attributes required for a property address to be included in Vicmap Address are road name and locality. However, the standard address details include the unit/house number(s), road name (including any type or suffix) and locality (town/suburb/rural district).

VMADD is maintained with Vicmap Property (VMPROP) whereby every Vicmap Address related to a Vicmap Property feature, joined through a *PROPERTY\_PFI* link.

### Topic category

Location.

# Data content and structure

### Data content

Vicmap Address contains feature-based vector data (points) to represent address information. It contains the following datasets:

|  |  |  |  |
| --- | --- | --- | --- |
| **ANZLIC ID** | **Dataset name** | **Description** | **Feature type** |
| ANZVI0803003126 | VMADD\_ADDRESS | Point locational property addresses | Point |
| ANZVI0803005618 | VMADD\_ADDRESS2 | Supply dataset split due to file size limitations | Point |

Table 1: Datasets that comprise Vicmap Address.

### Data models

See Appendix A.

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

### Data dictionary

See Appendix B.

### Data structure

Vector file, with address details attributed to geocoded property address features, represented as points.

Addresses must belong to one of two classes: (S)tandard and (M)iscellaneous and are attributed accordingly using the *ADDRESS\_CLASS* column.

Standard addresses will satisfy users requiring fully attributed address data. Standard property addresses are those addresses normally associated with an address product. The basic address attributes *HOUSE\_NUMBER\_1, STREET\_NAME, STREET\_TYPE* and *LOCALITY* of standard addresses must be populated. Standard addresses include all full addresses relating to both 'proposed' and 'approved' properties.

Miscellaneous addresses are those that do not have the full component of the standard addressing (i.e. missing house number 1).

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, you may have the same PFI number in different tables but 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.

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 VMADD.

# Reference systems

Vicmap Address is mapped to the Geocentric Datum of Australia (GDA) and the Australian Height Datum (AHD). Data is held in geographic latitude and longitude computed in terms of the GDA at 01 January 2020 (GDA2020).

The temporal reference system for Vicmap is the Gregorian calendar.

# Data quality

## Accuracy

Vicmap Address has been built on the existing Vicmap Property framework and maintains a strong relative positional accuracy. Therefore, any deficiency within Vicmap Property data has been inherited by the overlying address point: vertical alignment with other Vicmap datasets is retained.

|  |  |  |
| --- | --- | --- |
| **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 2: Mapping scales & respective positional accuracy.

Rural property entrance locations for distance-based addressing (i.e. Rural Road Numbers) captured via GNSS or sub-meter accuracy aerial imagery. Urban addresses are generally located at an 8m offset from the relevant property road frontage based on scale of capture (between 1:500 and 1:2,500) of the original Vicmap property data.

The following procedures are undertaken as normal update/maintenance routines, to ensure conformity of the data to specification:

* Customised menus for data editing which provide on the fly logical consistency attribute checking as data is edited
* Automated data QA processes to validate topological integrity, completeness and logical consistency
* Automated data loading routines, reflecting business rules for data population, to ensure data accuracy
* Independent review of data upon loading including aspatial attributes, spatial extents and successful data load
* Validation of accepted types according to approved reference tables
* Validation of entity PFI/UFI tags for uniqueness.

## Feature and attribute accuracy (Thematic accuracy)

Vicmap Address 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 allowable error rates in attribute accuracy are:

* 1% - where the custodial source has identified. (i.e. *SOURCE* = ‘LGO’) and the address has been verified within the previous 12 months (i.e. *SOURCE\_VERIFIED* = date within 12 months)
* 5% - where the address has not been verified in the previous 12 months (i.e. *SOURCE\_VERIFIED* = date older than 12 months)
* 10% - where the custodial source has not been identified (historical data) (i.e. *SOURCE* = ‘UNK’)

Vicmap Address relies on the Custodial source for accuracy against ground truth (real world). The Department may conduct ad hoc audit for due diligence.

## Completeness

Break up into Dataset theme and coverage, Attribute completeness, and Quality Scope, if required. The only current measure of completeness is the annual Property Information Quality Audit (PIQA). This audit of Vicmap Property & Vicmap Address against Local Government Property & Rates data provides a meaningful measure of Local Government assigned addresses. The percentage of completeness for each Local Government is shown below. Addresses assigned by other sources are yet to be audited. However, it is important to understand that in excess of 99% of property addresses are assigned by Local Government.

|  |  |  |  |
| --- | --- | --- | --- |
| **Municipality Name** | **2021/22%** | **Municipality Name** | **2021/22%** |
| Alpine | 99.39 | Mansfield | 97.14 |
| Ararat | 98.67 | Maribyrnong | 98.83 |
| Ballarat | 99.72 | Maroondah | 99.87 |
| Banyule | 96.77 | Melbourne | 99.44 |
| Bass Coast | 98.02 | Melton | 99.73 |
| Baw Baw | 97.85 | Mildura | 99.82 |
| Bayside | 99.23 | Mitchell | 99.33 |
| Benalla | 98.20 | Moira | 99.34 |
| Boroondara | 98.07 | Monash | 99.49 |
| Brimbank | 96.48 | Moonee Valley | 99.28 |
| Buloke | 99.33 | Moorabool | 99.08 |
| Campaspe | 98.69 | Moreland | 99.68 |
| Cardinia | 99.67 | Mornington Penninsula | 97.91 |
| Casey | 98.60 | Mount Alexander | 98.16 |
| Central Goldfields | 94.54 | Moyne | 98.06 |
| Colac Otway | 97.80 | Murrindindi | 98.26 |
| Corangamite | 99.66 | Nillumbik | 99.64 |
| Darebin | 98.35 | Northern Grampians | 99.93 |
| East Gippsland | 99.18 | Port Phillip | 99.68 |
| Frankston | 99.52 | Pyrenees | 98.81 |
| Gannawarra | 99.20 | Queenscliffe | 97.51 |
| Glen Eira | 99.69 | South Gippsland | 96.12 |
| Glenelg | 98.92 | Southern Grampians | 98.70 |
| Golden Plains | 99.56 | Stonnington | 97.34 |
| Greater Bendigo | 99.68 | Strathbogie | 99.94 |
| Greater Dandenong | 99.52 | Surf Coast | 99.47 |
| Greater Geelong | 98.97 | Swan Hill | 99.36 |
| Greater Shepparton | 99.48 | Towong | 99.65 |
| Hepburn | 99.08 | Wangaratta | 99.55 |
| Hindmarsh | 99.42 | Warrnambool | 99.16 |
| Hobsons Bay | 99.17 | Wellington | 98.19 |
| Horsham | 99.86 | West Wimmera | 99.33 |
| Hume | 99.59 | Whitehorse | 98.62 |
| Indigo | 97.46 | Whittlesea | 97.45 |
| Kingston | 98.53 | Wodonga | 99.32 |
| Knox | 98.68 | Wyndham | 99.61 |
| LaTrobe | 99.51 | Yarra | 98.06 |
| Loddon | 96.25 | Yarra Ranges | 99.56 |
| Macedon Ranges | 98.11 | Yarriambiack | 90.19 |
| Manningham | 99.66 |  |  |
|  |  | **Average %** | **98.69%** |

Table 3: Vicmap Address percentage of completeness 2021/2022 audit.

