

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-29-11

Date	Time	Record number	Medium code	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf us/cm @ 25 degC	Specif- ic conduc- tance, wat unf us/cm @ 25 degC	Turbdty white light, det ang ness, water, corrctd NTRU	Carbon- ate hard- ness, wat unf 180degC	Dis- solved solids dried @ solids, wat unf	Sus- pended solids, wat unf	Total solids dried at 105degC	
		375902097363801		24S 03W	11AADA01	RB2-MS	SHALLOW	(LAT 37 59 02N LONG 097 36 37W)					
AUG 2011	23...	0950	01101979	WG	6.8	--	--	1510	15.4	.2	--	--	--
	23...	0951	01101980	WG	--	--	--	--	--	520	978	4	1080
	23...	0955	01101981	WG	6.8	--	--	1510	15.4	.2	--	--	--
	23...	1000	01101982	WGQ	6.8	7.0	1460	1510	15.4	.2	1020	--	--
	23...	1001	01101983	WGQ	--	--	--	--	--	33	--	--	--
		375902097363802		24S 03W	11AADA02	RB2-MS	DEEP	(LAT 37 59 02N LONG 097 36 37W)					
AUG 2011	23...	1125	01101984	WG	7.3	--	--	574	16.9	.2	--	--	--
	23...	1126	01101985	WG	--	--	--	--	--	190	342	<4	356
	23...	1130	01101986	WG	7.3	--	--	574	16.9	.2	--	--	--
		375906097365001		24S 03W	11AABB01	RB2-MN	SHALLOW	(LAT 37 59 06N LONG 097 36 49W)					
AUG 2011	23...	0950	01101987	WG	6.6	--	--	1390	16.9	1.3	--	--	--
	23...	0951	01101988	WG	--	--	--	--	--	470	1000	4	1050
	23...	0955	01101989	WG	6.6	--	--	1390	16.9	1.3	--	--	--
		375906097365002		24S 03W	11AABB02	RB2-MN	DEEP	(LAT 37 59 06N LONG 097 36 49W)					
AUG 2011	23...	1200	01101990	WG	7.1	--	--	598	17.6	10	--	--	--
	23...	1201	01101991	WG	--	--	--	--	--	200	374	5	406
	23...	1205	01101992	WG	7.1	--	--	598	17.6	10	--	--	--

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

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

AUG 2011 23... 2.7 -- <1.6 -- -- <.01 <.5 <2.0 <3.2 -- -- .6 .59 --

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

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

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Date	Time	Record number	Medium code	pH, water, unfltrd field, std units (00400)	Specif- conduc- tance, wat unf lab, uS/cm @ 25 degC (90095)	Specif- ic conduc- tance, wat unf water, uS/cm @ 25 degC (00095)	Temper- ature, wat unf water, deg C (00010)	Turbidity white light, det ang 90+/-30 NTU (63675)	Turbidity white light, det ang 90+/-30 NTRU (63676)	Carbon- ate hard- ness, corrctd degrees NTU (63676)	Dis- solved solids dried @ 180degC CaCO <sub>3</sub> mg/L as (00901)	Sus- pended solids, wat unf wat flt mg/L (70300)	Total solids dried at 105degC wat unf unfltrd mg/L (00530)
375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	0940	01101964	WG	7.0	--	552	16.5	--	1.0	--	--	--	
22...	0941	01101965	WG	--	--	--	--	--	--	190	341	<4 392	
22...	0945	01101966	WG	7.0	--	552	16.5	--	1.0	--	--	--	
375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	1130	01101967	WG	7.2	--	954	16.4	--	.2	--	--	--	
22...	1131	01101968	WG	--	--	--	--	--	--	370	613	<4 704	
22...	1135	01101969	WG	7.2	--	954	16.4	--	.2	--	--	--	
375958097363801 24S 03W 02AAAA01 IW-09A SHALLOW (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	0920	01101272	WG	7.0	--	548	16.1	--	.8	--	--	--	
08...	0921	01101273	WG	--	530	--	--	.1	--	210	353	<10 350	
08...	0925	01101274	WG	7.0	--	548	16.1	--	.8	--	--	--	
375958097363802 24S 03W 02AAAA02 IW-09C DEEP (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	1120	01101275	WG	7.4	--	599	16.3	--	3.1	--	--	--	
08...	1121	01101276	WG	--	570	--	--	.7	--	230	343	<10 342	
08...	1125	01101277	WG	7.4	--	599	16.3	--	3.1	--	--	--	
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	0955	01101970	WG	6.9	--	1100	16.2	--	1.0	--	--	--	
22...	0956	01101971	WG	--	--	--	--	--	--	420	671	5 792	

