

This document describes every output file associated with FACET. Files without any attached attribute information contain information on the file type, file name, and definition for the file. For files that contain attribute information, each attribute name (indicated in blue) and attribute definition are also described under the file name. Pages 1 - 8 show the files only associated with the clean set of FACET outputs (clean = TRUE in configuration file). Pages 9 - 17 show the full set of FACET output files.

Data dictionary for cleaned FACET output files

File Type	File Name	Attribute Name	Definition: units (u) of the output files are in the same units of the input DEM, unless otherwise noted
GeoTIFF	[folder name]_bankpixels.tif		Stream bank location (i.e. bank pixels) from curvature approach
Shapefile	[folder name]_channel_xns.shp		1-D channel cross-sections used to extract values and calculate metrics
Attribute	[folder name]_channel_xns.shp	FID	Unique identifier
Attribute	[folder name]_channel_xns.shp	Shape	Type of shapefile
Attribute	[folder name]_channel_xns.shp	linkno	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_channel_xns.shp	strmord	Strahler stream order
GeoTIFF	[folder name]_dem.tif		Original DEM "user input file"
GeoTIFF	[folder name]_floodplain.tif		Active floodplain extent delineated from FACET using relationships between drainage area and HAND thresholds
GeoTIFF	[folder name]_hand.tif		Height Above Nearest Drainage (HAND) grid for entire watershed. Each pixel value indicates the height above the location in the stream channel where that particular point on the landscape drains to. (u)
Shapefile	[folder name]_mask.shp		shapefile of input DEM boundary "user input file"
GeoTIFF	[folder name]_network.tif		DEM-derived stream network (TauDEM)
Shapefile	[folder name]_network.shp		DEM-derived stream network (TauDEM). For more details see http://hydrology.usu.edu/taudem/taudem5/help53/DataFileFormatsAndFileNamingConventions.htm
Attribute	[folder name]_network.shp	FID	Unique identifier
Attribute	[folder name]_network.shp	Shape	Type of shapefile
Attribute	[folder name]_network.shp	LINKNO	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_network.shp	DSLINKNO	Unique reach identifier for the downstream reach. -1 indicates no downstream reach
Attribute	[folder name]_network.shp	USLINKNO1	Unique reach identifier for the upstream reach. -1 indicates no upstream reach
Attribute	[folder name]_network.shp	USLINKNO2	Unique reach identifier for the upstream reach. -1 indicates no upstream reach
Attribute	[folder name]_network.shp	DSNODEID	Node ID at downstream end of reach
Attribute	[folder name]_network.shp	strmOrder	Strahler stream order
Attribute	[folder name]_network.shp	Length	Length of reach (u)
Attribute	[folder name]_network.shp	Magnitude	Shreve magnitude
Attribute	[folder name]_network.shp	DSContArea	Drainage area at the downstream end of the reach (sq. u)
Attribute	[folder name]_network.shp	strmDrop	Drop in elevation from the upstream to downstream end of the reach (u)
Attribute	[folder name]_network.shp	Slope	Average slope of the reach (calculated as drop/length)
Attribute	[folder name]_network.shp	StraightL	Straight line distance from the upstream to the downstream end of the reach (u)
Attribute	[folder name]_network.shp	USContArea	Drainage area at the upstream end of the reach (sq. u)
Attribute	[folder name]_network.shp	WNSNO	Watershed number - cross reference to the w.shp and w.grid files giving the ID of the watershed draining directly to the reach
Attribute	[folder name]_network.shp	DOUTEND	Distance from the downstream end of the reach to the most downstream point in the stream network (u)
Attribute	[folder name]_network.shp	DOUTSTART	Distance from the upstream end of the reach to the most downstream point in the stream network (u)
Attribute	[folder name]_network.shp	DOUTMID	Distance from the midpoint of the reach to the most downstream point in the stream network (u)
Post processing outputs			
Shapefile	[bankpoints_1D_metrics.shp]		output of part 1 of post-processing - bank points locations shapefile containing points that are flagged for either falling inside or outside the NHD buffer
Attribute	[folder name]_bankpoints_1D_metrics.shp	FID	Unique identifier
Attribute	[folder name]_bankpoints_1D_metrics.shp	Shape	Type of shapefile
Attribute	[folder name]_bankpoints_1D_metrics.shp	xn_num	Unique identifier for the cross-section ID intersecting the bank points (corresponds to FID field in the 'breach_chxns.shp' file)
Attribute	[folder name]_bankpoints_1D_metrics.shp	linkno	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bankht_1d	Bank height from the slope break method (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bank_elev	Bank elevation (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bnk_ang_1	Bank angle 1 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bnk_ang_2	Bank angle 2 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	[folder name]_bankpoints_1D_metrics.shp	chan_area	Area of cross-section from just under bank points to the bottom of the cross-section (limited to the water surface with traditional aerial lidar data) (sq. u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	chan_width	channel width, measured as the distance between the two bank points on each cross-section (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	obank_rat	Ratio of channel width just under banks to width just over banks
Attribute	[folder name]_bankpoints_1D_metrics.shp	area_ratio	Ratio of total area under cross-section to cross-sectional area below bank points
Attribute	[folder name]_bankpoints_1D_metrics.shp	unique_id	Unique ID for each attribute
