

Appendix 4: VDAS data dictionary

Version	Summary of changes
1.00	Release
Owner:	Office of Projects Victoria
Authoriser:	Victorian Chief Engineer

Appendix 4 contents

VDAS data dictionary

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No.	Name/ source	Description	Category	Link/URL	Geolocated?
1.	Plan Melbourne spatial data	<p>A range of spatial data is available to download in ESRI shape and MapInfo tab file:</p> <ul style="list-style-type: none"> Plan Melbourne spatial data ESRI shape file format (ZIP file – 7.6 MB); and Plan Melbourne spatial data MapInfo tab file format (ZIP file – 8.1 MB). 	Spatial	Link	Yes
2.	VicRoads	<p>Available datasets include:</p> <ul style="list-style-type: none"> emergency road closure points; emergency road closure lines; bluetooth congestion for intersection sites (points); bluetooth congestion for road segments (links); lane use management system variable speed signs (points); and roadworks and events. <p>Note: users will need request an API token from traffic_requests@vicroads.vic.gov.au. Note that server load is also throttled. Datasets are loaded on a one-minute cycle but are dependent on a variety of upstream systems so may be a few minutes old. Data is loaded and served as-is from the source (no additional processing or formatting is applied other than converting to the requested format).</p> <p>All datasets are made available via OGC standard services:</p> <ul style="list-style-type: none"> Web map service (WMS) – for generating map images in PNG, JPEG, GIF, TIFF, GeoTIFF, SVG, PDF, KML, KMZ and UTFGrid formats; and Web feature service (WFS) – for querying the underlying data in JSON, JSONP, Shapefile, CSV and GML (v2 and 3) formats. 	Road	Link	Yes

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3.	Victorian Heritage	<p>The Victorian Heritage Database is home to the Victorian Heritage Register which lists the State's most significant heritage places, objects and historic shipwrecks protected under the <i>Heritage Act 2017</i>. It's also home to the Victorian Heritage Inventory, which lists all known historical archaeological sites in Victoria.</p> <p>The database stores the records of places in Heritage Overlays of 24 Local Planning Schemes (not all heritage overlays are listed). It also includes the records of non-statutory listings held by the National Trust of Australia (Victoria) and the Victorian War Heritage Inventory.</p> <p>The database includes information about heritage places and objects:</p> <ul style="list-style-type: none"> • on the Victorian Heritage Register; • classified by the National Trust; • included in the Victorian War Heritage inventory; and • covered by a local government Heritage Overlay (if the local council has made this information available). 	Heritage	Link	Yes

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4.	MyVictoria	<p>MyVictoria makes Victorian open data easier to access and use. Open data typically exists as raw spreadsheets in disparate locations. MyVictoria gathers and combines data to help you draw meaningful insights. Converting data into visual formats like maps, graphs and charts tells a story that:</p> <ul style="list-style-type: none"> • creates clear understanding; • brings important context; • conveys related information; and • informs research and planning. <p>MyVictoria makes Victorian open data easier to access and use to help small businesses grow. MyVictoria uses location intelligence to inform decision-making, inspire ideas and identify opportunities. It includes:</p> <ul style="list-style-type: none"> • demographics; • business by industry; • building activity; • planned government projects; • transport; and • services and facilities. 	Spatial	Link	Yes

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5a.	City of Melbourne 'CLUE' Open Dataset	<p>Census of Land Use and Employment (CLUE) provides comprehensive information about land use, employment and economic activity across the City of Melbourne, making it a valuable research tool. It includes:</p> <ul style="list-style-type: none"> • building information; • business establishments trading name and industry classification; • café, restaurant, bistro seats; • bar, tavern, pub patron capacity; • residential dwellings; • off-street car parking; • business establishments per clue industry for blocks; • employment per clue industry for blocks; • business establishments per ANZSIC for blocks; • employment per ANZSIC for blocks; and • floor space per space use for blocks. 	Spatial	Link Link	No
5b.	City of Melbourne Open Data	<p>City of Melbourne is committed to building an accessible, transparent and responsive organisation with an emphasis on public disclosure and access to information. The City of Melbourne Open Data Platform is available for all to use and includes more than 205 data sets, including:</p> <ul style="list-style-type: none"> • parking; • safe mobility data; • city sensors; • 3D data; • major development; • greening laneways; • environment; • city statistics and forecasts; • rooftop project data; and • transport. 	Spatial	Link	No

