Montana Ground-Water Assessment Atlas No. 2, Part B, Map 1
December 2004

Montana Bureau of Mines and Geology
A Department of Montana Tech of The University of Montana

Data for Water Wells Visited during the Flathead Lake Area Ground-Water Characterization Study: Flathead, Lake, Sanders, and Missoula Counties

by

Larry Smith, John LaFave, Camela Carstarphan, Donald Mason, and Michael Richter

Note - this map was originally published at a scale of 1:250,000 but the page sizes have been modified to fit the size of the paper in your printer. A full sized 36" X 48" colored print of this map can be ordered from the Office of Publications and Sales of the Montana Bureau of Mines and Geology, 1300 West Park Street, Butte, MT 59701.
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Larry N. Smith, John I. LaFave, Camela A. Carstarphen, Donald C. Mason, and Michael G. Richter

Author's Note: This map is part of the Montana Bureau of Mines and Geology (MBMG) Ground-Water Assessment Atlas for the Flathead Lake Area ground-water characterization. It is intended to stand alone and describe a single hydrogeologic aspect of the study area, although many of the area's hydrogeologic features are interrelated. For an integrated view of the hydrogeology of the Flathead Lake Area the reader is referred to Part A (descriptive overview) and Part B (maps) of the Montana Ground-Water Assessment Atlas No. 2.

INTRODUCTION

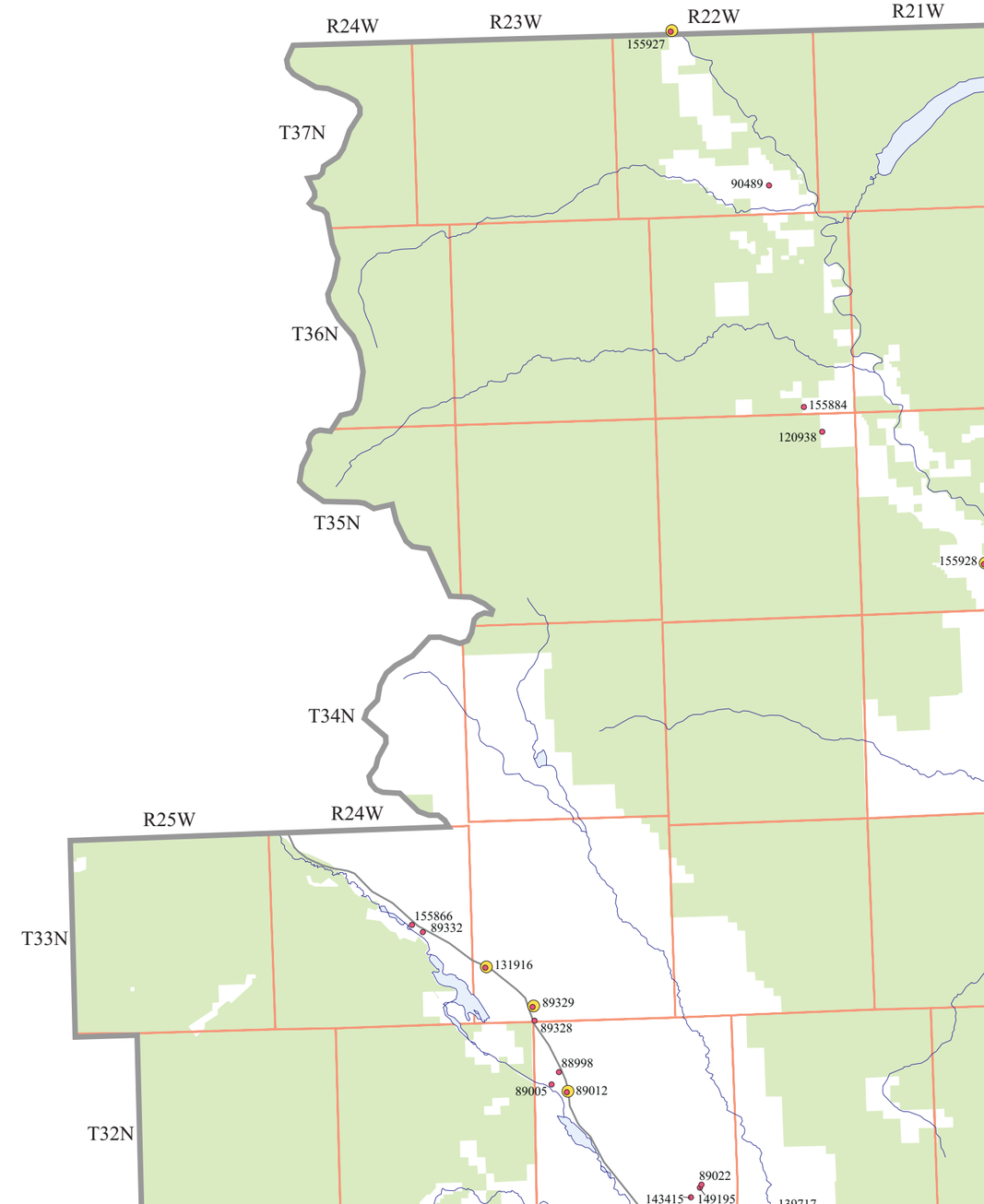
Visits to 984 water wells were completed by program staff as part of the Montana Ground-Water Characterization Program Flathead Lake Area study. The study area includes all of Flathead and Lake Counties and those parts of Sanders and Missoula Counties within the Flathead Indian Reservation. Most wells were visited between March and December 1996.

Wells to be visited were chosen from about 16,000 recorded wells to provide a representative geographic distribution across the significant aquifers. More wells completed in deeper geologic units (Pleistocene deep alluvium and stratified drift and Precambrian Belt rocks) were inventoried than were wells completed in shallow units (Holocene sand and gravel and Pleistocene outwash; table 1) because previous work provided substantial coverage for the shallower units (Konizeski and others, 1968; Noble and Stanford, 1986; King, 1988). Additionally, most wells drilled since the previous work was done were completed in the deep alluvial and bedrock units.

Data from more than 60 wells visited in the mid-1990's in the Little Bitterroot valley are also available (Abdo, 1997) but are not shown on this map. Data are sparse for federally owned lands (green areas on map) because few or no wells are located within the national forests, national parks, and wilderness areas that make up these lands.

Table 1. Summary of geologic distribution of wells.

Geologic Unit	Geologic Unit Codes	Inventoried Wells	Median Depth (ft)	Total Wells
Holocene sand and gravel	111ALVM	82	29	2,136
Pleistocene outwash	112OTSH	92	50	855
Pleistocene stratified drift	112DRFT	133	115	1,706
Pleistocene till	112TILL	19	12	153
Pleistocene lake silt and clay	112GLCC	3	162	120
Pleistocene lake deposits of Glacial Lake Missoula	112LKML	81	114	621
Pleistocene deep alluvium	112ALVM, 112LONE	269	208	4,515
Tertiary rocks	120SDMS, 124KSNN	12	158	77
Precambrian Belt Supergroup	400BELT, 400MSSL, 400RVLL, 400MCRB, 400PRCH	286	257	3,285
unknown		7		1,817
Totals		984		15,285



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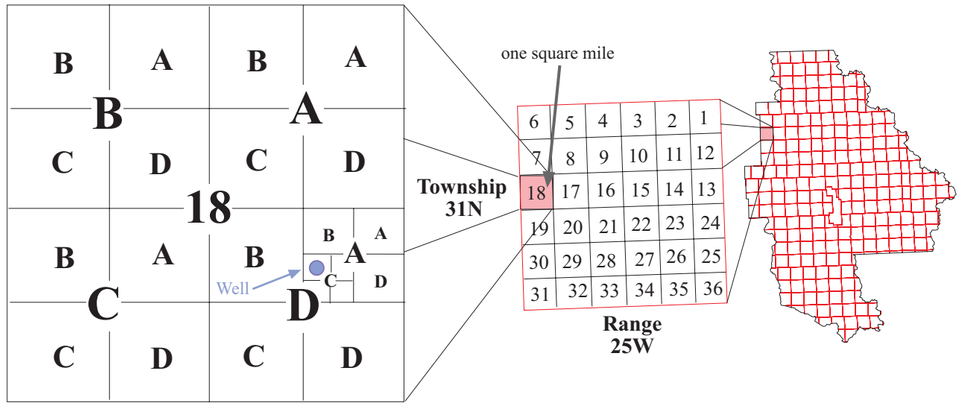
R20W R19W T37N T36N R18W R17W T35N T34N T33N R16W R15W R15W T32N

139939 146276 155339 155337 155338 88983 88937 127654 155344 87824

North Fork of the Flathead River

Lake McDonald

Middle



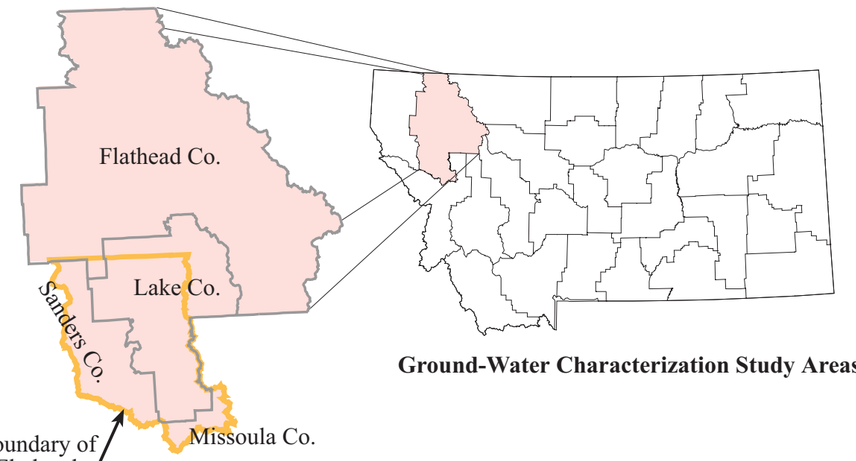
Section 18, DACB

Well Location System: *The location description begins with the township and range, followed by the section. The location of a well in a section is found by using a counterclockwise progression from largest to smallest quarters (tracts) within a section, designated by A's, B's, C's, and D's. This well is located in Township 31 N, Range 25 W, section 18, tract DACB.*

Explanation

- Visited well
- Sampled well
- 88998 Well identification number
- National Forest, Wilderness, and National Park lands
- Study area boundary
- Township boundary
- Major road
- Principal river or stream
- Lake or reservoir

Flathead Lake Area



Ground-Water Characterization Study Areas

GEOLOGIC UNITS

Geologic units for the completed interval of each well (tables 1, 2) were assigned by comparing the driller's lithologic log to a geologic framework devised for the area. The geologic framework was based on recent geologic mapping, interpretation of selected well logs, and revision of previous work (Konizeski and others, 1968; Boettcher, 1982; Slagle, 1988; Kendy and Tresch, 1996; and others cited therein). Relationships between geologic units and hydrologic units are more completely discussed on other maps in the atlas.

The sequence of geologic units in the area north of Flathead Lake generally includes (from younger/shallower to older/deeper): shallow alluvium (112OTSH and 111ALVM), glacial-lake deposits (112GLCC), till (112TILL), deep alluvium (112ALVM), sedimentary rocks (120SDMS and 124KSNN), and Belt Supergroup rocks (400-series rocks). The alluvial and glacial deposits represent deposition during one or more glacial advance and retreat cycles and during the postglacial time. South and west of Flathead Lake the basin-filling unconsolidated sediments are more heterogeneous than north of the lake. The sequence south and west of the lake includes shallow sand and gravel (111ALVM and 112OTSH), lake-deposited sediments of Glacial Lake Missoula and minor till (112LKML and 112TILL), and deep alluvium and the Lonepine alluvial aquifer (112ALVM and 112LONE).

Holocene sand and gravel (111ALVM) –
Sandy and gravelly alluvium along most river valleys (including the Evergreen aquifer between the Flathead and Whitefish Rivers).

Pleistocene outwash (112OTSH) –
Mostly gravel and some sand at or near the surface, deposited by glacial meltwater streams.

Pleistocene stratified drift (112DRFT) –
Water-transported and washed sand and gravel derived from glaciers and encased above and below by confining units, till (112TILL) and/or glacial-lake silt and clay (112GLCC).

Pleistocene lake-deposited deposits of Glacial Lake Missoula (112LKML) –
Gravel, sand, and clay deposited in Glacial Lake Missoula south and west of the present Flathead Lake. Contains coarse-grained beds that are aquifers at many depths, and fine-grained confining units. Includes the Mud Creek aquifer in the Mission valley (Makepeace and Mladenich, 1995).

Pleistocene till (112TILL) –
Poorly sorted mixture of gravel, sand, silt, and clay transported and deposited by glacial ice; includes few debris-flows deposited on alluvial fans near valley margins.

Pleistocene glacial-lake silt and clay (112GLCC) –
Accumulations of laminated silt and clay, few sand beds, and minor gravel; deposited in glacial lakes that were north of the Polson glacial moraine.

Pleistocene deep alluvium (112ALVM) –
Sandy and gravelly alluvium containing minor silt, mostly buried by confining units of till and glacial-lake silt and clay; deposited as stratified drift, outwash, and pre- or inter-glacial alluvium.

Pleistocene Lonepine alluvial aquifer (112LONE) –
Alluvium above bedrock and below glacial-lake confining unit in the Little Bitterroot River valley. Genetically and lithologically similar to 112ALVM.

Tertiary sedimentary and volcanic rocks (120SDMS, 124KSNN) –
Sandstones, siltstones, and minor volcanic rocks in the lower portions of Little Bitterroot River valley, Camas Prairie Basin, and White Earth Creek area (120SDMS); siltstones, sandstones, and few conglomerates and coals of the Kishenehn Formation in the valleys of the North, South, and Middle Forks of the Flathead River.

Belt Supergroup rocks (400BELT, 400MSSL, 400RVLL, 400MCRB, 400PRCH) –
Metamorphosed limestone, dolomite, siltstone, and sandstone; bedded rocks of the Missoula, Ravalli, Middle Belt carbonate, and Prichard units; these rocks have been folded, faulted, and fractured.

SITE VISITS

Visits to wells involved determining an accurate location, measuring the static water-level, pumping for about 30 minutes, and measuring the temperature, pH, and specific conductance of the water. Selected data for the visited wells are included in table 2; well locations and their Ground-Water Information Center (GWIC) identification numbers are shown on the map. Some wells could either not be pumped or access could not be gained to measure the water level, so some fields in table 2 are blank. Selected wells were sampled for full water-analyses (major ions and trace metals) or only for nitrate, as indicated in table 2.

DATA SOURCES

All inventory data and water-quality analysis results are available from the GWIC database at Montana Bureau of Mines and Geology (http://mbmggwic.mtech.edu). Land ownership, hydrography, public land survey, and road data were obtained from the Natural Resources Information System, Helena (http://nris.state.mt.us/).

ACKNOWLEDGMENTS

Well and property owners graciously gave permission to inventory the wells. In addition to the authors, well inventories were conducted by Carolyn Petrie, Brian Bixby, James Rose, Ginette Abdo, and Natural Resources Department staff of the Confederated Salish and Kootenai Tribe. Reviews of the map by Tom Patton, Edmond Deal, and Wayne Van Voast are appreciated.

