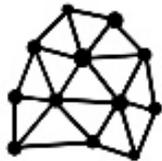


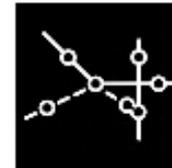
Spatial Metadata – Victorian Government

Department of Environment, Land, Water and planning



Tell me which Data Elements are most critical

Help me understand & enforce business & technical rules



Tell me where this value originated & where it goes



Help me understand the context & meaning of my data



Provide me with rich & interactive visualisations rather than long policies that sit on shared drives...



Tell me to which level standards & policies are adhered to and help me



Tell me which people, processes & IT components are impacted by an IT event

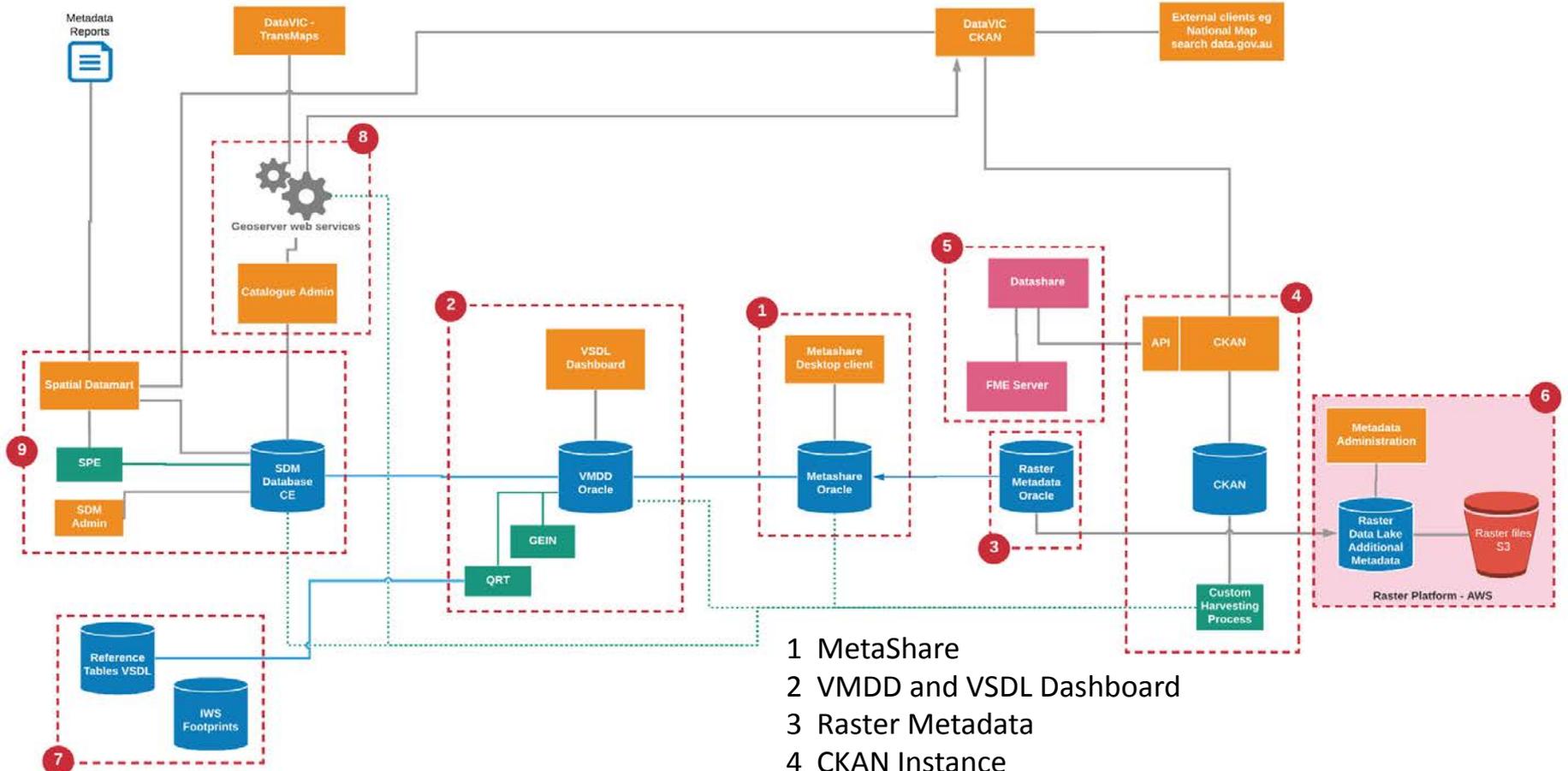
Spatial MetaShare 5.1.3

- MetaShare has been around for about 25 years
- Originally a Sybase database
- Converted to a Windows application with an Oracle database March 2015
- ISD with Cenitex load and administer the application
 - Cenitex adds the application to the computer assigned
 - ISD managers assign user credentials
 - ISD managers educate and support custodians
 - Supports only vector data (delivery)
 - Limited support for raster records
- The conversion was quick and inexpensive
 - Lost functions from the Sybase application
- Its structured, maintained by custodians, administered by ISD
 - The updates are ad-hoc
 - Administrators monitor as much as they can and when they are told of any updates and changes
 - Most custodians know the system well and manage without much guidance.
- Most of the users / custodians are DELWP internal
- The application can only be accessed within the DELWP firewall
- Metadata is crucial to the Search, Discovery and Delivery of data

Metadata: Product Description

<u>Term</u>	<u>Definition</u>
ANZLIC ID	A unique identifier enabling metadata records to be discovered and differentiated within a structured data library.
Attribute	A characteristic of a feature that may occur as a type or an instance.
Custodian	An organisation responsible for ensuring the accuracy, currency, distribution of their data and the terms and conditions of access and use.
