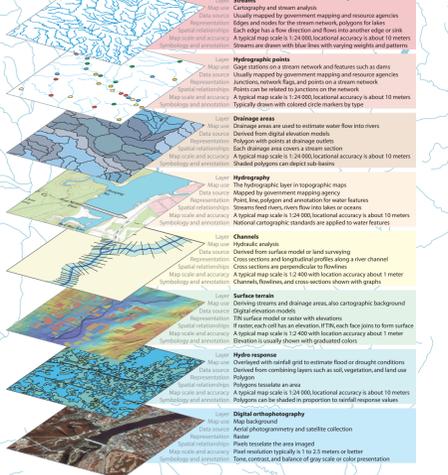


THE ARCGIS HYDRO DATA MODEL

The thematic layers



Hydrography features

HydroJunction: A point feature class representing a junction where two or more hydrographic features meet. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A line feature class representing a linear hydrographic feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroPoint: A point feature class representing a point hydrographic feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroNetwork: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunctions: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroPoint: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Drainage features

Catchment: A polygon feature class representing a drainage area. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Watershed: A polygon feature class representing a drainage area. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Basin: A polygon feature class representing a drainage area. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

DrainageLine: A line feature class representing a drainage line. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunction: A point feature class representing a junction. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A line feature class representing a linear feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroPoint: A point feature class representing a point feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Network features

HydroNetwork: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunctions: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

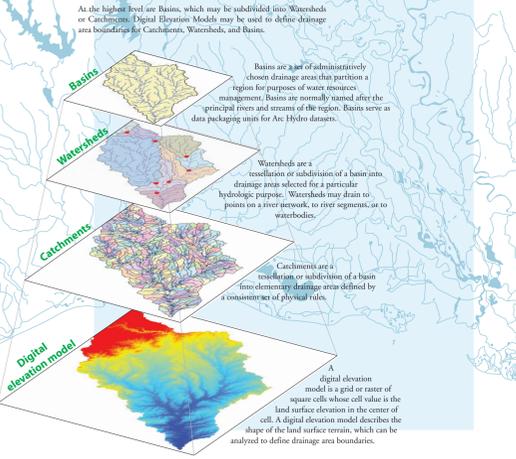
HydroPoint: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunctions: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

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HydroPoint: A complex edge feature class representing a network of hydrographic features. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Scales of representation of drainage systems



Channel features

CrossSection: A table representing a cross-section of a channel. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

ProfileLine: A line feature class representing a profile line. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunction: A point feature class representing a junction. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A line feature class representing a linear feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroPoint: A point feature class representing a point feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

Time series

TSType: A table representing a time series type. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

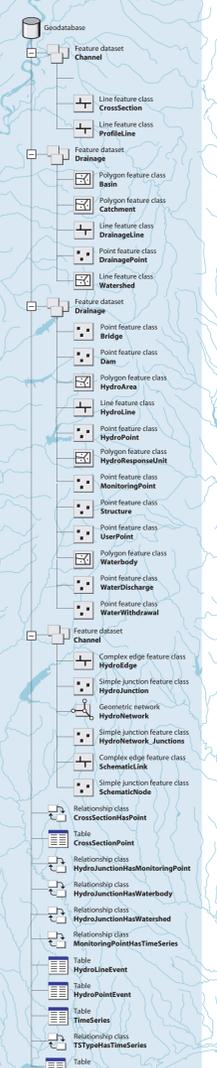
TSTimeSeries: A table representing a time series. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroJunction: A point feature class representing a junction. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroLine: A line feature class representing a linear feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

HydroPoint: A point feature class representing a point feature. It includes fields for OBJECTID, Shape, Geometry, and various codes (HydroID, ReachCode, Name, Length, FlowType, JunctionID).

The Catalog view



The geodatabase structure