The 2021/22 audit against Local Government addressing revealed a 98.69% match rate. Key validation fields are '*SOURCE*' and '*SOURCE\_VERIFIED*', respectively indicating the address source and date last validated against that source.

Quality Assurance and validation routines are constantly being developed and applied in order to minimize any discrepancies or errors that may exist therein. However, both historical and ongoing non-compliance with current AS/NZS 4819:2011 by local governments, make this a work in progress.

# Data capture

Typically, Vicmap relies heavily on the agreements and MoU’s signed with authoritative Custodians, through the *LUV Custodianship Program*, for its data. Vicmap Address relies primarily on Local Government for address.

For unincorporated areas authoritative Custodians are sought for each, such as Alpine resorts and shopping centres.

# Data maintenance

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

* *Vicmap maintenance* - The incorporation of new data to an existing dataset via an M1, spatial change requests or scheduled Custodial supply. No changes are made to the data or object model, therefore does not require change management processes. Additions can be seen in the weekly Vicmap update.
* *Vicmap Improvements* – Changing existing data, example the moving of a feature or adding of attributes. Typically carried out as part of a project through the provision of new Custodial data requiring change management.
* *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.

Approximately 5% of all maintenance advice notices processed are separately audited by DELWP to confirm accuracy, completeness and correctness in the capture process.

# Data product delivery

## Access & licensing

Vicmap Address is freely available through the Victorian Government Data Directory (VGDD) at [www.data.vic.gov.au](http://www.data.vic.gov.au) under a Creative Commons Attribution 4.0 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)

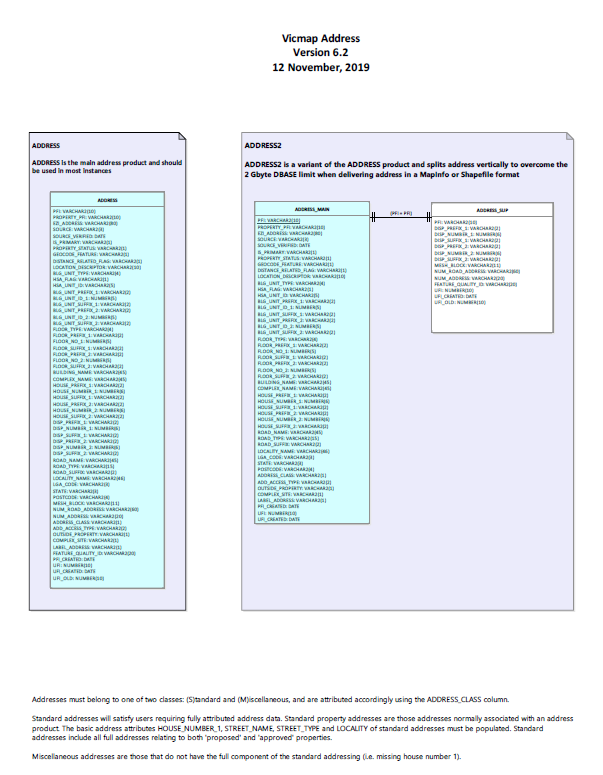
Historical versions of Vicmap data is only available under special and exceptional circumstances, such as a legal proceeding, and may incur an administration fee.

# Metadata

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

# Appendix A: Data & 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

Index to fields (attributes)

