Data dictionary

for the

1:100 000 Geological Series Map

Three Rivers (2747), 1st edition, 2014

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, Key, Optional, Type, Width, and Description. Tabulated information in italics describes the contents of Microsoft Access database lookup tables (LUT).

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 feature classes in this digital package.

File Name:	Description
Administrative	
frame_2747	1:100 000 map frame for map sheet number 2747 (Three Rivers), 2014
Geology	
dyke_2747	1:100 000 surface geology lines for map sheet number 2747 (Three Rivers), 2014
dyke_simple_2747	1:100 000 simplified geology lines for map sheet number 2747 (Three Rivers), 2014
geology_simple_2747	1:100 000 simplified geology polygons for map sheet number 2747 (Three Rivers), 2014
geology_surface_2747	1:100 000 surface geology polygons for map sheet number 2747 (Three Rivers), 2014
linear_2747	1:100 000 surface geology structural lines for map sheet number 2747 (Three Rivers), 2014
linear_simple_2747	1:100 000 simplified geology structural lines for map sheet number 2747 (Three Rivers), 2014
section_line_2747	1:100 000 location of diagrammatic section lines for map sheet number 2747 (Three Rivers), 2014
warox_2747	GSWA field observations from WAROX database as at [Month] 2014

Table 2: The following is a listing of the lookup tables.

Lookup table:	Description
dyke_2747_lut	Three Rivers 1:100 000 surface geology lines lookup table
dyke_simple_2747_lut	Three Rivers 1:100 000 simplified geology lines lookup table
geology_simple_2747_lut	Three Rivers 1:100 000 simplified geology polygons lookup table
geology_surface_2747_lut	Three Rivers 1:100 000 surface geology polygons lookup table

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

File name:	**frame_2747**				
Feature category:	Indexes				
Spatial type:	Polygon				
Description:	1:100 000 map frame for map sheet number 2747 (Three Rivers), 2014				
Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
NAME		False	T	30	1:100 000 map sheet name
NUMBER_		False	T	13	1:100 000 map sheet number

File name:	**dyke_2747**				
Feature category:	Geology				
Spatial type:	Arc				
Description:	1:100 000 surface geology lines for map sheet number 2747 (Three Rivers), 2014				
Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE		False	T	30	Geological code
JNCODE		True	T	30	Combination of the map sheet number and CODE and for plot purposes
Lookup table:	***dyke_2747_lut***				
Description:	*1:100 000 surface geology lines lookup table*				
Field name	***Key***	***Optional***	***Type***	***Width***	***Description***
SORT		*True*	*I*		*Sort order for data legend*
LITHSTRTNO		*True*	*I*		*Geological code identifier linking to Explanatory Notes database*
CODE		*False*	*T*	*30*	*Geological code*
JNCODE		*True*	*T*	*30*	*Combination of Map sheet number and CODE for appending purposes*
*NUMBER_*		*True*	*T*	*13*	*1:100 000 map sheet number*
UNITNAME		*False*	*T*	*100*	*Geological unit name*
GSWASTATUS		*False*	*T*	*30*	*Stratigraphic status of geological unit in Explanatory Notes database*
RANK		*False*	*T*	*15*	*Stratigraphic rank of geological unit*
DESCRIPTN		*False*	*T*	*254*	*Long description of the geological code*
PARENTCODE		*False*	*T*	*50*	*Geological code of the parent unit for the unit displayed in the CODE field*
PARENTNAME		*False*	*T*	*100*	*Name of the parent geological unit for the unit displayed in the CODE field*
ROCKTYPE1		*False*	*T*	*80*	*Rock type (e.g. igneous mafic volcanic)*
LITHNAME1		*False*	*T*	*255*	*Lithological name (e.g. basalt)*
QUALIFIER1		*False*	*T*	*100*	*First feature distinguishing the lithology (e.g. pillowed basalt)*
QUALIFIER2		*False*	*T*	*100*	*Second feature distinguishing the lithology (e.g. carbonate-altered pillowed basalt)*
MIXEDROCK		*False*	*T*	*50*	*Mixed rock types or xenolith-bearing unit*
ROCKTYPE2		*False*	*T*	*80*	*Second rock type in a mixed or xenolith-bearing unit*
LITHNAME2		*False*	*T*	*255*	*Second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL1		*False*	*T*	*100*	*First feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL2		*False*	*T*	*100*	*Second feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
REGOLITH		*False*	*T*	*60*	*Primary regolith–landform environment or process*
WASTRAUNIT		*False*	*T*	*100*	*State-scale stratigraphic unit*

