

# Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary

Groundwater Cartography

Version 2.1 – November 2012



**Australian Government**  
**Bureau of Meteorology**



## Contact details

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## Geofabric Groundwater Cartography V2.1

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## Domains

Domain Name	Domain Type
<a href="#">AHGF_InterimAquiferFramework</a>	Coded Value
<a href="#">AHGFAquiferBoundaryType</a>	Coded Value
<a href="#">AHGFAquiferContourType</a>	Coded Value
<a href="#">AHGFAquiferOutcropType</a>	Coded Value
<a href="#">AHGFContourDepthRange</a>	Range Domain
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<a href="#">AHGFWaterTableAquiferType</a>	Coded Value
<a href="#">HydraulicConductivityRange</a>	Range Domain
<a href="#">SalinityClass</a>	Coded Value
<a href="#">SalinityRange</a>	Range Domain
<a href="#">SalinityValue</a>	Coded Value
<a href="#">SpecificYieldRange</a>	Range Domain
<a href="#">YieldClass</a>	Coded Value
<a href="#">YieldRange</a>	Range Domain
<a href="#">YieldValue</a>	Coded Value

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## AHGF\_InterimAquiferFramework

<b>Description</b>	Classification of similar aquifer characteristics.	
<b>Domain Type</b>	Coded Value	
<b>Field Type</b>	Integer	
<b>Merge Policy</b>	Default Value	
<b>Split Policy</b>	Default Value	
<b>Domain Members</b>		
<b>Name</b>		<b>Value</b>
Surficial Sediment Aquifer (porous media - unconsolidated)		1
Upper Tertiary/Quaternary Aquifer (porous media - unconsolidated)		2
Upper Tertiary/Quaternary Aquitard (porous media - unconsolidated)		3
Upper Tertiary Aquifer (porous media - unconsolidated)		4
Upper Tertiary Aquitard (porous media - unconsolidated)		5
Upper Mid-Tertiary Aquifer (porous media - unconsolidated)		6
Upper Mid-Tertiary Aquitard (porous media - unconsolidated)		7
Lower Mid-Tertiary Aquifer (porous media - unconsolidated)		8
Lower Mid-Tertiary Aquitard (porous media - unconsolidated)		9
Lower Tertiary Aquifer (porous media - unconsolidated)		10
Tertiary Basalt Aquifer (fractured rock)		11
Tertiary Sediments (fractured rock)		12
Mesozoic Sediment Aquifer (porous media - consolidated)		13
Mesozoic Fractured Rock Aquifer		14
Jurassic (GAB intake beds) (porous media - consolidated)		15
Mesozoic (GAB) (porous media - consolidated)		16
Fractured and Karstic Rocks, Local Aquifers		17
Fractured and Karstic Rocks, Regional Scale Aquifers		18
Palaeozoic and Pre-Cambrian Fractured Rock Aquifers (low permeability)		19
Palaeozoic and Pre-Cambrian Fractured Rock Aquifers (consolidated and partly porous)		20
Late Permian/Triassic intrusives and volcanics fractured rock aquifers		21
Late Permian/Triassic sediments (porous media - consolidated)		22
Palaeozoic and Pre-Cambrian Fractured Rock Aquifers (low fracture density and very low permeability)		23
Undifferentiated non-outcropping sediments including palaeo-channels, glacial sediments and coal measures (porous media - unconsolidated)		24
Water Body		25
Cainozoic Aquifer (porous media - consolidated)		29
Unassigned due to lack of codes		30
Unknown		-99

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## AHGFAquiferBoundaryType

<b>Description</b>	Boundaries of underlying, outcropping & subcropping aquifers.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
AquiferBoundary	66

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## AHGFAquiferContourType

<b>Description</b>	Subtypes of aquifer surface contours.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
AquiferContourTop	68
AquiferContourBottom	69
BedrockContourTop	73

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## AHGFAquiferOutcropType

<b>Description</b>	Outcrop areas of aquifers.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
AquiferOutcrop	67