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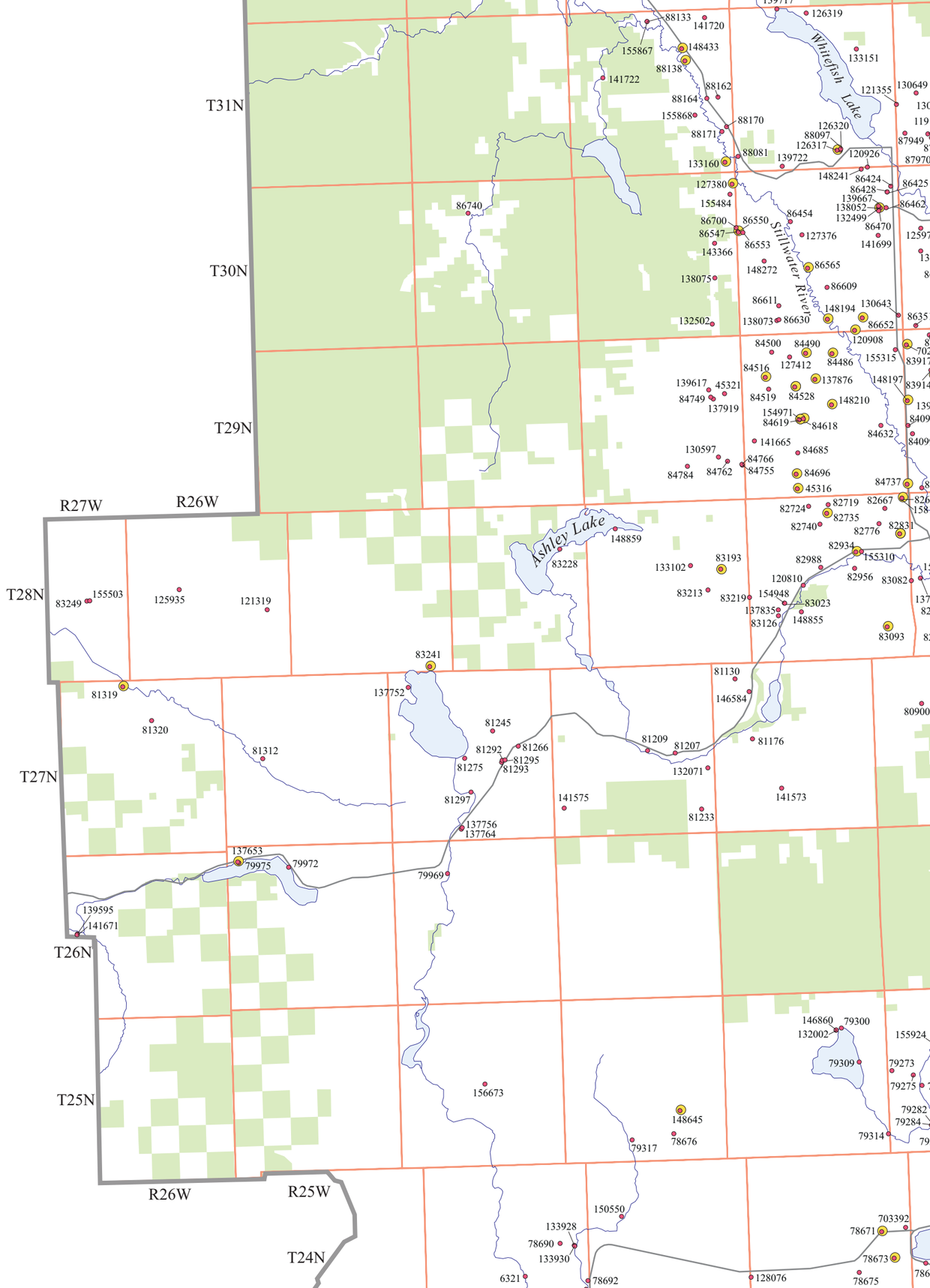

Flathead 7
Indian
Reservation

T31N

R14W

T30N

R13W

T29N

T28N

R12W

R11W

T27N

R10W

T26N

R11W

T25N

T24N

Fork of the Flathead River

Hungry Horse Reservoir

South Fork of the Flathead River

Flathead River

Flathead Lake

Swan River

N

Scale 1:250,000

0 5 10 15 miles

Universal Transverse Mercator Projection
Zone 11
Horizontal Datum NAD27

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Table 2. Well inventory data. Data are arranged in ascending township, range, and section order. Blank lines separate townships and gray lines separate ranges within townships; GWIC Id = Ground-Water Information Center identification number; Twn = township; Rng = range; Sec = section; Tr = tract; Alt = land-surface altitude (ft); TD = total depth (ft); SWL alt = static water-level altitude (ft); Temp °C = water temperature (centigrade); SC = specific conductivity (micro mhos); pH = acidity of water; Geologic Unit = geologic-unit code for well completion; Water Quality = type of analysis (blank = sample not collected).

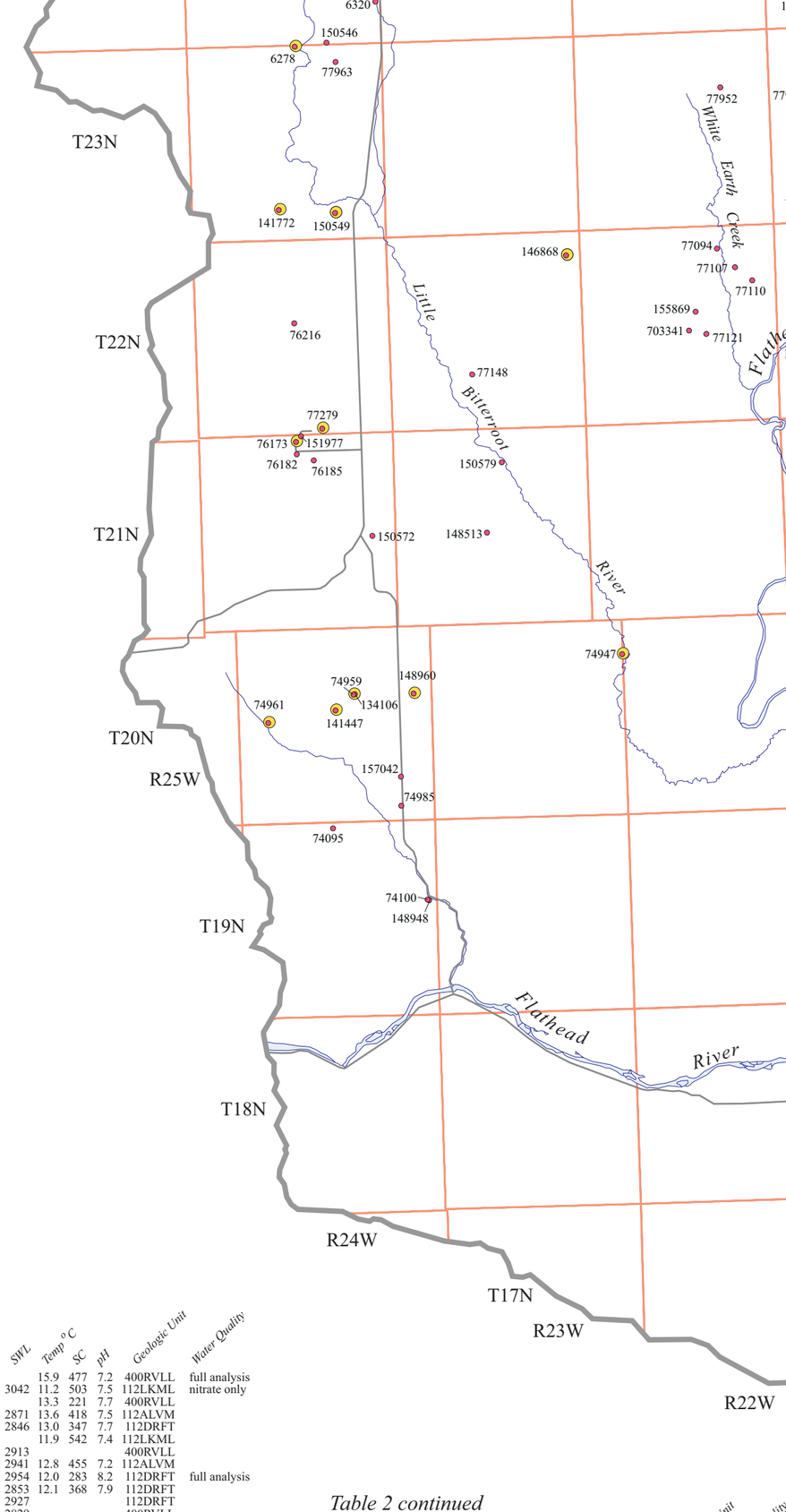
GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
71645	15N	19W	5	BACB	3920	300	3722	9.4	147	6.1	112DRFT	
71646	15N	19W	6	AADC	3740	135	3676	8.5	168	5.7	400MSSL	
121532	15N	20W	11	CDBB	3945	160	3931	8.1	87	7.6	400MSSL	
71664	15N	20W	12	CADC	3950	91	3922	8.7	18	6.8	112DRFT	
149563	15N	20W	13	DABC	4030	120	3957	8.2		7.2	112DRFT	
142301	15N	20W	23	DAAA	3990	58	3964	8.4	517	7.7	112DRFT	
71697	15N	20W	23	DABD	4020	145	3968	8.2	255	7.5	400MSSL	
157598	15N	20W	24	BCCB	3960	48	3925				112ALVM	
5994	15N	20W	24	CBBA	3955	42	3926	7.8		6.8	112ALVM	
132923	16N	19W	1	BBBC	3580	79	3534	8.5	208	6.9	112ALVM	
130499	16N	19W	6	DBDD	3215	200	3095	9.7	241	8.1	112DRFT	nitrate only
703168	16N	19W	8	ACBD	3300	307	3158				120SDMS	
131921	16N	19W	8	CAAB	3210	120	3168	8.4	300	8.2	112DRFT	nitrate only
72592	16N	19W	8	CAAB	3190	70	3139				112OTSH	
72601	16N	19W	9	BDCA	3415	144	3299	10.4	310	8.0	400MCRB	full analysis
703167	16N	19W	9	CDBA	3370	137	3251	8.2	211	8.3	112DRFT	full analysis
703178	16N	19W	16	ABAB	3385	147	3261	10.4	486	7.6	112DRFT	nitrate only
72658	16N	19W	20	CADA	3430	482	3348	10.4	240	7.7	112ALVM	full analysis
72657	16N	19W	20	CCCD	3435	139	3383	9.9		7.0	112DRFT	full analysis
72672	16N	19W	31	BBDB	3470	34	3464	9.0		7.0	112OTSH	
132926	16N	19W	32	ABAA	3817	220	3789	9.6		7.3	112DRFT	
72682	16N	20W	1	ABDB	3115	102	3046	8.8	239	8.2	112OTSH	nitrate only
154131	16N	20W	1	BACB	3095	140	3033	8.2	236	8.3	112DRFT	nitrate only
156250	16N	20W	2	BACB	3060	508	2988	10.8	471	7.8	400MSSL	nitrate only
141360	16N	20W	2	DDAC	3075	100	3015	11.8	301	7.4	112OTSH	nitrate only
72696	16N	20W	3	DBBC	3190	294	3136	14.8	150	6.4	400MSSL	nitrate only
146821	16N	20W	11	ABDD	3090	154	3035	11.8		7.1	112DRFT	nitrate only
703185	16N	20W	11	DBDC	3085	66	3045				112OTSH	
72742	16N	20W	12	AAAD	3110	49	3094	8.0	272	8.0	112OTSH	full analysis
72743	16N	20W	12	ADAA	3095	59	3089	9.3	252	6.7	112DRFT	nitrate only
132927	16N	20W	13	AAAC	3180	96	3133	11.0	248	7.2	112DRFT	nitrate only
143213	16N	20W	13	AAAC	3180	78	3135	10.3	245	7.1	112OTSH	full analysis
72755	16N	20W	13	CCCC	3200	50	3161	9.9	451	7.8	112OTSH	
72762	16N	20W	15	BDAA	3585	208	3546	9.4	230	8.5	400MSSL	
72766	16N	20W	24	BABC	3195	40	3190				112OTSH	
148117	16N	20W	24	DAAA	3270	160	3225	9.7	177	7.0	112DRFT	nitrate only
137547	17N	19W	31	DCAA	3085	162	3047	10.8	559	6.4	120SDMS	
6011	17N	20W	5	BBAA	2700	50	2694	9.2	269	7.9	112OTSH	
157592	17N	20W	16	DCAB	2810	27	2795	10.9	382	7.7	112OTSH	
6012	17N	20W	18	DBAD	2915	70	2887	14.0	1130	7.4	400RVLL	
157593	17N	20W	19	ACBA	2960	340	2897				400RVLL	
157595	17N	20W	20	CABB	2985	100	2943	11.6	724	7.2	112OTSH	
157594	17N	20W	20	CABC	2990	100	2942	12.0	830	7.2	112OTSH	
703190	17N	20W	20	CABC	2990	43	2927	11.4	797	5.9	112OTSH	
73066	17N	20W	20	DDAC	2960	200	2870	10.6	565	7.5	400PRCD	full analysis
703193	17N	20W	21	BABC	2810	44	2803				112OTSH	
703194	17N	20W	21	BDAA	2820	41	2814				112OTSH	
157596	17N	20W	21	CADB	2860	120	2819	11.8	459	7.6	112OTSH	
73069	17N	20W	21	DBDA	2835	40	2828	10.3	250	8.0	112OTSH	
146824	17N	20W	24	CCDA	3100	260		13.4	315	7.6	120SDMS	
157470	17N	20W	25	BCCC	2980	85	2931	12.6	338	7.8	112OTSH	
73080	17N	20W	25	DACC	3090	200	3010	12.2	248	7.5	120SDMS	
73093	17N	20W	26	DCDD	2945	59	2936	8.5	232	8.2	112OTSH	
131923	17N	20W	28	BCCA	2970	150	2859				120SDMS	
73099	17N	20W	28	BCDA	2980	216	2831	12.5	401	7.8	400MSSL	
73053	17N	20W	35	ADCC	2985	52	2968	8.5	234	8.2	112OTSH	
157464	17N	20W	36	BCCB	2980	38	2968	8.7	264	8.0	112OTSH	full analysis
73346	18N	19W	4	BBCC	3130	110	3064				112LKML	
157587	18N	19W	4	BCBC	3130	118	3070	11.0	172	8.1	112LKML	
6020	18N	19W	4	DDAD	3300	484	3057	10.2	275	8.0	400RVLL	
73348	18N	19W	5	AADA	3130	140	3064	10.2	228	8.2	112LKML	full analysis
154138	18N	19W	6	BCBC	2920	81		10.5	300	8.0	112LKML	
73376	18N	19W	17	BCCB	3115	251	2939	10.7	281	7.9	112LKML	
157588	18N	19W	19	ADDD	3090	150	3068	9.3	326	8.1	112LKML	
157589	18N	19W	20	ACAD	3155	7	3149				111ALVM	
157590	18N	19W	20	ACAD	3170	120	3104	9.5	511	7.3	112LKML	
73396	18N	19W	20	DBAA	3185	460	3168	11.6	325	7.5	112ALVM	
157591	18N	19W	21	BBDB	3240	305	3182				400RVLL	
130504	18N	19W	21	DACA	3390	160	3388	8.7	328	7.7	400RVLL	full analysis
6024	18N	19W	28	CCDB	3360	147	3259				112OTSH	

