

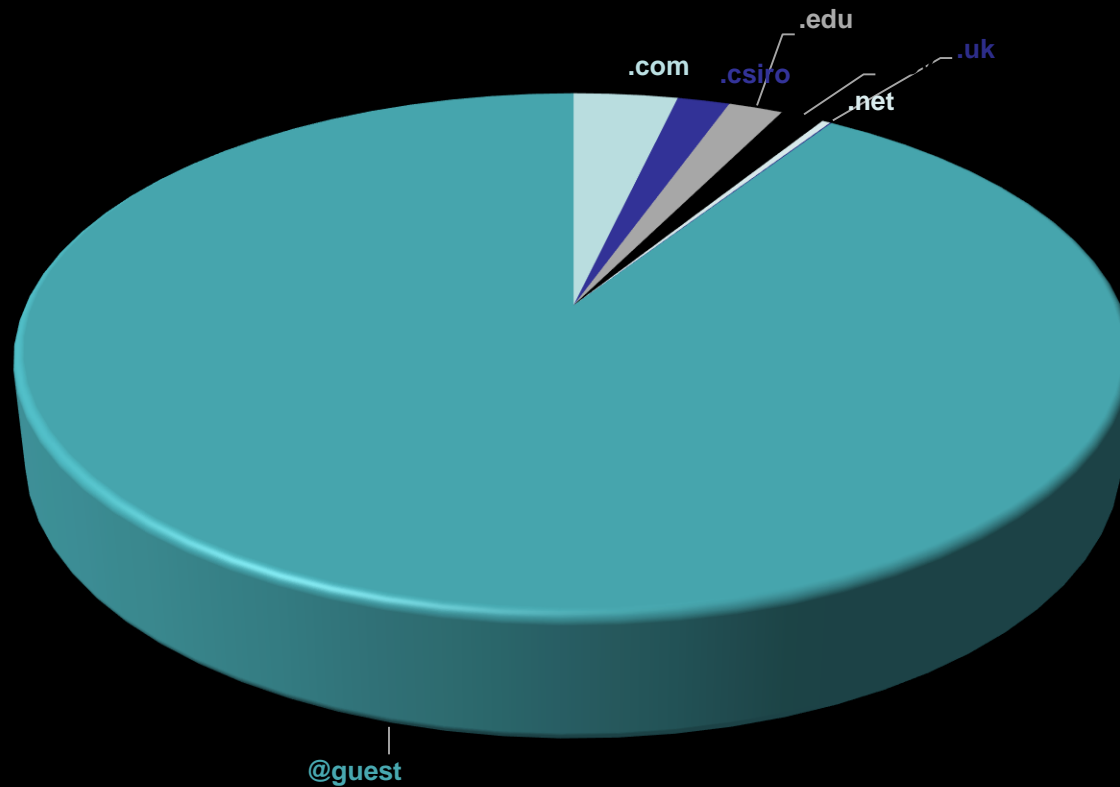


# What's New (or Neat and Unknown) in the ALA's Spatial Portal

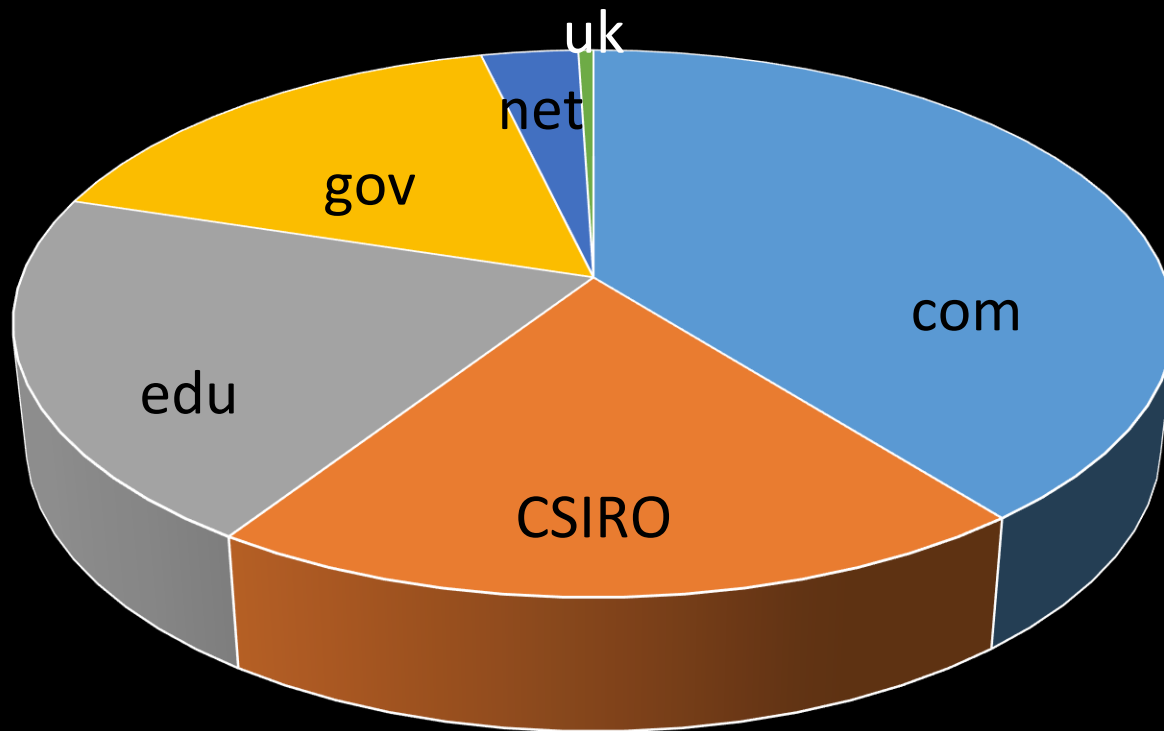
Lee Belbin and Adam Collins




# Users By Email Addresses!

















# Registered Users



# Merge Areas