SUPERSUITE		*False*	*T*	*100*	*Assemblage of intrusive rocks and suites formed during the same magmatic event*
SUITE		*False*	*T*	*100*	*Igneous rock bodies formed during the same magmatic event*
SUPERGROUP		*False*	*T*	*100*	*An assemblage of related groups, or of formations and groups, having significant lithological features in common*
*GROUP_*		*False*	*T*	*100*	*Lithostratigraphic unit containing two or more formations, all of which share a unifying characteristic*
SUBGROUP		*False*	*T*	*100*	*Subdivision of a group containing two or more formations*
FORMATION		*False*	*T*	*100*	*A distinct mappable geological unit showing unifying geological characteristics*
MEMBER		*False*	*T*	*100*	*A distinct lithostratigraphic subdivision of a formation*
BED		*False*	*T*	*100*	*A single bed or small stratigraphic interval worthy of separate recognition*
STATE		*False*	*T*	*100*	*Western Australia: State-level tectonic unit*
WATECTUNIT		*False*	*T*	*100*	*State-scale tectonic unit*
SSUITE_TEC		*False*	*T*	*100*	*Supersuite tectonic; all igneous rocks related to a specific tectonic event*
SUITE_TEC		*False*	*T*	*100*	*Suite tectonic; all igneous rocks related to a specific parental magmatic composition generated at a specific time*
CRATON		*False*	*T*	*100*	*Geologically stable part of the Earth's crust, mostly older than 2.4 Ga*
SUPERTERRA		*False*	*T*	*100*	*Superterrane; a group of related terranes*
CRATON_TER		*False*	*T*	*100*	*Craton terrane; a fault-bounded body of rock within a craton, with a distinct geological history*
*DOMAIN_*		*False*	*T*	*100*	*A fault-bounded body of rock within a CRATON_TER*
GREENSTONE		*False*	*T*	*100*	*Greenstone belt or granitic complex*
SUPERBASIN		*False*	*T*	*100*	*A group of related basins of a similar age*
BASIN		*False*	*T*	*100*	*Accumulation of sedimentary rocks in a regional crustal depression*
SUBBASIN		*False*	*T*	*100*	*Structural feature within a BASIN*
SUBBASIN_E		*False*	*T*	*100*	*Sub-basin element; structural feature within a SUBBASIN*
OROGEN		*False*	*T*	*100*	*Tectonic belt characterized by regional deformation, metamorphism, magmatism and related sedimentation*
PROVINCE		*False*	*T*	*100*	*Tectonic unit with a complex deformation, metamorphic and magmatic history*
PROV_TZONE		*False*	*T*	*100*	*Tectonic subdivision of PROVINCE into terranes or zones*
TECT_SUBDI		*False*	*T*	*100*	*Tectonic subdivision of PROV_TZONE*
OROG_FOR		*False*	*T*	*100*	*Orogenic foreland; an area of craton and/or basin reworked by orogenic events*
OROG_FORSU		*False*	*T*	*100*	*Orogenic foreland sub-unit; structural feature within an OROG_FOR*
IN_OUTLIER		*False*	*T*	*100*	*Inlier outlier; older tectonic unit surrounded by younger unit; younger tectonic unit surrounded by older unit*
EVENTS		*False*	*M*		*Deformation and magmatic events affecting the tectonic units to which the geological unit belongs*
AGEFROM		*False*	*T*	*50*	*Maximum possible age of unit as described by geological timescale*
AGETO		*False*	*T*	*50*	*Minimum possible age of unit as described by geological timescale*
MAX_AGE_MA		*False*	*T*	*100*	*Maximum possible age of unit in millions of years*
MAXUNCERTY		*False*	*T*	*100*	*Uncertainty of maximum age of lithostratigraphic unit in plus or minus millions of years*
MIN_AGE_MA		*False*	*T*	*100*	*Minimum possible age of unit in millions of years*
MINUNCERTY		*False*	*T*	*100*	*Uncertainty of minimum age of lithostratigraphic unit in plus or minus millions of years*
MAX_AGE_DA		*False*	*T*	*100*	*Type of constraint on maximum age*
MIN_AGE_DA		*False*	*T*	*100*	*Type of constraint on minimum age*

