

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-24-08

Date	Time	Depth of well, feet below LSD (72008)	Elev- level, feet below LSD (72019)	Temper- ature, water, deg C	Specif- ic conduc- tance, wat unf uS/cm	pH, water, unfltrd field, std units	Redox poten- tial, oxygen, mg/L	Turbdty white light, det ang 90+/-30 mV	Alka- linity, Hard- ness, water, lab, mg/L as CaCO3	Bicar- bonate, wat flt inf tit lab, titr., mg/L as CaCO3	(29806)
		(72020)	(00010)	(00095)	(00400)	(00300)	(63002)	(63676)	(00900)	(39087)	
380336097363701 23S 03W 12CCBC01 RR1-MN (LAT 38 03 35N LONG 097 36 36W)											
AUG 2008											
25...	1010	125.39	41.07	--	15.6	266	6.6	.2	180	2.1	--
25...	1011	125.39	--	--	--	--	--	--	--	92	120
25...	1015	125.39	41.07	--	15.6	266	6.6	.2	180	2.1	--
380328097364602 23S 03W 14AABA02 RR1-MW DEEP (LAT 38 03 28N LONG 097 36 46W)											
AUG 2008											
11...	1230	91.51	39.70	--	15.9	289	6.8	.1	230	.7	--
11...	1231	91.51	--	--	--	--	--	--	--	110	139
380328097362802 23S 03W 12CCCD02 RR1-ME DEEP (LAT 38 03 28N LONG 097 36 28W)											
AUG 2008											
11...	1040	129.11	42.94	--	15.8	330	6.8	.1	220	.8	--
11...	1041	129.11	--	--	--	--	--	--	--	130	121
11...	1042	129.11	--	--	--	--	--	--	--	--	--
380323097363801 23S 03W 14AAAA01 RR1-MS (LAT 38 03 23N LONG 097 36 38W)											
AUG 2008											
12...	1220	101.76	37.82	--	16.2	287	6.7	.2	180	.1	--
12...	1221	101.76	--	--	--	--	--	--	--	110	142
12...	1225	101.76	37.82	--	16.2	287	6.7	.2	180	.1	--
380329097363701 23S 03W 12CCCC01 IW-02A SHALLOW (LAT 38 03 29N LONG 097 36 37W)											
AUG 2008											
12...	1040	26.95	8.44	1440.94	16.9	223	5.7	1.7	420	.9	--
12...	1041	26.95	--	--	--	--	--	--	--	67	44
380329097363702 23S 03W 12CCCC02 IW-02C DEEP (LAT 38 03 29N LONG 097 36 37W)											
AUG 2008											
12...	0930	97.10	40.69	1408.81	16.1	351	7.0	.3	170	.4	--
12...	0931	97.10	--	--	--	--	--	--	--	130	165
380241097363801 23S 03W 14DDDA01 RR2-MN (LAT 38 02 40N LONG 097 36 38W)											
AUG 2008											
11...	1050	269.53	42.53	--	16.6	399	7.2	.1	120	.8	--
11...	1051	269.53	--	--	--	--	--	--	--	150	167
11...	1055	269.53	42.53	--	16.6	399	7.2	.1	120	.8	--

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Carbon-
ate,
wat flt Potas- Magnes- Chlor- Fluor- Silica, Ammonia Nitrite nitrite Phos-
infl pt Calcium Sodium, sum, ium, ide, Sulfate ide, water, water, water, water, water, water, water, water, phorus,
titr., water, water, water, water, water, water, water, fltrd, fltrd, fltrd, fltrd, fltrd, fltrd, fltrd, water,
lab, fltrd, fltrd, fltrd, fltrd, fltrd, fltrd, mg/L as SiO₂ as N as N as P
mg/L mg/L mg/L mg/L mg/L mg/L mg/L as N as N as P
(29809) (00915) (00930) (00935) (00925) (00940) (00945) (00950) (00955) (00608) (00613) (00631) (00666)

380336097363701 23S 03W 12CCBC01 RR1-MN (LAT 38 03 35N LONG 097 36 36W)