Attribute	[folder name]_bankpoints_1D_metrics.shp	NHDflag	Contains values of 0 or 1. 0 = bank points fall within user-set buffer of NHD. 1 = bank points fall outside user-set buffer of NHD. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Attribute	[folder name]_bankpoints_1D_metrics.shp	WBDflag	Contains values of 0 or 1. 0 = bank points fall outside an NHD waterbody. 1 = bank points fall inside an NHD waterbody. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Shapefile	[floodplain_xns_1D_metrics.shp]		output of part 1 of post-processing - floodplain cross-sections shapefile that are flagged for either falling inside or outside the NHD buffer
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	FID	Unique identifier
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	Shape	Type of shapefile
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	linkno	Unique reach identifier intersecting 1-D floodplain cross-section (corresponds to 'linkno' in other files)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	strmorder	Strahler stream order intersecting with 1-D floodplain cross-section
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	fpn_1d	Unique floodplain cross-section ID for each reach (value resets to 0 starting at next reach)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	fpwid_1d	Total floodplain width at 1-D floodplain cross-section (u)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	mind_1d	Minimum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	maxd_1d	Maximum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	rgnd_1d	Range HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	meand_1d	Mean HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	std_1d	Standard deviation of HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	sumd_1d	Sum of all HAND depths along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	mine_1d	Minimum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	maxe_1d	Maximum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	rgxe_1d	Range elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	meane_1d	Mean elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	std_1d	Standard deviation of elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	sume_1d	Sum of all elevation values along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	unique_id	Unique ID for each attribute
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	NHDflag	Contains values of 0 or 1. 0 = reach that intersects with floodplain cross section falls within user-set buffer of NHD. 1 = reach that intersects with floodplain cross section falls outside user-set buffer of NHD. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	WBDflag	Contains values of 0 or 1. 0 = reach that intersects with floodplain cross section falls outside an NHD waterbody. 1 = reach that intersects with floodplain cross section falls inside an NHD waterbody. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Shapefile	[channel_floodplain_2D_metrics.shp]		output of part 1 of post-processing
Attribute	[channel_floodplain_2D_metrics.shp]	FID	Unique identifier
Attribute	[channel_floodplain_2D_metrics.shp]	Shape	Type of shapefile
Attribute	[channel_floodplain_2D_metrics.shp]	linkno	Unique reach identifier
Attribute	[channel_floodplain_2D_metrics.shp]	chnwid_px	Total channel width from channel_width_from_bank_pixels() function. Summing chnwid1_px and chnwid2_px provide the total channel width for the segment. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[channel_floodplain_2D_metrics.shp]	chnwid1_px	Channel width from segment 1 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[channel_floodplain_2D_metrics.shp]	chnwid2_px	Channel width from segment 2 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[channel_floodplain_2D_metrics.shp]	dist_sl	Straight line distance of the segment (u)
Attribute	[channel_floodplain_2D_metrics.shp]	dist	Actual line segment distance (u)
Attribute	[channel_floodplain_2D_metrics.shp]	sinuosity	Strahler stream order
Attribute	[channel_floodplain_2D_metrics.shp]	fpwid_2dc	Average total floodplain width along 2-D cross-section (u)
Attribute	[channel_floodplain_2D_metrics.shp]	rgnd_2dc	Range of HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[channel_floodplain_2D_metrics.shp]	mind_2dc	Minimum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[channel_floodplain_2D_metrics.shp]	maxd_2dc	Maximum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[channel_floodplain_2D_metrics.shp]	std_2dc	Standard deviation of HAND depth along 2-D floodplain cross-section (u) (includes depth within channel)
Attribute	[channel_floodplain_2D_metrics.shp]	rug_2dc	Rugosity at 2-D floodplain cross-section, measured as surface area divided by planar surface area
Attribute	[channel_floodplain_2D_metrics.shp]	bankht_2dh	Bank height obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2-D slices along segments of the channel. (u)
Attribute	[channel_floodplain_2D_metrics.shp]	chnshp_2dh	Channel shape calculated as the arctan(bankht_2dh/chnshp_2dh). A proxy for entrenchment or depth vs. width.
Attribute	[channel_floodplain_2D_metrics.shp]	chnwid_2dh	Channel width obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2D slices along segments of the channel. (u)
Attribute	[channel_floodplain_2D_metrics.shp]	mind_2dh	Minimum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[channel_floodplain_2D_metrics.shp]	maxd_2dh	Maximum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[channel_floodplain_2D_metrics.shp]	std_2dh	Standard deviation of HAND depth of along 2-D floodplain cross-section, excluding in-channel pixels (u)
Attribute	[channel_floodplain_2D_metrics.shp]	fpwid_2dh	Floodplain width measured from the hand_analysis_chsegs() function which separates the in-channel pixels from the FP pixels (u)
Attribute	[channel_floodplain_2D_metrics.shp]	rug_2dh	Rugosity of floodplain pixels along 2-D floodplain, measured as surface area divided by planar surface area

