Data provided here were derived from the HJ Andrews 2008 LiDAR Data (Spies, 2018) using a modified version of the TopoToolbox [Schwanghart and Kuhn, 2010; Schwanghart and Scherler, 2014]. These methods were used for the same LiDAR data for one sub-watershed by Ward et al. [2018].

All coordinates in these data sets are described in UTM Zone 10N, units of meters. All elevations are m a.m.s.l.

**File: StreamCenterline.csv**

**Description of data by row:**

|  |  |
| --- | --- |
| **Row(s)** | **Description** |
| 1 | Header |
| 2+ | Observations |

**Description of data by column (for rows 2+, where rows 1 is a header):**

|  |  |
| --- | --- |
| **Column(s)** | **Description** |
| 1-3 | X, Y, Z coordinates of stream centerline |
| 4 | Along-stream distance from basin outlet |
| 5 | Upslope accumulated area along stream centerline |
| 6 | Stream order |
| 7 | Segment number |

**File: ValleyDetails.csv**

Valley coordinates and features for cross-sections cut at approximately 10-m spacing along the valley centerline.

**Description of data by row:**

|  |  |
| --- | --- |
| **Row(s)** | **Description** |
| 1 | Header |
| 2+ | Observations |

**Description of data by column (for rows 2+, where rows 1 is a header):**

|  |  |
| --- | --- |
| **Column(s)** | **Description** |
| 1-3 | X, Y, Z coordinates of stream centerline |
| 4-6 | X, Y, Z coordinates of valley centerline |
| 7-9 | X, Y, Z coordinates of left edge of valley |
| 10-12 | X, Y, Z coordinates of right edge of valley |
| 13 | Valley width (m) |
| 14 | Valley slope for the 10-m segment upstream of the cross-section (m/m); note that the first cross-section in each segment will have a “NaN” as there is no upstream reach. |
| 15 | Stream slope for the 10-m segment upstream of the cross-section (m/m); note that the first cross-section in each segment will have a “NaN” as there is no upstream reach. |
| 16 | Upslope accumulated area along stream centerline (m2) |
| 17 | Vertical distance from stream centerline used to define valley edges (m), after Jencso et al. [2009], Ward et al., [2018] |
| 18 | Segment sinuosity (m/m) |
| 19 | Stream order |
| 20 | Segment number |

**References:**

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