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Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, mg/L as CaCO <sub>3</sub> (39087)	Wat flt inf tit lab, mg/L (29806)	Bicarbonate, infl pt titr., lab, mg/L (71870)	Carbonate, infl pt titr., lab, mg/L (29809)	Chloride, infl pt titr., lab, mg/L (00940)	Chlorine, total, dual, wat unf mg/L (50060)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, SiO <sub>2</sub> , mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	58.7	11.5	3	48.8	150	180	.2	.0	36	<.05	.5	16.0	82
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	118	17.5	3	69.3	216	260	.3	.0	160	<.05	.4	20.2	51
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097363801 24S 03W 02AAAA01 IW-09A SHALLOW (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	65.2	12.3	4	38.0	124	150	.1	.0	27	--	.5	17.2	91
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097363802 24S 03W 02AAAA02 IW-09C DEEP (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	73.1	10.8	3	41.7	189	230	.2	.0	60	--	.4	19.4	28
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	124	25.8	4	78.5	204	250	.4	.0	180	<.05	.4	21.9	99

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Date	Nickel, water, ug/L (01065)	Silver, water, ug/L (01075)	Stront- ium, ug/L (01080)	Thall- ium, ug/L (01057)	Vana- dium, ug/L (01085)	Zinc, water, ug/L (01090)	Anti- mony, water, ug/L (01095)	Arsen- ate, water, ug/L (62453)	Arsenic as As (01000)	Arsen- ite, water, ug/L (62452)	Boron, water, ug/L (01020)	Cyanide mg/L (00723)	Selen- ium, water, ug/L (01145)
375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	--	--	--	--	--	--	--	3.1	--	.9	--	--	--
22...	.5	<10	436	<.05	<5	<5	M	--	4.9	--	29	<.01	1.0
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)													
AUG 2011													
22...	--	--	--	--	--	--	--	5.4	--	14.2	--	--	--
22...	.2	<10	628	.05	<5	<5	<.10	--	18.5	--	26	<.01	3.1
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097363801 24S 03W 02AAAA01 IW-09A SHALLOW (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	--	--	--	--	--	--	--	<1.6	--	<1.6	--	--	--
08...	.7	<10	453	.39	12	<5	M	--	2.3	--	43	<.01	29.6
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097363802 24S 03W 02AAAA02 IW-09C DEEP (LAT 37 59 58N LONG 097 36 38W)													
JUN 2011													
08...	--	--	--	--	--	--	--	3.9	--	14.8	--	--	--
08...	.2	<10	396	.37	<5	<5	<.10	--	21.1	--	28	<.01	1.2
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	--	--	--	--	--	--	--	5.0	--	3.7	--	--	--
22...	1.4	<10	968	<.05	<5	<5	<.10	--	9.1	--	33	<.01	3.8

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	Di-methyl-arsin-ate, wat filt ug/L as As (62455)	Tria-zine screen, wat filt ug/L as As (34756)	Mono-methyl-arsen-ate, wat filt ug/L as As (62454)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd, mg/L (00680)
--	--	---	--	--	--

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

AUG 2011  
 22... <2.0 -- <3.2 -- --  
 22... -- -- -- .8 .80  
 22... -- -- -- -- --

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

AUG 2011  
 22... <2.0 -- <3.2 -- --  
 22... -- -- -- .7 .60  
 22... -- -- -- -- --

375958097363801 24S 03W 02AAAA01 IW-09A SHALLOW (LAT 37 59 58N LONG 097 36 38W)

JUN 2011  
 08... <2.0 <.10 <3.2 -- --  
 08... -- -- -- .8 .74  
 08... -- -- -- -- --

375958097363802 24S 03W 02AAAA02 IW-09C DEEP (LAT 37 59 58N LONG 097 36 38W)

