

# **DEPARTMENT OF MINES, INDUSTRY REGULATION AND SAFETY**

## **Spatial Data Infrastructure**

### **Data Dictionary for Feature Classes**

#### **Geophysical survey index - Polygons**



Government of **Western Australia**  
Department of **Mines, Industry Regulation and Safety**

Version 1.0

## Data dictionary

In Geographic Information Systems (GIS), data dictionaries are used as a means to record the names of the attributes (items) in a feature class, together with a description of the attribute values, and lookup tables, for which a data dictionary has been provided.

Each data dictionary contains the following information: Feature class, Feature category, Spatial type, Legend name, Description, Source, DMIRS custodian, ANZLIC metadata ID and Conditions of access. Detailed information about the attributes of the feature class include Item name, Key, Display, Type, Width and Description.

For Key, a code is used to indicate whether the item or field is a key used to link to tables:

P = Primary key

F = Foreign key

Null = Not a key

For Display, Yes/No is used to indicate whether the items or fields may or may not be provided:

Yes = Visible

No = No visible

For item type, a code is used to describe the field type:

C = Character field

D = Date field

N = Number field

A user can view the attribute table of a theme as described in the data dictionary listing at the beginning of this document and see the item names along with the data type and description.

When a user views the attribute table, the user will see the item names described in the data dictionary, and their contents. The user will also see several items that are standard to ESRI ArcSDE feature classes. These standard (internal) items have been omitted from the enclosed data dictionary descriptions for ease of reading. The omitted items are as follows:

Item names	Type	Item description
OBJECTID	N	Unique identifier for each object in the feature class
SHAPE	C	Geometry type
SHAPE.AREA	N	Area of polygon – limited to polygon data
SHAPE.LEN	N	Length of line – limited to line data

Feature class :	GEOP_MAGIX_SURVEYBLOCKS_POLYGONS_PUBLIC_GSD_VW
Feature category:	Geophysics
Spatial type:	Polygon
Legend name:	Geophysical survey index - Polygons
Description:	Metadata for geophysical survey area datasets held in GSWA'S MAGIX survey register and data repository
Source:	Department of Mines, Industry Regulation and Safety
DMIRS custodian:	Geological Survey and Resource Strategy Division
ANZLIC metadata ID:	
Conditions of access:	Subject to data custodian licence agreement

Item name	Alias	Display	Type	Width	Description
BLOCK_ID		Yes	N		Unique Identifier
R_NUMBER		Yes	N		Survey registration number in MAGIX
BLOCK_NAME		Yes	C	100	Name of survey block (a single survey may have multiple blocks)
PLATFORM		Yes	C	50	Survey platform
METHODS		Yes	C	200	Survey-method codes
SYSTEM		Yes	C	200	Data acquisition system(s)
COMMISSIONED_BY		Yes	C	100	Company or person that commissioned the survey
SURVEYOR		Yes	C	100	Survey contractor
JOB_NO		Yes	C	50	Survey contractor job number
END_DATE		Yes	D		Month/year in which data acquisition was completed
SIZE		Yes	N		Survey size (in 'Size units')
SIZE_UNIT		Yes	C	50	Units of survey size value
LINE_SPACING		Yes	N		Nominal survey line spacing in metres
LINE_DIRECTION		Yes	N		Nominal survey-line direction in degrees
PLATFORM_HEIGHT		Yes	N		Nominal height of platform above ground level
AVAILABILITY		Yes	C	50	Data availability status
CUSTODIAN		Yes	C	100	Company or person holding the data
GA_PROJ_NO		Yes	C	50	Geoscience Australia project number for survey datasets also held in the national geophysical archive.
RELEASE_DATE		Yes	D		Date on which data were released for public (open file) access; or on which data may be released. NULL indicates undetermined date for release.
DATA_SOURCE		Yes	C	50	Source database or repository from which survey dataset obtained
SOURCE_REF		Yes	C	50	Source reference to survey datasets
FUNDING		Yes	C	50	Source of funding for survey: government or private
SURVEY_STATUS		Yes	C	12	Status of survey: complete or in-progress
GSWA_COMMENTS		Yes	C	500	Description or comments about the survey
TAGS		Yes	C	200	Text tags for search filtering of records
THUMBNAIL_FILENAME		Yes	C	50	Name of thumbnail image of survey data
DOWNLOAD_DATA_LINK		Yes	C	500	URL path to dataset for download from DMIRS 'geodownloads' file store
MAGIX_VIEW_PATH		Yes	C	500	URL path to survey details in MAGIX application
EXTRACT_DATE		Yes	D		Date information was extracted from the MAGIX database.

#### Feature Class Derivative