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## AHGFContourDepthRange

<b>Description</b>	Range of valid aquifer contour depth values.
<b>Domain Type</b>	Range Domain
<b>Field Type</b>	Double
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
MinValue	-5,000
MaxValue	9,999

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## AHGFGroundwaterSourceDescription

<b>Description</b>	Detailed source descriptions for groundwater data.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
Bain, J.H.C., Haipola, D., 1997, North Queensland Geology 1:1,000,000, Australian Geological Survey Organisation & Geological Survey of Queensland.	1
Blake, D.H., 1987, Mt Isa Inlier and Environs 1:500,000, Bureau of Mineral Resources.	2
Brown, C.M. and Stephenson, A.E., 1991, Geology of the Murray Basin, south-eastern Australia, 1:1,000,000 scale map, Bureau of Mineral Resources.	3
Bultitude R.J., Garrod P.D., and Roberts C.W., 1997, Hodgkinson Province Geology 2nd Ed. 1:500,000, Geological Survey of Queensland.	4
Bureau of Rural Science	5
Burra 1:250,000 sheet area compiled from PIRSA 1:250,000 scale digital data, 2006.	6
Compiled from PIRSA 1:250,000 scale digital coverage of South Australia, 2005, with Mesoproterozoic and Palaeoproterozoic rock associations updated from more recent unpublished PIRSA information.	7
Compiled from PIRSA 1:250,000 scale digital coverage of South Australia, 2005.	8
Cronfield, L.C., 1992, Maryborough Geology 1:250,000, Geological Survey of Queensland.	9
Department of Environment and Heritage, South Australia	10
Department of Environment and Resource Management, Queensland	11
Department of Natural Resources, Environment and the Arts, Northern Territory	12
Department of Natural Resources, New South Wales	13
Department of Primary Industry, Parks, Water and Environment, Tasmania	14
Department of Sustainability and Environment, Victoria	15
Department of Water, Western Australia	16
Exon, N.F., 1976, Geology of the Northern Part of the Surat Basin 1:1,000,000, Bureau of Mineral Resources.	17
Not Used (Geodata coastline 1:250,000 version 2, Geoscience Australia.)	18
Geological Survey of New South Wales 1:100,000 scale maps, 2000-2004. Simplified, edge	19

## Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary - Groundwater Cartography

