

**SPECIFIC STANDARDS: GULF COASTAL ECOREGION**  
(Plates GC-1, GC-2, GC-3, GC-4)

	Typical <u>Streams</u>	Spring Water <u>Streams</u>	Lakes and <u>Reservoirs</u>
Temperature* °C (°F)	30 (86)	30 (86)	32 (89.6)
Ouachita River			
(state line to Little Missouri River)	32 (89.6)		
Red River	32 (89.6)		
Turbidity (NTU)	21	21	25
Red River	50		
Minerals	see §2.511	see §2.511	
Dissolved Oxygen** (mg/l)	<u>Pri.</u> <u>Crit.</u>	<u>Pri.</u> <u>Crit.</u>	see §2.505
<10 mi <sup>2</sup> watershed	5 2		
10 mi <sup>2</sup> - 500 mi <sup>2</sup>	5 3		
>500 mi <sup>2</sup> watershed	5 5		
All sizes		6 5	
All other standards	(same as statewide)		

**Variations Supported by UAA**

Louise Creek - from headwaters to railroad bridge, critical season D.O. standard - 3 mg/l; primary season - 5 mg/l; from railroad bridge to mouth, critical season D.O. - 2 mg/l (GC-2, #1)  
 Unnamed tributary to Smackover Creek - headwaters to Smackover Creek, year round D.O. criteria - 2 mg/l (GC-2, #2)  
 Unnamed tributary to Flat Creek - from headwaters to Flat Creek, year round D.O. criteria - 2 mg/l (GC-2, #4)  
 Dodson Creek - from headwaters to confluence with Saline River, critical season D.O. standard - 3 mg/l (GC-4, #5)  
 Jug Creek - from headwaters to confluence with Moro Creek, critical season D.O. standard - 3 mg/l (GC-2, #6)  
 Lick Creek - from headwaters to Millwood Reservoir, critical season D.O. standard - 2 mg/l (GC-1, #7)  
 Coffee Creek and Mossy Lake - exempt from §2.406 and Chapter Five (GC-3, #8)  
 Red River from Oklahoma to confluence with Little River - total dissolved solids - 850 mg/l (GC-1, #9)  
 Bluff Creek and unnamed trib. - sulfates 651 mg/l; total dissolved solids 1033 mg/l (GC-1, #10)  
 Muddy Fork Little Missouri River - sulfates 250 mg/l; total dissolved solids 500 mg/l (GC-1, #24)  
 Little Missouri River - sulfates 90 mg/l; total dissolved solids 180 mg/l (GC-1, #25)  
 Mine Creek from Highway 27 to Millwood Lake - chlorides - 90 mg/l; sulfates - 65 mg/l; TDS - 700 mg/l (GC-1, #11)  
 Caney Creek - chlorides 113 mg/l; sulfates 283 mg/l; total dissolved solids 420 mg/l (GC-1, #12)  
 Bois d'Arc Creek from Caney Creek to Red River - chlorides 113 mg/l; sulfates 283 mg/l; dissolved solids 420 mg/l (GC-1, #13)  
 Town Creek below Acme tributary - sulfates 200 mg/l; TDS 700 mg/l (GC-4, #14)  
 Unnamed trib. from Acme - sulfates 330 mg/l; TDS 830 mg/l (GC-4, #14)  
 Gum Creek - chlorides 104 mg/L; TDS 311 mg/L (GC-2, #15)  
 Bayou de Loure from Gum Creek to State line - Chlorides 250 mg/l; TDS solids 750 mg/l (GC-2, #16)  
 Walker Branch - chlorides 180 mg/l; total dissolved solids 970 mg/l (GC-2, #17)  
 Ouachita River - from Ouachita River mile (ORM) 223 to the Arkansas-Louisiana border (ORM 221.1), site specific seasonal D.O. criteria: 3 mg/L June and July; 4.5 mg/L August; 5 mg/L September through May. These seasonal criteria may be unattainable during or following naturally occurring high flows, (i.e., river stage above 65 feet measured at the lower gauge at the Felsenthal Lock and Dam, Station No. 89-0, and also for the two weeks following the recession of flood waters below 65 feet), which occurs from May through August. Naturally occurring conditions which fail to meet criteria should not be interpreted as violations of these criteria (GC-3, #26)  
 Alcoa unnamed trib. to Hurricane Cr. and Hurricane Cr. - see Sec 2.511 (CG-4, #19)  
 Holly Creek - See Sec. 2.511 (CG-4, #20)  
 Saline River bifurcation - see Sec. 2.511 (GC-4, #23)  
 Dry Lost Creek and tributaries - see Sec. 2.511 (GC-4, #21)  
 Lost Creek - see Sec. 2.511 (GC-4, #22)  
 Albemarle unnamed trib (AUT) to Horsehead Creek - chlorides 137 mg/l; TDS 383 mg/l (GC-2, #27)  
 Horsehead Creek from AUT to mouth - chlorides 85 mg/l; TDS 260 mg/l (GC-2, #27)  
 Bayou Dorcheat - sulfates 16 mg/l (GC-2, #27)  
 Bayou de Loure from GLCC Central to Loure Creek - Temperature Criterion 96°F (GC-2, #28)

\* Increase over natural temperatures may not be more than 2.8°C (5°F).

\*\* At water temperatures  $\geq 10^{\circ}\text{C}$  or during March, April and May when stream flows are 15 CFS and greater, the primary season D.O. standard will be 6.5 mg/l. When water temperatures exceed 22°C, the critical season D.O. standard may be depressed by 1 mg/l for no more than 8 hours during a 24-hour period.

# Plate GC-2 (Gulf Coastal Plain)