File name:	**dyke_simple_2747**
Feature category:	Geology
Spatial type:	Arc
Description:	1:100 000 simplified geology lines for map sheet number 2747 (Three Rivers), 2014

Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE		False	T	30	Geological code
JNCODE		False	T	30	Combination of the map sheet number and CODE and for plot purposes

Lookup table:	***dyke_simple_2747_lut***
Description:	*1:100 000 simplified geology lines lookup table*

Field name	***Key***	***Optional***	***Type***	***Width***	***Description***
SORT		*True*	*I*		*Sort order for data legend*
LITHSTRTNO		*True*	*I*		*Geological code identifier linking to Explanatory Notes database*
CODE		*False*	*T*	*30*	*Geological code*
JNCODE		*True*	*T*	*30*	*Combination of Map sheet number and CODE for appending purposes*
*NUMBER_*		*True*	*T*	*13*	*1:100 000 map sheet number*
UNITNAME		*False*	*T*	*100*	*Geological unit name*
GSWASTATUS		*False*	*T*	*30*	*Stratigraphic status of geological unit in Explanatory Notes database*
RANK		*False*	*T*	*15*	*Stratigraphic rank of geological unit*
DESCRIPTN		*False*	*T*	*254*	*Long description of the geological code*
PARENTCODE		*False*	*T*	*50*	*Geological code of the parent unit for the unit displayed in the CODE field*
PARENTNAME		*False*	*T*	*100*	*Name of the parent geological unit for the unit displayed in the CODE field*
ROCKTYPE1		*False*	*T*	*80*	*Rock type (e.g. igneous mafic volcanic)*
LITHNAME1		*False*	*T*	*255*	*Lithological name (e.g. basalt)*
QUALIFIER1		*False*	*T*	*100*	*First feature distinguishing the lithology (e.g. pillowed basalt)*
QUALIFIER2		*False*	*T*	*100*	*Second feature distinguishing the lithology (e.g. carbonate-altered pillowed basalt)*
MIXEDROCK		*False*	*T*	*50*	*Mixed rock types or xenolith-bearing unit*
ROCKTYPE2		*False*	*T*	*80*	*Second rock type in a mixed or xenolith-bearing unit*
LITHNAME2		*False*	*T*	*255*	*Second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL1		*False*	*T*	*100*	*First feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL2		*False*	*T*	*100*	*Second feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
WASTRAUNIT		*False*	*T*	*100*	*State-scale stratigraphic unit*
SUPERSUITE		*False*	*T*	*100*	*Assemblage of intrusive rocks and suites formed during the same magmatic event*
SUITE		*False*	*T*	*100*	*Igneous rock bodies formed during the same magmatic event*
SUPERGROUP		*False*	*T*	*100*	*An assemblage of related groups, or of formations and groups, having significant lithological features in common*
*GROUP_*		*False*	*T*	*100*	*Lithostratigraphic unit containing two or more formations, all of which share a unifying characteristic*
SUBGROUP		*False*	*T*	*100*	*Subdivision of a group containing two or more formations*
FORMATION		*False*	*T*	*100*	*A distinct mappable geological unit showing unifying geological characteristics*
MEMBER		*False*	*T*	*100*	*A distinct lithostratigraphic subdivision of a formation*
BED		*False*	*T*	*100*	*A single bed or small stratigraphic interval worthy of separate recognition*

