Australian Hydrological Geospatial Fabric – Surface Cartography
Geodatabase Product Schema

Australian Government Bureau of Meteorology AHGF for ESRI ArcGIS Desktop 9.3 – Version 2.1, November 2012.

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Comments
The Precision and Scale field properties are only applicable to ArcSDE geodatabases (i.e. not supported by personal or file geodatabases). Where attributes are shown with Precision and Scale set to zero, these fields will assume the default values for the specified data type in the target DBMS.

Complex edge feature class
AHGFNetStream
Geometry: Polyline; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No					
AHGFFType	Long integer	No	12	AHGFStreamType	0		
Name	String	Yes					60
Hierarchy	String	No		AHGFHierarchy			255
Perennial	String	No		AHGFPerennially			255
AusHydroID	Long integer	Yes			0		
From_Node	Long integer	Yes			0		
To_Node	Long integer	Yes			0		
HydroSeq	Long integer	Yes			0		
Enabled	Short integer	No	1	EnabledDomain			
FlowDir	Long integer	No		HydroFlowDirections	0		
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
GeodesLen	Double	Yes			0	0	
UpstCasLn	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	

Line segment describing the centreline for a natural channel along which water runs there from time to time or an artificial line used to connect linear Hydrographic features. Lines are segmented at confluences, bifurcations, terrain discontinuities, boundaries of Waterbodies/areas and at the start and end points of special artificial connector segments.

Subtypes of AHGFMappedStream
Subtype field: AHGFFType
Default subtype: 12
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
13	MappedWaterAreaSegment	AHGFFType	13	AHGFMappedStreamType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
		Enabled		EnabledDomain
		FlowDir		HydroFlowDirections
11	MappedFlowSegment	AHGFFType	11	AHGFMappedStreamType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
		Enabled		EnabledDomain
		FlowDir		HydroFlowDirections
12	MappedArtificialFlowSegment	AHGFFType	12	AHGFMappedStreamType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
		Enabled		EnabledDomain
		FlowDir		HydroFlowDirections

Simple junction feature class
AHGFMappedNode
Geometry: Point; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No					
AHGFFType	Long integer	No	15	AHGFMappedNodeType	0		
CommonID	Long integer	Yes			0		
NextID	Long integer	Yes			0		
NetNodeID	Long integer	Yes			0		
NextDownID	Long integer	Yes			0		
Enabled	Short integer	No	1	EnabledDomain			
UpstrCasLn	Double	Yes			0	0	
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50

Subtypes of AHGFMappedNode
Subtype field: AHGFFType
Default subtype: 15
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
17	MappedWaterAreaNode	AHGFFType	17	AHGFMappedNodeType
		Enabled		EnabledDomain
19	MappedHeadNode	AHGFFType	19	AHGFMappedNodeType
		Enabled		EnabledDomain
14	MappedJunctionNode	AHGFFType	14	AHGFMappedNodeType
		Enabled		EnabledDomain
15	MappedTerminusNode	AHGFFType	15	AHGFMappedNodeType
		Enabled		EnabledDomain
20	MappedCliffNode	AHGFFType	20	AHGFMappedNodeType
		Enabled		EnabledDomain
18	MappedGhostNode	AHGFFType	18	AHGFMappedNodeType
		Enabled		EnabledDomain
16	MappedArtificialNode	AHGFFType	16	AHGFMappedNodeType
		Enabled		EnabledDomain

A set of points located at the ends of mapped stream segments and at other strategic points along the network. Nodes are utilised in the AHGF data model to associate features (including spatially non-coincidental features) from other feature classes with the logical stream network (e.g. waterbodies).

Simple feature class
AHGFWaterbody
Geometry: Polygon; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No					
AHGFFType	Long integer	No	25	AHGFWaterbodyType	0		
Name	String	Yes					60
Hierarchy	String	Yes		AHGFHierarchy			255
Perennial	String	Yes		AHGFPerennially			255
NatNodeID	Long integer	Yes			0		
MapNodeID	Long integer	Yes			0		
WStoreUse	Long integer	Yes		AHGFWaterStoreUse	0		30
SLAKE_Name	String	Yes					60
SLAKE_Syst	String	Yes					60
SLAKE_URN	String	Yes					100
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
AlbersArea	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

A body of fresh water in the water system with potential significance for water balance and water accounting purposes.