AUG 2008
 25... -- -- 30.0 22.9 -- -- 4.18 <5.0 6.7 .3 25.9 .130 <.01 <.020 .270
 25... .0 -- -- -- -- -- -- -- -- -- -- -- -- --
 25... -- -- -- -- -- -- -- -- -- -- -- -- -- --

380328097364602 23S 03W 14AABA02 RR1-MW DEEP (LAT 38 03 28N LONG 097 36 46W)

AUG 2008
 11...
 11... .0 37.1 23.2 -- 2 4.16 <5.0 -- 6.4 -- .3 -- 22.9 -- -- <.01 <.020 .130

380328097362802 23S 03W 12CCCCD02 RR1-ME DEEP (LAT 38 03 28N LONG 097 36 28W)

380323097363801 23S 03W 14AAAA01 RR1-MS (LAT 38 03 23N LONG 097 36 38W)

AUG 2008
 12...
 12...
 12...

80329097363701 23S 03W 12CCCC01 TW-02A SHALLOW (LAT 38 03 29N LONG 097 36 37W)

AUG 2008
 12...
 12... .0 19.9 19.4 -- 3 4.16 13 -- 29 -- .1 29.5 -- -- <.01 3.64 .090

380329097363702 23S 03W 12CCCC02 IW-02C DEEP (LAT 38 03 29N LONG 097 36 37W)

AUG 2008
 12...
 12... .0 42.8 30.4 -- 4.78 6.0 12-- .4 19.0 .060 <.01 <.020 .160

380241097363801 23S 03W 14DDDA01 RR2-MN (LAT 38 02 40N LONG 097 36 38W)

AUG 2008
 11...
 11...
 11...

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	Ortho-phosphate, water, fltrd, mg/L (00671)	Arsenic water, fltrd, as P (01000)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Residue total filter- able,	Residue on evap. wat filt	Residue on evap. wat unf	Tria-zine screen, wat ELISA, atrazin	Fecal coliform, form, M-FC immed, col/ LesEndo	Total coliform, LesEndo
Date	(00530)	(70300)	(00500)	(34756)	(31625)	(31504)				

380336097363701 23S 03W 12CCBC01 RR1-MN (LAT 38 03 35N LONG 097 36 36W)

AUG 2008
 25... -- -- -- -- <4 -- 165 180 -- <1 --
 25... .21 4 360 440 -- -- -- -- -- <1 --
 25... -- -- -- -- -- -- -- -- -- --

380328097364602 23S 03W 14AABA02 RR1-MW DEEP (LAT 38 03 28N LONG 097 36 46W)

AUG 2008 11... -- -- -- -- -- -- -- <.10 -- --
 11... .08 <1 350 92.0 <4 175 -- -- <1 2

380328097362802 23S 03W 12CCCCD02 RR1-ME DEEP (LAT 38 03 28N LONG 097 36 28W)

AUG 2008	--	--	--	--	--	--	--	<.10	--	--
11...	--	--	5	890	344	<4	212	--	<1	<1
11...	.04									
11...	--	--	--	--	--	--	--	<.10	--	--

380323097363801 23S 03W 14AAAAA01 RR1-MS (LAT 38 03 23N LONG 097 36 38W)

380329097363701 23S 03W 12CCCC01 IW-02A SHALLOW (LAT 38 03 29N LONG 097 36 37W)

AUG 2008
 12... -- -- -- <100 <5.0 <4 -- 160 170 <.10 -- <1 --
 12... .09 <1 <100 <5.0 <4 -- 160 170 <.10 -- <1 --

380329097363702 23S 03W 12CCCC02 IW-02C DEEP (LAT 38 03 29N LONG 097 36 37W)

AUG 2008
 $\frac{12}{12} \dots$.06 <1 770 161 <4 194 216 < $\frac{10}{--}$ <1 <1
 2008-11-07T23:00:01 -03G -03W 14DEE161 -002.151 (-157.38, -23.40N, LONG. 007.36, 2008)

11... -- -- -- <100 259 <4 226 250 -- <.10 -- --
 11... .22 4 -- -- -- -- -- -- <1 <1
 11... -- -- -- -- -- -- -- -- -- --