JUN 2011  
 08... <2.0 <.10 <3.2 -- --  
 08... -- -- -- 1.0 .59  
 08... -- -- -- -- --

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

AUG 2011  
 22... <2.0 -- <3.2 -- --  
 22... -- -- -- .7 .66

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Date	Time	Record number	Medium code	pH, water, unfiltrd field, std units (00400)	Specif- ic conduct- tance, wat unf uS/cm @ 25 degC (00095)	Temper- ature, water, corrctd deg C (00010)	Turbdty light, det ang 90+/-30 NTRU (63676)	Carbon- white ness, wat unf mg/L as CaCO3 (00901)	Dis- solved solids dried @ 180degC wat filt mg/L (70300)	Sus- pended solids, water, unfiltrd wat unf mg/L (00530)	Total solids dried at 105degC wat unf mg/L (00500)	Calcium water, filtrd, mg/L (00915)	Magnes- ium, water, filtrd, mg/L (00925)
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	1000	01101972	WG	6.9	1100	16.2	1.0	--	--	--	--	--	--
22...	1005	01101973	WGQ	6.9	1100	16.2	1.0	--	--	--	--	--	--
22...	1006	01101974	WGQ	--	--	--	--	410	683	6	816	123	25.7
22...	1010	01101975	WGQ	6.9	1100	16.2	1.0	--	--	--	--	--	--
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	1215	01101976	WG	7.3	606	16.2	.8	--	--	--	--	--	--
22...	1216	01101977	WG	--	--	--	--	230	345	<4	400	72.2	10.9
22...	1220	01101978	WG	7.3	606	16.2	.8	--	--	--	--	--	--
380042097363701 23S 03W 36BBBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
AUG 2011													
18...	1200	01101925	WG	7.0	570	16.4	2.0	--	--	--	--	--	--
18...	1201	01101926	WG	--	--	--	--	220	348	<4	384	70.0	10.4
18...	1205	01101927	WG	7.0	570	16.4	2.0	--	--	--	--	--	--
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
AUG 2011													
18...	1140	01101923	WG	6.8	696	16.3	.9	--	--	--	--	--	--
18...	1141	01101924	WG	--	--	--	--	250	435	<4	492	77.0	13.0
SEP													
01...	0925	01102059	WG	6.9	668	16.6	1.1	--	--	--	--	--	--
01...	0926	01102060	WG	--	--	--	--	240	386	<4	--	74.6	13.1

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Date	Potassium	Sodium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Bicarbonate, wat flt inf tit lab, mg/L CaCO3 (39087)	Bromide, wat flt infl pt lab, mg/L (29806)	Carbonate, wat flt infl pt lab, mg/L (71870)	Chloride, wat flt infl pt lab, mg/L (29809)	Chlorine, total resi- dual, wat unf mg/L (00940)	Fluoride, water, fltrd, mg/L (50060)	Silica, water, fltrd, mg/L SiO2 (00950)	Sulfate, water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
G 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	4	78.3	197	240	.4	.0	180	<.05	.4	21.8	99	.060	.060
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
G 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	3	46.1	183	220	.2	.0	65	<.05	.4	19.6	27	.200	<.020
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
380042097363701 23S 03W 36BBCB01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
G 2011													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	3	35.0	152	180	.3	.0	71	--	.3	21.6	33	.150	<.020
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
G 2011													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	3	42.7	146	180	.5	.0	110	--	.3	21.1	22	.060	.320
P													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
01...	3	43.4	144	180	.4	.0	110	<.05	.3	21.5	22	.050	.390



