Data dictionary

for the

1:50 000 environmental map - PERTH (2034-II, 2034-III, 2134-III)

Data dictionary
In Geographic Information Systems (GIS), data dictionaries are used as a means to record the names of the attributes (items) in each feature class, together with a description of the attribute values. Tables 1 and 2 list the GIS themes or feature classes and lookup tables used in this digital data package, for which this data dictionary has been provided.

Table 3 provides detailed information about the attributes of each feature class included in this digital data package. Each data dictionary table contains the following information: Feature class, File name, Feature category, Spatial type, Description, and details particular to the feature class described. These details are listed under headings: Item name, Alias, Key, Optional, Type, Width and Description. Tabulated information in italics describes the contents of Microsoft Access database lookup tables (LUT).

This digital data package may contain an Explanatory Notes database, which is designed to be used with GeoMap.WA. Data dictionary information for this database is not available.

For Key, a code is used to indicate whether the item or field is a key used to link information:
P = Primary key
F = Foreign key
Null = Not a key

For Optional, a code is used to indicate whether the items or fields may or may not be provided in a data package:
True = Optional
False = Not optional

For item Type, a code is used to describe the field type:
C = Currency values
D = Date field, may include time
F = Decimal number as an internal floating-point number, single or double precision
H = Hyperlink field for storing URL path
I = Integer field, having whole numbers only, short or long format
M = Memo field
T = Text/character field
Y = One bit field that contains only one of two values (e.g. Yes/No, True/False, On/Off)

Table 1: The following is a listing of the filenames in this digital package

File Name	Description
Geology	
geology_simple_20342	1:50 000 simplified geology polygons for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986
geology_surface_20342	1:50 000 surface geology polygons for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986
linear_20342	1:50 000 surface geology structural lines for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986
Indexes	
frame_20342	1:50 000 map frame for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986
Mineral information	
minedex_points_20342	Mines and mineral deposits from MINEDEX database

Table 2 : The following is a listing of the active databases

Feature Class	Description
geology_simple_20342_lut	1:50 000 simplified geology polygons lookup table
geology_surface_20342_lut	1:50 000 surface geology polygons lookup table
minedex_points_20342_lut	MINEDEX sites: Microsoft Access table

Table 3: The following is a detailed listing of the feature classes and associated lookup tables.

Feature class:	**1:50k simplified geology polygons — PERTH, 1986**					
File name:	geology_simple_20342					
Feature category:	Geology					
Spatial type:	Polygon					
Description:	1:50 000 simplified geology polygons for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986					
Item name	**Item alias**	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE			False	T	30	Geological code
JNCODE			False	T	30	Combination of map sheet number and CODE for appending purposes
Lookup table:	***geology_simple_20342_lut***					
Description:	*1:50 000 simplified geology polygons lookup table*					
Field name	***Field alias***	***Key***	***Optional***	***Type***	***Width***	***Description***
CODE			*False*	*T*	*30*	*Geological code*
JNCODE			*False*	*T*	*30*	*Combination of map sheet number and CODE for appending purposes*
NARRATIVE			*False*	*T*	*200*	*Long description of the geological code*
COMPLEX			*False*	*T*	*40*	*The name of the complex or rock type*
NAME			*False*	*T*	*40*	*The name of the geological feature*
NAME_DESC			*False*	*T*	*200*	*Geological description of the NAME*
AGE1			*False*	*T*	*40*	*Geological age (Eon), e.g. Phanerozoic*
AGE2			*False*	*T*	*40*	*Geological age (Era), e.g. Mesozoic*
AGE3			*False*	*T*	*40*	*Geological age (Period), e.g. Cretaceous*
AGE4			*False*	*T*	*40*	*Geological age (Epoch), e.g. Miocene*
TIME			*False*	*T*	*20*	*The age of the tectonic unit, the complex or the rock type, e.g. 1310 +/- 4 Ma*
STRATIG1			*False*	*T*	*40*	*Supergroup name*
STRATIG2			*False*	*T*	*40*	*Group name*
STRATIG3			*False*	*T*	*40*	*Subgroup name*
METAMORPH			*False*	*T*	*150*	*Metamorphic narrative*
TECTONIC1			*False*	*T*	*40*	*Tectonic unit – parent class*
TECTONIC2			*False*	*T*	*40*	*Tectonic unit – subclass*
TECTONIC3			*False*	*T*	*40*	*Tectonic unit – sub-subclass*