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[Add to Map](#) [Tools](#) [Import](#) [Export](#) [Help](#) [Back](#)

- ☒  Wellington   
- ☒  Lane Pool Reserve   
- ☒  CAPAD 2014 Terrestrial   
-  Map options 

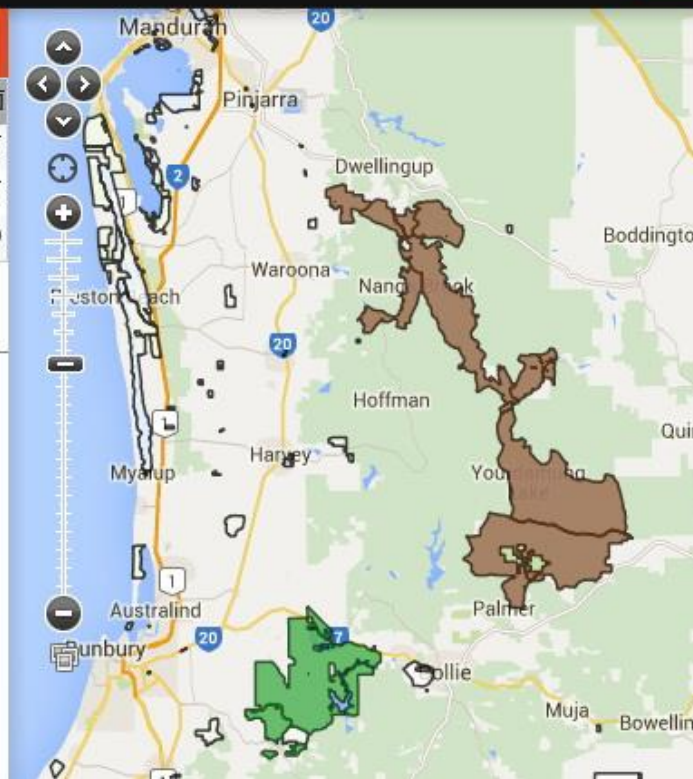
**Wellington**

Layer name  [Rename](#)