Data type	Specification of a value domain with operations allowed on values in this domain Refer to AS/NZS ISO 19103
Dataset	Identifiable collection of data. Maybe as small as a single feature or feature attribute contained within a larger dataset. A hardcopy map maybe considered a dataset. Refer to AS/NZS ISO 19115
Domain	A well-defined set both necessary and sufficient, as everything that satisfies the definition in the set and everything that does not satisfy the definition is necessarily outside the set. Refer to ISO/TS 19103
The Department	Meaning the Department of Environment, Land, Water & Planning (DELWP).
Entity	A unit of data that can be classified and have stated relationship with other entities.
Feature	An abstraction of real-world phenomena. A feature may occur as a type or an instance. Feature type or instance shall be used when only one is meant. The feature structure of the feature based data model can be summarised as: feature instance = [spatial object + attribute object]
Metadata	Metadata is 'data about data' and provides a synopsis about the data lineage, accuracy and details about access permissions. Refer to ISO 19115 Geographic information — Metadata
Persistent Feature Identifier (PFI)	The unique code provide at creation of the feature which remains until the feature is retired.
Product	Dataset or dataset series that conforms to a data product specification.
Quality	Totality of characteristics of a product that bear on its ability to satisfy stated and implied needs. Refer to: ISO 19113 Geographic information — Quality principles ISO 19114 Geographic information — Quality evaluation procedures
The State	Victoria.
Unique Feature Identifier (UFI)	Each feature is uniquely identified and renewed with each change.

DELWP Metadata Current State



- 1 MetaShare
- 2 VMDD and VSDL Dashboard
- 3 Raster Metadata
- 4 CKAN Instance
- 5 DataShare
- 6 Raster Platform
- 7 VSDL Reference Data
- 8 Web Services
- 9 Spatial Data Mart