matched and modified for representation at 1:1 million scale.	
Geological Survey of New South Wales, Cobar Geoscience Database, 1:100,000 scale mapping, 2000. Simplified, edge matched and modified for representation at 1:1 million scale.	20
Geological Survey of New South Wales, Statewide geodatabase, 1:250,000 scale or better, 2003. Simplified, edge matched and modified for representation at 1:1 million scale.	21
Geological Survey of New South Wales, Statewide geodatabase, 1:250,000 scale or better, 2005 updated data (unpublished). Simplified, edge matched and modified for representation at 1:1 million scale.	22
Geological Survey of New South Wales, Statewide geodatabase, 1:250,000 scale or better, 2007. Data relocated or amended based on recent satellite and radiometric imagery.	23
Geological Survey of New South Wales, Statewide geodatabase, 1:250,000 scale or better, 2007. Simplified, edge matched and modified for representation at 1:1 million scale.	24
Geological Survey of New South Wales, Statewide geodatabase, 2003. Outcrop extents considerably modified by new radiometric and Landsat interpretation.	25
Geological Survey of Queensland, 1:100,000 scale geological maps, 2001. Simplified, edge matched and modified for representation at 1:1 million scale.	26
Geological Survey of Queensland, 1:100,000 scale geological maps, July 2004. Simplified, edge matched and modified for representation at 1:1 million scale.	27
Geological Survey of Queensland, Australian Geological Survey Organisation 1:250,000 scale geological maps, 2nd Edition, 1995-1996. Simplified, edge matched and modified for representation at 1:1 million scale.	28
Geological Survey of Queensland, Bundaberg 1:250,000 compilation in progress, 2003-2004.	29
Geological Survey of Victoria state geological map, 1:1,000,000 scale, 1999. Modified and edge matched to New South Wales and South Australia; granitoid names added from more detailed GSV maps.	30
Geoscience Australia	31
Geoscience Victoria 1:100,000 scale geological maps. Simplified, edge matched and modified for representation at 1:1 million scale.	32
Geoscience Victoria 1:50,000 scale geological maps. Simplified, edge matched and modified for representation at 1:1 million scale.	33
Glikson et al. 1996 Geology of the Western Musgrave Block, central Australia with particular reference to the mafic-ultramafic Giles Complex. Australian Geological Survey Bulletin 239 Plate 1.	34
Grimes, K.G., Fraser Island Special Geology 1:250,000, Geological Survey of Queensland.	35
Maitland 1:250,000 sheet area compiled from PIRSA 1:250,000 scale digital data, 2006.	36
Malone E.J., Olgers F., Mollan R.G., Jensen A.R., 1967, Bowen Basin Geology 1:1,000,000, Bureau of Mineral Resources.	37
Mond, A., Senior, B.R., Matueev, G., Swoboda, R., 1977, Geology of North Western Eromanga Basin 1:1,000,000, Bureau of Mineral Resources.	38
Murray-Darling Basin Authority	39
Office of Water, New South Wales	40
Pain, A.G.L., Cameron R.L. and Sweet I.P., 1980, Burdekin River Region 1:500,000, Geological Survey of Queensland & Bureau of Mineral Resources.	41
Palaeozoic from Geological Survey of New South Wales 1:100,000 scale maps, 2000-2004. Simplified and modified for representation at 1:1 million scale. Cainozoic simplified from GSNSW State-wide geodatabase, 1:250,000 scale, 2003.	42
Palaeozoic-Proterozoic: Laing,W.P., Preiss,W.V. and Stevens,B.P.J., 1996. Outcrop geology of the Curnamona Province and surrounding Neoproterozoic and Palaeozoic belts, 1:500,000 scale map. Cainozoic from GSNSW State-wide geodatabase, 1:250,000 scale.	43

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Primarily from Geology of Tasmania, 1:500,000 scale map, Tasmanian Geological Survey, 1999. Granite nomenclature and minor boundaries updated from Tasmanian Granites and Associated Mineralisation, 1:500,000 scale map, Mineral Resources Tasmania, 2005.	44
Published 1:100,000 scale geological maps (Geological Survey of WA, 2008).	45
Published 1:250,000 and 1:100,000 scale geological maps (Geological Survey of WA, and Geoscience Australia), supplemented in parts by more recent GA Solid Geology interpretation of the Patterson area (2008).	46
Published 1:250,000 and 1:100,000 scale geological maps (Geological Survey of WA, and Geoscience Australia), supplemented in parts by more recent stratigraphic classification in GSWA Record 2006/15.	47
Published 1:250,000 scale geological maps (Geological Survey of WA, and Geoscience Australia), supplemented in parts by GSWA Bulletin 134 (1988).	48
Published 1:250,000 scale geological maps (Geological Survey of WA, and Geoscience Australia), supplemented in parts by more recent stratigraphic classification in GSWA 1:500,000 scale Solid Geology dataset (2008).	49
Raymond, O.L., 1993, Wagga Wagga - Kyeamba Region, 1:100,000 scale geological map, Australian Geological Survey Organisation.	50
Senior, B.R., Johnston, I.D., 1974, Geology of the Central Eromanga Basin 1:1,000,000, Bureau of Mineral Resources.	51
Senior, B.R., Swoboda, R., Mond, A., 1977, Geology of Northern Eromanga Basin 1:1,000,000, Bureau of Mineral Resources.	52
Simplified from 1:100,000 scale maps published by Geoscience Australia and Northern Territory Geological Survey	53
Simplified from 1:250,000 (and some 1:500,000) scale maps published by Geoscience Australia (previously BMR) and Northern Territory Geological Survey. Some unit descriptions, ages and associations updated from recent mapping by NTGS (2003-6)	54
Sinclair Knight Merz	55
Smout, J., Grimes, K.G., Poutch, H.F., Swoboda, R.A., Russell, E.A., 1980, Carpentaria and Karumba Basins 1:1,000,000, Geological Survey of Queensland & Bureau of Mineral Resources.	56
Southern Rural Water	57
Sweet, I.P., 2006, 1:100,000 scale geological maps. Simplified, edge matched and modified for representation at 1:1 million scale, Geoscience Australia.	58
Unknown	59
Willmot, F.W. and Chertok, I., 1972, Cape York Peninsula & Torres Strait 1:500,000, Bureau of Mineral Resources.	60
Withnal I.W., Blake P.R., Crouch S.B.S. and Rapkins P.I., 1995, Anakie Inlier 1:100,000 special, Geological Survey of Queensland.	61
Withnal, I., 2004, Port Clinton Geology 1:100,000, Geological Survey of Queensland.	62

