

**SCIENCE POLICY GUIDELINE 4**

**Appendix 2 - Databases and their Management**

**METADATA FORM (Appended to guideline No. 4) RF2**

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| **Name:** Janine Kinloch | | **Date:**15/6/2021 |
| **Position:** Research Officer | | |
| **Program/Division:** BCS, Remote Sensing and Spatial Analysis Program | | |
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**Custodian:** Carl Gosper (Scientific custodian)

**Contributor/s:** Colin Yates

**Title:** Fragmentation metrics for threatened flora sub-populations of the Wheatbelt DBCA Region

**Description**

**Search words / Subject:**

Threatened flora, fragmentation, remnant vegetation.

**Abstract (Purpose/Description of contents of dataset):**

This dataset contains the location of threatened flora sub-populations across the DBCA Wheatbelt Region and metrics that describe the level of fragmentation of remnant vegetation that each population is exposed to. Fragmentation metrics are based on remnant vegetation mapping and were calculated using ArcMap Near tools (distance metrics) and ArcMap Spatial Analyst focal statistics (proportion of remnant vegetation within a set area).

**Page 1**

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| **Geographical location (place name/s) OR**  **IBRA/IMCRA Region (code):** DBCA Wheatbelt Region | | | |
| **Indicate if 'All of WA'(Yes):**  **OR provide location coordinates defining the area:** | |  | |
| **Latitude (Deg/Min/Sec)** |  | **Latitude (Deg/Min/Sec)** |  |
| **Longitude (Deg/Min/Sec)** |  | **Longitude (Deg/Min/Sec)** |  |
| **Latitude (Deg/Min/Sec)** |  | **Latitude (Deg/Min/Sec)** |  |
| **Longitude (Deg/Min/Sec)** |  | **Longitude (Deg/Min/Sec)** |  |

**Currency and status**

|  |  |
| --- | --- |
| **Commencement date (of field work/data**  **collection):** April 2021 | **Completion date:** June 2021 |

**Status of data: (Complete/In progress):** Complete

**Maintenance and update frequency: -** none planned

**Daily Weekly Fortnightly Monthly Annually Irregular**

**Access**

**Format:** ESRI shapefile with metrics contained in the attribute table, png’s, geotiff and ArcMap and QGIS projects which show the data symbolised.

**Location / Directory address:** [\\kens-gis-001\Z\RS\_SUPPORT\CarlGosper\_WheatbeltFragStats\_ThrtFlora\_2018\_073\PRODUCTS](file:///\\kens-gis-001\Z\RS_SUPPORT\CarlGosper_WheatbeltFragStats_ThrtFlora_2018_073\PRODUCTS)

- Threat\_subpop\_unique\_loc\_popID\_metrics.shp (flora locations and fragmentation metrics)

Supporting datasets and other information

- WB\_RV\_patches\_20200520\_grt50.shp (extent of remnant vegetation)

- RV\_fs1km\_FINAL.tif – proportion of remnant vegetation in a 1km x 1km area

- RV\_fs5km\_FINAL.tif – proportion of remnant vegetation in a 5km x 5km area

- Hist - patch size and shape frag metrics.png – histogram of patch size and shape metrics

- Hist - distance metrics.png – histogram of distance to patches metrics

- Hist - proportion metrics.png – histogram of proportion of remnant vegetation metrics

- FinalProducts.mxd

- WB\_thrt\_flora\_frag\_Products.qgs

**What reports/publications have been produced/Available format types?**

To be advised

**Constraints (access/reliability):** Restricted – require Scientific Custodian permission prior to distribution.

**Data Quality**

**Original data source/s:**

- DBCA Threatened and Priority Flora Database (TPFL).

- DPIRD Native Vegetation Mapping (https://catalogue.data.wa.gov.au/dataset/native-vegetation-extent - currency of 20th May 2020)

**Additional Metadata**

**Related information:**

Data dictionaries (DD) \\kens-gis-001\RS\_SUPPORT\CarlGosper\_WheatbeltFragStats\_ThrtFlora\_2018\_073\PRODUCTS\documentation\WB thrt flora frag metrics - spatial datasets - Data Dictionary.xlsx

- see worksheet “Thrt flora sub-pop data points” for DD for Threat\_subpop\_unique\_loc\_popID\_metrics.shp

- see worksheet “Wheatbelt remnant vegetation” for DD for WB\_RV\_patches\_20200520\_grt50.shp

\\kens-gis-001\Z\RS\_SUPPORT\CarlGosper\_WheatbeltFragStats\_ThrtFlora\_2018\_073\PRODUCTS\documentation\Proportion of remnant vegetation - metadata.txt - Metadata for proportion of remnant vegetation geotiff’s

Procedures and scripts of geoprocessing steps are in word documents, text files and R scripts located in \\kens-gis-001\Z\RS\_SUPPORT\CarlGosper\_WheatbeltFragStats\_ThrtFlora\_2018\_073\PRODUCTS\scripts\_procedures

**SPP No.:**

**Size of the dataset:** The products of this project total 1 gigabyte

**Where has the data been backed up/archived?** \\kens-nas-013\GIS\_Folder1\RS\_SUPPORT\CarlGosper\_WheatbeltFragStats\_ThrtFlora\_2018\_073\PRODUCTS