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
141445	20N	20W	28	BABB	2990	284	2981	11.4	480	8.0	400RVLL	
74900	20N	20W	28	DADC	3005	48	3006				112LKML	
74899	20N	20W	28	DADC	3010	36	3005				112LKML	
156670	20N	20W	28	DADC	3010	387	2867	12.5	368	8.1	400RVLL	nitrate only
74901	20N	20W	29	DADB	2955	452	2831	13.5	873	7.9	112ALVM	
122694	20N	20W	30	BAAA	2980	502	2871	12.9	507	8.1	112ALVM	
74913	20N	20W	33	BABA	2985	446	2864				112LKML	
74917	20N	20W	34	AAAB	3025	91	2946	10.8	1037	7.4	112LKML	nitrate only
74916	20N	20W	34	AABA	3022	400	2912	11.8	261	7.9	112ALVM	
74921	20N	21W	13	CDDD	2980	407	2867	11.2	576	7.9	112ALVM	
74924	20N	21W	13	DDDB	3000	389	2889	11.2	562	7.9	400RVLL	
157584	20N	21W	16	BDAC	2840	460	2631	14.9	727	7.8	400RVLL	
157585	20N	21W	24	CDDA	2985	500	2891				400RVLL	
703279	20N	21W	27	DDAD	2975	90		11.0	365	8.0	112LKML	
157583	20N	21W	27	DDDB	2980	580		16.5	265	7.5	400RVLL	nitrate only
157586	20N	21W	27	DDDD	2975	120	2950	11.0	362	8.1	112LKML	
74931	20N	21W	31	AABA	2675	318	2645	13.3	855	7.8	112ALVM	
152734	20N	21W	31	DCCD	2650	141	2539	12.4	542	7.6	112LKML	
143223	20N	21W	32	BAAA	2705	200	2543	11.3	345	7.8	112LKML	
74947	20N	23W	12	AAAA	2700	280		11.9	332	7.8	112LONE	full analysis
148960	20N	24W	13	BAAB	2850	92	2786	13.0	290	7.9	112ALVM	full analysis
134106	20N	24W	15	ABBA	2840	175	2826				112ALVM	
74959	20N	24W	15	ABBA	2835	43	2813	11.5	305	7.2	111ALVM	full analysis
141447	20N	24W	15	CBBB	2835	500	2794	13.8	191	8.7	120SNGR	full analysis
74961	20N	24W	18	DDAC	3100	285			192	7.2	400RVLL	full analysis
157042	20N	24W	26	DAAD	2827	60	2796	12.3	489	7.8	112DRFT	
74985	20N	24W	35	DAAA	2820	35	2794	10.2	205	7.6	111ALVM	
75788	21N	19W	5	AAAB	3255	66	3222				112LKML	
75789	21N	19W	5	AAAC	3255	500	3176	12.0	210	8.2	400RVLL	
157485	21N	19W	5	CDDC	3130	130	3116	9.0	292	8.0	112LKML	
75800	21N	19W	6	ABBC	3127	264	3038	10.5	162	6.9	112LKML	
122698	21N	19W	7	BABB	3095	300	3063	11.0	182	7.1	112ALVM	
75818	21N	19W	8	CDDC	3160	121	3085	10.9	285	7.8	112LKML	
141455	21N	19W	9	DBBD	3490	206	3395	10.2	128	6.6	400RVLL	nitrate only
75835	21N	19W	16	BDCC	3430	390	3134	12.2	333	7.7	112ALVM	
75838	21N	19W	16	CCDD	3390	382	3093	10.6	326	7.8	400RVLL	
75841	21N	19W	17	ADDD	3365	470	3080	10.0	181	7.7	400RVLL	
146847	21N	19W	17	DCBC	3285	275	3266	9.9	280	7.6	112ALVM	
141456	21N	19W	18	DDAA	3111	60	3083	10.2	283	7.9	112OTSH	
148796	21N	19W	20	ACDA	3305	374		8.6	200	7.6	112ALVM	
75873	21N	19W	21	BDCD	3370	37	3339	7.6	69	6.8	112OTSH	
127147	21N	19W	28	DCBD	3340	282	3247	11.0	135	7.8	112ALVM	full analysis
139310	21N	19W	32	CCDB	3105	79	3067	8.4	172	8.3	112LKML	
146839	21N	19W	33	BDAA	3270	50	3238	10.2	94	6.7	112OTSH	
146842	21N	19W	33	BDDA	3265	220	3201	9.3	189	7.2	112LKML	
75911	21N	20W	1	BAAA	3110	456	3043	12.9	119	7.2	112LKML	
75929	21N	20W	1	DDCB	3090	28	3072				112OTSH	
75947	21N	20W	2	DDCA	3090	605	3047				400BELT	
75956	21N	20W	5	CBBB	3135	210	3014	12.5	450	7.9	400RVLL	
75955	21N	20W	5	CBBB	3135	265	3009	11.0	402	8.0	400RVLL	
75960	21N	20W	7	CCDC	3140	200	3055	11.7	528	7.7	400RVLL	
75961	21N	20W	8	DAAB	3120	345	3033	11.5	225	8.2	112ALVM	
132368	21N	20W	11	DCAD	3055	379	3052	12.3	168	7.7	112ALVM	full analysis
131948	21N	20W	11	DCDD	3055	23	3045	13.1	520	7.4	112OTSH	nitrate only
76003	21N	20W	12	CABB	3070	28	3058	11.7	290	7.0	112OTSH	
76004	21N	20W	12	CCCC	3060	24	3048	10.4	389	6.9	112OTSH	nitrate only
76009	21N	20W	15	AAAD	3055	398	3053	11.4	174	7.6	112ALVM	
157047	21N	20W	15	AABC	3070	14	3069	12.0	369	7.7	112OTSH	
76012	21N	20W	15	BBBC	3090	356	3029	12.4	278	7.9	112ALVM	
76014	21N	20W	16	DAAD	3085	310	3034	12.7	338	7.9	112ALVM	full analysis
703291	21N	20W	17	BCBB	3077		2994	12.6	499	7.7	112SNGR	full analysis
703292	21N	20W	19	BCBC	3080	329	3006				112ALVM	
76024	21N	20W	20	DCCD	3065	520	3003	12.2		7.9	400RVLL	full analysis
76028	21N	20W	21	BAAA	3064	279	3031				112LKML	
156671	21N	20W	21	DCDB	3045	525	3036	11.9	227	8.3	112ALVM	
139313	21N	20W	22	BCBD	3035	420	3054	10.7	316	7.3	112ALVM	
148511	21N	20W	22	BCCA	3035	43	3029	10.5	518	7.4	112OTSH	full analysis
76040	21N	20W	23	BADD	3020	354	3105	10.4	196	7.6	112ALVM	
76048	21N	20W	24	CAAA	3070	300	3062				112LKML	
76049	21N	20W	24	CAAA	3070	302	3062				112LKML	
76059	21N	20W	25	BDDC	3065	308	3060	11.9	221	8.1	112LKML	
76140	21N	20W	25	DDDC	3065	20	3048				111ALVM	

Table 2 continued

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
148572	22N	21W	1	DCDC	3215	800		15.9	477	7.2	400RVLL	full analysis
133897	22N	21W	2	ADAC	3185	205	3042	11.2	503	7.5	112LKML	nitrate only
122706	22N	21W	22	CCDC	3070	410		13.3	221	7.7	400RVLL	
150710	22N	21W	23	ABBD	3165	527	2871	13.6	418	7.5	112ALVM	
148573	22N	21W	23	BBCB	3085	285	2846	13.0	347	7.7	112DRFT	
77053	22N	21W	23	BCCC	3035	28		11.9	542	7.4	112LKML	
77056	22N	21W	24	BCDD	3170	998	2913				400RVLL	
77059	22N	21W	24	DCDD	3090	292	2941	12.8	455	7.2	112ALVM	
77061	22N	21W	25	DDAD	3020	138	2954	12.0	283	8.2	112DRFT	full analysis
703334	22N	21W	26	ABBB	3010	290	2853	12.1	368	7.9	112DRFT	
77064	22N	21W	26	DADD	2970	130	2927				112DRFT	
133899	22N	21W	28	DDDD	2935	600	2829				400RVLL	
703335	22N	21W	29	ADDD	2920	639	2791	17.8	531	7.5	400RVLL	full analysis

Table 2 continued



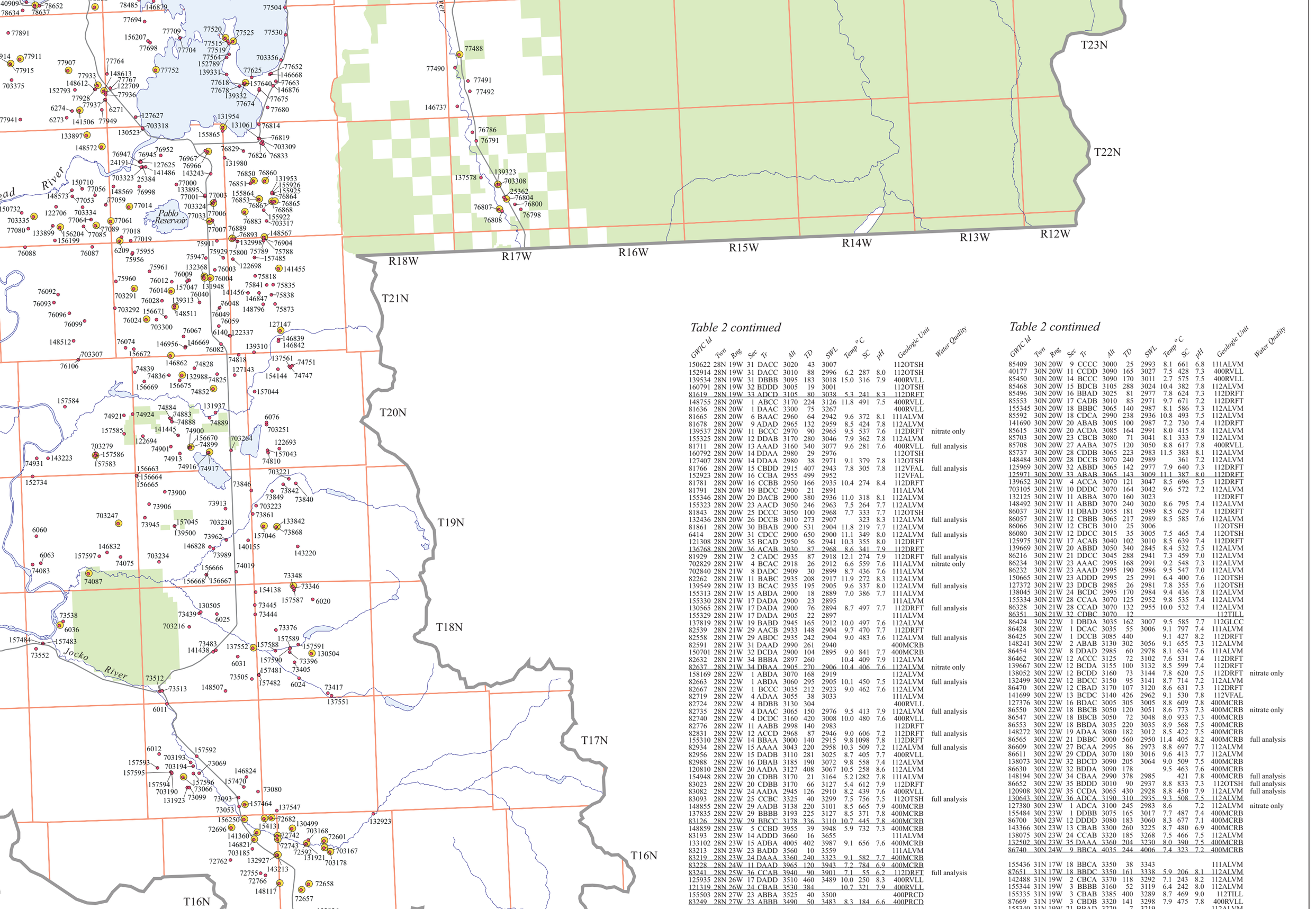


Table 2 continued

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
150622	28N	19W	31	DACC	3020	43	3007				112OTSH	
152914	28N	19W	31	DACC	3010	88	2996	6.2	287	8.0	112OTSH	
139534	28N	19W	31	DBBB	3095	183	3018	15.0	316	7.9	400RVLL	
160791	28N	19W	32	BDDD	3005	19	3001				112OTSH	
81619	28N	19W	33	ADCD	3105	80	3038	5.3	241	8.3	112DRFT	
148755	28N	20W	1	ABCC	3170	224	3126	11.8	491	7.5	400RVLL	
81636	28N	20W	1	DAAC	3300	75	3267				400RVLL	
81665	28N	20W	6	BAAC	2960	64	2942	9.6	372	8.1	111ALVM	
81678	28N	20W	9	ADAD	2965	132	2959	8.5	424	7.8	112ALVM	
139537	28N	20W	11	BCCC	2970	90	2965	9.5	537	7.6	112DRFT	nitrate only
155325	28N	20W	12	DDAB	3170	280	3046	7.9	362	7.8	112ALVM	
81711	28N	20W	13	AAAD	3160	340	3077	9.6	281	7.6	400RVLL	full analysis
160792	28N	20W	14	DDAA	2980	29	2976				112OTSH	
127407	28N	20W	14	DDAA	2980	38	2971	9.1	379	7.8	112OTSH	
81766	28N	20W	15	CBDD	2915	407	2943	7.8	305	7.8	112VFAL	full analysis
152923	28N	20W	16	CCBA	2955	499	2952				112VFAL	
81781	28N	20W	16	CCBB	2950	166	2935	10.4	274	8.4	112DRFT	
81791	28N	20W	19	BDCC	2900	21	2891				111ALVM	
155346	28N	20W	20	DACB	2900	380	2936	11.0	318	8.1	112ALVM	
155323	28N	20W	23	AACD	3050	246	2963	7.5	264	7.7	112ALVM	
81843	28N	20W	25	DCCC	3050	100	2968	7.7	333	7.7	112OTSH	
132436	28N	20W	26	DCCB	3010	273	2907		323	8.3	112ALVM	full analysis
81861	28N	20W	30	BBAB	2900	531	2904	11.8	219	7.7	112ALVM	
6414	28N	20W	31	CDCC	2900	650	2900	11.1	349	8.0	112ALVM	full analysis
121308	28N	20W	35	BCAD	2950	56	2941	10.3	355	8.0	112DRFT	
136768	28N	20W	36	ACAB	3030	87	2968	8.6	341	7.9	112DRFT	
81929	28N	21W	2	CADC	2935	87	2918	12.1	274	7.9	112DRFT	full analysis
702829	28N	21W	4	BCAC	2918	26	2912	6.6	559	7.6	111ALVM	nitrate only
702840	28N	21W	8	DADC	2909	30	2899	8.7	436	7.6	111ALVM	
82262	28N	21W	11	BABC	2935	208	2917	11.9	272	8.3	112ALVM	
139549	28N	21W	13	BCAC	2935	195	2905	9.6	337	8.0	112ALVM	full analysis
155313	28N	21W	15	ABDA	2900	18	2889	7.0	386	7.7	111ALVM	
155330	28N	21W	17	DADA	2900	23	2895				111ALVM	
130565	28N	21W	17	DADA	2900	76	2894	8.7	497	7.7	112DRFT	full analysis
155329	28N	21W	17	DADA	2905	22	2897				111ALVM	
137819	28N	21W	19	BABD	2945	165	2912	10.0	497	7.6	112ALVM	
82539	28N	21W	29	AACB	2933	148	2904	9.7	470	7.7	112DRFT	
82558	28N	21W	29	ABDC	2935	242	2904	9.0	483	7.6	112ALVM	full analysis
82591	28N	21W	31	DAAD	2990	261	2940				400MCRB	
150701	28N	21W	32	DCDA	2900	104	2895	9.0	841	7.7	400MCRB	
82632	28N	21W	34	BBBA	2897	260		10.4	409	7.9	112ALVM	
82637	28N	21W	34	DBAA	2905	270	2906	10.4	406	7.6	112ALVM	nitrate only
158169	28N	22W	1	ABDA	3070	168	2919				112ALVM	
82663	28N	22W	1	ABDA	3060	295	2905	10.1	450	7.5	112ALVM	full analysis
82667	28N	22W	1	BCCC	3035	212	2923	9.0	462	7.6	112ALVM	
82719	28N	22W	4	ADAA	3055	38	3033				111ALVM	
82724	28N	22W	4	BDBB	3130	304					400RVLL	
82735	28N	22W	4	DAAC	3065	150	2976	9.5	413	7.9	112ALVM	full analysis
82740	28N	22W	4	DCDC	3160	420	3008	10.0	480	7.6	400RVLL	
82776	28N	22W	11	AABB	2998	140	2983				112DRFT	
82831	28N	22W	12	ACCD	2968	87	2946	9.0	606	7.2	112DRFT	full analysis
155310	28N	22W	14	BBAA	3000	140	2915	9.8	1098	7.8	112DRFT	
82934	28N	22W	15	AAAA	3043	220	2958	10.3	509	7.2	112ALVM	full analysis
82956	28N	22W	15	DADB	3110	281	3025	8.7	405	7.7	400RVLL	
82988	28N	22W	16	DBAB	3185	190	3072	9.8	558	7.4	112ALVM	
120810	28N	22W	20	AADA	3127	408	3067	10.5	258	8.6	112ALVM	
154948	28N	22W	20	CDBB	3170	21	3164	5.2	1282	7.8	111ALVM	
83023	28N	22W	20	CDBB	3170	66	3127	5.4	612	7.9	112DRFT	
83082	28N	22W	24	AADA	2945	126	2910	8.2	439	7.6	400RVLL	
83093	28N	22W	25	CCBC	3325	40	3299	7.5	756	7.5	112OTSH	full analysis
148855	28N	22W	29	AADB	3138	220	3101	8.5	665	7.9	400MCRB	
137835	28N	22W	29	BBBB	3193	225	3127	8.5	371	7.8	400MCRB	
83126	28N	22W	29	BBCC	3178	336	3110	10.7	445	7.8	400MCRB	
148859	28N	23W	5	CCBD	3955	39	3948	5.9	732	7.3	400MCRB	
83193	28N	23W	14	ADDD	3660	16	3655				111ALVM	
133102	28N	23W	15	ADBA	4005	402	3987	9.1	656	7.6	400MCRB	
83213	28N	23W	23	BADD	3560	10	3559				111ALVM	
83219	28N	23W	24	DAAA	3360	240	3323	9.1	582	7.7	400MCRB	
83228	28N	24W	11	DAAD	3965	120	3943	7.2	784	6.9	400MCRB	
83241	28N	25W	36	CCAB	3940	90	3901	7.1	55	6.2	112DRFT	full analysis
125935	28N	26W	17	DADD	3510	460	3489	10.0	250	8.3	400RVLL	
121319	28N	26W	24	CBAB	3530	384		10.7	321	7.9	400RVLL	
155503	28N	27W	23	ABBA	3525	40	3500				400PRCD	
83249	28N	27W	23	ABBB	3490	50	3483	8.3	184	6.6	400PRCD	

