

# Spatial Data Description

## VPA's Precinct Boundaries

Including the Greenfield Precinct Structure Plans

## Document Control

Date	Version	Author	Nature of Change
January 2016	v1.0	Jamie Sheehan	Initial document
August 2016	v2.0	Jamie Sheehan	Rebranded to VPA Minor updates to data values table
December 2016	v3.0	Jamie Sheehan	Inclusion of Road Centreline data structure
June 2020	v3.1	Jamie Sheehan	Minor updates to data values table New attribute added to FUS LandUse table
May 2021	v4.0	Jamie Sheehan	Updated data format for PSP Boundaries
January 2022	V5.0	Jamie Sheehan	Updated with the inclusion of Regional & Urban Renewal Precinct Boundaries

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## Description

The Victorian Planning Authority has released three spatial datasets. The first dataset, '*Precinct Boundaries*' includes boundaries of all **completed** and **current** precincts (Greenfield, Regional and Urban Renewal), as well as **future** Greenfield PSPs. The other 2 layers relate specifically to Melbourne's Greenfield Precinct Structure Plan areas, these are '*FUS LandUse*' and '*Road Centrelines*'

### Precinct Boundaries

The declared growth areas of Melbourne have been divided into 110+ precincts, each of which will have a Precinct Structure Plan (PSP) completed to help guide the development of new residential and commercial areas. The *Precinct Boundaries* Layer contains the boundaries of each of these precincts. In addition, we have now added the Boundaries for all Regional & Urban Renewal Precincts that are completed, or actively being worked on by the VPA.

### 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 (also now known as a 'Place Based 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 on the VPA website or from the relevant municipality.

The Victorian Planning Authority's (VPA's) *FUS LandUse* data has been generated by amalgamating individual PSP data. Various PSPs have been generated over many years and by different organisations and processes. This FUS data is therefore a simplified combination of data that originally comprised different formats and structures.

The VPA's *FUS LandUse* data has no official status and is provided solely to assist in land use planning in areas within or adjacent to areas with completed PSP, and should be treated as having been provided for general information purposes only. If accurate information is required, the reader is directed to the information contained within the relevant individual official Planning Scheme, Planning Scheme Amendment and Precinct Structure Plan.

### Road Centrelines

The *Road Centreline* data has been generated by amalgamating individual PSP data. As with the FUS LandUse data, these PSPs have been produced over a number of years by different organisations and evolving processes. The resulting road centreline data has been derived from various sources and formats with the VPA's best efforts to create a representative standardised dataset.

As with the FUS LandUse data, the *Road Centreline* data has no official status and has been created purely to assist in the planning of areas within or adjacent to PSPs. For the official gazetted information, users should refer to the approved PSP .pdf documents available on the VPA website or from the relevant municipality.

## Data Format

ESRI Shapefile – Polygon (PSP Boundaries, FUS LandUse)

ESRI Shapefile – Polylines (Road Centrelines)

## Co-ordinate Reference System

Map Grid Australia (GDA2020), zone 55

(When downloaded from ArcGIS Online, the CRS of the data is WGS84).

## Geographic Extents

Victoria

## Data Scope

The *Precinct Boundaries* layer contains all PSPs across Melbourne's Growth Areas (Completed, Current and Future). It also now includes other precincts that VPA are actively involved in working on across Regional and Established Melbourne (Urban Renewal sites).

The *FUS LandUse* layer extends only to Approved PSP areas. PSPs at draft or exhibition stage are not included. Currently the FUS spatial data only includes the planned land-uses in polygon format.

Other contextual features (buffer lines, point features, labels) shown in the FUS plans are not included.

The *Road Centreline* layer is currently a work-in-progress, with the eventual aim to include all Approved PSP areas. Currently the majority of PSPs completed in the South-East corridor have been included as well as recently approved PSPs.

## Geometry Validation

*Greenfield PSP Boundaries* should not overlap (there is the odd exception where a later PSP has overlapped with a previously completed PSP to revise a small area in line with the overall future plan). Other VPA precinct boundaries can and do overlap, depending on the final planning output of a project (for example a Framework Plan may be followed up with a more detailed Precinct Structure Plan and the boundaries may fully or partially overlap.)

All areas within a PSP boundary should be allocated a *FUS LandUse*. There should be no gaps and no overlaps between *FUS LandUse* polygon features.

*Road Centrelines* should be 'snapped' at intersections (with the exceptions of off-road paths). Where possible they should snap to existing road centrelines outside the PSP area, however sometimes due to planned road-width changes this is not feasible. Existing roads are included in the data where they play a significant role or have planned improvements.

