

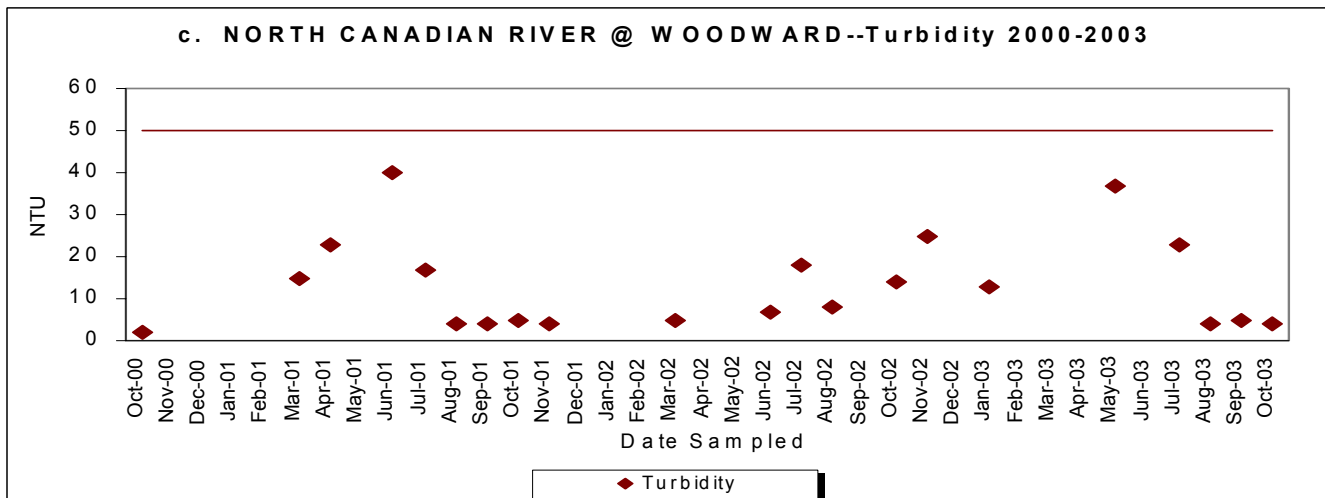
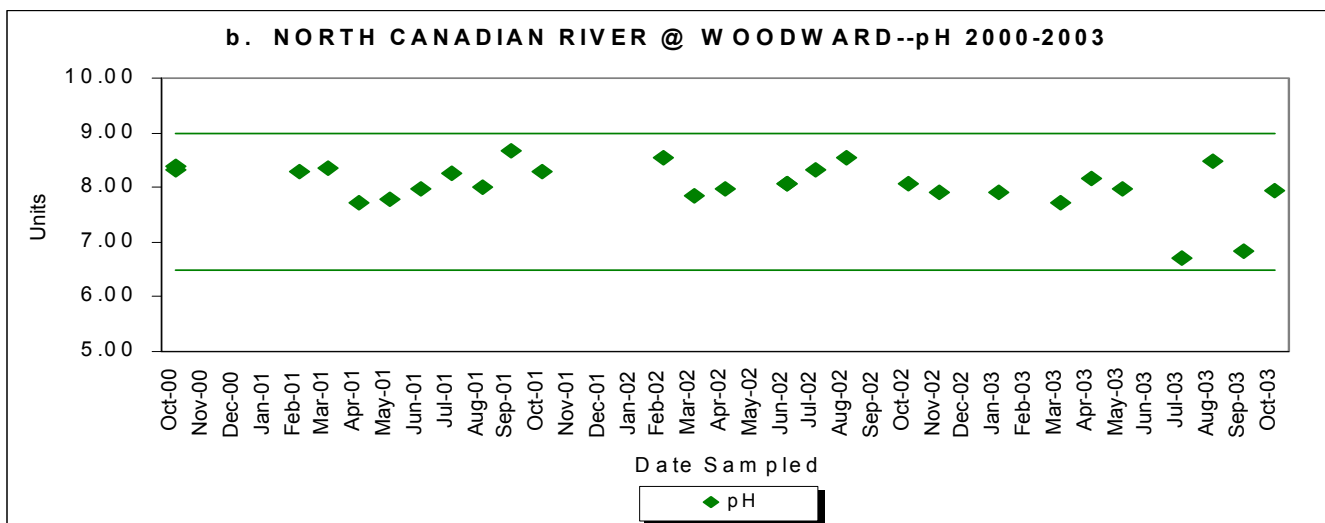
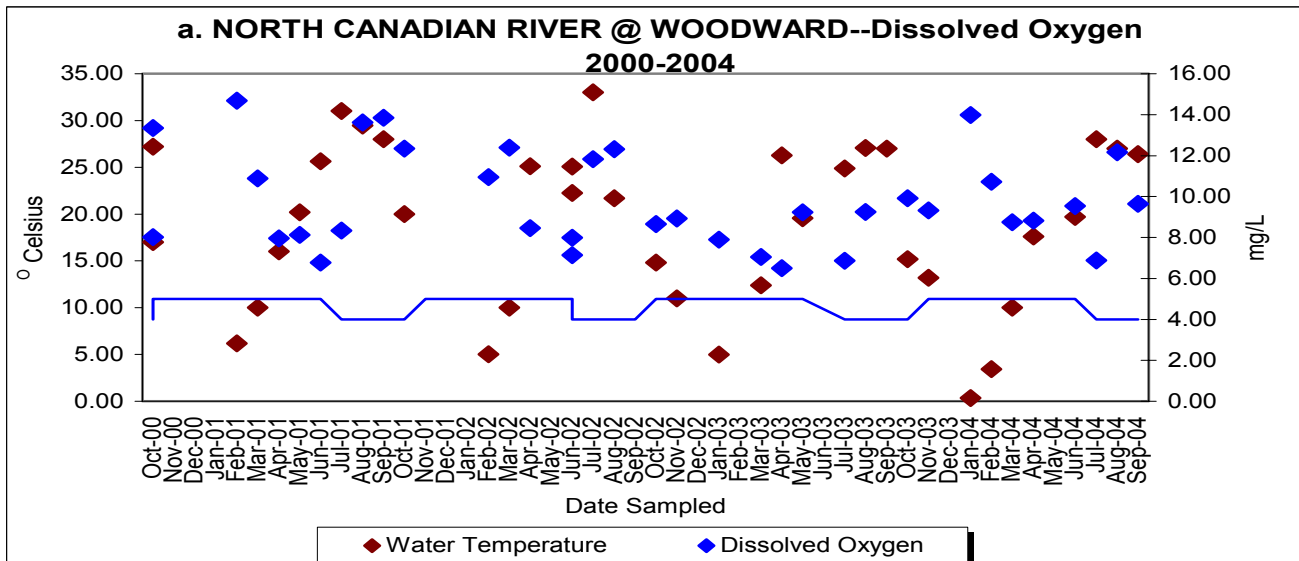
North Canadian River near Woodward