Subtypes of AHGFWaterbody
Subtype field: AHGFFType
Default subtype: 25
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
26	Lake	AHGFFType	26	AHGFWaterbodyType
		Hierarchy		AHGFHierarchy
		WStoreUse	Not Applicable	AHGFWaterStoreUse
27	Swamp	AHGFFType	27	AHGFWaterbodyType
		Perennial		AHGFPerennially
		WStoreUse	Not Applicable	AHGFWaterStoreUse
25	Reservoir	AHGFFType	25	AHGFWaterbodyType
		Perennial		AHGFPerennially
		WStoreUse	ReservoirTownRural	AHGFWaterStoreUse

Table
AHGFMappedConnectivityDown

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
From_ID	Long integer	No			0		
To_ID	Long integer	No			0		
Segment_ID	Long integer	No			0		

Connectivity object defining the topological connectivity between two AHGFMappedNode features when the network is traversed in a downstream direction.

HydroID of AHGFMappedNode feature.
HydroID of downstream connected AHGFMappedNode feature (-1 signifies terminus node)
HydroID of AHGFMappedStream feature connecting the two node features (-1 signifies no segment)

Table
AHGFMappedConnectivityUp

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
From_ID	Long integer	No			0		
To_ID	Long integer	No			0		
Segment_ID	Long integer	No			0		

Connectivity object defining the topological connectivity between two AHGFMappedNode features when the network is traversed in a upstream direction.

HydroID of AHGFMappedNode feature.
HydroID of upstream connected AHGFMappedNode feature (-1 signifies head node)
HydroID of AHGFMappedStream feature connecting the two node features (-1 signifies no segment)

Table
AHGFMappedStream_FS

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
FeatureID	Long integer	Yes			0		
NextDownID	Long integer	Yes			0		

Flow split object for AHGFMappedStream feature (ArcHydro format). Each record contains an alternate NextDownID (HydroID) for a stream feature where divergent flow is encountered. Note: The ID of the primary downstream feature is stored as NextDownID of the feature.

HydroID of feature with > 1 connected downstream AHGFMappedStream feature.
HydroID for alternate connected downstream AHGFMappedStream feature.

Simple feature class
AHGFTerrainBreakLine
Geometry: Polyline; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	28	AHGFTerrainBreakLineType	0		
Name	String	Yes					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
Shape_Length	Double	Yes			0	0	

Terrain surface discontinuity (i.e. cliff break line) derived from the 9 second DEM and AHGFWaterbodies.

Simple feature class
AHGFWaterPipeline
Geometry: Polyline; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	29	AHGFWaterPipelineType	0		
Name	String	Yes					60
Relation	String	Yes		AHGFPipelineRelationship			25
Status	String	No		AHGFPipelineStatus			25
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
GeodesLen	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	

An artificial hollow cylinder of variable dimension used for the transportation of water.

Simple feature class
AHGFCanalLine
Geometry: Polyline; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	30	AHGFCanalLineType	0		
Name	String	Yes					60
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
GeodesLen	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	

Artificial open channel for the transportation of water.

Simple feature class
AHGFDam
Geometry: Polygon; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	31	AHGFDamType	0		
Name	String	Yes					60
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50

Water stored behind a constructed barrier.

Simple feature class
AHGFSea
Geometry: Polygon; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	32	AHGFSeaType	0		
Name	String	Yes					60
OceanName	String	Yes		AHGFOceanName			20
SeaName	String	Yes		AHGFSeaName			20
OtherWName	String	Yes		AHGFOtherWaterName			20
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
FeatWidth	Double	Yes			0	0	
TextNote	String	Yes					50
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

Water area surrounding the Australian continent.

Simple feature class
AHGFEstuary
Geometry: Polygon; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
State	String	Yes	72	AHGFEstuaryType	0		3
AHGFEstuaryType	String	Yes		AHGFState			33
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
GeodesLen	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

Partly enclosed coastal body of water functioning as transition zone between river and ocean environments.

Simple feature class
AHGFStructure
Geometry: Point; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	33	AHGFStructureType	0		
Name	String	Yes					60
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
FeatWidth	Double	Yes			0	0	
Orientatn	Short integer	Yes			0		
Hierarchy	String	Yes		AHGFHierarchy			14
TextNote	String	Yes					50

Structure located along a stream which has the potential to alter the flow of water.