## Data Structure

### Precinct Boundaries

FIELD NAME	FIELD TYPE/SIZE	NULL	DESCRIPTION	EXAMPLE
VPA_NO	Numeric (10,1)	N	Unique Project number that identifies precinct	1091.0
PSP_NAME	Character (254)	N	The name of the Precinct	Riverdale
PRJ_CAT	Character (254)	N	The project category <i>Allowed values: Greenfield, Regional, Urban Renewal</i>	Greenfield
PRJ_TYPE	Character (254)	N	The project type (may include more than one) <i>Allowed values: see Project Type Values table</i>	Precinct Structure Plan
SUBREGION	Character (254)	N	The SubRegion as shown in Plan Melbourne <i>Allowed values: Western, Northern, Southern, Inner Metro, Inner South East, Barwon, Central Highlands, Gippsland, Goulburn, Great South Coast, Loddon Campaspe, Mallee, Ovens Murray, Wimmera Southern Mallee.</i>	Western
LGA	Character (254)	N	The Local Government Area(s) the PSP covers <i>Allowed values: any Victorian LGA name.</i>	Wyndham
LEAD_AGE	Character (50)	N	The agency leading the planning process <i>Allowed values: VPA, Council (or other department/agency)</i>	VPA
WEB_URL	Character (254)	Y	URL address of the webpage for the precinct	
STATUSCODE	Integer	N	A coded value representing the current Status. <i>Allowed values: 1, 2, 3, 4</i>	4
STATUS_DESC	Character (50)	N	A description representing the Status Code <i>Allowed values: Unprogrammed, Pre-Commencement, Under Preparation, Completed</i>	Completed
GAZ_DATE	Date	Y	The date the PSP was gazetted (completed projects only)	25/1/2019
AREA_HA	Numeric (10,1)	N	The area of the precinct in hectares	246.8

## FUS LandUse

FIELD NAME	FIELD TYPE/SIZE	NULL	DESCRIPTION	EXAMPLE
LU_ID	Character (20)	N	Unique Identifier for polygon object	1091-123
LU_CLASS	Character (50)	N	1st Tier Classification breakdown <i>Allowed values: see Land Use Data Values table</i>	Transport
LU_TYPE	Character (50)	N	2nd Tier Classification breakdown <i>Allowed values: see Land Use Data Values table</i>	Arterial Road
LU_SUBTYPE	Character (50)	N	3rd Tier Classification breakdown <i>Allowed values: see Land Use Data Values table</i>	Existing Road Reserve
EXISTING	Character (1)	N	Denote existing facilities/land uses <i>Allowed values: Y, N</i>	Y/N
ASSET_ID	Character (20)	Y	A text link to reference GIS records to various tables in the PSP document, such as Open Space, Road Projects, Community Infrastructure and Water Management. Should be unique within a PSP. Only complete for more recent PSPs.	RD01 or IN05
CHARGEAREA	Character (20)	Y	Division for Residential or Employment Charge areas for the purposes of Land Budget Calculations. Potential to expand use under ICP provisions if required. <i>Allowed values: Residential, Employment</i>	Residential
COMMENTS	Character (100)	Y	Free text as required, can be used to further differentiate areas or note source of object shape	
LEGEND_TXT	Character (100)	N	The text as per the legend in the published FUS plan	Future Government School
PSP_NO	Number (10,1)	N	PSP number	1091.2
PSP_DATE	Date	N	Date of PSP Gazettal	11/09/2011
AREA_HA	Number (20,6)	N	The area in hectares	3.500000
LEGEND_CAT	Character (80)	N	An additional category to aid users in the display of data as per simplified FUS data rules. A single field rather than needing to combine Category, Type and Subtype. For a single PSP, 'LEGEND_TXT' would better match the FUS as per the published document, but 'LEGEND_CAT' helps to provide a standardised view across multiple PSPs.	other uncredited open space