STATE		*False*	*T*	*100*	*Western Australia: State-level tectonic unit*
WATECTUNIT		*False*	*T*	*100*	*State-scale tectonic unit*
SSUITE_TEC		*False*	*T*	*100*	*Supersuite tectonic; all igneous rocks related to a specific tectonic event*
SUITE_TEC		*False*	*T*	*100*	*Suite tectonic; all igneous rocks related to a specific parental magmatic composition generated at a specific time*
CRATON		*False*	*T*	*100*	*Geologically stable part of the Earth's crust, mostly older than 2.4 Ga*
SUPERTERRA		*False*	*T*	*100*	*Superterrane; a group of related terranes*
CRATON_TER		*False*	*T*	*100*	*Craton terrane; a fault-bounded body of rock within a craton, with a distinct geological history*
*DOMAIN_*		*False*	*T*	*100*	*A fault-bounded body of rock within a CRATON_TER*
GREENSTONE		*False*	*T*	*100*	*Greenstone belt or granitic complex*
SUPERBASIN		*False*	*T*	*100*	*A group of related basins of a similar age*
BASIN		*False*	*T*	*100*	*Accumulation of sedimentary rocks in a regional crustal depression*
SUBBASIN		*False*	*T*	*100*	*Structural feature within a BASIN*
SUBBASIN_E		*False*	*T*	*100*	*Sub-basin element; structural feature within a SUBBASIN*
OROGEN		*False*	*T*	*100*	*Tectonic belt characterized by regional deformation, metamorphism, magmatism and related sedimentation*
PROVINCE		*False*	*T*	*100*	*Tectonic unit with a complex deformation, metamorphic and magmatic history*
PROV_TZONE		*False*	*T*	*100*	*Tectonic subdivision of PROVINCE into terranes or zones*
TECT_SUBDI		*False*	*T*	*100*	*Tectonic subdivision of PROV_TZONE*
OROG_FOR		*False*	*T*	*100*	*Orogenic foreland; an area of craton and/or basin reworked by orogenic events*
OROG_FORSU		*False*	*T*	*100*	*Orogenic foreland sub-unit; structural feature within an OROG_FOR*
IN_OUTLIER		*False*	*T*	*100*	*Inlier outlier; older tectonic unit surrounded by younger unit; younger tectonic unit surrounded by older unit*
EVENTS		*False*	*M*		*Deformation and magmatic events affecting the tectonic units to which the geological unit belongs*
AGEFROM		*False*	*T*	*50*	*Maximum possible age of unit as described by geological timescale*
AGETO		*False*	*T*	*50*	*Minimum possible age of unit as described by geological timescale*
MAX_AGE_MA		*False*	*T*	*100*	*Maximum possible age of unit in millions of years*
MAXUNCERTY		*False*	*T*	*100*	*Uncertainty of maximum age of lithostratigraphic unit in plus or minus millions of years*
MIN_AGE_MA		*False*	*T*	*100*	*Minimum possible age of unit in millions of years*
MINUNCERTY		*False*	*T*	*100*	*Uncertainty of minimum age of lithostratigraphic unit in plus or minus millions of years*
MAX_AGE_DA		*False*	*T*	*100*	*Type of constraint on maximum age*
MIN_AGE_DA		*False*	*T*	*100*	*Type of constraint on minimum age*

File name:	**geology_simple_2747**				
Feature category:	Geology				
Spatial type:	Polygon				
Description:	1:100 000 simplified geology polygons for map sheet number 2747 (Three Rivers), 2014				
Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE		False	T	30	Geological code
JNCODE		True	T	30	Combination of the map sheet number and CODE and for plot purposes
Lookup table:	***geology_simple_2747_lut***				
Description:	*1:100 000 simplified geology polygons lookup table*				
Field name	***Key***	***Optional***	***Type***	***Width***	***Description***

