Product data specification

Vicmap™ Features of Interest

www.delwp.vic.gov.au

|  |
| --- |
|  |

Version 3.3 December 2018

Applies to data model Version 2.1b February 2016

AS/NZS ISO 19131:2008 compliant

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
| © The State of Victoria Department of Environment, Land, Water and Planning 2019  Logo  This work is licensed under a Creative Commons Attribution 4.0 International licence. You are free to re-use the work under that licence, on the condition that you credit the State of Victoria as author. The licence does not apply to any images, photographs or branding, including the Victorian Coat of Arms, the Victorian Government logo and the Department of Environment, Land, Water and Planning (DELWP) logo. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>   |  | | --- | | ISBN 978-1-76047-172-9 (pdf/online) |   Disclaimer  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication.  Accessibility  If you would like to receive this publication in an alternative format, please telephone the DELWP Customer Service Centre on 136186, email [customer.service@delwp.vic.gov.au](mailto:customer.service@delwp.vic.gov.au) or via the National Relay Service on 133 677 [www.relayservice.com.au](http://www.relayservice.com.au). This document is also available on the internet at [www.delwp.vic.gov.au](http://www.delwp.vic.gov.au). |

# Document history

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Note |
| 3.0 | February 2016 | J LeLievre  D Blain  G Karla | Major review and template change |
| 3.1 | March 2017 | J LeLievre  D Blain  G Karla | Template change, MoG changes and minor updates  Appendix E – List of features and sub-features in Vicmap Features of Interest updated Dec 2016 |
| 3.2 | June 2017 | J LeLievre  D Blain  G Karla | Appendix E – List of features and sub-features in Vicmap Features of Interest updated June 2017 |
| 3.3 | Dec 2018 | J LeLievre  D Blain  G Karla | Appendix E – List of features and sub-features in Vicmap Features of Interest updated Dec 2018 |

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

# Publication Approval

Before this is approved, compliant metadata must be completed in MetaShare.

|  |  |  |  |
| --- | --- | --- | --- |
| Title: | Vicmap Strategy Manager | Title: | Vicmap Portfolio Manager |
| Signature: |  | Signature: |  |
| **Date:** |  | **Date:** |  |

|  |  |
| --- | --- |
| Title: | Team Leader Vicmap Data |
| Signature: |  |
| **Date:** |  |

An approved printed copy must be maintained in an appropriate DELWP TRIM file.

# Table of Contents

[Document history 1](#_Toc475019942)

[Publication Approval 1](#_Toc475019943)

[Table of Contents 2](#_Toc475019944)

[Overview 3](#_Toc475019945)

[Vicmap™ 3](#_Toc475019946)

[Data product specification title 3](#_Toc475019947)

[Responsible party 3](#_Toc475019948)

[Terms and definitions 4](#_Toc475019949)

[Acronyms 5](#_Toc475019950)

[Informal description of the data product 6](#_Toc475019951)

[Specification scope 6](#_Toc475019952)

[Level 6](#_Toc475019953)

[Extent & coverage 6](#_Toc475019954)

[Data product identification 6](#_Toc475019955)

[Title 6](#_Toc475019956)

[Alternative title 6](#_Toc475019957)

[Abstract 6](#_Toc475019958)

[Purpose 7](#_Toc475019959)

[Topic category 7](#_Toc475019960)

[Data content and structure 8](#_Toc475019961)

[Data content 8](#_Toc475019962)

[Data models 8](#_Toc475019963)

[Data dictionary 9](#_Toc475019964)

[Data structure 9](#_Toc475019965)

[Reference systems 11](#_Toc475019966)

[Data capture 11](#_Toc475019967)

[Data quality 12](#_Toc475019969)

[Accuracy 12](#_Toc475019970)

[Completeness 12](#_Toc475019971)

[Logical consistency 12](#_Toc475019972)

[Data maintenance 13](#_Toc475019973)

[Data product delivery 14](#_Toc475019974)

[Access & licensing 14](#_Toc475019975)

[Metadata 14](#_Toc475019976)

[Appendix A: Vicmap features catalogue 15](#_Toc475019977)

[Appendix B: VMFoI data & object model 16](#_Toc475019978)

[Appendix C: Database tables 17](#_Toc475019979)

[Appendix D: Reference tables 30](#_Toc475019980)

[Appendix E: List of features and sub-features in Vicmap Features of Interest 34](#_Toc475019981)

# 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 the following products:

|  |  |
| --- | --- |
| 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 Index

Vicmap data are 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 www2.delwp.vic.gov.au/maps

## Data product specification title

Vicmap™ Features of Interest

## Responsible party

Department of Environment, Land, Water and Planning

PO Box 527, Melbourne VIC 3001 Australia

[vicmap.help@delwp.vic.gov.au](mailto:vicmap.help@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. |
| Catalogue | A structured list of feature and sub-feature types specific to Vicmap Features of Interest. |
| Child record | A feature that has a child relationship to only one parent. |
| 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, may be as small as a single feature or feature attribute contained within a larger dataset. A hardcopy map may be considered a dataset.  Refer to AS/NZS ISO 19115. |
| Dataset series | Collection of datasets sharing the same product specification, also known as a product. |
| 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 | The Department of Environment, Land, Water and 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 will 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] |
| Feature type | VMFoI uses feature types to group sub-feature types for classification purposes. These are listed in the Catalogue. |
| 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. |
| Parent Record | A feature that has a parent relationship to one or many children. |
| Persistent Feature Identifier (PFI) | The unique code provided at the creation of the feature that remains until the feature is retired. |
| Product | Dataset or dataset series that conforms to a data product specification. |
| Sub-Feature type | VMFoI uses sub-feature types to further classify feature types. These are listed in the Catalogue. |
| 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 |
| 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 and Planning |
| DSV | Data Search Victoria |
| GNR | Geographic Names Register |
| NES | Notification Editing System |
| SDM | Spatial DataMart |
| VGDD | Victorian Government Data Directory |
| VMFoI | Vicmap Features of Interest |

## Informal description of the data product

Vicmap Features of Interest (VMFoI), first created in 2009, is a topologically structured digital dataset covering the state of Victoria and describing features of interest, their location and names. Examples of features include, but are not limited to: education centres, reserves, emergency facilities and landmarks. VMFoI has a large range of applications, including asset management, location-based services, logistics management and map production.

A significant characteristic of this product is its topological data structure enabling spatial relationships between features, such as adjacency, connectivity, and containment, to be explicitly stored. For example, the relationship of the children’s playground is “within” the respective reserve. This permits a range of automated functions and analyses to be performed on features that would otherwise be complicated to achieve.

Key characteristics of VMFoI:

* Provides the location and describes the features with a sub-feature type classification;
* Allows links by mapping parent and child relationships between features. Example: University can have multiple Campuses’ and a reserve can have many sporting grounds;
* Identifies the data’s Custodian and provides linkages to other databases. ;Including: Vicmap Address, the Geographic Names Register and the Custodian’s UFI for each feature in their database;
* All features have a common data structure; and
* The data model allows users to link and map against their own data or other authoritative information.

Product updates are made available weekly through the Vicmap maintenance life cycle. The data are sourced from authoritative Custodians via the *DELWP Custodianship Program.* Imagery is used as part of the products verification and validation, and improvement processes.

# Specification scope

### Level

Dataset series.

### Extent & coverage

VMFoI is a developing product, where statewide (Victoria) coverage has been achieved for some features and sub-feature types. The aim is to achieve statewide coverage for all features and sub-features linking as many relationships as possible as part of the Vicmap product improvement and maintenance plans.

Cross-border data for select Vicmap Products is provided to DELWP by arrangement with New South Wales and South Australia with coverage extending up to 100 kilometers into New South Wales and an 1 x 1:100 000 tile into South Australia. Only the topographic themed data are maintained over the border.

# Data product identification

### Title

Vicmap Features of Interest

### Alternative title

VMFoI

### Abstract

The datasets within the VMFoI product utilise approximately 200 cultural/infrastructure themes of the 300 sub-features described in the products features catalogue. Each sub-feature is represented as points, lines and/or polygons defined by coordinate spatial data (latitude and longitude) with associated attributes.

VMFoI contains the following features:

|  |  |
| --- | --- |
| * Administration facilities | * Health facilities |
| * Buildings | * Hospitals |
| * Cableways | * Landmarks |
| * Care facilities | * Offshore construction |
| * Commercial facilities | * Physiographic |
| * Communication services | * Pipeline facilities |
| * Community space | * Pipelines |
| * Community venues | * Places of worship |
| * Control points | * space |
| * Cultural centres | * Power lines |
| * Defence sites | * Reserves |
| * Dumping grounds | * Residential buildings |
| * Education centres | * Signs |
| * Emergency facilities | * Sporting facilities |
| * Excavation site | * Storage facilities |

The feature and sub-feature types in VMFoI are detailed in Appendix A, the Vicmap feature catalogue (the ‘Catalogue’), and imply a hierarchy structure in the product.

For a current version of the Vicmap Feature Catalogue (the ‘Catalogue’) [click here](http://services.land.vic.gov.au/reftab/). Search FEATURE\_CATALOGUE under **Reference Table Report** heading.

### Purpose

VMFoI was initially developed in response to a need identified by Emergency and Essential Services. The scope, specifications and requirements of the product were subsequently developed with government, government agencies, Emergency and Essential Services, academia and industry. All Vicmap products utilise feedback and requirements from a wide range of private and public users and stakeholders.

### Topic category

Structure;

Society; and

Utilities/communication.

# Data content and structure

### Data content

The feature-based datasets that comprise VMFoI are listed in Table 1 below:

|  |  |  |
| --- | --- | --- |
| ANZLIC ID | Dataset Name | Type |
| ANZVI0803003646\* | [VICMAP\_FEATURES\_OF\_INTEREST](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003646&extractionProviderId=1) | N/A |
| ANZVI0803003644 | [VMFEAT\_FOI\_INDEX\_CENTROID](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003644&extractionProviderId=1) | Point  (Core) |
| ANZVI0803003645 | [VMFEAT\_FOI\_INDEX\_EXTENT](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003645&extractionProviderId=1) | Polygon  (Core) |
| ANZVI0803003643 | [VMFEAT\_FOI\_LINE](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003643&extractionProviderId=1) | Line  (Core) |
| ANZVI0803003636 | [VMFEAT\_FOI\_POINT](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003636&extractionProviderId=1) | Point  (Core) |
| ANZVI0803003642 | [VMFEAT\_FOI\_POLYGON](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003642&extractionProviderId=1) | Polygon  (Core) |
| ANZVI0803003600 | [VMFEAT\_LOCALITY\_POINT](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003600&extractionProviderId=1) | Point  (Additional) |
| ANZVI0803003293 | [Hydrographic Labels - Vicmap Features of Interest (GEO\_AREA\_HYDRO\_LABEL)](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003293&extractionProviderId=1) | Polygon  (Additional) |
| ANZVI0803003562 | [Relief Labels - Vicmap Features of Interest (GEO\_AREA\_RELIEF\_LABEL)](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803003562&extractionProviderId=1) | Polygon  (Additional) |
| ANZVI0803002305 | [Register of Geographic Names - Vicmap Features of Interest (GNR)](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002305&extractionProviderId=1) | Point  (Additional) |
| ANZVI0803002538 | [Built Up area - Vicmap Features of Interest (PL\_PLACE\_AREA\_POLYGON)](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803002538&extractionProviderId=1) | Polygon  (Additional) |
| ANZVI0803004976 | [Building Point (VMFEAT\_BUILDING\_POINT)](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004976&extractionProviderId=1) | Point  (Additional) |
| ANZVI0803004980 | [Building Poly (VMFEAT\_BUILDING\_POLYGON](http://services.land.vic.gov.au/SpatialDatamart/dataSearchViewMetadata.html?anzlicId=ANZVI0803004980&extractionProviderId=1)) | Polygon  (Additional) |

Table 1: Metadata records for VMFoI.