Table 2 continued

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
85409	30N	20W	9	CCCC	3000	25	2993	8.1	661	6.8	111ALVM	
40177	30N	20W	11	CCDD	3090	165	3027	7.5	428	7.3	400RVLL	
85450	30N	20W	14	BCCC	3090	170	3011	2.7	575	7.5	400RVLL	
85468	30N	20W	15	BDCB	3105	288	3024	10.4	382	7.8	112ALVM	
85496	30N	20W	16	BBAD	3025	81	2977	7.8	624	7.3	112DRFT	
85553	30N	20W	17	CADB	3010	85	2971	9.7	671	7.2	112DRFT	
155345	30N	20W	18	BBBC	3065	140	2987	8.1	586	7.3	112ALVM	
85592	30N	20W	18	CDCA	2990	238	2936	10.8	493	7.5	112ALVM	
141690	30N	20W	20	ABAB	3005	100	2987	7.2	730	7.4	112DRFT	
85615	30N	20W	20	ACDA	3085	164	2991	8.0	415	7.8	112ALVM	
85703	30N	20W	23	CBCB	3080	71	3041	8.1	333	7.9	112ALVM	
85708	30N	20W	27	AABA	3075	120	3050	8.8	617	7.8	400RVLL	
85737	30N	20W	28	CDDB	3065	223	2983	11.5	383	8.1	112ALVM	
148484	30N	20W	28	DCCB	3070	240	2989		361	7.2	112ALVM	
125969	30N	20W	32	ABBD	3065	142	2977	7.9	640	7.3	112DRFT	
125971	30N	20W	33	ABAB	3065	143	3009	11.1	387	8.0	112DRFT	
139652	30N	21W	4	ACCA	3070	121	3047	8.5	696	7.5	112DRFT	
703105	30N	21W	10	DDDC	3070	164	3042	9.6	572	7.2	112ALVM	
132125	30N	21W	11	ABBA	3070	160	3023				112DRFT	
148492	30N	21W	11	ABBD	3070	240	3020	8.6	795	7.4	112ALVM	
86037	30N	21W	11	DBAD	3055	181	2989	8.5	629	7.4	112DRFT	
86057	30N	21W	12	CBBB	3065	217	2989	8.5	585	7.6	112ALVM	
86066	30N	21W	12	CBCB	3010	25	3006				112OTSH	
86080	30N	21W	12	DDCC	3015	35	3005	7.5	465	7.4	112OTSH	
125975	30N	21W	17	ACAB	3040	102	3010	8.5	639	7.4	112DRFT	
139669	30N	21W	20	ABBD	3050	340	2845	8.4	532	7.5	112ALVM	
86216	30N	21W	21	DDCC	3045	288	2941	7.3	459	7.0	112ALVM	
86234	30N	21W	23	AAAC	2995	168	2991	9.2	548	7.3	112ALVM	
86232	30N	21W	23	AAAD	2995	190	2986	9.5	547	7.0	112ALVM	
150665	30N	21W	23	ADDD	2995	25	2991	6.4	400	7.6	112OTSH	
127372	30N	21W	23	DDCB	2985	26	2981	7.8	355	7.6	112OTSH	
138045	30N	21W	24	BCDC	2995	170	2984	9.4	436	7.8	112ALVM	
155334	30N	21W	28	CCAA	3070	125	2952	9.8	535	7.4	112ALVM	
86328	30N	21W	28	CCAD	3070	132	2955	10.0	532	7.4	112ALVM	
86351	30N	21W	32	CDBC	3070	12					112TILL	
86424	30N	22W	1	DBDA	3035	162	3007	9.5	585	7.7	112GLCC	
86428	30N	22W	1	DCAC	3035	55	3006	9.1	797	7.4	111ALVM	
86425	30N	22W	1	DCCB	3085	440		9.1	427	8.2	112DRFT	
148241	30N	22W	2	ABAB	3130	302	3056	9.1	655	7.3	112ALVM	
86454	30N	22W	8	DDAD	2985	60	2978	8.1	634	7.6	111ALVM	
86462	30N	22W	12	ACCC	3125	72	3102	7.6	531	7.4	112DRFT	
139667	30N	22W	12	BCDA	3155	100	3132	8.5	599	7.4	112DRFT	
138052	30N	22W	12	BCDD	3160	73	3144	7.8	620	7.5	112DRFT	nitrate only
132499	30N	22W	12	BDCC	3150	95	3141	8.7	714	7.2	112ALVM	
86470	30N	22W	12	CBAD	3170	107	3120	8.6	631	7.3	112DRFT	
141699	30N	22W	13	BCDC	3140	426	2962	9.1	530	7.8	112VFAL	
127376	30N	22W	16	BDAC	3005	305	3005	8.8	609	7.8	400MCRB	
86550	30N	22W	18	BBCB	3050	120	3051	8.6	773	7.3	400MCRB	nitrate only
86547	30N	22W	18	BBCB	3050	72	3048	8.0	933	7.3	400MCRB	
86553	30N	22W	18	BBDA	3035	220	3035	8.9	568	7.5	400MCRB	
148272	30N	22W	19	ADAA	3080	182	3012	8.5	422	7.5	400MCRB	
86565	30N	22W	21	DBBC	3000	560	2950	11.4	405	8.2	400MCRB	full analysis
86609	30N	22W	27	BCAA	2995	86	2973	8.8	697	7.7	112ALVM	
86611	30N	22W	29	CDDA	3070	180	3016	9.6	413	7.7	112ALVM	
138073	30N	22W	32	BDCD	3090	205	3064	9.0	509	7.5	400MCRB	
86630	30N	22W	32	BDDA	3090	178		9.5	463	7.6	400MCRB	
148194	30N	22W	34	CBAA	2990	378	2985		421	7.8	400MCRB	full analysis
86652	30N	22W	35	BDDD	3010	90	2937	8.8	833	7.3	112OTSH	full analysis
120908	30N	22W	35	CCDA	3065	430	2928	8.8	450	7.9	112ALVM	full analysis
130643	30N	22W	36	ADCA	3190	310	2935	9.3	508	7.5	112ALVM	
127380	30N	23W	1	ADCA	3100	245	2983	8.6		7.2	112ALVM	nitrate only
155484	30N	23W	1	DDBB	3075	165	3017	7.7	487	7.4	400MCRB	
86700	30N	23W	12	DDDD	3080	183	3060	8.3	677	7.1	400MCRB	
143366	30N	23W	13	CBAB	3300	260	3225	8.7	480	6.9	400MCRB	
138075	30N	23W	24	CCAB	3320	185	3268	7.5	466	7.5	112ALVM	
132502	30N	23W	35	DAAA	3360	204	3230	8.0	390	7.5	400MCRB	
86740	30N	24W	9	BBCA	4035	244	4006	7.4	323	7.2	400MCRB	
155436	31N	17W	18	BBCA	3350	38	3343				111ALVM	
87651	31N	17W	18	BBDC	3350	161	3338	5.9	206	8.1	112ALVM	
142488	31N	19W	2	CBCA	3370	118	3292	7.1	243	8.2	112ALVM	
155344	31N	19W	3	BBBB	3160	52	3119	6.4	242	8.0	112ALVM	
155335	31N	19W	3	CBAB	3385	400	3289	8.7	469	9.0	112TILL	
87669	31N	19W	3	CBDB	3320	141	3298	7.9	475	7.8	400RVLL	
155340	31N	19W	21	BBAD	3270	7	3219				112ALVM	