Station AT237500 (720500010140-001AT) is a permanent ambient trend monitoring station located on the North Canadian River in Oklahoma. Situated in the center portion of Woodward County, the site was established east of the city of Woodward on US Highway 412. The station is positioned near the terminal end of stream segment 720500010140 and is classified within the Middle North Canadian River 8-digit HUC watershed (11100301). Water enters the stream system from Clear Creek and Otter Creek, among others.

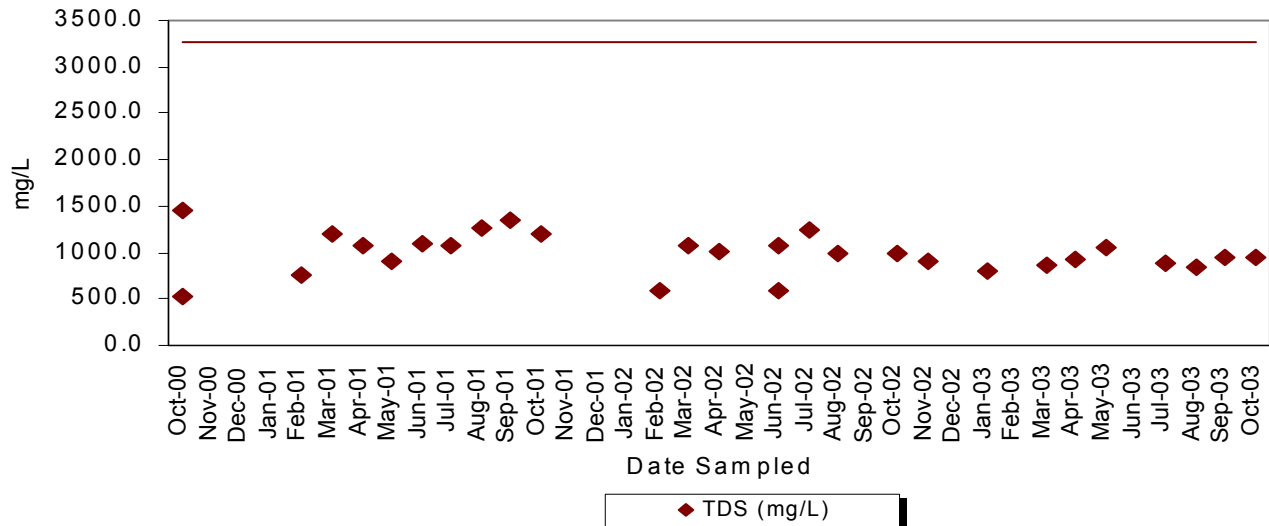
This station on the North Canadian River has been active for all water quality variables since October of 2000. The following assessment of beneficial uses is based on data collected from October of 2000 through September of 2004. For purposes of reporting, this station is representative of the Beaver River from the confluence of Wolf Creek (99.5019, 36.5886) downstream to the confluence of an unnamed tributary near Mutual, Oklahoma (99.0817, 36.2638). As per Oklahoma Water Quality Standards, Appendix A, Table 7 of Oklahoma Administrative Code (OAC) 785:45, this water quality management segment is assigned the following designated beneficial uses: 1) Warm Water Aquatic Community—Fish and Wildlife Propagation (WWAC), 2) Agriculture—Class III Irrigation (AG), and 3) Primary Body Contact—Recreation (PBCR).

