Documentation for the Global River Width from Landsat (GRWL) Vector Product V01.01

Please cite Allen and Pavelsky (2018) "Global Extent of Rivers and Streams" if you use this database in your work.

This zip file contains 829 ESRI shapefile polylines of river centerlines.
Tile coverage: 4 degrees latitude by 6 degrees longitude.
Projection: Geographic WGS84
Resolution: 30 m

At each GRWL measurement location, the shapefile contains the following attributes:
1. utm_east: UTM Easting (UTM Zone is given in tile file name; meters)
2. utm_north: UTM Northing (UTM Zone is given in tile file name; meters)
3. width_m: wetted width of river (meters)
4. nchannels: braiding index (-)
5. segmentID: unique ID of river segment in each tile
6. segmentInd: Index of each observation in each segment. Not sorted by upstream or downstream
7. lakeflag: integer specifying if observation is located on a river (lakeflag=0), lake/reservoir (lakeflag=1), tidal river (lakeflag=2), or canal (lakeflag=3).
8. lon: Longitude (decimal degrees)
9. lat: Latitude (decimal degrees)
10. elev (meters) – simply sampled from the Hydro1k DEM