GWI	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp	SC	pH	Geol	Wate
6024	18N	19W	28	CCDB	3300	147	3239				112OTSH	
73405	18N	19W	29	AAAD	3270	90	3253	11.5	512	7.3	112OTSH	
157482	18N	19W	30	CBCB	3080	85	3073				112OTSH	
157481	18N	19W	30	CBCC	3080	650	2979	13.7	416	7.6	400RVLL	
73417	18N	19W	34	DCBA	3620	338	3428	9.0	130	8.5	400RVLL	
137551	18N	19W	34	DDCB	3660	240	3450	8.7	156	8.5	112ALVM	
6025	18N	20W	10	ADDA	2810	53	2780	10.4	439	7.8	112LKML	
130505	18N	20W	10	BCAB	2755	83	2748	9.6	295	8.1	112LKML	
73439	18N	20W	10	BCBC	2750	80	2744				112LKML	
73445	18N	20W	12	AAAA	2950	80	2898				112LKML	
73444	18N	20W	12	DAAA	2975	94	2907	10.8	315	8.0	112LKML	
703216	18N	20W	16	ABBB	2805	100	2747	11.7	514	7.6	112LKML	
141438	18N	20W	22	ACDA	2940	405	2909	15.7	554	7.8	400MCRB	
73483	18N	20W	22	ADBA	2930	92	2894	11.2	665	7.6	112LKML	
6031	18N	20W	23	DADA	2960	162	2951				400MCRB	
137552	18N	20W	24	ADBB	2985	80	2969	9.5	216	6.3	112OTSH	full analysis
73505	18N	20W	25	DCAC	3150	150	3153				112LKML	
73513	18N	20W	31	ADAD	2710	50	2692	11.0	336	7.7	112OTSH	
73512	18N	20W	31	ADBD	2700	45	2692	9.8	295	7.9	112OTSH	
148507	18N	20W	35	BDCC	3580	60	3560				400RVLL	
73538	18N	21W	8	DAAA	2555	90	2529	12.0	476	7.8	112LKML	
6036	18N	21W	8	DDBB	2540	450		13.0	444	7.8	400PRCD	full analysis
73552	18N	21W	18	CDDA	2665	300	2549	13.8	1257	7.5	120SDMS	
157483	18N	21W	18	DACA	2517	51	2507	11.0	601	7.5	112OTSH	
157484	18N	21W	18	DACA	2517	140	2507				112LKML	
73840	19N	19W	4	CDBA	3300	325	3174	11.6	193	8.4	400RVLL	
703221	19N	19W	5	DAAA	3145	98	3082	12.6	255	7.9	112LKML	
73842	19N	19W	5	DCAB	3090	114	3013	12.0	262	7.9	112LKML	
73846	19N	19W	6	CCCC	3030	230	2872	9.1	224	8.0	112ALVM	
703223	19N	19W	7	CCAD	2850	200	2842	10.6	246	7.5	112ALVM	
73849	19N	19W	8	BBCA	2990	200	2897	10.7	309	7.9	400RVLL	
73861	19N	19W	18	BCBB	2840	36	2820	10.7	283	7.9	112OTSH	
157046	19N	19W	18	DCCD	2820	36	2820	11.5	428	7.6	112OTSH	full analysis
133842	19N	19W	20	BBAA	2890	90	2859				112LKML	
73868	19N	19W	20	BBAA	2890	321	2857	13.0	178	8.2	112LKML	full analysis
143220	19N	19W	28	BABA	3140	160	3069	10.8	156	7.1	112LKML	
73900	19N	20W	5	CDDD	2925	490	2843	12.1	269	8.0	112ALVM	
156664	19N	20W	6	BBBC	2925	20	2919				112LKML	
156663	19N	20W	6	BBBC	2925	19	2919				112LKML	
156665	19N	20W	6	BBBC	2925	41	2918				112LKML	
73906	19N	20W	7	DBAC	2900	495	2800	12.4	283	7.8	112ALVM	
73913	19N	20W	11	DCDC	2970	286	2841	10.0	344	8.1	112LKML	
703230	19N	20W	14	CDDD	2790	162	2779	10.1	296	8.1	112LKML	
157045	19N	20W	17	DDAB	2900	28	2893	9.8	1466	7.4	112LKML	
139500	19N	20W	17	DDAB	2900	432	2743	12.6	231	8.3	112ALVM	
73945	19N	20W	18	BDAB	2885	477	2748	12.7	303	8.0	112ALVM	
146828	19N	20W	22	DCDA	2730	92	2720	11.6	250	8.2	112OTSH	
73962	19N	20W	23	DBBD	2730	57	2748	10.5	267	8.2	112OTSH	
140155	19N	20W	24	DBDA	2785	45	2783	10.3	390	8.0	112OTSH	
73989	19N	20W	27	AAAB	2720	64	2716	11.8	269	8.1	112LKML	
703234	19N	20W	29	CBBD	2750	140	2677	13.6	257	7.9	112LKML	
156666	19N	20W	34	ACBC	2725	10	2724				112LKML	
156667	19N	20W	34	ACBC	2725	19	2721				112LKML	
156668	19N	20W	34	ACBC	2725	31	2716				112LKML	
74019	19N	20W	36	BCBA	2820	89	2775	10.8	258	8.2	112LKML	
703247	19N	21W	14	DAAA	2870	480	2711	14.5	427	7.7	112LKML	nitrate only
6060	19N	21W	19	ABAA	2610	108	2522	13.8	425	7.7	112OTSH	
74075	19N	21W	25	BCBB	2715	268	2671	12.9	328	8.0	112ALVM	
146832	19N	21W	26	BABA	2680	275	2655	13.5	358	7.8	112ALVM	
157597	19N	21W	27	AADC	2660		2622	12.3	760	7.5	112LKML	
6063	19N	21W	30	ADDC	2580	118	2528	14.2	493	7.7	112LKML	
74083	19N	21W	30	CAAA	2530	17	2524	13.2	494	7.4	111ALVM	
74087	19N	21W	34	BABD	2640	270	2539		445	7.7	112ALVM	full analysis
74095	19N	24W	4	AACA	2860	405	2946	26.1	263	9.5	400PRCD	
74100	19N	24W	13	ACDA	2730	16	2718				112LKML	
148948	19N	24W	13	ADCB	2720	100	2717	11.7	301	7.1	400PRCD	
74751	20N	19W	4	CADB	3370	45	3356	9.3	197	7.4	112OTSH	
137561	20N	19W	4	CBDD	3320	125	3301	8.1	125	7.3	112LKML	
74747	20N	19W	4	CDBB	3325	300	3294				112LKML	
154144	20N	19W	5	DCAC	3205	160	3147	8.9	118	7.8	112LKML	
157044	20N	19W	7	CDDB	3055	198	3010	8.6	177	8.2	112ALVM	
6076	20N	19W	19	DAAA	3115	401	3017				112DRFT	
703251	20N	19W	19	DADA	3115	400	3017				112TILL	
122693	20N	19W	29	DCCC	3115	87	3095	9.4	250	8.0	112OTSH	
157043	20N	19W	31	AAAA	3090	190	2938				112LKML	
74810	20N	19W	31	AADA	3088	230	2925	8.6	298	7.8	112ALVM	
74818	20N	20W	1	ABBA	3085	81	3073	8.5	180	8.2	112OTSH	
74825	20N	20W	2	CDDD	3035	395	3037	11.0	264	7.9	112LKML	
74828	20N	20W	3	CABC	3045	480	3040	13.2	176	8.0	112LKML	
132988	20N	20W	4	DCCD	3025	500	3026	12.7	252	7.7	112ALVM	full analysis
74836	20N	20W	5	DDDA	2980	365	2968	12.8	260	7.8	112LKML	
74839	20N	20W	6	CBDC	2970	484	2971	12.4	372	8.1	400RVLL	
156669	20N	20W	7	ABDC	2935	14	2927				111ALVM	
156675	20N	20W	9	BADD	3025	426		13.5		8.0	112ALVM	
74852	20N	20W	11	CBDD	3025	399	3023	10.9	180	8.2	112ALVM	full analysis
127143	20N	20W	12	BABA	3050	100		9.8	261	7.8	112OTSH	
131937	20N	20W	14	CDCC	3018	436	2976	11.7	231	8.2	112LKML	
74884	20N	20W	20	AADB	3125	303	2961				400RVLL	
74883	20N	20W	20	AADD	3065	160	2964				400RVLL	
74888	20N	20W	21	BCBC	3015	90	2978	11.2	582	7.7	112LKML	
74889	20N	20W	22	AADD	3015	518	2948				112LKML	
703264	20N	20W	25	CCCB	3050	350	2914				112LKML	
6140	21N	20W	25	DDDC	3065	30	3048				111ALVM	
122337	21N	20W	25	DDDD	3065	26	3048				112LKML	
76067	21N	20W	27	DCCC	2995	339	3069	14.9	259	8.0	112LKML	
703300	21N	20W	28	BBAB	3065	213	3000	12.0	390	8.0	112LKML	
76074	21N	20W	31	BDDA	3045	830	3011				400RVLL	
156672	21N	20W	31	DAAB	3046	296	3008	12.5	404	8.0	112LKML	
146862	21N	20W	33	DDCB	3010	340	2999	11.2	395	8.1	112LKML	full analysis
146669	21N	20W	34	ACCD	2970	484	3022	14.1	251	8.0	400MCRB	
146956	21N	20W	34	DBBA	2970	340	3020	10.6	259	8.3	400MCRB	
76082	21N	20W	36	BDDA	3060	321	3055	11.5	167	8.4	112ALVM	
76087	21N	21W	2	AADA	2960	78	2955	9.8	506	7.5	112LKML	
76088	21N	21W	5	BAAA	2870	460	2741	18.0	632	7.4	112ALVM	
76092	21N	21W	15	CBBA	2890	68	2886	10.6	418	7.9	112LKML	
76093	21N	21W	16	DDCD	2865	265		11.7	401	7.9	400RVLL	
76096	21N	21W	22	DBAB	3105	196	2984	10.8	698	7.6	400RVLL	
76099	21N	21W	23	CDDC	3070	280	2916	11.1	705	7.5	112LKML	
148512	21N	21W	27	DDCD	3050	476	2844	13.8	398	8.0	112ALVM	
703307	21N	21W	35	CCCC	3020	600	2847				400RVLL	
76106	21N	21W	35	CCCC	3020	590		20.8	1974	7.6	400RVLL	
150579	21N	23W	3	CDCD	2714		2743	15.0	495	8.3	400PRCD	
148513	21N	23W	21	AABD	3680	404	3591				400PRCD	
76173	21N	24W	3	BBCA	2860	100	2861	44.6	381	9.3	400PRCD	full analysis
76182	21N	24W	3	CBB	2840	287	2757	27.1		9.6	400PRCD	
76185	21N	24W	3	DCBB	2805	103	2825	16.4	420	9.6	400PRCD	
150572	21N	24W	24	BACB	2920	57	2914	11.5	220	7.3	400PRCD	
76786	22N	17W	5	CCAD	3382	72	3357	7.2	340	7.8	112DRFT	
76791	22N	17W	8	BACD	3405	43	3399	6.8	284	7.9	112DRFT	
137578	22N	17W	20	ABCB	3430	83	3391	6.6	372	7.5	111ALVM	
703308	22N	17W	21	CAAA	3550	149	3421	7.7	388	7.6	112DRFT	
139323	22N	17W	21	CABD	3545	160	3439	7.4	350	7.6	112ALVM	full analysis
76800	22N	17W	27	CBAD	3495	41	3485	8.4	285	7.8	112OTSH	
76798	22N	17W	27	DCCB	3545	104	3507	7.5	367	7.7	112ALVM	
25362	22N	17W	28	ABDD	3475	60	3442	6.6	383	7.6	111ALVM	
76804	22N	17W	28	ADBC	3470	118	3438	9.8	380	8.0	112DRFT	nitrate only
76807	22N	17W	28	CDAC	3445	40	3440	8.0	351	7.8	111ALVM	full analysis
76808	22N	17W	28	DCCC	3590	110	3579	8.3	339	7.8	112ALVM	
703309	22N	19W	4	CCCC	3050	107	2960	10.0	318	8.0	112DRFT	
76814	22N	19W	5	AAAB	2915	420		10.4	301	7.6	400MCRB	
76819	22N	19W	5	DDAB	2970	118	2915	9.9	321	7.9	112ALVM	
131061	22N	19W	5	DDBA	2930	75	2915	9.4	388	7.9	112ALVM	
131980	22N	19W	7	CBCC	3045	235	2944				112ALVM	
76826	22N	19W	8	AAAA	3025	180		10.7	352	7.8	112ALVM	
76829	22N	19W	8	BCCB	2950	164	2923	11.1	247	7.8	112ALVM	
76833	22N	19W	9	BBBC	3075	216	2941	11.1	341	7.9	112ALVM	
76850	22N	19W	20	BAAA	3370	162	3222	9.4	189	8.2	112DRFT	full analysis
76851	22N	19W	20	BABD	3355	210	3226	8.8	174	8.2	112DRFT	
76853	22N	19W	20	DCDD	3260	54	3230				112OTSH	
155864	22N	19W	20	DCDD	3260	120	3195	11.0	196	8.4	112DRFT	full analysis
76860	22N	19W	21	BBBA	3325	136	3220	8.8	265	8.0	112OTSH	full analysis
155925	22N	19W	21	CADA	3320	12	3319				111ALVM	
76864	22N	19W	21	CADB	3310	108	3245				112DRFT	
131953	22N	19W	21	CADB	3315	125	3241				112DRFT	
155926	22N	19W	21	CADD	3340	45	3311	9.5	472	7.4	112DRFT	
76865	22N	19W	28	ABBC	3390	348	3234	10.1	230	7.0	112ALVM	full analysis
76867	22N	19W	28	BAAC	3300	110	3286	11.1	424	7.5	112OTSH	full analysis
76868	22N	19W	28	BADA	3350	110	3289				112ALVM	
155922	22N	19W	29	DAAA	3242	80	3201	10.0	174	8.3	112OTSH	
76883	22N	19W	30	DAAD	3210	348	2995	11.1	165	8.7	112ALVM	full analysis
76889	22N	19W	31	CCDD	3115	100	3110	8.8	275	7.4	112OTSH	full analysis
132998	22N	19W	31	CDCD	3115	75	3115				112LKML	
76893	22N	19W	31	CDDC	3115	16	3111	10.5	281	7.2	112OTSH	
76904	22N	19W	32	DDDC	3245	42	3223	11.1	117	6.5	112DRFT	
148567	22N	19W	32	DDDC	3245	635	3186	10.5	111	6.8	112LKML	full analysis
703317	22N	19W	33	BBBD	3265	163	3222	11.5	103	7.5	112DRFT	
131954	22N	20W	1	AADA	2920	224	2883	12.6	325	7.6	112ALVM	full analysis
155865	22N	20W	1	ADAD	2985	225	2906	11.8	282	7.7	112ALVM	
703318	22N	20W	5	AABA	2895	370	2806				400RVLL	
130523	22N	20W	5	AABD	2900	377	2898	12.1	373	7.8	400RVLL	
76947	22N	20W	8	DCAB	3020	100	2968	11.7	323	7.9	112ALVM	
76945	22N	20W	8	DCAB	3045	109	2972	12.4	285	8.0	112ALVM	
127625	22N	20W	8	DCBA	3030	82	2972				112DRFT	
76952	22N	20W	9	ACDD	2985	30	2986	12.0	360	8.1	112DRFT	
76967	22N	20W	12	BCBC	3060	187	2952	12.1	273	8.0	112ALVM	
76966	22N	20W	12	BCDB	3065	135	2949	12.1	226	8.1	112DRFT	full analysis
143243	22N	20W	13	CABB	3245	425		12.5	177	8.4	112ALVM	
141486	22N	20W	17	AAAC	3110	404	2959	13.5	359	8.0	400RVLL	
703323	22N	20W	17	ABAB	3130	495	2960	13.4	354	7.8	400RVLL	
24191	22N	20W	17	ABAD	3125	400	2961				400RVLL	
25384	22N	20W	17	ABAD	3125	360	2961	13.6	362	7.8	400RVLL	
148569	22N	20W	19	BBAA	3260	470	2903	12.7	575	7.4	400RVLL	
76998	22N	20W	20	ABBC	3290	632	2973	5.2	389	7.9	400RVLL	
77000	22N	20W	22	BAAA	3210	402	3007	2.7	325	8.2	112ALVM	
133895	22N	20W	23	DADB	3215	500					112ALVM	
77001	22N	20W	23	DADD	3215	340	2942	12.5	341	8.0	112ALVM	
77003	22N	20W	24	CDDC	3225	330	2981	12.0	333	7.9	112DRFT	
77006	22N	20W	25	BABD	3210	97	3118				112DRFT	
703324	22N	20W	25	BABD	3210	300	3118	11.2	322	7.9	112DRFT	full analysis
77007	22N	20W	25	CDCC	3165	117	3083	10.2	392	7.9	112DRFT	
77014	22N	20W	30	AADA	3365	465	3086	12.1	378	7.8	400RVLL	full analysis
6209	22N	20W	31	CDDB	3075	150	3014	10.1	696	7.6	400RVLL	full analysis
77018	22N	20W	31	DBCB	3060	150	2986	12.7	396	7.7	400RVLL	
77019	22N	20W	31	DDDA	3150	32		14.0	403	7.5	112LKML	