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Date	Total coliform, m-Coli-Blue, cfu/100 mL (31694)	Alum-inum, ug/L (01106)	Barium, ug/L (01005)	Beryllium, ug/L (01010)	Cadmium, ug/L (01025)	Chromium, ug/L (01030)	Copper, ug/L (01040)	Iron, ug/L (01046)	Lead, ug/L (01049)	Manganese, ug/L (01056)	Mercury, ug/L (71890)	Nickel, ug/L (01065)	Silver, ug/L (01075)
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011		--	--	--	--	--	--	--	--	--	--	--	--
22...	<1	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	<20	259	<1.0	<.05	<10	<5	5150	.15	334	<.10	1.4	<10
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011		--	--	--	--	--	--	--	--	--	--	--	--
22...	<1	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	<20	142	<1.0	<.05	<10	<5	900	<.10	426	<.10	.1	<10
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
380042097363701 23S 03W 36BBBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
AUG 2011	E2	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	<20	235	<1.0	<.05	<10	<5	1520	<.10	438	<.10	.3	<10
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
AUG 2011	E1	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	<20	208	<1.0	<.05	<10	<5	1520	.14	335	<.10	.7	<10
SEP 01...	E1	--	--	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	1220	--	265	--	--	--

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Date	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, water, fltrd, ug/L (01057)	Vana- dium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Anti- mony, water, fltrd, ug/L (01095)	Arsen- ate, water, fltrd, ug/L (62453)	Arsen- ite, water, fltrd, ug/L (01000)	Arsenic Boron, water, fltrd, ug/L (62452)	Cyanide water, fltrd, ug/L (01020)	Selen- ium, water, fltrd, ug/L (00723)	Di- methyl- arsin- ate, water, fltrd, ug/L (01145)	Mono- methyl- arsone, water, fltrd, ug/L (62455)	
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	5.3	--	3.8	--	--	--	<2.0	<3.2
22...	974	<.05	<5	<5	<.10	--	9.4	--	34	<.01	3.8	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
AUG 2011													
22...	--	--	--	--	--	4.5	--	10.1	--	--	--	<2.0	<3.2
22...	411	.06	<5	<5	<.10	--	14.6	--	24	<.01	1.3	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
380042097363701 23S 03W 36BBBB01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
AUG 2011													
18...	--	--	--	--	--	3.8	--	4.7	--	--	--	<2.0	<3.2
18...	365	.06	<5	<5	<.10	--	10.2	--	<20	<.01	1.5	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
AUG 2011													
18...	--	--	--	--	--	2.2	--	1.6	--	--	--	<2.0	<3.2
18...	470	<.05	<5	<5	<.10	--	4.7	--	<20	<.01	2.4	--	--
SEP													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	4.1	--	--	--	--	--

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Date	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd, mg/L (00680)
------	--	--

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

AUG 2011  
22... -- --  
22... -- --  
22... .7 .67  
22... -- --

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

AUG 2011  
22... -- --  
22... .6 .63  
22... -- --

380042097363701 23S 03W 36BBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)

AUG 2011  
18... -- --  
18... .5 .47  
18... -- --

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

AUG 2011  
18... -- --  
18... .4 .42  
SEP  
01... -- --  
01... -- --

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Date	Time	Record number	Medium code	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf us/cm @ 25 degC	Specif- ic conduc- tance, wat unf us/cm @ 25 degC	Turbdty white light, hard- ness, det ang 90+/-30	Carbon- ate solids dried @ 180degC	Dis- solved solids dried solids, water, 180degC	Sus- pended at solids, unfltrd wat unf	Total solids dried at wat unf mg/L (00500)
380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)												
AUG 2011		0945	01101917	WG	7.0	--	--	938	16.1	.6	--	--
18...		0946	01101918	WG	--	--	--	--	--	350	686	<4
18...		0950	01101919	WG	7.0	--	--	938	16.1	.6	--	--
380056097363801 23S 03W 26DDDD01 RR4-MN (LAT 38 00 56N LONG 097 36 37W)												
AUG 2011		0945	01101920	WG	7.2	--	--	626	16.2	11	--	--
18...		0946	01101921	WG	--	--	--	--	--	240	417	<4
18...		0950	01101922	WG	7.2	--	--	626	16.2	11	--	--
380142097363702 23S 03W 25BBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)												
AUG 2011		1135	01101909	WG	7.1	--	--	372	17.1	.4	--	--
17...		1136	01101910	WG	--	--	--	--	--	140	226	<4
17...		1140	01101911	WG	7.1	--	--	372	17.1	.4	--	--
17...		1145	01101912	WGQ	7.1	7.5	369	372	17.1	.4	--	227
17...		1146	01101913	WGQ	--	--	--	--	--	<2.0	--	--
380143097363303 23S 03W 25BBBB03 RR3-ME-1 (LAT 38 01 43N LONG 097 36 32W)												
AUG 2011		1200	01101914	WG	7.4	--	--	409	17.0	1.1	--	--
17...		1201	01101915	WG	--	--	--	--	--	150	252	<4
17...		1205	01101916	WG	7.4	--	--	409	17.0	1.1	--	--