## Road Centrelines

FIELD NAME	FIELD TYPE/SIZE	NULL	DESCRIPTION	EXAMPLE
ROADTYPE	Character (50)	N	Road Type according to FUS plan. See Road Type table for allowed values.	<i>Connector Road</i>
BUSCAPABLE	Character (5)	N	Indicates whether the road forms part of the planned bus network, as per the Public Transport plan. <i>Allowed values: Yes, No, PPTN.</i>	<i>Yes</i>
ARROWEND	Character (11)	N	For graphical purposes only. <i>Allowed values: Start, End, Start &amp; End, None.</i>	<i>Start</i>
RDWIDTH	Number (4,1)	Y	The full width (in metres) of the road casement, as per the Cross-Section, including any paths or nature-strip plantings specifically included in the allocated road transect. <b>Not required for off-road paths.</b>	<i>25.0</i>
ORBIKELANE	Character (20)	Y	Indicates the presence of dedicated ON-ROAD bike lanes. 'Additional lane width to allow safe-sharing of road with bicycles' is NOT considered to be an on-road bike lane. Bike lane is to be at the same level as vehicle lane, if separation has been provided for, it should be considered 'off-road'. <i>Allowed values: Yes, No.</i> <b>Not required for off-road paths.</b>	<i>Yes</i>
SHAREDPATH	Character (20)	Y	Indicates the presence and side of any planned shared paths within the allocated road cross-section. (based on the direction of road centreline digitising). If the path is not within the road cross-section, instead within adjacent open space areas, it should be included as a separate feature. <i>Allowed values: Left, Right, Both, None.</i> <b>Not required for off-road paths.</b>	<i>Both</i>
BIKEPATH2W	Character (20)	Y	Indicates the presence and side of any planned 2-way bike paths within the allocated road cross-section. (based on the direction of road centreline digitising). If the path is not within the road cross-section, instead within adjacent open space areas, it should be included as a separate feature. <i>Allowed values: Left, Right, Both, Both (1-way), None.</i> <b>Not required for off-road paths.</b>	<i>Left</i>
PSP_NO	Number (10,1)	N	The PSP Number.	<i>25.2</i>
XSECTION	Character (200)	Y	Free text reference to the number and/or name of the cross-section in the published PSP document. <b>Not required for off-road paths.</b>	<i>Connector Road – Boulevard (31m)</i>
ROADNAME	Character (80)	Y	Text field for noting any existing or known future road names, to assist with labelling etc.	<i>Sunbury Road</i>

## Data Values

### Status Coded Domain

STATUSCODE	DISPLAYS AS	Description
1	<i>Unprogrammed</i>	<i>Not currently on the VPA work program</i>
2	<i>Pre-Commencement</i>	<i>On the VPA work program and in early scoping stages</i>
3	<i>Under Preparation</i>	<i>Precinct is being prepared for an amendment.</i>
4	<i>Completed</i>	<i>Precinct has been completed and the amendment approved and gazetted.</i>

### Project Type

PRJ_TYPE	Description
Precinct Structure Plan	
Site Specific Amendment	
Development Contributions Plan	
Infrastructure Contributions Plan	
Framework Plan	
Guidelines	
Growth Plan	
Investigation Area	
Investment Case	
Implementation	
Master Plan	
Management Plan	
Review	
Structure Plan	
Not applicable	
Comprehensive Development Plan	

### Road Type

ROADTYPE	Description
Access Street (Level 1)	<i>Local Access Streets (typically 13-16m) key to PSP design, often at interface to key areas (open space, rail lines, etc). Not every future local access street will be shown.</i>
Access Street (Level 2)	<i>Local Access Street (typically 20m) key to PSP design. Not every future local access street will be shown.</i>
Key Local Access Street	<i>Other Access Streets key to the design of the PSP</i>
Connector Street	<i>All planned connector street (typically 25m) within the PSP</i>
Connector Street - Boulevard	<i>A specific type of connector street with increased road tree-plantings (typically 28-31m)</i>
Connector Street – Town Centre	<i>A specific type of connector street through Local/Major town centres</i>
Arterial Road (4 lane)	<i>A designated future Arterial Road which may have interim design (typically 34m)</i>
Arterial Road (6 lane)	<i>A designated future Arterial Road which may have interim design (typically 41m)</i>
Freeway	<i>A freeway (usually existing).</i>
Off-Road Shared Path	<i>Off-road shared path connections, typically through open space. NOT within adjacent road reserves.</i>
Off-Road Bike Path	<i>Off-road dedicated bike-path connections, typically through open space. NOT within adjacent road reserves.</i>



Land Use (Class / Type / SubType)