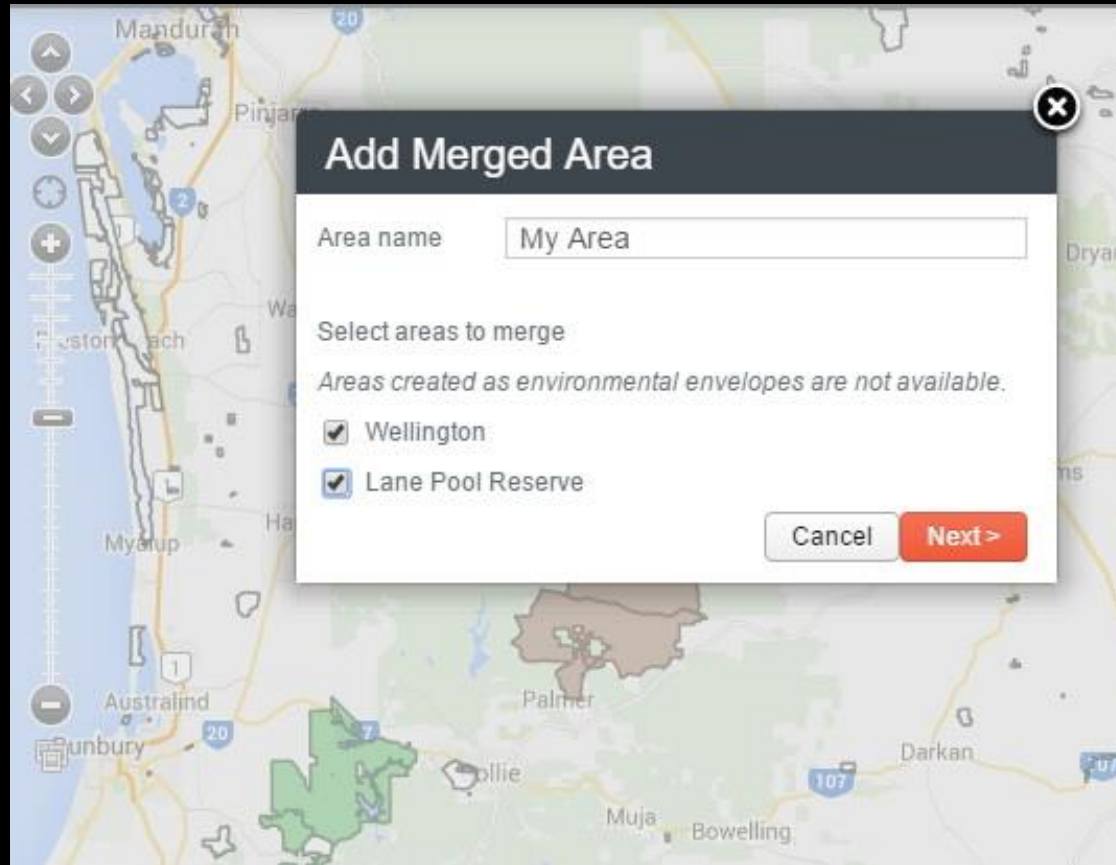
Facet  

[more](#) 