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

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

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

380143097363303 23S 03W 25BBBBB03 RR3-ME-1 (LAT 38 01 43N LONG 097 36 32W)

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

AUG 2011

18... -- 4.8 -- -- <.01 3.6 -- -- .5 .45 --  
 18... 9.8 -- 26 -- -- -- -- -- -- -- --  
 18... -- -- -- -- -- -- -- -- -- -- --

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

AUG 2011

18... -- 4.4 -- -- <.01 1.9 -- -- <2.0 <3.2 -- --  
 18... 7.6 -- 20 -- -- -- -- .5 .48 --  
 18... -- -- -- -- -- -- -- -- --

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

AUG 2011

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

AUG 2011

17... -- <1.6 -- -- <.01 .6 -- -- .7 .68 --  
 17... 4.3 -- 23 <.01 .6 -- -- .7 .68 --  
 17... -- -- -- -- -- -- -- -- --

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Date	Time	Record number	Medium code	pH, water, unfltrd field, std units	Specif. conductance, wat unf lab, wat unf uS/cm @ 25 degC	Specif- ic conductance, wat unf uS/cm @ 25 degC	Temper- ature, water, deg C	Turbidity, NTU	Turbidity, NTRU	Carbon- ate ness, hard- ness, corrctd	Dis- solved solids, dried @ 180degC	Sus- pended solids, water, 105degC	Total solids, dried at
			(00400)	(90095)	(00095)	(00010)	(63675)	(63676)	(00901)	(70300)	(00530)	(00500)	
380144097364002 23S 03W 23DDDD02 RR3-MW-1 (LAT 38 01 44N LONG 097 36 39W)													
AUG 2011													
17...	1000	01101906	WG	7.2	--	372	17.1	--	1.4	--	--	--	--
17...	1001	01101907	WG	--	--	--	--	--	--	140	225	<4	244
17...	1005	01101908	WG	7.2	--	372	17.1	--	1.4	--	--	--	--
380144097371101 23S 03W 23DCCC01 IW-05A SHALLOW (LAT 38 01 44N LONG 097 37 11W)													
JUN 2011													
02...	0940	01101250	WG	6.0	--	532	16.3	--	11	--	--	--	--
02...	0941	01101251	WG	--	520	--	--	.8	--	170	339	<10	--
380144097371102 23S 03W 23DCCC02 IW-05C DEEP (LAT 38 01 44N LONG 097 37 11W)													
JUN 2011													
02...	1115	01101252	WG	6.7	--	921	16.6	--	1.9	--	--	--	--
02...	1116	01101253	WG	--	890	--	--	.5	--	320	385	<10	--
380148097363801 23S 03W 23DDDD01 RR3-MN-1 (LAT 38 01 48N LONG 097 36 37W)													
AUG 2011													
17...	0915	01101903	WG	7.4	--	388	16.9	--	.6	--	--	--	--
17...	0916	01101904	WG	--	--	--	--	--	--	140	238	<4	234
17...	0920	01101905	WG	7.4	--	388	16.9	--	.6	--	--	--	--
380228097363801 23S 03W 23AADAO1 RR2-MS (LAT 38 02 28N LONG 097 36 38W)													
AUG 2011													
08...	1245	01101885	WG	7.5	--	380	17.0	--	.4	--	--	--	--
08...	1246	01101886	WG	--	--	--	--	--	--	140	223	--	--
08...	1250	01101887	WG	7.5	--	380	17.0	--	.4	--	--	--	--

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	Tria-	Mono-			
	zine	methyl-			
Date	screen,	arson-	Organic	Organic	
	wat flt	ate,	carbon,	carbon,	
	ELISA,	wat flt	water,	water,	
	ug/L as atrazin	ug/L as As	fltrd,	unfltrd	
(34756)	(62454)	mg/L	mg/L		
					(00680)