77033	22N	20W	36	BBBA	3135	100	3073	11.1	379	7.8	111ALVM	nitrate only
150732	22N	21W	29	BADC	2770	384	2716				112DRFT	
77080	22N	21W	32	ABAA	2895	520	2684	19.3	633	7.7	112ALVM	
156204	22N	21W	34	BABA	2930	440	2853	13.6	511	7.7	112ALVM	full analysis
156199	22N	21W	34	CBCC	2905		2850	12.9	433	8.0		
77085	22N	21W	35	ABBB	2950		2935	11.4	419	8.0	112ALVM	
77089	22N	21W	36	BBAB	2955	108	2946	10.4	554	8.0	112ALVM	full analysis
77094	22N	22W	2	CACB	2909	146	2912	16.0	442	7.5	112DRFT	
77107	22N	22W	11	ADBB	2885	241	2891	10.3	342	7.9	112ALVM	
77110	22N	22W	12	CACB	2880	84		10.2	298	7.6	112DRFT	
155869	22N	22W	15	DBBC	2915	563	2909				400RVLL	
77121	22N	22W	22	ADBA	2870	85		9.8	371	7.2	112DRFT	
703341	22N	22W	22	BACB	2945	440	2941				400RVLL	
146868	22N	23W	1	DBCB	3400	308	3352	13.0		7.3	400RVLL	full analysis
77148	22N	23W	28	ABCC	2800	339	2763				400RVLL	
76216	22N	24W	15	CBBB	2840	125	2819				400PRCD	
151977	22N	24W	34	CCDC	2870	300	2841				400PRCD	
77279	22N	24W	34	DDBA	2840	286	2850	15.7		8.1	400PRCD	full analysis
77488	23N	17W	18	DBDC	3245	132	3262	7.1	415	7.5	112ALVM	full analysis
77490	23N	17W	19	BDDC	3255	60	3265	8.2		7.2	112DRFT	
77491	23N	17W	29	BBBD	3315	60	3288	9.4		7.3	112DRFT	
77492	23N	17W	29	CBDB	3365	56	3367	7.5		7.5	112ALVM	
146737	23N	17W	31	BDDA	3350	80	3307	8.0		7.7	112OTSH	
77504	23N	19W	3	BAAA	2940	100	2899				400MCRB	
77520	23N	19W	7	CABB	2920	324	2893	10.7	352	7.0	400MCRB	full analysis
77515	23N	19W	7	CADB	2905	126	2896	10.1	223	7.8	112ALVM	
77525	23N	19W	7	DBDC	2920	235	2875	10.7		6.7	400MCRB	nitrate only
77519	23N	19W	7	DCBB	2905	335	2901	11.1		7.8	400MCRB	
77530	23N	19W	10	BDDD	2970	123	2911	9.3	411	7.4	400RVLL	
703356	23N	19W	15	CCAB	2930	540	2824	12.2	239	8.0	400MCRB	
77564	23N	19W	18	BDAD	2955	190	2904	11.0	341	8.0	112DRFT	
152789	23N	19W	18	CABA	2980	540	2891	13.7	304	7.9	400MCRB	
139331	23N	19W	19	BDCB	2930	698	2883	13.3	247	8.0	400MCRB	
139332	23N	19W	20	CCDA	2945	103	2898	9.8	228	7.9	112DRFT	
77618	23N	19W	20	CCDB	2945	396	2907	10.1	279	8.0	112ALVM	
157640	23N	19W	20	CDBC	2965	100	2890	10.4	284	7.9	112DRFT	full analysis
77625	23N	19W	20	DBBD	2895	10	2893				111ALVM	
146668	23N	19W	21	ACCD	2930	113	2881	7.8	839	7.8	112ALVM	
77652	23N	19W	21	ACDB	2925	246	2869	8.2		8.1	400MCRB	
77663	23N	19W	21	DDBD	3050	73	3040				112DRFT	
146876	23N	19W	28	ABAA	3040	201	3007	10.6		7.7	400MCRB	
77675	23N	19W	29	AADD	2955	175	2876	9.9	386	7.9	112DRFT	
77674	23N	19W	29	ADAA	2940	236	2904	10.2	334	8.0	112ALVM	
77678	23N	19W	30	AAAA	2895	100	2883	10.0	258	7.9	112ALVM	
77680	23N	19W	33	BADB	3195	340	3057	8.1		8.1	400MCRB	
77694	23N	20W	4	CBAB	2990	324	2919	9.1	621	7.2	400MCRB	
77698	23N	20W	9	CAAC	3075	105	3046	11.3	483	7.6	400RVLL	
156207	23N	20W	9	CABB	3050	260	3021	10.5	594	7.3	400RVLL	
77704	23N	20W	10	ADDD	2895	220	2892	11.6	751	7.0	400MCRB	
77709	23N	20W	10	ADDD	2895	160	2889				400MCRB	
77764	23N	20W	19	BBCA	3395	340	3110	12.5	470	7.6	112ALVM	
77767	23N	20W	19	CCDA	3125	63	3083	10.7	548	7.6	112DRFT	
77752	23N	20W	21	ABBD	2930	282	2922	11.5	416	7.6	400RVLL	full analysis
127627	23N	20W	32	BDDD	2925	360	2901	11.6	392	8.2	400RVLL	
77891	23N	21W	5	CCBC	3275	303	3267	10.2	353	7.7	400RVLL	
77907	23N	21W	14	CCCC	3505	611	3371	16.1		8.4	400RVLL	nitrate only
77911	23N	21W	17	ABCD	3515	268		11.6	269	8.0	112ALVM	full analysis
77915	23N	21W	17	BCCD	3670	320	3470	10.9	320	7.6	400RVLL	full analysis
77914	23N	21W	17	BCCD	3670	283		10.8	241	7.6	400RVLL	
703375	23N	21W	20	BCBA	3480	160	3484	10.2	173	6.8	112ALVM	
152793	23N	21W	23	CDDC	3405	320	3210	12.0	331	7.5	400RVLL	
77928	23N	21W	24	CDDC	3180	129	3056				112DRFT	
148612	23N	21W	24	CDDD	3180	530		13.9	328	7.0	400RVLL	
77933	23N	21W	24	DCBB	3215	200	3102	11.0	380	7.8	112ALVM	full analysis
148613	23N	21W	25	AABD	3110	78	3069	10.5	434	8.0	112DRFT	full analysis
122709	23N	21W	25	AADA	3085	180	3008	11.0	384	8.2	112ALVM	
77936	23N	21W	25	AADD	3085	180	3049	10.6	388	7.7	112ALVM	
77937	23N	21W	25	DAAA	3055	80		9.3	902	7.6	111ALVM	
6271	23N	21W	25	DAAB	3055	138	3019	9.6	340	7.9	112DRFT	
77941	23N	21W	32	BDAD	4105	800		11.2	212	6.6	400RVLL	
6273	23N	21W	34	ADAC	3335	1169	3158				112ALVM	
141506	23N	21W	35	ABBA	3275	500	3096	12.8	305	7.1	400RVLL	full analysis
6274	23N	21W	35	BBAA	3310	364		13.1	341	7.6	112DRFT	
77949	23N	21W	36	ABAA	3085	60	3070	9.6	807	7.8	112DRFT	
77952	23N	22W	11	DBCC	4090	300	3901				400RVLL	
77963	23N	24W	2	DBBA	2800	280	2766				400RVLL	
6278	23N	24W	3	BABA	2850	240	2775	13.3	233	6.7	400PRCD	full analysis
141772	23N	24W	33	ABAA	2880	375		14.7	204	7.8	400PRCD	full analysis
150549	23N	24W	35	BADA	2860	319		15.7	389	8.0	112LONE	full analysis
78437	24N	17W	7	BBDD	3110	149	3110	8.3	378	7.6	112ALVM	
127166	24N	17W	17	CBCC	3265	439	3249	10.1	473	7.5	112ALVM	full analysis
78443	24N	19W	4	ADAA	2925	200	2923				400RVLL	
78445	24N	19W	9	CDDC	2925	75	2883	9.8	715	7.0	400MCRB	
78457	24N	19W	16	BADB	2920	60	2909	9.5		7.6	400MCRB	
78462	24N	19W	16	CADD	2920	120	2891	9.8	404	7.9	112ALVM	full analysis
137610	24N	19W	16	DCAD	3005	360	2880	11.2	580	7.8	400MCRB	full analysis
133023	24N	19W	21	AACD	3020	565	2903	10.2		7.9	400MCRB	full analysis
78482	24N	20W	30	DADD	2900	260	2863	10.3	493	7.6	400RVLL	
78485	24N	20W	32	ADAC	2910	160	2882	9.4	584	7.3	400MCRB	
146879	24N	20W	33	ACDC	2895	540	2885	12.1	422	7.7	400MCRB	
139349	24N	21W	3	CDBD	2910	183	2891	11.3	517	7.5	112ALVM	
156674	24N	21W	3	CDCA	2900	40	2887	10.0	824	7.5	111ALVM	
133026	24N	21W	3	DACA	2895	127	2881	11.1	664	7.2	400RVLL	
78535	24N	21W	4	DDAA	2910	70	2898	10.0	459	7.8	112ALVM	
156028	24N	21W	16	CBBB	2955	352	2894	12.0	599	7.5	400PRCD	nitrate only
78623	24N	21W	29	DAB	2920	298	2905	11.5	620	7.8	400RVLL	nitrate only
78629	24N	21W	30	ABCA	2920	110	2910	10.6	398	7.8	112ALVM	
78634	24N	21W	32	DACD	2990	308	2976	11.5	360	7.5	400RVLL	
78652	24N	21W	33	ACDD	2940	178	2873	7.5	385	8.1	112DRFT	
140909	24N	21W	33	BCBB	2895	133	2893	10.7	479	8.1	112DRFT	
78648	24N	21W	33	BDDD	2950	245	2906	11.3	410	7.5	112ALVM	full analysis
78637	24N	21W	33	CAAA	2970	282	2888	11.5	438	7.5	112ALVM	
78668	24N	21W	36	DBCB	3140	767	3010	9.5	543	7.4	400RVLL	full analysis
703392	24N	22W	13	DDBD	2990		2957					
78671	24N	22W	14	DDDD	3110	235	2925	11.7	431	7.8	112ALVM	full analysis
78673	24N	22W	24	CDCD	3020	300	2900	11.3	519	7.6	400RVLL	full analysis
78675	24N	22W	26	BCCA	3440	514	3223				400RVLL	
128076	24N	22W	30	BCCD	3150	460	2898				112DRFT	
150550	24N	23W	17	BABD	2920	39	2894	12.0	583	7.2	400RVLL	
78690	24N	24W	14	DDDD	2900	50	2874	13.7	322	8.0	120SDMS	
133928	24N	24W	24	ABBB	2860	69	2850				112ALVM	
133930	24N	24W	24	ABBB	2860	14	2850				111ALVM	
78692	24N	24W	25	ADAC	2875	400		15.0		7.6	400RVLL	
6320	24N	24W	25	DADB	2860	328	2779				112ALVM	
6321	24N	24W	27	ABDB	2840	217	2811				120SDMS	
150546	24N	24W	35	CDCA	2825	108	2798	13.2	220	7.0	112ALVM	
79099	25N	18W	3	CCCD	3075	166	3061	6.5	455	7.2	400RVLL	full analysis
79102	25N	18W	4	BBDB	3090	60	3045	8.8	477	7.3	112DRFT	
79100	25N	18W	4	DBAB	3080	97	3054	10.0	193	8.3	112ALVM	
79136	25N	18W	14	DBBB	3075	38	3064	7.0	538	7.5	111ALVM	
79115	25N	18W	14	DCCD	3075	37	3072	5.9	1736	8.1	112DRFT	
150698	25N	18W	14	DDBA	3215	400	3102	8.7	191	8.1	112DRFT	full analysis
79140	25N	18W	15	AABD	3100	265	3089	9.2	479	7.2	400MCRB	
79148	25N	18W	26	ADAB	3100	170	3150	7.7	504	7.6	112ALVM	full analysis
79152	25N	18W	35	ADAC	3095	78	3085				111ALVM	
155336	25N	18W	35	BABC	3080		3079					
143261	25N	19W	5	ACAC	2990	702	2942	11.6	440	7.7	400RVLL	
79160	25N	19W	8	AADC	2970	50	2968	8.5		8.1	112DRFT	
79158	25N	19W	8	ADBA	2920	8	2916				111ALVM	
131963	25N	19W	8	DDBD	2920	50	2919	8.4	309	6.8	400RVLL	
79168	25N	19W	9	BBCC	3140	60	3128	9.3	268	8.2	400RVLL	
79171	25N	19W	16	CBBC	3220	150	3180	8.1	480	7.4	400RVLL	
79185	25N	19W	20	DDCD	2920	60	2884	10.1		7.5	112DRFT	nitrate only
79187	25N	19W	21	BBBB	3160	105	3127	8.7	565	7.1	400RVLL	
79193	25N	19W	21	CBBC	3160	12	3147	7.9	347	7.5	111ALVM	
79197	25N	19W	28	BBBC	3050	100	2981	10.5	281	7.9	111ALVM	
146856	25N	19W	28	CCBB	3060	167	3059	9.7	541	7.9	400RVLL	
79200	25N	19W	29	DDAA	3020	120	2987				112DRFT	
79212	25N	19W	33	CCCB	2965	40	2937	6.5	283	7.5	112TILL	
79215	25N	20W	4	CCCD	2905	350	2888	11.0	382	7.7	400MCRB	
79218	25N	20W	9	CCCD	2980	183	2956	9.2	498	7.5	112ALVM	
131995	25N	20W	9	CDAC	2895	142	2944	9.0	504	7.6	112DRFT	
79235	25N	20W	19	DDAA	3060	177	3027	10.0	451	7.4	112DRFT	
126301	25N	20W	20	DABC	3020	165	2923	10.9	559	7.7	400MCRB	
131998	25N	20W	29	BACC	2905	140	2922	10.2	636	7.3	112ALVM	
137622	25N	20W	29	BBDB	2900	150	2925	9.2	466	7.9	112DRFT	
79271	25N	20W	32	CBCB	2910	200	2905	10.0	514	7.5	400RVLL	
155924	25N	21W	17	AABB	3550	30	3548				111ALVM	
79272	25N	21W	17	AABB	3570	280	3400	9.9	453	7.7	112ALVM	
79273	25N	21W	18	CCDB	3540	480	3527	10.5	417	8.2	400RVLL	
79275	25N	21W	19	AADA	3450	189	3430	9.6	339	7.6	112ALVM	
79278	25N	21W	20	CABB	3400	262		10.7		7.7	112DRFT	
79281	25N	21W	28	DDDC	3170	530	3048	12.0	482	7.1	400RVLL	
79284	25N	21W	29	DCCD	3170	300	3224	9.4	354	7.3	400RVLL	
79282	25N	21W	29	DCCD	3165	180	3168	10.8	375	7.2	112ALVM	
79290	25N	21W	33	BBBC	3200	343	3096	11.6	340	6.6	400RVLL	
79293	25N	21W	34	BAAD	3260	410	3212				400RVLL	
79292	25N	21W	34	BAAD	3260	562	3053	13.7	503	7.4	400RVLL	
79294	25N	21W	34	CDDC	3040	125	2986				112ALVM	
79295	25N	21W	34	CDDC	3040	150	2984	10.9	755	7.5	112ALVM	
132002	25N	22W	11	BCDA	3740	32	3733	6.8	405	6.9	400RVLL	
146860	25N	22W	11	BCDA	3740	385	3682	10.2	319	6.8	400RVLL	
79300	25N	22W	11	BDAC	3705	57		8.2	376	7.7	112DRFT	
79309	25N	22W	13	CBBB	3705	38	3699	9.1	600	7.5	112ALVM	
79314	25N	22W	36	ADAA	3590	312	3563	9.5	289	7.8	400RVLL	
148645	25N	23W	26	BACB	3360	803	3350	13.5	272	7.3	400RVLL	full analysis
78676	25N	23W	26	CCCC	3160	120	3152	11.3	428	6.7	400RVLL	
79317	25N	23W	33	ABCB	3160	262	3111	12.4	308	7.1	400RVLL	
156673	25N	24W	15	CCDB	3480	795	3463	10.7	190	7.2	400RVLL	
141530	26N	18W	7	BDDD	3482	153	3397	5.9	72	7.6	112DRFT	
79493	26N	18W	19	BCCC	3100	80	3052	8.3	671	7.2	112ALVM	
120439	26N	18W	19	CABA	3288	66	3264	7.5	904	7.1	112DRFT	
133052	26N	18W	29	CBCB	3080	136	3063	6.8	403	7.7	112OTSH	
126303	26N	18W	29	CBCC	3080	47	3062	6.6	420	7.6	112DRFT	
79494	26N	18W	30	CADA	3070	208	3066	9.7	297	8.0	112ALVM	
127217	26N	18W	31	DAAD	3074	45	3070	6.6	302	7.5	400RVLL	
134223	26N	18W	32	BACB	3070	60	3055	8.2		7.5	112ALVM	
79498	26N	19W	1	BACD	3160	65	3141	7.6	99	6.4	400MCRB	
79501	26N	19W	1	DACC	3250	1085	3013	12.8	482	7.6	112ALVM	full analysis
79551	26N	19W	4	ABBB	3070	99	3054	8.1	771	7.6	400RVLL	full analysis
79555	26N	19W	6	BBBA	3150	100	3135	9.0	384	7.0	400RVLL	
155428	26N	19W	6	BBBB	3170	111	3079	10.0	778	7.2	400RVLL	full analysis
79554	26N	19W	6	BBCA	3170	95	3163	8.6	329	7.2	400RVLL	