Subtypes of AHGFStructure
Subtype field: AHGFFType
Default subtype: 33
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
36	Ford	AHGFFType	36	AHGFStructureType
		Hierarchy		AHGFHierarchy
35	Bridge	AHGFFType	35	AHGFStructureType
		Hierarchy		AHGFHierarchy
33	Lock	AHGFFType	33	AHGFStructureType
		Hierarchy		AHGFHierarchy
34	Waterfall	AHGFFType	34	AHGFStructureType
		Hierarchy		AHGFHierarchy

Simple feature class
AHGFHydroPoint
Geometry: Point; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	37	AHGFHydroPointType	0		
Name	String	Yes					60
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
FeatWidth	Double	Yes			0	0	
Orientatn	Short integer	Yes			0		
TextNote	String	Yes					50

Hydrographic water feature represented by a point and commonly found on maps.

Subtypes of AHGFHydroPoint
Subtype field: AHGFFType
Default subtype: 37
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
40	Pool	AHGFFType	40	AHGFHydroPointType
39	NamedWell	AHGFFType	39	AHGFHydroPointType
45	WaterHole	AHGFFType	45	AHGFHydroPointType
44	Bay	AHGFFType	44	AHGFHydroPointType
43	Waterfall	AHGFFType	43	AHGFHydroPointType
41	Rockhole	AHGFFType	41	AHGFHydroPointType
38	GreenHillHole	AHGFFType	38	AHGFHydroPointType
37	Spring	AHGFFType	37	AHGFHydroPointType
42	Soak	AHGFFType	42	AHGFHydroPointType

Simple feature class
AHGFHydroArea
Geometry: Polygon; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	54	AHGFHydroAreaType	0		
Name	String	Yes					60
Hierarchy	String	Yes		AHGFHierarchy			255
Perennial	String	Yes		AHGFPerennially			255
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
TextNote	String	Yes					50
AlbersArea	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

Hydrographic water feature represented by a polygon and commonly found on maps.

Subtypes of AHGFHydroArea
Subtype field: AHGFFType
Default subtype: 54
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
57	PondageArea	AHGFFType	57	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
54	WatercourseArea	AHGFFType	54	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
59	ForeshoreFlat	AHGFFType	59	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
56	Flat	AHGFFType	56	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
55	CanalArea	AHGFFType	55	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially
58	RapidArea	AHGFFType	58	AHGFHydroAreaType
		Hierarchy		AHGFHierarchy
		Perennial		AHGFPerennially

Simple feature class
AHGFHydroLine
Geometry: Polyline; Contains M values: No; Contains Z values: No

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
HydroID	Long integer	No			0		
AHGFFType	Long integer	No	46	AHGFHydroLineType	0		
Name	String	Yes					60
SrcFCName	String	No					25
SrcFType	String	No					32
SrcType	Long integer	Yes			0		
SourceID	Long integer	Yes			0		
FeatRel	Date	Yes			0	0	8
FSource	String	No					25
AttRel	Date	Yes			0	0	8
AttSource	String	No					25
PlanAcc	Short integer	Yes			0		
Symbol	Short integer	Yes			0		
FeatWidth	Double	Yes			0	0	
Hierarchy	String	Yes		AHGFHierarchy			14
TextNote	String	Yes					50
GeodesLen	Double	Yes			0	0	
Shape_Length	Double	Yes			0	0	

Hydrographic water feature represented by a line and commonly found on maps.

Subtypes of AHGFHydroLine
Subtype field: AHGFFType
Default subtype: 46
List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
48	CliffLine	AHGFFType	48	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
47	Spillway	AHGFFType	47	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
50	Levee	AHGFFType	50	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
46	RapidLine	AHGFFType	46	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
49	DamWall	AHGFFType	49	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
53	Tunnel	AHGFFType	53	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
51	Shoreline	AHGFFType	51	AHGFHydroLineType
		Hierarchy		AHGFHierarchy
52	Shoreline Junction	AHGFFType	52	AHGFHydroLineType
		Hierarchy		AHGFHierarchy

SH Cartography

Coded value domain
AHGFCanalLineType
Description: Man-made open channels for water (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
30	CanalLine

Coded value domain
AHGFDamType
Description: Barrier to flow behind a constructed barrier (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
31	Dam

Coded value domain
AHGFEstuaryType
Description: Semi-enclosed coastal body of water (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
72	Estuary

Coded value domain
AHGFFlowDirection
Description: Flow direction in relation to the digitised direction
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
0	Uninitialized
1	WithDigitized
2	AgainstDigitized
3	Indeterminate

Coded value domain
EnabledDomain
Description: Flag indicating whether a feature allows flow or is blocked
Field type: Short integer
Split policy: Default value
Merge policy: Default value

