



Water-Data Report 2007

07343850 White Oak Creek near Omaha, TX

Big Cypress-Sulphur Basin
White Oak Bayou Subbasin

LOCATION.--Lat 33°16'30", long 94°44'30" referenced to North American Datum of 1927, Morris County, TX, Hydrologic Unit 11140303, Site is south of I-30 on State Highway 259 approximately 1.5 miles.

DRAINAGE AREA.--773 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

CHEMICAL DATA: Oct. 1968 to Sept. 1977, Oct. 1991 to Sept. 1998, Oct. 2004 to Sept. 2007 (discontinued).

BIOCHEMICAL DATA: Oct. 1968 to Sept. 1977, Oct. 1991 to Sept. 1998, Oct. 2004 to Sept. 2007 (discontinued).

WATER-QUALITY DATA

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unf lab, µS/cm 25 degC (90095)	Specific conductance, wat unf lab, µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
Feb													
21...	1325	31	43	753	9.0	83	7.1	8.0	317	327	23.0	11.1	77
May													
17...	1045	48	44	763	4.9	56	6.9	7.2	257	256	22.0	22.0	62
Aug													
21...	1445	15	40	755	3.5	45	7.0	7.5	322	330	34.0	28.0	82
Sep													
12...	1145	109	61*	759	5.0	60	7.0	7.6	436	440	26.0	24.7	81

07343850 White Oak Creek near Omaha, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion Sodium ratio (00931)	Sodium frac- tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
Feb 21...	47	18.5	7.57	6.32	1.3	40	26.7	31	37	<1	26.9	.12	10.9
May 17...	17	15.0	5.91	6.15	1.1	39	20.4	45	55	<1	19.4	.14	11.2
Aug 21...	14	19.8	7.97	7.98	1.2	38	25.6	69	84	<1	25.6	.18	14.3
Sep 12...	19	19.6	7.75	9.75	2.4	53	48.6	62	76	<1	45.5	.26	7.84

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
Feb 21...	65.9	183	17	.85	.10	.076	.40	.41	.014	.77	1.3	.134	.044
May 17...	36.0	144	<100d	1.2	.08	.061	.36	.38	.014	1.1	1.6	.239	.078
Aug 21...	38.9	184	42d	1.1	.07	.058	.37	.38	.011	1.0	1.5	.189	.062
Sep 12...	61.1	242	94d	1.1*	.08	.061*	.84	.86*	.020*	1.0	1.9	.176	.057*

07343850 White Oak Creek near Omaha, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Alum- inum, water, fltrd, µg/L (01106)	Anti- mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)
Feb 21...	.061	.27	10.4	<2.0	9.6	.10	.67	53	<.06	.04	.18	.76	2.7
May 17...	.107	.32	19.5	2.2	13.9	.14	1.3	48	E.03n	.05	2.0	1.2	6.0
Aug 21...	.070	.27	14.9	1.3	9.2	.10	1.2	70	<.06	<.04	E.09n	.82	2.5
Sep 12...	.067*	.23*	13.4*	1.3	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Lead, water, fltrd, µg/L (01049)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, fltrd, µg/L (71890)	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Zinc, water, fltrd, µg/L (01090)	Uranium natural water, fltrd, µg/L (22703)
Feb 21...	.19	157	E.007n	.3	4.5	.22	<.1	7.5	.06
May 17...	.60	433	.018	.6	5.4	.29	<.1	8.6	.11
Aug 21...	.15	591	E.007n	.8	3.4	.35	<.1	1.8	.12
Sep 12...	--	--	--	--	--	--	--	--	--