Opacity  60%



# Merge Areas

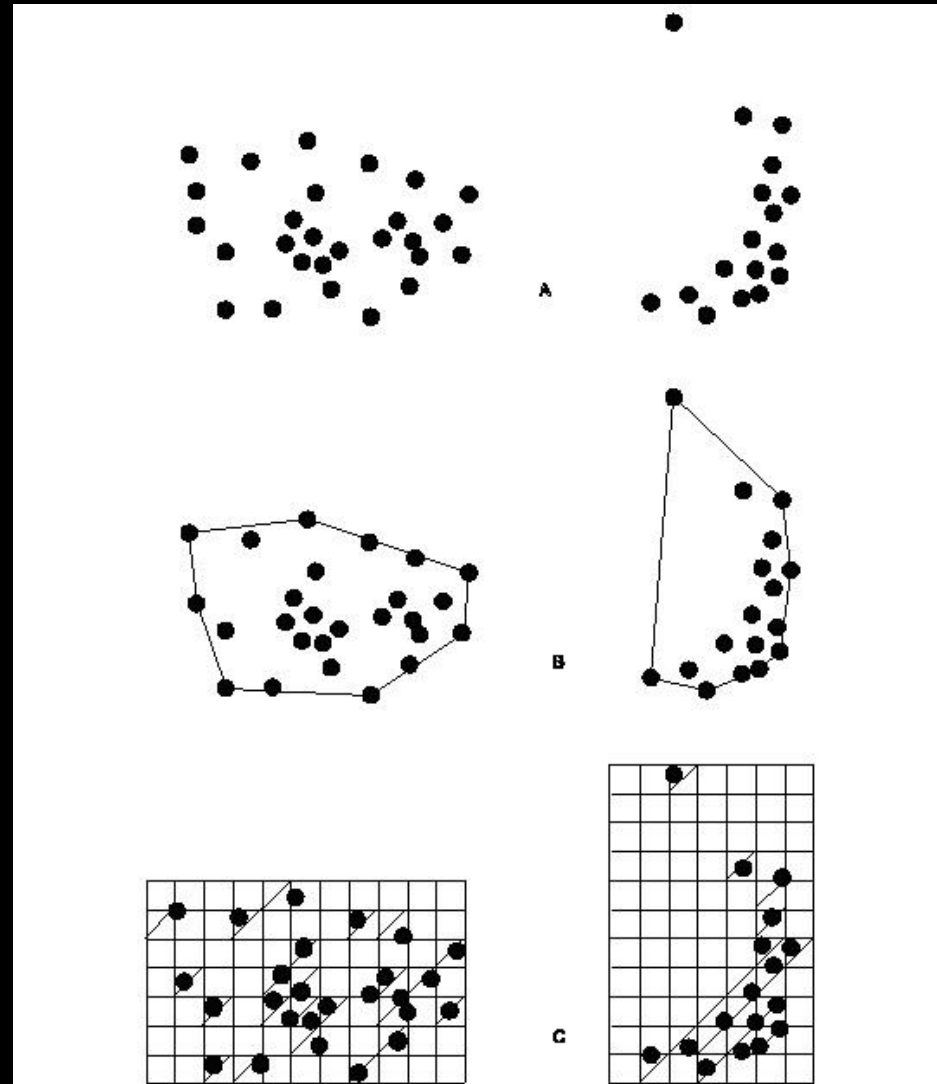


# Merge Areas

The screenshot displays a web mapping application interface. The left-hand panel contains a menu with the following items: "Add to Map", "Tools", "Import", "Export", and "Help". Below this is a list of layers, each with a checkbox, a thumbnail, and icons for search, info, and delete. The layers are: "Lane Pool + Wellington" (checked), "Wellington" (checked), "Lane Pool Reserve" (checked), and "CAPAD 2014 Terrestrial" (checked). A "Map options" link is also present. Below the layer list, the "Lane Pool + Wellington" layer is selected, showing its "Layer name" as "Lane Pool + Wellington" with a "Rename" button. The "Facet" is set to "User defined colour", and a color palette is displayed with a "more" link. The "Opacity" is set to 40% with a slider. The main map area shows a map of Western Australia with several red-shaded regions. Labels on the map include Mandurah, Pinjarra, Dwellup, Waroona, Nannook, Hoffman, Myrup, Harvey, Youlton, Palmer, Muja, and Bowel. The map also shows major roads like Highway 20 and Highway 1.



# Area of Occupancy & Extent of Occurrence



**Figure 2:** Two examples of the distinction between extent of occurrence and area of occupancy. (a) is the spatial distribution of known, inferred or projected sites of occurrence. (b) shows one possible boundary to the extent of occurrence, which is the measured area within this boundary. (c) shows one measure of area of occupancy which can be measured by the sum of the occupied grid squares.





