State of Utah Department of Agriculture and Food

2007 State of Utah Ground-Water Program

By
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ACKNOWLEDGMENTS

The Utah Department of Agriculture and Food's (UDAF) 2007 Ground-Water Sampling Program is successful because of contributions made by many people. UDAF's ground-water steering committee includes of Commissioner Leonard Blackham; Directors George Hopkin, Clair Allen, and Dr. David Clark; and Program Leader Clark Burgess. This committee gives guidance, support, and direction to the program.

Efforts by members of the Utah Association of Conservation Districts (UACD) have also contributed greatly to the success of the 2007 sampling program. They helped select sampling sites and navigate us to the locations of wells to be sampled. Their knowledge of local areas and contact with people who desired well sampling proves invaluable.

Terry Monroe and Will Atkin of Utah Division of Water Rights (WR) helped in selection of well sites in the Pahvant and Curlew valleys. Several other officials with WR helped us in sampleing various areas of the state such as the Snake Valley, Salt Lake Valley, and South Western Utah. Water Rights also provided a sampling vehicle for this year's effort.

This program has received excellent support from the UDAF Chemistry Laboratory Division, which performs the sample analyses. The State Chemist, Dr. David Clark; staff chemists, Mohammed Sharaf, Cham Hoang, and Ivett McQueen and technical assistant; James Palmer provided prompt analysis of pesticide and inorganic samples collected during the year.

A critical part of the program is the collection, distribution, and maintenance of data. Anne M. Johnson, UDAF's GIS Coordinator, has been most helpful by efficiently producing GIS-based maps and giving suggestions for proper data management. Her work is exhibited throughout this report. This year a new computerized data collection and management software package has been written which binds sample collection, testing, reporting, and data management into one system. Pavel Milyasvkly a computer programmer for UDAF has written the software. Much of this report is generated by this software. We are grateful for Pavel's help and support.

Virginia Sligting, secretary in The Division of Marketing and Conservation, has worked tirelessly in assembling, editing, and proofreading the report manuscript. Her careful work has insured a much more accurate document.

In 2007 Steve Deakins of UDAF helped in the field-sampling program. Without his dedication and excellent work fewer samples would have been collected.

Finally, thanks are extended to the owners of wells without whose participation and trust this program would not have functioned.

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Front Cover: Steve Deakins of UDAF and Bill Smart of WR sampling a private drinking water well in Ibapah.

Utah Department of Agriculture & Food
State Ground-Water Program
Report 2007

Utah Department of Agriculture and Food's (UDAF) State Ground-Water Program is funded by the legislature to assist private well owners and other agencies, organizations, and concerned citizens to have a better understanding of water quality. Provisions of the Federal Clean Water Act require drinking water testing of public water systems. This act does not require testing of private wells used for drinking water, irrigation, and livestock watering even though these wells account for the majority of ground-water use in the State of Utah.

This report covers testing of private wells in the state by UDAF's State Ground-Water Program for 2007.

Cooperative Effort

UDAF has a memorandum of understanding with the Utah Division of Water Rights (WR) for collecting ground-water data from Pahvant and Curlew valleys. Sample analyses were done for inorganic and organic constituents that influence water quality. Guidance from WR has helped in selecting sampling sites and sharing data.

UDAF also works closely with the Department of Environmental Quality (DEQ) in providing expertise for the State Pesticide Management Plan and other ground-water programs. This relationship benefits UDAF by allowing agriculture's voice to be heard and its ideas considered during the planning process. UDAF is an essential link between DEQ and farmers and ranchers of the state regarding environmental issues.

The State Ground-Water Program works with members of local Soil Conservation Districts (SCDs) and Utah Association of Conservation Districts (UACD) to identify private wells for sampling. SCD cooperation and knowledge of the local area has been very beneficial in identifying wells for sampling, meeting well owners, and distributing information. The work of local district members who advertise, collect names, and organize sampling events helps to make the program successful.

UDAF's Ground-Water Sampling Procedures

UDAF meets with SCDs to inform and update members on ground-water issues. Districts then select wells for sampling in their area and obtain preliminary sample information by using UDAF's Pre-Sample Information Form (Fig. 1). WR selected wells to be sampled for Pahvant and Curlew valleys,.

Local SCD members accompanied UDAF personnel to selected well sites. At each well, location was determined using a Global Positioning System (GPS) receiver. Using established protocol Water was then collected for inorganic, bacteria, and pesticide analyses. Samples were packed in ice and taken to the laboratory for analysis. Reports summarizing laboratory results were sent to each well owner. GPS information was provided to UDAF's GIS administrator who provided maps of the sampled areas.

During 2007, UDAF tested all samples for coliform and E. coli bacteria using IDEXX Colilert MUG kits in the field. This has been a significant addition to the program. Major changes in chemical analysis have taken place during 2007. UDAF's laboratory has added three new analytical devices, Dionex IC3000 for ion measurements, automated titrator for carbonate and bicarbonate, and an ICP mass spectrophotometer for elements. These advancements have increased the number elements, ions, and compounds that can be tested as well as improved the accuracy of the analysis. The laboratory now reports to us Fluoride, Mercury, Nitrate, Perchlorate, and Silver as well as lower detection limits for many of the elements. Total Dissolved Solids (TDS) is now calculated using "sum of constituents" instead of using electrical conductivity measurements.

