# Geomark

## Product Information Sheet

### What is Geomark?

Geomark is a product comprised of five spatial datasets, each containing "named" (ie features that have a recognised name such as Murray River) or "could be named" topographic features within Victoria. Geomark does not replace the Vicmap Features of Interest product. The Geomark datasets are spatial reference files that describe the feature, its location and its name. Examples of the types of features included in these datasets are: rivers, water bodies, railway lines, parks, airports, hospitals, education centres, emergency facilities, sport facilities, mountains, transport infrastructure, power facilities and community venues (but not road names).

The data contained within the individual Geomark datasets has been sourced from Vicmap Elevation, Vicmap Hydro, Vicmap Features of Interest and Vicmap Transport. The difference between the features in these Vicmap datasets and Geomark is that the Geomark features have been combined to create one piece of geometry based on its name and type.

For example the "Yarra River" in Vicmap Hydro is stored as many individual line segments whereas in GEOMARK_LINE the "Yarra River" has been dissolved to form a single line segment for the entire length of the river.

Geomark has been created to facilitate a consistent approach to "naming" features. It is through the use of the Geomark datasets that the name information in the various Vicmap products can be compared against the authoritative register of names (or the Geographic Naming Register, GNR) and updated as necessary. The Geomark datasets are also a component of the "Vicnames" (Register of Geographic names) application.

### How is Geomark structured?

The Geomark datasets replicate the model, or schema structure, of the five core tables within the Vicmap Features of Interest product (Features of Interest Index Centroid, Features of Interest Index Extent, Features of Interest Point, Features of Interest Line and Features of Interest Polygon). As a consequence, the Geomark product consists of point, line and polygon datasets which have then been consolidated to form a further two "index" datasets, consisting of ALL records represented as centroids and polygons respectively. The Geomark datasets are topologically structured and seamless across Victoria.

A brief description of the different Geomark datasets is provided below. For more information about the attributes and fields within the tables please refer to the "Vicmap Features Of Interest - Fields And Descriptions" table and the subsequent "Data Structure" table in Appendix C of the Vicmap Features of Interest product description (www.delwp.vic.gov.au/vicmap). It should be noted that because Geomark is an amalgamation of information from different Vicmap products, not all the Geomark fields are populated. The population of a field depends upon the maintenance of the Vicmap dataset sources and the subsequent derivation processes.

Each record is described by a feature and a subfeature.

- GEOMARK_POINT : A statewide point dataset containing information for "named" or "could be named" features. Points represent relatively small area features that have been generalised or larger features where the spatial source is a coordinate or an address. Examples of small area point entities include wind turbines, snow poles, and emergency markers.

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

- GEOMARK_LINE :  A statewide line dataset containing information for "named" or "could be named" features. Linear features include rivers, power lines, chairlifts and pipelines among others

- GEOMARK_POLYGON :  A statewide polygon dataset containing information for "named" or "could be named" features. Polygons represent larger area features that have been captured in more detail. Examples include lakes, sports grounds, gardens, parks and shopping precincts.

- GEOMARK_INDEX_CENTROID : A statewide centroid dataset holding one centroid record for each feature (unique feature id) held within the Geomark Index Extent table.

- GEOMARK_INDEX_EXTENT : A statewide polygon dataset holding one polygon or multi part polygon record for each feature (unique feature id) held within the Geomark Point, Line and Polygon tables. Note: point and line features are represented as polygons.

Note : the Geomark datasets all have the same attribute structure.

## How can Geomark be used?

The Geomark datasets can be used to support the display, maintenance and audit of named features in Victoria, as exhibited by the Vicnames application. These datasets could also support map production or map display applications by providing superior label placement capabilities.

## How can I access Geomark?

The Geomark datasets are available to users under the terms of a Creative Commons License Agreement. These datasets can be downloaded from the Victorian Government Data Directory (www.data.vic.gov.au).

## Need more information

For more specific information about the various Geomark datasets, please read the Geomark metadata records which can be accessed from the Datasearch Victoria website. These metadata records contain information regarding the data's positional and attribute accuracy, the datasets maintenance and update frequency as well as other details. If you have further questions regarding the Geomark product please send your query to vicmap.info@delwp.vic.gov.au

**Technical Details**

| Source information | Derived from selected Vicmap Products |
|---|---|
| Coverage | Statewide |
| Currency | Varies with each feature's source |
| Scale of Capture | Varies with each feature's source |
| Spatial accuracy of data | Generally ranges from 0.1m to 25m |
| Coordinates | GDA94 Lat/Long, others on application |
| Datum | GDA94 |
| Format | Various GIS formats available |