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Date	Time	Depth to water well, feet below LSD (72008)	Depth of water level, feet below LSD (72019)	Temper- ature, water, deg C (00010)	Conduc- tance, wat unf uS/cm (00095)	pH, unfltrd 25 degC (00400)	water, unfltrd std units (00300)	Diss- olved oxygen, mg/L (00300)	Redox poten- tial rel to SHE, mV (63002)	Turbidity white light, det ang 90+/-30 NTRU (63676)	Alka- linity, wat flt Hard- ness, inf tit water, lab, mg/L as CaCO3 (00900)	Bicar- bonate, wat flt infl pt titr., lab, mg/L (29806)	Carbon- ate, wat flt infl pt titr., lab, mg/L (29809)
380236097364802 23S 03W 23AABB02 RR2-MW DEEP (LAT 38 02 35N LONG 097 36 47W)													
AUG 2008													
12...	1020	260.03	35.97	16.7	399	7.2	.1	130	.2	--	--	--	--
12...	1021	260.03	--	--	--	--	--	--	--	150	178	220	.0
380236097363102 23S 03W 24BBAB02 RR2-ME DEEP (LAT 38 02 35N LONG 097 36 31W)													
AUG 2008													
11...	1315	258.97	37.72	16.8	379	7.2	.1	150	1.2	--	--	--	--
11...	1316	258.97	--	--	--	--	--	--	--	130	169	210	.0
11...	1320	258.97	37.72	16.8	379	7.2	.1	150	1.2	--	--	--	--
11...	1321	258.97	--	--	--	--	--	--	--	130	174	210	.0
380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)													
AUG 2008													
12...	1210	248.84	34.52	16.8	385	7.2	.1	120	.5	--	--	--	--
12...	1211	248.84	--	--	--	--	--	--	--	130	178	220	.0
12...	1215	248.84	34.52	16.8	385	7.2	.1	120	.5	--	--	--	--
380151097363801 23S 03W 23DDDA01 RR3-MN-2 (LAT 38 01 51N LONG 097 36 37W)													
AUG 2008													
13...	1030	249.89	29.57	16.6	362	7.2	.1	150	.1	--	--	--	--
13...	1031	249.89	--	--	--	--	--	--	--	130	172	210	.0
380148097363801 23S 03W 23DDDD01 RR3-MN-1 (LAT 38 01 48N LONG 097 36 37W)													
AUG 2008													
13...	1200	250.09	30.00	16.6	395	7.2	.1	180	.1	--	--	--	--
13...	1201	250.09	--	--	--	--	--	--	--	150	178	220	.0
13...	1205	250.09	30.00	16.6	395	7.2	.1	180	.1	--	--	--	--
380144097364002 23S 03W 23DDDD02 RR3-MW-1 (LAT 38 01 44N LONG 097 36 39W)													
AUG 2008													
20...	1005	254.13	30.98	16.8	380	7.3	.1	140	.2	--	--	--	--
20...	1006	254.13	--	--	--	--	--	--	--	130	178	220	.0
380144097364404 23S 03W 23DDDD04 RR3-MW-2 DEEP (LAT 38 01 44N LONG 097 36 44W)													
AUG 2008													
20...	1130	218.95	30.76	16.8	360	7.2	.1	110	.8	--	--	--	--
20...	1131	218.95	--	--	--	--	--	--	--	130	174	210	.0

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Date	Calcium water, fltrd, mg/L (00915)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Magnes- ium, water, fltrd, mg/L (00925)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L as P (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
380236097364802 23S 03W 23AABB02 RR2-MW DEEP (LAT 38 02 35N LONG 097 36 47W)													
AUG 2008													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	49.8	31.9	2	6.38	6.5	22	.4	25.6	--	<.01	<.020	.260	.23
380236097363102 23S 03W 24BBAB02 RR2-ME DEEP (LAT 38 02 35N LONG 097 36 31W)													
AUG 2008													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	42.7	35.1	2	5.27	6.3	14	.4	22.4	--	<.01	<.020	.170	.17
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	43.2	35.4	2	5.40	6.3	14	.4	22.9	--	<.01	<.020	.190	.17
380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)													
AUG 2008													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	43.4	35.7	2	6.07	5.9	16	.4	22.4	.180	<.01	<.020	.240	.24
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
380151097363801 23S 03W 23DDDA01 RR3-MN-2 (LAT 38 01 51N LONG 097 36 37W)													
AUG 2008													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	43.7	30.5	2	5.76	5.8	10	.4	19.9	--	<.01	<.020	.230	.20
380148097363801 23S 03W 23DDDD01 RR3-MN-1 (LAT 38 01 48N LONG 097 36 37W)													
AUG 2008													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	47.9	32.7	2	6.70	10	13	.4	20.5	.140	<.01	<.020	.150	.14
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
380144097364002 23S 03W 23DDDD02 RR3-MW-1 (LAT 38 01 44N LONG 097 36 39W)													
AUG 2008													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	43.6	32.7	2	6.26	5.9	11	.4	19.5	--	<.01	<.020	.160	.16
380144097364404 23S 03W 23DDDD04 RR3-MW-2 DEEP (LAT 38 01 44N LONG 097 36 44W)													
AUG 2008													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	42.0	32.9	2	6.52	5.4	10	.4	19.6	--	<.01	<.020	.160	.14