Areas Sampled

During 2007, 457 samples were taken from wells, drains, and springs in all of the seven UACD zones in the state. The focus of this years work was in zone 5 (South Western Utah including Beaver, Iron, Garfield, Washington and Kane counties) and Snake Valley near the Nevada border. Snake Valley was sampled at the request of WR to help establish background chemistry for wells that may be impacted by water use in Nevada. Each UACD zone and district sampled is addressed in this report, with a map showing sample location and a table of chemical analyses. Narrative reports are also provided for each sampled district. Below is a general summary of ground-water quality for samples taken during 2007, based on EPA standards.

At the well owner's requests, UDAF provided all collected data on over 340 wells and springs to WR to be included in their data base. This will assist well owners by having a permanent record of their well's chemistry on file.

Summary of Water Quality for 2007

There were no confirmed pesticide detections in the 220 samples taken during the 2007 sampling season based on EPA standards.

Bacteria (Coliform & Ecoli)

As found in previous years, bacteria are a major problem for private water systems. Thirty-four percent (34%) of the wells and springs sampled this year tested positive for coliform bacteria, as compared to 59% in 1999, 36% in 2000, 29% in 2001, 27% in 2002, 31% in 2003, 33% in 2004, 35% in 2005, and 29% in 2006. Although most coliform bacteria do not pose a health problem, their presence in well water indicates that surface waters, soil, or other contamination is getting into the well. Bacteria problems are usually seen in older wells, wells with improper casing and caps, wells that are too shallow or systems that have been improperly maintained.

Of greater concern is the presence of E. coli in water samples. Even though the percentage of contaminated wells is dropping, E. coli is still a serious problem as it indicates that fecal material has gotten into the well. During 2007, 3% of the wells and springs sampled tested positive for E. coli as compared to 34% in 1999, 7% in 2000, 4% in 2001, 3.4% in 2002, 5.8% in 2003, 6.6% in 2004, 7.8% in 2005, and 4% in 2006. These wells have been contaminated with mammalian fecal material, the only source for this bacterium. The source could be effluent from septic systems near the well, poor well construction with livestock near the well head, or open wells in areas where animals and manure are present.

Specific elements that exceed irrigation, livestock, or drinking water standards are discussed in the district reports as described below.

More detailed descriptions of water quality for each sampled area are presented in this report. The report covers specific UACD zones and districts where sampling was conducted, and in some cases separate areas within districts are included where circumstances warrant separate treatment. Tables of chemical, bacterial, and physical characteristics of sampled water are also included. Each district report will include 4 tables, Primary Drinking Water Standards, Secondary Drinking Water Standards, Irrigation Standards, and Livestock Standards. The tables show standard values, detection limits, and measured results for each sample. If a standard is exceeded the result is underlined and highlighted. A map for each district is included in the report showing each sample location.

Sample site locations can be identified on the map using the "Id#" column from the related table. Values of "ND" indicate that this element or compound was not measured above the detection limit of the procedure used to test for the element or compound.

Pesticides

The generic Pesticide Management Plan (PMP) for the State of Utah identifies five pesticides which have the potential to be a threat to the ground water supply. Each of these pesticides is broad-spectrum herbicides. The pesticides are: (1) Alachlor, (2) Atrazine, (3) Cyanazine, (4) Metolachlor, and (5) Simazine. In addition to these pesticides, the UDAF laboratory also screens for a broad range of other pesticides which are sold and used in the state that have the potential to contaminate ground water resources according to the following list.

List of Pesticides

Hexachlorocyclopentadiene	Alpha Chlordane	2,4,5-TP (Silvex)
Hexachlorobenzene	Dieldrin	Picloram
Simazine *	Endrin	Aldicarb
Atrazine *	Methoxychlor	Aldicarb sulfone
Gamma-Lindane	Chlordane "T"	Aldicarb sulfoxide
Heptachlor	Toxaphene "T"	Carbofuran
Alachlor *	Prometon	Methomyl
Aldrin	Dicamba	Oxamyl (Vydate)
Heptachlor-Epoxide	2,4-D	3-OH Carbofuran
Gamma Chlordane	PCP	3-Keto Carbofuran
Disulfton	Diazinon	Metolachlor *

* Pesticide identified for restriction under the proposed PMP rule.