*\*Parent metadata record for VMFoI. 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 B.*

For further information please refer to Appendix C and the metadata records for each dataset at [Spatial](http://services.land.vic.gov.au/SpatialDatamart/) Datamart.

### Data models

Refer to Appendix B for the data and object models.

Vicmap product data models are published on DELWP’s website <https://www2.delwp.vic.gov.au/maps/spatial-data/victorian-spatial-data>.

### Data dictionary

See Appendix B.

### Data structure

The Vicmap Features of Interest spatial data set consists of tables of points, lines and polygons. These tables have been consolidated to form two INDEX tables consisting of centroids and polygons. The data are topologically structured with other Vicmap products and seamless across Victoria.

* ***Point layers:*** Point entities represent relatively small area features that have been generalised or larger features where the spatial source held only a coordinate or an address and hence that entity point represents that feature.

Examples of small area point entities include wind turbines, snow poles and emergency markers.

Examples of larger area point entities include generalised law courts, police stations, lifesaving clubs and secondary schools.

* ***Linear layers:*** Line entities include power transmission lines, chairlifts and pipelines.
* ***Polygon layers:*** Polygon entities represent larger area features that have been captured in more detail. Examples include sports grounds, gardens, parks and shopping precincts.

VMFoI is able to hold linkages to other data as seen in Figure 1 and Appendix D:

* Vicmap Address (VMADD\_PFI);
* GNR (VICNAMES\_ID);
* The Custodian of each record (AUTH\_ORG\_CODE); and
* The Custodian’s identifier (AUTH\_ORG\_ID).

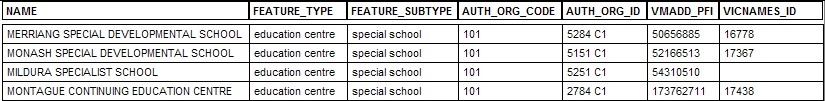


Figure 1: VMFoI linkages example.

VMFoI is populated with the same name at the same time as the [Geographic Names Register](http://maps.land.vic.gov.au/lassi/VicnamesUI.jsp) (GNR) in a parallel program to reconcile GNR names with Vicmap where that feature is mapped in VMFoI. The GNR is supplied as a separate database and can be accessed *via* the [Vicnames](http://maps.land.vic.gov.au/lassi/VicnamesUI.jsp) web service.

Features link to the Authoritative Organisation Code and Identifier (AUTH\_ORG\_CODE & AUTH\_ORG\_ID) that facilitates maintenance and allows users to obtain secondary data from the primary source.

VMFoI aims to develop a single seamless statewide database with, where relevant, intuitive parent/child relationships. Together with VMFoI linkages, this mitigates the need for additional lookup tables required to describe a feature and/or a basis for a user to add additional attributes.

*Rules and/or characteristics that apply to VMFoI are as follows*:

* FEATURE\_ID attribute is a unique VMFoI identifier allocated to each feature.
* Feature is represented only once within a table.
* A feature may be represented as more than one noncontiguous object (multipart feature). For example, a park (i.e. Studley Park, Kew) exists as a multipart polygon; the park is broken by road and waterways.

Classification of features:

* All features in the product are recorded as independent and unique features with a nominated feature and sub-feature type identified from the Catalogue.
* Each sub-feature type has been grouped within a feature type. These are all defined in the Catalogue and allow for easy classification and discovery.

Relationship of features:

* The relationship between features is separate to the feature and sub-feature type classification. The database indicates if a relationship exists and whether it has a parent and/or child relationship. Relationships between features are identified in one of two ways:

**Based on spatial context “within”**

* + A child feature within the parent feature.

Example: Multiple sporting grounds (child) contained within a single park (parent). Refer to Figure 2.

* + Only one PARENT\_ID and PARENT\_NAME can be associated with each feature, in other words.

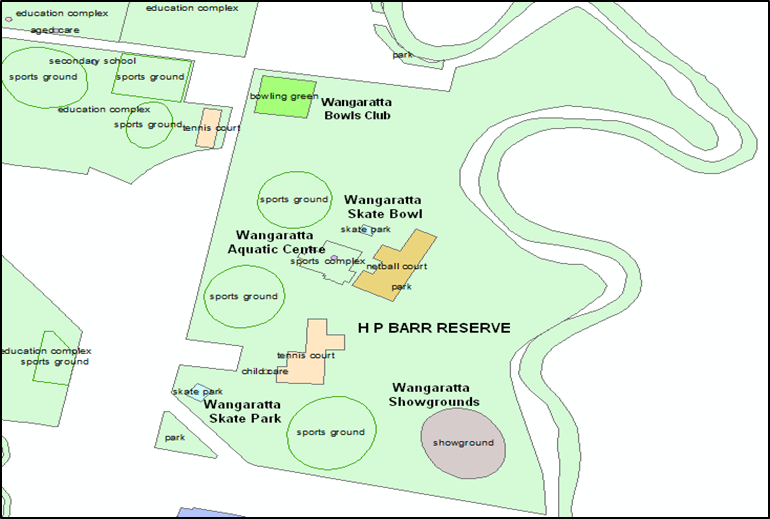
**Based on a defined relationship**

* + Features that have a common connection that can be defined by the Custodian.

Example: Educational campuses to a TAFE. Refer to Figure 3.

* A feature may exist with no relationship, therefore a feature or sub-feature may not have a parent feature. This occurs when a feature like the Little River Fire Station does not occur “within” another feature, nor has a defined relationship with another feature: it is stand-alone.
* Rules for types of relationships are detailed in reference files.
* A parent feature must have one or more child relationships, which can occur between data structure types: points, lines and polygons.
* A child can be a parent to another feature.
* Any feature in the Catalogue has a relationship with any other sub-feature.

Examples are provided below:



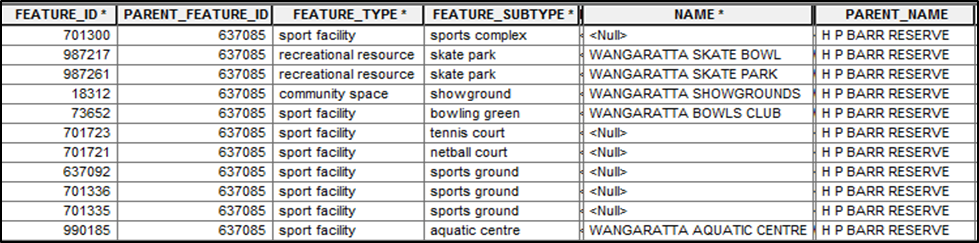
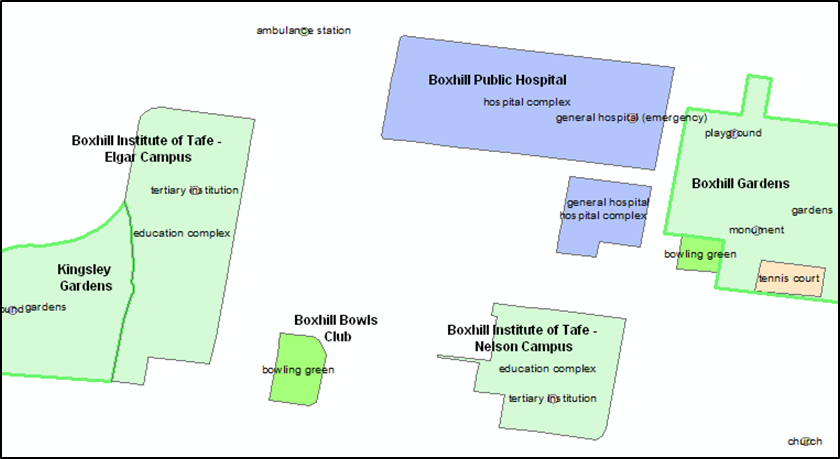


Figure 2: Parent/child relationship between the park and the features/infrastructure within.



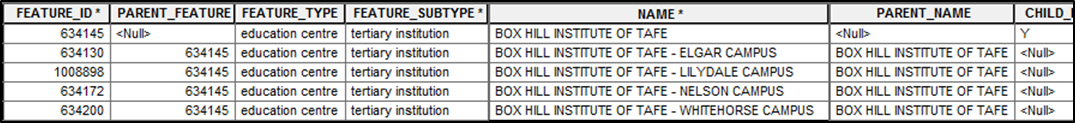


Figure 3: Parent/child relationship between the TAFE and the campuses.

Cross-border data are not subject to the same data structures as the content within Victoria. This is due to the differences in the data models between the States.

# Reference systems

Vicmap Address is mapped to the Geocentric Datum of Australia (GDA) and the Australian Height Datum (AHD). Data are held 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 capture

Vicmap relies heavily on the agreements and MoU’s signed with authoritative Custodians, through the *DELWP Custodianship Program*, for data.

Vicmap Features of Interest is intended to describe and record the location of features of interest as supplied by an authoritative Custodian/s. Where an authoritative Custodian has not been identified, alternative sources may be used, including agencies who collate common data for their own purposes, such as licensing or registration services. DELWP may also use imagery to improve the completeness of a dataset in the absence of an authoritative Custodian.

Examples of Custodians and/or those that may supplement or verify data are listed below:

* Federal, State and Local Government;
* Government agencies and authorities (e.g. Parks Victoria, Melbourne Water, VicRoads);
* Registrar of Geographic Names – Department of Environment, Land, Water, and Planning;
* Crown Land Management – Department of Environment, Land, Water, and Planning;
* Fire Management – Department of Environment, Land, Water, and Planning;
* Emergency and Essential Services; and
* Utility companies.

Cross-border data are maintained to a limited extent into New South Wales and South Australia to assist primarily emergency and essential service activities. A cross-border agreement between the State Government departments manages the relationship and distribution of these data. Data are updated annually subject to the availability of funding. Data made available to DELWP are subject to the maintenance regime of the relevant jurisdiction with respective quality, accuracy and completeness specifications.

### Data Lineage

Each feature / sub-feature type will have a unique lineage and history, and will vary by source. Information for each feature / sub-feature will be contained in the relevant metadata documents.

# Data quality

## Accuracy

The horizontal spatial accuracy of data within VMFoI is, where possible, better than 1:25,000 (equivalent to ± 25 meters) and retains vertical alignment with other Vicmap datasets.

Most Custodial data have been captured as a point. These data are frequently positioned based on Vicmap Address or aerial photography of varying resolutions. For the most part this is physical infrastructure data and the intention is that custodians will, through continual maintenance, improve the accuracy and definition of the data to reflect the true location of each feature and sub-feature.

## Completeness

Where authoritative Custodians have been identified VMFoI has a high level of completeness in terms of coverage and attribution. Spatial representation with real-world instances will vary amongst data supplied by Custodians.

Features where authoritative Custodians are yet to be identified will have varied levels of completeness in terms of coverage, attribution and spatial representation with their real-world instances. This could range from extremely low to high dependent on the maintenance that may/may not have been applied since the creation of VMFoI.

For the latest status list of coverage for sub-features included in Vicmap Features of Interest please see the *Vicmap Features of Interest – Subfeature Completeness Report* now contained and updated annually in this report Appendix E.

## Logical consistency

Logical consistency is a measure of the degree to which data complies with the technical specification. The allowable error in logical consistency ranges between 1% (new digital data additions) to 5% (data converted from topo maps). The test procedures are a mixture of software scripts and onscreen, visual checks to ensure compliance.