2

3

4

5

6

7

8

Data dictionary for all FACET output files

File Type	File Name	Attribute Name	Definition; units (u) of the output files are in the same units of the input DEM, unless otherwise noted
GeoTIFF	[folder name]_bankpixels.tif		Stream bank location (i.e. bank pixels) from curvature approach
Shapefile	[folder name]_bankpoints_1D_metrics.shp		Bankpoint locations from slope break approach and associated metrics
Attribute	[folder name]_bankpoints_1D_metrics.shp	FID	Unique identifier
Attribute	[folder name]_bankpoints_1D_metrics.shp	Shape	Type of shapefile
Attribute	[folder name]_bankpoints_1D_metrics.shp	xn_rum	Unique identifier for the cross-section ID intersecting the bank points (corresponds to FID field in the '_breach_chxns.shp' file)
Attribute	[folder name]_bankpoints_1D_metrics.shp	linkno	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bankht_1d	Bank height from the slope break method (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bank_elev	Bank elevation (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bnk_ang_1	Bank angle 1 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	[folder name]_bankpoints_1D_metrics.shp	bnk_ang_2	Bank angle 2 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	[folder name]_bankpoints_1D_metrics.shp	chan_area	Area of cross-section from just under bank points to the bottom of the cross-section (limited to the water surface with traditional aerial lidar data) (sq. u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	chan_wid	channel width, measured as the distance between the two bank points on each cross-section (u)
Attribute	[folder name]_bankpoints_1D_metrics.shp	obank_rat	Ratio of channel width just under banks to width just over banks
Attribute	[folder name]_bankpoints_1D_metrics.shp	area_ratio	Ratio of total area under cross-section to cross-sectional area below bank points
GeoTIFF	[folder name]_breach.tif		Breached DEM with paths carved through barriers to flow, such as bridges and dams (WBT)
GeoTIFF	[folder name]_breach_ad8_no_wg.tif		D8 contributing area (TauDEM) (sq. u)
GeoTIFF	[folder name]_breach_ad8_wg.tif		D8 contributing area with NHD initiation points as weight grid (TauDEM) (sq. u)
GeoTIFF	[folder name]_ang.tif		D infinity flow direction grid (TauDEM)
GeoTIFF	[folder name]_breach_ord_g.tif		Strahler stream order grid (TauDEM)
GeoTIFF	[folder name]_breach_p.tif		D8 flow direction grid (TauDEM)
GeoTIFF	[folder name]_breach_sd8.tif		D8 slope grid (TauDEM)
GeoTIFF	[folder name]_breach_slp.tif		D-infinity slope grid (TauDEM)
GeoTIFF	[folder name]_breach_w.tif		Watersheds for each stream reach (TauDEM)
Shapefile	[folder name]_breach_w.shp		shapefile of watershed grid (TauDEM)
Shapefile	[folder name]_breach_w_diss_physio.shp		shapefile of watershed grid with physiographic province information linked to each watershed boundary
Shapefile	[folder name]_channel_floodplain_2D_metrics.shp		Reach segments summarizing metrics at 2-D cross-sections
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	FID	Unique identifier
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	Shape	Type of shapefile
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	linkno	Unique reach identifier
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	chnwid_px	Total channel width from channel_width_from_bank_pixels() function. Summing chnwid1_px and chnwid2_px provide the total channel width for the segment. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	chnwid1_px	Channel width from segment 1 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	chnwid2_px	Channel width from segment 2 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	dist_sl	Straight line distance of the segment (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	dist	Actual line segment distance (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	sinuosity	dist/dist_sl (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	strmorder	Strahler stream order
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	fpwid_2dc	Average total floodplain width along 2-D cross-section (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	rngd_2dc	Range of HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	mind_2dc	Minimum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	maxd_2dc	Maximum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	stdd_2dc	Standard deviation of HAND depth along 2-D floodplain cross-section (u) (includes depth within channel)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	rug_2dc	Rugosity at 2-D floodplain cross-section, measured as surface area divided by planar surface area
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	bankht_2dh	Bank height obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2-D slices along segments of the channel. (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	chnshp_2dh	Channel shape calculated as the arctan(bankht_2dh/chnshp_2dh). A proxy for entrenchment or depth vs. width.
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	chnwid_2dh	Channel width obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2-D slices along segments of the channel. (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	mind_2dh	Minimum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	maxd_2dh	Maximum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	stdd_2dh	Standard deviation of HAND depth of floodplain along 2-D floodplain cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	fpwid_2dh	Floodplain width measured from the hand_analysis_chsegs() function which separates the in-channel pixels from the FP pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	rug_2dh	Rugosity of floodplain pixels along 2-D floodplain, measured as surface area divided by planar surface area