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Date	Arsenic water, ug/L (01000)	Iron, water, ug/L (01046)	Mangan- ese, water, ug/L (01056)	non- filterd, ug/L (00530)	Residue total	Residue on evap.	Residue on evap.	Tria- zine screen, at wat flt	Fecal coli- form, M-FC	Total coli- form, LesEndo
					180degC	105degC	ELISA,	0.7u MF	immed,	
					wat flt	wat unf	ug/L as	col/	col/	
					mg/L	mg/L	atrazin	100 mL	100 mL	
					(70300)	(00500)	(34756)	(31625)	(31504)	

380236097364802 23S 03W 23AABB02 RR2-MW DEEP (LAT 38 02 35N LONG 097 36 47W)

AUG 2008

12...	--	--	--	--	--	--	<.10	--	--	--
12...	3	<100	228	<4	240	250		<1	<1	<1

380236097363102 23S 03W 24BBAB02 RR2-ME DEEP (LAT 38 02 35N LONG 097 36 31W)

AUG 2008

11...	--	--	--	--	--	--	<.10	--	--	--
11...	3	<100	279	<4	221	--	--	<1	<1	<1
11...	--	--	--	--	--	--	<.10	--	--	--
11...	4	<100	283	<4	219	--	--	<1	<1	<1

380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)

AUG 2008

12...	--	--	--	--	--	--	<.10	--	--	--
12...	5	<100	304	<4	235	238	--	<1	<1	<1
12...	--	--	--	--	--	--	--	--	--	--

380151097363801 23S 03W 23DDDA01 RR3-MN-2 (LAT 38 01 51N LONG 097 36 37W)

AUG 2008

13...	--	--	--	--	--	--	<.10	--	--	--
13...	6	<100	264	<4	215	214	--	<1	<1	<1

380148097363801 23S 03W 23DDDD01 RR3-MN-1 (LAT 38 01 48N LONG 097 36 37W)

AUG 2008

13...	--	--	--	--	--	--	<.10	--	--	--
13...	6	<100	272	<4	218	240	--	<1	<1	<1
13...	--	--	--	--	--	--	--	--	--	--

380144097364002 23S 03W 23DDDD02 RR3-MW-1 (LAT 38 01 44N LONG 097 36 39W)

AUG 2008

20...	--	--	--	--	--	--	<.10	--	--	--
20...	5	<100	312	<4	218	--	--	<1	<1	<1

380144097364404 23S 03W 23DDDD04 RR3-MW-2 DEEP (LAT 38 01 44N LONG 097 36 44W)