# 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, M2 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.

DELWP obtains updates to data from authoritative Custodians at various intervals based on the agreed Custodianship arrangements (i.e. quarterly, yearly and ad hoc). Updates are incorporated into Vicmap daily and made available weekly: noting that Vicmap data is never deleted, only retired and archived for legal purposes. Data is date stamped to reflect the last time the record was verified.

Reported errors or omissions are verified with the authoritative source before a change is made. Most notifications regarding anomalies are received via the Notification for Editing Service (NES) and once verified will be incorporated into Vicmap. Feedback from users and stakeholders, including emergency services dispatch providers, ensures that the highest standards are maintained.

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

Vicmap data undergoes the following standard procedures to ensure conformity of the products specification:

* Customised menus for data editing which provide on the fly logical consistency attribute checking as data is edited
* Automated data quality assurance 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 (Appendix D), and
* Validation of entity PFI/UFI tags for uniqueness.

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

# Data product delivery

## Access & licensing

VMFoI 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.

Cross border data is restricted to internal and emergency services use and therefore not available through the VGDD.

Vicmap is also available through a network of [Data Service Providers](https://www2.delwp.vic.gov.au/maps/spatial-data/victorian-spatial-data/licensing#DSP).

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 [Spatial Datamart](http://services.land.vic.gov.au/SpatialDatamart/search.html) by searching for the ANZLIC ID.

# Appendix A: Vicmap features catalogue

The Vicmap features catalogue (the ‘Catalogue’) is a proposed standard for feature terminology within industry and an important partner in the Vicmap databases. It lists the features and sub-features that can be utilised as feature types and subfeature types in this database. Definitions have been applied where clarifications assist the allocation. This feature catalogue expands heavily on the current intergovernmental Committee on Survey and Mapping (ICSM) and Public Sector Mapping Authority (PSMA) feature code lists. Where possible ICSM’s standardised national feature codes have been adopted.

The catalogue has been primarily developed to complement the Vicmap Features of Interest product. At the time of the development of this product much research was done to find a ready-made list that was more expansive than the ICSM and PSMA lists but no one list could be identified. Using local and international lists the Catalogue aims to fill that void.

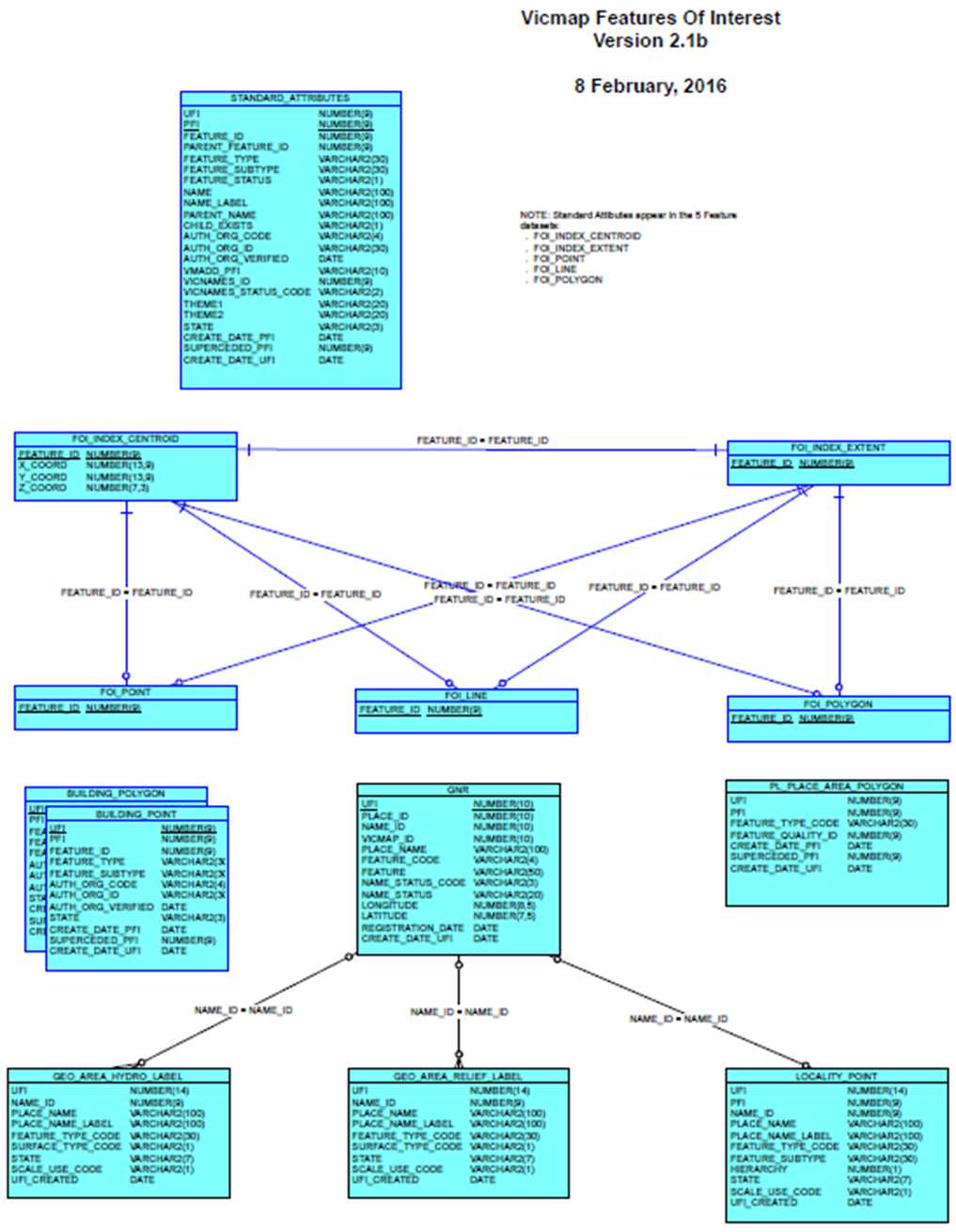
Example of features and sub-features:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **feature** | **Sub-feature** |  | **feature** | **Sub-feature** |
| emergency facility | ambulance station |  | dumping ground | landfill |
| emergency facility | fire station |  | dumping ground | liquid waste disposal site |
| emergency facility | lifesaving club |  | dumping ground | scrap yard |
| emergency facility | police station |  | dumping ground | spoil banks |
| emergency facility | SES unit |  | dumping ground | tailings |
| emergency facility | refuge |  | dumping ground | transfer station |
|  |  |  |  |  |
| **feature** | **Sub-feature** |  | **feature** | **Sub-feature** |
| sport facility | bowling green |  | power facility | gas power station |
| sport facility | equestrian facility |  | power facility | hydro power station |
| sport facility | golf course |  | power facility | coal power station |
| sport facility | golf driving range |  | power facility | power terminal station |
| sport facility | greyhound racetrack |  | power facility | wind farm |
| sport facility | harness racetrack |  | power facility | wind turbine |

For a current version of the Vicmap Feature Catalogue (the ‘Catalogue’) [click here](http://services.land.vic.gov.au/reftab/). Search FEATURE\_CATALOGUE under **Reference Table Report** heading.

# Appendix B: VMFoI data & object model

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



# Appendix C: Database tables

As new tables are progressively included within the VMFoI database, the older format tables will be retired through natural attrition.

This document sets out the tables, attributes, and fields within the tables that comprise the Vicmap Features of Interest product.

**OVERVIEW OF TABLES AND THEIR INCLUDED FIELDS**

Below sets out the tables, attributes, and fields within the tables that comprise the Vicmap Features of Interest database of the Vicmap Features of Interest theme. Those tables containing information are indicated below. It should be recognised however, that not all fields are populated at this time. Similarly, not all ‘features’ listed in the tables may necessarily be found in the data. The completion of any specific field varies depending on information availability and capture program.

This table details the feature types, geometry types and attributes applicable to each of the **Core tables** in the Feature of Interest database of the Vicmap Features of Interest theme.

|  |  |  |
| --- | --- | --- |
| Table | Geometric Type | Description |
| Feature of Interest Index Centroid | Centroid | A state-wide centroid dataset holding one centroid record for each feature (unique feature id) held within the Feature of Interest Index Extent table. |
| Feature of Interest Index Extent | Polygon, multi part polygon | A state-wide polygon dataset holding one polygon/multi part polygon record for each feature (unique feature id) held within the Feature of Interest Point, Line and Polygon tables.  Note: point and line features represented as polygons |
| Feature of Interest Point | Point, multi part point | A state-wide point dataset holding various Feature of Interest points |
| Feature of Interest Line | Line, Multi part line | A state-wide line dataset holding various Feature of Interest lines |
| Feature of Interest Polygon | Polygon, multi part polygon | A state-wide polygon dataset holding various Feature of Interest polygons |

TABLE: - VICMAP FEATURES OF INTEREST - FIELDS AND DESCRIPTIONS

|  |  |  |
| --- | --- | --- |
| The 5 Features of the **Core** Interest tables listed below have the same attributes   * Features of Interest Index Centroid * Features of Interest Index Extent * Features of Interest Point * Features of Interest Line * Features of Interest Polygon | | |
| Column Name | Name expanded | Description |
| UFI | Unique Feature Identifier |  |
| PFI | Persistent Feature Identifier |  |
| FEATURE\_ID | Unique Vicmap Feature Identifier | Unique Vicmap feature identifier - intention that it be across the Vicmap themes |
| PARENT\_FEATURE\_ID | Feature\_ID that represents the Parent Feature ID | PFI of the feature that represents the Parent feature |
| FEATURE\_TYPE | Feature\_Type\_Code | Feature\_Type populated as specified in the developing Vicmap features Catalogue |
| FEATURE\_SUBTYPE | Subtype of the Feature\_type | Subtype of the Feature\_type. Feature\_subtype populated as specified in the developing Vicmap features Catalogue to assist with clarification of feature. |
| FEATURE\_STATUS | Built/Proposed/NULL | Feature could stay proposed for 2 years similar to the Planning Permit theory utilised in Vicmap Property and Vicmap Address where after 5 years at proposed status it is removed from data after confirmation by source |
| NAME | Official name | Official name as designated by Authoritative Organisation. Where the Vicnames\_ID is populated the name has been registered by Geonames |
| NAME\_LABEL | Name for labelling purposes | May just be upper and lower case |
| PARENT\_NAME | Name from the Parent feature - where a parent feature exists and has a name |  |
| CHILD\_EXISTS | Logical field Y/N | Logical field Y/N indicates the existence of child features |
| AUTH\_ORG\_CODE | The code of the Authoritative Organisation where record sourced | The Authoritative Organisation Code field facilitates maintenance and allows users to obtain secondary data from the primary source |
| AUTH\_ORG\_ID | The identifier of the Authoritative Organisation's record | The Authoritative Organisation Code field with the Authoritative Organisation\_ID facilitates direct maintenance and allows users and custodians to link secondary data from the primary source |
| AUTH\_ORG\_VERIFIED | Date field pertaining to the last verification by the Authoritative Organisation | Date stamps the last time the record was verified. |
| VMADD\_PFI | Persistent Feature Identifier of an associated Vicmap Address record | Vicmap Address PFI’s facilitate the linking of Vicmap & other Products to related objects  See below for further information |
| VICNAMES\_ID | Geonames identifier - Geographic Names Register has a corresponding record | The Vicmap ID’s facilitate the linking of features that hold a registered GNR name - - # represents the Name\_ID in GNR |
| THEME1 | Name of nominated Theme, Group and/or subGroup | Theme, Group and/or subGroup to facilitate searches |
| THEME2 | Name of nominated Theme, Group and/or subGroup | Theme, Group and/or sub Group to facilitate searches. Populated where feature might be held within 2 obvious themes : group combo's |
| STATE | Acronym of State where feature located | Acronym of State where feature located |
| CREATE\_DATE\_PFI | Creation date of Persistent Feature Identifier | (format dd-mmm-yyyy hh:mm:ss) is the date/time stamped against each feature when it is originally created and remains with the feature through all editing actions to attributes or modification of feature spatial representation. |
| SUPERCEDED\_PFI | Superceded Persistent Feature Identifier | (format dd-mmm-yyyy hh:mm:ss) is the date/time stamped against each feature when it is retired as a result of merge, split or deletion actions. |
| CREATE\_DATE\_UFI | Creation date of Unique Feature Identifier | (format dd-mmm-yyyy hh:mm:ss) is the date/time stamped against each feature when it is created. |

VMADD\_PFI field expanded

**Vicmap Address database link to VMFoI records**

This is a database **link** to Vicmap Address.