| **VMADD Attribute** | **Definition** | **Explanation** | **Field type/size** | **Examples** |
| --- | --- | --- | --- | --- |
| PFI | Persistent Feature Identifier | Uniquely identifies each address record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the address object it identifies. | VARCHAR2(10) | 167456342 |
| property\_pfi | VICMAP PROPERTY Persistent Feature Identifier | Uniquely identifies each property record. Persists through either attribute or spatial representation changes. i.e. Remains for the life of the address object it identifies. | VARCHAR2(10) | 962929590 |
| ezi\_address | Concatenation of blg\_unit\_\*, house\_\*, road\_name/type/suffix, plus locality & postcode fields | Concatenation of key address attribute fields to provide a unique address for either data matching or data labelling. | VARCHAR2(80) | 2/42 CLONAIG STREET BRIGHTON EAST 3187  56-58 DARGO STREET SALE 3850 |
| source | Definitive (where possible) source of property address data | Local Government are the creators & by default the custodians of 99+% of property addresses.  Each address identified in the annual Property Identifier Quality Audit (PIQA) as matching the property address sourced from Councils’ property data, will have the *source* field updated with a ‘LGO’ (= Local Govt. Official). N.B. The actual municipality is known via the mandatory populated *lga\_code.* Similarly, each address received through the PIP maintenance stream will also have the *source* field updated with a ‘LGO’  Expectation is that all remaining addresses will be flagged for investigation, the existence confirmed, and source identified.  Accordingly:   * appropriate reference codes to be created for other valid (“real life”) addresses * all redundant, superseded or otherwise invalid addresses will be retired * All addresses will ultimately have the *source* field populated | VARCHAR2(3) | *source* options include:   * AR = Alpine Resorts Coordinating Council * LGO = Local Government Official * LGU = Local Government Unofficial * LR = Land Registry * SPE = SPEAR * VAC = Victorian Address Custodian * UNK = Unknown   Reference table:  VMREFTAB.ADDRESS\_SOURCE.SOURCE\_CODE |
| source\_verified | Date address was last verified against the defined source dataset. | Supplements the *source* field, revealing the latest date the address was verified by the source.  Although the address *ufi\_created* date indicates the time of most recent modification. A *ufi\_created* date of many years ago does not mean the address is incorrect but promotes the likelihood of the validity being questioned. | DATE | 08/02/2009 |
| is\_primary | Primary or secondary property address | Local Government properties are assigned and identified by a single property address, but alternative or silent addresses are sometimes linked to properties for means of alternative access or future subdivision. | VARCHAR2(1) | is\_primary options:   * Y = Yes, the property’s main (primary) address * N = No, not the property’s main (primary) address. i.e. an alternative property (secondary) address   Reference table:  VMREFTAB.ADDRESS\_IS\_PRIMARY.IS PRIMARY\_CODE |
| property\_status | Indicates whether the address is associated with a “proposed” or “approved” property | Currently linked to the associated VICMAP PROPERTY property and parcel record/s  The parcel/property/address status is based on Land Registry’s approval of the relevant plan of subdivision.  The *parcel\_status* is mirrored in *property\_status* in VMPROP, and subsequently carried through to the VICMAP ADDRESS *property\_status.* | VARCHAR2(1) | property\_status options:   * P = Proposed - indicates the plan of subdivision yet to be approved * A = Approved - indicates the plan of subdivision approved (& certificate of titles issued)   Reference table:  VMREFTAB.PR\_STATUS.STATUS\_CODE |
| geocode\_feature  (formerly address\_type) | Indicates if the address point location is representative of the property entrance | Each primary address is created at the same time the property polygon/record is created. It is by default at a virtual location offset approx. 8 metres from the property road frontage.  An address is attributed as representing a property entrance, only when the coordinates are specified by the source, at a time after the initial creation.  A geocode\_feature = E may be distance\_based\_flag = Y or N | VARCHAR2(2) | geocode\_feature options:   * E = Entrance Point – indicates the address point is representative of the property entrance or access point. * V = Virtual Point – indicates the address point is somewhere in the property polygon (unless the *outside\_property* = Y). Generally near centre of the property road frontage at an offset of 8 metres   Reference table:  VMREFTAB.GEOCODE\_FEATURE.GEOCODE\_FEATURE\_CODE |
| distance\_related\_flag | Indicates if the number populated in *house\_number\_1* has been allocated based on distance. | The RRN is equal to the number of metres the property entrance is located from the start of the road, divided by ten. The number is rounded down to that odds are on the left and evens on the right as the numbers increase. | VARCHAR2(1) | distance\_related\_flag options:   * Y= Yes, the number is a distance-based number * N = No, the number is not a distance-based number. i.e. sequentially allocated (odds/evens)   Reference table:  VMREFTAB.ADDRESS\_DISTANCE\_RELATED\_FLAG.DISTANCE\_RELATED\_FLAG\_CODE |
| location\_descriptor | Describes the position of an address relative to another address | Most often utilized where a standard address is not logical, including lack of a number or/and road name. Although a free format field, a reference table has been produced in an attempt to minimize near identical descriptions. | VARCHAR2(10) | Includes: ABOVE, ADJACENT, CORNER etc.  Reference table:  VMREFTAB.ADDRESS\_LOCATION\_DESCRIPTOR.LOCATION\_DESCRIPTOR |
| blg\_unit\_type  (formerly premises\_type) | Describes the type of sub address property found, generally within a building complex | Describes the type of building sub address, but not always known or populated by Local Government. Default of UNIT is utilized where a type is not provided. | VARCHAR2(4) | blg\_unit\_type includes:  UNIT, OFFC, SHOP, BTSD etc.  Reference table:  VMREFTAB.ADDRESS\_BLG\_UNIT\_TYPE. BLG\_UNIT\_TYPE\_ABBREVIATION |
| hsa\_flag | Used to indicate that the addresses have been created in hotel style addressing (HSA). | Used whenever the addresses have been created in hotel style addressing (HSA) format as defined in the AS/NZS4819:2011 Rural and Urban Addressing Standard. Applies to multi-level addressing only. | VARCHAR2(1) | *hsa\_flag* options: -   * Y= Yes, the number is in hotel style addressing format * N = No, the number is not in hotel style addressing format   Reference table:  VMREFTAB.ADDRESS\_HOTEL\_STYLE\_FLAG.HSA\_FLAG\_CODE |
| hsa\_unit\_id | Hotel style addressing (HSA) format number | The hotel style addressing (HSA) number is a parsing of the level number and the occupancy number. It is limited to 99 occupancies on any one level. Cannot be used if occupancy occupies more than one level. | VARCHAR2(5) | Includes: B101, B201, LG01, G01, UG01, 101, 201, 301, etc. |
| blg\_unit\_prefix\_1 | Alpha character preceding the *blg\_unit\_id\_1* | Extremely uncommon usage - Non-preferred means of creating a unique address. Often where further development has within a large complex has occurred and renumbering is not considered viable. | VARCHAR2(2) | A1 |
| blg\_unit\_id\_1 | Number used to distinguish an address within a complex. | Usually adequate without *blg\_unit\_prefix* or *blg\_unit\_suffix* to distinguish individual building properties within a complex or site.  With the exception of boatsheds and bathing boxes, is used in conjunction with a *house\_\* identifier*. | NUMBER (5) | 1045 |
| blg\_unit\_suffix\_1 | Alpha character following the *blg\_unit\_id* (number) | Uncommon usage - A non-preferred means of creating a unique address. Often where further development has within a large complex has occurred and renumbering is not considered viable. | VARCHAR2(2) | 1A |
| blg\_unit\_prefix\_2 | Alpha character preceding the *blg\_unit\_id\_1* (number) | Extremely uncommon usage - Non-preferred means of creating a unique address. Address ranges in building complexes are usually nonsensical. Often the result of a single owner having two properties (possibly not adjoining) in the complex. | VARCHAR2(2) | B2 |
| blg\_unit\_id\_2 | Number used to distinguish an address within a complex. | Uncommon usage - A non-preferred means of creating a unique address. Address ranges in complexes are usually nonsensical. Often the result of a single owner having two properties in the complex. | NUMBER (5) | 1047 |
| blg\_unit\_suffix\_2 | Alpha character following the *blg\_unit\_id* (number) | Extremely uncommon usage - Non-preferred means of creating a unique address. | VARCHAR2(2) | 2B |
| floor\_type | Distinguishes the floor or level of a multi storey building/complex | Describes the type of floor or level type. | VARCHAR2(4) | *floor\_type* options include*:*  B = Basement  G = Ground  LG = Lower Ground etc.  Reference table:  VMREFTAB.ADDRESS\_FLOOR\_TYPE. FLOOR\_TYPE\_ABBREVIATION |
| floor\_prefix\_1 | Alpha character preceding the *floor\_no\_1* | Extremely uncommon usage - Non-preferred means of creating a unique floor number where further development has occurred and renumbering is not considered viable. | VARCHAR2(2) | A1 |
| floor\_no\_1 | Number of the floor/level | Identifies the floor/level number in conjunction with *floor\_type.* | NUMBER (5) | 1 |
| floor\_suffix\_1 | Alpha character following the *floor\_no\_1* | Extremely uncommon usage - A non-preferred means of creating a unique address. Often where further development within a large complex has occurred and renumbering is not considered viable. | VARCHAR2(2) | 1A |
| floor\_prefix\_2 | Alpha character preceding the *floor\_no\_2* | Extremely uncommon usage - Non-preferred means of creating a unique address Often where further development has within a large complex has occurred and renumbering is not considered viable. | VARCHAR2(2) | A2 |
| floor\_no\_2 | Second number component of a floor/level range. | Extremely uncommon usage - Identifies the extent of the floor/level range in conjunction with *floor\_no\_\** and *floor\_type atrributes.*  Floor ranges are often nonsensical. | NUMBER (5) | 2 |