AUG 2008

20...	--	--	--	--	--	--	<.10	--	--	--
20...	5	110	294	<4	214	--	--	<1	<1	<1

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Date	Time	Depth	Specif-	pH,	Redox	Turbdty	Alka-	Bicar-	Carbon-
		to of water	conduc-	water,	poten-	white	linity,	bonate,	ate,
well, feet	level, feet	Temper- ature, wat unf	unfltrd	Dis-	light,	Hard-	wat flt	wat flt	wat flt
LSD (72008)	LSD (72019)	deg C (00010)	25 degC (00095)	std units	solved mg/L	rel to 90+/-30 NTRU	inf tit	infl pt	infl pt
				SHE, mV	corrctd	water, lab	titr.	titr.,	titr.
				(00400)	(00300)	(63002)	(63676)	(00900)	(39087)
						CaCO ₃	CaCO ₃	mg/L	mg/L
						(00900)	(39087)	(29806)	(29809)
		380143097363303	23S 03W 25BBBB03	RR3-ME-1	(LAT 38 01 43N LONG 097 36 32W)				
AUG 2008									
21...	1010	242.53	31.18	16.7	396	7.2	.1	170	.3
21...	1011	242.53	--	--	--	--	--	--	--
		380143097362801	23S 03W 25BBBA01	RR3-ME-2	(LAT 38 01 43N LONG 097 36 28W)				
AUG 2008									
21...	1155	248.62	30.32	16.9	391	7.3	.1	20.0	.3
21...	1156	248.62	--	--	--	--	--	--	--
		380142097363702	23S 03W 25BBBB02	RR3-MS-1	(LAT 38 01 41N LONG 097 36 37W)				
AUG 2008									
13...	1000	243.74	31.20	17.0	380	7.3	.2	180	.1
13...	1001	243.74	--	--	--	--	--	--	--
13...	1005	243.74	31.20	17.0	380	7.3	.2	180	.1
13...	1002	243.74	--	--	--	--	--	--	--
		380138097363801	23S 03W 26AAAD01	RR3-MS-2	(LAT 38 01 38N LONG 097 36 37W)				
AUG 2008									
13...	1210	248.24	29.90	17.1	396	7.0	.2	320	.1
13...	1211	248.24	--	--	--	--	--	--	--
		380056097363801	23S 03W 26DDDD01	RR4-MN	(LAT 38 00 56N LONG 097 36 37W)				
AUG 2008									
14...	1030	125.63	29.81	15.7	542	7.1	.1	100	9.0
14...	1031	125.63	--	--	--	--	--	--	--
14...	1035	125.63	29.81	15.7	542	7.1	.1	100	9.0
		380051097364402	23S 03W 35AAAA02	RR4-MW DEEP	(LAT 38 00 50N LONG 097 36 44W)				
AUG 2008									
14...	1130	109.05	25.97	16.0	781	7.2	.3	120	.8
14...	1131	109.05	--	--	--	--	--	--	--
		380051097362802	23S 03W 36BBBA02	RR4-ME DEEP	(LAT 38 00 50N LONG 097 36 28W)				
AUG 2008									
14...	1230	115.40	37.02	15.7	470	6.8	.1	150	1.0
14...	1231	115.40	--	--	--	--	--	--	--
14...	1235	115.40	37.02	15.7	470	6.8	.1	150	1.0
14...	1236	115.40	--	--	--	--	--	--	--

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Date	Calcium water, fltrd, mg/L (00915)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Magnes- ium, water, fltrd, mg/L (00925)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L SiO2 (00955)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate + water, fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L as P (00666)	Ortho- phosphate, water, fltrd, mg/L as P (00671)
380143097363303 23S 03W 25BBBB03 RR3-ME-1 (LAT 38 01 43N LONG 097 36 32W)													
G 2008 21... 21...	-- 45.9	-- 35.4	-- 2	-- 6.67	-- 9.3	-- 13	-- .5	-- 16.6	-- --	-- <.01	-- <.020	-- .180	-- .18
380143097362801 23S 03W 25BBBA01 RR3-ME-2 (LAT 38 01 43N LONG 097 36 28W)													
G 2008 21... 21...	-- 43.9	-- 36.6	-- 2	-- 6.54	-- 5.9	-- 12	-- .5	-- 19.8	-- --	-- <.01	-- <.020	-- .190	-- .20
380142097363702 23S 03W 25BBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)													
G 2008 13... 13... 13... 13...	-- 43.8	-- 34.0	-- 2r	-- 6.31	-- 7.3	-- 12	-- .4	-- 19.6	-- .150	-- <.01	-- <.020	-- .200	-- .19
380138097363801 23S 03W 26AAAD01 RR3-MS-2 (LAT 38 01 38N LONG 097 36 37W)													
G 2008 13... 13...	-- 44.5	-- 35.8	-- 2	-- 6.75	-- 7.9	-- 13	-- .4	-- 21.3	-- --	-- <.01	-- .230	-- .210	-- .21
380056097363801 23S 03W 26DDDD01 RR4-MN (LAT 38 00 56N LONG 097 36 37W)													
G 2008 14... 14... 14...	-- 69.6	-- 32.0	-- 3	-- 8.56	-- 63	-- 25	-- .3	-- 22.5	-- .140	-- <.01	-- <.020	-- .280	-- .15
380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)													
G 2008 14... 14...	-- 96.0	-- 43.4	-- 3	-- 13.9	-- 140	-- 25	-- .3	-- 22.6	-- --	-- <.01	-- <.020	-- .220	-- .02
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
G 2008 14... 14... 14... 14...	-- 53.1	-- 34.2	-- 3	-- 8.85	-- 42	-- 17	-- .3	-- 23.2	-- --	-- <.01	-- .380	-- .140	-- .03