LU_CLASS	LU_TYPE	LU_SUBTYPE	Description
Transport	Arterial Road	Existing Road Reserve	Any existing road reserve to be used for future/current arterial road
		Public Acquisition Overlay	Widening/Intersections/New Road/Rail covered by a PAO (existing or planned)
		Widening/Intersection Flaring	Other arterial road widening not under a PAO (often DCP land)
		Future Arterial Road	Used where the entire future arterial road is new (not just widening of existing road). Also used for past precincts where existing reserve/widening was not differentiated.
		Grade Separation	Areas required for grade separation
		Tree Reserve Abutting Road Reserve	Additional 'green' buffer along a road, outside of road reserve cross-section generally for the purpose of additional tree planting
	Non-Arterial Road	Tree Reserve Abutting Road Reserve	Additional 'green' buffer along a road, outside of road reserve cross-section generally for the purpose of additional tree planting
		Widening/Intersection Flaring	ONLY to be used for Non-Arterial Roads that are being included as a DCP/ICP Item. The intersection of a <b>Non-Arterial</b> road to an <b>Arterial</b> road should still be put under 'Arterial'. Eg. Exceptions to the standard approach where only Arterial Roads are DCP/ICP funded and all others are at the cost of developers (generally Regional/Urban Renewal Projects)
		Existing Road Reserve	Existing road reserve that is not available for development (ie. Being retained as a local/connector road). Future local/connector roads form part of developable land
	Rail	Existing Rail Reserve	Existing rail corridor land
		Public Acquisition Overlay	Future rail reserve covered by a PAO
		Future Rail Reserve	Land set aside for future/proposed rail reserve
		Grade Separation	Areas required for rail/road grade separation
Transport Hub		Land set aside for Stations, Station Car Parks, etc	
Education/Community/Government	Community Facilities	Community Facilities	
		Indoor Recreation	
	Education	Government School	Proposed and Existing Government Schools
		Non-Government School	Proposed and Existing Non-Government Schools
	Government Services	Emergency Services	eg. CFA, MFB, SES, Police, Ambulance
Other Government		eg. Health Centre, Justice, etc	
Uncredited Open Space	Conservation	Conservation	Used in past precincts where the reason for conservation has not been specified. Can be used for 'local' conservation or to separate areas of conservation that are otherwise not listed below, if so use comments to specify reason
		Growling Grass Frog (BCS)	
		Nature Conservation (BCS)	
		Open Space (BCS)	

		Golden Sun Moth	
		EPBC Flora	
		Retained Native Vegetation	
		Retained Exotic Vegetation	
	Heritage	(Heritage)	<i>Only used for past precincts where the Heritage reason was not specified</i>
		Aboriginal	
		Post Contact	
Cemetery	Cemetery/Memorial Park		
	Drainage	Waterways	<i>May included some retarding basin/WQT areas where they have not been separated from waterways</i>
		Waterway within Conservation	
		Retarding Basin/WQT Wetland within Conservation	
		Retarding Basin/WQT Wetland	
		Reservoir Buffer	
	Utility Easement/Corridor	Gas/Oil	
		Electricity	
		Water/Sewer	
	Existing Open Space	Local Park	<i>Existing Local Park (eg. already council owned land) that should not be credited</i>
		Local Sports Reserve	<i>Existing Local Sports Reserve (eg. already council owned land) that should not be credited</i>
	Other	Crown Land	<i>Designated Crown land with no other specific future use</i>
		Fire Management	<i>Fire Management buffers</i>
		Landscape Values	<i>Land being retained as Open Space (not credited) for reasons such as slope, etc.</i>
		Redundant Road Reserve	<i>Existing road reserves that are no longer required for a road and will be used for an open space function such as linear trail (not credited)</i>
Credited Open Space	Local Open Space	Local Park	<i>Local parks</i>
		Local Sports Reserve	
		Urban Plaza	<i>Local sports reserves</i>
Regional Open Space	Metropolitan	State Metropolitan Park	<i>State Acquisition/management</i>
	Municipal	Municipal Park	<i>Council acquisition/management</i>
		Municipal Sports Reserve	<i>Council acquisition/management, may include public golf courses</i>
Other Non-Developable Land	Utility Facility	Gas/Oil	
		Electricity	
		Water/Sewer	

	Existing Developed Land	Communications	
		Residential/Mixed Use	<i>Land that is already developed and being considered for future development</i>
		Employment	<i>Land that is already developed and being considered for future development</i>
	Private Recreation Facility	Extractive Industries	<i>Eq. Quarry</i>
Developable Area - Residential	Residential	Residential	<i>General 'Residential' category used when the density has not specifically been identified</i>
		Conventional Density Residential	<i>Only used if the Density has been specified</i>
		Low Density Residential	<i>Only used if the Density has been specified</i>
		Medium Density Residential	<i>Only used if the Density has been specified</i>
		High Density Residential	<i>Only used if the Density has been specified</i>
	Mixed Use	Mixed Use	<i>Mixed Residential/Commercial areas</i>
	Town Centre	Local Convenience Centre	
		Local Town Centre	
		Major Town Centre	
(Non-Arterial Road)	(Future Local Road Network)	<i>Used for past precincts where the future local street network was digitised/separated from other developable land. Normally included in the adjacent Residential/Employment developable land areas</i>	
Developable Area - Employment	Commercial	Office	
		Business	
		Small Local Enterprise Precinct	
		Retail	
		Health	
	Industrial	General Industrial	<i>Industrial Zone 3: Includes light Industrial / Office Park and unspecified Industrial areas</i>
		Medium Industrial	<i>Industrial Zone 1: Areas specifically designated as Medium Industrial</i>
Heavy Industrial		<i>Industrial Zone 2: Areas specifically designated as High Industrial</i>	
Other	Investigation Area	Investigation Area	

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