The address is sourced from Vicmap Address.

Vicmap Address records exist only in Victoria hence only Victorian features may be populated.

The VMFoI.INDEX\_CENTROID table is utilised for population.

The VMFoI.POINT, VMFoI.POLYGON and VMFoI.INDEX\_EXTENT tables are populated.

The VMFoI feature will adopt the primary address of the property the feature falls within (VMADD.IS\_PRIMARY = Y)

* The population process will utilise all APPROVED properties. (VMPROP:PROP\_STATUS= A) (includes base properties)
* The population process will utilise a base property where there are multiple APPROVED properties (if the base property exists).
* There will be NO Automatic population where multiple APPROVED properties exist and NO base property exists.

The VMADD\_PFI field will ONLY be populated with the address pfi of a Vicmap Address record.

* The population process will utilise ALL primary address pfi’s regardless of whether the house # is populated or not ( both Standard and Misc. classes) (VMADD.ADDRESS\_CLASS field)
* The VMFoI feature will adopt approved addresses only (VMADD.PROPERTY\_STATUS = A)

Exceptions being:

* Linear data. The VMADD\_PFI field for these sub-features should remain NULL.
* Address PFI’s already populated by a manual process.
* Sub features that do NOT hold a “Y” in the VMADD\_PFI\_LINK field of the REFTAB.FEATURE\_CATALOGUE. The VMADD\_PFI field for these sub-features should remain NULL.

TABLE: VICMAP FEATURES OF INTEREST - FIELDS AND DATATYPES

|  |  |  |
| --- | --- | --- |
| The 5 **Core** Features of Interest tables listed below have the same data structure   * Features of Interest Index Centroid * Features of Interest Index Extent * Features of Interest Point * Features of Interest Line * Features of Interest Polygon | | |
| Column Name | Data type | Mandatory |
| UFI | NUMBER (9) | Y |
| PFI | NUMBER (9) | Y |
| FEATURE\_ID | NUMBER (9) | Y |
| PARENT\_FEATURE\_ID | NUMBER (9) | N |
| FEATURE\_TYPE | VARCHAR2 (30) | Y |
| FEATURE\_SUBTYPE | VARCHAR2 (30) | Y |
| FEATURE\_STATUS | VARCHAR2 (1) | N |
| NAME | VARCHAR2 (100) | N |
| NAME\_LABEL | VARCHAR2 (100) | N |
| PARENT\_NAME | VARCHAR2 (100) | N |
| CHILD\_EXISTS | VARCHAR2 (1) | Y |
| AUTH\_ORG\_CODE | VARCHAR2 (4) | N |
| AUTH\_ORG\_ID | VARCHAR2 (30) | N |
| AUTH\_ORG\_VERIFIED | DATE | N |
| VMADD\_PFI | VARCHAR2 (10) | N |
| VICNAMES\_ID | NUMBER (9) | N |
| VICNAMES\_STATUS\_CODE | NUMBER (2) | N |
| THEME1 | VARCHAR2 (20) | Y |
| THEME2 | VARCHAR2 (20) | Y |
| STATE | VARCHAR2 (3) | Y |
| CREATE\_DATE\_PFI | DATE | Y |
| SUPERCEDED\_PFI | NUMBER (9) | Y |
| CREATE\_DATE\_UFI | DATE | Y |

**Additional tables** include:

* + Locality\_Point
  + Geo\_Area\_Relief\_Label
  + Geo\_Area\_Hydro\_Label
  + Pl\_Place\_Area\_Polygon
  + GNR
  + Building\_Point
  + Building\_Polygon

This table details the feature types, geometry types and attributes applicable to each of the tables in the **Additional tables** of the Vicmap Features of Interest theme

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Geometric Type | **Included Entities** | Class Specific Attributes |
| Locality Point | Point | **Locality Point** | name\_id  place\_name  place\_name\_label  feature\_type\_code  feature subtype  hiearchy  state  scale\_use\_code |
| Geo Area Hydro | Polygon | **Bay**  **Beach**  **Bend**  **Island marine**  **Island terrestrial**  **Marine place**  **Sea**  **Shoreline**  **Waterbody**  **Watercourse** | name\_id  place\_name  place\_name\_label  feature\_type\_code  surface\_type\_code  state  scale\_use\_code |
| Geo Area Relief | Polygon | **Cliff**  **Named natural region**  **Pass**  **Peninsula**  **Place**  **Plateau**  **Ridge**  **Rock terrestrial**  **Valley** | name\_id  place\_name  place\_name\_label  feature\_type\_code  surface\_type\_code  state  scale\_use\_code |
| Place Area (formed) | Polygon | **BUA** |  |
| GNR | Point | **Geo Point** | place\_name |
| Building Point | Point | **undefined\_building**  **hay shed**  **shed**  **woolshed**  **house** | feature\_type  feature\_subtype  auth\_org\_code  auth\_org\_id  auth\_org\_verified  state |
| Building Polygon | Polygon | **undefined\_building**  **hay shed**  **shed**  **woolshed** | feature\_type  feature\_subtype  auth\_org\_code  auth\_org\_id  auth\_org\_verified  state |

**ADDITIONAL TABLES**

**Layer Table Structure**

**LOCALITY\_POINT**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Point depicting indicative position where labelling of a locality feature can be displayed to best cartographic effect. |
| **Entity** | locality bounded, locality\_unbounded, locality |
| **Included terms** |  |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: LOCALITY\_POINT**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 14 | Unique Feature Identifier |
| PFI | NUMBER | 9 | Persistent Feature Identifier |
| NAME\_ID | NUMBER | 9 | Database link to GNR (GNR:Name\_id) |
| PLACE\_NAME | VARCHAR2 | 100 | Feature name |
| PLACE\_NAME\_LABEL | VARCHAR2 | 100 | Free format upper and lower case Feature Description for labelling purposes |
| FEATURE\_TYPE\_CODE | VARCHAR2 | 30 | Feature Type Code Name |
| FEATURE\_SUBTYPE | VARCHAR2 | 30 | Feature subtype |
| HIERARCY | NUMBER | 1 | Code to indicate the hierarchy |
| STATE | VARCHAR2 | 7 | State Abbreviation |
| SCALE\_USE\_CODE | VARCHAR2 | 1 | Code to indicate the type of Scale use |
| PFI\_CREATED | DATE |  |  |
| UFI\_CREATED | DATE |  |  |
|  |  |  |  |

**GEO\_AREA\_HYDRO\_LABEL (polygon)**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Polygon depicting indicative extent of area where labelling of a hydro feature can be displayed to best cartographic effect. |
| **Entity** | Hydro feature indicative extent |
| **Included terms** | bay, harbour, cove, bight, corner, beach, island, islets, marine, ocean, bend, inlet, reach, arm, water body, pool, lake, island, islets, water course, strait, channel, narrows, passage, entrance, rip, sea, ocean, shoreline, sandbank, |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: GEO\_AREA\_HYDRO\_LABEL**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 14 | Unique Identifier for Place |
| NAME\_ID | NUMBER | 9 |  |
| PLACE\_NAME | VARCHAR2 | 100 | Feature Description link to GNR:PLACE\_NAME |
| PLACE\_NAME\_LABEL | VARCHAR2 | 100 | Free format upper and lower case Feature Description for labelling purposes |
| FEATURE\_TYPE\_CODE | VARCHAR2 | 30 | Feature Code Abbreviation |
| SURFACE\_TYPE\_CODE | VARCHAR2 | 1 | Code to indicate the type of Surface |
| STATE | VARCHAR2 | 7 |  |
| SCALE\_USE\_CODE | VARCHAR2 | 1 | Code to indicate the type of Scale use |
| UFI\_CREATED | DATE |  |  |
|  |  |  |  |

**FEATURE CODES RANGES:**

| ***Feature\_Type\_Code*** | ***Description*** |
| --- | --- |
| bay | bay, harbour, cove, bight, corner |
| beach | Beach |
| island |  |
| island\_marine | island, islets |
| island\_terrestrial | island, islets |
| marine\_place | strait, channel, narrows, passage, entrance, rip |
| sea | sea, ocean |
| shoreline | sandbank |
| waterbody /water body | pool, lake |
| watercourse | bend, inlet, reach, arm |

**LOOK UP TABLE CODELISTS APPLICABLE:**

**SURFACE \_TYPE\_CODE:**

Status type used for name.

| **Code** | ***Description*** |
| --- | --- |
| L | Land |
| W | Water |

**SCALE \_USE\_CODE:**

Status type used for name.

| **Code** | ***Description*** |
| --- | --- |
| 1 | Suitable for small scale mapping |
| 2 | Suitable for medium scale mapping  (in combination with 1) |
| 3 | Suitable for large scale mapping  (in combination with 1 & 2) |
|  |  |

**GEO\_AREA\_RELIEF\_LABEL (polygon)**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Polygon depicting indicative extent of area where labelling of a relief feature can be displayed to best cartographic effect. |
| **Entity** | Relief feature indicative extent |
| **Included terms** | Cliff, pass, peninsula, place, plateau, ridge, rock terrestrial, valley |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: GEO\_RELIEF\_HYDRO\_LABEL**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 14 | Unique Identifier for Place |
| NAME\_ID | NUMBER | 9 |  |
| PLACE\_NAME | VARCHAR2 | 100 | Feature Description link to GNR:PLACE\_NAME |
| PLACE\_NAME\_LABEL | VARCHAR2 | 100 | Free format upper and lower case Feature Description for labelling purposes |
| FEATURE\_TYPE\_CODE | VARCHAR2 | 30 | Feature Code Abbreviation |
| SURFACE\_TYPE\_CODE | VARCHAR2 | 1 | Code to indicate the type of Surface |
| STATE | VARCHAR2 | 7 |  |
| SCALE\_USE\_CODE | VARCHAR2 | 1 | Code to indicate the type of Scale use |
| UFI\_CREATED | DATE |  |  |
|  |  |  |  |

**FEATURE CODES RANGES:**

| ***Feature\_Type\_Code*** | ***Description*** |
| --- | --- |
| cliff | bluff, pinnacle |
| named\_natural\_region | flat, plain, paddock, plains, dune, bowl, clearing |
| pass | gap, saddle, cutting |
| peninsula | promontory, isthmus |
| place | corner, junction, bend |
| plateau | tableland |
| ridge | spur, range, wall |
| rock\_terrestrial |  |
| valley | gorge, canyon, dell, glen, bowl, cutting |

**LOOK UP TABLE CODELISTS APPLICABLE:**

**SURFACE \_TYPE\_CODE:**

Status type used for name.

