NSW GOVERNMENT | Office of Environment & Heritage

Informed Solutions

SEED

Sharing and Enabling Environmental Data

Mapped Out Conference 2017

Introduction

NSW GOVERNMENT Office of Environment & Heritage

Informed Solutions

SEED Sharing and Enabling Environmental Data

An Australian first, SEED is an open, NSW whole-of-government portal providing a central, trusted source of Environmental Data for everyone from Community to Industry

2017 iAWARDS New South Wales iAward Winner

Growing SEED

NSW GOVERNMENT Office of Environment & Heritage

Informed Solutions

NSW GOVERNMENT Office of the Chief Scientist & Engineer

- Widespread **public concern** associated with major resource extraction across NSW
- Advocacy groups and the public were **asking for more information**

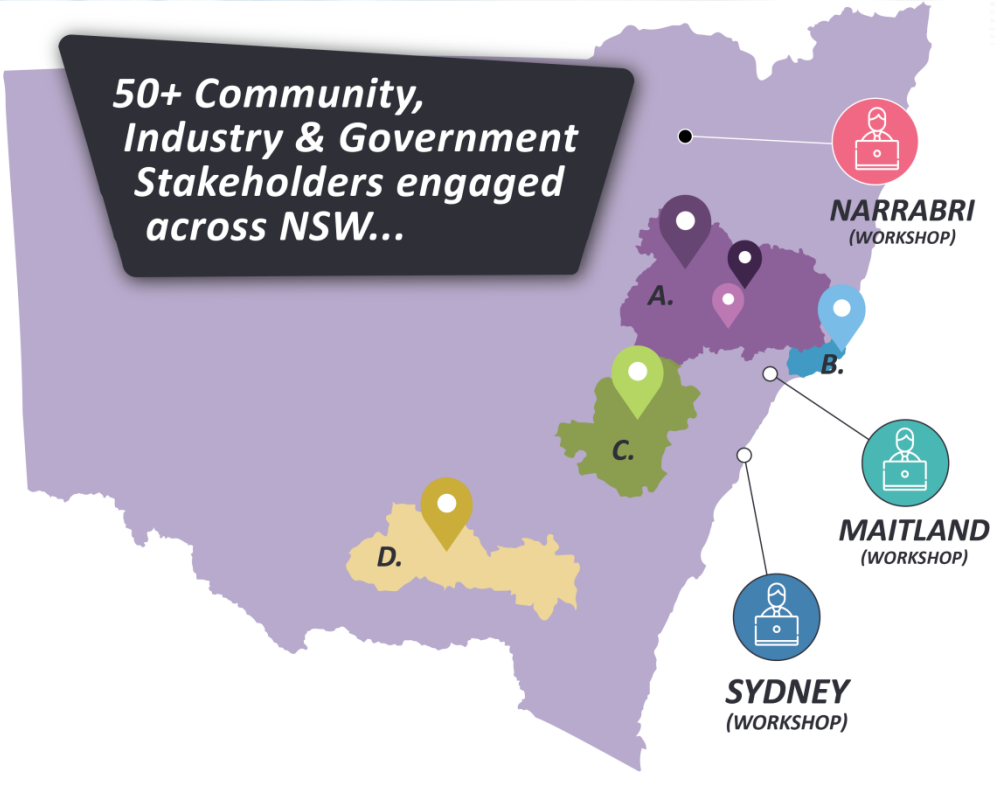
NSW GOVERNMENT RESPONSE

Whole-of-government **central, single, trusted** source of **environmental data for everyone**

User Research and Analysis

Regional areas represented in the workshops include:

- **A.** *Hunter Valley*
  - *Scone*
  - *Muswellbrook*
- **B.** *Shoal Bay*
- **C.** *Bathurst*
- **D.** *Wagga Wagga*



SEED Solution

SEED's innovative solution delivers:

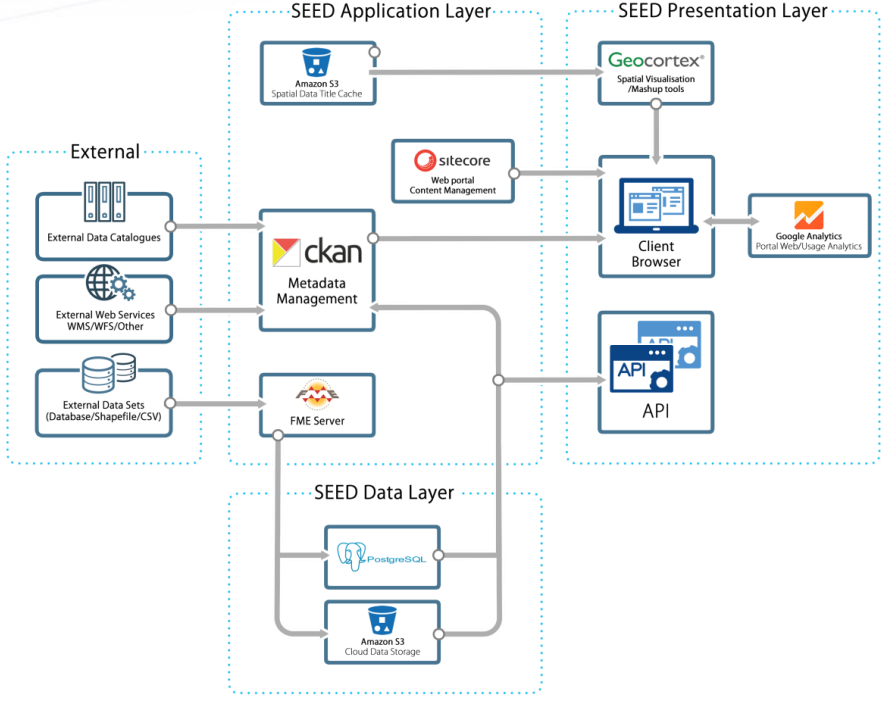
- ✓ A central trusted source of environmental data
- ✓ Scalable, secure, and resilient cloud architecture
- ✓ Intuitive, seamless user design

> *The beauty of this new initiative is that it makes all that **valuable** information available in a single online resource*

Hon. Anthony Roberts MP

SEED Solution

For the **first time in Australia**, 7 innovative technologies have been integrated into one platform

