

## Breachline Standardized Attributes

### Developed by the 3D Geomatics – DEM Hydro-Modification Subgroup

- Data Source –
  - Definition: *(Identifies the source of the data that was used in the placement of the breachline)*
  - Name: Data\_Source
  - Alias: Data Source
  - Type: String
  - Allow NULL Values: Yes
  - Default Value: User Interpretation
  - Length: 30
  - Doman: datasource
  - Domain Values:
    - **User Interpretation (Default Value )**
    - **Culvert Inventory**
    - **Drainage Lines**
    - **Storm Sewer**
    - **Automated Breachlines**
    - **Other**
  
- Type –
  - Definition: *(The type of feature that the breachline represents in the digital elevation model (DEM))*
  - Name: Type
  - Alias: Type
  - Type: String
  - Allow NULL Values: Yes
  - Default Value: Bridge or Culvert
  - Length: 50
  - Doman: breachlinetype
  - Domain Values:
    - **Culvert or Bridge (Default Value)**
    - **Artifact, LiDAR Inconsistency**
    - **Tile or Ditch**
    - **Arbitrary Flow Connector**
    - **Wetland Connector**
    - **Other**
  
- Cell Size of Raw DEM:
  - Definition: *(Breachlines are digitized based on their relation to the underlying DEM cell resolution size. This field identifies the cell resolution that the breachline was digitized from and the resolution that is suggested these breachlines be used on.)*
  - Name: cellsizdem

- Alias: Cell Size Raw Dem
- Type: String
- Allow NULL Values: Yes
- Default Value: 3 meter
- Length: 12
- Doman: cellsizedem
- Domain Values:
  - **Sub-meter**
  - **1 meter**
  - **2 meter**
  - **3 meter (Default Value)**
  - **5 meter**
  - **10 meter**
- Confidence of Presence
  - *Definition: The confidence rating is essentially a database attribute tracking the evaluation of how well a digital dam breachline will serve the hDEM hydro-modification process and resulting hDEM flow path development.*
  - Name: confidpres
  - Alias: Confidence of Presence
  - Type: String
  - Allow NULL Values: Yes
  - Default Value: Medium (Assumed location based on geospatial evidence)
  - Length: 100
  - Doman: conflevel
  - Domain Values:
    - **High (Surveyed, Field Verified, Aerial Image Verified)**
    - **Medium (Assumed location based on geospatial evidence) (Default Value)**
    - **Low (Analyst estimation, but inconclusive evidence)**
- What type of project were the Breachlines created for: **(Production Attribute)**
  - *Definition: The level of DEM hydro-modification that breachlines are striving to achieve.*
  - Name: hdemlevel
  - Alias: hDEM Expected Level
  - Type: String
  - Allow NULL Values: Yes
  - Default Value: hDEM Level 3
  - Length: 15
  - Doman: hdem\_levels
  - Domain Values:
    - **hDEM Level 3**
    - **hDEM Level 2**
- Local Review (needs review) **(Production Attribute)**
  - *Definition: Identifier to flag the need for field reviewed breachlines.*
  - Name: localreview

- Alias: Local Review
- Type: String
- Allow NULL Values: Yes
- Default Value: No
- Length: 3
- Domain: localreview
- Domain Values:
  - Yes
  - No (default Value)
- Reviewer (**Production Attribute**)
  - Definition: *Reviewer of the Local Review*
- Comments – 100 character text field
- Created Analyst – System login user name at time of creation
- Created Date – System generated date and time based on time of creation
- Edited Analyst – System login user name at time of edit
- Edited Date – System generated date and time based on time of edit