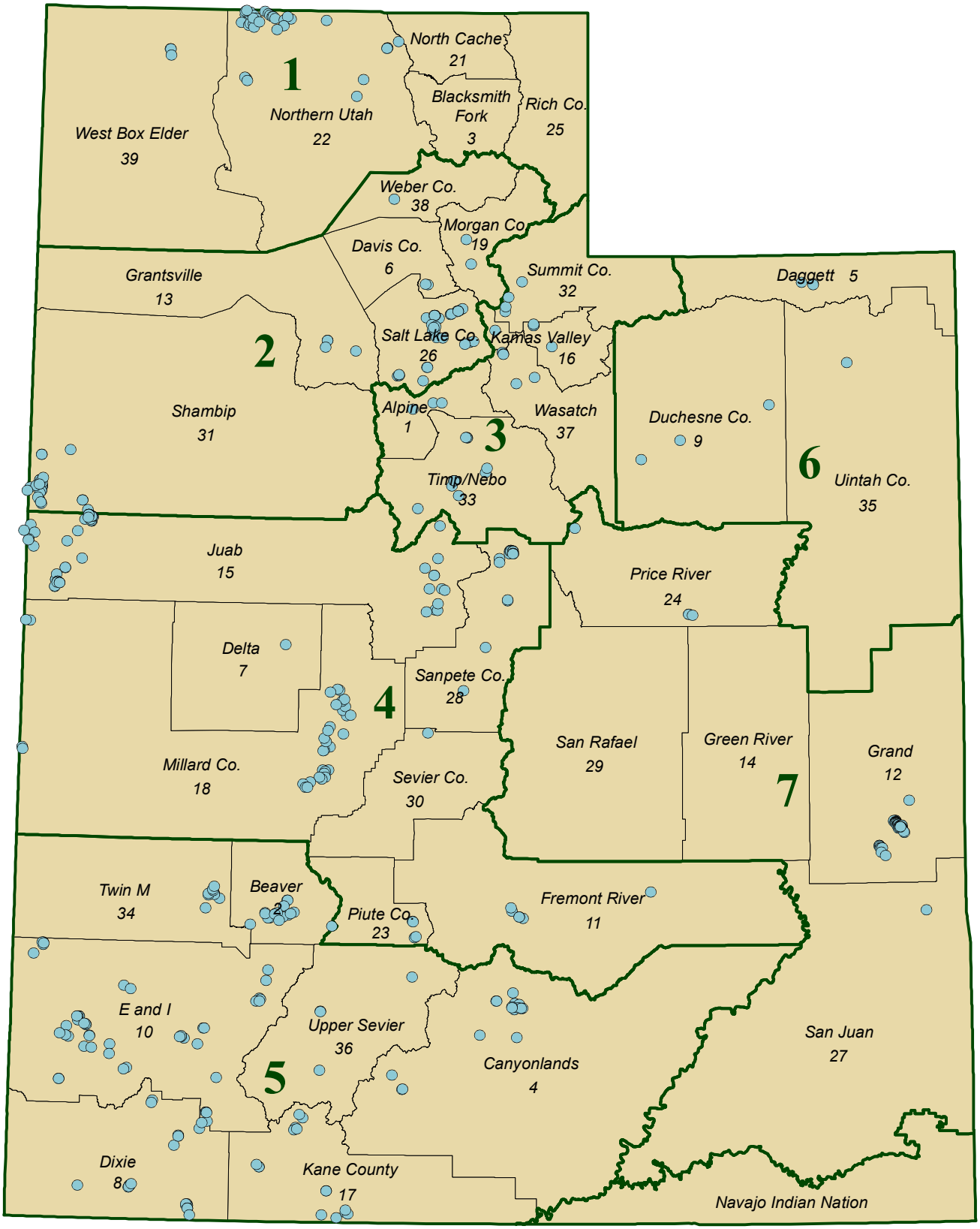
Laboratory Screening for Pesticides

The UDAF laboratory performs a screening analysis of all water samples using four different EPA approved screening methods. The methods are as follows: (1) EPA Method 515.1 used for detecting chlorinated phenoxy acid, (2) EPA Method 505 for detection of chlorinated pesticides and organophosphates, (3) EPA Method 531.1 for detection of carbamates, and (4) an immunoassay method for pesticide residue screening used for detection of chlorinated phenoxy acid and carbamates. The immunoassay method indicates the presence or absence of pesticides in the ground water sample. In the event that a sample tests positive for the presence of pesticides using the screening procedure, a more extensive laboratory process utilizing Gas Chromotography(GC) or High Performance Liquid Chromatography(HPLC) is used to determine

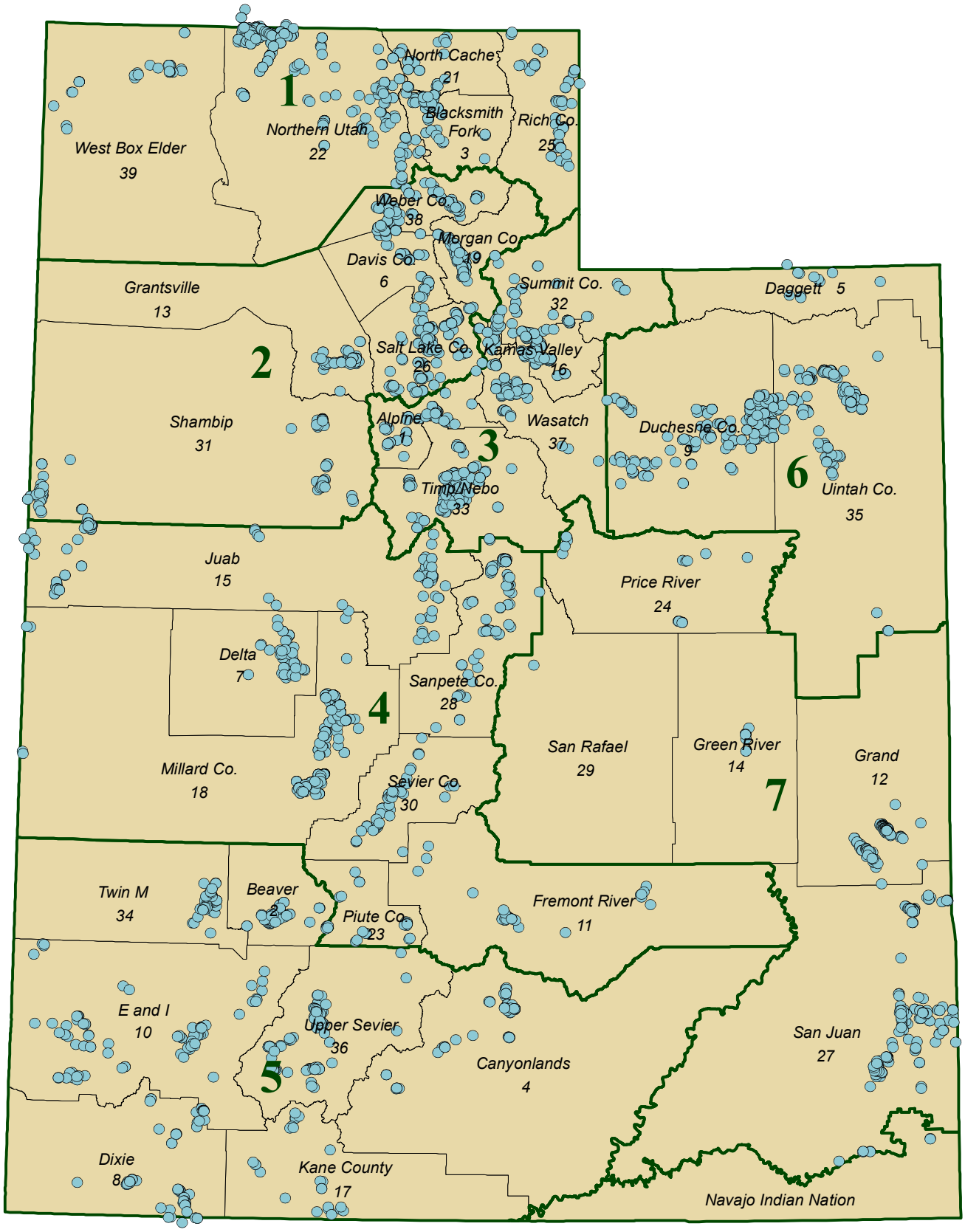
the actual contamination level of the suspected pesticide.