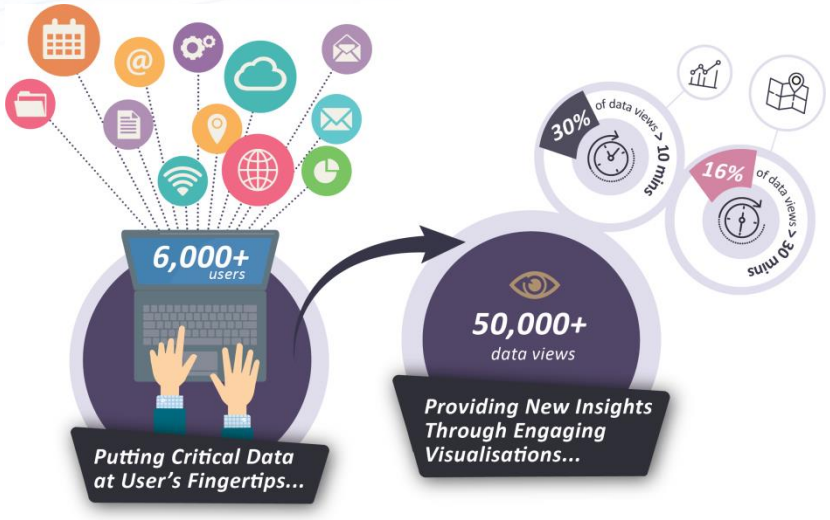


> *I found SEED Portal a **wonderful application** for scientists. Many distributed datasets of NSW are ultimately, **now at one platform**. Provided tools are also **very handy** and **useful***

Data Scientist

SEED and the GIS Community

User Analytics



30th August 2017

Open Data Initiative

- ✓ Contact SEED Data Team
- ✓ Help streamline decision making across government
- ✓ Increase transparency of critical datasets

SEED's Value Proposition

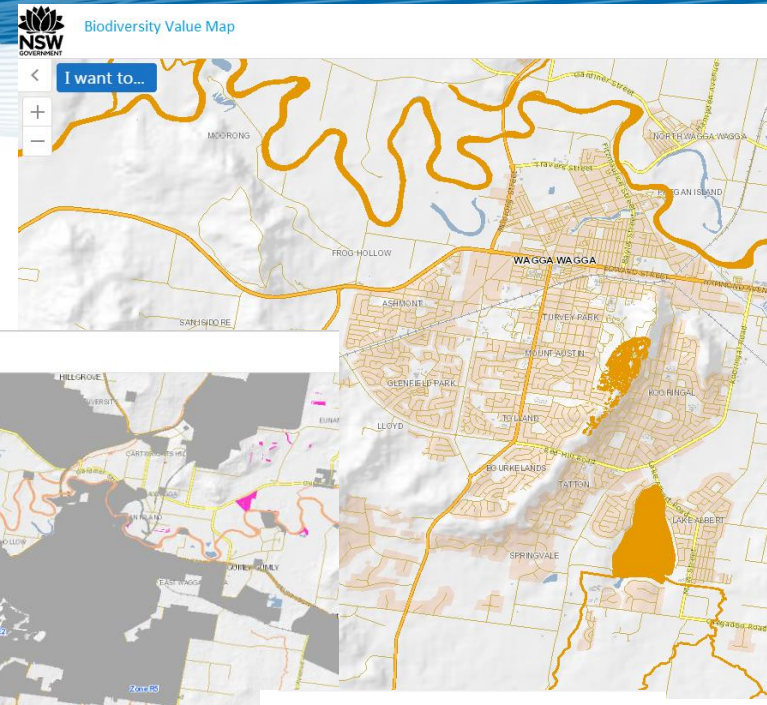
- ✓ SEEDs value proposition
  - Standardising and mobilising NSW's environmental data to deliver value
  - Trusted data sources accessed through a convenient map viewer

Growing SEED

- ✓ Growing the SEED team
- ✓ Increasing the number of relevant data sets (75-250)
- ✓ Increasing awareness and use
- ✓ Supporting users to deliver benefits
  - Mobilising the right data
  - Customising functionality
  - Promoting data quality supply chain

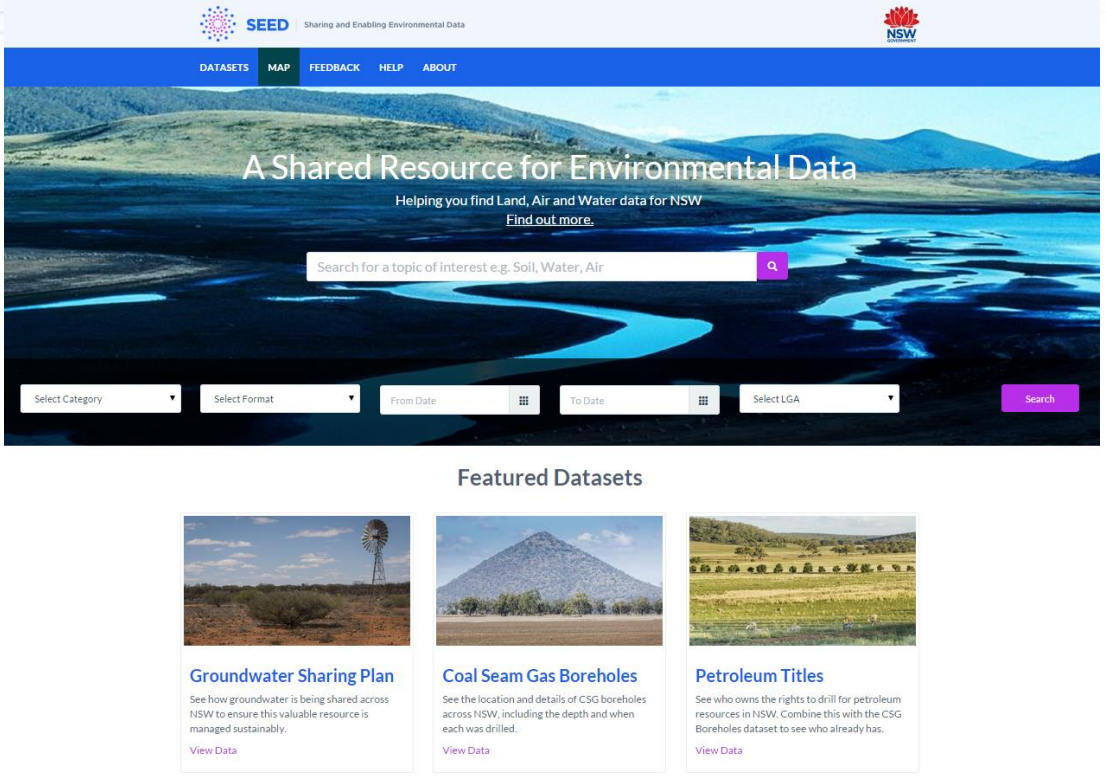
Growing SEED Data

- ✓ Load LMBC maps (65+)
- ✓ Data quality supply
  - ✓ Planning data
  - ✓ Industry data
  - ✓ Monitoring data
  - ✓ Citizen Science data