| floor\_suffix\_2 | Alpha character following the *floor\_no\_1* (number) | Extremely uncommon usage - A non-preferred means of creating a unique address Often where further development has within a large complex has occurred and renumbering is not considered viable. | VARCHAR2(2) | 2A |
| building\_name  (aka property name) | Common usage name for an address site, including the name for a building, property. | Used generally as an adjunct to a number/roadname/locality defined address. Often aids visual identification in when locating a property. | VARCHAR2(45) | * MURDOCH WING * HAMER HALL |
| complex\_name | Common usage name for a building complex or group of addressed properties, including shopping centres, universities, retirement homes etc. | Used generally as an adjunct to a number/road name/locality defined address. Often used in conjunction with *building\_name to* aid visual identification in when locating a property. | VARCHAR2(45) | * CHADSTONE SHOPPING CENTRE * MELBOURNE UNIVERSITY |
| house\_prefix\_1 | Alpha character preceding the *house\_number\_1* | Uncommonly used – A non-preferred means of creating a unique address. Often used when further development has occurred, and renumbering is not considered viable or for complex addressing. | VARCHAR2(2) | A1 |
| house\_number\_1 | Identifies the official number of an address in a road | The number assigned by to a property – not usually within a complex.  AS/NZS 4819:2011 states “Address Number should comprise of no more than 5 numeric characters and if required a single upper-case alpha suffix”. | NUMBER (6) | 12345 |
| house\_suffix\_1 | Alpha character following the *house\_number\_1* | A non-preferred means of creating a unique address. Often used when further development has occurred, and renumbering is not considered viable. | VARCHAR2(2) | 1A |
| house\_prefix\_2 | Alpha character preceding the *house\_number\_2* | Extremely uncommon usage – generally an address of multi parcel property that has incorporated a former property with *house\_prefix\_1.* | VARCHAR2(2) | A2 |
| house\_number\_2 | Identifies the official number of an address in a road | Last number in a range of 2 or more numbers that relates to either a large property with the potential to subdivide or a multi parcel property. | NUMBER (6) | 12345 |
| house\_suffix\_2 | Alpha character following the *house\_number\_2* | Extremely uncommon usage - Non-preferred means of creating a unique address. Generally, an address of multi parcel property that has incorporated a former property with *house\_suffix\_2.* | VARCHAR2(2) | 2A |
| display\_prefix\_1 | Alpha character/s preceding the *display\_number\_1* | Extremely uncommon usage – Displayed numbers are usually a simplification of an address range, so prefixes are not utilized. | VARCHAR2(2) | A1 |
| display \_number\_1 | Number displayed on property, where different to officially assigned number/s | Used predominately in the City of Melbourne CBD by large properties. Primarily to simplify an assigned number range. Displayed fields only populated where overall displayed\_\* number differs from that officially assigned. | NUMBER (6) | 12345 |
| display\_suffix\_1 | Alpha character/s following the *display\_number\_1* | Extremely uncommon usage – Displayed numbers are usually a simplification of an address range, so prefixes are not utilized. | VARCHAR2(2) | 1A |
| display\_prefix\_2 | Alpha character/s preceding the *display\_number\_1* | Extremely uncommon usage – Displayed numbers are usually a simplification of an address range. | VARCHAR2(2) | A2 |
| display\_number\_2 | Last number in a range displayed on the property, where different to officially assigned number/s | NUMBER (6) | 12345 |
| display\_suffix\_2 | Alpha character/s following the *display\_number\_2* | VARCHAR2(2) | 2A |
| road\_name | Principal component of a road name (*road\_name*+*road\_type*+*road\_suffix)* for a pedestrian or vehicular thoroughfare | Identifies the thoroughfare name. AS/NZS 4819:2011 requires “Road names be unique with any given locality…”. Includes both public and private roads where referenced by a property address. | VARCHAR2(45) | OLD GOLDEN POINT ROAD E |
| road\_type | Supplementary and optional component of road name | Originally a description of the road. e.g. Court – a short enclose roadway, or Lane – narrow way between walls, trees etc. Often less so now as some very creative and often confusing types have been introduced. | VARCHAR2(15) | OLD GOLDEN POINT ROAD E |
| road\_suffix | Supplementary and optional component of road name – Abbreviation only | Further descriptive component, generally directional. Non preferred means of differentiating often fragmented sections of roads with same *road\_name* & *road\_type* components. | VARCHAR2(2) | OLD GOLDEN POINT ROAD E |
| locality\_name | Officially gazetted name for the bounded suburb or rural district as defined by local government and approved by GeoNames | Initially named & bounded in 1998, there are locality name duplicates that are now differentiated with the addition of a region name (assigned by ISD) in brackets following the locality name. | VARCHAR2(46) | ECHUCA |
| lga\_code | Code created and assigned to identify the local government area and unincorporated areas of the State | A code has been assigned for database efficiency and flexibility.  Unincorpated areas includes Alpine resorts and French Island. | VARCHAR2(3) | 370 = Wellington Shire  384 = Mount Buller Alpine Resort  Reference table:  VMREFTAB.LGA.LGA\_CODE |
| state | Identifies the Australian state or territory in with the address is located – Abbreviation only | All address data within the Vicmap Address dataset should fall within the State of Victoria (VIC). i.e. *state* = VIC. | VARCHAR2(3) | VIC  Reference table:  VMREFTAB.FR\_STATE.STATE\_CODE |
| postcode | Australia Post business area identifier (numeric). Assigned in accordance with postal delivery arrangements | Each postcode area generally encompasses one or more localities in their entirety. However, the alignment of postcode boundaries with locality boundaries is marginally incomplete in rural Victoria. | VARCHAR2(4) | 3129 = Sunbury |
| cd\_num | Census district number | Numbers formerly allocated by the Australian Bureau of Statistics (ABS) to equal areas of population for census data analysis. Now superseded by the mesh blocks | VARCHAR2(4) | 2041502 |
| mesh\_block | Census block number | Numbers allocated by the Australian Bureau of Statistics (ABS) to equal areas of population for census data analysis. Currently not populated. | NUMBER (11) | Not currently populated |
| num\_road\_address | Aggregation of blg\_unit\_\* and house\_\*, identifiers, plus road\_name/type/suffix fields | Aggregation of address fields, primarily for labelling in a mapping/GIS environment. | VARCHAR2(60) | 1A/57-59 SMORGON ROAD |
| num\_address | Aggregation of *blg\_unit\_\** and *house\_\*,* identifiers | Aggregation of address fields, primarily for labelling in a mapping/GIS environment. | VARCHAR2(20) | 1A/57-59 |
| address\_class | Identifies whether the address standard class attributes have been met. | Minimum mandatory addresses require the population of house\_number\_1, road\_name & locality attributes (NB: road\_name cannot be ‘UNNAMED’).  Valid exceptions for mandatory population of house\_number\_1 are where blg\_unit\_type = ‘BBOX’ or “BTSD’ and blg\_unit\_id\_1 is populated. | VARCHAR2(1) | Address\_class options include:   * S = Standard * M = Miscellaneous   Reference table:  VMREFTAB.ADDRESS\_CLASS.ADDRESS\_CLASS\_CODE |
| add\_access\_type | Indicates the type of access to the property.  Abbreviation only. | Access to a property can be either by a land-based road, by water way or onto an island without direct access from the mainland. | VARCHAR2(2) | add\_access\_type options include:   * L = Land – property is accessible by road * W = Water – property is only accessible via a water way * I = Island – property is located on an island and cannot be accessible directly from the mainland via a road   Reference table:  VMREFTAB.ADDRESS\_ACCESS\_TYPE.ACCESS\_TYPE\_CODE |
| outside\_property | Indicates if the address point location is outside the related Vicmap property polygon. Abbreviation only. | Relates to properties with:   * no abutting road frontage * unable to access from road frontage. * abuts unnamed road   Access over an adjacent property/unnamed road necessitates locating the address point at the point of access from the road the property is addressed to. | VARCHAR2(1) | *outside\_property* options include:   * Y = Yes – address point is outside property polygon * N = No – address point is not inside property polygon   Reference table:  VMREFTAB.ADDRESS\_OUTSIDE\_PROPERTY.OUTSIDE \_PROPERTY\_CODE |
| Complex\_site | Indicates whether the address is associated with a complex site or not | Relates to properties that are generally large sites comprising of multiple owners, tenants or access points and which contains multiple sub addresses e.g. university, retirement village, shopping centre | VARCHAR2(1) | Complex\_site options include:   * Y = Yes – address point is associated with complex site * N = No – address point isn’t associated with a complex site   Reference table:  VMREFTAB.ADDRESS\_COMPLEX\_SITE.COMPLEX\_SITE\_CODE |
| add\_feature\_quality\_id | Describe the source and quality of the feature. | Indicates the reliability that may be placed in the use of the street number/s as a guide to the location of actual property access points and/or the travelled distance between them. | VARCHAR2(20) | add\_feature\_quality\_id options include:   * RA\_No\_202 = (Refer Rural Addressing FQ document) * RA\_No\_202 = (Refer Rural Addressing FQ document)   Reference table:  VMREFTAB.ADDRESS\_FEATURE\_QUALITY.FEATURE\_QUALITY\_ID |
| add\_pfi\_created | Date the Persistent Feature Identifier *(pfi)* was created. | Creation date remains unchanged for the life of the address record. | DATE | 575757588 |
| ufi | Unique Feature Identifier changes with any attribute or positional change | Every address record assigned a *ufi* to facilitate change management. The *ufi* changes whenever an address record position or attribute is changed. Utilised in conjunction with *ufi\_created.* | NUMBER (14) | 78896790 |
| ufi\_created | Date the Unique Feature Identifier *(ufi)* was created. | Date will be updated every time the *ufi* changes. i.e. date of last position or attribute change. | DATE | 07/08/2008 |