| **Code** | ***Description*** |
| --- | --- |
| L | Land |
| W | Water |

**SCALE \_USE\_CODE:**

Status type used for name.

| **Code** | ***Description*** |
| --- | --- |
| 1 | Suitable for small scale mapping |
| 2 | Suitable for medium scale mapping  (in combination with 1) |
| 3 | Suitable for large scale mapping  (in combination with 1 & 2) |
|  |  |

**PLACE AREA (POLYGON)**

**Summary information**

|  |  |
| --- | --- |
| **Description** | An area of dense/moderately dense housing and buildings with definite boundaries. |
| **Entity** | BUA |
| **Included terms** | Built up area, Urban area |
| **Entity Type** | Aspatial |
| **ICSM Conformance** | New entity |

**TABLE: PL\_PLACE\_AREA\_POLYGON**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| PFI | NUMBER | (20,0 ) | Persistent Feature Identifier |
| UFI | NUMBER | (20,0 ) | Unique Feature Identifier |
| FEATURE\_TYPE\_CODE | VARCHAR2 | 30 | Feature Code |
| FEATURE\_QUALITY\_ID | NUMBER | (9,0 ) | Identifier for the feature quality record |
| CREATE\_DATE\_PFI | DATE | 7 | Date of original Creation of Feature |
| SUPERCEDED\_PFI | NUMBER | (20,0 ) | PFI of feature prior to merge or split operation |
| CREATE\_DATE\_UFI | DATE | 7 | Date of Creation of Feature |

**GNR (point)**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Location of a feature from the Geographic Names Register |
| **Entity** | 40 plus feature codes describing such features as bay, beach, building, bore, bridge, cave, cliff, county, cutting, dam…… |
| **Included terms** |  |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: GNR**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 10 |  |
| PLACE\_ID | NUMBER | 10 | Feature Description link to GNR:PLACE\_NAME |
| NAME\_ID | NUMBER | 10 |  |
| VICMAP\_ID | NUMBER | 10 | Database link to a Vicmap record |
| PLACE\_NAME | VARCHAR2 | 100 | Feature Description |
| FEATURE\_CODE | VARCHAR2 | 4 | Feature Code Abbreviation |
| FEATURE | VARCHAR2 | 50 | Feature term |
| NAME\_STATUS\_CODE | VARCHAR2 | 3 | Code to indicate the type of Status |
| NAME\_STATUS | VARCHAR2 | 20 | Indicates the type of Status |
| LONGITUDE | NUMBER (8,5) |  | Decimal Longitude |
| LATITUDE | NUMBER (7,5) |  | Decimal Latitude |
| REGISTRATION\_DATE | DATE |  | Registration date of feature |
| CREATE\_DATE\_UFI | DATE |  | Date of UFI creation |

**LOOK UP TABLE CODELISTS APPLICABLE:**

**NAME \_STATUS:**

Status type used for name.

|  | **Name\_status** | **Description** |
| --- | --- | --- |
| B | base | This is lifetime name for a feature, if the recorded name is subject to limited-term private contracts. |
| D | Dual | This type consists of one name comprised of one Indigenous and one non-Indigenous name, which must be used together as the registered legally recognised name for the feature. |
| H | historical | This is a name that is no longer in official use but is recorded for information purposes. |
| ARV | archived |  |
| REC | RECORDED | This is the name of a feature if a private entity has naming rights. |
| REG | REGISTERED | This type is legally recognised for the proposes of the Act as an official name for a feature, locality or road administered or coordinated by a govern |
| TRD | TRADITIONAL | This is a traditional Indigenous Australian name, which is not in official use for a feature. |

**Layer Table Structure**

**BUILDING\_POINT**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Point/centroid location of undefined buildings across Victoria that are NOT contained within the following polygon datasets VMFEAT\_BUILDING\_POLYGON, VMFEAT\_BUILTUP\_AREA  and where they are not represented as a feature within the VMFEAT\_FOI datasets |
| **Entity** | Building\_point |
| **Included terms** |  |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: BUILDING\_POINT**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 9 | Unique Feature Identifier |
| PFI | NUMBER | 9 | Persistent Feature Identifier |
| FEATURE\_ID | NUMBER | 9 | Feature ID |
| FEATURE\_TYPE | VARCHAR2 | 30 | Feature type |
| FEATURE\_SUBTYPE | VARCHAR2 | 30 | Feature subtype |
| AUTH\_ORG\_CODE | VARCHAR2 | 4 | The Authoritative Organisation Code field facilitates maintenance and allows users to obtain secondary data from the primary source |
| AUTH\_ORG\_ID | VARCHAR2 | 30 | The Authoritative Organisation Code field with the Authoritative Organisation\_ID facilitates direct maintenance and allows users and custodians to link secondary data from the primary source |
| AUTH\_ORG\_VERIFIED | VARCHAR2 | 30 | Date stamps the last time the record was verified. |
| STATE | VARCHAR2 | 3 | State Abbreviation |
| CREATE\_DATE\_PFI | DATE |  | Date of original Creation of Feature |
| SUPERCEDED\_PFI | NUMBER | 9 | PFI of feature prior to merge or split operation |
| CREATE\_DATE\_UFI | DATE |  | Date of UFI creation |

**Layer Table Structure**

**BUILDING\_POLYGON**

**Summary information**

|  |  |
| --- | --- |
| **Description** | Polygon extent of larger buildings across Victoria that are NOT contained within the following datasets VMFEAT\_BUILDING\_POIN, VMFEAT\_BUILTUP\_AREA  and where they are not represented as a feature within the VMFEAT\_FOI datasets |
| **Entity** | Building\_polygon |
| **Included terms** |  |
| **Entity Type** | Spatial |
| **ICSM Conformance** | Conforms |

**TABLE: BUILDING\_POLYGON**

**TABLE DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN NAME** | **DATA TYPE** | **FIELD SIZE** | **COLUMN DESCRIPTION** |
| UFI | NUMBER | 9 | Unique Feature Identifier |
| PFI | NUMBER | 9 | Persistent Feature Identifier |
| FEATURE\_ID | NUMBER | 9 | Feature ID |
| FEATURE\_TYPE | VARCHAR2 | 30 | Feature type |
| FEATURE\_SUBTYPE | VARCHAR2 | 30 | Feature subtype |
| AUTH\_ORG\_CODE | VARCHAR2 | 4 | The Authoritative Organisation Code field facilitates maintenance and allows users to obtain secondary data from the primary source |
| AUTH\_ORG\_ID | VARCHAR2 | 30 | The Authoritative Organisation Code field with the Authoritative Organisation\_ID facilitates direct maintenance and allows users and custodians to link secondary data from the primary source |
| AUTH\_ORG\_VERIFIED | VARCHAR2 | 30 | Date stamps the last time the record was verified. |
| STATE | VARCHAR2 | 3 | Date stamps the last time the record was verified. |
| CREATE\_DATE\_PFI | DATE |  | Date of original Creation of Feature |
| SUPERCEDED\_PFI | NUMBER | 9 | PFI of feature prior to merge or split operation |
| CREATE\_DATE\_UFI | DATE |  | Date of UFI creation |

# Appendix D: Reference tables

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

|  |  |
| --- | --- |
| FEATURE\_CATALOGUE | This table is a terminology list describing feature and sub features |
| FEATURE\_STATUS | This table describes the status of sub-feature types in the Vicmap Features of Interest tables. |
| FT\_FEATURE\_TYPE | This table is a terminology list describing feature |
| FEATURE\_SUBTYPE\_TABLE | This table lists the feature\_subtypes that are allowed in each table |
| FT\_AUTHORITATIVE\_ORGANISATION | This code table is an index to the Authoritative Organisations referred to in the Vicmap Features of Interest tables. |
| FT\_VICNAMES\_STATUS | This table describes the Vicnames Status Code referred to in the Vicmap Features of Interest tables. |
| FT\_FEATURE\_PARENT | This table describes the parent / child relationship between features or sub-features in the Vicmap Features of Interest tables. |

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.

**TABLE: FEATURE\_CATALOGUE**

|  |  |  |  |
| --- | --- | --- | --- |
| This table lists the allowed feature \_subtypes. See Appendix C for further Information | | | |
| Column | Description | Type | Length |
| UFI | Unique Feature Identifier | NUMBER | 14 |
| PFI | Persistent Feature Identifier | NUMBER | 14 |
| FEATURE\_TYPE | Feature\_Type Code | VARCHAR2 | 30 |
| FEATURE\_SUBTYPE | Subtype of the Feature\_Type | VARCHAR2 | 30 |
| FEATURE\_STATUS | Status of the Feature\_Subtype | VARCHAR2 | 9 |
| VMADD\_PFI\_LINK | Logical field Y/N indicates whether the Feature\_Subtype may hold a link to a Vicmap Address PFI.  The centroid of the specified subtype must fall within a VMPROP property polygon for the link to exist. | VARCHAR2 | 1 |
| DESCRIPTION | Description of the Feature\_Type | VARCHAR2 | 250 |
| PFI\_CREATED | Creation date of the Persistent Feature Identifier | DATE |  |
| UFI\_CREATED | Creation date of the Unique Feature Identifier | DATE |  |

**FEATURE\_STATUS**

| Valid terms | Description |
| --- | --- |
| ACTIVE | Feature\_subtype term being utilised in the VMFOI Product |
| INACTIVE | Feature\_subtype term endorsed but not implemented in the VMFOI Product |
| WITHDRAWN | Feature\_subtype term previously utilised but now no longer valid |

**TABLE: FT\_FEATURE\_TYPE**

|  |  |  |  |
| --- | --- | --- | --- |
| This table lists the allowed feature \_types. | | | |
| Column | Description | Type | Length |
| UFI | Unique Feature Identifier | NUMBER | 14 |
| FEATURE\_TYPE | Feature\_Type Code | VARCHAR2 | 30 |
| DESCRIPTION | Description of the Feature\_Type | VARCHAR2 | 250 |
| UFI\_CREATED | Creation date of the Unique Feature Identifier | DATE | 7 |

**TABLE: - FEATURE\_SUBTYPE\_TABLE - FIELDS AND DESCRIPTIONS**

|  |  |  |
| --- | --- | --- |
| This table lists the feature\_subtypes that are allowed in each table | | |
| Column Name | Name expanded | Description |
| UFI | Unique Feature Identifier |  |
| FEATURE\_TYPE | Feature\_Type\_Code | Feature\_Type populated as specified in the developing Vicmap features Catalogue |
| FEATURE\_SUBTYPE | Subtype of the Feature\_type | Subtype of the Feature\_type. Feature\_subtype populated as specified in the developing Vicmap features Catalogue to assist with clarification of feature. |
| TABLE\_OWNER | Schema / Product Name | Schema / Product Name of the table |
| TABLE\_NAME | Table name | Table name |
| UFI\_CREATED | Creation date of Unique Feature Identifier | (format dd-mmm-yyyy hh:mm:ss) is the date/time stamped against each feature when it is created. |

**TABLE: - FT\_AUTHORITATIVE\_ORGANISATION**

|  |  |  |  |
| --- | --- | --- | --- |
| This table describes the Authoritative Organisation Code referred to in the Vicmap Features of Interest tables.  The Authoritative Organisation refers to the Custodian of a particular feature/sub feature. | | | |
| Column | Description | Type | Length |
| AUTH\_ORG\_CODE | Code of the Authoritative Organisation | VARCHAR2 | 4 |
| AUTH\_ORG | Short name of the Authoritative Organisation | VARCHAR2 | 30 |
| AUTH\_ORG\_LONGNAME | Long name of the Authoritative Organisation | VARCHAR2 | 200 |
| UFI | Unique Feature Identifier | NUMBER | 22 |
| UFI\_CREATED | Creation date of the Unique Feature Identifier | DATE | 7 |