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6.	LANDATA	<p>LANDATA® is a business of Land Use Victoria, a division of the Department of Environment, Land, Water and Planning. LANDATA® delivers property information including title, survey, valuation and property sales, property certificates and planning certificates. It includes:</p> <ul style="list-style-type: none"> • survey labels; • survey marks; and • property information. 	Spatial/property	Link	Yes
7.	Google Maps	<p>Google Maps offers satellite imagery, aerial photography, street maps, 360° panoramic views of streets (Street View), real-time traffic conditions, and route planning for traveling by foot, car, bicycle and air (in beta), or public transportation.</p>	Spatial	Link	Yes
8.	Geological Survey Victoria Earth resources – GeoVic	<p>GeoVic is a free mapping tool which allows you to search geospatial databases and to display the results as maps or tables. It includes:</p> <ul style="list-style-type: none"> • boreholes with core; • commodity (coal, gold and base metals, mineral sands, geothermal, carbon storage, oil and gas); • geothermal; • gold prospecting; • mining activity; • mining licences and MRSDA; • mining quarries (with properties); • petroleum licences; • planning referrals; • renewable energy (wind resource/farms, solar atlas); and • topographic detail. 	Earth resources	Link	Yes

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9.	Victoria soil type mapping	<p>A spatial map layer of Victorian soils to Australian Soil Classification schema.</p> <p>The harmonised map consists of 3,300 land units (approximately 225,000 polygons) derived from around 100 soil and land surveys carried out in Victoria over the past 70 years.</p> <p>A 'reliability index' provides the user with a qualitative reliability measure to support interpretation.</p> <p>Soil site data contained in the Victorian Soil Information System (VSIS), and information on the Victorian Resources Online (VRO) website and original study reports have been combined with landscape knowledge to develop the new maps. Data from approximately 10,000 existing sites recorded, mostly recorded in the VSIS have been used.</p>	Earth resources	Link	Yes
10.	Victoria Planning Authority	<p>The Victorian Planning Authority has released two spatial datasets relating to Melbourne's greenfield precinct structure plans. These include:</p> <ul style="list-style-type: none"> • PSP boundaries: The declared growth areas of Melbourne have been divided into 117 precincts, each of which will have a precinct structure plan (PSP) completed to help guide the development of new residential and commercial areas. The PSP boundaries layer contains the boundaries of each of these 117 precincts. • FUS LandUse: Each PSP describes the planned land uses for new development in specific parts of Melbourne's Growth Areas. The official future urban structure (FUS) plan for any individual area is contained in the approved PSP documents incorporated into the relevant municipal planning schemes for that area. Copies are available as PDF downloads or from the relevant municipality. 	Spatial	Link	Yes

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11.	Dial Before You Dig (DBYD)	<p>Dial Before You Dig delivers vital nationwide information that aims to prevent damage and disruption to Australia’s vast infrastructure networks.</p> <p>Networks include essential services such as electricity, gas, water and telecommunications.</p> <p>DBYD significantly minimises excavation risks by providing information about the work site.</p>	Spatial	Link	Yes
12.	Victoria Weather and Warnings BoM	<p>The Bureau of Meteorology provides access to over 2,823 data sets and entries across Australia. These include datasets on:</p> <ul style="list-style-type: none"> • rainfall; • temperature; • humidity; • evaporation; • wind; • sunshine, radiation and cloud; • cyclones and thunderstorms; • general climate descriptions; • data for spatial analysis; • climate change and variability; and • normalised difference vegetation index. 	Weather	Link	Yes

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13.	VicPlan	<p>VicPlan is a tool that you can use to view, query and create your own property reports. More than a mapping tool, it is a gateway to a whole range of planning information.</p> <p>It allows you to search for information – the interactive single search bar allows you to search for a range of information simply by entering the information you are looking for. Start by typing at least the first three letters of your search. Items you can search for are:</p> <ul style="list-style-type: none"> • address; • lot on plan; • SPI; • heritage number; • locality; and • municipality and more. <p>To generate your property report, simply search for a property or parcel in the steps described above, or zoom in on the map and left mouse click on the property of your choice. Once you have the property/parcel information, simply click on that result and then choose the 'Create property report' button.</p>	Spatial	Link	Yes
14.	MapShare Vic	<p>MapShareVic allows you to:</p> <ul style="list-style-type: none"> • interact with forest, public land and water maps; • view different basemaps; • search for an address, place name, locality or LGA; • identify features on the map; and • print and export your map. 	Spatial	Link	Yes

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15.	MapShar-Hydra	View datasets associated with Victorian water assets, projects and strategies, including: <ul style="list-style-type: none"> • healthy waterway strategy; • water supply network; and • water network system performance. 	Hydra	Link	Yes
16.	Vicmap Transport	Vicmap Transport provides an accurate representation of the Victorian transport network at a scale ranging from 1:2,500 to 1:25,000. It can be used in a variety of applications: emergency services, natural resource management, planning and development and digital map publications. Note: cross-border data is not updated regularly.	Transportation	Link	Yes
17.	Vicmap Elevation DTM 10 m	Vicmap Elevation DTM 10 m is a raster representation product of Victoria's elevation with a resolution of 10 m. The DTM is hydrologically enforced and correctly defines the natural surface drainage and hydrological flow.	Elevation	Link	Yes
18.	Vicmap Property – parcel map polygons	Vicmap Property contains information about Victoria's land parcels. Note: this layer should be used in conjunction with the other layers and aspatial tables that make up Vicmap Property Simplified.	Property	Link	Yes
19.	Vicmap Address	Vicmap Address is Victoria's authoritative geocoded database of property address points. The data includes locational property address identifiers assigned by local government. Vicmap Address is jointly maintained with Vicmap Property.	Spatial	Link	Yes