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### AHGFSurficialHydrogeologicUnitType

<b>Description</b>	Surficial units of similar hydrogeologic properties.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
SurficialHydrogeologicUnit	70

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### AHGFWaterTableAquiferType

<b>Description</b>	Water table units of similar hydrogeologic properties.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
WaterTableAquifer	71

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### HydraulicConductivityRange

<b>Description</b>	Range of valid Hydraulic Conductivity values.
<b>Domain Type</b>	Range Domain
<b>Field Type</b>	Double
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
MinValue	1.0000000000000001e-005
MaxValue	1,000

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## SalinityClass

<b>Description</b>	Broad classification of salinity (Non-saline/Saline).
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	String
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value

### Domain Members

<b>Name</b>	<b>Value</b>
Non-Saline (<3,000mg/L)	Non-Saline (<3,000mg/L)
Saline (>3,000mg/L)	Saline (>3,000mg/L)
Unknown	Unknown
No Data	No Data

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## SalinityRange

<b>Description</b>	Range of valid salinity values.
<b>Domain Type</b>	Range Domain
<b>Field Type</b>	Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value

### Domain Members

<b>Name</b>	<b>Value</b>
MinValue	0
MaxValue	200,000

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## SalinityValue

<b>Description</b>	Broad classification of salinity (Non-saline/Saline).
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	String
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
Unknown	0
< 250	1
< 500	2
250 - 500	3
< 1,000	4
500 - 1,000	5
< 1,500	6
500 - 1,500	7
1,000 - 1,500	8
< 3,000	9
1,000 - 3,000	10
> 3,000	11
1,000 - 3,500	12
1,500 - 3,000	13
3,000 - 5,000	14
> 5,000	15
3,000 - 6,000	16
3,000 - 7,000	17
3,500 - 7,000	18
> 7,000	19
3,500 - 13,000	20
6,000 - 12,000	21
> 12,000	22
7,000 - 13,000	23
> 13,000	24
7,000 - 14,000	25
> 14,000	26
13,000 - 35,000	27
14,000 - 35,000	28
> 35,000	29
> 100,000	30
No Data	31

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## SpecificYieldRange

<b>Description</b>	Range of valid Specific Yield values.
<b>Domain Type</b>	Range Domain
<b>Field Type</b>	Double
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
MinValue	0.0001
MaxValue	0.200000000000000001

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## YieldClass

<b>Description</b>	Broad classification of yield (<5L/s or >=5L/s).
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	String
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
<5L/s	<5L/s
>5L/s	>5L/s
Unknown	Unknown
No Data	No Data

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## YieldRange

<b>Description</b>	Range of valid aquifer yield values.
<b>Domain Type</b>	Range Domain
<b>Field Type</b>	Double
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
MinValue	0
MaxValue	500

