

# Australian Hydrological Geospatial Fabric (Geofabric) Data Dictionary

Surface Cartography

Version 2.0 – November 2011



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



## Contact details

Geospatial Data Unit

Bureau of Meteorology  
GPO Box 2334 CANBERRA ACT 2601

Phone: 02 6232 3502

Email: [ahgf@bom.gov.au](mailto:ahgf@bom.gov.au)

## Geofabric Surface Cartography V2.0

### Table Of Contents

[Domains](#)

*Listing of Coded Value and Range Domains.*

[ObjectClasses](#)

*Listing of Tables and FeatureClasses.*

[Spatial Reference](#)

*Listing of Spatial References used by FeatureClasses and FeatureDatasets.*

## Domains

Domain Name	Domain Type
<a href="#"><u>AHGFCanalLineType</u></a>	Coded Value
<a href="#"><u>AHGFDamType</u></a>	Coded Value
<a href="#"><u>AHGFEstuaryType</u></a>	Coded Value
<a href="#"><u>AHGFHierarchy</u></a>	Coded Value
<a href="#"><u>AHGFHydroAreaType</u></a>	Coded Value
<a href="#"><u>AHGFHydroLineType</u></a>	Coded Value
<a href="#"><u>AHGFHydroPointType</u></a>	Coded Value
<a href="#"><u>AHGFMappedNodeType</u></a>	Coded Value
<a href="#"><u>AHGFMappedStreamType</u></a>	Coded Value
<a href="#"><u>AHGFOceanName</u></a>	Coded Value
<a href="#"><u>AHGFOtherWaterName</u></a>	Coded Value
<a href="#"><u>AHGFPernniality</u></a>	Coded Value
<a href="#"><u>AHGFPipelineRelationship</u></a>	Coded Value
<a href="#"><u>AHGFPipelineStatus</u></a>	Coded Value
<a href="#"><u>AHGFSeaName</u></a>	Coded Value
<a href="#"><u>AHGFSeaType</u></a>	Coded Value
<a href="#"><u>AHGFSState</u></a>	Coded Value
<a href="#"><u>AHGFStructureType</u></a>	Coded Value
<a href="#"><u>AHGFTerrainBreakLineType</u></a>	Coded Value
<a href="#"><u>AHGFWaterbodyType</u></a>	Coded Value
<a href="#"><u>AHGFWaterPipelineType</u></a>	Coded Value
<a href="#"><u>AHGFWaterStoreUse</u></a>	Coded Value
<a href="#"><u>EnabledDomain</u></a>	Coded Value

<a href="#">HydroFlowDirections</a>	Coded Value
-------------------------------------	-------------

[Back to Top](#)

## AHGFCanalLineType

<b>Description</b>	Man-made open channels for water (mapped).
<b>Domain Type</b>	Coded Value
<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>
CanalLine	30

[Back to Top](#)

## AHGFDamType

<b>Description</b>	Water stored behind a constructed barrier (mapped).
<b>Domain Type</b>	Coded Value
<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>
Dam	31

[Back to Top](#)

## AHGFEstuaryType

<b>Description</b>	Partly enclosed coastal body of water (mapped).
<b>Domain Type</b>	Coded Value
<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>
Estuary	72

[Back to Top](#)

## AHGFHierarchy

<b>Description</b>	Importance of associated water feature.
<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>
Major	Major
Minor	Minor
Not Applicable	Not Applicable

[Back to Top](#)

**AHGFHydroAreaType**

<b>Description</b>	Types of mapped areal water features.
<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>
WatercourseArea	54
CanalArea	55
Flat	56
PondageArea	57
RapidArea	58
ForeshoreFlat	59

[Back to Top](#)

**AHGFHydroLineType**

<b>Description</b>	Types of mapped linear water features.
<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>
RapidLine	46
Spillway	47
DamWall	48
CliffLine	49
Levee	50
Shoreline	51
ShorelineJunction	52
Tunnel	53

[Back to Top](#)

## AHGFHydroPointType

<b>Description</b>	Types of mapped points representing water features.
<b>Domain Type</b>	Coded Value
<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>
Spring	37
GnammaHole	38
NativeWell	39
Pool	40
Rockhole	41
Soak	42
WaterTank	43
Bay	44
Waterhole	45

[Back to Top](#)

