



Water-Data Report 2008

**M90-30R**

Alluvial aquifers  
Sand and Gravel Deposits, Undifferentiated

LOCATION.-- Sarpy County, NE, Hydrologic Unit 10200202.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 46 ft. Upper casing diameter 4 in; top of first opening 11 ft, bottom of last opening 46 ft.

DATUM.--Land-surface datum is 1056 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3.80 ft above land-surface datum.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 7

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

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level below LSD, meters (30210)	Depth to water level, feet below LSD (72019)	Altitude of land surface, feet (72000)	Flow rate, instantaneous gal/min (00059)	Pump or flow period to sampling, minutes (72004)	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, unfltrd mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
Nov 16...	1140	46.00	1.06	3.49	1,056.	8.0	32	.1	729	4.8	M	.0	7.8

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 7

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Date	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, µS/cm 25 degC (90095)	Specif. 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)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium fraction of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfixed end pt, lab, mg/L as CaCO3 (90410)
Nov 16...	7.9	356	343	11.6	11.2	120	29.0	11.3	7.37	1.0	30	24.8	141

## M90-30R—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 7

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Date	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Hydro- gen ion, water, unfltrd calcd, mg/L (00191)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)
	Nov 16...	15.9	.32	13.8	22.4	211	.29	.00002	3.6	124	<.01	61	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 7

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

Date	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Lithium water, fltrd, µg/L (01130)	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)	Stront- ium, water, fltrd, µg/L (01080)	Vanad- ium, water, fltrd, µg/L (01085)
	Nov 16...	.06	<1.0	277	<.08	9.8	607	<.010	1.5	.72	.16	<.1	235

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 7

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

Date	Zinc, water, fltrd, µg/L (01090)	CIAT, water, fltrd, µg/L (04040)	CEAT, water, fltrd, µg/L (04038)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- HCH-d6 surrog, Sch1379 wat flt percent recovry (90505)	Ametryn water, fltrd, µg/L (38401)	Atra- zine, water, fltrd, µg/L (39632)	Broma- cil, water, fltrd, µg/L (04029)	Buta- chlor, water, fltrd, µg/L (04026)	Butyl- ate, water, fltrd, µg/L (04028)	Car- boxin, water, fltrd, µg/L (04027)	Cyana- zine, water, fltrd, µg/L (04041)
	Nov 16...	<1.8	.06	<.05	<.05	<.05	95.7	<.05	.31	<.05	<.05	<.05	<.05

**M90-30R—Continued****WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 6 of 7

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Date	Cyclo- ate, water, fltrd, µg/L (04031)	Diazi- non-d10 sur Sch wat flt pct rcv (90670)	Diphen- amid, water, fltrd, µg/L (04033)	Hexa- zinone, water, fltrd, µg/L (04025)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Prome- ton, water, fltrd, µg/L (04037)	Prome- tryn, water, fltrd, µg/L (04036)	Propa- chlor, water, fltrd, µg/L (04024)	Propa- zine, water, fltrd, µg/L (38535)	Sima- zine, water, fltrd, µg/L (04035)	Sima- tryn, water, fltrd, µg/L (04030)	Terba- cil, water, fltrd, µg/L (04032)
<b>Nov</b> <b>16...</b>	<.05	126	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007  
TO SEPTEMBER 2008**

Part 7 of 7

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Date	Tri- flur- alin, water, fltrd, µg/L (04023)	Vernol- ate, water, fltrd, µg/L (04034)
<b>Nov</b> <b>16...</b>	<.05	<.05