

Water-Data Report 2006

**07185190 NEOSHO RIVER NEAR WYANDOTTE, OK.**

Neosho Basin  
Lake O' Cherokees Subbasin

LOCATION.--Lat 36°47'52", long 94°45'15" referenced to North American Datum of 1927, in sec.30, T.27 N., R.24 E., Ottawa County, OK, Hydrologic Unit 11070206.

DRAINAGE AREA.--6130 mi<sup>2</sup>

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Discharge measurements only: 1986, 2004 to current year.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
May 1, 2006	16,600

## 07185190 NEOSHO RIVER NEAR WYANDOTTE, OK.—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to September 1982, January 2004 to May 2006 (discontinued). Prior to January 2004, this site was named Neosho River below Spring near Twin Bridges (site number 364752094451501).

REMARKS.--Samples were collected by the U.S. Geological Survey. Water and bed sediment samples were analyzed by the Oklahoma Department of Environmental Quality. Suspended sediment samples were analyzed by the U.S. Geological Survey. Specific conductance, pH, water temperature, and dissolved oxygen, were determined in the field.

COOPERATION.--Sampling beginning in 2004 is in cooperation with the Seneca-Cayuga Tribe of Oklahoma and the Oklahoma Department of Environmental Quality.

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Time	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, wat unfltrd lab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, unfltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00918)
May 01...	1340	84017	16,600	350	741	7.2	7.4	313	25.7	16.0	130	38.0	47

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Magnesium, water, unfltrd, mg/L (00925)	Magnesium, water, recover-able, mg/L (00927)	Potassium, water, unfltrd, mg/L (00935)	Potassium, water, recover-able, mg/L (00937)	Sodium, water, unfltrd, mg/L (00930)	Sodium, water, recover-able, mg/L (00929)	Calcium bed sediment recover-able, mg/kg (00917)	Magnesium bed sediment recover-able, mg/kg (00924)	Sodium bed sediment recover-able, mg/kg (00934)	ANC, wat unfltrd methyl orange end pt, mg/L as CaCO3 (00411)	Chloride, water, unfltrd, mg/L (99220)	Sulfate water unfltrd, mg/L (00946)	Residue on evap. at 180degC wat flt, mg/L (70300)
May 01...	8.00	13.0	5.00	9.0	10.0	11.0	4,900	3,600	<1,000	91	13	49.5	200

## 07185190 NEOSHO RIVER NEAR WYANDOTTE, OK.—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 3 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Residue total at 105 deg. C, suspended, mg/L (00530)	Nitrate water, fltrd, mg/L as N (00618)	COD, high level, water, unfltrd mg/L (00340)	Alum-inum, water, fltrd, ug/L (01106)	Alum-inum, unfltrd recover-able, ug/L (01105)	Anti-mony, water, fltrd, ug/L (01095)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water, fltrd, ug/L (01000)	Arsenic water, unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Beryllium, water, unfltrd recover-able, ug/L (01012)
May 01...	947	.68	58	<300	28,400	<10	<10	<10.0	<10	75.0	300	<2	<2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 4 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, fltrd, ug/L (01030)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, fltrd, ug/L (01056)
May 01...	<5	<5	<5	29	<5	10	<5	20	25,300	<20	<10	M	<5

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 5 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Molyb-denum, water, fltrd, ug/L (01060)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, fltrd, ug/L (01145)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Alum-inum, bed sedimnt recover-able, ug/g (01108)	Arsenic bed sedimnt total, ug/g (01003)
May 01...	940	<5	<5	<10	M	<10	<10	<5	<5.00	<5	130	28,000	13

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 6 of 6

[Remark codes: &lt;, less than; M, presence verified but not quantified.]

Date	Barium,	Cadmium	Chrom-	Copper,	Iron,	Lead,	Mangan-	Nickel,	Zinc,	Suspnd.	Sus-	Sus-
	bed	bed	ium,	bed	bed	bed	ese,	bed	bed	sedi-	pended	pended
	sedimnt	sedimnt	bed	sedimnt	bed	sedimnt	bed	sedimnt	sedimnt	ment,	sed-	sed-
	recover	recover	recover	recover	sedimnt	recover	recover	recover	recover	sieve	ment	ment
	-able,	-able,	-able,	-able,	total,	-able,	-able,	-able,	-able,	diametr	concen-	dis-
	ug/g	percent	tration	charge,								
	(01008)	(01028)	(01029)	(01043)	(01170)	(01052)	(01053)	(01068)	(01093)	<.063mm	mg/L	tons/d
										(70331)	(80154)	(80155)
<b>May</b>												
<b>01...</b>	170	<1.0	30	12	21,000	11	710	17	200	97	1,100	49,100