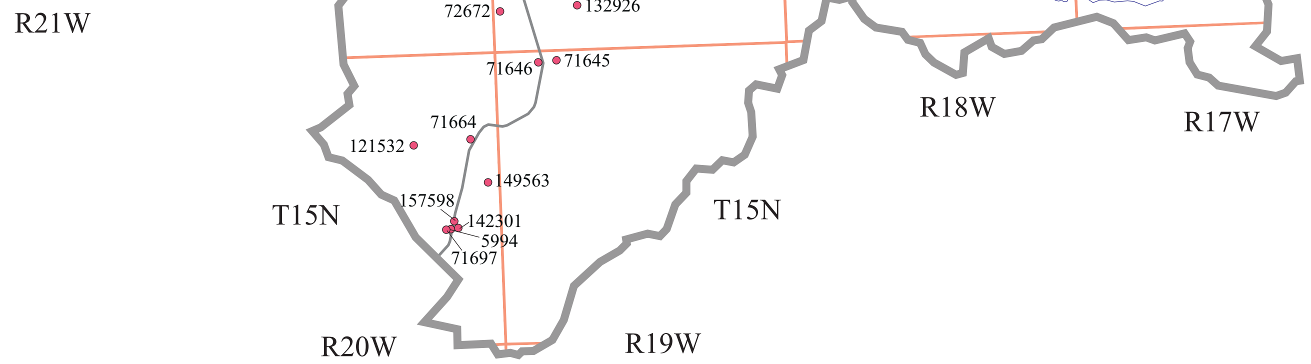


Table 2 continued

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
155433	26N	19W	6	BBCA	3170	30	3165	7.8	410	7.0	112OTSH	
132011	26N	19W	9	ABCC	3130	145	3081	8.4	390	7.0	400RVLL	
79569	26N	19W	10	DDBA	3075	218	3030	10.6	355	7.7	112ALVM	
79587	26N	19W	11	BADC	3065	566	3033	9.0	284	7.9	112VFAL	full analysis
79595	26N	19W	11	CDBD	3075	125	3049	8.0	422	7.8	112ALVM	full analysis
121985	26N	19W	14	CABB	3080	80	3073	9.4	410	7.5	112DRFT	
132012	26N	19W	14	DDAC	3160	200	3028	8.5	635	7.6	112ALVM	
137630	26N	19W	15	CDAD	3170	145	3136	9.4	244	8.2	400RVLL	
132394	26N	19W	18	BDBA	3055	481	3046	11.1	265	8.2	400RVLL	
155432	26N	19W	18	BDBB	3050	14	3047				112TILL	
79706	26N	19W	19	BDAD	3060	1010	2968	15.9	1012	8.3	400RVLL	full analysis
79683	26N	19W	19	DBDB	2900	30	2883	12.7	478	7.4	111ALVM	
133065	26N	19W	20	CABC	2920	58	2884	8.8	306	7.7	111ALVM	
79722	26N	19W	20	CBBA	2970	200	2903	12.7	662	7.9	400RVLL	
79728	26N	19W	23	AADC	3110	100	3074	7.3	402	7.6	112ALVM	
120458	26N	19W	24	CABD	3075	72	3070	7.9	418	7.5	400RVLL	
125867	26N	19W	32	ABBC	3020	123	2934	10.6	479	7.3	400RVLL	
143273	26N	20W	7	ACCC	2930	160	2895	10.3	628	7.2	400MCRB	
79822	26N	20W	12	ABAC	2910	56	2871				111ALVM	
79823	26N	20W	12	ABAC	2910	220	2862	9.9	400	7.7	400RVLL	
155870	26N	20W	12	ADDA	3070	34	3067				112ALVM	
79848	26N	20W	13	DADA	2940	230	2915	11.2	140	7.8	400RVLL	
79865	26N	20W	18	BCBC	3005	441	2891	10.1	468	7.4	400MCRB	
148680	26N	20W	20	BBCC	2940	378	2904	8.2	798	7.6	400MCRB	
132038	26N	20W	21	DCCC	2960	200	2927	9.8	688	7.2	400MCRB	full analysis
79912	26N	20W	33	AABA	2980	185	2863	11.0	450	7.3	400MCRB	
137650	26N	21W	11	ABBC	3465	284	3290	10.6	463	7.3	400MCRB	
148689	26N	21W	13	BBCD	3280	492	3084	10.8	469	7.5	400MCRB	full analysis
155485	26N	21W	13	BDDD	3055	15	3054				112OTSH	
79949	26N	21W	22	BCBB	3895	140	3897	7.0	408	7.7	400RVLL	
79969	26N	24W	8	AADA	3870	44	3868	8.7	223	5.7	111ALVM	
79972	26N	25W	4	CBDC	3920	220	3912	8.1	333	6.7	400RVLL	
79975	26N	25W	6	CABA	3900	26	3896				111ALVM	
137653	26N	25W	6	CABB	3940	402	3869	9.5	139	6.7	400RVLL	full analysis
139595	26N	26W	18	CDAC	3350	242	3331				400RVLL	
141671	26N	26W	18	CDDB	3350	40	3326	8.2	403	7.7	111ALVM	
155311	27N	19W	4	BCCD	3015		3010					
132041	27N	19W	4	CA	3020	40					111ALVM	
143168	27N	19W	4	CABB	3090	343	3002				112ALVM	full analysis
160790	27N	19W	4	CBBA	3020	17	3019				111ALVM	
80229	27N	19W	4	CCAD	3070	290	2987	7.2	470	7.4	112ALVM	
139424	27N	19W	4	DBCD	3070	154	3018	7.1	369	7.0	112DRFT	full analysis
80318	27N	19W	10	BDAD	3020	16	3013	5.0	526	7.8	111ALVM	
139428	27N	19W	11	CAAA	3180	565	3046	8.9	415	7.5	112ALVM	full analysis
80324	27N	19W	14	BBAA	3100	115	3092	7.1	345	7.4	112DRFT	
80356	27N	19W	18	ABCB	3070	98	3001	9.0	514	7.8	112OTSH	full analysis
80370	27N	19W	19	BAAD	3070	295	2993	9.6	209	8.1	400RVLL	
80389	27N	19W	20	ACDB	3070	249	3009	8.5	369	7.8	112ALVM	full analysis
154871	27N	19W	20	ACDD	3070		3057				112OTSH	
80433	27N	19W	24	DBBC	3260	598	3030	9.0	225	7.5	112DRFT	
130530	27N	19W	25	ABAD	3260	460	3113	9.1	204	7.5	400RVLL	full analysis
134212	27N	19W	25	BBBC	3100	108	3067	7.8	193	7.3	112ALVM	
80437	27N	19W	25	CCCC	3100	80	3056	7.5	237	7.3	112OTSH	
80450	27N	19W	26	DDBD	3080	180	3057	7.9	161	7.3	112DRFT	
80471	27N	19W	27	CD	3040	170	3038				112ALVM	
80520	27N	19W	29	DDDB	3320	132	3229	8.1	549	7.8	400RVLL	
80572	27N	19W	33	BDCB	3070	230	3038				400RVLL	
80571	27N	19W	33	BDCB	3110	132	3068	8.6	421	8.1	112ALVM	
80580	27N	19W	33	DAAD	3070	240	3045	8.8	410	8.0	112ALVM	
141558	27N	19W	35	DBAC	3070	327	3046	8.3	215	7.3	112ALVM	full analysis
132055	27N	19W	35	DBBC	3060	125	3040	7.8	332	7.5	112ALVM	
80662	27N	20W	1	BABC	3090	180	2965	10.9	268	8.3	112OTSH	full analysis
139450	27N	20W	4	CABD	2890	330	2886	10.5	444	8.5	112TILL	
122742	27N	20W	6	BABB	2900	33	2889	8.7	596	7.5	111ALVM	full analysis