Feature class:	**geology_surface_20342**					
File name:	geology_surface_20342					
Feature category:	Geology					
Spatial type:	Polygon					
Description:	1:50 000 surface geology polygons for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986					
Item name	**Item alias**	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE			False	T	10	Geological unit code
JNCODE			False	T	20	Combination of map sheet number and CODE for appending purposes
Lookup table:	***geology_surface_20342_lut***					
Description:	*1:50 000 surface geology polygons lookup table*					
Field name	***Field alias***	***Key***	***Optional***	***Type***	***Width***	***Description***
CODE			*False*	*T*	*30*	*Geological code*
JNCODE			*False*	*T*	*30*	*Combination of map sheet number and CODE for appending purposes*
THICKNESS			*False*	*T*	*10*	*Maximum thickness of unit*
NARRATIVE			*False*	*T*	*200*	*Long description of the geological code*
COMPLEX			*False*	*T*	*40*	*The name of the complex or rock type*
NAME			*False*	*T*	*40*	*The name of the geological feature*
NAME_DESC			*False*	*T*	*200*	*Geological description of the NAME*

AGE1			*False*	*T*	*40*	*Geological age (Eon), e.g. Phanerozoic*
AGE2			*False*	*T*	*40*	*Geological age (Era), e.g. Mesozoic*
AGE3			*False*	*T*	*40*	*Geological age (Period), e.g. Cretaceous*
AGE4			*False*	*T*	*40*	*Geological age (Epoch), e.g. Miocene*
TIME			*False*	*T*	*20*	*The age of the tectonic unit, the complex or the rock type, e.g. 1310 +/- 4 Ma*
STRATIG1			*False*	*T*	*40*	*Supergroup name*
STRATIG2			*False*	*T*	*40*	*Group name*
STRATIG3			*False*	*T*	*40*	*Subgroup name*
METAMORPH			*False*	*T*	*150*	*Metamorphic narrative*
TECTONIC1			*False*	*T*	*40*	*Tectonic unit – parent class*
TECTONIC2			*False*	*T*	*40*	*Tectonic unit – subclass*
TECTONIC3			*False*	*T*	*40*	*Tectonic unit – sub-subclass*

Feature class:	**linear_20342**					
File name:	linear_20342					
Feature category:	Geology					
Spatial type:	Polyline					
Description:	1:50 000 surface geology structural lines for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986					
Item name	**Item alias**	**Key**	**Optional**	**Type**	**Width**	**Description**
FEATURE			False	T	150	Feature name
TYPE			False	T	150	Structural line type
JNCODE			False	T	254	Combination of map sheet number, FEATURE and TYPE for appending purposes

Feature class:	**frame_20342**
File name:	frame_20342
Feature category:	Indexes
Spatial type:	Polygon
Description:	1:50 000 map frame for map sheet number 2034 II, 2134 III, 2034 III (PERTH), 1986

Feature class:	**minedex_points_20342**					
File name:	minedex_points_20342					
Feature category:	Mineral information					
Spatial type:	Point					
Description:	Mines and mineral deposits from MINEDEX database					
Item name	**Item alias**	**Key**	**Optional**	**Type**	**Width**	**Description**
FEATURE			False	T	150	Feature name
TYPE			False	T	150	Mineral occurrence
JNCODE			False	T	254	Combination of map sheet number, FEATURE and TYPE for appending purposes
Lookup table:	***minedex_points_20342_lut***					
Description:	*MINEDEX sites: Microsoft Access table*					
Field name	***Field alias***	***Key***	***Optional***	***Type***	***Width***	***Description***
TYPE			*False*	*T*	*100*	*Description of site type (e.g. mine, deposit, prospect, etc.)*
JNCODE			*False*	*T*	*30*	*Combination of map sheet number and CODE for appending purposes*
NARRATIVE			*False*	*T*	*200*	*Mineral occurrence description*