Growing Value

- ✓ DRE Mineral application tool



Growing SEED

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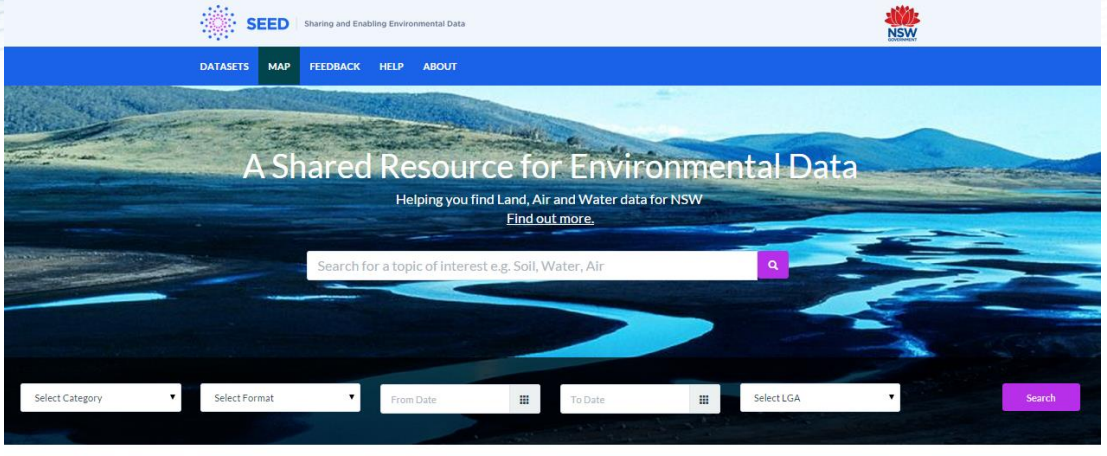
- ✓ DRE Mineral application tool
- ✓ Roadside reserves Rapid Assessment



LOCAL GOVERNMENT NSW

Council Roadside Reserves Environmental Grants 2017

Featured Datasets

Groundwater Sharing Plan

See how groundwater is being shared across NSW to ensure this valuable resource is managed sustainably.

View Data

Coal Seam Gas Boreholes

See the location and details of CSG boreholes across NSW, including the depth and when each was drilled.