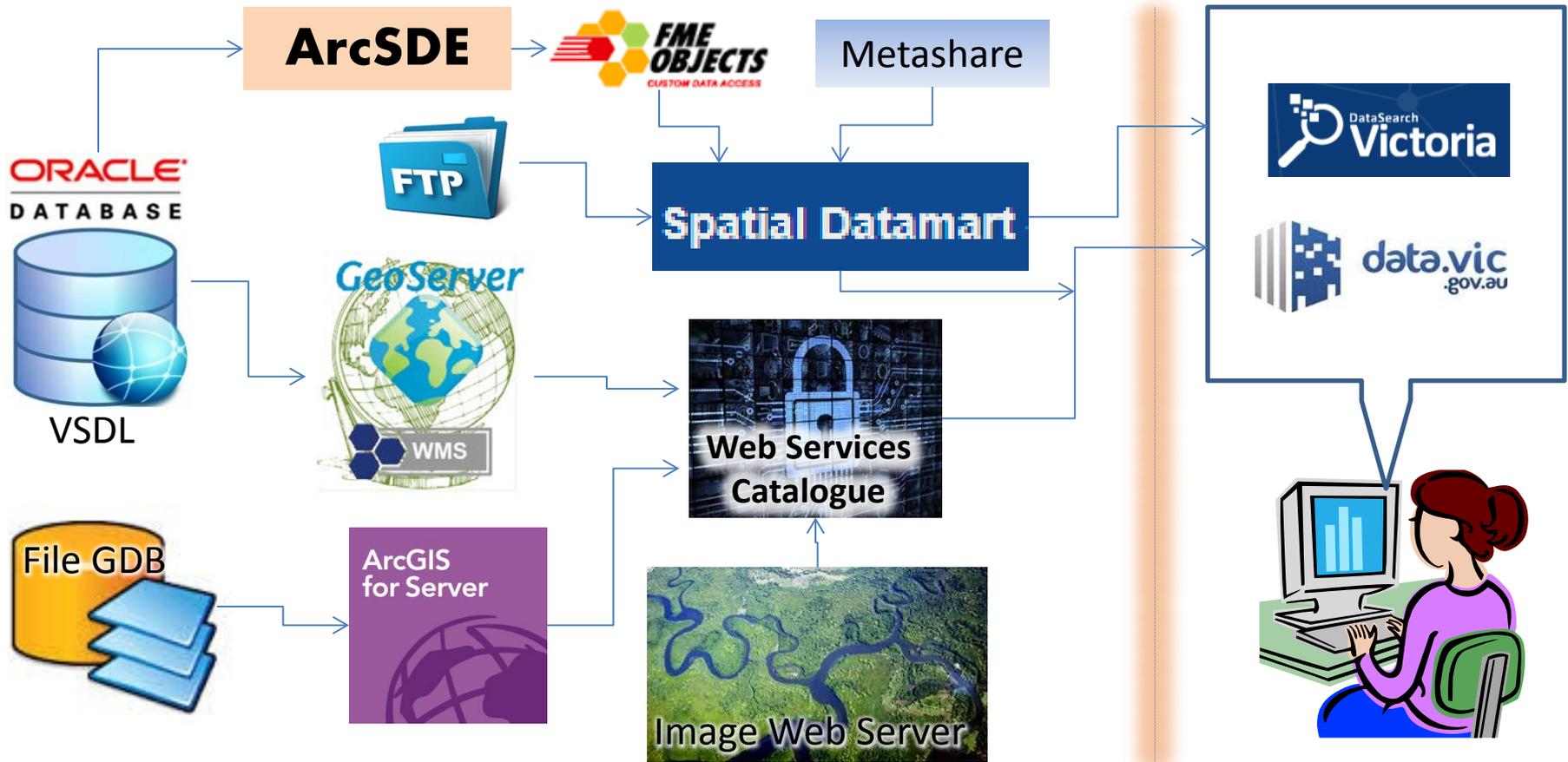
Replace MetaShare with GeoNetwork

- The most urgent requirement is to replace the MetaShare system in order to remove the dependence on deprecated desktop-based software and to implement a metadata system which complies with the current metadata standards
- GeoNetwork is an open source software package which supports the AS/NZS ISO 19115.1:2015 standard, the current standard endorsed by ANZLIC
- GeoNetwork differs from MetaShare in that the metadata records are stored in XML format rather than a set of relational database tables