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	rngd_2dh	Range of HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	mine_2dh	Minimum floodplain elevation of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	maxe_2dh	Maximum floodplain elevation of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	stde_2dh	Standard deviation of floodplain elevation along 2-D floodplain cross-section, excluding in-channel pixels (u)
Attribute	[folder name]_channel_floodplain_2D_metrics.shp	rnge_2dh	Range of floodplain elevation along 2-D cross-section, excluding in-channel pixels (u)
Shapefile	[folder name]_channel_xns.shp		1-D channel cross-sections used to extract values and calculate metrics
Attribute	[folder name]_channel_xns.shp	FID	Unique identifier
Attribute	[folder name]_channel_xns.shp	Shape	Type of shapefile
Attribute	[folder name]_channel_xns.shp	linkno	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_channel_xns.shp	strmord	Strahler stream order
GeoTIFF	[folder name]_dem.tif		Original DEM "user input file
Shapefile	[folder name]_dem_nhdhires.shp		NHD high res (or other stream network input file) clipped to DEM
GeoTIFF	[folder name]_dem_proj.tif		DEM projected in specified projection from config file
GeoTIFF	[folder name]_floodplain.tif		Active floodplain extent delineated from FACET using relationships between drainage area and HAND thresholds
CSV	[folder name]_floodplain_hand_height.csv		Table of HAND thresholds used for each reach ID
Shapefile	[folder name]_floodplain_xns_1D_metrics.shp		1-D floodplain cross-sections used to extract values and calculate metrics
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	FID	Unique identifier
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	Shape	Type of shapefile
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	linkno	Unique reach identifier intersecting 1-D floodplain cross-section (corresponds to 'linkno' in other files)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	strmorder	Strahler stream order intersecting with 1-D floodplain cross-section
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	fxpn_1d	Unique floodplain cross-section ID for each reach (value resets to 0 starting at next reach)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	fpwid_1d	Total floodplain width at 1-D floodplain cross-section (u)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	mind_1d	Minimum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	maxd_1d	Maximum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	rngd_1d	Range HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	meand_1d	Mean HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	stdd_1d	Standard deviation of HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	sumd_1d	Sum of all HAND depths along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	mine_1d	Minimum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	maxe_1d	Maximum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	rnge_1d	Range elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	meane_1d	Mean elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	stde_1d	Standard deviation of elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	[folder name]_floodplain_xns_1D_metrics.shp	sume_1d	Sum of all elevation values along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
GeoTIFF	[folder name]_hand.tif		Height Above Nearest Drainage (HAND) grid for entire watershed. Each pixel value indicates the height above the location in the stream channel where that particular point on the landscape drains to. (u)
Shapefile	[folder name]_mask.shp		shapefile of input DEM boundary "user input file
Shapefile	[folder name]_mask_proj.shp		shapefile of input DEM boundary projected in specified projection from config file
GeoTIFF	[folder name]_network.tif		DEM-derived stream network (TauDEM)
Shapefile	[folder name]_network.shp		DEM-derived stream network (TauDEM). For more details see http://hydrology.usu.edu/taudem/taudem5/help53/DataFileFormatsAndFileNamingConventions.htm
Attribute	[folder name]_network.shp	FID	Unique identifier
Attribute	[folder name]_network.shp	Shape	Type of shapefile
Attribute	[folder name]_network.shp	LINKNO	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	[folder name]_network.shp	DSLINKNO	Unique reach identifier for the downstream reach. -1 indicates no downstream reach
Attribute	[folder name]_network.shp	USLINKNO1	Unique reach identifier for the upstream reach. -1 indicates no upstream reach
Attribute	[folder name]_network.shp	USLINKNO2	Unique reach identifier for the upstream reach. -1 indicates no upstream reach
Attribute	[folder name]_network.shp	DSNODEID	Node ID at downstream end of reach
Attribute	[folder name]_network.shp	strmOrder	Strahler stream order
Attribute	[folder name]_network.shp	Length	Length of reach (u)
Attribute	[folder name]_network.shp	Magnitude	Shreve magnitude
Attribute	[folder name]_network.shp	DSContArea	Drainage area at the downstream end of the reach (sq. u)
Attribute	[folder name]_network.shp	strmDrop	Drop in elevation from the upstream to downstream end of the reach (u)
Attribute	[folder name]_network.shp	Slope	Average slope of the reach (calculated as drop/length)
Attribute	[folder name]_network.shp	StraightL	Straight line distance from the upstream to the downstream end of the reach (u)
Attribute	[folder name]_network.shp	USContArea	Drainage area at the upstream end of the reach (sq. u)
Attribute	[folder name]_network.shp	WSNO	Watershed number - cross reference to the w.shp and w.grid files giving the ID of the watershed draining directly to the reach
Attribute	[folder name]_network.shp	DOUTEND	Distance from the downstream end of the reach to the most downstream point in the stream network (u)