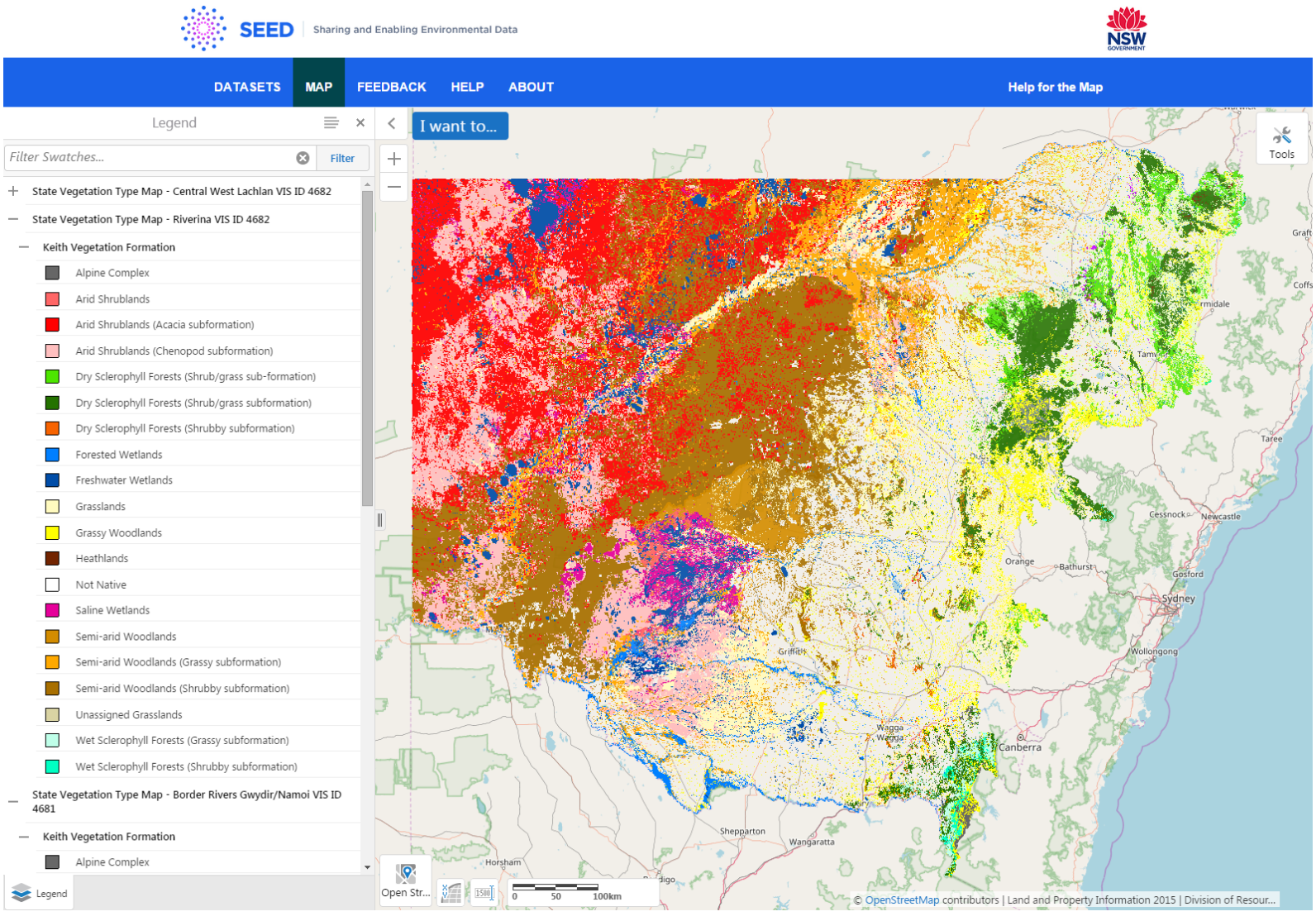
View Data

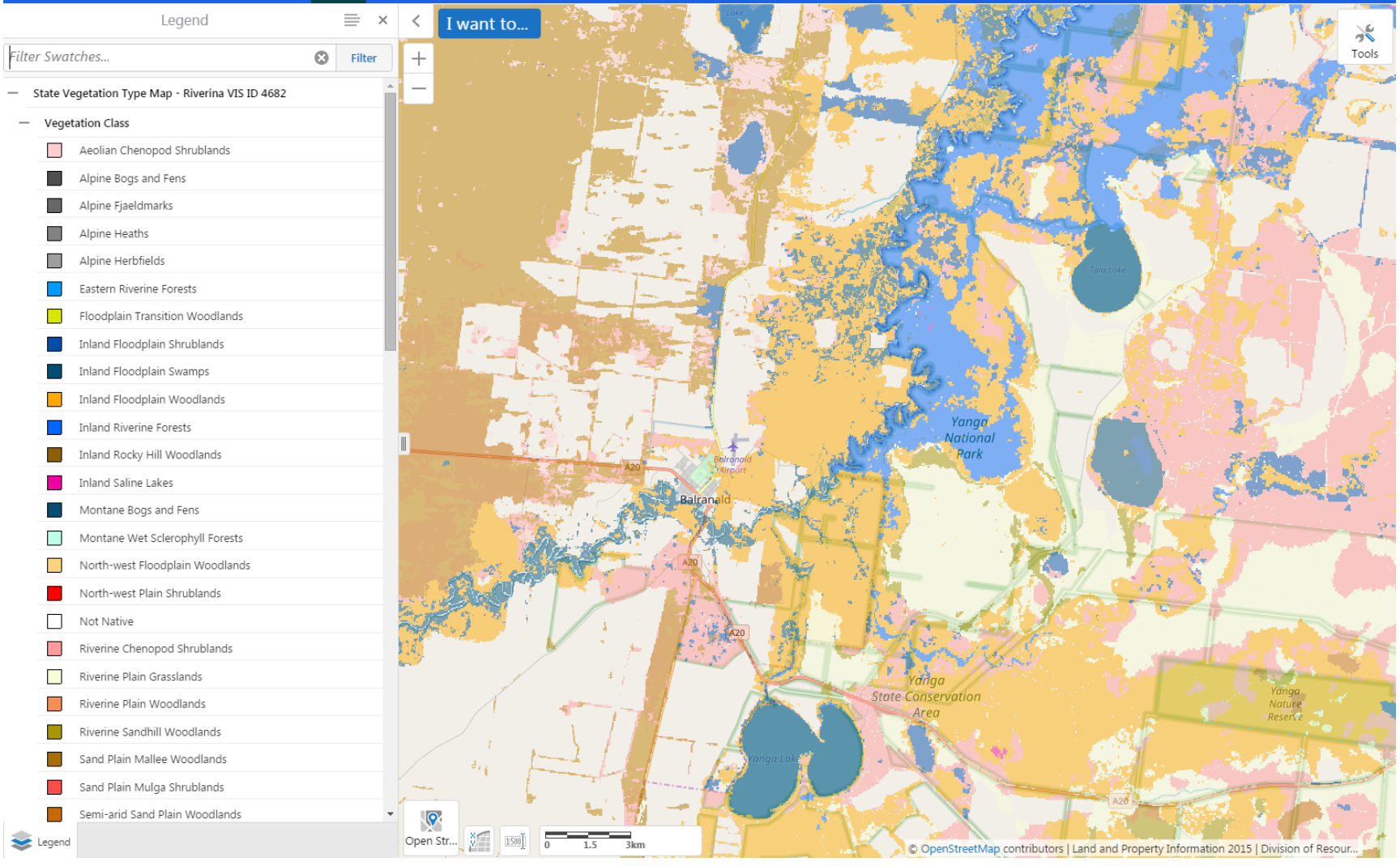
Petroleum Titles

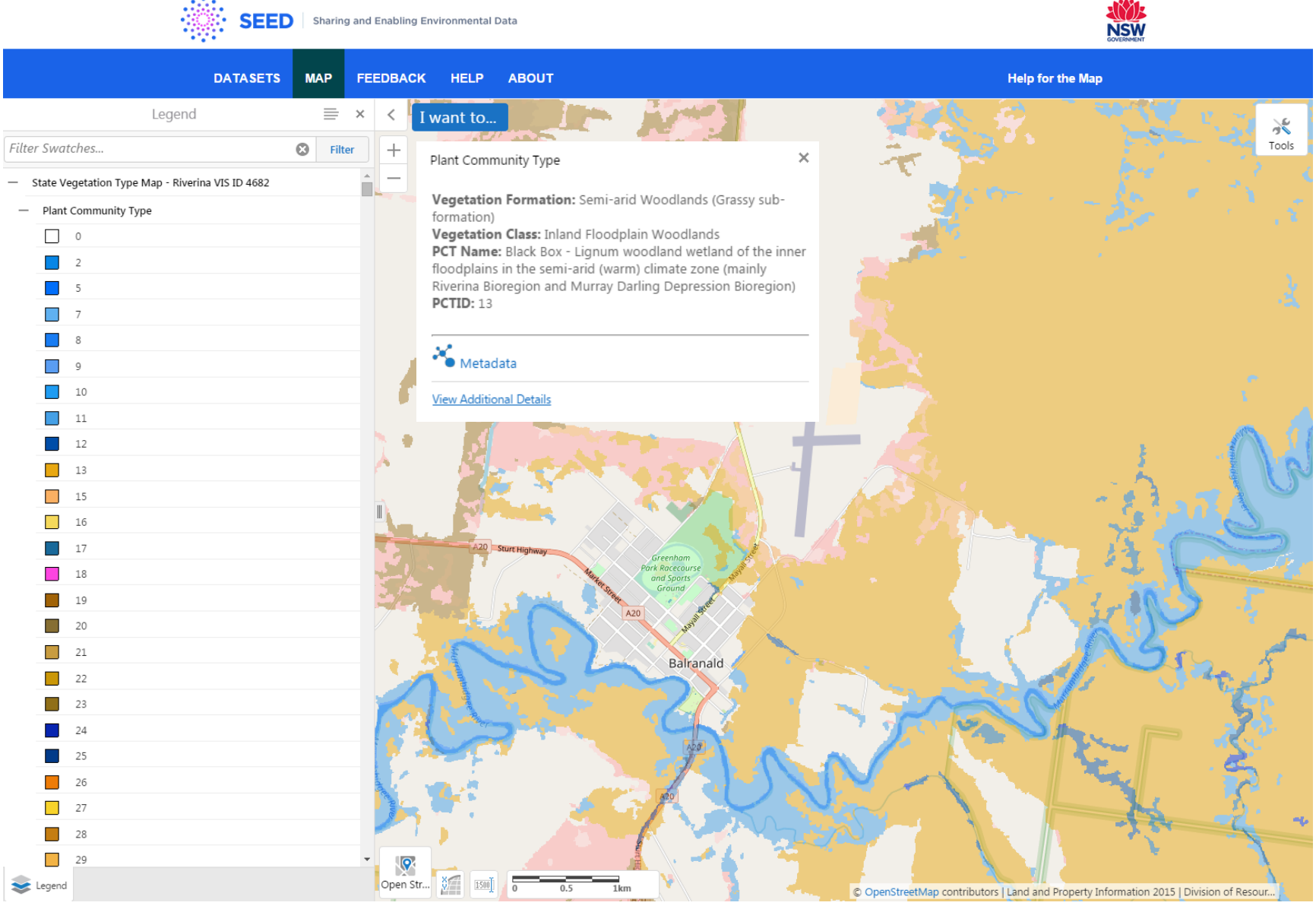
See who owns the rights to drill for petroleum resources in NSW. Combine this with the CSG Boreholes dataset to see who already has.