**TABLE: - FT\_VICNAMES\_STATUS**

|  |  |  |  |
| --- | --- | --- | --- |
| This table describes the Vicnames Status Code referred to in the Vicmap Features of Interest tables.  The Status Code refers to the status of the linkage utilised to reference the GNR of a particular feature. | | | |
| Column | Description | Type | Length |
| VICNAMES\_STATUS\_CODE | Code of the Vicnames Status | VARCHAR2 | 2 |
| VICNAMES\_STATUS | Short name of the Vicnames Status | VARCHAR2 | 26 |
| DESCRIPTION | Description | VARCHAR2 | 200 |
| UFI | Unique Feature Identifier | NUMBER | 22 |
| UFI\_CREATED | Creation date of the Unique Feature Identifier | DATE | 7 |

**TABLE: - FT\_FEATURE\_PARENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| This table describes the parent / child relationship between features or sub-features in the Vicmap Features of Interest tables. | | | | |
| Column | Description | Mandatory | Type | Length |
| UFI | Unique Feature Identifier | Y | NUMBER | 22 |
| FEATURE\_TYPE | Feature\_Type Code | N | VARCHAR2 | 30 |
| FEATURE\_SUBTYPE | Subtype of the Feature\_Type | N | VARCHAR2 | 30 |
| METHOD | Default polygon/Default point/Defined | Y | VARCHAR2 | 30 |
| DESCRIPTION | Description of ‘Defined’ Method where ‘Defined’ method is identified | N | VARCHAR2 | 250 |
| UFI\_CREATED | Creation date of the Unique Feature Identifier | Y | DATE | 7 |

# Appendix E: List of features and sub-features in Vicmap Features of Interest

As at December 2018

**Definition of fields**

Coverage refers to the estimated percentage of that sub-feature's mapped instances within Victoria.

* Sub-feature coverage is ONLY reported where there is a known # of features in Victoria
* Or when a substantial number of instances are held without knowledge of the total # in Victoria. These are reported with a default 50%.

Attribution refers to the confidence level of the name.

* names from authoritative source/s generally have a high %.

Spatial refers to the confidence level of mapped accuracy.

