

## Appendix C

### Stream Inventory GPS Data Dictionary

## GPS - Data Dictionary

### Summary of Features and Attributes

**Erosion** - Line feature indicating the location and extent of a significant exposed bank. Attribute data includes the following:

Location on bank – location of exposure on the bank

- Left lower
- Left upper
- Right upper
- Right lower

Type of failure - menu of various bank failure mechanisms

- Planer failure
- Cantilever failure
- Rotational failure
- Piping or Sapping
- Other

Length - records length of exposed bank

Height - records height of exposed bank

Slope - menu of various bank slope characteristics

- Vertical
- 1:1
- 1:2
- <1:3

Bank Material - menu of various bank material types

- Clay and/or Silt
- Sand
- Gravel
- Cobbles

Vegetation - menu of various vegetative cover types

- Barren soil
- Sedge & Grass
- Shrubs
- Deciduous
- Coniferous
- Invasive
- Non-Native

Adjacent Land Use - menu of various land use types

- Wetland
- Forest
- Agriculture
- Parks & Recreation
- Residential
- Commercial
- Transportation
- Utility

Text - miscellaneous comments and attributes

**Rip Rap** - Line feature indicating the location and extent of significant bank revetment to include riprap, dumped stone, stacked rock, gabion baskets, etc. Attribute data includes the following:

Text - miscellaneous comments and attributes

**Bridges** - Point feature indicating the location of stream crossings to include bridges and culvert crossings. Attribute data includes the following:

Type - menu of various owner/operator/maintainer

- Private
- State
- County
- Town

Bridge # - records the Bridge Identification Number (BIN) where available

Road name - records the road name where available

Text – miscellaneous comments and attributes

**Culverts** - Point feature indicating the location of stormwater outfalls, culverts, drainage outfalls, etc. Attribute data includes the following:

Size - menu of approximate culvert diameters

- 1 – 2ft
- 2 – 3ft
- 3 – 4ft
- > 4ft

Text - miscellaneous comments and attributes

**Stream Type Change** - Point feature indicating a visual change in stream channel morphology and/or classification stream type. Attribute data includes the following:

Rosgen class - menu of Level I stream types

- Aa
- A
- B
- C
- D
- E
- F
- G

Text - miscellaneous comments and attributes

**Reference Reach** - Line feature indicating the location and extent of potential reference reaches. Attribute data includes the following:

Rosgen class - text entry recording of the potential Level I stream type

Text – miscellaneous comments and attributes

**Anthropogenic** – Point feature indicating the location of human impacts/modification on channel form and/or function. Attribute data includes the following:

Description - text entry recording the modification or human influence

**Debris jams** - Point feature indicating the location of significant debris jams. Attribute data include the following:

Text – miscellaneous comments and attributes

**Clay Exposure** - Point feature indicating the location of exposed clay material. Attribute data includes the following:

Location - location of exposure within the channel

- Left bank
- Right bank
- Streambed

Text - miscellaneous comments and attributes

**Bedrock** - Point feature indicating the location of exposed bedrock. Attribute data includes the following:

Text - miscellaneous comments and attributes

**Tributaries** - Point feature indicating the location of actively flowing tributary and large drainage confluences. Attribute data includes the following:

Text - miscellaneous comments and attributes

**Channel Features** - Point feature indicating the location of significant channel features. Attribute data includes the following:

Text - miscellaneous comments and attributes

**Control** - Point feature indicating the location of survey control used for stream assessment. Attribute data includes the following:

Type - menu of various types of control monuments

- Control pin
- Right pin
- Left pin
- Erosion pin
- USGS gauge
- DOT benchmarks

Text - miscellaneous comments and attributes

Local Elevation - records the local elevation of the monument where available