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## YieldValue

<b>Description</b>	Source yield values.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	String
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value

### Domain Members

<b>Name</b>	<b>Value</b>
No Data	0
<0.5	1
<1	2
<1.5	3
<5	4
0.5 to 5	5
5 to 10	6
5 to 50	7
10 to 50	8
>1.5	9
>2.5	10
>5	11
>50	12

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## ObjectClasses

ObjectClass Name	Type	Geometry	Subtype
<b>GW_Cartography</b>			<a href="#">Spatial References</a>
<a href="#">AHGFAquiferBoundary</a>	Simple FeatureClass	Polygon	-
<a href="#">AHGFAquiferContour</a>	Simple FeatureClass	Polyline	AquiferContourBottom AquiferContourTop BedrockContourTop
<a href="#">AHGFAquiferOutcrop</a>	Simple FeatureClass	Polygon	-
<a href="#">AHGFSurficialHydrogeologicUnit</a>	Simple FeatureClass	Polygon	-
<a href="#">AHGFWaterTableAquifer</a>	Simple FeatureClass	Polygon	-
<a href="#">IGWAquiferSalinity</a>	Simple FeatureClass	Polygon	-
<a href="#">IGWAquiferYield</a>	Simple FeatureClass	Polygon	-
<a href="#">IGWWaterTableHydraulicConductivity</a>	Simple FeatureClass	Polygon	-
<a href="#">IGWWaterTableSalinity</a>	Simple FeatureClass	Polygon	-
<a href="#">IGWWaterTableYield</a>	Simple FeatureClass	Polygon	-
<b>Stand Alone ObjectClass(s)</b>			

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## AHGFAquiferBoundary

<b>Alias</b>	AHGFAquiferBoundary	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0 Has M:No					
<b>FeatureType</b>	Simple	Has Z:No Grid Size:1,000					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Precn.</b>	<b>Scale</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
DLithology	DominantLithology	DLithology	String	0	0	100	No
LitholDesc	LithologyDescription	LitholDesc	String	0	0	254	Yes
GeoUnits	GeologicalUnits	GeoUnits	String	0	0	50	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNnote	GroundwaterNote	GWNnote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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
<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>					
<b>ObjectClass</b>							
AHGFFType	66	<a href="#">AHGFAquiferBoundaryType</a>					
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>					
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>					
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				
GDB_25_HydroID	Yes	No	HydroID				

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## AHGFAquiferContour

<b>Alias</b>	AHGFAquiferContour	Geometry:Polyline					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0					
<b>FeatureType</b>	Simple	Has M:No Has Z:No Grid Size:1,000					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Precn.</b>	<b>Scale</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
AqifrBndID	AquiferBoundaryID	AqifrBndID	Integer	0	0	4	Yes
ContValue	ContourValue	ContValue	Double	0	0	8	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNnote	GroundwaterNote	GWNnote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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
Shape_Length	Shape_Length	Shape_Length	Double	0	0	8	Yes
<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>					
<b>ObjectClass</b>							
AHGFFType	68	<a href="#">AHGFAquiferContourType</a>					
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>					
ContValue		<a href="#">AHGFContourDepthRange</a>					
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>					
<b>AquiferContourBottom (AHGFFType=69)</b>							
AHGFFType	69	<a href="#">AHGFAquiferContourType</a>					
ContValue		<a href="#">AHGFContourDepthRange</a>					
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>					
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>					



## Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary - Groundwater Cartography

### **AquiferContourTop (AHGFFType=68) [Default]**

AHGFFType	68	<a href="#">AHGFAquiferContourType</a>
ContValue		<a href="#">AHGFContourDepthRange</a>
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>

### **BedrockContourTop (AHGFFType=73)**

AHGFFType	73	<a href="#">AHGFAquiferContourType</a>
ContValue		<a href="#">AHGFContourDepthRange</a>
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>

<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape
GDB_32_AqifrBndI	Yes	No	AqifrBndID

