**Provided Files**

**WetConnectMetrics\_nlcd2011\_2022.02.16.zip** – Zipped comma-delimited table (.csv) of wetland-specific metrics for 6.7 million wetlands across the conterminous US (CONUS).

**ScienceHub-WetlandConnectivity-Data-Dictionary-2021.08.19.docx** – Data dictionary describing the metrics contained within WetConnectMetrics\_nlcd2011\_2021.09.08.zip.

**nhd-streams-nlcd-water.zip** – Rasters of combined National Hydrography Dataset Version 2 (NHDPlusV2) streams and National Land Cover Dataset water pixels (NLCD class 11). Rasters were generated for the 59 NHDPlusV2 raster processing units (RPUs) of the conterminous US. Individual rasters are named: FullStreams\_<RPU>.tif, where RPU is the NHDPlusV2 RPU ID.

**unique-wetlands.zip** – Rasters with unique identifiers assigned to contiguous and hydrologically distinct sets of wetland pixels (NLCD classes 90 and 95). Wetland IDs (WetId) are unique across all wetlands contained within the 59 files corresponding to NHDPlusV2 RPUs.

**wetland-paths.zip** – Rasters containing flow paths from wetlands to downslope streams. Paths are dendritic and new flow path IDs (PathID) were assigned at confluences of two paths or when a path passed through subsequent downslope wetlands. PathIDs are unique within an NHDPlusV2 RPU but not across RPUs due to the large number of path segments requiring IDs. Individual rasters are named: StreamLink\_<RPU>.tif, where RPU is the NHDPlusV2 RPU ID.

**topology-wetland-paths.zip** – Tables containing the topological connections between upslope to downslope wetland flow paths. Individual tables are named: WetlandFrmTo<RPU>.csv, where RPU is the NHDPlusV2 RPU ID. Column labeled ‘From’ contains the PathID of the upslope path; column labeled ‘To’ is the PathID of the downslope receiving path.

**RPU.zip** – Shapefile containing the boundaries of the NHDPlusV2 RPUs. Provided as reference.