## AHGFMappedNodeType

<b>Description</b>	Node types derived from mapped (digitised) streams.
<b>Domain Type</b>	Coded Value
<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>
MappedJunctionNode	14
MappedTerminusNode	15
MappedArtificialNode	16
MappedWaterAreaNode	17
MappedGhostNode	18
MappedHeadNode	19
MappedCliffNode	20

[Back to Top](#)

## AHGFMappedStreamType

<b>Description</b>	Types of mapped (digitised) stream segments.
<b>Domain Type</b>	Coded Value
<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>
MappedFlowSegment	11
MappedArtificialFlowSegment	12
MappedWaterAreaSegment	13

[Back to Top](#)

## AHGFOceanName

<b>Description</b>	Names of oceans.
<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>
INDIAN OCEAN	INDIAN OCEAN
SOUTH PACIFIC OCEAN	SOUTH PACIFIC OCEAN
SOUTHERN OCEAN	SOUTHERN OCEAN

[Back to Top](#)

## AHGFOtherWaterName

<b>Description</b>	Names of other waters.
<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>
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

[Back to Top](#)

## AHGFPernniality

<b>Description</b>	Water feature perennality.
<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>
Perennial	Perennial
Non Perennial	Non Perennial
Not Applicable	Not Applicable

[Back to Top](#)

## AHGFPipelineRelationship

<b>Description</b>	Relationship of water pipeline to ground.
<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>
Above Ground	Above Ground
Elevated	Elevated
Submerged	Submerged
Underground	Underground

[Back to Top](#)

## AHGFPipelineStatus

<b>Description</b>	Operational status of water pipeline.
<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>
Disused	Disused
Operational	Operational
Proposed	Proposed
Under Construction	Under Construction

[Back to Top](#)

## AHGFSeaName

<b>Description</b>	Names of seas.
<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>
ARAFURA SEA	ARAFURA SEA
CORAL SEA	CORAL SEA
TASMAN SEA	TASMAN SEA
TIMOR SEA	TIMOR SEA

[Back to Top](#)

## AHGFSeaType

<b>Description</b>	Water areas surrounding the Australian continent (mapped).
<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>
Sea	32

[Back to Top](#)

## AHGFState

<b>Description</b>	Set of Australian state/territory codes.
<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>
ACT	ACT
NSW	NSW
NT	NT
QLD	QLD
SA	SA
TAS	TAS
VIC	VIC
WA	WA

[Back to Top](#)

## AHGFStructureType

<b>Description</b>	Types of water structures (mapped).
<b>Domain Type</b>	Coded Value
<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>
Lock	33
Waterfall	34
Bridge	35
Ford	36

[Back to Top](#)

## AHGFTerrainBreakLineType

<b>Description</b>	Abrupt changes in elevation (terrain based).
<b>Domain Type</b>	Coded Value
<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>
TerrainBreakLine	28

[Back to Top](#)

## AHGFWaterbodyType

<b>Description</b>	Types of surface waterbodies (mapped).
<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>
Reservoir	25
Lake	26
Swamp	27

[Back to Top](#)

## AHGFWaterPipelineType

<b>Description</b>	Man-made pipelines used for transporting water (mapped).
<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>
WaterPipeline	29

[Back to Top](#)

## AHGFWaterStoreUse

<b>Description</b>	Uses of reservoir waterbodies.
<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>
ReservoirTownRural	ReservoirTownRural
ReservoirFloodIrrigation	ReservoirFloodIrrigation
Not Applicable	Not Applicable

[Back to Top](#)

## EnabledDomain

<b>Description</b>	Flag indicating whether a feature allows flow or is blocked.
<b>Domain Type</b>	Coded Value
<b>Field Type</b>	Small Integer
<b>Merge Policy</b>	Default Value
<b>Split Policy</b>	Default Value
<b>Domain Members</b>	
<b>Name</b>	<b>Value</b>
False	0
True	1

[Back to Top](#)

## HydroFlowDirections

<b>Description</b>	Flow directions in relation to the digitised direction.
<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>
Uninitialized	0
WithDigitised	1
AgainstDigitised	2
Indeterminate	3

[Back to Top](#)