SORT		*True*	*I*		*Sort order for data legend*
LITHSTRTNO		*True*	*I*		*Geological code identifier linking to Explanatory Notes database*
CODE		*False*	*T*	*30*	*Geological code*
JNCODE		*True*	*T*	*30*	*Combination of Map sheet number and CODE for appending purposes*
*NUMBER_*		*True*	*T*	*13*	*1:100 000 map sheet number*
UNITNAME		*False*	*T*	*100*	*Geological unit name*
GSWASTATUS		*False*	*T*	*30*	*Stratigraphic status of geological unit in Explanatory Notes database*
RANK		*False*	*T*	*15*	*Stratigraphic rank of geological unit*
DESCRIPTN		*False*	*T*	*254*	*Long description of the geological code*
PARENTCODE		*False*	*T*	*50*	*Geological code of the parent unit for the unit displayed in the CODE field*
PARENTNAME		*False*	*T*	*100*	*Name of the parent geological unit for the unit displayed in the CODE field*
ROCKTYPE1		*False*	*T*	*80*	*Rock type (e.g. igneous mafic volcanic)*
LITHNAME1		*False*	*T*	*255*	*Lithological name (e.g. basalt)*
QUALIFIER1		*False*	*T*	*100*	*First feature distinguishing the lithology (e.g. pillowed basalt)*
QUALIFIER2		*False*	*T*	*100*	*Second feature distinguishing the lithology (e.g. carbonate-altered pillowed basalt)*
MIXEDROCK		*False*	*T*	*50*	*Mixed rock types or xenolith-bearing unit*
ROCKTYPE2		*False*	*T*	*80*	*Second rock type in a mixed or xenolith-bearing unit*
LITHNAME2		*False*	*T*	*255*	*Second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL1		*False*	*T*	*100*	*First feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL2		*False*	*T*	*100*	*Second feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
WASTRAUNIT		*False*	*T*	*100*	*State-scale stratigraphic unit*
SUPERSUITE		*False*	*T*	*100*	*Assemblage of intrusive rocks and suites formed during the same magmatic event*
SUITE		*False*	*T*	*100*	*Igneous rock bodies formed during the same magmatic event*
SUPERGROUP		*False*	*T*	*100*	*An assemblage of related groups, or of formations and groups, having significant lithological features in common*
*GROUP_*		*False*	*T*	*100*	*Lithostratigraphic unit containing two or more formations, all of which share a unifying characteristic*
SUBGROUP		*False*	*T*	*100*	*Subdivision of a group containing two or more formations*
FORMATION		*False*	*T*	*100*	*A distinct mappable geological unit showing unifying geological characteristics*
MEMBER		*False*	*T*	*100*	*A distinct lithostratigraphic subdivision of a formation*
BED		*False*	*T*	*100*	*A single bed or small stratigraphic interval worthy of separate recognition*
STATE		*False*	*T*	*100*	*Western Australia: State-level tectonic unit*
WATECTUNIT		*False*	*T*	*100*	*State-scale tectonic unit*
SSUITE_TEC		*False*	*T*	*100*	*Supersuite tectonic; all igneous rocks related to a specific tectonic event*
SUITE_TEC		*False*	*T*	*100*	*Suite tectonic; all igneous rocks related to a specific parental magmatic composition generated at a specific time*
CRATON		*False*	*T*	*100*	*Geologically stable part of the Earth's crust, mostly older than 2.4 Ga*
SUPERTERRA		*False*	*T*	*100*	*Superterrane; a group of related terranes*
CRATON_TER		*False*	*T*	*100*	*Craton terrane; a fault-bounded body of rock within a craton, with a distinct geological history*
*DOMAIN_*		*False*	*T*	*100*	*A fault-bounded body of rock within a CRATON_TER*
GREENSTONE		*False*	*T*	*100*	*Greenstone belt or granitic complex*
SUPERBASIN		*False*	*T*	*100*	*A group of related basins of a similar age*