Attribute	[folder name]_network.shp	DOUTSTART	Distance from the upstream end of the reach to the most downstream point in the stream network (u)
Attribute	[folder name]_network.shp	DOUTMID	Distance from the midpoint of the reach to the most downstream point in the stream network (u)
GeoTIFF	[folder name]_wg.tif		Flag used to show weight grid - used to initiate DEM-derived network in same location as input stream network (TauDEM)
Shapefile	breach_w_tmp.shp		Temp. file associated with generating folder name_breach_w.shp
GeoTIFF	dem_road_stream.tif		Mosaic of original DEM and ds_min_clip.tif
GeoTIFF	ds_min_clip.tif		Local minimum clipped to x_section_polys.shp
GeoTIFF	ds_min_filter.tif		Local minimum filter
Shapefile	tmp_roads.shp		census roads clipped to input DEM
Shapefile	tmp_rails.shp		census railways clipped to input DEM
Shapefile	x_section_polys.shp		polygon around x_section_pts used to lower elevation of DEM where barriers from bridges exist using local minimum
Shapefile	x_section_pts.shp		points where input stream network intersects with census roads or rails
Post processing outputs			
Shapefile	bankpoints_1D_metrics.shp		output of part 1 of post-processing - bank points locations shapefile containing points that are flagged for either falling inside or outside the NHD buffer
Attribute	bankpoints_1D_metrics.shp	FID	Unique identifier
Attribute	bankpoints_1D_metrics.shp	Shape	Type of shapefile
Attribute	bankpoints_1D_metrics.shp	xn_num	Unique identifier for the cross-section ID intersecting the bank points (corresponds to FID field in the 'breach_chxns.shp' file)
Attribute	bankpoints_1D_metrics.shp	linkno	Unique reach identifier (corresponds to 'linkno' in other files)
Attribute	bankpoints_1D_metrics.shp	bankht_1d	Bank height from the slope break method (u)
Attribute	bankpoints_1D_metrics.shp	bank_elev	Bank elevation (u)
Attribute	bankpoints_1D_metrics.shp	bank_ang_1	Bank angle 1 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	bankpoints_1D_metrics.shp	bank_ang_2	Bank angle 2 (see outputs to ID which bank corresponds to angle 1 and 2) (degree)
Attribute	bankpoints_1D_metrics.shp	chan_area	Area of cross-section from just under bank points to the bottom of the cross-section (limited to the water surface with traditional aerial lidar data) (sq. u)
Attribute	bankpoints_1D_metrics.shp	chan_width	channel width, measured as the distance between the two bank points on each cross-section (u)
Attribute	bankpoints_1D_metrics.shp	obank_rat	Ratio of channel width just under banks to width just over banks
Attribute	bankpoints_1D_metrics.shp	area_ratio	Ratio of total area under cross-section to cross-sectional area below bank points
Attribute	bankpoints_1D_metrics.shp	unique_id	Unique ID for each attribute
Attribute	bankpoints_1D_metrics.shp	NHDflag	Contains values of 0 or 1. 0 = bank points fall within user-set buffer of NHD. 1 = bank points fall outside user-set buffer of NHD. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Attribute	bankpoints_1D_metrics.shp	WBDflag	Contains values of 0 or 1. 0 = bank points fall inside an NHD waterbody. 1 = bank points fall inside an NHD waterbody. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Shapefile	floodplain_xns_1D_metrics.shp		output of part 1 of post-processing - floodplain cross-sections shapefile that are flagged for either falling inside or outside the NHD buffer
Attribute	floodplain_xns_1D_metrics.shp	FID	Unique identifier
Attribute	floodplain_xns_1D_metrics.shp	Shape	Type of shapefile
Attribute	floodplain_xns_1D_metrics.shp	linkno	Unique reach identifier intersecting 1-D floodplain cross-section (corresponds to 'linkno' in other files)
Attribute	floodplain_xns_1D_metrics.shp	strmorder	Strahler stream order intersecting with 1-D floodplain cross-section
Attribute	floodplain_xns_1D_metrics.shp	fpnx_1d	Unique floodplain cross-section ID for each reach (value resets to 0 starting at next reach)
Attribute	floodplain_xns_1D_metrics.shp	fpwid_1d	Total floodplain width along 1-D floodplain cross-section (u)