## ObjectClasses

ObjectClass Name	Type	Geometry	Subtype
<b>SH_Cartography</b>			<a href="#">SR</a>
<a href="#">AHGFCanalLine</a>	Simple FeatureClass	Polyline	-
<a href="#">AHGFDam</a>	Simple FeatureClass	Point	-
<a href="#">AHGFEstuary</a>	Simple FeatureClass	Polygon	-
<a href="#">AHGFHydroArea</a>	Simple FeatureClass	Polygon	CanalArea Flat ForeshoreFlat PondageArea RapidArea WatercourseArea
<a href="#">AHGFHydroLine</a>	Simple FeatureClass	Polyline	CliffLine DamWall Levee RapidLine Shoreline ShorelineJunction Spillway Tunnel
<a href="#">AHGFHydroPoint</a>	Simple FeatureClass	Point	Bay GnammaHole NativeWell Pool Rockhole Soak Spring Waterhole WaterTank
<a href="#">AHGFMappedNode</a>	Simple FeatureClass	Point	MappedArtificialNode MappedCliffNode MappedGhostNode MappedHeadNode MappedJunctionNode MappedTerminusNode MappedWaterAreaNode
<a href="#">AHGFMappedStream</a>	Simple FeatureClass	Polyline	MappedArtificialFlowSegment MappedFlowSegment MappedWaterAreaSegment
<a href="#">AHGFSea</a>	Simple FeatureClass	Polygon	-
<a href="#">AHGFStructure</a>	Simple FeatureClass	Point	Bridge Ford Lock Waterfall
<a href="#">AHGFTerrainBreakLine</a>	Simple FeatureClass	Polyline	-

<a href="#">AHGFWaterbody</a>	Simple FeatureClass	Polygon	Lake Reservoir Swamp
<a href="#">AHGFWaterPipeline</a>	Simple FeatureClass	Polyline	-
<b>Stand Alone ObjectClass(s)</b>			
<a href="#">AHGFMappedConnectivityDown</a>	Table	-	-
<a href="#">AHGFMappedConnectivityUp</a>	Table	-	-
<a href="#">AHGFMappedStream_FS</a>	Table	-	-

[Back to Top](#)

## AHGFCanalLine

<b>Alias</b>	AHGFCanalLine		<b>Geometry:</b> Polyline		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
GeodesLen	GeodesicLength	GeodesLen	Double	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	30	<a href="#">AHGFCanalLineType</a>			
Index Name	Ascending	Unique	Fields		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## AHGFDam

<b>Alias</b>	AHGFDam		<b>Geometry:</b> Point		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>			
<b>ObjectClass</b>					
AHGFFType	31	<a href="#">AHGFDamType</a>			
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## AHGFEstuary

<b>Alias</b>	AHGFEstuary		<b>Geometry:</b> Polygon		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
State	State	State	String	3	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
AlbersArea			Double	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Shape_Area	Shape_Area	Shape_Area	Double	8	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	72	<a href="#">AHGFEstuaryType</a>			
State		<a href="#">AHGFState</a>			
Index Name	Ascending	Unique	Fields		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## AHGFHydroArea

<b>Alias</b>	AHGFHydroArea		<b>Geometry:</b> Polygon		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
Hierarchy	Hierarchy	Hierarchy	String	255	Yes
Perennial	Perenniality	Perennial	String	255	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
AlbersArea			Double	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Shape_Area	Shape_Area	Shape_Area	Double	8	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	54	<a href="#">AHGFHydroAreaType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
Perennial		<a href="#">AHGFPerenniality</a>			
<b>CanalArea (AHGFFType=55)</b>					
AHGFFType	55	<a href="#">AHGFHydroAreaType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
Perennial		<a href="#">AHGFPerenniality</a>			
<b>Flat (AHGFFType=56)</b>					

AHGFFType	56		<a href="#">AHGFHydroAreaType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
Perennial			<a href="#">AHGFPerenniality</a>
<b>ForeshoreFlat (AHGFFType=59)</b>			
AHGFFType	59		<a href="#">AHGFHydroAreaType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
Perennial			<a href="#">AHGFPerenniality</a>
<b>PondageArea (AHGFFType=57)</b>			
AHGFFType	57		<a href="#">AHGFHydroAreaType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
Perennial			<a href="#">AHGFPerenniality</a>
<b>RapidArea (AHGFFType=58)</b>			
AHGFFType	58		<a href="#">AHGFHydroAreaType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
Perennial			<a href="#">AHGFPerenniality</a>
<b>WatercourseArea (AHGFFType=54) [Default]</b>			
AHGFFType	54		<a href="#">AHGFHydroAreaType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
Perennial			<a href="#">AHGFPerenniality</a>
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFHydroLine

<b>Alias</b>	AHGFHydroLine		<b>Geometry:</b> Polyline		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
FeatWidth	FeatureWidth	FeatWidth	Double	8	Yes
Hierarchy	Hierarchy	Hierarchy	String	14	Yes
TextNote			String	50	Yes
GeodesLen	GeodesicLength	GeodesLen	Double	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	46	<a href="#">AHGFHydroLineType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>CliffLine (AHGFFType=49)</b>					
AHGFFType	49	<a href="#">AHGFHydroLineType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>DamWall (AHGFFType=48)</b>					
AHGFFType	48	<a href="#">AHGFHydroLineType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>Levee (AHGFFType=50)</b>					
AHGFFType	50	<a href="#">AHGFHydroLineType</a>			

Hierarchy			<a href="#">AHGFHierarchy</a>
<b>RapidLine (AHGFFType=46) [Default]</b>			
AHGFFType	46		<a href="#">AHGFHydroLineType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>Shoreline (AHGFFType=51)</b>			
AHGFFType	51		<a href="#">AHGFHydroLineType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>ShorelineJunction (AHGFFType=52)</b>			
AHGFFType	52		<a href="#">AHGFHydroLineType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>Spillway (AHGFFType=47)</b>			
AHGFFType	47		<a href="#">AHGFHydroLineType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>Tunnel (AHGFFType=53)</b>			
AHGFFType	53		<a href="#">AHGFHydroLineType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFHydroPoint

<b>Alias</b>	AHGFHydroPoint		<b>Geometry:</b> Point		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
FeatWidth	FeatureWidth	FeatWidth	Double	8	Yes
Orientatn	Orientation	Orientatn	Small Integer	2	Yes
TextNote			String	50	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	37	<a href="#">AHGFHydroPointType</a>			
<b>Bay (AHGFFType=44)</b>					
AHGFFType	44	<a href="#">AHGFHydroPointType</a>			
<b>GnammaHole (AHGFFType=38)</b>					
AHGFFType	38	<a href="#">AHGFHydroPointType</a>			
<b>NativeWell (AHGFFType=39)</b>					
AHGFFType	39	<a href="#">AHGFHydroPointType</a>			
<b>Pool (AHGFFType=40)</b>					
AHGFFType	40	<a href="#">AHGFHydroPointType</a>			
<b>Rockhole (AHGFFType=41)</b>					
AHGFFType	41	<a href="#">AHGFHydroPointType</a>			
<b>Soak (AHGFFType=42)</b>					
AHGFFType	42	<a href="#">AHGFHydroPointType</a>			

<b>Spring (AHGFFType=37) [Default]</b>			
AHGFFType	37		<a href="#">AHGFHydroPointType</a>
<b>Waterhole (AHGFFType=45)</b>			
AHGFFType	45		<a href="#">AHGFHydroPointType</a>
<b>WaterTank (AHGFFType=43)</b>			
AHGFFType	43		<a href="#">AHGFHydroPointType</a>
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFMappedConnectivityDown

<b>Alias</b>	AHGFMappedConnectivityDown				
<b>Dataset Type</b>	Table				
<b>FeatureType</b>					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
From_ID			Integer	4	No
To_ID			Integer	4	No
Segment_ID			Integer	4	No
<b>Subtype Name</b>	<b>Default Value</b>		<b>Domain</b>		
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		

[Back to Top](#)

## AHGFMappedConnectivityUp

<b>Alias</b>	AHGFMappedConnectivityUp				
<b>Dataset Type</b>	Table				
<b>FeatureType</b>					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
From_ID			Integer	4	No
To_ID			Integer	4	No
Segment_ID			Integer	4	No
<b>Subtype Name</b>	<b>Default Value</b>		<b>Domain</b>		
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		

[Back to Top](#)

