

File structure – County

Attribute	Type ¹	Description
id	N	Observation identifier
feedstock	C30	Feedstock
fileid	C10	File identifier
fips	C5	FIPS state/county code
indicator	C12	Indicator
scenario	C8	Scenario
srce	C10	Source on which indicator is based
units	C10	Measurement units
value	N	Measurement value
value_lcl	N	Measurement value, 90% lower confidence limit
value_ucl	N	Measurement value, 90% upper limit
year	N	Year

¹N: numeric, Cxx: character of length xx

File structure – Basin

Attribute	Type ¹	Description
id	N	Observation identifier
feedstock	C30	Feedstock
fileid	C10	File identifier
huc8	C8	HUC basin code
indicator	C12	Indicator
scenario	C8	Scenario
srce	C10	Source on which indicator is based
units	C10	Measurement units
value	N	Measurement value
value_lcl	N	Measurement value, 90% lower confidence limit
value_ucl	N	Measurement value, 90% upper limit

year	N	Year
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¹N: numeric, Cxx: character of length xx

File Formats and Observations

Dataset	Format	Observations
vol2chap04.csv	County	55,962
vol2chap05.csv	Basin	35,700
vol2chap06.csv	County	236,284
vol2chap07.csv	County	35,466
vol2chap08.csv	County	134,637
vol2chap09.csv	County	826,994
vol2chap10.csv	County	18,666
vol2chap13.csv	County	1,000,463
TOTAL		2,344,172

Chapter 5 code descriptions.

Code	Description
Scenarios	
BC1: practice	BT16 Volume 1 POLYSYS agricultural scenario BC1 and practice code where the practice code consists of fertilizer application (1:4), tiling (6:7), tillage (9:10), filter strip (12:13) and residue removal (15:17). Components of the practice code are defined below.
Practices	
fertilizer	000N: 0 kg-N/ha 020N: 20 kg-N/ha 030N: 30 kg-N/ha 056N: 56 kg-N/ha 060N: 60 kg-N/ha 066N: 66 kg-N/ha 070N: 70 kg-N/ha 076N: 76 kg-N/ha 085N: 85 kg-N/ha 100N: 100 kg-N/ha 101N: 101 kg-N/ha 105N: 105 kg-N/ha 110N: 110 kg-N/ha 120N: 120 kg-N/ha 135N: 135 kg-N/ha 168N: 168 kg-N/ha 202N: 202 kg-N/ha 235N: 235 kg-N/ha
tiling	1S: 0-1% slope 2S: 0-2% slope S: not specified
tillage	CT: conventional till NT: no till T: not specified
filter strip	NF: no filter strip YF: filter strip F: not specified
residue removal	00R: no residue removal 80R: 80% residue removal R: not specified
Indicators	
Area	Area
NO3	Nitrate discharge

Code	Description
Qnty	Quantity
TP	Total phosphorous discharge
TSS	Total suspended solids discharge
Feedstocks	
Biomass sorghum	Biomass sorghum
Coppice wood, willow	Coppice wood, willow
Corn stover	Corn stover
Miscanthus	Miscanthus
Noncoppice wood, poplar	Noncoppice wood, poplar
Sorghum stubble	Sorghum stubble
Switchgrass	Switchgrass
Sources	
Prod	Production
Units	
ha	hectares
kg	kilograms
Mt	metric tons

Sources	
County	County
Prod	Production
Units	
%	percent
degC	degrees Celcius
frac	fraction (0-1)
km2	square kilometers (km ²)
mm	millimeters