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 11-24-08
MISCELLANEOUS STATION ANALYSES

Date	Arsenic water, (01000)	Iron, water, (01046)	Mangan- ese, water, (01056)	non- filter- able, (00530)	Residue	Residue	Tria-	Fecal	Total
					total	evap.	on evap.	zine screen,	coli- form,
					180degC	105degC	wat flt	M-FC	LesEndo
					ug/L	ug/L	wat unf	ug/L as	0.7u MF
					mg/L	mg/L	mg/L	col/	immed,
							atrazin	100 mL	col/
							(34756)	(31625)	(31504)

380143097363303 23S 03W 25BBBB03 RR3-ME-1 (LAT 38 01 43N LONG 097 36 32W)

AUG 2008

21... -- <100 235 <4 226 -- -- <1 <1

380143097362801 23S 03W 25BBBA01 RR3-ME-2 (LAT 38 01 43N LONG 097 36 28W)

AUG 2008

21... -- -- -- -- -- -- -- -- -- --
 21... 4 <100 228 <4 235 -- -- <1 <1

380142097363702 23S 03W 25BBBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)

AUG 2008

13... -- <100 260 <4 221 230 <.10 -- <1 --
 13... 5 -- -- -- -- -- -- -- --
 13... -- -- -- -- -- -- -- --
 13... -- -- -- -- -- -- -- --

380138097363801 23S 03W 26AAAD01 RR3-MS-2 (LAT 38 01 38N LONG 097 36 37W)

AUG 2008

13... -- -- -- -- <100 175 <4 237 244 -- <1 .10

380056097363801 23S 03W 26DDDD01 RR4-MN (LAT 38 00 56N LONG 097 36 37W)

AUG 2008

14... -- -- -- -- <4 320 346 <.10 -- <1 -- <1
 14... 8 510 406 -- -- -- -- -- --
 14 -- -- -- -- -- -- -- -- --

380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)

AUG 2008

14... 8 1800 546 <4 51.8 572 <.10 <1 1

380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)

AUG 2008

14...	--	--	--	--	--	--	--	<.10	--	--
14...	5	970	244	<4	272	280	--	<1	<1	<1
14...	--	--	--	--	--	--	<.10	--	--	--
14...	5	960	248	<4	276	286	--	<1	<1	<1