## AHGFMappedNode

<b>Alias</b>	AHGFMappedNode		<b>Geometry:</b> Point		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
ConNodeID	ContractedNodeID	ConNodeID	Integer	4	Yes
ConLevel	ContractLevel	ConLevel	Small Integer	2	Yes
NetNodeID	NetworkNodeID	NetNodeID	Integer	4	Yes
NextDownID			Integer	4	Yes
Enabled	Enabled	Enabled	Small Integer	2	No
UpstrGeoLn	UpstreamGeodesicLength	UpstrGeoLn	Double	8	Yes
UpstrDArea	UpstreamDrainageArea	UpstrDArea	Double	8	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	15	<a href="#">AHGFMappedNodeType</a>			
Enabled		<a href="#">EnabledDomain</a>			
<b>MappedArtificialNode (AHGFFType=16)</b>					
AHGFFType	16	<a href="#">AHGFMappedNodeType</a>			
Enabled		<a href="#">EnabledDomain</a>			
<b>MappedCliffNode (AHGFFType=20)</b>					
AHGFFType	20	<a href="#">AHGFMappedNodeType</a>			
Enabled		<a href="#">EnabledDomain</a>			

<b>MappedGhostNode (AHGFFType=18)</b>			
AHGFFType	18		<a href="#">AHGFMappedNodeType</a>
Enabled			<a href="#">EnabledDomain</a>
<b>MappedHeadNode (AHGFFType=19)</b>			
AHGFFType	19		<a href="#">AHGFMappedNodeType</a>
Enabled			<a href="#">EnabledDomain</a>
<b>MappedJunctionNode (AHGFFType=14)</b>			
AHGFFType	14		<a href="#">AHGFMappedNodeType</a>
Enabled			<a href="#">EnabledDomain</a>
<b>MappedTerminusNode (AHGFFType=15) [Default]</b>			
AHGFFType	15		<a href="#">AHGFMappedNodeType</a>
Enabled			<a href="#">EnabledDomain</a>
<b>MappedWaterAreaNode (AHGFFType=17)</b>			
AHGFFType	17		<a href="#">AHGFMappedNodeType</a>
Enabled			<a href="#">EnabledDomain</a>
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFMappedStream

Alias		AHGFMappedStream		Geometry :Polyline		
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	Length	Null	
OBJECTID	OBJECTID	OBJECTID	OID	4	No	
Shape	Shape	Shape	Geometry	0	Yes	
HydroID			Integer	4	No	
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No	
Name			String	60	Yes	
Hierarchy	Hierarchy	Hierarchy	String	255	No	
Perennial	Perenniality	Perennial	String	255	No	
AusHydroID			Integer	4	Yes	
From_Node			Integer	4	Yes	
To_Node			Integer	4	Yes	
NextDownID			Integer	4	Yes	
Enabled	Enabled	Enabled	Small Integer	2	No	
FlowDir	FlowDir	FlowDir	Integer	4	No	
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No	
SrcFType	SourceFeatureType	SrcFType	String	32	No	
SrcType	SourceType	SrcType	Integer	4	Yes	
SourceID			Integer	4	Yes	
FeatRel	FeatureReliability	FeatRel	Date	8	Yes	
FSource	FeatureSource	FSource	String	25	No	
AttrRel	AttributeReliability	AttrRel	Date	8	Yes	
AttrSource	AttributeSource	AttrSource	String	25	No	
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes	
Symbol			Small Integer	2	Yes	
TextNote			String	50	Yes	
GeodesLen	GeodesicLength	GeodesLen	Double	8	Yes	
UpstrGeoLn	UpstreamGeodesicLength	UpstrGeoLn	Double	8	Yes	
UpstrDArea	UpstreamDrainageArea	UpstrDArea	Double	8	Yes	
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes	

Subtype Name	Default Value	Domain	
<b>ObjectClass</b>			
AHGFFType	12	<a href="#">AHGFMappedStreamType</a>	
Hierarchy		<a href="#">AHGFHierarchy</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
Enabled		<a href="#">EnabledDomain</a>	
FlowDir		<a href="#">HydroFlowDirections</a>	
<b>MappedArtificialFlowSegment (AHGFFType=12) [Default]</b>			
AHGFFType	12	<a href="#">AHGFMappedStreamType</a>	
Enabled		<a href="#">EnabledDomain</a>	
FlowDir		<a href="#">HydroFlowDirections</a>	
Hierarchy		<a href="#">AHGFHierarchy</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
<b>MappedFlowSegment (AHGFFType=11)</b>			
AHGFFType	11	<a href="#">AHGFMappedStreamType</a>	
Enabled		<a href="#">EnabledDomain</a>	
FlowDir		<a href="#">HydroFlowDirections</a>	
Hierarchy		<a href="#">AHGFHierarchy</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
<b>MappedWaterAreaSegment (AHGFFType=13)</b>			
AHGFFType	13	<a href="#">AHGFMappedStreamType</a>	
Enabled		<a href="#">EnabledDomain</a>	
FlowDir		<a href="#">HydroFlowDirections</a>	
Hierarchy		<a href="#">AHGFHierarchy</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFMappedStream\_FS