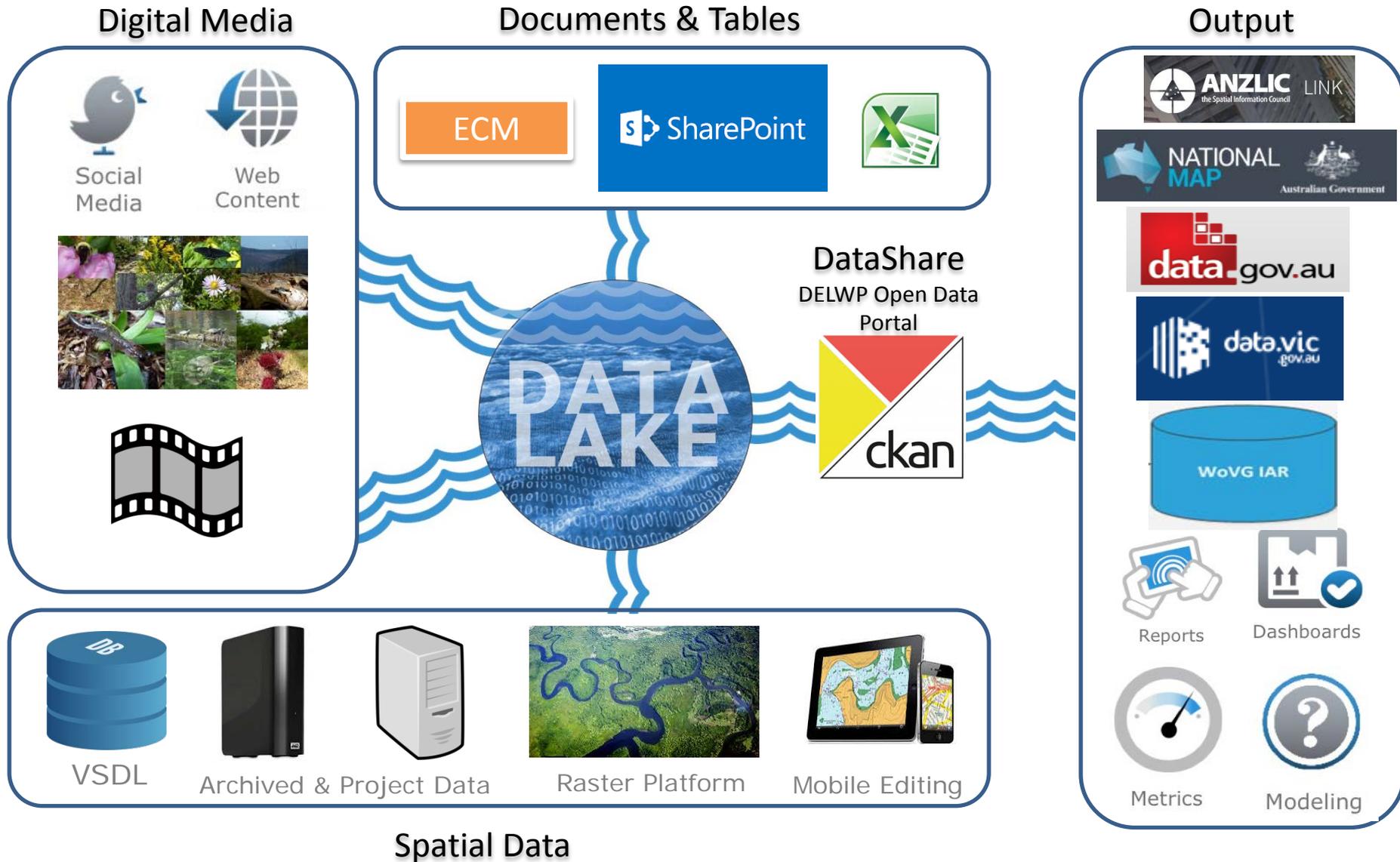
With some configuration, GeoNetwork will provide DELWP with:

- A repository for descriptive metadata
- A metadata management system which supports the uploading, entry and maintenance of metadata by metadata administrator(s) and custodians
- A metadata search portal which allows the discovery and viewing of metadata by DELWP staff and the public
- A security system which controls who can create and edit metadata and whether it can be found and viewed by the public or only by internal groups
- A metadata report which can be linked from MapShare or other applications
- The ability to make metadata available via a CSW service, allowing the metadata service to be federated with national and other metadata portals
- The ability to automatically harvest metadata records from a variety of other sources

DELWP Open Data Current State



DELWP Open Data Future State



Other Spatial Data

Metadata

- Spatial MetaShare 5.1.3 (approximately 5,000 descriptive records)
- Victorian Spatial Data Library Dashboard (spatial metadata)

Spatial Data

Name	Status	
Admin & Political Boundaries	Available	Edit
Agriculture & Farming	Available	Edit
Atmosphere & Climate	Available	Edit
Biology & Ecology	Available	Edit
Business & Economy	Deleted	Edit
Cadastral & Land Description	Available	Edit
Culture & Demography	Available	Edit
Elevation	Available	Edit
Environment	Available	Edit
Facilities & Structures	Available	Edit
Geological & Geophysical	Available	Edit
Health	Deleted	Edit
Imagery & Base Maps	Available	Edit
Inland Water Resources	Available	Edit
Location & GPS	Available	Edit
Military & Intelligence	Deleted	Edit
Minerals & Petroleum	Available	Edit
Oceans & Estuaries	Available	Edit
Recreation	Available	Edit
Transportation Networks	Available	Edit
Utility Networks	Available	Edit
Vicmap Planning	Available	Edit
Vicmap Products	Available	Edit
Vicmap Property datasets	Available	Edit
Vicmap Property Layers	Available	Edit
Vicmap Property tables	Available	Edit
Vicmap Transport datasets	Available	Edit
VMPROP map-polygons, Parcel and Property	Available	Edit

Environment	
Apiary Buffer Z	
Apiary manage	Minerals & Petroleum
Apiary manage	Geomark Index Extent
Apiary rights ai	Geomark Lir
Aquaculture lic	Geomark Po
Aquifer Salinity	Geomark Po
Aquifer Salinity	Geomorphol
Arc/info library	Geophysical
Arc/info library	Geophysical
Archaeological	Geophysical
Archive of Cont	Geophysical
Archive of Depi	Geophysical
Archived Copy	Geophysical
Areas closed to	Geophysical
Areas excluded	Geophysical
Areas of Cultur	Geophysics
Areas of Cultur	GeoScience
Areas of high-r	GeoScience
Areas of Strate	Geothermal
Aspatial Table	Geothermal
Aspatial Table	Giant Trees
Aspatial Table	GIPPSLAND
Aspatial Table	GIPPSLAND
Aspatial Table	GIPPSLAND
AUSLIG 18 sec	GIPPSLAND
AUSLIG 50m cr	GIPPSLAND
AUSLIG Hydrol	Gippsland Li
AUSLIG Hydrol	Gippsland Li
AUSLIG Road t	Gippsland Li
AUSLIG Road t	GIPPSLAND
Australian fur s	GIPPSLAND
Australian Mari	GIPPSLAND L
Australian Mari	Glenelg Hop
Australian Mari	Glenelg Hop
Australian Mari	Glenelg Hop
Australian Mari	Gold Nugges
Australian Mari	Gold Underc
Australian Mari	Gold Underc
Australian Mari	Government
Australian Mari	Gravity Rea
	Minerals & Petroleum
	Geomark Index Extent
	Utility Networks
	Rural Water Corporation Boundaries
	Rural Water Corporation Boundaries.
	Sabella distribution in 1994
	Salinity Provinces of Victoria
	Salvage and Translocation Protocol for the Biodiversity Conservation Strategy
	Sampling sites for microphytobenthos biomass within surface sediment
	Sampling sites for toxicants in bay sediments
	Sampling sites for toxicants in bay waters
	Sand Flat Head Management and Stock Assessment Program
	Sand Flat Head Management and Stock Assessment Program
	Sand Flat Head Management and Stock Assessment Program
	Scattered Tree Habitat Compensation for the Melbourne Strategic Assessment
	Scenic drive network within the East Gippsland Forest Management Area
	Seagrass coverage in Port Phillip Bay in 1947
	Seagrass coverage in Port Phillip Bay in 1957
	Seagrass coverage in Port Phillip Bay in 1968
	Seagrass coverage in Port Phillip Bay in 1978
	SEBAL-derived Annual Evapotranspiration (ET) 2007 to 2008
	Sectors and divisions recorded in Firemap Mapshare application.
	SEDCAM Instrumented Tripod
	Sediment Bores Free Air (FA) gravity
	Sediment in Port Phillip Bay
	Seismic 3D Survey Areas - for Petroleum Industry Exploration
	Seismic Cross Section Lines
	Seismic Survey Lines - for Petroleum Industry Exploration
	Seismic Survey Points - for Petroleum Industry Exploration
	Sensitive ridgelines within the East Gippsland Forest Management Area
	Sensitive view areas within the East Gippsland Forest Management Area
	SFRI Date of Photography boundaries
	SFRI Forest Resources and Environmental Dataset
	SFRI Forest Resources and Environmental Dataset (2007)
	SFRI Forest Resources and Environmental Dataset (2007) Growing Stock
	SFRI project aerial photo run centre points
	SFRImap Boundary 100k
	SFRImap Boundary 25k
	SFRImap Boundary 500k
	SFRImap Database (2007)
	SFRImap Database 2004
	Shallow Inlet Seagrass 1999
	Shallow Workings Polygons (1:100,000)