# Appendix C: Database & Reference tables

### Table 1 - address\_blg\_unit\_type

|  |  |  |  |
| --- | --- | --- | --- |
| **BLG\_UNIT\_TYPE** | **ABBREVIATION** | **BLG\_UNIT\_TYPE** | **ABBREVIATION** |
| ANTENNA | ANT | MAISONETTE | MSNT |
| APARTMENT | APT | MARINE BERTH | MBTH |
| AUTO TELLER MACHINE | ATM | OFFICE | OFFC |
| BARBEQUE | BBQ | PASSAGEWAY | PSWY |
| BATHING BOX | BBOX | PENTHOUSE | PTHS |
| BERTH | BERT | RECEPTION | RPTN |
| BOATSHED | BTSD | RESERVE | RESV |
| BUILDING | BLDG | RESTAURANT | REST |
| BUNGALOW | BNGW | ROOM | ROOM |
| CAGE | CAGE | SHED | SHED |
| CARPARK | CARP | SHOP | SHOP |
| CARSPACE | CARS | SHOWCASE | SHCS |
| CARWASH | CARW | SHOWROOM | SHRM |
| CHALET | CHAL | SIGN | SIGN |
| CLUB | CLUB | SITE | SITE |
| COOLROOM | COOL | STALL | STLL |
| COTTAGE | CTGE | STORE | STOR |
| COURTYARD | CTYD | STRATA UNIT | STR |
| DUPLEX | DUPL | STUDIO | STU |
| FACTORY | FCTY | STUDIO APARTMENT | SAPT |
| FLAT | FLAT | SUBSTATION | SUBS |
| GARAGE | GRGE | SUITE | SE |
| GATE | GATE | TENANCY | TNCY |
| HALL | HALL | TOWER | TWR |
| HELIPORT | HELI | TOWNHOUSE | TNHS |
| HOSTEL | HOST | UNIT | UNIT |
| HOUSE | HSE | VAULT | VLT |
| KIOSK | KSK | VILLA | VLLA |
| LEASE | LSE | WARD | WARD |
| LOBBY | LBBY | WAREHOUSE | WHSE |
| LOFT | LOFT | WORKSHOP | WKSH |
| LOT | LOT |  |  |