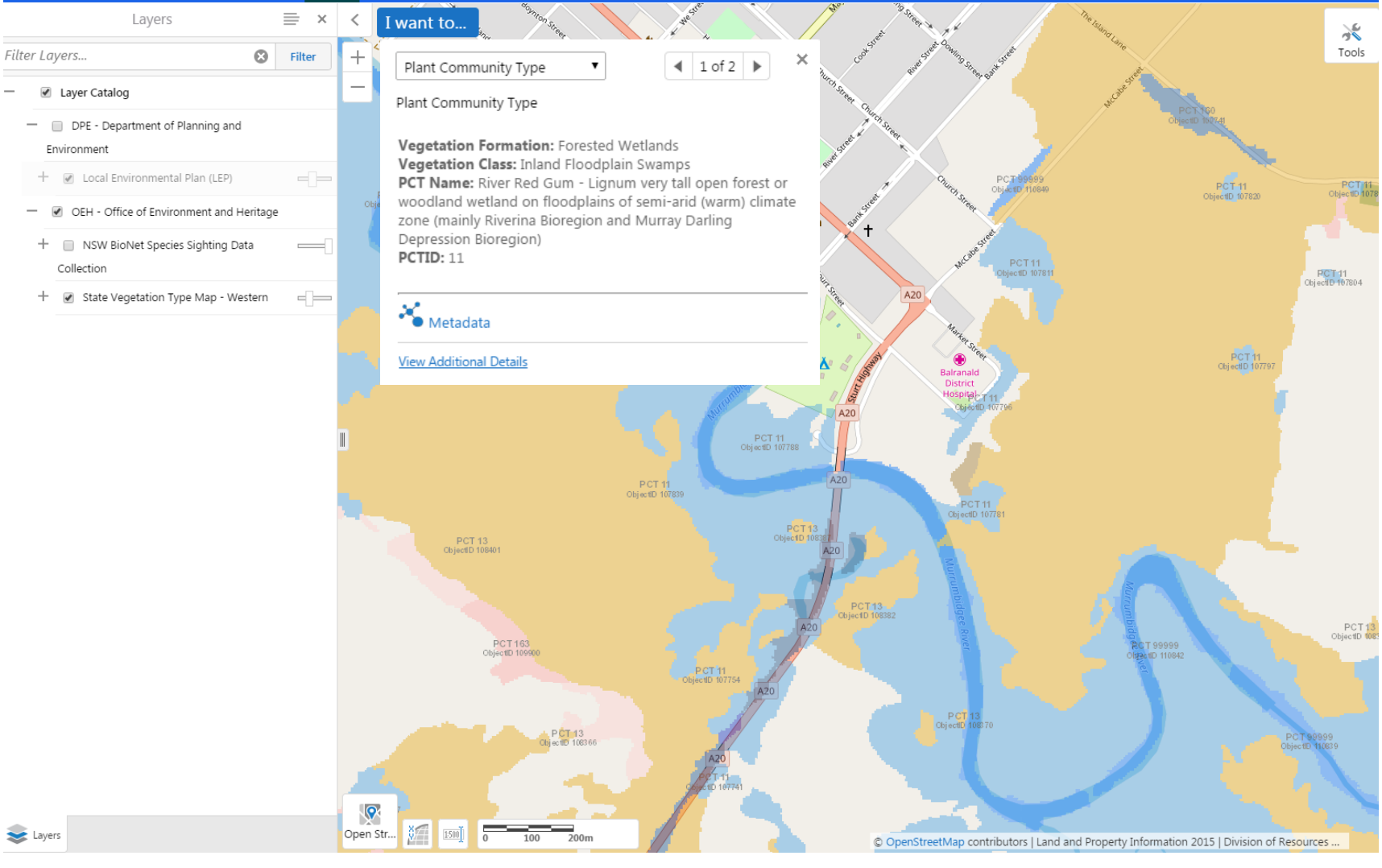
View Data

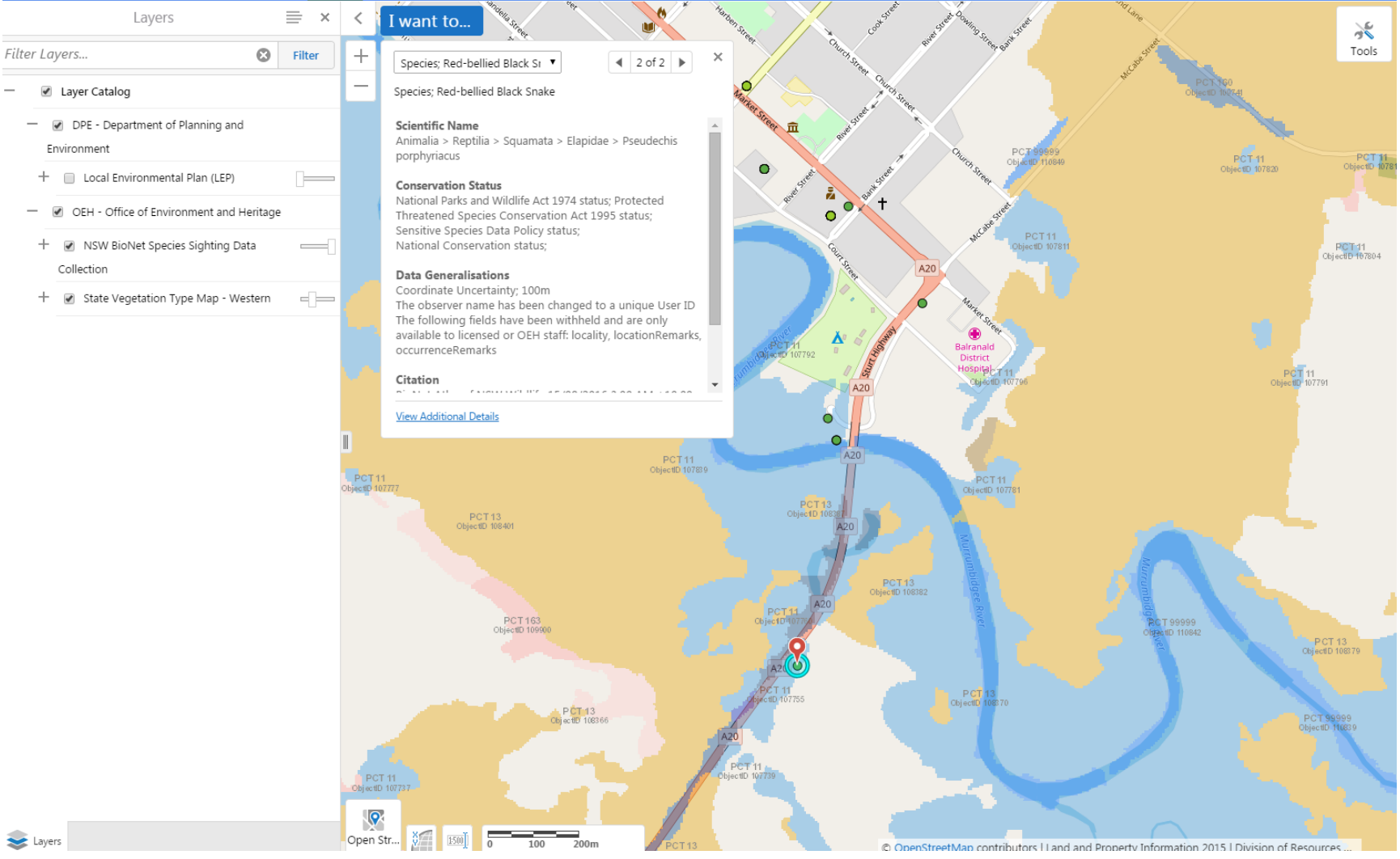
State Vegetation Type Maps




Legend
Filter Swatches...
Filter
State Vegetation Type Map - Riverina VIS ID 4682
Vegetation Class
Aeolian Chenopod Shrublands
Alpine Bogs and Fens
Alpine Fjaeldmarks
Alpine Heaths
Alpine Herbfields
Eastern Riverine Forests
Floodplain Transition Woodlands
Inland Floodplain Shrublands
Inland Floodplain Swamps
Inland Floodplain Woodlands
Inland Riverine Forests
Inland Rocky Hill Woodlands
Inland Saline Lakes
Montane Bogs and Fens
Montane Wet Sclerophyll Forests
North-west Floodplain Woodlands
North-west Plain Shrublands
Not Native
Riverine Chenopod Shrublands
Riverine Plain Grasslands
Riverine Plain Woodlands
Riverine Sandhill Woodlands
Sand Plain Mallee Woodlands
Sand Plain Mulga Shrublands
Semi-arid Sand Plain Woodlands
Legend
I want to...
Tools
Yanga National Park
Balranald
Balranald Airport
Yanga State Conservation Area
Yanga Nature Reserve
Talo Lake
Yanga Lake
A20
Open Str...
0 1.5 3km
© OpenStreetMap contributors | Land and Property Information 2015 | Division of Resour...


SEED
Sharing and Enabling Environmental Data
NSW GOVERNMENT
DATASETS
MAP
FEEDBACK
HELP
ABOUT
Help for the Map
Legend
Filter Swatches...
Filter
State Vegetation Type Map - Riverina VIS ID 4682
Plant Community Type
0
2
5
7
8
9
10
11
12
13
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
I want to...
Tools
Plant Community Type
Vegetation Formation: Semi-arid Woodlands (Grassy sub-formation)
Vegetation Class: Inland Floodplain Woodlands
PCT Name: Black Box - Lignum woodland wetland of the inner floodplains in the semi-arid (warm) climate zone (mainly Riverina Bioregion and Murray Darling Depression Bioregion)
PCTID: 13
Metadata
View Additional Details
Sturt Highway
A20
Market Street
Mayall Street
Greenham Park Racecourse and Sports Ground
Balranald
Murrumbidgee River
Legend
Open Str...
0
0.5
1km
© OpenStreetMap contributors | Land and Property Information 2015 | Division of Resour...