<b>Alias</b>	AHGFMappedStream_FS				
<b>Dataset Type</b>	Table				
<b>FeatureType</b>					
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
FeatureID			Integer	4	Yes
NextDownID			Integer	4	Yes
<b>Subtype Name</b>	<b>Default Value</b>		<b>Domain</b>		
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		

[Back to Top](#)

## AHGFSea

<b>Alias</b>	AHGFSea		<b>Geometry:</b> Polygon		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
OceanName	OceanName	OceanName	String	20	Yes
SeaName	SeaName	SeaName	String	12	Yes
OtherWName	OtherWaterName	OtherWName	String	22	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	0	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Shape_Area	Shape_Area	Shape_Area	Double	8	Yes
<b>Subtype Name</b>	<b>Default Value</b>	<b>Domain</b>			
<b>ObjectClass</b>					
AHGFFType	32	<a href="#">AHGFSeaType</a>			
OceanName		<a href="#">AHGFOceanName</a>			
SeaName		<a href="#">AHGFSeaName</a>			
OtherWName		<a href="#">AHGFOtherWaterName</a>			
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## AHGFStructure

<b>Alias</b>	AHGFStructure		<b>Geometry:</b> Point		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
FeatWidth	FeatureWidth	FeatWidth	Double	8	Yes
Orientatn	Orientation	Orientatn	Small Integer	2	Yes
Hierarchy	Hierarchy	Hierarchy	String	14	Yes
TextNote			String	50	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	33	<a href="#">AHGFStructureType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>Bridge (AHGFFType=35)</b>					
AHGFFType	35	<a href="#">AHGFStructureType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>Ford (AHGFFType=36)</b>					
AHGFFType	36	<a href="#">AHGFStructureType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			
<b>Lock (AHGFFType=33) [Default]</b>					
AHGFFType	33	<a href="#">AHGFStructureType</a>			
Hierarchy		<a href="#">AHGFHierarchy</a>			

<b>Waterfall (AHGFFType=34)</b>			
AHGFFType	34		<a href="#">AHGFStructureType</a>
Hierarchy			<a href="#">AHGFHierarchy</a>
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFTerrainBreakLine

<b>Alias</b>	AHGFTerrainBreakLine		<b>Geometry:</b> Polyline		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
<b>Subtype Name</b>	<b>Default Value</b>		<b>Domain</b>		
<b>ObjectClass</b>					
AHGFFType	28		<a href="#">AHGFTerrainBreakLineType</a>		
<b>Index Name</b>	<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## AHGFWaterbody

<b>Alias</b>		AHGFWaterbody		<b>Geometry:</b> Polygon		
<b>Dataset Type</b>		FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>		Simple		<b>Has M:</b> No		
				<b>Has Z:</b> No		
				<b>Grid Size:</b> 1,000		
<b>Field Name</b>	<b>Alias Name</b>	<b>Model Name</b>	<b>Type</b>	<b>Length</b>	<b>Null</b>	
OBJECTID	OBJECTID	OBJECTID	OID	4	No	
Shape	Shape	Shape	Geometry	0	Yes	
HydroID			Integer	4	No	
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No	
Name			String	60	Yes	
Perennial	Perenniality	Perennial	String	255	No	
NetNodeID	NetworkNodeID	NetNodeID	Integer	4	Yes	
MapNodeID	MappedNodeID	MapNodeID	Integer	4	Yes	
WStoreUse	WaterStoreUse	WStoreUse	String	30	Yes	
SLAKE_Name			String	60	Yes	
SLAKE_Syst	SLAKE_System	SLAKE_Syst	String	60	Yes	
SLAKE_URN			String	100	Yes	
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No	
SrcFType	SourceFeatureType	SrcFType	String	32	No	
SrcType	SourceType	SrcType	Integer	4	Yes	
SourceID			Integer	4	Yes	
FeatRel	FeatureReliability	FeatRel	Date	8	Yes	
FSource	FeatureSource	FSource	String	25	No	
AttrRel	AttributeReliability	AttrRel	Date	8	Yes	
AttrSource	AttributeSource	AttrSource	String	25	No	
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes	
Symbol			Small Integer	2	Yes	
TextNote			String	50	Yes	
AlbersArea			Double	8	Yes	
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes	
Shape_Area	Shape_Area	Shape_Area	Double	8	Yes	