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## AHGFAquiferOutcrop

<b>Alias</b>	AHGFAquiferOutcrop		Geometry:Polygon				
<b>Dataset Type</b>	FeatureClass		Average Number of Points:0				
<b>FeatureType</b>	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
AHGFFType	AHGFFeatureType	AHGFFType	Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
AqifrBndID	AquiferBoundaryID	AqifrBndID	Integer	0	0	4	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNnote	GroundwaterNote	GWNnote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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				
<b>ObjectClass</b>							
AHGFFType	67		<a href="#">AHGFAquiferOutcropType</a>				
IAF_ID			<a href="#">AHGF_InterimAquiferFramework</a>				
SrcDesc			<a href="#">AHGFGroundwaterSourceDescription</a>				
Index Name	Ascending	Unique	Fields				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				
GDB_24_AqifrBndI	Yes	No	AqifrBndID				

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## AHGFSurficialHydrogeologicUnit

<b>Alias</b>	AHGFSurficialHydrogeologicUnit		Geometry:Polygon				
<b>Dataset Type</b>	FeatureClass		Average Number of Points:0				
<b>FeatureType</b>	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
AHGFFType	AHGFFeatureType	AHGFFType	Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
DLithology	DominantLithology	DLithology	String	0	0	100	No
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
LitholDesc	LithologyDescription	LitholDesc	String	0	0	254	Yes
GeoUnits	GeologicalUnits	GeoUnits	String	0	0	50	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNnote	GroundwaterNote	GWNnote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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				
<b>ObjectClass</b>							
AHGFFType	70		<a href="#">AHGFSurficialHydrogeologicUnitType</a>				
IAF_ID			<a href="#">AHGF_InterimAquiferFramework</a>				
SrcDesc			<a href="#">AHGFGroundwaterSourceDescription</a>				
Index Name	Ascending	Unique	Fields				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				

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## AHGFWaterTableAquifer

<b>Alias</b>	AHGFWaterTableAquifer	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0 Has M:No					
<b>FeatureType</b>	Simple	Has Z:No Grid Size:1,000					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Precn.</b>	<b>Scale</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
GWProvince	GroundwaterProvince	GWProvince	String	0	0	70	Yes
GWFlowSysP	GWFlowSystemPrimary	GWFlowSysP	String	0	0	80	Yes
GWFlowSysS	GWFlowSystemSecondary	GWFlowSysS	String	0	0	80	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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
<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>					
<b>ObjectClass</b>							
AHGFFType	71	<a href="#">AHGFWaterTableAquiferType</a>					
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>					
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>					
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				

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## IGWAquiferSalinity

<b>Alias</b>	IGWAquiferSalinity	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0					
		Has M:No					
<b>FeatureType</b>	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
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
AqifrBndID	AquiferBoundaryID	AqifrBndID	Integer	0	0	4	No
SalinValue	SalinityValue	SalinValue	String	0	0	5	Yes
SalinClass	SalinityClass	SalinClass	String	0	0	25	Yes
SalinMin	SalinityMinimum	SalinMin	Integer	0	0	4	Yes
SalinMax	SalinityMaximum	SalinMax	Integer	0	0	4	Yes
SalinMed	SalinityMedian	SalinMed	Integer	0	0	4	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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

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Subtype Name	Default Value	Domain	
<b>ObjectClass</b>			
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>	
SalinValue		<a href="#">SalinityValue</a>	
SalinClass		<a href="#">SalinityClass</a>	
SalinMin		<a href="#">SalinityRange</a>	
SalinMax		<a href="#">SalinityRange</a>	
SalinMed		<a href="#">SalinityRange</a>	
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>	
Index Name	Ascending	Unique	Fields
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape
GDB_28_AqifrBndI	Yes	No	AqifrBndID