### Table 2 - address\_class

|  |  |  |
| --- | --- | --- |
| **CODE** | **CLASS** | **DESCRIPTION** |
| M | MISCELLANEOUS | Requirements for Standard class attributes are not populated. |
| S | STANDARD | Mandatory population of *house\_number\_1*, *road\_name* & *locality* attributes. (N.B. *road\_name* cannot be "UNNAMED")  Valid exceptions for mandatory population of *house\_no\_1* are where *blg\_unit\_type* = ‘BBOX’ or ‘BTSD’ in conjunction and *blg\_unit\_id\_1* is populated |

### Table 3 – distance\_relate\_flag

|  |  |  |
| --- | --- | --- |
| **CODE** | **DISTANCE RELATED** | **DESCRIPTION** |
| N | NO | *house\_number\_1* not based on distance related numbering allocation. |
| Y | YES | *house\_number\_1* based on distance related numbering allocation |

### Table 4 – feature\_quality\_id

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **FEATURE\_QUALITY\_ID** | **STANDARD** | **ADDRESS\_POINT** | **MEASURING\_EQUIPMENT** | **NUMBER\_RELIABILITY** | **DESCRIPTION** |
| BR\_GNAF |  |  |  |  | Sourced from GNAF |
| PAPER\_ROAD\_ONLY |  |  |  |  | Refer (a) below |
| RA\_NO\_210 | CORIO | Centre Property Frontage | PDME | Unknown | Refer (b) below |
| RA\_NO\_218 | STANDARD VARIATIONS | Centre Property Frontage | Office | Unknown | Refer (b) below |
| RA\_NO\_202 | AS/NZ 4724 - 2000 | Property Access point | Odometer | +/- 100m | Refer (b) below |
| RA\_NO\_203 | AS/NZ 4724 - 2000 | Property Access point | Office | Unknown | Refer (b) below |
| RA\_NO\_214 | STANDARD VARIATIONS | Property Access point | Odometer | Unknown | Refer (b) below |
| RA\_NO\_215 | STANDARD VARIATIONS | Property Access point | Office | Unknown | Refer (b) below |
| RA\_NO\_207 | CORIO | Property Access point | PDME | +/- 20m | Refer (b) below |
| RA\_NO\_205 | AS/NZ 4724 - 2000 | Centre Property Frontage | Odometer | Unknown | Refer (b) below |
| RA\_NO\_204 | AS/NZ 4724 - 2000 | Centre Property Frontage | PDME | Unknown | Refer (b) below |
| RA\_NO\_206 | AS/NZ 4724 - 2000 | Centre Property Frontage | Office | Unknown | Refer (b) below |
| RA\_NO\_208 | CORIO | Property Access point | Odometer | +/- 100m | Refer (b) below |
| RA\_NO\_209 | CORIO | Property Access point | Office | Unknown | Refer (b) below |
| RA\_NO\_211 | CORIO | Centre Property Frontage | Odometer | Unknown | Refer (b) below |
| RA\_NO\_212 | CORIO | Centre Property Frontage | Office | Unknown | Refer (b) below |
| RA\_NO\_213 | STANDARD VARIATIONS | Property Access point | PDME | Unknown | Refer (b) below |
| RA\_NO\_217 | STANDARD VARIATIONS | Centre Property Frontage | Odometer | Unknown | Refer (b) below |
| RA\_NO\_216 | STANDARD VARIATIONS | Centre Property Frontage | PDME | Unknown | Refer (b) below |
| RA\_NO\_201 | AS/NZ 4724 - 2000 | Property Access point | PDME | +/- 20m | Refer (b) below |

(a) The address is not associated with a physical road i.e. the road has not been constructed and not depicted in Vicmap Transport

(b) Rural address quality id provides an indication of the origins and likely accuracy/reliability of the road number relative to the distance from the datum point and between numbers.

### Table 5 – floor\_type

|  |  |  |
| --- | --- | --- |
| **CODE** | **FLOOR TYPE** | **DESCRIPTION** |
| B | BASEMENT | Immediately below the Ground Floor |
| FL | FLOOR | Floor |
| G | GROUND | On or closet to ground level |
| L | LEVEL | Level |
| LB | LOBBY | Lobby |
| LG | LOWER GROUND FLOOR | Lower of 2 entrances at ground level |
| LL | LOWER LEVEL | Basement - non preferred |
| M | MEZZANINE | Immediate floor, between floor levels |
| OD | OBSERVATION DECK | Observation Deck |
| P | PARKING | Parking Area |
| PD | PODIUM | Podium |
| PF | PLATFORM | Platform |
| RT | ROOFTOP | Uppermost level - rooftop |
| SB | SUB-BASEMENT | Next level down from Basement |
| UG | UPPER GROUND FLOOR | Higher of 2 entrances at ground level |

### Table 6 – geocode\_feature

|  |  |  |
| --- | --- | --- |
| **CODE** | **GEOCODE FEATURE** | **DESCRIPTION** |
| V | VIRTUAL | A virtual address point is located somewhere within the Vicmap property polygon. Usually at an 8-meter offset from the Centre of the property road frontage |
| E | ENTRANCE | An entrance address point is usually located within the Vicmap property polygon to represent the entrance to the property. May be located outside the property polygon (*outside\_property* = Y) when the entrance from the road to which the property is addressed does not abut the property |

### Table 7 – is\_primary

|  |  |  |
| --- | --- | --- |
| **CODE** | **IS\_PRIMARY** | **DESCRIPTION** |
| Y | YES | The primary or principal (officially recognized) address of the associated property |
| N | NO | A secondary or alternative to the primary address. |

### Table 8 – location descriptor

|  |  |
| --- | --- |
| **LOCATION DESCRIPTOR** | **DESCRIPTION** |
| ABOVE | Above or over specified feature/address |
| ADJACENT | Close to (not necessarily abutting) specified feature/address |
| BELOW | Below or under specified feature/address |
| BETWEEN | Between referenced addressing (eg. 45-49 Smith St.) |
| CORNER | Corner of specific road name |
| EAST | Eastward direction from specified feature/address |
| FRONT | Front of specified feature/address |
| NORTH | Northward direction from specified feature/address |
| OFF | References road name providing nearest access route |
| OPPOSITE | Opposite (generally across road) from specified feature/address |
| PART | Part only of the specified feature/address |
| REAR | Rear or behind identified feature/address |
| ROOFTOP | Rooftop of the specified feature/address |
| SOUTH | Southward direction from specified feature/address |
| WEST | Westward direction from specified feature/address |

**Important Note:**

The *location\_desciptor* attribute is free text data to describe the position of the address relative to another physical site. However, to streamline descriptor variations, the above preferences are presented.