The WWAC beneficial use is supported. Dissolved oxygen (Figure 55a), pH (Figure 55b), turbidity (Figure 55c), and toxicant data met the criteria prescribed in the WWAC beneficial use. The AG beneficial use is supported for total dissolved solids, chlorides, and sulfates (Figure 55d and Figure 55e). The PBCR beneficial use is not supported (Table 23). Of the seventeen (17) enterococci concentrations, six (6) samples exceeded the prescribed screening level of 406 cfu/mL, and the geometric mean (377.0 cfu/mL) exceeded the prescribed mean standard of 33 cfu/mL. This segment of the North Canadian River is not nutrient-threatened. The total phosphorus and nitrate/nitrite median values were below the threshold medians of 1.0 mg/L and 4.65 mg/L, respectively (Figure 55f).

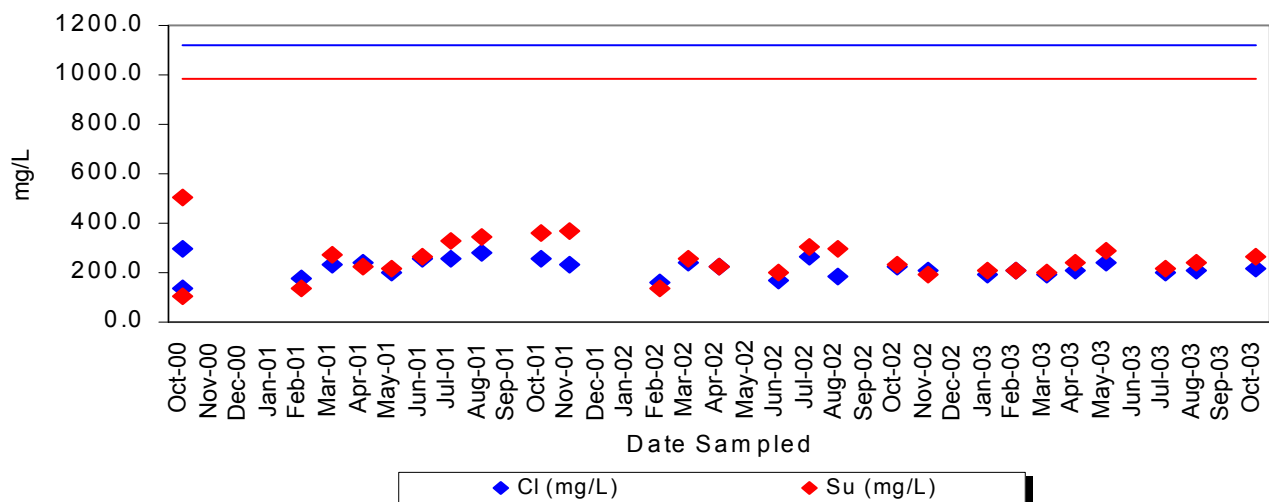
Figure 55a-f. Dissolved Oxygen (a), pH (b), Turbidity (c), Total Dissolved Solids (d), Minerals (e), and Nutrients (f) on the North Canadian River at Woodward (AT237500), 2000-2004.



d. NORTH CANADIAN RIVER @ WOODWARD--TDS 2000-2003



e. NORTH CANADIAN RIVER @ WOODWARD--Minerals 2000-2003



f. NORTH CANADIAN RIVER @ WOODWARD--Nutrients 2000-2003

