

# BDBSA Supertable overview

## Content

The BDBSA Supertable has been created in order to deliver flora and fauna species observations data for South Australia in a simple and standard format. Due to size limitations this is delivered as a FAUNA Supertable and a FLORA Supertable.

The Supertables represent the spatial locations of flora and fauna species observation data maintained by Department for Environment and Water (DEW) in the Biological Databases of South Australia (BDBSA) and the State Herbarium of South Australia's specimen database, ADHERB. BDBSA includes external data provided by third parties including, Birdlife Australia; Birds SA (SAOA); and the South Australian Museum (external users refer to 'Access'). More details on third party datasets is available in the BDBSA – Overview -Information Sheet.

These datasets allow users to produce species distribution maps or lists of all recorded species for a specified geographic area. Users should be aware of the following issues that may require filtering for particular uses:

1. **Duplicates** will be present especially from third party datasets.
2. Date accuracy can range from DAY to **CENTURY**.
3. spatial accuracy can range from 0.001 m to **>1000 km**.

The Supertable does not represent all the associated data held within BDBSA.

## Spatial layer generation

The Flora and Fauna Supertable textual datasets are generated by combining the summary datasets from BDBSA and by appending ADHERB plant records that fall within SA. Several extra fields containing code interpretations and standard geographical extrapolations are appended. The spatial Supertable layers are derived from these textual datasets.

## Data filtering

Flora and Fauna data are generated from BDBSA for any record with both valid coordinates and valid taxonomy. ADHERB data are generated for all 'releasable' records (i.e. valid coordinates, current taxonomy, no error flags). The following filters are then applied to ensure only reliable records are displayed:

### *Fauna.SuperTable:*

- Records are maintained where Species Reliability Code = "Y" Or "A" Or "P" Or Null .
- Records flagged as planted/released = "Y" are removed from filtered and unfiltered Supertable.
- Records that indicate that a species was searched for but no individuals were observed, a type of absence, are removed. These are recorded as numobserved = "none detected".
- Records are removed with the following Collection Method Numbers: 23 (subfossil: within pellet), 73 (subfossil: within cave deposit), 76 (subfossil: within midden) and 77 (subfossil: within deposit).

### *Flora.SuperTable:*

- Records are maintained where Species Reliability Code = "Y" Or "A" Or "P" Or Null and 1–4.
- Records flagged as planted/released = "Y" are removed from filtered and unfiltered SuperTable.



- Records that indicate that a species was searched for but no individuals were observed, a type of absence, are removed. These are recorded as numobserved = “none detected”.
- Records of species of Mundulla Yellows or Phytophthora are removed.

The **Un**filtered Supertables, **Fauna.SuperTableUnfiltered** and **Flora.SuperTableUnfiltered** spatial layers include all flora and fauna records without the species reliability or collection method filters.

## Geographic reliability

A degree of validation is performed on third-party datasets prior to loading onto BDBSA, but given the age of some of these records, geographic reliability and accuracy is quite variable. This geographic accuracy should be considered when interpreting the data by viewing the record attribute RELIABDESC.

## Currency

The combined textual databases are refreshed each weekend and available from Monday morning. Following this the spatial datasets (Supertable layers) are created each Tuesday and available refreshed each Wednesday morning.

## Access

External clients can access Supertables via [NatureMaps](#) (refreshed weekly) or the [Atlas of Living Australia](#) (refreshed quarterly). It should be noted that this public copy has sensitive and third party datasets removed and some locations ‘denatured’ for sensitive species.

Custom requests are available via a formal Data Request by emailing: [DEWBioDataRequests@sa.gov.au](mailto:DEWBioDataRequests@sa.gov.au)

**Internal users** can access these spatial layers with their departmental Spatial Data Delivery Warehouse connection (SDE\_EGIS) via ESRI ArcGIS, or EnvMaps.

- The flora spatial layer is called **Flora Supertable** or in ALA it is **SA Flora (BDBSA)**.
- The fauna spatial layer is called **Fauna Supertable** or in ALA it is **SA Fauna (BDBSA)**.

## Data usage

The Flora and Fauna Supertable spatial layers are available **for internal use only. Under no circumstances should this data be passed on to external clients/agencies by unauthorized staff.** Distribution of data to external clients needs to take into account departmental Environmentally Sensitive Data procedures and the data supply agreements that apply to third-party (i.e. non-departmental) datasets present in the BDBSA.

### Preferred way to cite this information sheet:

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