Layers
Filter Layers...
Filter
Layer Catalog
DPE - Department of Planning and Environment
Local Environmental Plan (LEP)
OEH - Office of Environment and Heritage
NSW BioNet Species Sighting Data Collection
State Vegetation Type Map - Western
I want to...
Plant Community Type
1 of 2
Plant Community Type
Vegetation Formation: Forested Wetlands
Vegetation Class: Inland Floodplain Swamps
PCT Name: River Red Gum - Lignum very tall open forest or woodland wetland on floodplains of semi-arid (warm) climate zone (mainly Riverina Bioregion and Murray Darling Depression Bioregion)
PCTID: 11
Metadata
View Additional Details
Tools
Balranald District Hospital
Sturt Highway
A20
Murrumbidgee River
Open Str...
0 100 200m
© OpenStreetMap contributors | Land and Property Information 2015 | Division of Resources ...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Filter
Layer Catalog
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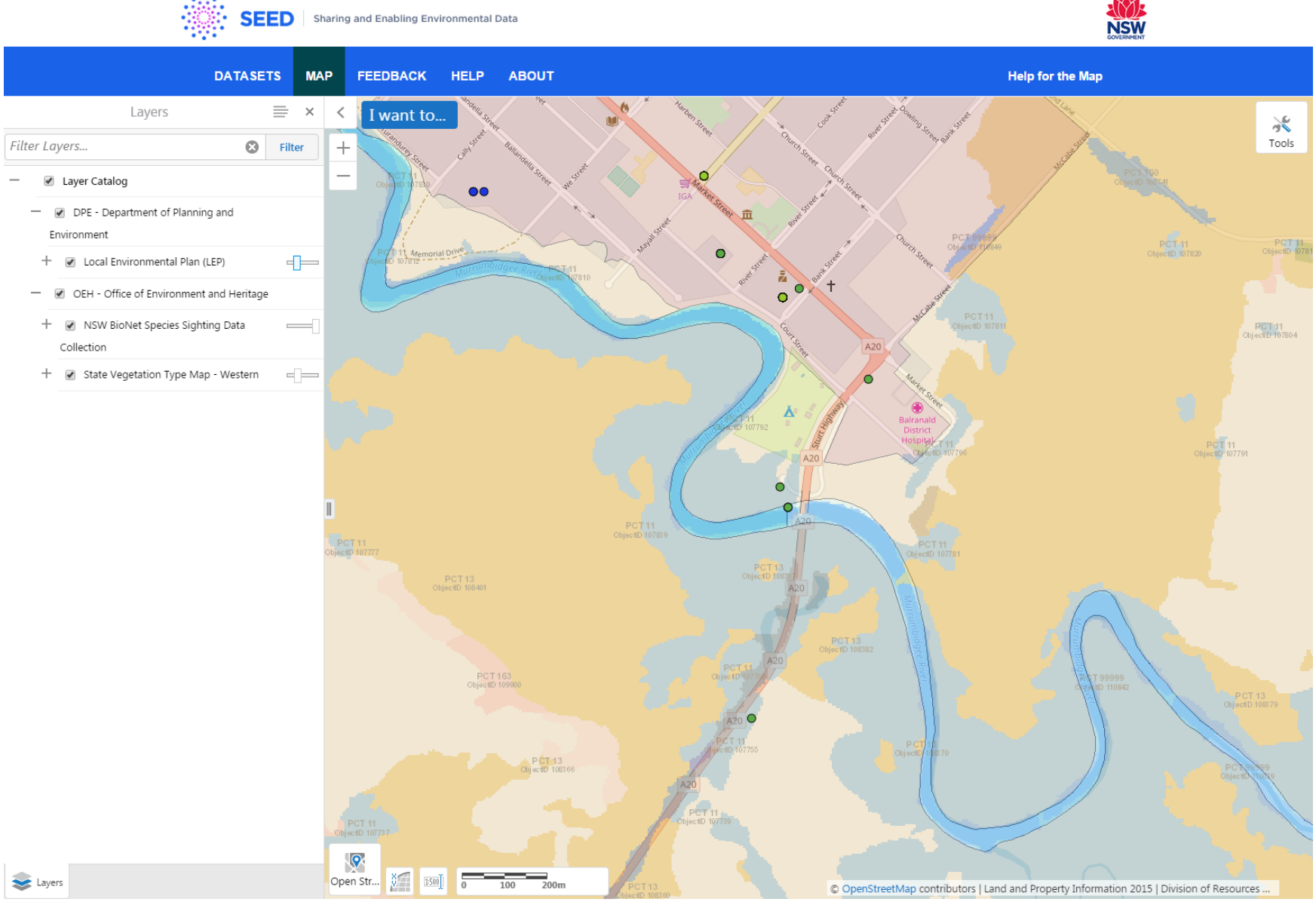
NSW BioNet Species Sighting Data Collection
State Vegetation Type Map - Western
I want to...
Species; Red-bellied Black Sr
2 of 2
Species; Red-bellied Black Snake
Scientific Name
Animalia > Reptilia > Squamata > Elapidae > Pseudechis porphyriacus
Conservation Status
National Parks and Wildlife Act 1974 status; Protected
Threatened Species Conservation Act 1995 status; Sensitive Species Data Policy status;
National Conservation status;
Data Generalisations
Coordinate Uncertainty; 100m
The observer name has been changed to a unique User ID
The following fields have been withheld and are only available to licensed or OEH staff: locality, locationRemarks, occurrenceRemarks
Citation
View Additional Details
Tools
Market Street
Church Street
River Street
Bank Street
McCabe Street
Court Street
Sturt Highway
A20
Balranald District Hospital
Murrumbidgee River
Open Str...
0
100
200m
© OpenStreetMap contributors | Land and Property Information 2015 | Division of Resources ...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I want to...
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Open Str...
0
100
200m
© OpenStreetMap contributors | Land and Property Information 2015 | Division of Resources ...
Market Street
Church Street
River Street
Bank Street
Court Street
Mayall Street
Ballandella Street
Memorial Drive
Murrumbidgee River
Sturt Highway
A20
Balranald District Hospital
IGA
PCT 11
PCT 13
PCT 163
PCT 99999

State Vegetation Type Map: Western Region DRAFT v0.1 VIS_ID 4492

Dataset

State Vegetation Type Map: Western Region DRAFT v0.1 VIS_ID 4492

View on Map

The NSW Office of Environment and Heritage (OEH) is producing a new map of the State's native vegetation. This seamless map of NSW's native vegetation types will enable government, industry and the community to better understand the composition and the relative significance of the native vegetation in their local area.