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

AUG 2011  
17... -- <3.2 -- --  
17... -- -- .6 .54  
17... -- -- -- --

380144097371101 23S 03W 23DCCC01 IW-05A SHALLOW (LAT 38 01 44N LONG 097 37 11W)

JUN 2011  
02... <.10 -- -- --  
02... -- -- -- --

380144097371102 23S 03W 23DCCC02 IW-05C DEEP (LAT 38 01 44N LONG 097 37 11W)

JUN 2011  
02... <.10 -- -- --  
02... -- -- -- --

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

AUG 2011  
17... -- <3.2 -- --  
17... -- -- .5 .57  
17... -- -- -- --

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

AUG 2011  
08... -- <3.2 -- --  
08... -- -- .6 --  
08... -- -- -- --

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Date	Time	Record number	Medium code	pH,	Specif-ic	Turbdty	Carbon-	Dis-	Total	Magnes-ium,	
				water, unfltrd	conductance, field, std	Temper-ature, wat unf	white light, hard-ness,	solved dried @ 180degC	Sus-pended solids, water,		
				units	25 degC	90+/-30	wat unf corrctd	wat filt	water, unfltrd	Magnes-ium, water,	
				(00400)	(00095)	(00010)	(NTRU)	(CaCO3)	(mg/L)	(00915)	
							(mg/L)	(70300)	(00530)	(00500)	(00925)
380236097363102 23S 03W 24BBAB02 RR2-ME DEEP (LAT 38 02 35N LONG 097 36 31W)											
AUG 2011											
09...	1140	01101894	WG	7.3	373	17.3	1.5	--	--	--	--
09...	1141	01101895	WG	--	--	--	--	130	220	<4	218
09...	1145	01101896	WG	7.3	373	17.3	1.5	--	--	--	--
380236097364802 23S 03W 23AABB02 RR2-MW DEEP (LAT 38 02 35N LONG 097 36 47W)											
AUG 2011											
09...	0935	01101888	WG	7.5	397	17.4	.3	--	--	--	--
09...	0936	01101889	WG	--	--	--	--	150	232	--	50.4
09...	0940	01101890	WG	7.5	397	17.4	.3	--	--	--	--
380241097363801 23S 03W 14DDDA01 RR2-MN (LAT 38 02 40N LONG 097 36 38W)											
AUG 2011											
08...	1030	01101880	WG	7.6	403	16.9	.9	--	--	--	--
08...	1031	01101881	WG	--	--	--	--	150	232	<4	244
08...	1035	01101882	WG	7.6	403	16.9	.9	--	--	--	--
08...	1040	01101883	WGQ	7.6	403	16.9	.9	--	--	--	--
08...	1041	01101884	WGQ	--	--	--	--	150	225	<4	228
380323097363801 23S 03W 14AAAA01 RR1-MS (LAT 38 03 23N LONG 097 36 38W)											
AUG 2011											
02...	1120	01101742	WG	6.6	275	16.8	.9	--	--	--	--
02...	1121	01101743	WG	--	--	--	--	100	171	<4	180
02...	1125	01101744	WG	6.6	275	16.8	.9	--	--	--	--