Water wells constructed of materials containing Poly-Vinyl Chloride (PVC) can produce “false positives” using the immunoassay method for pesticide screening. Other environmental conditions can also combine to produce “hits” in the screening procedure which include: welding done on the well head, which can release compounds from the PVC well casing, dead animals in the wells during sampling, and large diameter shallow wells located in the middle of agricultural fields. When these conditions cause positive “hits” in the screening method, the samples are subjected to the more rigorous GC analysis for further quantification and evaluation.

Map 1. 2007 Ground Water Sample Locations



Map 2. Historic Ground Water Sample Locations 1996 - 2007



PRE-SAMPLE INFORMATION FORM

(This is a non-regulatory program. Your personal information is protected under GRAMA provisions.)

Name:_____ **Telephone # :**_____
Address:_____ **Other Telephone #:**_____
City:_____ **Depth of Well:**_____
Conservation District:_____ **Depth of Water:**_____
GPS Coordinates of well (if you have them)_____

Please sketch a map showing how to locate your well (North is the top of the page.) Please give street name, and distances from major intersections or any other landmarks that may be significant.

Can we sample your water on without your being present?_____
Are there instructions we need to sample your well?_____

Would you like your test information to be attached to your Water Right information at the Division of Water Rights? This will allow you to read your report at anytime in the future.

(Please Circle yes or no below.)

YES (Please write your water right number here if you have it)_____ **NO do not attach.**

By signing this form you are giving permission for the State of Utah Department of Agriculture and Food to enter your property and sample your well.

I the undersigned am the lawful agent of the above described well and grant permission to the Utah Department of Agriculture and Food to access and sample the above-described well.

_____ _____
Sign on the above line **Date**

For further information contact:

Mark Quilter,
Ground Water Specialist
(801) 538-9905 Fax: (801) 538-9436
UDAF, 350 North Redwood Road
Box 146500 Salt Lake City, UT 84114-6500

UACD Zone 1 (Box Elder, Cache, and Rich Counties)