Table 2 continued

GWIC Id	Twn	Rng	Sec	Tr	Alt	TD	SWL	Temp °C	SC	pH	Geologic Unit	Water Quality
155327	27N	20W	10	ADBD	2890	90	2891	11.4	301	8.1	112ALVM	
133079	27N	20W	10	ADCA	2910	287	2909	8.8	262	7.9	400MCRB	full analysis
133080	27N	20W	11	DDAB	3060	260	2968	9.8	379	7.8	112ALVM	
80713	27N	20W	12	BAAC	3090	223	2956	10.2	327	8.0	112ALVM	
160793	27N	20W	12	BCAC	2965	20	2961				112OTSH	
80715	27N	20W	12	BCAC	2990	50	2961	8.1	386	7.9	112OTSH	
80736	27N	20W	14	DDCB	3090	140	2982	9.0	415	7.7	400RVLL	full analysis
141562	27N	20W	17	CCBB	2890	400	2884	10.1	410	8.0	112ALVM	full analysis
6390	27N	20W	19	ABBB	2890	18	2885				111ALVM	
702739	27N	20W	19	BBBB	2907	20	2896				111ALVM	
80745	27N	20W	22	BBBB	2890	400	2884	11.3	519	8.1	112ALVM	
80779	27N	20W	24	BDDA	3050	154	3002	9.8	567	8.0	112DRFT	
80825	27N	20W	26	CDBA	2890	151	2885	9.9	386	8.2	400RVLL	
155332	27N	20W	26	DCDD	2950	484	2905				400RVLL	
155314	27N	20W	36	DDDD	2970	96	2907	8.9	639	7.7	400RVLL	
80852	27N	21W	3	ADAA	2900	287	2909				112ALVM	
80900	27N	21W	7	CBDA	3460	162		8.0	499	7.5	400MCRB	
80915	27N	21W	10	BBBA	2925	507	2891	10.8	488	7.4	400MCRB	full analysis
120651	27N	21W	11	ADDC	2910	46	2892	9.2	486	7.5	111ALVM	
80936	27N	21W	11	DBAC	2910	280	2904	11.1	360	7.8	112ALVM	
6392	27N	21W	12	AAAA	2906	28	2892				111ALVM	
6393	27N	21W	12	ABCC	2900	480	2905	12.5	461	7.5	112ALVM	
6394	27N	21W	12	BDDD	2901	20	2892				111ALVM	
152883	27N	21W	13	CDDD	2905	360	2897				112ALVM	full analysis
148694	27N	21W	23	AAAA	2915	343	2908	11.3	426	7.5	112ALVM	
156196	27N	21W	23	AAAA	2910	31	2891				111ALVM	
6396	27N	21W	23	AAAA	2910	25		9.5	1281	7.2	111ALVM	full analysis
80972	27N	21W	23	ABBA	2910	35	2892	9.2	738	7.5	111ALVM	
80984	27N	21W	24	CBBB	2910	467	2897				400MCRB	
130553	27N	21W	26	BBAB	3070	222	2909	10.4	438	7.6	400MCRB	nitrate only
127400	27N	21W	26	BCBB	2930	244	2892	9.9	413	7.7	400MCRB	
146584	27N	22W	5	CDAB	3240	83	3230	10.3	718	7.5	400MCRB	
81130	27N	22W	6	DAAB	3400	180	3380	8.9	686	7.6	400MCRB	
81176	27N	22W	17	CAAA	3228	265	3188	12.0	520	7.7	400RVLL	
141573	27N	22W	28	BDDA	3490	300	3474	8.1	366	7.0	400RVLL	
81207	27N	23W	14	DCCC	3275	443	3254	11.1	575	7.8	400RVLL	
81209	27N	23W	15	DCBC	3190	63	3180				111ALVM	
132071	27N	23W	24	DBAA	3180	55					111ALVM	
141575	27N	23W	30	CDBD	3930	200	3927	9.1	417	7.3	400RVLL	
81233	27N	23W	36	BAAD	3400	430	3378	8.0	515	7.0	400RVLL	
137752	27N	24W	6	DABB	3960	305	3846	12.1	188	6.9	400RVLL	
81245	27N	24W	10	DDCD	3938	125	3913	7.6	303	8.1	112DRFT	
81266	27N	24W	14	DBAA	3938	60	3912	7.0	310	7.8	112OTSH	
81275	27N	24W	16	DDCB	3940	224	3920	8.1	440	7.6	400RVLL	
81295	27N	24W	23	BBAA	3942	343	3908	9.5	477	7.2	112DRFT	
81292	27N	24W	23	BBAB	3935	40	3919	6.6	620	7.4	111ALVM	
81293	27N	24W	23	BBCA	3929		3911				111ALVM	
81297	27N	24W	28	AADA	3900	620	3896	10.1	343	7.5	400RVLL	
137756	27N	24W	33	ACCD	3910	44	3891	7.5	367	7.1	112OTSH	
137764	27N	24W	33	DBBB	3910	300	3892				400RVLL	
81312	27N	25W	17	CACD	3565	80		9.9	563	7.6	400RVLL	
81319	27N	26W	4	BADC	3500	475	3486	9.6	233	7.4	400RVLL	full analysis
81320	27N	26W	10	BAAC	3640	160	3626	7.5	102	6.7	400RVLL	
154810	28N	19W	7	CCBC	3220	132	3116	9.5	373	7.8	112ALVM	
81530	28N	19W	7	CCCC	3200	171	3087	7.7	392	7.3	112ALVM	full analysis
81548	28N	19W	18	DBBD	3260	120	3248	8.8	525	7.5	112DRFT	
132078	28N	19W	20	ACA	3350	390	3180	10.0	380	8.0	112TILL	
81565	28N	19W	20	CDCA	3210	270	3089	6.5	422	7.8	112ALVM	
81575	28N	19W	20	DABB	3340	40	3311	6.5	333	8.0	111ALVM	
149273	28N	19W	20	DBAA	3325	200	3195	7.6	404	8.0	112ALVM	
81579	28N	19W	20	DCCC	3220	162	3131	7.5	374	6.8	112ALVM	
81591	28N	19W	28	BBBB	3250	137	3166	8.0	334	8.1	112ALVM	full analysis
154872	28N	19W	28	BDCA	3170		3010	9.8	528	7.6	400RVLL	
81603	28N	19W	31	ACBD	3130	238	2989	11.8	353	7.9	112ALVM	
83409	29N	16W	11	CDCC	3850	708	3792	7.6	351	7.7	400MCRB	
155434	29N	16W	11	DCCC	3845	220	3693	4.0	206	8.2	112ALVM	
83425	29N	20W	2	CCBC	3090	200	3032	7.7	389	8.3	112DRFT	
83424	29N	20W	2	CCCA	3090	250	3113	8.6	194	8.7	400RVLL	full analysis
83435	29N	20W	3	DDBA	3050	340	3034	9.4	418	8.2	112ALVM	full analysis
154968	29N	20W	7	ABDC	3050	80		8.9	665	8.0	112ALVM	full analysis
141616	29N	20W	14	DBBA	3330	405	3118	10.9	392	7.6	400PRCD	
83577	29N	20W	15	CCDC	3050	102	3018	7.6	522	8.1	112TILL	
83599	29N	20W	16	CBCC	3050	128	3007	10.9	405	8.2	112TILL	
154870	29N	20W	25	CDCA	3080	345	2987	8.2	244	8.7	112ALVM	full analysis
83662	29N	20W	26	AACA	3060	120	3026	8.4	275	7.9	400RVLL	
83666	29N	20W	26	ABCC	3020	139	2993	8.3	285	8.0	112DRFT	full analysis
702934	29N	20W	26	BBAD	3010	422	3000	7.6	285	8.3	112ALVM	nitrate only
890685	29N	20W	29	BABB	2990	690					112VFAL	
125938	29N	20W	31	BDBB	2965	64	2920	9.6	467	7.8	111ALVM	
83797	29N	20W	35	CDDD	3070	140	2994	9.4	470	7.7	112ALVM	full analysis
152961	29N	20W	35	DCCC	3070	203	2994				112ALVM	
83808	29N	20W	36	CBBB	3070	120	2976	6.6	344	7.7	112OTSH	full analysis
83826	29N	20W	36	CBBB	3070	124	2977	9.5	271	7.9	112OTSH	
83851	29N	21W	3	ACCA	2970	161	2959				112ALVM	
83849	29N	21W	3	ADBB	2970	141	2958				112ALVM	
83868	29N	21W	5	BADB	3020	173	2920	10.1	443	7.8	112ALVM	
83884	29N	21W	6	AADD	3080	229	2937	9.9	521	7.4	112ALVM	
702957	29N	21W	6	CBBA	3190	569	2948	10.5	466	7.9	400RVLL	full analysis
83914	29N	21W	7	ADDD	3060	173	2936	8.2	731	7.8	112DRFT	
83917	29N	21W	8	BCDB	3030	12	3025				111ALVM	
83916	29N	21W	8	BCDB	3035	292	2930	9.5	580	7.6	112ALVM	
137862	29N	21W	8	CBCB	3030	87	2992	9.3	462	7.6	112DRFT	nitrate only
83942	29N	21W	9	BCDC	2955	9		6.0	325	8.3	111ALVM	
83963	29N	21W	9	DCBB	2945	30	2940	6.7	462	7.4	111ALVM	
156026	29N	21W	11	DBDA	2950	35		8.0	322	7.6	111ALVM	full analysis
6450	29N	21W	11	DDBC	2949	31	2942				111ALVM	
155326	29N	21W	15	DDCD	2950		2944	6.9	425	7.8	111ALVM	
155324	29N	21W	15	DDCD	2950	170		8.6	360	8.3	112ALVM	
84052	29N	21W	17	BBCC	3025	167	2928	6.5	404	7.6	112ALVM	
139628	29N	21W	17	BCBB	3025	225	2930	5.9	395	7.7	112ALVM	
148197	29N	21W	18	CBBB	3025	109	2967	9.5	334	7.6	112DRFT	full analysis
84097	29N	21W	19	BCCC	3025	275	2918	10.5	405	7.7	112ALVM	
84099	29N	21W	19	CCAA	3025	268	2929				112ALVM	
84114	29N	21W	20	CBCD	3035	220		9.8	497	8.0	112ALVM	
155312	29N	21W	20	CCAA	3035	350	2914	9.9	454	7.9	112VFAL	
137868	29N	21W	22	CCCB	2930	277	2928	10.9	277	7.4	112ALVM	full analysis
6454	29N	21W	22	CDDD	2935	45	2930	12.7	296	7.9	111ALVM	full analysis
84308	29N	21W	31	CDAA	2970	60	2947	9.1	380	7.7	112OTSH	
155315	29N	22W	1	DBDB	3035	300	3022	8.6	655	7.7	112ALVM	
84486	29N	22W	3	CACD	2990	142	2978	8.6	678	7.4	112DRFT	full analysis
84490	29N	22W	4	CADC	3099	88	3048	8.3	522	7.5	112OTSH	full analysis
84500	29N	22W	5	CBAC	3195	160	3155	8.5	422	7.6	400RVLL	
127412	29N	22W	5	DDBB	3130	540	2935	12.9	297	7.6	400RVLL	
84516	29N	22W	7	DABA	3143	162	3092	8.7	474	7.7	112ALVM	full analysis
84519	29N	22W	7	DDDD	3136	118	3067	8.0	506	7.4	400RVLL	
84528	29N	22W	8	DDDA	3115	88	3059	9.4	643	7.6	112OTSH	full analysis
137876	29N	22W	9	DBDB	3090	107	3003	8.9	596	7.7	112OTSH	full analysis
148210	29N	22W	15	CABC	3060	75	3020	8.8	736	7.5	112DRFT	full analysis
141665	29N	22W	19	CDAC	3255	275	3161	8.0	569	7.4	400RVLL	
154971	29N	22W	21	BBAD	3103	120	3038	8.6	503	7.8	112DRFT	full analysis
84619	29N	22W	21	BBCB	3095	257	2938	8.1	436	7.7	112ALVM	full analysis
84618	29N	22W	21	BBCB	3095	28					111ALVM	
84632	29N	22W	24	BCCD	3001	139	2917	9.3	570	7.8	112DRFT	
84685	29N	22W	29	ADAD	3104	63	3064				112DRFT	
84696	29N	22W	32	AAAA	3099	190	2950	7.8	466	7.7	112ALVM	full analysis
45316	29N	22W	32	DADB	3130	396	2985	9.7	336	7.3	400RVLL	full analysis
84737	29N	22W	36	DAAD	3005	205	2914	9.3	376	7.9	112ALVM	full analysis
139617	29N	23W	11	DCDA	3500	345	3382	8.8	466	7.6	400RVLL	
45321	29N	23W	13	BABD	3285	180	3248	8.3	500	7.5	112ALVM	
137919	29N	23W	14	AACB	3370	275	3289	9.1	494	7.5	112ALVM	
84749	29N	23W	14	ADBA	3355	32	3336	7.5	391	7.6	112OTSH	
84762	29N	23W	25	CABA	3380	159	3278	10.3	502	7.3	112ALVM	
84766	29N	23W	25	DADB	3260	440	3222	9.2	544	7.3	400RVLL	
84755	29N	23W	25	DADC	3260	20	3257				111ALVM	
130597	29N	23W	26	ADDA	3470	260	3466	8.4	454	7.8	400MCRB	
84784	29N	23W	27	DACD	3670	320		8.7	508	7.3	400RVLL	
155429	30N	14W	36	DDBC	5200	60	5187				112ALVM	
155426	30N	14W	36	DDBD	5210	38	5194	3.1	105	7.0	112ALVM	
45992	30N	16W	17	BCAC	3820	320	3763	9.7	804	8.6	124KSNN	
143346	30N	19W	3	BACB	3220	70	3187	6.9	580	7.5	112TILL	
85108	30N	19W	4	BBBD	3140	400	3118	7.3	421	7.5	400MSSL	full analysis
120853	30N	19W	4	CACC	3220	100	3180	6.0	351	8.0	112ALVM	
85145	30N	19W	5	CDCD	3110	102	3038	8.3	220	7.9	112ALVM	
85144	30N	19W	5	DCDB	3190	620	3175				400RVLL	
130606	30N	19W	8	BDBB	3090	95	3023	6.6	280	8.1	112ALVM	
87873	30N	20W	3	AACB	3140	168	3095				112DRFT	
85203	30N	20W	4	ACBD	3105	126	2996	6.5	601	7.2	112DRFT	
85198	30N	20W	4	ACCB	3090	45	3076	7.8	640	7.1	111ALVM	
85245	30N	20W	5	CCBA	3150	57	3132	6.1	883	7.0	112DRFT	
85263	30N	20W	5	DCBB	3090	218	3013	7.2	466	7.4	112ALVM	
85274	30N	20W	6	CBAA	3210	360	3030				112DRFT	
85271	30N	20W	6	CDDB	3110	150	2999				111ALVM	
134290	30N	20W	6	DDCD	3130	115	3002	7.3	551	7.6	112DRFT	
85297	30N	20W	7	AAAA	3110	157	3003	7.5	601	7.3	112DRFT	
138023	30N	20W	8	BCAD	3085	106	3016	8.1	386	7.4	112ALVM	
155340	31N	19W	21	BBAD	3220	7	3219				112ALVM	
155333	31N	19W	21	BBAD	3220	42	3190	7.3	303	7.8	112ALVM	
122727	31N	19W	21	BBDA	3210	39	3187	7.3	295	8.0	112ALVM	
143399	31N	19W	21	BDAD	3200	37	3183	5.8	291	7.7	112ALVM	
87763	31N	19W	21	BDBC	3190	51					124KSNN	
143398	31N	19W	21	BDBD	3200	34	3189				112ALVM	
87782	31N	19W	28	BCAB	3200	50	3189	5.6	278	7.0	112OTSH	
155343	31N	19W	28	DACD	3315	125	3253				112TILL	
155342	31N	19W	28	DACD	3320	250	3255				112TILL	
148822	31N	19W	28	DADC	3315	126					112TILL	
155341	31N	19W	28	DDBA	3275	12	3270	5.1	347	7.5	112TILL	
87824	31N	20W	2	AABA	3165	200	3144	7.0	305	7.9	112GLCC	
132139	31N	20W	3	CDAA	3450	340	3447	7.5	205	8.4	400MCRB	
127385	31N	20W	3	DCAA	3525	260	3444	7.5	167	7.9	400MCRB	
139705	31N	20W	10	ABBD	3450	505	3349	7.9	364	7.9	400MCRB	full analysis
87832	31N	20W	10	ACDA	3410	291	3290	6.9	340	7.9	400MCRB	
87842	31N	20W	11	BBCB	3300	150	3299	9.5	52	6.5	112ALVM	
87844	31N	20W	12	AABA	3120	65	3113	7.5	165	7.9	111ALVM	
153051	31N	20W	12	BACB	3140	34	3130	5.5		7.3	112OTSH	
87852	31N	20W	30	BCCC	3360	80	3308	8.3	561	7.3	112DRFT	
87853	31N	20W	30	BCDD	3350	258	3166	9.0	413	7.6	112ALVM	
120921	31N	20W	30	BDDC	3440	420	3119	10.6	338	8.3	112DRFT	
146314	31N	20W	31	AAAB	3365	420	3084	9.0	584	7.5	112ALVM	
138111	31N	20W	31	DCDB	3220	45	3214	9.3	726	7.4	112TILL	
87871	31N	20W	33	CDAC	3160	140	3036	8.1	578	8.0	112ALVM	
121355	31N	21W	19	DADB	3100	308	3049	9.8	920	7.6	400RVLL	
130649	31N	21W	20	ACAB	3480	220	3466	7.7	465	7.8	400RVLL	
122728	31N	21W	22	DBBC	3410	147	3338	9.8	424	7.1	112DRFT	full analysis
138140	31N	21W	25	AABC	3450	380	3213	9.1	431	7.4	112ALVM	
141715	31N	21W	25	DCCD	3330	307	3054	9.6	504	8.1	112TILL	
122729	31N	21W	25	DDCD	3310	425	3023	9.4	498	8.0	112GLCC	
87916	31N	21W	27	BCBA	3190	55	3163	6.7	505	7.2	112ALVM	
141717	31N	21W	27	CBBC	3135	255	2990	7.5	318	7.6	112TILL	
130650	31N	21W	28	AACB	3180	120	3099	8.9	491	7.2	112TILL	nitrate only
87924	31N	21W	28	AACB	3170	105	2980				112ALVM	
11914	31N	21W	28	ACDB	3125	147	3118	7.3	480	7.5	112ALVM	full analysis
141718	31N	21W	28	CCBB	3050	248		9.5	480	7.5	112ALVM	
87936	31N	21W	28	CCDC	3055	80	3058	9.4	313	7.0	112ALVM	
87949	31N	21W	29	CCAA	3070	48	3047	8.6	694	6.9	112TILL	
87970	31N	21W	33	CCAD	3110	105	3076	7.8	561	7.4	112ALVM	
87985	31N	21W	34	AADC	3140	130	3069	7.6	561	7.2	112ALVM	
87999	31N	21W	35	CADD	3110	204	2985	8.7	446	7.5	112ALVM	
126319	31N	22W	4	AACD	3590	226	3491	8.5	394	7.6	400RVLL	
139717	31N	22W	5	ABAA	3000	345	2979	9.6	327	7.3	112DRFT	
133151	31N	22W	11	DBAC	3640	535	3496	8.9	592	7.4	400MCRB	
88081	31N	22W	31	BCAC	3065	127	2986	9.5	567	7.4	112OTSH	
139722	31N	22W	32	DDBB	3510	301	3340	8.5	612	7.0	400MCRB	
88097	31N	22W	34	AADC	3180	100	3129	8.6	462	7.8	111ALVM	
126320	31N	22W	34	ADAB	3180	110	3165	9.1	424	7.8	112DRFT	
126317	31N	22W	34	ADBB	3215	460	3188	9.1	520	7.5	400MCRB	full analysis
120926	31N	22W	35	DDDC	3080	267	3047				112ALVM	
141720	31N	23W	1	BCBA	3195	196	3168	9.0	650	7.9	112ALVM	
155867	31N	23W	4	ADAD	3000	390	2997	10.7	327	7.9	400MCRB	
88133	31N	23W	4	ADAD	3000	275	2678	10.0	323	8.1	112ALVM	
148433	31N	23W	11	BCDA	3050	261	3004	8.5	468	7.5	400MCRB	full analysis
88138	31N	23W	11	CDBC	3050	317	3025	9.6	519	7.6	112ALVM	full analysis
141722	31N	23W	17	BDBC	3344	113	3292	7.4	301	8.2	112ALVM	
155868	31N	23W	23	DCBD	3045	30		7.1	589	7.2	111ALVM	
88162	31N	23W	24	BADD	3070	160	3050	8.7	556	7.5	400MCRB	
88164	31N	23W	24	BBCD	3039	142	3017	8.8	632	7.7	112ALVM	
88170	31N	23W	25	ACAD	3040	311	3001	9.0	387	7.7	400MCRB	
88171	31N	23W	25	ACCCD	3020	188	2979	8.9	565	7.5	112ALVM	
133160	31N	23W	36	DBAC	2990	285	2980	8.7	451	7.2	400MCRB	full analysis
155338	32N	19W	9	DDBD	3160	96	3144	5.7	113	8.4	112ALVM	
88937	32N	19W	26	CDCC	3185	37		7.2	324	7.7	111ALVM	
127654	32N	19W	36	BCDD	3270	384	3208				400RVLL	
88983	32N	19W	36	CBBA	3335	500	3160	8.3	375	8.3	400RVLL	
88998	32N	23W	7	DABA	3190	156	3173	8.5	303	7.7	112ALVM	
89005	32N	23W	7	DCCA	3110	105	3087	11.8	232	7.1	400RVLL	
89012	32N	23W	17	BBCB	3160	50	3143	8.3	248	7.0	112ALVM	full analysis
89022	32N	23W	35	AAAA	3265	130	3242	7.4	307	6.7	112DRFT	
149195	32N	23W	35	AAAC	3255	101	3265	7.2	306	7.0	112ALVM	
143415	32N	23W	35	ACDB	3290	452	3208	10.0	380	7.7	112ALVM	
155339	33N	18W	11	ACCB	3170	37	3155	7.1	115	6.7	111ALVM	
155337	33N	18W	23	BBBB	3170	78	3163	3.8	36	6.8	112ALVM	
131916	33N	23W	30	BDAC	3245	35	3227	9.2	216	7.2	112OTSH	full analysis
89329	33N	23W	32	DABB	3360	220	3369	8.3	467	7.6	400RVLL	full analysis
89328	33N	23W	32	DDCC	3360	115	3261	8.0	465	7.1	112ALVM	
155866	33N	24W	14	CCDD	3245	60	3204	8.0	296	7.5	112OTSH	
89332	33N	24W	23	ABCC	3220	130	3194	7.0	457	7.5	400RVLL	
146276	34N	20W	19	CDCD	3780	152	3723	9.1	288	7.8	400RVLL	full analysis
139939	35N	20W	5	BAAC	4120	103	4062				112OTSH	
155928	35N	21W	27	DABC	3520	25		10.5	251	8.0	111ALVM	full analysis
120938	35N	22W	1	CBBB	4040	254	3851	6.2	295	7.9	112ALVM	
155884	36N	22W	35	DCBB	4110	78	4060	5.3	261	8.0		
155927	37N	22W	5	ADCB	3980	25	3974	7.6	354	7.5	111ALVM	full analysis
90489	37N	22W	35	ABCB	3945	50	3933	8.0	431	7.5	124KSNN	