Code	Description
0	False
1	True

Coded value domain
AHGFWaterStoreUse
Description: Uses of reservoir waterbodies.
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
ReservoirTownRural	ReservoirTownRural
ReservoirTransfer	ReservoirTransfer
Not Applicable	Not Applicable

Coded value domain
AHGFWaterPipelineType
Description: Man-made pipelines used for transporting water (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
29	WaterPipeline

Coded value domain
AHGFWaterbodyType
Description: Types of surface waterbodies (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
25	Reservoir
26	Lake
27	Swamp

Coded value domain
AHGFTerrainBreakLineType
Description: Abrupt changes in elevation (terrain based).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
28	TerrainBreakLine

Coded value domain
AHGFStructureType
Description: Types of water structures (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
33	Lock
34	Waterfall
35	Bridge
36	Ford

Coded value domain
AHGFSeaType
Description: Water areas surrounding the Australian continent (mapped).
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
32	Sea

Coded value domain
AHGFState
Description: Set of Australian
Field type: state/territory codes.
Split policy: Default value
Merge policy: Default value

Code	Description
ACT	ACT
NSW	NSW
NT	NT
QLD	QLD
SA	SA
VIC	VIC
WA	WA
MIL	MIL

Coded value domain
AHGFMappedStreamType
Description: Types of mapped (digitised) stream segments
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
11	MappedFlowSegment
12	MappedArtificialFlowSegment
13	MappedWaterAreaSegment

Coded value domain
AHGFOceanName
Description: Names of oceans
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
INDIAN OCEAN	INDIAN OCEAN
SOUTH PACIFIC OCEAN	SOUTH PACIFIC OCEAN
SOUTHERN OCEAN	SOUTHERN OCEAN

Coded value domain
AHGFOtherWaterName
Description: Names of other waters
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
BASS STRAIT	BASS STRAIT
GREAT AUSTRALIAN BIGHT	GREAT AUSTRALIAN BIGHT
GREAT BARRIER REEF	GREAT BARRIER REEF
GULF OF CARPENTARIA	GULF OF CARPENTARIA
GULF OF PAPUA	GULF OF PAPUA
JOSEPH BONAPARTE GULF	JOSEPH BONAPARTE GULF
TORRES STRAIT	TORRES STRAIT

Coded value domain
AHGFHydroAreaType
Description: Types of mapped area/ water features.
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
54	WatercourseArea
55	CanalArea
56	Flat
57	PondageArea
58	RapidArea
59	ForeshoreFlat

Coded value domain
AHGFHydroLineType
Description: Types of mapped linear water features.
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
46	RapidLine
47	Spillway
48	DamWall
49	CliffLine
50	Levee
51	Shoreline
52	Shoreline Junction
53	Tunnel

Coded value domain
AHGFHydroPointType
Description: Types of mapped points representing water features
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
37	Spring
38	GreenHillHole
39	NamedWell
40	Pool
41	Rockhole
42	Soak
43	WaterFall
44	Bay
45	WaterHole

Coded value domain
AHGFMappedNodeType
Description: Types of mapped (digitised) stream segments
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
12	MappedFlowSegment
13	MappedWaterAreaSegment
14	MappedJunctionNode
15	MappedTerminusNode
16	MappedArtificialNode
17	MappedWaterAreaNode
18	MappedGhostNode
19	MappedHeadNode
20	MappedCliffNode

Coded value domain
AHGFPipelineRelationship
Description: Relationship of water pipeline to ground.
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
Above Ground	Above Ground
Elevated	Elevated
Submerged	Submerged
Underground	Underground

Coded value domain
AHGFPipelineStatus
Description: Operational status of water pipeline.
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
Closed	Closed
Operational	Operational
Proposed	Proposed
Under Construction	Under Construction

Coded value domain
AHGFSeaName
Description: Name of sea
Field type: String
Split policy: Default value
Merge policy: Default value

Code	Description
ARAFURA SEA	ARAFURA SEA
CORAL SEA	CORAL SEA
TASMAN SEA	TASMAN SEA
TIMOR SEA	TIMOR SEA

Coded value domain
AHGFMappedNodeType
Description: Node types derived from mapped (digitised) streams
Field type: Long integer
Split policy: Default value
Merge policy: Default value

Code	Description
14	MappedJunctionNode
15	MappedTerminusNode
16	MappedArtificialNode
17	MappedWaterAreaNode
18	MappedGhostNode
19	MappedHeadNode
20	MappedCliffNode