Forty-one (41) sites were sampled in two (2) of the five (5) Soil Conservation Districts in Zone 1 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: thirty-eight (38) Northern Utah, and three (3) West Box Elder. No samples were collected in the Blacksmith Fork, North Cache, or Rich County districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 1. The next four columns summarize the number of tests which exceed the standards for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 1 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Northern Utah	38	1520	8	108	159	27
West Box Elder	3	120	0	8	8	0
Zone Totals:	**41**	**1640**	**8**	**116**	**167**	**27**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the Water quality for agriculture 29 Revision 1, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Northern Utah District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7239	8/8/2007	ND	ND	62.6 F (17.0 C)	574	330.0	0.800	214.4	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
2	7240	8/8/2007	POS	POS	67.3 F (19.6 C)	538	301.0	0.800	189.9	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
3	7241	8/8/2007	ND	ND	73.6 F (23.1 C)	1114	560.0	2.500	332.2	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
4	7242	8/8/2007	POS	ND	59.2 F (15.1 C)	1728	1064.	1.700	750.6	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
5	7243	8/8/2007	POS	ND	61.7 F (16.5 C)	3290	1466.	2.600	930.8	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
6	7244	8/8/2007	POS	ND	64.9 F (18.3 C)	3760	1731.	5.200	816.4	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
7	7245	8/8/2007	ND	ND	61.2 F (16.2 C)	3760	1679.	6.600	643.2	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
8	7246	8/8/2007	ND	ND	63.3 F (17.4 C)	1123	594.0	0.900	469.3	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
9	7247	8/8/2007	ND	ND	66.9 F (19.4 C)	1018	569.0	1.100	408.5	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
10	7248	8/8/2007	ND	ND	64.4 F (18.0 C)	942	519.0	0.900	387.7	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
11	7249	8/8/2007	POS	ND	66.7 F (19.3 C)	1929	1287.	1.800	900.3	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
12	7250	8/8/2007	POS	ND	68.2 F (20.1 C)	3180	1422.	5.700	593.0	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
13	7251	8/8/2007	ND	ND	63.9 F (17.7 C)	1985	1219.	2.800	726.4	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
14	7252	8/8/2007	ND	ND	57.0 F (13.9 C)	3110	1358.	5.300	622.4	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
15	7253	8/8/2007	POS	ND	73.6 F (23.1 C)	3480	1509.	11.30	328.5	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
16	7254	8/8/2007	POS	ND	68.4 F (20.2 C)	1350	740.0	3.600	366.2	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
17	7255	8/8/2007	POS	ND	102.2 F (39.0 C)	1600	965.0	2.900	632.3	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
18	7256	8/8/2007	ND	ND	67.8 F (19.9 C)	1516	886.0	3.200	531.6	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
19	7257	8/8/2007	ND	ND	68.5 F (20.3 C)	1671	1038.	4.000	559.6	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
20	7258	8/8/2007	ND	ND	63.1 F (17.3 C)	3000	1288.	3.900	751.8	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
21	7259	8/8/2007	POS	ND	54.5 F (12.5 C)	3580	1679.	4.700	828.5	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
22	7260	8/8/2007	POS	POS	78.6 F (25.9 C)	848	509.0	2.700	245.7	Stream	Vegetated	Gravel	Earth	Open		✔					
23	7302	9/10/2007	ND	ND	55.9 F (13.3 C)	1214	1168.	1.400	762.4	Well	Clay Soil	Soil	Steel	Open	✔	✔					
24	7303	9/10/2007	POS	ND	57.0 F (13.9 C)	797	460.0	1.000	314.6	Well	Gravel	Well House	Steel	Open	✔	✔					
25	7304	9/10/2007	POS	ND	61.9 F (16.6 C)	1106	647.0	2.800	318.4	Well	Livestock	Covered	Steel	Sealed		✔					
26	7305	9/10/2007	ND	ND	52.5 F (11.4 C)	1477	882.0	4.900	352.5	Well	Vegetated	Pit Concrete	Steel	Sealed	✔	✔					