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20.	Vicmap Admin	<p>This dataset series contains polygon features delineating key Victorian administrative boundaries.</p> <p>It comprises several datasets and is part of the Vicmap suite of products, including:</p> <ul style="list-style-type: none"> • local government area boundaries; • locality boundaries; • postcode boundaries; • parish boundaries; • township boundaries; • Victorian lower and upper house electoral boundaries 2013; • ward boundaries; • Victorian government regional departmental boundaries; • Department of Environment, Land, Water and Planning; • Country Fire Authority (CFA) district boundaries; • CFA region boundaries; • CFA Total Fire Ban Districts; and • Metropolitan Fire Brigade. 	Spatial	Link	Yes
21.	Vicmap Crown Land Tenure Basic	<p>Vicmap Crown Land Tenure is a statewide dataset series that plays a key role in the management of Victoria's Crown land. It was created (June 2003 – Feb 2004) from migrating LCMP layers into the Vicmap structure.</p> <p>Datasets in the series are listed below.</p> <ul style="list-style-type: none"> • tenure polygons and descriptors as per Crown Land Management – Vicmap Crown Land Tenure (Basic); and • government roads as per Crown Land Management – Vicmap Crown Land Tenure. 	Spatial	Link	Yes

No.	Name/ source	Description	Category	Link/URL	Geolocated?
22.	Vicmap Elevation – contours	<p>This dataset contains topographical relief features represented by lines and points. It is a combination of a number of data sets that were a part of VicMap Digital Topographic.</p> <p>Data in the series includes:</p> <ul style="list-style-type: none"> • contour 1:25,000 – Vicmap Elevation; • ground surface point 1:25,000 – Vicmap Elevation; • ground type point 1:25,000 – Vicmap Elevation; • ground type area (centroid) 1:25,000 – Vicmap Elevation; • ground type area (line) 1:25,000 – Vicmap Elevation; • ground type area (Polygon) 1:25,000 – Vicmap Elevation; • morphology line 1:25,000 – Vicmap Elevation; and • morphology point 1:25,000 – Vicmap Elevation. 	Elevation	Link	Yes
23.	Vicmap Features of Interest	<p>Vicmap Features of Interest contains a series of datasets, including:</p> <ul style="list-style-type: none"> • hydrographic labels – Vicmap Features of Interest; • relief labels – Vicmap Features of Interest; • register of geographic names – Vicmap Features of Interest (GNR); • built up area – Vicmap Features of Interest; • building point; and • building poly. 	Spatial	Link	Yes
24.	Geomark	<p>This dataset series contains a range of currently and prospectively named Victorian topographic features.</p> <p>It includes: rivers, water bodies, transport (excluding roads) and geographic features.</p>	Spatial	Link	Yes

No.	Name/ source	Description	Category	Link/URL	Geolocated?
25.	3D geological model of Victoria 2011	This 3D model of Victoria includes more than two decades of modern and world class surface geological mapping supported by comprehensive regional scale airborne magnetic and radiometric surveys, ground gravity surveys and seismic surveys. Combined, these datasets provide users with an unprecedented view and details of the full thickness of the Victoria's 'crust'.	Spatial	Link	Yes
26.	Geo-physical data packages	This geophysical data package includes the following: <ul style="list-style-type: none"> • airborne geophysical data; • total magnetic intensity data; • radiometric data; • electromagnetic data; • digital terrain model data; and • gravity data. 	Spatial	Link	Yes
27.	Geo-scientific data packages	This geoscientific data package includes the following: <ul style="list-style-type: none"> • Victoria – GIS Data 2010 -- ESRI edition; • Victoria – GIS Data 2010 – MAPINFO edition; • Victoria – Geoscientific Databases 2010; and • Victoria – Seamless Geology 2014. 	Spatial	Link	Yes
28.	Open file mineral tenement data packages	These packages contain 47 years of exploration data across the State. They enables users to access over 5,700 reports from 1,641 exploration licences.	Earth resources	Link	Yes
29.	TAC Road Trauma Statistics	This dataset includes information about traffic accidents as compiled by the TAC. It includes: <ul style="list-style-type: none"> • fatalities from 1987; and • claims made from 2000. Results can be filtered by criteria, including: date and crash type, individual characteristics and injured, age and gender.	Transportation	Link	No