Attribute	floodplain_xns_1D_metrics.shp	mind_1d	Minimum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	maxd_1d	Maximum HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	rngd_1d	Range HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	meand_1d	Mean HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	stddev_1d	Standard deviation of HAND depth along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	sumd_1d	Sum of all HAND depths along portion of 1-D floodplain cross-section intersecting the floodplain extent (u) (includes depth within channel)
Attribute	floodplain_xns_1D_metrics.shp	mine_1d	Minimum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	maxe_1d	Maximum elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	rnge_1d	Range elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	meane_1d	Mean elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	stdev_1d	Standard deviation of elevation along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	sume_1d	Sum of all elevation values along entire 1-D floodplain cross-section (u) (includes elevation along cross-section falling outside the floodplain extent)
Attribute	floodplain_xns_1D_metrics.shp	unique_id	Unique ID for each attribute
Attribute	floodplain_xns_1D_metrics.shp	NHDflag	Contains values of 0 or 1. 0 = reach that intersects with floodplain cross section falls within user-set buffer of NHD. 1 = reach that intersects with floodplain cross section falls outside user-set buffer of NHD. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Attribute	floodplain_xns_1D_metrics.shp	WBDflag	Contains values of 0 or 1. 0 = reach that intersects with floodplain cross section falls inside an NHD waterbody. 1 = reach that intersects with floodplain cross section falls inside an NHD waterbody. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Shapefile	channel_floodplain_2D_metrics.shp		output of part 1 of post-processing
Attribute	channel_floodplain_2D_metrics.shp	FID	Unique identifier
Attribute	channel_floodplain_2D_metrics.shp	Shape	Type of shapefile
Attribute	channel_floodplain_2D_metrics.shp	linkno	Unique reach identifier
Attribute	channel_floodplain_2D_metrics.shp	chnwid_px	Total channel width from channel_width_from_bank_pixels() function. Summing chnwid1_px and chnwid2_px provide the total channel width for the segment. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	channel_floodplain_2D_metrics.shp	chnwid1_px	Channel width from segment 1 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	channel_floodplain_2D_metrics.shp	chnwid2_px	Channel width from segment 2 from the streamline obtained from the channel_width_from_bank_pixels() function. The algorithm buffers the streamline incrementally on each side of the streamline searching for bank pixels. It finds each of these width values then sums them up to get the total width. (u)
Attribute	channel_floodplain_2D_metrics.shp	dist_sl	Straight line distance of the segment (u)
Attribute	channel_floodplain_2D_metrics.shp	dist	Actual line segment distance (u)
Attribute	channel_floodplain_2D_metrics.shp	sinuosity	dist/dist_sl (u)
Attribute	channel_floodplain_2D_metrics.shp	strmorder	Strahler stream order
Attribute	channel_floodplain_2D_metrics.shp	fpwid_2dc	Average total floodplain width along 2-D cross-section (u)
Attribute	channel_floodplain_2D_metrics.shp	rngd_2dc	Range of HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	channel_floodplain_2D_metrics.shp	mind_2dc	Minimum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	channel_floodplain_2D_metrics.shp	maxd_2dc	Maximum HAND depth along 2-D cross-section (u) (includes depth within channel)
Attribute	channel_floodplain_2D_metrics.shp	stddev_2dc	Standard deviation of HAND depth along 2-D floodplain cross-section (u) (includes depth within channel)
Attribute	channel_floodplain_2D_metrics.shp	rug_2dc	Rugosity at 2-D floodplain cross-section, measured as surface area divided by planar surface area
Attribute	channel_floodplain_2D_metrics.shp	bankht_2dh	Bank height obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2-D slices along segments of the channel. (u)