27	7306	9/10/2007	ND	ND	61.7 F (16.5 C)	456	281.0	0.600	193.5	Well	Clay Soil	Concrete Pad	Steel	Sealed		✔					
28	7307	9/10/2007	ND	ND	60.4 F (15.8 C)	587	344.0	0.600	259.2	Well	Clay Soil	Concrete Pad	Steel	Sealed		✔					
29	7308	9/10/2007	POS	ND	64.4 F (18.0 C)	1375	831.0	9.000	149.4	Well	Livestock	Gravel	Steel	Sealed							
30	7309	9/10/2007	POS	ND	95.7 F (35.4 C)	1322	871.0	2.700	504.7	Well	Livestock	Covered	PVC	Sealed	✔	✔					
31	7310	9/10/2007	POS	ND	67.5 F (19.7 C)	4280	1959.	11.30	496.7	Spring	Vegetated	Natural	Earth	Open					✔		
32	7311	9/10/2007	POS	POS	66.6 F (19.2 C)	5170	2524.	14.90	494.0	Spring	Vegetated	Natural	Earth	Open					✔		
33	7312	9/10/2007	POS	POS	66.6 F (19.2 C)	5270	2457.	14.30	557.2	Spring	Vegetated	Natural	Earth	Open					✔		
34	7360	10/22/2007	ND	ND	57.7 F (14.3 C)	842	480.0	1.700	277.1	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
35	7361	10/22/2007	ND	ND	56.1 F (13.4 C)	675	387.0	1.500	227.4	Well	Vegetated	Natural	PVC	Sealed		✔			✔		
36	7362	10/22/2007	POS	ND	52.9 F (11.6 C)	1786	1184	72.80	638.7	Pond	Vegetated	Soil	Rock	Open		✔					
37	7363	10/22/2007	POS	ND	52.0 F (11.1 C)	1278	7514.	53.60	545.9	Spring	Vegetated	Soil	Rock	Open		✔					
38	7364	10/22/2007	POS	POS	50.5 F (10.3 C)	2310	1156.	7.800	385.4	Pond	Vegetated	Soil	Rock	Open		✔					
Bacteria Positive Sample Count			**21**	**5**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7239	8/15/2007	ND	0.0405	ND	60.1254	70.7330	ND	ND	0.0029	0.0116	ND	ND	189.0290	7.1350	0.0151	15.5518
2	7240	8/15/2007	ND	0.0400	ND	54.9531	58.6239	ND	ND	0.0022	0.0148	ND	ND	168.4300	11.7152	0.0160	12.7491
3	7241	8/25/2007	ND	0.0990	ND	81.6193	253.8703	ND	ND	0.0027	0.0035	ND	ND	ND	24.5146	0.0524	31.1075
4	7242	8/15/2007	ND	0.1025	ND	209.4533	510.6673	ND	ND	0.0028	0.0104	ND	ND	172.8660	15.7013	0.0467	55.0987
5	7243	8/15/2007	ND	0.1143	ND	250.8977	758.6313	0.0019	ND	0.0015	0.0070	ND	ND	177.6350	21.1447	0.0691	73.6855
6	7244	8/15/2007	ND	0.1215	ND	216.6680	838.6017	ND	ND	0.0036	0.0118	ND	ND	220.4550	24.8542	0.0959	66.6840
7	7245	8/15/2007	ND	0.1362	ND	166.5343	791.5043	ND	ND	0.0025	0.0141	ND	ND	255.7490	22.9864	0.1110	55.0585
8	7246	8/15/2007	ND	0.0512	ND	135.7292	235.4652	ND	ND	0.0022	0.0041	ND	ND	159.3330	12.1631	0.0236	31.5412
9	7247	8/15/2007	ND	0.0550	ND	114.4850	216.9542	ND	ND	0.0028	0.0139	ND	ND	164.2430	15.7237	0.0282	29.6851
10	7248	8/15/2007	ND	0.0501	ND	111.7216	187.9240	ND	ND	0.0029	0.0075	ND	ND	166.0740	13.0297	0.0230	26.3063
11	7249	8/15/2007	ND	0.0597	ND	253.0218	666.8636	ND	ND	0.0024	0.0094	ND	ND	149.3730	19.3561	0.0446	64.9848
12	7250	8/15/2007	ND	0.1037	ND	159.0488	559.8114	0.0155	ND	0.0037	0.0117	ND	ND	268.9220	23.5360	0.1022	47.4192
13	7251	8/15/2007	ND	0.0853	ND	198.7831	570.7853	ND	ND	0.0032	0.0108	ND	ND	187.2560	17.7152	0.0623	55.7020
14	7252	8/15/2007	ND	0.1100	ND	148.5752	553.3844	ND	ND	0.0023	0.0117	ND	ND	279.4380	15.9352	0.1070	60.9206
15	7253	8/15/2007	ND	0.0979	ND	77.9518	752.6603	ND	ND	0.0023	0.0135	ND	ND	231.3470	9.4434	0.1439	32.4343
16	7254	8/15/2007	ND	0.0580	ND	81.5563	306.8955	ND	ND	0.0006	0.0131	ND	ND	208.9030	5.0365	0.0510	39.4052
17	7255	8/15/2007	ND	0.0714	ND	141.9341	400.0290	0.0024	ND	0.0012	0.0122	ND	ND	225.0790	6.4628	0.0531	67.3496
18	7256	8/15/2007	ND	0.0748	ND	118.9384	371.5086	0.0079	ND	0.0021	0.0075	ND	ND	211.4730	6.4685	0.0526	56.8503
19	7257	8/15/2007	ND	0.1007	ND	126.3439	426.5555	0.0087	ND	0.0013	0.0137	ND	ND	226.3830	8.8726	0.0692	59.1601
20	7258	8/15/2007	ND	0.1140	ND	181.6216	505.5496	0.0043	ND	0.0015	0.0067	ND	ND	239.8200	18.3084	0.1080	72.2706
21	7259	8/15/2007	ND	0.1638	ND	179.3907	596.2602	ND	ND	0.0027	0.0106	ND	ND	318.0380	19.3918	0.1115	92.2407
22	7260	8/15/2007	ND	0.1027	ND	53.7211	129.2114	ND	26.3789	0.0013	0.0079	ND	ND	234.0130	7.7526	0.0454	27.0467
23	7302	9/13/2007	ND	0.3515	ND	222.3181	95.3060	ND	ND	0.0031	0.0195	ND	ND	442.9390	34.1644	0.1891	50.1566
24	7303	9/13/2007	ND	0.0863	ND	98.5789	156.5847	ND	ND	0.0007	0.0098	ND	ND	155.5820	10.8741	0.0233	16.5393