BASIN		*False*	*T*	*100*	*Accumulation of sedimentary rocks in a regional crustal depression*
SUBBASIN		*False*	*T*	*100*	*Structural feature within a BASIN*
SUBBASIN_E		*False*	*T*	*100*	*Sub-basin element; structural feature within a SUBBASIN*
OROGEN		*False*	*T*	*100*	*Tectonic belt characterized by regional deformation, metamorphism, magmatism and related sedimentation*
PROVINCE		*False*	*T*	*100*	*Tectonic unit with a complex deformation, metamorphic and magmatic history*
PROV_TZONE		*False*	*T*	*100*	*Tectonic subdivision of PROVINCE into terranes or zones*
TECT_SUBDI		*False*	*T*	*100*	*Tectonic subdivision of PROV_TZONE*
OROG_FOR		*False*	*T*	*100*	*Orogenic foreland; an area of craton and/or basin reworked by orogenic events*
OROG_FORSU		*False*	*T*	*100*	*Orogenic foreland sub-unit; structural feature within an OROG_FOR*
IN_OUTLIER		*False*	*T*	*100*	*Inlier outlier; older tectonic unit surrounded by younger unit; younger tectonic unit surrounded by older unit*
EVENTS		*False*	*M*		*Deformation and magmatic events affecting the tectonic units to which the geological unit belongs*
AGEFROM		*False*	*T*	*50*	*Maximum possible age of unit as described by geological timescale*
AGETO		*False*	*T*	*50*	*Minimum possible age of unit as described by geological timescale*
MAX_AGE_MA		*False*	*T*	*100*	*Maximum possible age of unit in millions of years*
MAXUNCERTY		*False*	*T*	*100*	*Uncertainty of maximum age of lithostratigraphic unit in plus or minus millions of years*
MIN_AGE_MA		*False*	*T*	*100*	*Minimum possible age of unit in millions of years*
MINUNCERTY		*False*	*T*	*100*	*Uncertainty of minimum age of lithostratigraphic unit in plus or minus millions of years*
MAX_AGE_DA		*False*	*T*	*100*	*Type of constraint on maximum age*
MIN_AGE_DA		*False*	*T*	*100*	*Type of constraint on minimum age*

File name:	**geology_surface_2747**
Feature category:	Geology
Spatial type:	Polygon
Description:	1:100 000 surface geology polygons for map sheet number 2747 (Three Rivers), 2014

Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
CODE		False	T	30	Geological code
JNCODE		True	T	30	Combination of the map sheet number and CODE and for plot purposes

Lookup table:	***geology_surface_2747_lut***
Description:	*1:100 000 surface geology polygons lookup table*

Field name	***Key***	***Optional***	***Type***	***Width***	***Description***
SORT		*True*	*I*		*Sort order for data legend*
LITHSTRTNO		*True*	*I*		*Geological code identifier linking to Explanatory Notes database*
CODE		*False*	*T*	*30*	*Geological code*
JNCODE		*True*	*T*	*30*	*Combination of Map sheet number and CODE for appending purposes*
*NUMBER_*		*True*	*T*	*13*	*1:100 000 map sheet number*
UNITNAME		*False*	*T*	*100*	*Geological unit name*
GSWASTATUS		*False*	*T*	*30*	*Stratigraphic status of geological unit in Explanatory Notes database*
RANK		*False*	*T*	*15*	*Stratigraphic rank of geological unit*
DESCRIPTN		*False*	*T*	*254*	*Long description of the geological code*
PARENTCODE		*False*	*T*	*50*	*Geological code of the parent unit for the unit displayed in the CODE field*
PARENTNAME		*False*	*T*	*100*	*Name of the parent geological unit for the unit displayed*