### Table 9 – outside property

|  |  |  |
| --- | --- | --- |
| **CODE** | **OUTSIDE PROPERTY** | **DESCRIPTION** |
| Y | YES | Address point is located outside the Vicmap property polygon to which it is associated. |
| N | NO | Address point is located within the Vicmap property polygon to which it is associated. |

### Table 10 – complex site

|  |  |  |
| --- | --- | --- |
| **CODE** | **OUTSIDE PROPERTY** | **DESCRIPTION** |
| Y | YES | Address point is associated with a complex site |
| N | NO | Address point not associated with a complex site |

### Table 11 – source

|  |  |  |
| --- | --- | --- |
| **CODE** | **SOURCE** | **DESCRIPTION** |
| AR | ALPINE RESORTS | Addresses obtained directly from the Alpine Resorts Coordinating Council (ARCC). |
| LGO | LOCAL GOVERNMENT – OFFICIAL | Local Government specified in *lga\_code* field - Officially included in VICMAP ADDRESS by LG from definitive LG source data. |
| LGU | LOCAL GOVERNMENT – UNOFFICIAL | Local Government specified in lga\_code field - Unofficially included in VICMAP ADDRESS from definitive LG source data. |
| LR | LAND REGISTRY | Land Titles Office and Landata |
| SPE | SPEAR | Addresses obtained from SPEAR |
| UNK | UNKNOWN | Not known |
| VAC | VICMAP ADDRESS CUSTODIAN | Vicmap Address (VICMAP ADDRESS) Custodian |

### Table 12 – lga\_code (vmadmin)

|  |  |  |
| --- | --- | --- |
| **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 |
| 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 |
| 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) |

**Important Note:**

This reference table is related to Vicmap™ Admin and has been abbreviated for the relevant purposes of reference for VICMAP ADDRESS.

### Table 13 – road\_suffix (vmtrans)

|  |  |
| --- | --- |
| **ABBREVIATION** | **ROAD SUFFIX** |
| N | NORTH |
| S | SOUTH |
| E | EAST |
| W | WEST |
| LR | LOWER |
| UP | UPPER |
| NE | NORTH EAST |
| NW | NORTH WEST |
| SE | SOUTH EAST |
| SW | SOUTH WEST |
| CN | CENTRAL |
| EX | EXTENSION |
| ML | MALL |
| OT | OUTER |
| IN | INNER |
| OF | OFF |
| ON | ON |
| A | A |
| B | B |
| C | C |
| DV | DEVIATION |
| BR | BRANCH |

### Table 14 – road\_type (vmtrans)

|  |  |  |  |
| --- | --- | --- | --- |
| **ROAD\_TYPE** | **ABBREVIATION** | **ROAD\_TYPE** | **ABBREVIATION** |
| ACCESS | ACCS | CIRCLE | CIR |
| ALLEY | ALLY | CIRCLET | CLT |
| ALLEYWAY | ALWY | CIRCUIT | CCT |
| AMBLE | AMBL | CIRCUS | CRCS |
| ANCHORAGE | ANCG | CLAIM | CLM |
| APARTMENTS | APTS | CLOSE | CL |
| APPROACH | APP | CLUSTER | CLR |
| ARCADE | ARC | COLONNADE | CLDE |
| ARCH | ARCH | COMMON | CMMN |
| ARTERIAL | ARTL | CONCOURSE | CON |
| ARTERY | ARTY | CONNECTION | CNTN |
| AVENUE | AV | CONNECTOR | CONR |
| BANAN | BA | COPSE | CPS |
| BANK | BANK | CORNER | CNR |
| BASIN | BASN | CORSEO | CSEO |
| BAY | BAY | CORSO | CSO |
| BEACH | BCH | COURSE | CRSE |
| BELT | BELT | COURT | CT |
| BEND | BEND | COURTS | CTS |
| BLOCK | BLK | COURTYARD | CTYD |
| BLUFF | BLUF | COVE | COVE |
| BOARDWALK | BWLK | CRESCENT | CR |
| BOULEVARD | BVD | CREST | CRST |
| BOULEVARDE | BVDE | CRIEF | CRF |
| BOWL | BOWL | CROOK | CRK |
| BRACE | BR | CROSS | CRSS |
| BRAE | BRAE | CROSSING | CRSG |
| BRANCHLINE | BLN | CROSSROAD | CRD |
| BREAK | BRK | CROSSWAY | COWY |
| BRIDGE | BDGE | CRUISEWAY | CUWY |
| BROADWAY | BDWY | CUL | CUL |
| BROW | BROW | CUL-DE-SAC | CSAC |
| BYPASS | BYPA | CUTTING | CUTT |
| BYWAY | BYWY | DALE | DALE |
| CAUSEWAY | CSWY | DASH | DASH |
| CENTRE | CTR | DELL | DELL |
| CENTREWAY | CNWY | DENE | DENE |
| CHASE | CH | DEVIATION | DEVN |

Cont.