* Sub-features mapped by ISD and some of the authoritative sources have a high %.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VMFoI Core Table December 2018** | | | | | | | | | | | | |
|  | | | | | | | | | **Confidence** | | | |
| **TABLENAME** | **FEATURE TYPE** | | **FEATURE SUBTYPE** | | **COVERAGE %** | | | **RECORD COUNT** | **NAME  %** | | | **SPATIAL  %** |
| VMFoI Core Table | | | admin facility | | customer service centre | | 0 | 34 | | |  |  | |
| VMFoI Core Table | | | admin facility | | justice service | | 95 | 40 | | | 95 | 95 | |
| VMFoI Core Table | | | admin facility | | law court | | 90 | 65 | | | 80 | 90 | |
| VMFoI Core Table | | | admin facility | | municipal office | | 90 | 116 | | | 90 | 90 | |
| VMFoI Core Table | | | admin facility | | office | | 0 | 313 | | |  |  | |
| VMFoI Core Table | | | admin facility | | prison | | 95 | 17 | | | 95 | 95 | |
| VMFoI Core Table | | | admin facility | | prison complex | | 95 | 18 | | | N/A | 95 | |
| VMFoI Core Table | | | admin facility | | research station | | 0 | 5 | | |  |  | |
| VMFoI Core Table | | | admin facility | | tourist information centre | | 80 | 110 | | | 50 | 90 | |
| VMFoI Core Table | | | admin facility | | weather station | | 0 | 1 | | |  |  | |
| VMFoI Core Table | | | admin facility | | youth justice | | 0 | 3 | | | 95 | 95 | |
| VMFoI Core Table | | | agricultural area | | farm | | 0 | 11 | | |  |  | |
| VMFoI Core Table | | | agricultural area | | vineyard | | 0 | 12 | | |  |  | |
| VMFoI Core Table | | | cableway | | cableway terminal | | 85 | 109 | | | 80 | 95 | |
| VMFoI Core Table | | | cableway | | chairlift | | 85 | 56 | | | 80 | 95 | |
| VMFoI Core Table | | | cableway | | poma tow | | 85 | 13 | | | 80 | 95 | |
| VMFoI Core Table | | | cableway | | t-bar tow | | 85 | 15 | | | 80 | 95 | |
| VMFoI Core Table | | | care facility | | aged care | | 95 | 919 | | | 90 | 90 | |
| VMFoI Core Table | | | care facility | | child care | | 95 | 4563 | | | 90 | 90 | |
| VMFoI Core Table | | | care facility | | disability support centre | | 0 | 14 | | | 50 | 50 | |
| VMFoI Core Table | | | care facility | | supported residential facility | | 0 | 4 | | | 95 | 95 | |
| VMFoI Core Table | | | commercial facility | | business park | | 0 | 6 | | |  |  | |
| VMFoI Core Table | | | commercial facility | | entertainment centre | | 50 | 70 | | |  |  | |
| VMFoI Core Table | | | commercial facility | | shopping centre | | 50 | 98 | | |  |  | |
| VMFoI Core Table | | | commercial facility | | shopping precinct | | 50 | 1617 | | |  |  | |
|  | | |  | |  | |  |  | | |  |  | |
|  | | | | | | | | | | | | |
| **VMFoI Core Table December 2018** | | | | | | | | | | | | |
|  | | | | | | | | | **Confidence** | | | |
| **TABLENAME** | **FEATURE TYPE** | | **FEATURE SUBTYPE** | | **COVERAGE %** | | | **RECORD COUNT** | **NAME  %** | | | **SPATIAL  %** |
| VMFoI Core Table | | | communication service | | broadcast radio facility | | 90 | 288 | | | 80 | 80 | |
| VMFoI Core Table | | | communication service | | broadcast television facility | | 90 | 566 | | | 80 | 80 | |
| VMFoI Core Table | | | communication service | | radio communication facility | | 70 | 251 | | | 50 | 50 | |
| VMFoI Core Table | | | communication service | | telephone exchange | | 90 | 1284 | | | 90 | 90 | |
| VMFoI Core Table | | | community space | | camp ground | | 50 | 1442 | | | 80 | 90 | |
| VMFoI Core Table | | | community space | | caravan park | | 80 | 595 | | | 80 | 80 | |
| VMFoI Core Table | | | community space | | parking area | | 0 | 123 | | |  |  | |
| VMFoI Core Table | | | community space | | rest area | | 0 | 32 | | |  |  | |
| VMFoI Core Table | | | community space | | showground | | 70 | 49 | | |  |  | |
| VMFoI Core Table | | | community venue | | community centre | | 85 | 358 | | | 80 | 85 | |
| VMFoI Core Table | | | community venue | | hall | | 80 | 1786 | | | 70 | 80 | |
| VMFoI Core Table | | | community venue | | neighbourhood house | | 50 | 61 | | | 50 | 50 | |
| VMFoI Core Table | | | community venue | | senior citizens | | 50 | 168 | | |  |  | |
| VMFoI Core Table | | | control point | | survey monument | | 50 | 563 | | |  |  | |
| VMFoI Core Table | | | control point | | trig station | | 0 | 1 | | |  |  | |
| VMFoI Core Table | | | cultural centre | | aquarium | | 50 | 1 | | |  |  | |
| VMFoI Core Table | | | cultural centre | | arboretum | | 50 | 1 | | |  |  | |
| VMFoI Core Table | | | cultural centre | | art gallery | | 50 | 69 | | |  |  | |
| VMFoI Core Table | | | cultural centre | | library | | 90 | 275 | | | 90 | 90 | |
| VMFoI Core Table | | | cultural centre | | museum | | 50 | 160 | | |  |  | |
| VMFoI Core Table | | | cultural centre | | observatory | | 0 | 1 | | |  |  | |
| VMFoI Core Table | | | defence site | | airforce base | | 90 | 4 | | | 90 | 90 | |
| VMFoI Core Table | | | defence site | | barracks | | 50 | 11 | | |  |  | |
| VMFoI Core Table | | | defence site | | military area | | 90 | 12 | | | 90 | 90 | |
| VMFoI Core Table | | | defence site | | naval base | | 90 | 1 | | | 90 | 90 | |
| VMFoI Core Table | | | dumping ground | | landfill | | 80 | 173 | | | 80 | 80 | |
| VMFoI Core Table | | | dumping ground | | scrap yard | | 0 | 13 | | |  |  | |
| VMFoI Core Table | | | dumping ground | | spoil banks | | 0 | 23 | | |  |  | |
| VMFoI Core Table | | | dumping ground | | transfer station | | 90 | 282 | | | 90 | 90 | |
| VMFoI Core Table | | | education centre | | education complex | | 95 | 2574 | | | 0 | 80 | |
| VMFoI Core Table | | | education centre | | further education | | 80 | 37 | | |  | 80 | |
| VMFoI Core Table | | | education centre | | primary school | | 95 | 1629 | | | 95 | 95 | |
| VMFoI Core Table | | | education centre | | primary/secondary school | | 95 | 290 | | | 95 | 95 | |
| VMFoI Core Table | | | education centre | | school camp | | 95 | 21 | | | 95 | 95 | |
| VMFoI Core Table | | | education centre | | secondary school | | 95 | 528 | | | 95 | 95 | |
| VMFoI Core Table | | | education centre | | special school | | 95 | 186 | | | 95 | 95 | |
| VMFoI Core Table | | | education centre | | tertiary institution | | 85 | 102 | | | 85 | 85 | |
| VMFoI Core Table | | | education centre | | university | | 85 | 48 | | | 85 | 85 | |
|  | | |  | |  | |  |  | | |  |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VMFoI Core Table December 2018** | | | | | | | | | | | | | |
|  | | | | | | | | | | **Confidence** | | | |
| **TABLENAME** | | **FEATURE TYPE** | | **FEATURE SUBTYPE** | | **COVERAGE %** | | | **RECORD COUNT** | **NAME  %** | | | **SPATIAL  %** |
| VMFoI Core Table | | emergency facility | | ambulance station | | 95 | 251 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | coast guard | | 95 | 17 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | emergency complex | | 0 | 2 | | |  | 90 | | |
| VMFoI Core Table | | emergency facility | | emergency coordination centre | | 95 | 210 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | fire lookout | | 95 | 85 | | | 90 | 95 | | |
| VMFoI Core Table | | emergency facility | | fire station | | 95 | 1281 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | fire station (forest industry) | | 95 | 17 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | lifesaving club | | 95 | 68 | | | 90 | 90 | | |
| VMFoI Core Table | | emergency facility | | neighbourhood safer place | | 95 | 306 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | police station | | 95 | 331 | | | 95 | 95 | | |
| VMFoI Core Table | | emergency facility | | refuge | | 90 | 5 | | |  |  | | |
| VMFoI Core Table | | emergency facility | | ses unit | | 95 | 143 | | | 95 | 95 | | |
| VMFoI Core Table | | excavation site | | abandoned mine | | 0 | 15 | | |  |  | | |
| VMFoI Core Table | | excavation site | | abandoned quarry | | 0 | 207 | | |  |  | | |
| VMFoI Core Table | | excavation site | | adit | | 50 | 1558 | | | 50 | 50 | | |
| VMFoI Core Table | | excavation site | | mine | | 50 | 1244 | | | 50 | 50 | | |
| VMFoI Core Table | | excavation site | | quarry | | 50 | 1787 | | | 50 | 50 | | |
| VMFoI Core Table | | health facility | | community health centre | | 0 | 33 | | |  |  | | |
| VMFoI Core Table | | health facility | | maternal/child health centre | | 90 | 182 | | | 90 | 90 | | |
| VMFoI Core Table | | hospital | | bush nursing hospital | | 95 | 5 | | | 95 | 95 | | |
| VMFoI Core Table | | hospital | | day procedure centre | | 95 | 95 | | | 95 | 95 | | |
| VMFoI Core Table | | hospital | | general hospital | | 95 | 190 | | | 95 | 95 | | |
| VMFoI Core Table | | hospital | | general hospital (emergency) | | 95 | 39 | | | 95 | 95 | | |
| VMFoI Core Table | | hospital | | hospital complex | | 95 | 218 | | | 0 | 95 | | |
| VMFoI Core Table | | industrial facility | | abattoir | | 0 | 7 | | |  |  | | |
| VMFoI Core Table | | industrial facility | | brickworks | | 0 | 9 | | |  |  | | |
| VMFoI Core Table | | industrial facility | | dairy | | 0 | 114 | | |  |  | | |
| VMFoI Core Table | | industrial facility | | factory | |  | 68 | | |  |  | | |
| VMFoI Core Table | | industrial facility | | mill/timber operations | | 0 | 79 | | |  |  | | |
| VMFoI Core Table | | industrial facility | | proving ground | | 0 | 3 | | |  |  | | |
| VMFoI Core Table | | landmark | | cairn | | 0 | 9 | | |  |  | | |
| VMFoI Core Table | | landmark | | lookout | | 50 | 272 | | |  |  | | |
| VMFoI Core Table | | landmark | | monument | | 50 | 880 | | | 80 | 80 | | |
| VMFoI Core Table | | landmark | | tourist attraction | | 50 | 308 | | |  |  | | |
| VMFoI Core Table | | landmark | | tower | | 50 | 1028 | | |  |  | | |
| VMFoI Core Table | | physiographic | | lava flow | | 50 | 72 | | |  |  | | |
| VMFoI Core Table | | pipeline | | gas pipeline | | 90 | 133 | | | 90 | 90 | | |
| VMFoI Core Table | | pipeline | | oil pipeline | | 0 | 6 | | | 90 | 90 | | |
|  | |  | |  | |  |  | | |  |  | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VMFoI Core Table December 2018** | | | | | | | | | | | | |
|  | | | | | | | | | **Confidence** | | | |
| **TABLENAME** | **FEATURE TYPE** | | **FEATURE SUBTYPE** | | **COVERAGE %** | | | **RECORD COUNT** | **NAME  %** | | | **SPATIAL  %** |
|  | | |  | |  | |  |  | | |  |  | |
| VMFoI Core Table | | | pipeline facility | | gas plant | | 80 | 11 | | | 80 | 80 | |
| VMFoI Core Table | | | pipeline facility | | oil refinery | | 80 | 2 | | | 80 | 80 | |
| VMFoI Core Table | | | pipeline facility | | oil terminal | | 80 | 8 | | | 80 | 80 | |
| VMFoI Core Table | | | pipeline facility | | pumping station | | 0 | 41 | | |  |  | |
| VMFoI Core Table | | | pipeline facility | | treatment plant | | 0 | 39 | | |  |  | |
| VMFoI Core Table | | | place | | historic site | | 0 | 54 | | |  |  | |
| VMFoI Core Table | | | place of worship | | church | | 75 | 1940 | | | 50 | 50 | |
| VMFoI Core Table | | | place of worship | | gurdwara (sikh) | | 85 | 8 | | | 85 | 85 | |
| VMFoI Core Table | | | place of worship | | monastry | | 0 | 2 | | |  |  | |
| VMFoI Core Table | | | place of worship | | mondir (hindu) | | 85 | 7 | | | 85 | 85 | |
| VMFoI Core Table | | | place of worship | | mosque | | 85 | 37 | | | 85 | 85 | |
| VMFoI Core Table | | | place of worship | | synagogue | | 85 | 33 | | | 85 | 85 | |
| VMFoI Core Table | | | place of worship | | vihara (buddhist) | | 85 | 9 | | | 85 | 85 | |
| VMFoI Core Table | | | power facility | | biomass power station | | 90 | 2 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | coal power station | | 90 | 6 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | cooling tower | | 0 | 4 | | |  |  | |
| VMFoI Core Table | | | power facility | | gas power station | | 90 | 16 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | hydro power station | | 90 | 18 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | power sub station | | 90 | 89 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | power terminal station | | 90 | 43 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | wind farm | | 90 | 21 | | | 75 | 95 | |
| VMFoI Core Table | | | power facility | | wind turbine | | 90 | 699 | | | 75 | 95 | |
| VMFoI Core Table | | | power line | | power sub transmission | | 50 | 1577 | | | 80 | 80 | |
| VMFoI Core Table | | | power line | | power transmission | | 90 | 111 | | | 90 | 90 | |
| VMFoI Core Table | | | recreational resource | | amphitheatre | | 0 | 6 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | bmx track | | 0 | 67 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | club house | | 0 | 1160 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | grandstand | | 0 | 18 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | group camp | | 50 | 127 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | hut | | 0 | 106 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | picnic site | | 0 | 419 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | playground | | 60 | 5077 | | | 60 | 60 | |