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-24-08

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Specif- ic conduc- tance, wat er unf 25 degC (00010)	pH, water, unfltrd field, std units (00095)	Turbidity white poten- tial, rel to 90+/-30 NTRU (00400)	Redox power, det ang mg/L (00300)	Turbidity light, det ang mV (63002)	Hard- ness, water, corrctd mg/L (63676)	Alka- linity, wat flt mg/L as CaCO ₃ (00900)	Bicar- bonate, wat flt titr., mg/L as CaCO ₃ (39087)	Carbon- ate, wat flt infl pt lab, lab, mg/L (29806)
380042097363701 23S 03W 36BBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)												
AUG 2008												
14...	0930	129.98	26.03	15.8	505	7.2	.2	130	1.3	--	--	--
14...	0931	129.98	--	--	--	--	--	--	--	190	156	190 .0
14...	0935	129.98	26.03	15.8	505	7.2	.2	130	1.3	--	--	--
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)												
AUG 2008												
19...	1010	60.05	16.31	15.6	993	6.8	.1	120	1.1	--	--	--
19...	1011	60.05	--	--	--	--	--	--	--	360	202	250 .0
19...	1015	60.05	16.31	15.6	993	6.8	.1	120	1.1	--	--	--
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)												
AUG 2008												
19...	1150	249.38	25.76	15.8	642	7.1	M	110	.6	--	--	--
19...	1151	249.38	--	--	--	--	--	--	--	230	202	250 .0
19...	1155	249.38	25.76	15.8	642	7.1	M	110	.6	--	--	--
375954097363801 24S 03W 02AAADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)												
AUG 2008												
18...	1030	60.12	15.10	16.2	527	6.9	.1	120	2.6	--	--	--
18...	1031	60.12	--	--	--	--	--	--	--	180	184	220 .0
18...	1035	60.12	15.10	16.2	527	6.9	.1	120	2.6	--	--	--
18...	1032	60.12	--	--	--	--	--	--	--	--	--	--
375954097363802 24S 03W 02AAADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)												
AUG 2008												
18...	1230	261.40	24.55	16.0	562	7.2	.1	60.0	.3	--	--	--
18...	1231	261.40	--	--	--	--	--	--	--	210	194	240 .0
18...	1235	261.40	24.55	16.0	562	7.2	.1	60.0	.3	--	--	--
375906097365001 24S 03W 11AABB01 RB2-MN SHALLOW (LAT 37 59 06N LONG 097 36 49W)												
AUG 2008												
21...	0940	56.98	12.42	15.9	1150	6.5	.2	130	.4	--	--	--
21...	0941	56.98	--	--	--	--	--	--	--	450	157	190 .0
21...	0945	56.98	12.42	15.9	1150	6.5	.2	130	.4	--	--	--
375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)												
AUG 2008												
21...	1135	259.25	25.57	16.6	796	6.8	.1	340	5.0	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-24-08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 11-24-08
MISCELLANEOUS STATION ANALYSES

Date	Arsenic water, (01000)	Iron, water, (01046)	Mangan- ese, water, (01056)	Residue total filterable, ug/L	Residue evap.	Residue evap.	Tria- zine screen, wat flt	Fecal coliform, M-FC	Total coliform, LesEndo
					180degC	105degC	ELISA, ug/L as col/ atrazin	0.7u MF 100 mL	immed, col/ 100 mL
				(00530)	(70300)	(00500)	(34756)	(31625)	(31504)

380042097363701 23S 03W 36BBBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)

AUG 2008

14... -- 10 1240 386 4 293 308 <.10 -- <1 1

375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)

AUG 2008

19... -- -- -- -- <.10 -- -- --
 19... 8 4260 271 <4 591 684 -- <1 -- <1
 19... -- -- -- -- -- -- -- --

375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)

AUG 2008

19... -- 14 1050 435 <4 370 368 <.10 -- <1 -- <1

375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)

AUG 2008

18... -- -- -- -- -- -- <.10 -- --
 18... 6 1050 124 <4 326 326 -- <1 --
 18... -- -- -- -- -- -- -- --
 18... -- -- -- -- -- -- <.10 -- --

375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)

AUG 2008

18... -- -- -- <4 -- -- -- <.10 --
 18... 17 250 440 326 332 -- R1 1
 18... -- -- -- -- -- -- --

375906097365001 24S 03W 11AABB01 RB2-MN SHALLOW (LAT 37 59 06N LONG 097 36 49W)

AUG 2008
81

375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)