Subtype Name	Default Value	Domain	
<b>ObjectClass</b>			
AHGFFType	25	<a href="#">AHGFWaterbodyType</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
WStoreUse		<a href="#">AHGFWaterStoreUse</a>	
<b>Lake (AHGFFType=26)</b>			
AHGFFType	26	<a href="#">AHGFWaterbodyType</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
WStoreUse	Not Applicable	<a href="#">AHGFWaterStoreUse</a>	
<b>Reservoir (AHGFFType=25) [Default]</b>			
AHGFFType	25	<a href="#">AHGFWaterbodyType</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
WStoreUse	ReservoirTownRural	<a href="#">AHGFWaterStoreUse</a>	
<b>Swamp (AHGFFType=27)</b>			
AHGFFType	27	<a href="#">AHGFWaterbodyType</a>	
Perennial		<a href="#">AHGFPerenniality</a>	
WStoreUse	Not Applicable	<a href="#">AHGFWaterStoreUse</a>	
<b>Index Name</b>			
<b>Ascending</b>	<b>Unique</b>	<b>Fields</b>	
FDO_OBJECTID	Yes	Yes	OBJECTID
FDO_Shape	No	No	Shape

[Back to Top](#)

## AHGFWaterPipeline

<b>Alias</b>	AHGFWaterPipeline		<b>Geometry:</b> Polyline		
<b>Dataset Type</b>	FeatureClass		<b>Average Number of Points:</b> 0		
<b>FeatureType</b>	Simple		<b>Has M:</b> No		
			<b>Has Z:</b> No		
			<b>Grid Size:</b> 1,000		
Field Name	Alias Name	Model Name	Type	Length	Null
OBJECTID	OBJECTID	OBJECTID	OID	4	No
Shape	Shape	Shape	Geometry	0	Yes
HydroID			Integer	4	No
AHGFFType	AHGFFeatureType	AHGFFType	Integer	4	No
Name			String	60	Yes
Relation	Relationship	Relation	String	25	Yes
Status	Status	Status	String	18	No
SrcFCName	SourceFeatureClassName	SrcFCName	String	25	No
SrcFType	SourceFeatureType	SrcFType	String	32	No
SrcType	SourceType	SrcType	Integer	4	Yes
SourceID			Integer	4	Yes
FeatRel	FeatureReliability	FeatRel	Date	8	Yes
FSource	FeatureSource	FSource	String	25	No
AttrRel	AttributeReliability	AttrRel	Date	8	Yes
AttrSource	AttributeSource	AttrSource	String	25	No
PlanAcc	PlanimetricAccuracy	PlanAcc	Small Integer	2	Yes
Symbol			Small Integer	2	Yes
TextNote			String	50	Yes
GeodesLen	GeodesicLength	GeodesLen	Double	8	Yes
Shape_Length	Shape_Length	Shape_Length	Double	8	Yes
Subtype Name	Default Value	Domain			
<b>ObjectClass</b>					
AHGFFType	29	<a href="#">AHGFWaterPipelineType</a>			
Relation		<a href="#">AHGFPipelineRelationship</a>			
Status		<a href="#">AHGFPipelineStatus</a>			
Index Name	Ascending	Unique	Fields		
FDO_OBJECTID	Yes	Yes	OBJECTID		
FDO_Shape	No	No	Shape		

[Back to Top](#)

## Spatial references

Dimension	Minimum	Precision
<b>SH_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]]		

[Back to Top](#)

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](http://www.bom.gov.au/water)

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



**Australian Government**  

---

**Bureau of Meteorology**