25	7304	9/13/2007	ND	0.1420	ND	58.3888	217.0324	ND	ND	0.0011	0.0013	ND	0.0736	257.5350	25.8936	0.1056	41.8584
26	7305	9/13/2007	ND	0.1125	ND	84.2885	323.9666	ND	ND	0.0011	0.0022	ND	ND	288.9350	9.3904	0.0677	34.4040
27	7306	9/13/2007	ND	0.0339	ND	57.2013	48.6074	ND	ND	0.0020	0.0018	ND	ND	178.5370	8.0902	0.0117	12.2545
28	7307	9/13/2007	ND	0.0354	ND	75.8041	88.0491	ND	ND	0.0026	0.0059	ND	ND	178.9670	6.9816	0.0129	16.9104
29	7308	9/13/2007	ND	0.1828	ND	35.5150	290.6508	ND	ND	0.0062	0.0076	ND	ND	283.1960	9.5679	0.0965	14.7109
30	7309	9/13/2007	ND	0.1130	ND	82.5418	274.3524	ND	ND	0.0010	0.0102	ND	ND	251.9880	11.7944	0.1046	72.4155
31	7310	9/13/2007	ND	0.2017	ND	109.2407	991.8081	ND	ND	0.0013	0.0061	ND	ND	186.2740	35.7212	0.2469	54.2595
32	7311	9/13/2007	ND	0.3343	ND	88.3001	1353.3360	ND	56.2143	0.0005	0.0210	ND	ND	52.5671	49.4105	0.3852	66.3261
33	7312	9/13/2007	ND	0.2253	ND	111.4124	1245.7700	ND	ND	0.0027	0.0098	ND	ND	196.4470	33.5192	0.2469	67.6421
34	7360	10/25/2007	ND	0.1443	ND	47.6479	55.2080	ND	ND	0.0016	0.0177	ND	ND	382.0060	17.5705	0.1000	38.3389
35	7361	10/25/2007	ND	0.1323	ND	41.1857	16.3091	ND	ND	0.0014	0.0059	ND	ND	319.7060	14.1180	0.0460	30.2097
36	7362	10/25/2007	ND	2.4970	ND	93.5795	6639.6450	0.0004	ND	0.0018	0.0098	ND	ND	390.5920	195.3970	2.6110	98.2426
37	7363	10/25/2007	ND	1.3260	ND	90.0041	4127.3890	ND	25.4800	0.0008	0.0099	ND	0.0118	176.7630	137.7996	1.4190	77.8966
38	7364	10/25/2007	ND	0.2371	ND	58.5982	409.1398	ND	15.8492	0.0013	0.0143	ND	ND	327.6840	24.6416	0.1572	57.9979
Test Count that Exceeded Standard			0	2	0	0	33	0	0	0	0	0	0	36	0	1	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7239	8/15/2007	ND	0.0011	28.5756	ND	ND	ND	0.8000	ND	330.0000	0.0044	0.0027
2	7240	8/15/2007	0.0008	0.0009	25.1794	ND	ND	ND	0.8000	ND	301.0000	0.0038	0.0033
3	7241	8/25/2007	0.0007	0.0023	105.7798	ND	ND	ND	2.5000	ND	560.0000	0.0044	0.0029
4	7242	8/15/2007	0.0005	0.0006	110.0080	ND	ND	ND	1.7000	ND	1064.0000	0.0040	0.0100
5	7243	8/15/2007	0.0046	0.0008	184.1032	ND	ND	ND	2.6000	ND	1466.0000	0.0047	0.0046
6	7244	8/15/2007	ND	0.0009	339.4756	ND	ND	ND	5.2000	0.0049	1731.0000	0.0064	0.0048
7	7245	8/15/2007	0.0005	0.0011	384.4725	ND	ND	ND	6.6000	ND	1679.0000	0.0064	0.0052
8	7246	8/15/2007	ND	0.0007	45.8048	ND	ND	ND	0.9000	ND	594.0000	0.0036	0.0026
9	7247	8/15/2007	0.0003	0.0009	51.1742	ND	ND	ND	1.1000	ND	569.0000	0.0040	0.0067
10	7248	8/15/2007	ND	0.0008	40.1042	ND	ND	ND	0.9000	ND	519.0000	0.0040	0.0035
11	7249	8/15/2007	ND	0.0006	123.6999	ND	ND	ND	1.8000	0.0041	1287.0000	0.0042	0.0052
12	7250	8/15/2007	ND	0.0009	321.2809	ND	ND	ND	5.7000	0.0066	1422.0000	0.0065	0.0075
13	7251	8/15/2007	0.0016	0.0007	173.7016	ND	0.0053	ND	2.8000	0.0043	1219.0000	0.0051	0.0418
14	7252	8/15/2007	ND	0.0009	302.7773	ND	ND	ND	5.3000	0.0046	1358.0000	0.0041	0.0042
15	7253	8/15/2007	0.0003	0.0008	472.2614	ND	ND	ND	11.3000	ND	1509.0000	0.0024	0.0327
16	7254	8/15/2007	0.0003	0.0005	156.2023	ND	ND	ND	3.6000	ND	740.0000	ND	0.0041
17	7255	8/15/2007	0.1160	0.0005	169.6590	ND	ND	ND	2.9000	0.0046	965.0000	ND	0.0063
18	7256	8/15/2007	0.0004	ND	168.7579	ND	ND	ND	3.2000	ND	886.0000	ND	0.0038
19	7257	8/15/2007	0.0003	0.0005	214.8313	ND	ND	ND	4.0000	0.0054	1038.0000	ND	0.0076
20	7258	8/15/2007	ND	0.0007	246.5909	ND	ND	ND	3.9000	0.0114	1288.0000	0.0035	0.0036
21	7259	8/15/2007	0.0033	0.0024	312.4949	ND	ND	ND	4.7000	0.0061	1679.0000	0.0054	0.0068
22	7260	8/15/2007	0.0037	0.0018	98.7278	ND	ND	ND	2.7000	ND	509.0000	0.0051	ND
23	7302	9/13/2007	0.0008	0.0308	86.2394	0.0014	ND	ND	1.4000	0.0059	1168.0000	0.0077	0.0075
24	7303	9/13/2007	0.0017	0.0005	41.4449	0.0008	ND	ND	1.0000	ND	460.0000	0.0026	0.8599
25	7304	9/13/2007	0.0194	ND	113.6943	ND	ND	ND	2.8000	ND	647.0000	ND	0.0030
26	7305	9/13/2007	0.0042	0.0020	211.3855	ND	ND	ND	4.9000	ND	882.0000	0.0027	0.1507
27	7306	9/13/2007	ND	0.0007	17.7595	ND	ND	ND	0.6000	ND	281.0000	0.0030	ND
28	7307	9/13/2007	ND	0.0008	21.0332	ND	ND	ND	0.6000	ND	344.0000	0.0033	0.0027