Attribute	channel_floodplain_2D_metrics.shp	chnshp_2dh	Channel shape calculated as the arctan(bankht_2dh/chnshp_2dh). A proxy for entrenchment or depth vs. width.
Attribute	channel_floodplain_2D_metrics.shp	chnwid_2dh	Channel width obtained from the hand_analysis_chsegs() function and determined by analyzing the HAND grid in vertical 2D slices along segments of the channel. (u)
Attribute	channel_floodplain_2D_metrics.shp	mind_2dh	Minimum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	maxd_2dh	Maximum HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	stddev_2dh	Standard deviation of HAND depth of along 2-D floodplain cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	fpwid_2dh	Floodplain width measured from the hand_analysis_chsegs() function which separates the in-channel pixels from the FP pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	rug_2dh	Rugosity of floodplain pixels along 2-D floodplain, measured as surface area divided by planar surface area
Attribute	channel_floodplain_2D_metrics.shp	rngd_2dh	Range of HAND depth of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	mine_2dh	Minimum floodplain elevation of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	maxe_2dh	Maximum floodplain elevation of floodplain along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	stdev_2dh	Standard deviation of floodplain elevation along 2-D floodplain cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	rnge_2dh	Range of floodplain elevation along 2-D cross-section, excluding in-channel pixels (u)
Attribute	channel_floodplain_2D_metrics.shp	unique_id	Unique ID for each attribute
Attribute	channel_floodplain_2D_metrics.shp	NHDflag	Contains values of 0 or 1. 0 = reach falls within user-set buffer of NHD. 1 = reach falls outside user-set buffer of NHD. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
Attribute	channel_floodplain_2D_metrics.shp	WBDflag	Contains values of 0 or 1. 0 = reach falls outside an NHD waterbody. 1 = reach falls inside an NHD waterbody. The user has the option to remove these values before calculating summary stats. (default = remove attributes with a value of 1).
DataBase File	bankpoints_1D_metrics_all_stats.dbf		Summary statistics of 1-D channel metrics for each reach, identified by linkno. *See original field definitions from 'breach_bankpts.shp' section for more detailed description of each metric
Attribute	bankpoints_1D_metrics_all_stats.dbf	OID	Unique ID for each attribute (row)
Attribute	bankpoints_1D_metrics_all_stats.dbf	LINKNO	Linkno associated with each group of metrics
Attribute	bankpoints_1D_metrics_all_stats.dbf	BHmean	Bank height, mean
Attribute	bankpoints_1D_metrics_all_stats.dbf	BHstd	Bank height, standard deviation
Attribute	bankpoints_1D_metrics_all_stats.dbf	BHmed	Bank height, median
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH1QR	Bank height, interquartile range
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH955med	Bank height, median, for values <95th and >5th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH955mean	Bank height, mean, for values <95th and >5th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH9551QR	Bank height, interquartile range, for values <95th and >5th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH955mad	Bank height, mean absolute deviation, for values <95th and >5th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH955std	Bank height, standard deviation, for values <95th and >5th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH7525med	Bank height, median, for values <75th and >25th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH7525mean	Bank height, mean, for values <75th and >25th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH75251QR	Bank height, interquartile range, for values <25th and >75th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH7525mad	Bank height, mean absolute deviation, for values <25th and >75th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BH7525std	Bank height, standard deviation, for values <25th and >75th percentile (within the reach)
Attribute	bankpoints_1D_metrics_all_stats.dbf	BELmean	Bank elevation, mean