					in the CODE field
ROCKTYPE1		*False*	*T*	*80*	*Rock type (e.g. igneous mafic volcanic)*
LITHNAME1		*False*	*T*	*255*	*Lithological name (e.g. basalt)*
QUALIFIER1		*False*	*T*	*100*	*First feature distinguishing the lithology (e.g. pillowed basalt)*
QUALIFIER2		*False*	*T*	*100*	*Second feature distinguishing the lithology (e.g. carbonate-altered pillowed basalt)*
MIXEDROCK		*False*	*T*	*50*	*Mixed rock types or xenolith-bearing unit*
ROCKTYPE2		*False*	*T*	*80*	*Second rock type in a mixed or xenolith-bearing unit*
LITHNAME2		*False*	*T*	*255*	*Second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL1		*False*	*T*	*100*	*First feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
MIXEDQUAL2		*False*	*T*	*100*	*Second feature distinguishing the second lithology in a mixed or xenolith-bearing unit*
REGOLITH		*False*	*T*	*60*	*Primary regolith–landform environment or process*
WASTRAUNIT		*False*	*T*	*100*	*State-scale stratigraphic unit*
SUPERSUITE		*False*	*T*	*100*	*Assemblage of intrusive rocks and suites formed during the same magmatic event*
SUITE		*False*	*T*	*100*	*Igneous rock bodies formed during the same magmatic event*
SUPERGROUP		*False*	*T*	*100*	*An assemblage of related groups, or of formations and groups, having significant lithological features in common*
*GROUP_*		*False*	*T*	*100*	*Lithostratigraphic unit containing two or more formations, all of which share a unifying characteristic*
SUBGROUP		*False*	*T*	*100*	*Subdivision of a group containing two or more formations*
FORMATION		*False*	*T*	*100*	*A distinct mappable geological unit showing unifying geological characteristics*
MEMBER		*False*	*T*	*100*	*A distinct lithostratigraphic subdivision of a formation*
BED		*False*	*T*	*100*	*A single bed or small stratigraphic interval worthy of separate recognition*
STATE		*False*	*T*	*100*	*Western Australia: State-level tectonic unit*
WATECTUNIT		*False*	*T*	*100*	*State-scale tectonic unit*
SSUITE_TEC		*False*	*T*	*100*	*Supersuite tectonic; all igneous rocks related to a specific tectonic event*
SUITE_TEC		*False*	*T*	*100*	*Suite tectonic; all igneous rocks related to a specific parental magmatic composition generated at a specific time*
CRATON		*False*	*T*	*100*	*Geologically stable part of the Earth's crust, mostly older than 2.4 Ga*
SUPERTERRA		*False*	*T*	*100*	*Superterrane; a group of related terranes*
CRATON_TER		*False*	*T*	*100*	*Craton terrane; a fault-bounded body of rock within a craton, with a distinct geological history*
*DOMAIN_*		*False*	*T*	*100*	*A fault-bounded body of rock within a CRATON_TER*
GREENSTONE		*False*	*T*	*100*	*Greenstone belt or granitic complex*
SUPERBASIN		*False*	*T*	*100*	*A group of related basins of a similar age*
BASIN		*False*	*T*	*100*	*Accumulation of sedimentary rocks in a regional crustal depression*
SUBBASIN		*False*	*T*	*100*	*Structural feature within a BASIN*
SUBBASIN_E		*False*	*T*	*100*	*Sub-basin element; structural feature within a SUBBASIN*
OROGEN		*False*	*T*	*100*	*Tectonic belt characterized by regional deformation, metamorphism, magmatism and related sedimentation*
PROVINCE		*False*	*T*	*100*	*Tectonic unit with a complex deformation, metamorphic and magmatic history*
PROV_TZONE		*False*	*T*	*100*	*Tectonic subdivision of PROVINCE into terranes or zones*
TECT_SUBDI		*False*	*T*	*100*	*Tectonic subdivision of PROV_TZONE*
OROG_FOR		*False*	*T*	*100*	*Orogenic foreland; an area of craton and/or basin reworked by orogenic events*
OROG_FORSU		*False*	*T*	*100*	*Orogenic foreland sub-unit; structural feature within an OROG_FOR*