|  |  |  |  |
| --- | --- | --- | --- |
| **ROAD\_TYPE** | **ABBREVIATION** | **ROAD\_TYPE** | **ABBREVIATION** |
| DIP | DIP | GAP | GAP |
| DISTRIBUTO | DSTR | GARDEN | GDN |
| DIVIDE | DIV | GARDENS | GDNS |
| DOCK | DOCK | GATE | GTE |
| DOMAIN | DOM | GATES | GTES |
| DOWN | DWN | GATEWAY | GTWY |
| DOWNS | DWNS | GLADE | GLDE |
| DRIFT | DRFT | GLADES | GLDS |
| DRIVE | DR | GLEN | GLEN |
| DRIVEWAY | DVWY | GRANGE | GRA |
| EDGE | EDGE | GREEN | GRN |
| ELBOW | ELB | GROUND | GRND |
| ELM | ELM | GROVE | GR |
| END | END | GULLY | GLY |
| ENTRANCE | ENT | HAVEN | HVN |
| ESPLANADE | ESP | HEAD | HEAD |
| ESTATE | EST | HEATH | HTH |
| EXPRESSWAY | EXP | HEIGHTS | HTS |
| EXTENSION | EXTN | HIGHROAD | HIRD |
| FAIRWAY | FAWY | HIGHWAY | HWY |
| FALL | FALL | HILL | HILL |
| FARE | FARE | HOLLOW | HLLW |
| FARMS | FRMS | HUB | HUB |
| FEN | FEN | INTERCHANG | INTG |
| FERN | FERN | INTERSECTI | INTN |
| FIREBREAK | FBRK | ISLAND | ISLD |
| FIRELINE | FLNE | JUNCTION | JNC |
| FIRETRACK | FTRK | KEY | KEY |
| FIRETRAIL | FTRL | KEYS | KEYS |
| FLAT | FLAT | KNOB | KNOB |
| FLATS | FLTS | LADDER | LADR |
| FOLLOW | FOLW | LAGOON | LGN |
| FOOTWAY | FTWY | LANDING | LDG |
| FORD | FORD | LANE | LANE |
| FORESHORE | FSHR | LANEWAY | LNWY |
| FORK | FORK | LEA | LEA |
| FORMATION | FORM | LEADER | LEDR |
| FREEWAY | FWY | LEES | LEES |
| FRONT | FRNT | LEIGH | LGH |
| FRONTAGE | FRTG | LINE | LINE |

Cont.

|  |  |  |  |
| --- | --- | --- | --- |
| **ROAD\_TYPE** | **ABBREVIATION** | **ROAD\_TYPE** | **ABBREVIATION** |
| LINK | LINK | PURSUIT | PRST |
| LOOKOUT | LKT | QUAD | QUAD |
| LOOP | LP | QUADRANGLE | QDGL |
| LOOPS | LPS | QUADRANT | QDRT |
| MALL | MALL | QUAY | QY |
| MANOR | MAN | QUAYS | QYS |
| MEAD | MEAD | RAMBLE | RMBL |
| MEANDER | MNDR | RAMP | RAMP |
| MEW | MEW | RANAE | RAN |
| MEWS | MEWS | RANGE | RNGE |
| MILE | MILE | REACH | RCH |
| MOTORWAY | MTWY | REEF | REEF |
| MOTU | MOTU | RESERVE | RES |
| MOUNT | MT | REST | REST |
| NEAVES | NVS | RETREAT | RTT |
| NOOK | NOOK | RETURN | RTN |
| OAKS | OAKS | RIDE | RIDE |
| OUTLET | OTLT | RIDGE | RDGE |
| OUTLOOK | OTLK | RIDGEWAY | RGWY |
| OVERBRIDGE | OVRB | RIGHT OF W | ROWY |
| PADDOCK | PADK | RING | RING |
| PAKU | PAKU | RISE | RISE |
| PARADE | PDE | RISING | RSNG |
| PARK | PARK | RIVER | RVR |
| PARKLANDS | PKLD | RIVERWAY | RVWY |
| PARKWAY | PWY | RIVIERA | RVRA |
| PART | PART | ROAD | RD |
| PASS | PASS | ROADS | RDS |
| PASSAGE | PSGE | ROADSIDE | RDSD |
| PATH | PATH | ROADWAY | RDWY |
| PATHWAY | PWAY | RONDE | RNDE |
| PIAZZA | PIAZ | ROSEBOWL | RSBL |
| PLACE | PL | ROTARY | RTY |
| PLATEAU | PLAT | ROUND | RND |
| PLAZA | PLZA | ROUTE | RTE |
| POCKET | PKT | ROW | ROW |
| POINT | PNT | RUA | RUA |
| PORT | PORT | RUE | RUE |
| PRIORS | PRRS | RUN | RUN |
| PROMENADE | PROM | SERVICEWAY | SVWY |

Cont.

|  |  |  |  |
| --- | --- | --- | --- |
| **ROAD\_TYPE** | **ABBREVIATION** | **ROAD\_TYPE** | **ABBREVIATION** |
| SHORE | SHOR | TRAM | TRAM |
| SHUNT | SHUN | TRAMWAY | TMWY |
| SIDING | SDNG | TRAVERSE | TVRS |
| SLOPE | SLPE | TREES | TRS |
| SOUND | SND | TRIANGLE | TRI |
| SPA | SPA | TRUNKWAY | TKWY |
| SPUR | SPUR | TUNNEL | TUNL |
| SQUARE | SQ | TURN | TURN |
| STAIRS | STRS | TWIST | TWST |
| STATE HIGH | SHWY | UNDERPASS | UPAS |
| STEEP | STP | VALE | VALE |
| STEPS | STPS | VALLEY | VLLY |
| STRAAT | STRA | VENUS | VNUS |
| STRAIGHT | STRT | VIADUCT | VIAD |
| STRAND | STRA | VIEW | VIEW |
| STREET | ST | VIEWS | VEWS |
| STRIP | STRP | VILLAGE | VLGE |
| SUBWAY | SBWY | VILLAS | VLLS |
| TARN | TARN | VISTA | VSTA |
| TEE | TEE | VUE | VUE |
| TERRACE | TCE | WADE | WADE |
| THOROUGHFARE | THOR | WALK | WALK |
| THOROUGHWAY | THWY | WALKWAY | WKWY |
| THROUGHWAY | THRU | WATERS | WTRS |
| TOLLWAY | TLWY | WATERWAY | WTWY |
| TOP | TOP | WAY | WAY |
| TOR | TOR | WHARF | WHRF |
| TOWER | TWR | WHENUA | WHNA |
| TOWERS | TWRS | WOOD | WD |
| TRACK | TRK | WOODS | WDS |
| TRAIL | TRL | WYND | WYND |
| TRAILER | TRLR | YARD | YARD |

**Important Notes:**

* This reference table is dynamic, with an ongoing Local Government acceptance of new road types in the subdivision approval process.
* Current at 16/05/2011

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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