| VMFoI Core Table | | | recreational resource | | rotunda | | 0 | 138 | | |  |  | |
| VMFoI Core Table | | | recreational resource | | skate park | | 0 | 295 | | |  |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VMFoI Core Table December 2018** | | | | | | | | | | | | | |
|  | | | | | | | | | | **Confidence** | | | |
| **TABLENAME** | | **FEATURE TYPE** | | **FEATURE SUBTYPE** | | **COVERAGE %** | | | **RECORD COUNT** | **NAME  %** | | | **SPATIAL  %** |
| VMFoI Core Table | | reserve | | amusement centre | | 0 | 9 | | |  |  | | |
| VMFoI Core Table | | reserve | | cemetery | | 90 | 653 | | | 90 | 90 | | |
| VMFoI Core Table | | reserve | | city square | | 0 | 10 | | |  |  | | |
| VMFoI Core Table | | reserve | | conservation park | | 95 | 434 | | | 95 | 95 | | |
| VMFoI Core Table | | reserve | | gardens | | 50 | 161 | | | 50 | 90 | | |
| VMFoI Core Table | | reserve | | national park | | 95 | 113 | | | 95 | 95 | | |
| VMFoI Core Table | | reserve | | park | | 80 | 20293 | | | 70 | 90 | | |
| VMFoI Core Table | | reserve | | zoo | | 50 | 7 | | |  |  | | |
| VMFoI Core Table | | residential building | | retirement village | | 80 | 604 | | | 80 | 90 | | |
| VMFoI Core Table | | sign | | emergency marker | | 95 | 3074 | | | 90 | 90 | | |
| VMFoI Core Table | | sign | | snow pole | | 0 | 76 | | |  |  | | |
| VMFoI Core Table | | sport facility | | athletic field | | 50 | 66 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | baseball field | | 50 | 140 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | basketball court | | 0 | 73 | | |  |  | | |
| VMFoI Core Table | | sport facility | | boating club | | 0 | 12 | | |  |  | | |
| VMFoI Core Table | | sport facility | | bowling green | | 80 | 541 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | croquet green | | 80 | 84 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | equestrian facility | | 0 | 111 | | |  |  | | |
| VMFoI Core Table | | sport facility | | golf course | | 80 | 389 | | |  |  | | |
| VMFoI Core Table | | sport facility | | golf driving range | | 0 | 6 | | |  |  | | |
| VMFoI Core Table | | sport facility | | greyhound racetrack | | 90 | 10 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | harness racetrack | | 90 | 26 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | hockey ground | | 80 | 65 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | horse racetrack | | 80 | 42 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | motor track | | 80 | 127 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | netball court | | 0 | 478 | | |  |  | | |
| VMFoI Core Table | | sport facility | | racecourse | | 80 | 121 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | sports complex | | 50 | 478 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | sports ground | | 50 | 4308 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | swimming pool | | 80 | 290 | | | 80 | 90 | | |
| VMFoI Core Table | | sport facility | | target range | | 0 | 84 | | |  |  | | |
| VMFoI Core Table | | sport facility | | tennis court | | 0 | 1714 | | |  |  | | |
| VMFoI Core Table | | sport facility | | training track | | 0 | 910 | | |  |  | | |
| VMFoI Core Table | | sport facility | | velodrome | | 50 | 22 | | |  |  | | |
| VMFoI Core Table | | storage facility | | boathouse | | 0 | 2 | | |  |  | | |
| VMFoI Core Table | | storage facility | | depot | | 0 | 214 | | |  |  | | |
| VMFoI Core Table | | storage facility | | gas tank | | 0 | 24 | | |  |  | | |
| VMFoI Core Table | | storage facility | | grain bunker | | 50 | 391 | | |  |  | | |
| VMFoI Core Table | | storage facility | | hangar | | 0 | 193 | | |  |  | | |
| VMFoI Core Table | | storage facility | | oil tank | | 0 | 372 | | |  |  | | |
| VMFoI Core Table | | storage facility | | petroleum tank | | 0 | 13 | | |  |  | | |
| VMFoI Core Table | | storage facility | | silo | | 50 | 2042 | | |  |  | | |
| VMFoI Core Table | | storage facility | | stockyard | | 0 | 44 | | |  |  | | |
|  | |  | |  | | **TOTALS** | **84553** | | |  |  | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Locality\_Point** |  |  |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** | **NAME  %** | **SPATIAL  %** |
| LOCALITY\_POINT | place | locality |  | 18 |  |  |
| place | locality bounded | 100 | 2973 | 100 | 100 |
| place | locality unbounded | 95 | 867 | 100 | 100 |
|  |  |  | **TOTALS** | **3858** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Pl\_Place\_Area\_Polygon** | |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** |
| PL\_PLACE\_AREA\_POLYGON | | bua | 80 | 1618 |
|  |  |  | **TOTALS** | **1618** |
|  |  |  |  |  |
|  | **Building Point** | |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** |
| BUILDING POINT | building | undefined\_building |  | 530929 |
| residential building | house |  | 35020 |
| storage facility | hay shed |  | 2 |
| storage facility | shed |  | 1175 |
| storage facility | woolshed |  | 65 |
|  |  |  | **TOTALS** | **567191** |
|  |  |  |  |  |
|  | **Building Polygon** | |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** |
| BUILDING POLYGON | building | undefined\_building |  | 21072 |
| storage facility | shed |  | 1 |
|  |  |  | **TOTALS** | **21073** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Geo\_Area\_Relief\_Label** | |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** |
| GEO\_AREA\_RELIEF\_LABEL | cliff |  |  | 56 |
| named\_natural\_region |  |  | 387 |
| pass |  |  | 255 |
| peninsula |  |  | 7 |
| place |  |  | 78 |
| plateau |  |  | 23 |
| ridge |  |  | 610 |
| rock\_terrestrial |  |  | 31 |
| valley |  |  | 72 |
|  |  |  | **TOTALS** | **1519** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Geo\_Area\_Hydro\_Label** | |  |  |
| **TABLENAME** | **FEATURE TYPE** | **FEATURE SUBTYPE** | **COVERAGE %** | **RECORD COUNT** |
| GEO\_AREA\_HYDRO\_LABEL | bay |  |  | 232 |
| beach |  |  | 191 |
| bend |  |  | 6 |
| island\_marine |  |  | 292 |
| island\_terrestrial |  |  | 153 |
| marine\_place |  |  | 27 |
| sea |  |  | 2 |
| shoreline |  |  | 2 |
| waterbody |  |  | 11 |
| watercourse |  |  | 158 |
|  |  |  | **TOTALS** | **1074** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **GNR registered** |  |  |
| **TABLENAME** |  | **FEATURE** |  | **RECORD COUNT** |
| GNR |  | ABBEY |  | 2 |
| GNR |  | AIR FORCE BASE |  | 3 |
| GNR |  | AIRPORT |  | 28 |
| GNR |  | AMBULANCE STATION |  | 1 |
| GNR |  | AMPHITHEATRE |  | 2 |
| GNR |  | ANCHORAGE |  | 4 |
| GNR |  | ARBORETUM |  | 1 |
| GNR |  | ART GALLERY |  | 5 |
| GNR |  | BANK |  | 3 |
| GNR |  | BAR |  | 24 |
| GNR |  | BATTERY |  | 3 |
| GNR |  | BAY |  | 250 |
| GNR |  | BEACH |  | 185 |
| GNR |  | BEACON |  | 37 |
| GNR |  | BEND |  | 221 |
| GNR |  | BICYCLE TRACK |  | 1 |
| GNR |  | BORE |  | 23 |
| GNR |  | BOTANIC GARDENS |  | 7 |
| GNR |  | BREAKWATER |  | 4 |
| GNR |  | BUSH NURSING HOSPITAL |  | 2 |
| GNR |  | CAMP GROUND |  | 137 |
| GNR |  | CAPE |  | 29 |
| GNR |  | CAR PARK |  | 16 |
| GNR |  | CARAVAN PARK |  | 5 |
| GNR |  | CAUSEWAY |  | 3 |
| GNR |  | CAVE |  | 45 |
| GNR |  | CEMETERY |  | 29 |
| GNR |  | CHANNEL |  | 548 |
| GNR |  | CHILD CARE |  | 2 |
| GNR |  | CLIFF |  | 63 |
| GNR |  | COAL POWER STATION |  | 5 |
| GNR |  | COAST |  | 1 |
| GNR |  | COMMUNICATION TOWER |  | 5 |
| GNR |  | COMMUNITY CENTRE |  | 28 |
| GNR |  | CONTROL TOWER |  | 1 |
| GNR |  | COUNTY |  | 37 |
| GNR |  | CROQUET GREEN |  | 1 |
| GNR |  | DAM |  | 185 |
| GNR |  | DEEP (MARINE) |  | 3 |
| GNR |  | DEPRESSION |  | 23 |
| GNR |  | DESERT |  | 3 |
|  |  | **GNR registered** |  |  |
| **TABLENAME** |  | **FEATURE** |  | **RECORD COUNT** |
| GNR |  | DOCK |  | 4 |
| GNR |  | DRAIN |  | 74 |
| GNR |  | DUNE |  | 5 |
| GNR |  | EDUCATION COMPLEX |  | 2 |
| GNR |  | ENTRANCE |  | 8 |
| GNR |  | EQUESTRIAN CENTRE |  | 2 |
| GNR |  | FARM |  | 23 |
| GNR |  | FERRY STATION |  | 1 |
| GNR |  | FIRE LOOKOUT |  | 11 |
| GNR |  | FIRE STATION |  | 828 |
| GNR |  | FIREBREAK |  | 28 |
| GNR |  | FIRING RANGE |  | 4 |
| GNR |  | FOOTBRIDGE |  | 7 |
| GNR |  | FORD |  | 46 |
| GNR |  | FOREST |  | 20 |
| GNR |  | FURTHER EDUCATION |  | 36 |
| GNR |  | GAS POWER STATION |  | 1 |
| GNR |  | GATE |  | 10 |
| GNR |  | GENERAL HOSPITAL |  | 157 |
| GNR |  | GOLF COURSE |  | 1 |
| GNR |  | GORGE |  | 41 |
| GNR |  | GRASSLAND |  | 1 |
| GNR |  | HALL |  | 619 |
| GNR |  | HARBOUR |  | 12 |
| GNR |  | HELIPORT |  | 1 |
| GNR |  | HILL |  | 1256 |
| GNR |  | HISTORIC SITE |  | 49 |
| GNR |  | HOMESTEAD |  | 1 |
| GNR |  | HUT |  | 103 |
| GNR |  | HYDRO POWER STATION |  | 9 |
| GNR |  | INLET |  | 103 |
| GNR |  | IRON ORE PROCESSOR |  | 1 |
| GNR |  | ISLAND |  | 192 |
| GNR |  | ISTHMUS |  | 4 |
| GNR |  | JETTY |  | 18 |
| GNR |  | JUNCTION |  | 123 |
| GNR |  | KINDERGARTEN |  | 23 |
| GNR |  | LAGOON |  | 96 |
| GNR |  | LAKE |  | 453 |
| GNR |  | LANDING AREA |  | 29 |
| GNR |  | LANDING PLACE |  | 14 |
|  |  | **GNR registered** |  |  |
| **TABLENAME** |  | **FEATURE** |  | **RECORD COUNT** |
| GNR |  | LAW COURT |  | 124 |
| GNR |  | LIBRARY |  | 3 |
| GNR |  | LIFESAVING CLUB |  | 1 |
| GNR |  | LIGHT RAIL |  | 1 |
| GNR |  | LIGHT RAIL STATION |  | 1 |
| GNR |  | LIGHTHOUSE |  | 10 |
| GNR |  | LOCAL GOVERNMENT AREA |  | 85 |
| GNR |  | LOCALITY |  | 3418 |
| GNR |  | LOCK |  | 7 |
| GNR |  | LOOKOUT |  | 26 |
| GNR |  | MARINA |  | 2 |
| GNR |  | MARKET |  | 7 |
| GNR |  | MILL/TIMBER OPERATIONS |  | 48 |
| GNR |  | MINE (OPEN CUT) |  | 239 |
| GNR |  | MISSION |  | 2 |
| GNR |  | MONASTERY |  | 1 |
| GNR |  | MONUMENT |  | 54 |
| GNR |  | MOTOR TRACK |  | 16 |
| GNR |  | MOUNTAIN |  | 751 |
| GNR |  | MOUNTAIN BIKE TRACK |  | 1 |
| GNR |  | MULTIUSE TRAIL |  | 2 |
| GNR |  | NAVAL BASE |  | 1 |
| GNR |  | NEIGHBOURHOOD |  | 1073 |
| GNR |  | NEIGHBOURHOOD SAFER PLACE | | 307 |
| GNR |  | OIL REFINERY |  | 1 |
| GNR |  | PAN |  | 4 |
| GNR |  | PARISH |  | 2004 |
| GNR |  | PARK |  | 3599 |
| GNR |  | PASS |  | 261 |
| GNR |  | PASSAGE |  | 7 |
| GNR |  | PEAK |  | 180 |
| GNR |  | PENINSULA |  | 5 |
| GNR |  | PIER |  | 17 |
| GNR |  | PLAIN |  | 335 |
| GNR |  | PLANTATION |  | 40 |
| GNR |  | PLATEAU |  | 15 |
| GNR |  | PLAYGROUND |  | 2 |
| GNR |  | POINT |  | 428 |
| GNR |  | POLICE STATION |  | 359 |
| GNR |  | PORT |  | 1 |
| GNR |  | POST OFFICE |  | 426 |
|  |  | **GNR registered** |  |  |
| **TABLENAME** |  | **FEATURE** |  | **RECORD COUNT** |
| GNR |  | POWER DISTRIBUTION |  | 12 |
| GNR |  | POWER TERMINAL STATION |  | 2 |
| GNR |  | PRIMARY AND SECONDARY SCHOOL | | 197 |
| GNR |  | PRIMARY SCHOOL |  | 2250 |
| GNR |  | PRISON |  | 7 |
| GNR |  | PUMPING STATION |  | 4 |
| GNR |  | QUARRY |  | 21 |
| GNR |  | RACECOURSE |  | 18 |
| GNR |  | RADIO COMMUNICATION FACILITY | | 2 |
| GNR |  | RADIO STATION |  | 4 |
| GNR |  | RAIL STATION |  | 865 |
| GNR |  | RAIL TUNNEL |  | 1 |
| GNR |  | RAIL YARD |  | 4 |
| GNR |  | RAILWAY |  | 58 |
| GNR |  | RANGE |  | 144 |
| GNR |  | REACH |  | 7 |
| GNR |  | REEF (MARINE) |  | 41 |
| GNR |  | RESERVOIR |  | 195 |
| GNR |  | RIDGE |  | 375 |
| GNR |  | ROAD BRIDGE |  | 655 |
| GNR |  | ROAD CUTTING |  | 33 |
| GNR |  | ROAD NAME ORIGIN |  | 1921 |
| GNR |  | ROAD TUNNEL |  | 12 |
| GNR |  | ROCK |  | 214 |
| GNR |  | ROCKHOLE |  | 1 |
| GNR |  | ROTUNDA |  | 2 |
| GNR |  | SCHOOL CAMP |  | 21 |
| GNR |  | SEA |  | 1 |
| GNR |  | SECONDARY SCHOOL |  | 913 |
| GNR |  | SES FACILITY |  | 1 |
| GNR |  | SEWAGE TREATMENT PLANT |  | 6 |
| GNR |  | SHOAL (MARINE) |  | 24 |
| GNR |  | SHOPPING CENTRE |  | 52 |
| GNR |  | SIDING |  | 8 |
| GNR |  | SLOPE |  | 8 |
| GNR |  | SOAK |  | 1 |
| GNR |  | SOUND |  | 2 |
| GNR |  | SPECIAL SCHOOL |  | 105 |
| GNR |  | SPECIALISED HOSPITAL |  | 4 |
| GNR |  | SPORT FACILITY |  | 17 |
| GNR |  | SPORTS COMPLEX |  | 8 |
|  |  | **GNR registered** |  |  |
| **TABLENAME** |  | **FEATURE** |  | **RECORD COUNT** |
| GNR |  | SPORTSGROUND |  | 8 |
| GNR |  | SPRING |  | 35 |
| GNR |  | STATE BORDER |  | 3 |
| GNR |  | STATE FOREST |  | 244 |
| GNR |  | STEEL WORKS |  | 1 |
| GNR |  | STOCKYARD |  | 7 |
| GNR |  | SURVEY MARKER |  | 365 |
| GNR |  | SWIMMING POOL |  | 13 |
| GNR |  | TELEVISION COMMUNICATION FACILITY | | 2 |
| GNR |  | TERTIARY INSTITUTION |  | 2 |
| GNR |  | TRANSFER STATION |  | 1 |
| GNR |  | UNCLASSIFIED |  | 142 |
| GNR |  | UNIVERSITY |  | 8 |
| GNR |  | VALLEY |  | 18 |
| GNR |  | VELODROME |  | 1 |
| GNR |  | VINEYARD |  | 16 |
| GNR |  | WALKING TRACK |  | 182 |
| GNR |  | WATER PIPELINE |  | 14 |
| GNR |  | WATER TANK |  | 38 |
| GNR |  | WATER TREATMENT |  | 2 |
| GNR |  | WATERCOURSE |  | 5810 |
| GNR |  | WATERFALL |  | 200 |
| GNR |  | WATERHOLE |  | 33 |
| GNR |  | WEIR |  | 55 |
| GNR |  | WETLAND |  | 468 |
| GNR |  | WHARF |  | 8 |
| GNR |  | WINERY |  | 43 |
|  |  |  | **TOTALS** | **36190** |

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. |

delwp.vic.gov.au