AUG 2008
81

21... -- -- -- -- -- -- -- -- -- --

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-24-08

Date	Time	Depth	Specif-	pH,	Redox	Turbdty	Alka-	Bicar-	Carbon-		
		to of water	conduc-	water,	poten-	white	linity,	bonate,	ate,		
well, feet	level, feet	Temper- ature,	unfltrd	Dis-	light,	Hard-	wat flt	wat flt	wat flt		
LSD	LSD	wat deg C	us/cm 25 degC	field, std units	solved oxygen, mg/L	det ang SHE, mV	ness, water, NTRU	infl tit corrctd mg/L as CaCO3	infl pt titr., lab, lab, mg/L		
(72008)	(72019)	(00010)	(00095)	(00400)	(00300)	(63002)	(63676)	(00900)	(39087)	(29806)	(29809)
		375906097365002	24S 03W 11AABB02	RB2-MN DEEP	(LAT 37 59 06N LONG 097 36 49W)						
AUG 2008											
21...	1136	259.25	--	--	--	--	290	208	250	.0	
21...	1140	259.25	25.57	16.6	796	6.8	.1	340	5.0	--	--
		375902097363801	24S 03W 11AADA01	RB2-MS SHALLOW	(LAT 37 59 02N LONG 097 36 37W)						
AUG 2008											
20...	0945	59.43	13.75	17.7	673	7.0	.1	120	1.8	--	--
20...	0946	59.43	--	--	--	--	--	--	200	98	120
20...	0950	59.43	13.75	17.7	673	7.0	.1	120	1.8	--	--
		375902097363802	24S 03W 11AADA02	RB2-MS DEEP	(LAT 37 59 02N LONG 097 36 37W)						
AUG 2008											
20...	1135	255.80	26.33	16.6	540	7.2	M	300	.2	--	--
20...	1136	255.80	--	--	--	--	--	--	190	223	270
20...	1140	255.80	26.33	16.6	540	7.2	M	300	.2	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-24-08

Date	Calcium water, fltrd, mg/L (00915)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Magnesium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00925)	Sulfate, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00945)	Silica, SiO2 mg/L as (00950)	Ammonia, as N mg/L as (00955)	Nitrite, as N mg/L (00608)	Nitrate + nitrite, as N mg/L (00613)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L (00671)	
375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)														
G 2008 21... 21...	90.8 --	65.7 --	3 --	14.5 --	39 --	140 --	.6 --	23.4 --	.050 --	<.01 --	.020 --	.040 --	.03 --	
375902097363801 24S 03W 11AADA01 RB2-MS SHALLOW (LAT 37 59 02N LONG 097 36 37W)														
G 2008 20... 20... 20...	-- 62.2 --	-- 56.6 --	-- 3 --	-- 11.8 --	-- 92 --	-- 87 --	-- .6 --	-- 15.5 --	-- .100 --	-- <.01 --	-- <.020 --	-- .200 --	-- <.02 --	
375902097363802 24S 03W 11AADA02 RB2-MS DEEP (LAT 37 59 02N LONG 097 36 37W)														
G 2008 20... 20... 20...	-- 58.8 --	-- 53.2 --	-- 3 --	-- 9.18 --	-- 16 --	-- 36 --	-- .4 --	-- 24.3 --	-- .160 --	-- <.01 --	-- <.020 --	-- .040 --	-- .02 --	

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 11-24-08
 MISCELLANEOUS STATION ANALYSES

Date	Arsenic water, ug/L (01000)	Iron, water, ug/L (01046)	Mangan- ese, water, ug/L (01056)	non- filter- able, mg/L (00530)	Residue	Residue	Tria-	Fecal	Total
					total	evap.	evap.	screen,	coli- form, M-FC
					180degC	105degC	ELISA,	0.7u MF	immed,
					wat flt	wat flt	ug/L as	col/	col/
					wat unf	wat unf	atrazin	100 mL	100 mL
					(70300)	(00500)	(34756)	(31625)	(31504)

375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)

AUG 2008									
21...	2	<100	43.0	<4	501	522	--	<1	<1
21...	--	--	--	--	--	--	--	--	--

375902097363801 24S 03W 11AADA01 RB2-MS SHALLOW (LAT 37 59 02N LONG 097 36 37W)

AUG 2008									
20...	--	--	--	--	--	--	.30	--	--
20...	8	1800	259	4	390	434	--	<1	<1
20...	--	--	--	--	--	--	--	--	--

375902097363802 24S 03W 11AADA02 RB2-MS DEEP (LAT 37 59 02N LONG 097 36 37W)

AUG 2008									
20...	--	--	--	--	--	--	<.10	--	--
20...	2	<100	147	<4	327	334	--	<1	<1
20...	--	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than.

M -- Presence verified but not quantified.

R -- Radchem non-detect, below ssLc

Value qualifier codes used in this table:

r -- Value verified by rerun, same method