# Area of Occupancy - Extent of Occurrence

## Area of Occupancy and Extent of Occurrence

Reset Window

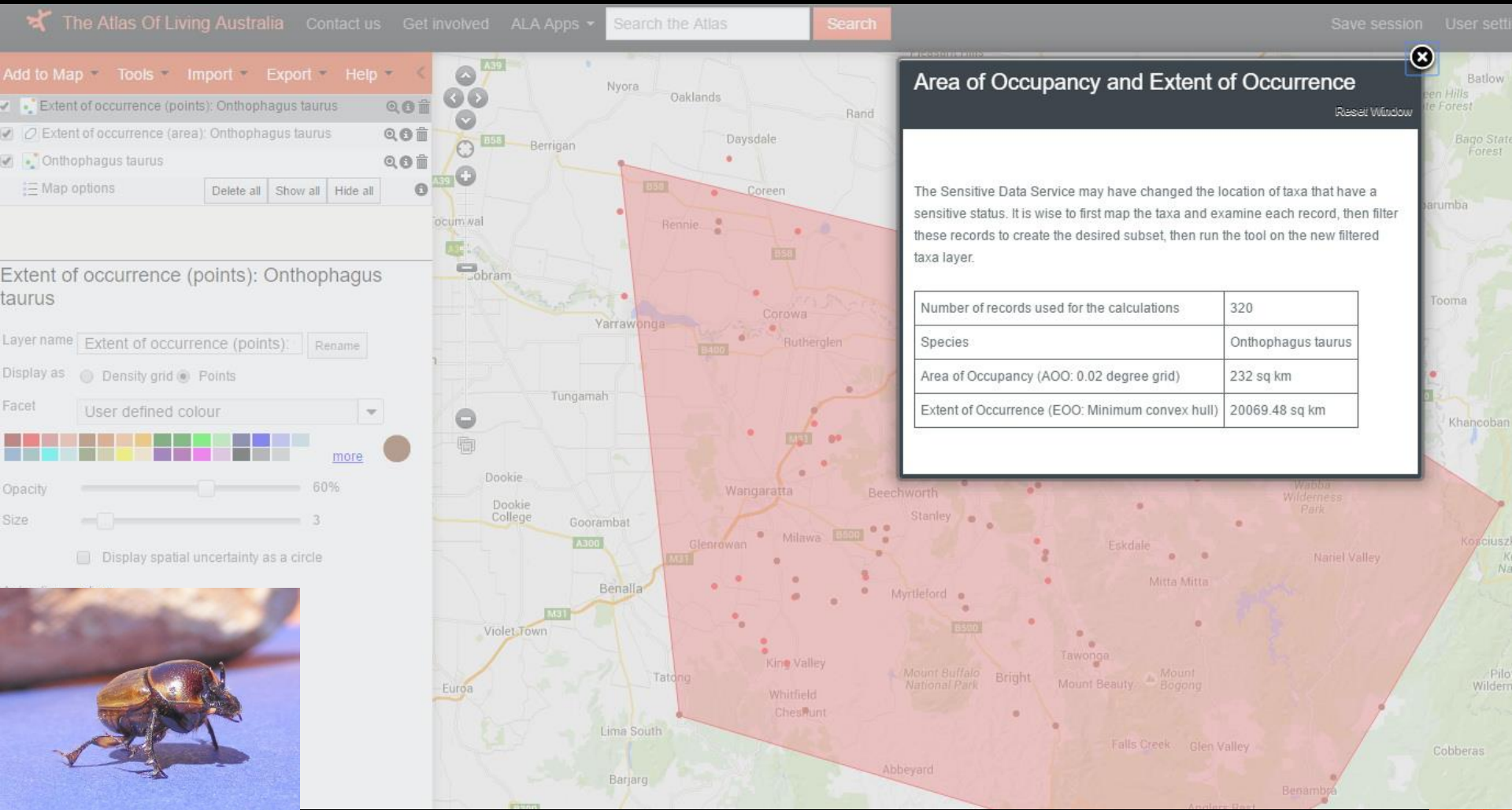
The Sensitive Data Service may have changed the location of taxa that have a sensitive status. It is wise to first map the taxa and examine each record, then filter these records to create the desired subset, then run the tool on the new filtered taxa layer.

Number of records used for the calculations	448
Species	<i>Onthophagus taurus</i>
Area of Occupancy (AOO: 0.02 degree grid)	356 sq km
Extent of Occurrence (EOO: Minimum convex hull)	3177023.77 sq km





# Area of Occupancy & Extent of Occurrence



# 'In-Out' Analysis

1. Define taxa of interest (via List or Lifeform)
2. Define 'IN' area
3. Define 'OUT' area

Result: Tabulation of species and occurrences IN the area and OUTSIDE the area



# 'In-Out' Analysis

Report for: Birds

Area name	Square km	Occurrences	Species
In: CAPAD 2014 Terrestrial	1,398,566.33	6,205,491	1,800
Out: States & Territories	6,321,240.44	24,035,346	2,113

“Very interesting...we can infer things like:

- Australia's protected area network covers 1.39 million sq.km.
- There are ~ 30.2 million bird records in the ALA
- 20.5% of bird survey effort is inside protected areas
- There are 2,113 bird species with records in the ALA
- ~ 85% of Australia's bird species have some presence in a protected area

Cool! And very useful to know we may soon be able to use this”.









