

Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary

Hydrology Reporting Regions

Version 2.1 – November 2012



Australian Government
Bureau of Meteorology



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Geofabric Hydrology Reporting Regions V2.1

Table Of Contents

ObjectClasses	<i>Listing of Tables and FeatureClasses.</i>
Relationships	<i>Listing of Geodatabase Relationships.</i>
Spatial Reference	<i>Listing of Spatial References used by FeatureClasses and FeatureDatasets.</i>

[Back to Top](#)

ObjectClasses

ObjectClass Name	Type	Geometry Subtype	
HR_Regions			Spatial References
AWRADrainageDivision	Simple	FeatureClass Polygon	-
RiverRegion	Simple	FeatureClass Polygon	-
Stand Alone ObjectClass(s)			
AWRADDContractedCatchmentLookup	Table	-	-
RRContractedCatchmentLookup	Table	-	-

[Back to Top](#)

AWRADDContractedCatchmentLookup

Alias AWRADDContractedCatchmentLookup

Dataset Type Table

FeatureType

Field Name	Alias Name	Model Name	Type	Precn.	Scale	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
ConCatID	ContractedCatchmentID	ConCatID	Integer	0	0	4	Yes
AWRADDID			Integer	0	0	4	Yes

Subtype Name	Default Value	Domain
Index Name	Ascending	Unique
FDO_OBJECTID	Yes	Yes
GDB_21_AWRADDID	Yes	No
		Fields
		OBJECTID
		AWRADDID

[Back to Top](#)

AWRADrainageDivision

Alias	AWRADrainageDivision	Geometry:Polygon					
Dataset Type	FeatureClass	Average Number of Points:0					
FeatureType	Simple	Has M:No					
		Has Z:No					
		Grid Size:1,000					
Field Name	Alias Name	Model Name	Type	Precn.	Scale	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
DivNumber	DivisionNumber	DivNumber	String	0	0	50	Yes
Division			String	0	0	50	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	0	0	25	No
SrcFType	SourceFeatureType	SrcFType	String	0	0	32	No
SrcType	SourceType	SrcType	Integer	0	0	4	Yes
SourceID			Integer	0	0	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	0	0	8	Yes
FSource	FeatureSource	FSource	String	0	0	25	No
AttrRel	AttributeReliability	AttrRel	Date	0	0	8	Yes
AttrSource	AttributeSource	AttrSource	String	0	0	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	0	0	2	Yes
Symbol			Small Integer	0	0	2	Yes
TextNote			String	0	0	50	Yes
AlbersArea			Double	0	0	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	0	0	8	Yes
Shape_Area	Shape_Area	Shape_Area	Double	0	0	8	Yes
Subtype Name	Default Value		Domain				
Index Name	Ascending	Unique	Fields				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				
GDB_23_HydroID	Yes	No	HydroID				

[Back to Top](#)

RiverRegion

Alias	RiverRegion	Geometry:Polygon					
Dataset Type	FeatureClass	Average Number of Points:0					
		Has M:No					
FeatureType	Simple	Has Z:No					
		Grid Size:1,000					
Field Name	Alias Name	Model Name	Type	Precn.	Scale	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
Division			String	0	0	50	Yes
RivRegNum	RiverRegionNumber	RivRegNum	String	0	0	50	Yes
RivRegName	RiverRegionName	RivRegName	String	0	0	50	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	0	0	25	No
SrcFType	SourceFeatureType	SrcFType	String	0	0	32	No
SrcType	SourceType	SrcType	Integer	0	0	4	Yes
SourceID			Integer	0	0	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	0	0	8	Yes
FSource	FeatureSource	FSource	String	0	0	25	No
AttrRel	AttributeReliability	AttrRel	Date	0	0	8	Yes
AttrSource	AttributeSource	AttrSource	String	0	0	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	0	0	2	Yes
Symbol			Small Integer	0	0	2	Yes
TextNote			String	0	0	50	Yes
AlbersArea			Double	0	0	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	0	0	8	Yes
Shape_Area	Shape_Area	Shape_Area	Double	0	0	8	Yes
Subtype Name	Default Value		Domain				
Index Name	Ascending	Unique	Fields				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				
GDB_24_HydroID	Yes	No	HydroID				

[Back to Top](#)

RRContractedCatchmentLookup

Alias	RRContractedCatchmentLookup						
Dataset Type	Table						
FeatureType							
Field Name	Alias Name	Model Name	Type	Precn.	Scale	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
ConCatID	ContractedCatchmentID	ConCatID	Integer	0	0	4	Yes
RRID	RiverRegionID	RRID	Integer	0	0	4	Yes
Subtype Name	Default Value		Domain				
Index Name	Ascending	Unique	Fields				
FDO_OBJECTID	Yes	Yes	OBJECTID				
GDB_22_RRID	Yes	No	RRID				

[Back to Top](#)

Relationships

Name	Origin	Destination	Attributed	Composite	Rules
DrainDivMapsToConCatchment	AWRADrainageDivision	AWRADDContractedCatchmentLookup	No	No	No
RiverRegMapsToConCatchment	RiverRegion	RRContractedCatchmentLookup	No	No	No

DrainDivMapsToConCatchment

Composite	No	
Cardinality	One To Many	
Notification	None	
Attributed	No	
	Origin	Destination
ObjectClass	AWRADrainageDivision	AWRADDContractedCatchmentLookup
Key	HydroID (<i>Origin Primary Key</i>)	AWRADDID (<i>Origin Foreign Key</i>)
Labels	is mapped to	maps to

[Back to Top](#)

RiverRegMapsToConCatchment

Composite	No	
Cardinality	One To Many	
Notification	None	
Attributed	No	
	Origin	Destination
ObjectClass	RiverRegion	RRContractedCatchmentLookup
Key	HydroID (<i>Origin Primary Key</i>)	RRID (<i>Origin Foreign Key</i>)
Labels	is mapped to	maps to

[Back to Top](#)

Spatial References

Dimension	Minimum	Precision
HR_Regions		
X	-400	1,000,000,000
Y	-400	
M	0	100,000
Z	0	100,000

Coordinate System Description

```
GEOGCS["GCS_GDA_1994",  
DATUM["D_GDA_1994",  
SPHEROID["GRS_1980",6378137.0,298.257222101]],  
PRIMEM["Greenwich",0.0],  
UNIT["Degree",0.0174532925199433],  
AUTHORITY["EPSG",4283]]
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[Back to Top](#)



Water Information
DATA › INFORMATION › INSIGHT

Through the *Water Act 2007*, the Australian Government has given the Bureau of Meteorology responsibility for compiling and delivering comprehensive water information across Australia.

For more information

Visit our website at www.bom.gov.au/water

Send an email request to waterinfo@bom.gov.au



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