File	Variable	Values	Description
Occupy.csv			
	GAGE	Gage number	USGS gage number without leading zeros
	SPPCODE	Character species code	Species code as defined in table 1 and file SppList.csv; SPPCODE of NONE indicates no woody species at site
	PRESENT	1	Present; no entries for species not present; 1 for SPPCODE of NONE indicates no woody species at site
Gages.csv			
	GAGE	Gage number	USGS gage number without leading zeros
	RIVER	River name	Character; may include embedded spaces
	LONG	Decimal degrees	Longitude in decimal degrees; from gage description NAD83
	LAT	Decimal degrees	Latitude in decimal degrees; from gage description NAD83
	ALTITUDE	Meters	Altitude; from gage description NGVD29
Indicators.csv			
	GAGE	Gage number	USGS gage number without leading zeros
	YYYY	Year	Year sampled
	MM	Month	Month (1–12) sampled
	LSTABLE	Decimal fraction	Fraction of left bank (looking downstream) with anthropogenic bank stabilization
	RSTABLE	Decimal fraction	Fraction of right bank (looking downstream) with anthropogenic bank stabilization
	FPSED	D_{50} in millimeters	Estimate of floodplain sediment size class, value of 99999 is bedrock
	GZHERB	Classification of 1-4	Classification of current herbaceous grazing indicators
		1	Seed heads of cool and warm season grass species intact
		2	Seed heads of cool season grasses present but scattered-visible feces less than 1 year old

		3	Most herbaceous species obviously grazed-but stubble heights obscure the ground
		4	All herbaceous species are grazed so close to the ground that feces become very prominent
GZSHRUB	Classification of 1–2		Classification of current shrub grazing indicators
		1	Existing shrubs intact
		2	Existing shrubs show some recent use, leaves stripped off; some young twigs clipped
GZPAST	Classification of 1–4		Classification of past use grazing indicators
		1	Shrubs show little to no browsing; Regeneration present on suitable sites
		2	Shrubs, especially those known to be palatable, show browse patterns; Shrub and tree regeneration present; Weedy annual or biennial species typically prominent
		3	Shrubs widely scattered, crowns reduced and shaped by browsing (flat-topped or umbrella-shaped); Weedy annual or biennial species typically present but may not be noticeable due to grazing
		4	Few to no shrubs where expected; other indicators of long and high grazing use present such as: Animal trails well-defined and shade-up areas have trampled appearance and bare soil; Bank trampling is well-distributed and not restricted to local areas; All herbaceous species are grazed so close to the ground that feces become very prominent; If winter-grazed, known invader and increaser species are prominent
EPLANT	1=Yes; 0=No		Was planted ELEANG observed within 5 km of site
TPLANT	1=Yes; 0=No		Was planted TAMRAM observed within 5 km of site
SALT	1=Yes; 0=No		Were indicators of high salinity observed; salt crusts or halophytes other than TAMRAM
DOWN	1=Yes; 0=No		Has there been notable and obvious downcutting or channel narrowing in the last 150 years

Geometry.csv

GAGE	Gage number	USGS gage number without leading zeros
SITEAREA	km^2	Total mapped study area
CHANAREA	km^2	River channel area in mapped study area
CHANLEN	km	Length of river channel in mapped study area
VALLEN	km	Length of valley corresponding to mapped study area
GRADFRAC	decimal fraction	River gradient as decimal fraction representing change in altitude/river length
GRADCODE	Classification of 1-4	
	1	Normal estimation using topographic maps of larger area
	2	Estimation limited to mapped study site area
	3	Estimate is a maximum where gradient was very shallow
	4	zero gradient assigned when study site was actually linear reservoir section

CoverArea.csv

GAGE	Gage number	USGS gage number without leading zeros
POLYNO	Polygon ID number	Polygon identification number
POLYAREA	km^2	Polyon area; same for all SPPCODE rows for a given POLYNO
SPPCODE	Character species code	Species code as defined in table 1; some codes are placeholders for excluded area or no species present
COVER	Percent (1-100)	Percent cover of SPPCODE species; values are 1–100; species with covers of less than 1 percent in any polygon may occur in Occupy file but not in cover file; Total cover can exceed a total of 100 summed over all species in polygon

SppList.csv

SPPCODE	Character species code	Species code as defined in table 1; some codes are placeholders for excluded area or no species present
TYPE	Classification of 1-5	
	1	Valid species

		2	Age class of single valid species
		3	Conflation of 2 or more valid species
		4	Species not on species list; OLW for Other Large Woody
		5	Other type: channel; bare ground; excluded ploygon; no species
	SCINAME	Character species name	Species name and authority; no italics; Some entries are placeholders not species
	NOTES	Character	Common name and notes if any