# Examples of Recently Added Layers


- Phylogenetic diversity – Acacias, mammals and amphibians
- Murray-Darling Basin Authority Water Quality Zones
- Murray-Darling Basin – Surface water, groundwater
- Murray-Darling Basin Sustainable Rivers Audit Zones, valleys, wetlands
- Water Observations From Space\*
- NVIS 4.1 Major Vegetation Groups & subgroups
- Phenology peak day of year 2002 (dry) and 2012 (wet)
- Shannon Diversity (H)
- Aqueduct Global water resources index
- NZ Land Provinces, Land Registration Districts and Ecological Districts
- Soil Depth (3 second resolution)
- Bush Heritage Reserves
- FAO Fishery Statistical Areas





Add to Map ▾ Tools ▾ Import ▾ Export ▾ Help ▾ <

☒  Water Observations From Space   

 Map options

Delete all

Show all

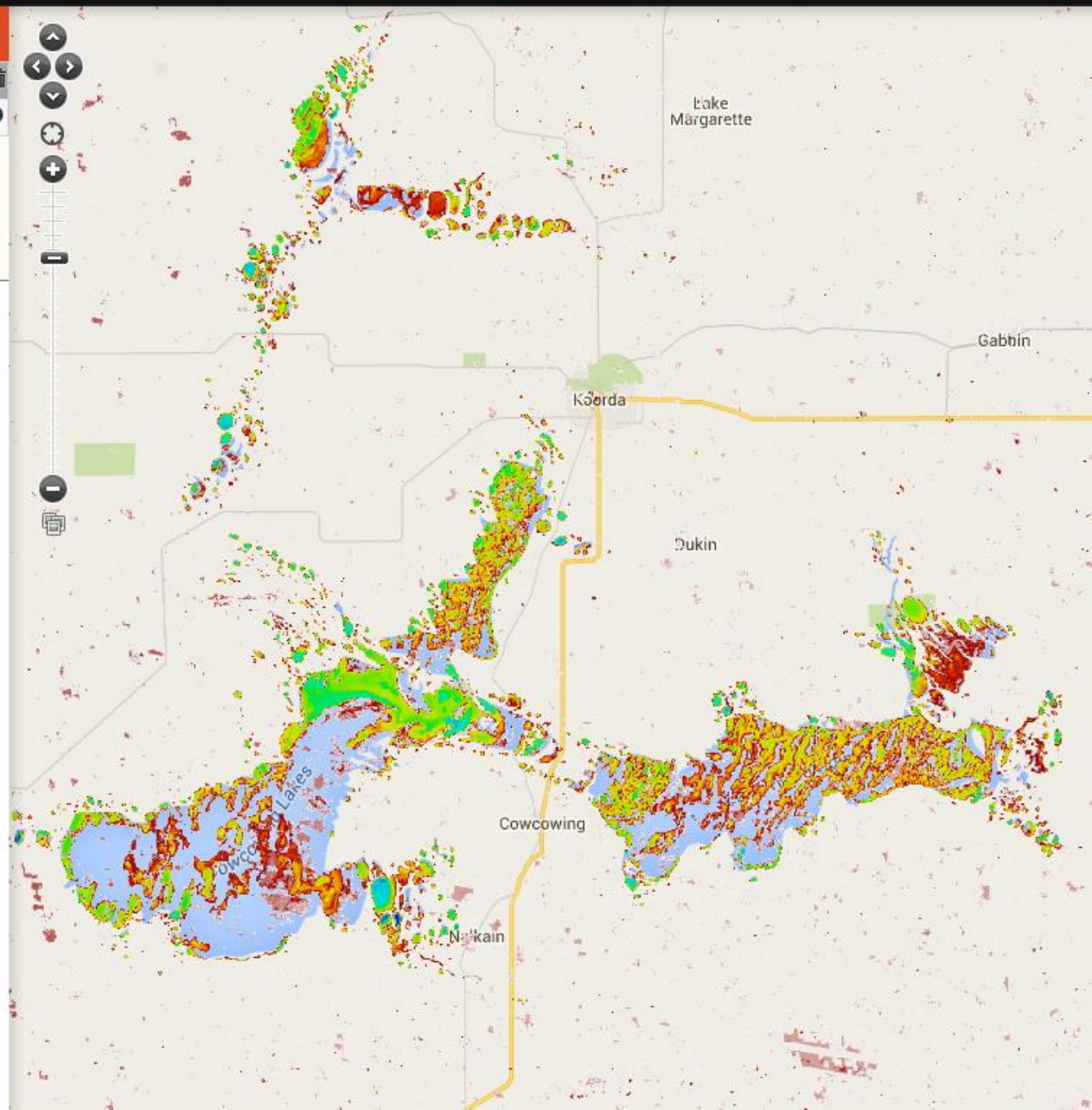
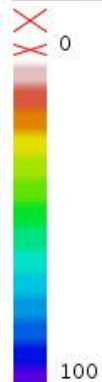
Hide all



## Water Observations From Space

Layer name

Opacity  100%



Thank You