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Date	Thall- ium, water, fltrd, ug/L (01057)	Vana- dium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Anti- mony, water, fltrd, ug/L (01095)	Arsen- ate, water, ug/L (62453)	Arsenic water, ug/L (01000)	Arsen- ite, water, ug/L (62452)	Boron, water, ug/L (01020)	Cyanide water, mg/L (00723)	Selen- ium, water, ug/L (01145)	Di- methyl- arsin- ate, water, ug/L (62455)	Mono- methyl- arson- ate, water, ug/L (62454)	Organic carbon, water, fltrd, mg/L (00681)
380236097363102 23S 03W 24BBAB02 RR2-ME DEEP (LAT 38 02 35N LONG 097 36 31W)													
G 2011 09... 09... 09...	-- <.05 --	-- <5 --	-- <5 --	-- <.10 --	1.0 -- --	-- 3.7 --	2.7 -- --	-- <20 --	-- <.01 --	-- <.5 --	<2.0 -- --	<3.2 -- --	
380236097364802 23S 03W 23AABB02 RR2-MW DEEP (LAT 38 02 35N LONG 097 36 47W)													
G 2011 09... 09... 09...	-- .06 --	-- <5 --	-- <5 --	-- <.10 --	1.6 -- --	-- 4.2 --	2.4 -- --	-- <20 --	-- <.01 --	-- <.5 --	<2.0 -- --	<3.2 -- --	
380241097363801 23S 03W 14DDDA01 RR2-MN (LAT 38 02 40N LONG 097 36 38W)													
G 2011 08... 08... 08... 08... 08...	-- .05 -- -- .05	-- <5 -- -- <5	-- <5 -- -- <5	-- <.10 -- -- <.10	1.6 -- -- -- 4.1	-- 3.9 -- -- --	1.6 -- 22 -- 21	-- -- <.01 -- <.01	-- -- <.5 -- <.5	-- -- -- -- --	<2.0 -- -- -- --	<3.2 -- -- -- --	
380323097363801 23S 03W 14AAAA01 RR1-MS (LAT 38 03 23N LONG 097 36 38W)													
G 2011 02... 02... 02...	-- .06 --	-- <5 --	-- <5 --	-- M --	3.5 -- 4.9	-- -- --	.9 -- --	-- <20 --	-- <.01 --	-- <.5 --	<2.0 -- --	<3.2 -- --	

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Organic  
carbon,  
water,  
Date      unfltrd  
             mg/L  
             (00680)

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

AUG 2011  
09...        --  
09...        .56  
09...        --

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

AUG 2011  
09...        --  
09...        --  
09...        --

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

AUG 2011  
08...        --  
08...        .51  
08...        --  
08...        --  
08...        .52

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

AUG 2011  
02...        --  
02...        .35  
02...        --

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Date	Time	Record number	Medium code	pH,	Specif.	Specif-	Turbdty	Turbdty	Carbon-	Dis-	Total
				unfltrd water, field, std units (00400)	conductance, wat unf lab, wat unf us/cm @ 25 degC (90095)	conductance, wat unf us/cm @ 25 degC (00095)	Temper- ature, water, degrees NTU (00010)	det ang 90+/-30 corrctd (63675)	light, hard- ness, wat unf NTRU (63676)	dried @ 180degC CaCO3 (00901)	Sus- pended solids, wat unf mg/L as (70300)
380328097362802 23S 03W 12CCCD02 RR1-ME DEEP (LAT 38 03 28N LONG 097 36 28W)											
AUG 2011											
03...	1215	01101749	WG	6.3	--	344	16.6	--	1.9	--	--
03...	1216	01101750	WG	--	--	--	--	--	120	200	<4 218
03...	1220	01101751	WG	6.3	--	344	16.6	--	1.9	--	--
09...	1200	01101897	WG	6.5	--	330	16.1	--	1.2	--	--
09...	1201	01101898	WG	--	--	--	--	--	120	202	<4 --
380328097364602 23S 03W 14AABA02 RR1-MW DEEP (LAT 38 03 28N LONG 097 36 46W)											
AUG 2011											
03...	1015	01101745	WG	--	--	--	--	--	1.0	--	--
03...	1016	01101746	WG	--	--	--	--	--	110	159	<4 180
03...	1020	01101747	WG	--	--	--	--	--	1.0	--	--
08...	1420	01101748	WG	6.6	--	280	17.0	--	--	--	--
380329097363701 23S 03W 12CCCC01 IW-02A SHALLOW (LAT 38 03 29N LONG 097 36 37W)											
JUN 2011											
06...	0925	01101254	WG	6.0	--	196	15.3	--	.7	--	--
06...	0926	01101255	WG	--	190	--	--	.4	--	52	137
06...	0930	01101256	WG	6.0	--	196	15.3	--	.7	--	<10 150
380329097363702 23S 03W 12CCCC02 IW-02C DEEP (LAT 38 03 29N LONG 097 36 37W)											
JUN 2011											
06...	1120	01101257	WG	6.8	--	403	16.4	--	1.0	--	--
06...	1121	01101258	WG	--	400	--	--	.4	--	170	250
06...	1125	01101259	WG	6.8	--	403	16.4	--	1.0	--	<10 232