IN_OUTLIER		*False*	*T*	*100*	*Inlier outlier; older tectonic unit surrounded by younger unit; younger tectonic unit surrounded by older unit*
EVENTS		*False*	*M*		*Deformation and magmatic events affecting the tectonic units to which the geological unit belongs*
AGEFROM		*False*	*T*	*50*	*Maximum possible age of unit as described by geological timescale*
AGETO		*False*	*T*	*50*	*Minimum possible age of unit as described by geological timescale*
MAX_AGE_MA		*False*	*T*	*100*	*Maximum possible age of unit in millions of years*
MAXUNCERTY		*False*	*T*	*100*	*Uncertainty of maximum age of lithostratigraphic unit in plus or minus millions of years*
MIN_AGE_MA		*False*	*T*	*100*	*Minimum possible age of unit in millions of years*
MINUNCERTY		*False*	*T*	*100*	*Uncertainty of minimum age of lithostratigraphic unit in plus or minus millions of years*
MAX_AGE_DA		*False*	*T*	*100*	*Type of constraint on maximum age*
MIN_AGE_DA		*False*	*T*	*100*	*Type of constraint on minimum age*

File name:	**linear_2747**
Feature category:	Geology
Spatial type:	Arc
Description:	1:100 000 surface geology structural lines for map sheet number 2747 (Three Rivers), 2014

Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
FEATURE		False	T	150	Describes the feature
TYPE		False	T	150	Type of feature
NAME		True	T	50	The name of the geological feature
CODE		True	T	30	Geological code – for tagging aeromagnetic lineaments from dykes only
DIP		False	I		Dip (or declination) angle
EVENT		True	T	150	Deformation event
SYMBOL		False	T	254	Combination of FEATURE and TYPE for plot purposes
JNCODE		True	T	254	Combination of the map sheet number, FEATURE and TYPE for plot purposes

File name:	**linear_simple_2747**
Feature category:	Geology
Spatial type:	Arc
Description:	1:100 000 simplified geology structural lines for map sheet number 2747 (Three Rivers), 2014

Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
FEATURE		False	T	150	Describes the feature
TYPE		False	T	150	Type of feature
NAME		False	T	50	The name of the geological feature
CODE		True	T	30	Geological code
DIP		True	I		Dip (or declination) angle
SYMBOL		False	T	254	Combination of FEATURE and TYPE for plot purposes
JNCODE		True	T	254	Combination of the map sheet number, FEATURE and TYPE and for plot purposes

File name:	**section_line_2747**
Feature category:	Geology
Spatial type:	Arc
Description:	1:100 000 location of diagrammatic section lines for

	map sheet number 2747 (Three Rivers), 2014				
Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
FEATURE		False	T	40	Describes the feature
LINE_ID		False	T	10	Diagrammatic section line identification
SECTIONPDF		False	T	40	Name of PDF file containing diagrammatic section

File name:	**warox_2747**
Feature category:	Geology
Spatial type:	Point
Description:	GSWA field observations from WAROX database as at August 2014

Item name	**Key**	**Optional**	**Type**	**Width**	**Description**
SITEID		False	T	23	User-defined site identifier
FEATURE		False	T	150	Describes the feature
TYPE		False	T	150	Type of feature
STRIKE		False	I		Azimuth; rotation from north (true/grid/magnetic)
DIP_DIR		False	I		Direction of dip (STRIKE+90°)
DIP		False	I		Dip (or declination) angle
PLUNGE		False	I		Direction (for folds only); initiated to 0 (zero)
TREND		False	I		Trend direction, initiated to 0 (zero)
EVENT		False	I		Deformation event
STRUCTYPEI		False	T	10	Structural type within WAROX structures table for DMP plot purposes
ROT_ANGLE		False	I		Rotation angle for legend symbol
JNCODE		False	T	254	Combination of map sheet number, FEATURE and TYPE for appending purposes