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30.	Victorian Serious Road Casualties (TAC)	This dataset includes information about claims made from individuals injured in transport accidents in Victoria. The claims are from individuals admitted to hospital within seven days of crash as well as flags for acute hospitalisations (more than 14 days).	Transportation	Link	No
31.	MMBW plans	<p>The Melbourne and Metropolitan Board of Works (MMBW) plans were produced from the 1890s to the 1950s. They were crucial to the design and development of Melbourne's sewerage and drainage system.</p> <p>The plans, at a scale of 1:480, provide a detailed historical record of Melbourne streetscapes and environmental features. MMBW plans and assets can be viewed online covering one or two street blocks and includes details of buildings, garden layouts, ownership boundaries, and features such as laneways, drains, bridges, parks and municipal boundaries.</p>	Spatial	Link	Yes
32.	ABS Census DataPacks and GeoPacks	<p>DataPacks: ABS provide access to a total of five datasets including:</p> <ul style="list-style-type: none"> • general community; • Aboriginal and Torres Strait Islander people; • time series; • place of enumeration (additional); and • working population. <p>GeoPackages: includes data from the 2016 Census DataPacks aligned with boundary data from the 2016 Australian Statistical Geography Standard (ASGS).</p>	Spatial	Link	No

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33.	EPA Victoria and EPA AirWatch	<p>EPA Victoria provide access to the AirWatch API – information about air quality from both long-term (fixed) and incident air monitoring sites.</p> <p>EPA also provide up to date, and historical access to the following information:</p> <ul style="list-style-type: none"> • air; • climate change; • land and groundwater; • noise; • odour; • waste; and • water. 	Environment	Link Link	Yes
34.	Biodiversity NatureKit Interactive Map-Victoria	<p>The Biodiversity Interactive Map is an easy to use tool to display and produce maps of Victoria’s biodiversity, native vegetation, flora and fauna data. The map includes information on Victoria’s:</p> <ul style="list-style-type: none"> • flora and fauna distribution; • native vegetation; • investment prospects; • marine bathymetry and habitat; • disturbance; and • land administration and classification. 	Biodiversity	Link	Yes
35.	Public Transportation Victoria	<p>PTV has several datasets available to the public, including:</p> <ul style="list-style-type: none"> • general transit feed specification (GTFS); • timetable API; • train corridor and tram track centreline; • metro and regional train station; • train station bike storage, car parks, and platforms; • metro and regional tram route and stops; • metro and regional bus route and stops; and • SkyBus routes and stops. 	Transportation	Link	Yes

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36.	Water Measurement Information System (WMIS)	<p>The surface water and groundwater data contained in WMIS is collected through the Regional Water Monitoring Partnerships. There are currently 41 organisations within these Partnerships, covering DELWP, Bureau of Meteorology, Murray Darling Basin Authority, water corporations, catchment management authorities and local government councils.</p> <p>WMIS is the primary access point to search, discover and download surface water (water level, flow and water quality) and groundwater (water level and water quality) monitoring data. WMIS now contains real time data (less than one hour old) for all telemetered surface water gauges and groundwater bores. It also includes information about:</p> <ul style="list-style-type: none"> • rivers and streams; • state observation bore network; and • groundwater. 	Hydra	Link	Yes
37.	Waterwatch Victoria	<p>Waterwatch provides data to assist in the management of Victorian waterways. Community monitors are the eyes and ears of the catchment and help fill important monitoring gaps.</p> <ul style="list-style-type: none"> • Waterwatch database; and • Waterwatch interactive map. 	Water	Link	Yes

No.	Name/source	Description	Category	Link/URL	Geolocated?
38.	Health collect	<p>The Department of Health and Human Services Health Data Standards and Systems (HDSS) unit provides standards, specifications and data quality processes for the following health data collections:</p> <ul style="list-style-type: none"> • Victorian Admitted Episodes Dataset (VAED); • Victorian Emergency Minimum Dataset (VEMD); • Elective Surgery Information System (ESIS); • Agency Information Management System (AIMS); • Victorian Integrated Non-Admitted Health Dataset (VINAH); • F1 data collections; and • Victorian Cost Data Collection (VCDC). 	Health	Link	No
39.	OpenStreet Map	OpenStreetMap is built by a community of mappers who contribute and maintain data about roads, trails, cafés, railway stations, and much more, all over the world	Spatial	Link	Yes
40.	Google Maps API picker	<p>The API picker lists the most common things you may want to do on a map or with location-based data and suggests the API that best suits your needs, including:</p> <ul style="list-style-type: none"> • show public transport routes on a map; • show cycle routes on a map; • show current traffic conditions on a map; and • find the maximum zoom level for satellite imagery at a specific location. 	Spatial	Link	Yes

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Accessibility

This document is available in PDF and Word format on the internet
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