

# HUC 1104

## Upper Cimarron Sub-basin

The Upper Cimarron sub-basin (4-digit hydrologic unit 1104) is situated in the far northwest portion of the state. It originates in the northwestern portion of Cimarron County and continues along the northern third of the county until exiting at the northwest corner of Texas County. The sub-basin reenters Oklahoma in the upper reaches of Beaver County and terminates in the northwest section of Harper County. No major cities or County seats are located within the sub-basin. Minor cities of note include Kenton and Knowles.

The sub-basin is subdivided into four 8-digit hydrologic units (HUC) within the state. These HUC's are the Cimarron Headwaters (11040001), the Upper Cimarron (11040002), the Upper Cimarron-Liberal (11040006), and the Upper Cimarron-Bluff (11040008). The Cimarron River dominates the sub-basin. Near the headwaters of the Cimarron River, Lake Carl Etling is formed by South Carrizo Creek. There is only one water quality monitoring station in this sub-basin.

The sub-basin is dominated by two major ecoregions. The Southwestern Tablelands are prominent in the far west and appear in portions of Beaver County while the Western High Plains are foremost in the near west, central and eastern portions of the sub-basin. The Central Great Plains touches the sub-basin in the far eastern reaches of Harper County. The primary land usage in the sub-basin is rangeland with open grasslands to the west and east and sand sagebrush in portions of Beaver County. Irrigated croplands are scattered throughout the sub-basin. Other land uses of note include pastureland, woodlands, large farmsteads, and bare exposed rock.

STATION NAME	FWP	PBCR	PPWS	AG	AES
<a href="#">CIMARRON RIVER, OFF US 64, MOCANE</a>	NS(3)	NS (6, 8)	S	S	S
ASSIGNED OWQS BENEFICIAL USES					
FWP = FISH & WILDLIFE PROPAGATION			PBCR = PRIMARY BODY CONTACT RECREATION		
PPWS = PUBLIC AND PRIVATE WATER SUPPLY			AG = AGRICULTURE		
AES = AESTHETICS					
SUPPORT CODES					
S—FULLY SUPPORTING		NS—NOT SUPPORTING		T—THREATENED (NUTRIENTS)	
NT—NOT THREATENED (NUTRIENTS)		NEI—NOT ENOUGH INFORMATION		N/A—NOT APPLICABLE	
WATER QUALITY VARIABLES					
1—DISSOLVED OXYGEN		2—METALS (ACUTE)		3—METALS (CHRONIC)	
4—PH		5—TURBIDITY		6—FECAL COLIFORM	
7— <i>ESCHERICHIA COLI</i>		8— ENTEROCOCCI		9—METALS	
10— TOTAL DISSOLVED SOLIDS		11— CHLORIDES		12— SULFATES	
13— TOTAL PHOSPHORUS (TP)		14—TP OK SCENIC RIVER CRITERION		15— NITRITE + NITRATE	
16—BIOCRITERIA		17—SESTONIC CHLOROPHYLL-A (TSI)		18—SEDIMENTATION	