11

12

13

14

[illegible]

16

Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CHSHPCOV	Channel shape (chnshp_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CHSHP75COV	Channel shape (chnshp_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CHSHP95COV	Channel shape (chnshp_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CWPX3COV	Channel width (chnwid_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CWPX375COV	Channel width (chnwid_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	CWPX395COV	Channel width (chnwid_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMI3COV	Minimum HAND depth, excluding in-channel pixels (mind_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMI375COV	Minimum HAND depth, excluding in-channel pixels (mind_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMI395COV	Minimum HAND depth, excluding in-channel pixels (mind_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMAX3COV	Maximum HAND depth, excluding in-channel pixels (maxd_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMAX375COV	Maximum HAND depth, excluding in-channel pixels (maxd_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPMAX395COV	Maximum HAND depth, excluding in-channel pixels (maxd_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPST3COV	Standard deviation HAND depth, excluding in-channel pixels (stdd_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPST375COV	Standard deviation HAND depth, excluding in-channel pixels (stdd_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPST395COV	Standard deviation HAND depth, excluding in-channel pixels (stdd_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPW3COV	Total floodplain width, excluding in-channel pixels (fpwid_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPW375COV	Total floodplain width, excluding in-channel pixels (fpwid_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPW395COV	Total floodplain width, excluding in-channel pixels (fpwid_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRU3COV	Rugosity, excluding in-channel pixels (rug_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRU375COV	Rugosity, excluding in-channel pixels (rug_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRU395COV	Rugosity, excluding in-channel pixels (rug_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRN3COV	Range HAND depth, excluding in-channel pixels (rngd_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRN375COV	Range HAND depth, excluding in-channel pixels (rngd_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FPRN395COV	Range HAND depth, excluding in-channel pixels (rngd_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMi3ECOV	Minimum floodplain elevation, excluding in-channel pixels (mine_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMi3E75COV	Minimum floodplain elevation, excluding in-channel pixels (mine_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMi3E95COV	Minimum floodplain elevation, excluding in-channel pixels (mine_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMA3ECOV	Maximum floodplain elevation, excluding in-channel pixels (maxe_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMA3E75COV	Maximum floodplain elevation, excluding in-channel pixels (maxe_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FMA3E95COV	Maximum floodplain elevation, excluding in-channel pixels (maxe_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FST3ECOV	Standard deviation floodplain elevation, excluding in-channel pixels (stde_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FST3E75COV	Standard deviation floodplain elevation, excluding in-channel pixels (stde_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FST3E95COV	Standard deviation floodplain elevation, excluding in-channel pixels (stde_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FRN3ECOV	Range floodplain elevation, excluding in-channel pixels (rng_e_2dh), coefficient of variation
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FRN3E75COV	Range floodplain elevation, excluding in-channel pixels (rng_e_2dh), coefficient of variation, for values <75th and >25th percentile (within the reach)
Attribute	channel_floodplain_2D_metrics_all_stats.dbf	FRN3E95COV	Range floodplain elevation, excluding in-channel pixels (rng_e_2dh), coefficient of variation, for values <95th and >5th percentile (within the reach)
Shapefile	tmp_outside_buffer.shp		Shapefile identifying areas outside a buffered distance from the NHD flowlines (buffer distance set in the config file)
Shapefile	tmp_streams_inside_nhd_bodies.shp		DEM-derived stream network ((folder name)_network.shp) intersecting tmp_water_bodies.shp
Shapefile	tmp_streams_outside_nhd_buff.shp		DEM-derived stream network ((folder name)_network.shp) intersecting tmp_outside_buffer.shp
Shapefile	tmp_water_bodies.shp		NHD waterbodies under the following categories: reservoirs, lakes, and ponds