Current Delivery Method

- Welcome Page
- Search
- View Orders
- Download Orders
- Change Repeat Orders
- View My Details
- Log Out
- Bulletins
- Administration
- Extract Data
- Product Descriptions
- View Themes
- User Access
- Layer Configuration
- Product Exclusion

Order Details

Your order : 1 item

Vector Imagery Grid

● Area Type --Select an Area Type--

● Area Selected Area/s

Buffer Distance --Select Buffer Distance--

● Format --Select Format--

● Projection --Select Projection--

Order Frequency Once Repeat

Send order to SPE

You must click the Apply to All button to complete the order details below - before you click the Submit button



Order item 1 of 1

Product	Area	Format	Projection	Order Frequency	Delivery Method	Change / Remove
Beneficial Use - Middle Tertiary				Once		<input type="button" value="Modify"/> <input type="button" value="Remove"/>

Future Delivery Method

Environment, Land, Water and Planning

What we do ▾
Latest news ▾
Locations and contacts ▾

Search DELWP 🔍

Menu

← Back Home
My Cart
Sarah Derrick ▾

🔍 Search

Show all status types ▾

Order History

Showing 1–10 of 333 Orders for "Keyword" Most recent ▾

ORDER DATE	ORDER ID	STATUS	
21 December 2018	DA 154 8742 CH	Processing	View details
21 December 2018	DA 154 8742 CH	Processing	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
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21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details
21 December 2018	DA 154 8742 CH	Completed	View details

Close
Menu

Order ID: DA 154 8742 CH

Order date: 21 December 2018

● Status: Completed
3 x Datasets

Mallacoota Inlet Seagrass 1999

ID: ANZVI0803004103

RASTER

Projection: Geographicals on GDA94
 Buffer: XXX
 File Format: TIFF
 Colour: Black & White
 Resolution: 5000px

📄 Download Dataset

Mallacoota Inlet Seagrass 1999

ID: ANZVI0803004103

VECTOR

Projection: Geographicals on GDA94
 Buffer: XXX
 File Format: TIFF
 Colour: Black & White
 Resolution: 5000px

📄 Download Dataset

Mallacoota Inlet Seagrass 1999

ID: ANZVI0803004103

ASPATIAL

Projection: Geographicals on GDA94
 Buffer: XXX
 File Format: TIFF
 Colour: Black & White
 Resolution: 5000px

📄 Download Dataset

📄 Download all Datasets

DELWP general enquiries: 136 186 | Victorian Bushfire Information Line: 1800 240 667 | Local Government Switchboard: 03 9208 3333

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The End