The State Vegetation Type Map (SVTM) (http://www.environment.nsw.gov.au/vegetation/state-vegetation-type-map.htm) is constructed from the best available imagery, site survey records, and environmental information.

Existing vegetation mapping has been integrated in some locations. Each vegetation survey record is being assigned to a Plant Community Type (PCT) and this is used to create a model of the distribution of each type. Their place in the landscape is then attributed based on the visual interpretation of vegetation photo pattern. The SVTM is designed to be dynamically improved and upgraded as new local information becomes available.

The Western NSW PCT DRAFT v0.1 data-set provides a draft map of Plant Community Types over western NSW and it is released for expert fee... read more >>

Data and Resources

XML Metadata - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
Metadata is data that defines or describes the content, quality, format or...

PDF Data Quality Statement - SVTM: Western Region DRAFT v0.1 VIS_ID ... Explore
The Data Quality Statement is for users to understand how a particular...

PCT User Accuracy - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
The following link will redirect the user to an external link outside of SEED...

SHP Download - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
The following link will redirect you to download the dataset

WFS - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
Web Feature Service (WFS). Connect to WFS of SVTM Quickview polygon map.

WMS - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
Web Map Service (WMS). Connect to WMS for SVTM quickview 5 metre derived grid.

ESRI Web Service - SVTM: Western Region DRAFT v0.1 VIS_ID 4492 Explore
ArcGIS REST Services Directory – provides a variety of interfaces for web...

Organisation

Office of Environment and Heritage (OEH)

OEH cares for and protects NSW's environment and heritage, which includes the natural environment, Aboriginal country, culture and heritage, and built heritage.

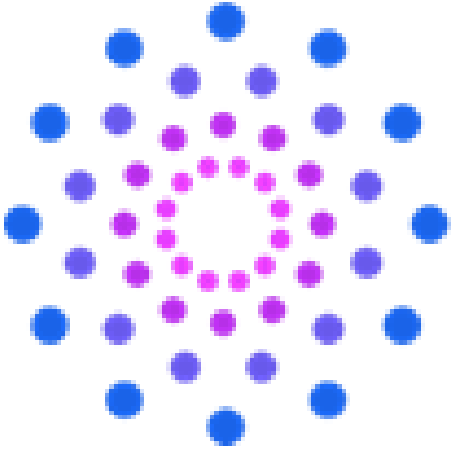
read more

License

Creative Commons Attribution 4.0 OPEN DATA

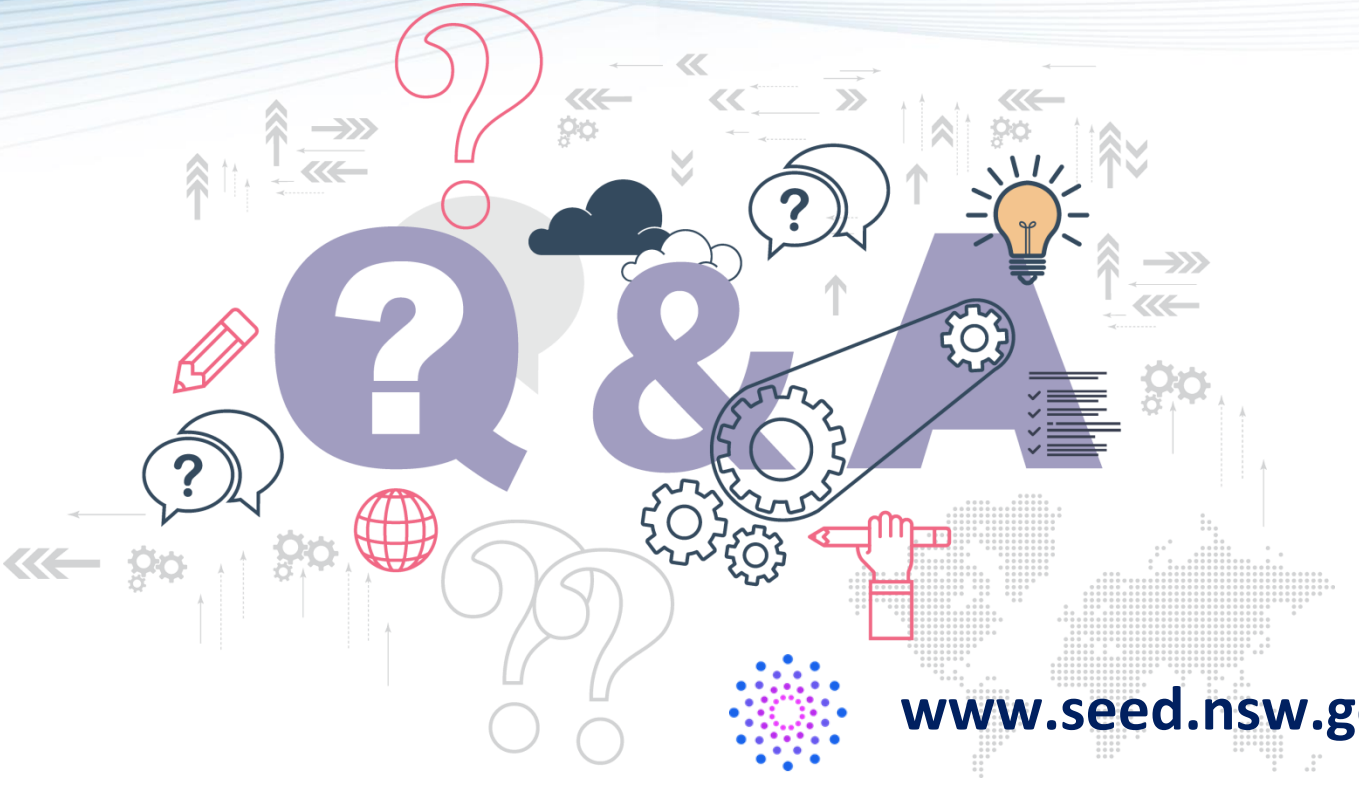
Our Ask of you!

- ✓ Have a look at SEED
- ✓ Give us feed back
- ✓ Let us know what you need



www.seed.nsw.gov.au

Questions and Answers



www.seed.nsw.gov.au