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## IGWAquiferYield

<b>Alias</b>	IGWAquiferYield	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0					
		Has M:No					
<b>FeatureType</b>	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
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
NameSynonm	NameSynonyms	NameSynonm	String	0	0	254	Yes
AqifrBndID	AquiferBoundaryID	AqifrBndID	Integer	0	0	4	No
YieldValue	YieldValue	YieldValue	String	0	0	5	Yes
YieldClass	YieldClass	YieldClass	String	0	0	10	Yes
YieldMin	YieldMinimum	YieldMin	Double	0	0	8	Yes
YieldMax	YieldMaximum	YieldMax	Double	0	0	8	Yes
YieldMed	YieldMedian	YieldMed	Double	0	0	8	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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

## Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary - Groundwater Cartography

Subtype Name	Default Value	Domain	
<b>ObjectClass</b>			
IAF_ID		<a href="#">AHGF_InterimAquiferFramework</a>	
YieldValue		<a href="#">YieldValue</a>	
YieldClass		<a href="#">YieldClass</a>	
YieldMin		<a href="#">YieldRange</a>	
YieldMax		<a href="#">YieldRange</a>	
YieldMed		<a href="#">YieldRange</a>	
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>	
Index Name	Ascending	Unique	Fields
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape
GDB_27_AqifrBndI	Yes	No	AqifrBndID

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## IGWWaterTableHydraulicConductivity

<b>Alias</b>	IGWWaterTableHydraulicConductivity		Geometry:Polygon Average Number of Points:0				
<b>Dataset Type</b>	FeatureClass		Has M:No Has Z:No Grid Size:1,000				
<b>FeatureType</b>	Simple						
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Precn.</b>	<b>Scale</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	0	0	4	No
Shape	Shape	Shape	Geometry	0	0	0	Yes
HydroID			Integer	0	0	4	No
IAF_ID	IAF_ID	IAF_ID	Integer	0	0	4	Yes
HydKValue	HydraulicConductivityValue	HydKValue	Double	0	0	8	Yes
SpecYield	SpecificBoreYield	SpecYield	Double	0	0	8	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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
<b>Subtype Name</b>	<b>Default Value</b>		<b>Domain</b>				
<b>ObjectClass</b>							
IAF_ID			<a href="#">AHGF_InterimAquiferFramework</a>				
HydKValue			<a href="#">HydraulicConductivityRange</a>				
SpecYield			<a href="#">SpecificYieldRange</a>				
SrcDesc			<a href="#">AHGFGroundwaterSourceDescription</a>				
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>				
FDO_OBJECTID	Yes	Yes	OBJECTID				
FDO_Shape	No	No	Shape				

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## IGWWaterTableSalinity

<b>Alias</b>	IGWWaterTableSalinity	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0					
		Has M:No					
<b>FeatureType</b>	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
SalinValue	SalinityValue	SalinValue	String	0	0	5	Yes
SalinClass	SalinityClass	SalinClass	String	0	0	25	Yes
SalinMin	SalinityMinimum	SalinMin	Integer	0	0	4	Yes
SalinMax	SalinityMaximum	SalinMax	Integer	0	0	4	Yes
SalinMed	SalinityMedian	SalinMed	Integer	0	0	4	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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

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<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>	
<b>ObjectClass</b>			
SalinValue		<a href="#">SalinityValue</a>	
SalinClass		<a href="#">SalinityClass</a>	
SalinMin		<a href="#">SalinityRange</a>	
SalinMax		<a href="#">SalinityRange</a>	
SalinMed		<a href="#">SalinityRange</a>	
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>	
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

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## IGWWaterTableYield

<b>Alias</b>	IGWWaterTableYield	Geometry:Polygon					
<b>Dataset Type</b>	FeatureClass	Average Number of Points:0					
		Has M:No					
<b>FeatureType</b>	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
YieldValue	YieldValue	YieldValue	String	0	0	5	Yes
YieldClass	YieldClass	YieldClass	String	0	0	10	Yes
YieldMin	YieldMinimum	YieldMin	Double	0	0	8	Yes
YieldMax	YieldMaximum	YieldMax	Double	0	0	8	Yes
YieldMed	YieldMedian	YieldMed	Double	0	0	8	Yes
ReliabCode	ReliabilityCode	ReliabCode	String	0	0	160	Yes
GWNNote	GroundwaterNote	GWNNote	String	0	0	254	Yes
Scale			String	0	0	20	Yes
SrcDesc	SourceDescription	SrcDesc	Integer	0	0	4	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

## Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary - Groundwater Cartography

<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>	
<b>ObjectClass</b>			
YieldValue		<a href="#">YieldValue</a>	
YieldClass		<a href="#">YieldClass</a>	
YieldMin		<a href="#">YieldRange</a>	
YieldMax		<a href="#">YieldRange</a>	
YieldMed		<a href="#">YieldRange</a>	
SrcDesc		<a href="#">AHGFGroundwaterSourceDescription</a>	
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

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## Relationships

Name	Origin	Destination	Attributed	Composite	Rules
<a href="#">AquiferHasContour</a>	AHGFAquiferBoundary	AHGFAquiferContour	No	No	No
<a href="#">AquiferHasOutcrop</a>	AHGFAquiferBoundary	AHGFAquiferOutcrop	No	No	No
<a href="#">AquiferHasSalinity</a>	AHGFAquiferBoundary	IGWAquiferSalinity	No	No	No
<a href="#">AquiferHasYield</a>	AHGFAquiferBoundary	IGWAquiferYield	No	No	No

### AquiferHasContour

<b>Composite</b>	No		
<b>Cardinality</b>	One To Many		
<b>Notification</b>	None		
<b>Attributed</b>	No		
<b>ObjectClass</b>	AHGFAquiferBoundary	AHGFAquiferContour	
<b>Key</b>	HydroID ( <i>Origin Primary Key</i> )	AqifrBndID ( <i>Origin Foreign Key</i> )	
<b>Labels</b>	defines surface for	has surface defined by	

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### AquiferHasOutcrop

<b>Composite</b>	No		
<b>Cardinality</b>	One To Many		
<b>Notification</b>	None		
<b>Attributed</b>	No		
<b>ObjectClass</b>	AHGFAquiferBoundary	AHGFAquiferOutcrop	
<b>Key</b>	HydroID ( <i>Origin Primary Key</i> )	AqifrBndID ( <i>Origin Foreign Key</i> )	
<b>Labels</b>	defines outcrop area for	has outcropping defined by	

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## AquiferHasSalinity

<b>Composite</b>	No		
<b>Cardinality</b>	One To Many		
<b>Notification</b>	None		
<b>Attributed</b>	No		
	<b>Origin</b>		<b>Destination</b>
<b>ObjectClass</b>	AHGFAquiferBoundary		IGWAquiferSalinity
<b>Key</b>	HydroID ( <i>Origin Primary Key</i> )		AqifrBndID ( <i>Origin Foreign Key</i> )
<b>Labels</b>	defines salinity area for		has property of

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## AquiferHasYield

<b>Composite</b>	No		
<b>Cardinality</b>	One To Many		
<b>Notification</b>	None		
<b>Attributed</b>	No		
	<b>Origin</b>		<b>Destination</b>
<b>ObjectClass</b>	AHGFAquiferBoundary		IGWAquiferYield
<b>Key</b>	HydroID ( <i>Origin Primary Key</i> )		AqifrBndID ( <i>Origin Foreign Key</i> )
<b>Labels</b>	defines bore yield area for		has property of

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## Spatial References

Dimension	Minimum	Precision
<b>GW_Cartography</b>		
<b>X</b>	-400	1,000,000,000
<b>Y</b>	-400	
<b>M</b>	0	100,000
<b>Z</b>	0	100,000
<b>Coordinate System Description</b>		
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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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**

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Send an email request to [waterinfo@bom.gov.au](mailto:waterinfo@bom.gov.au)



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