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	Tria-	Mono-			
	zine	methyl-			
	screen,	arson-	Organic	Organic	
	wat flt	ate,	carbon,	carbon,	
	ELISA,	wat flt	water,	water,	
Date	ug/L as	ug/L	fltrd,	unfltrd	
	atrazin	as As	mg/L	mg/L	
	(34756)	(62454)	(00681)	(00680)	

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

AUG 2011

03...	--	<3.2	--	--
03...	--	--	.6	.54
03...	--	--	--	--
09...	--	--	--	--
09...	--	--	--	--

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

AUG 2011

03...	--	<3.2	--	--
03...	--	--	.4	.30
03...	--	--	--	--
08...	--	--	--	--

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

JUN 2011

06...	<.10	<3.2	--	--
06...	--	--	1.0	.95
06...	--	--	--	--

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

JUN 2011

06...	<.10	<3.2	--	--
06...	--	--	1.5	1.48
06...	--	--	--	--

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Date	Time	Record number	Medium code	pH, water, unfltrd field, std units	Specif- ic water, conduc- tance, wat unf 25 degC	Turbdty light, hard- ness, 90+/-30 ature, water, corrctd deg C	Carbon- ate 180degC NTRU	Diss- solved solids	Magnes- ium, water, fltrd, fltrd,	Potas- sium, water, fltrd, fltrd,	Sodium, water, mg/L	
				(00400)	(00095)	(00010)	(63676)	(00901)	(70300)	(00915)	(00925)	(00935)

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

AUG 2011	09...	1000	01101891	WG	6.5	272	16.1	2.2	--	--	--	--	--
		1001	01101892	WG	--	--	--	--	100	170	32.7	4.59	2
		1005	01101893	WG	6.5	272	16.1	2.2	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-29-11

Date	Alka-	Bicar-	Carbon-													Nitrate	Ortho-	Ortho-
	linity,	bonate,	ate,											+	phos-	phorus,		
	wat flt	wat flt	wat flt	Chlor-	Fluor-	Silica,			Ammonia	nitrite	Nitrite							
	inf tit	infl pt	Bromide	ide, inf pt	ide, water,	water, fltrd,	Sulfate	water, fltrd,	water, mg/L	water, fltrd,	water, fltrd,				phate,	water,		
	lab,	titr.,	water,	titr.,	water,	water,		water,	mg/L	mg/L	mg/L				water,	water,		
	CaCO <sub>3</sub>	mg/L	mg/L	mg/L	mg/L	mg/L	SiO <sub>2</sub>	mg/L	as N	as N	as N				mg/L	mg/L		
	(39087)	(29806)	(71870)	(29809)	(00940)	(00950)	(00955)	(00945)	(00608)	(00631)	(00613)				mg/L	mg/L		

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

AUG 2011  
09... 130 160 M .0 <5.0 .3 25.1 7.4 .130 <.020 <.01 .22 .240  
09... -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-29-11

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

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 11-29-11

Date	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, water, fltrd, ug/L (01057)	Vana- dium, water, fltrd, ug/L (01085)
------	--	--	---	--	--	--	--	--	--	--	--	---	---

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

AUG 2011  
09... <1.0 .06 <10 -- <5 -- 620 <.10 446 -- <.10 .5 <10 -- 182 -- .06 <5  
09... -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY      PROCESS DATE 11-29-11  
 MISCELLANEOUS STATION ANALYSES

		Arsen-	Arsen-				Di-	Mono-			
		Anti- mony, water, fltrd, ug/L (01090)	water, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (62453)	water, water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (62452)	Cyanide water, fltrd, ug/L (01020)	Selen- ium, water, fltrd, ug/L (00723)	arsin- ate, wat filt ug/L (01145)	arson- ate, wat filt ug/L (62455)	Organic carbon, water, fltrd, mg/L (62454)
Date											

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

AUG 2011

09...	--	--	4.5	--	3.4	--	--	--	<2.0	<3.2	--
09...	<5	<.10	--	8.0	--	<20	<.01	<.5	--	--	.5
09...	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- less than

> -- greater than

E -- estimated

M -- presence verified but not quantified