29	7308	9/13/2007	0.0016	0.0118	253.3327	ND	ND	ND	9.0000	ND	831.0000	0.0038	0.0137
30	7309	9/13/2007	0.0016	ND	139.6893	ND	ND	ND	2.7000	ND	871.0000	0.0071	0.1730
31	7310	9/13/2007	0.0018	0.0018	576.4304	ND	ND	ND	11.3000	ND	1959.0000	0.0058	0.0027
32	7311	9/13/2007	0.0005	0.0021	762.6202	0.0010	ND	ND	14.9000	ND	2524.0000	0.0045	ND
33	7312	9/13/2007	0.0062	0.0019	777.0093	0.0013	ND	ND	14.3000	ND	2457.0000	0.0066	0.0033
34	7360	10/25/2007	0.0048	0.0040	65.2056	ND	ND	ND	1.7000	ND	480.0000	0.0050	0.0480
35	7361	10/25/2007	0.0137	0.0162	51.8412	ND	ND	ND	1.5000	ND	387.0000	ND	0.1141
36	7362	10/25/2007	0.0006	0.0015	4228.3430	0.0023	ND	ND	72.8000	ND	11848.000	ND	0.0046
37	7363	10/25/2007	0.0007	0.0014	2876.8860	0.0014	ND	ND	53.6000	ND	7514.0000	ND	ND
38	7364	10/25/2007	0.0007	0.0039	353.0873	0.0012	ND	ND	7.8000	ND	1156.0000	0.0030	ND
Test Count that Exceeded Standard:			0	3	28	0	0	0	18	0	38	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7239	8/15/2007	ND	0.0042	0.0405	ND	ND	ND	0.0029	0.0116	ND	ND	ND	ND	7.7400	ND	ND	330.0000	0.0027
2	7240	8/15/2007	ND	0.0026	0.0400	ND	ND	ND	0.0022	0.0148	ND	ND	ND	ND	7.8300	ND	ND	301.0000	0.0033
3	7241	8/25/2007	ND	0.0047	0.0990	ND	ND	ND	0.0027	0.0035	ND	ND	ND	ND	ND	ND	ND	560.0000	0.0029
4	7242	8/15/2007	ND	0.0026	0.1025	ND	ND	ND	0.0028	0.0104	ND	ND	ND	ND	7.7200	ND	49.3783	1064.0000	0.0100
5	7243	8/15/2007	ND	0.0032	0.1143	ND	ND	0.0019	0.0015	0.0070	ND	ND	ND	ND	7.5800	ND	60.3175	1466.0000	0.0046
6	7244	8/15/2007	ND	0.0030	0.1215	ND	ND	ND	0.0036	0.0118	ND	ND	15.9336	ND	7.5200	0.0049	92.0641	1731.0000	0.0048
7	7245	8/15/2007	ND	0.0033	0.1362	ND	ND	ND	0.0025	0.0141	ND	ND	ND	ND	7.5700	ND	104.6116	1679.0000	0.0052
8	7246	8/15/2007	ND	0.0019	0.0512	ND	ND	ND	0.0022	0.0041	ND	ND	ND	ND	7.7700	ND	ND	594.0000	0.0026
9	7247	8/15/2007	ND	0.0023	0.0550	ND	ND	ND	0.0028	0.0139	ND	ND	ND	ND	7.6700	ND	ND	569.0000	0.0067
10	7248	8/15/2007	ND	0.0023	0.0501	ND	ND	ND	0.0029	0.0075	ND	ND	ND	ND	7.6700	ND	ND	519.0000	0.0035
11	7249	8/15/2007	ND	0.0021	0.0597	ND	ND	ND	0.0024	0.0094	ND	ND	24.5594	ND	7.5400	0.0041	ND	1287.0000	0.0052
12	7250	8/15/2007	ND	0.0029	0.1037	ND	ND	0.0155	0.0037	0.0117	ND	ND	13.2638	ND	7.7300	0.0066	134.0554	1422.0000	0.0075
13	7251	8/15/2007	ND	0.0026	0.0853	ND	ND	ND	0.0032	0.0108	ND	ND	16.2696	0.0053	7.5800	0.0043	67.0257	1219.0000	0.0418
14	7252	8/15/2007	ND	0.0028	0.1100	ND	ND	ND	0.0023	0.0117	ND	ND	ND	ND	7.8100	0.0046	113.4306	1358.0000	0.0042
15	7253	8/15/2007	ND	0.0036	0.0979	ND	ND	ND	0.0023	0.0135	ND	ND	ND	ND	7.9600	ND	39.2778	1509.0000	0.0327
16	7254	8/15/2007	ND	0.0020	0.0580	ND	ND	ND	0.0006	0.0131	ND	ND	ND	ND	7.8900	ND	36.5235	740.0000	0.0041
17	7255	8/15/2007	ND	ND	0.0714	ND	ND	0.0024	0.0012	0.0122	ND	ND	ND	ND	7.8300	0.0046	58.8929	965.0000	0.0063
18	7256	8/15/2007	ND	0.0020	0.0748	ND	ND	0.0079	0.0021	0.0075	ND	ND	ND	ND	7.8600	ND	42.6586	886.0000	0.0038
19	7257	8/15/2007	ND	0.0037	0.1007	ND	ND	0.0087	0.0013	0.0137	ND	ND	ND	ND	7.8400	0.0054	75.4106	1038.0000	0.0076
20	7258	8/15/2007	ND	0.0056	0.1140	ND	ND	0.0043	0.0015	0.0067	ND	ND	11.1404	ND	7.7500	0.0114	112.0450	1288.0000	0.0036
21	7259	8/15/2007	ND	0.0086	0.1638	ND	ND	ND	0.0027	0.0106	ND	ND	ND	ND	7.6200	0.0061	298.5907	1679.0000	0.0068
22	7260	8/15/2007	ND	0.0053	0.1027	ND	ND	ND	0.0013	0.0079	ND	ND	ND	ND	8.6800	ND	45.0831	509.0000	ND
23	7302	9/13/2007	ND	0.0069	0.3515	ND	ND	ND	0.0031	0.0195	ND	ND	31.4037	ND	7.4700	0.0059	410.9658	1168.0000	0.0075
24	7303	9/13/2007	ND	0.0023	0.0863	ND	ND	ND	0.0007	0.0098	ND	ND	9.8976	ND	7.7100	ND	ND	460.0000	0.8599
25	7304	9/13/2007	ND	ND	0.1420	ND	ND	ND	0.0011	0.0013	ND	ND	ND	ND	7.9900	ND	ND	647.0000	0.0030
26	7305	9/13/2007	ND	0.0029	0.1125	ND	ND	ND	0.0011	0.0022	ND	ND	ND	ND	7.5900	ND	58.2857	882.0000	0.1507
27	7306	9/13/2007	ND	0.0026	0.0339	ND	ND	ND	0.0020	0.0018	ND	ND	ND	ND	7.8200	ND	ND	281.0000	ND
28	7307	9/13/2007	ND	0.0031	0.0354	ND	ND	ND	0.0026	0.0059	ND	ND	ND	ND	7.7400	ND	ND	344.0000	0.0027
29	7308	9/13/2007	ND	0.0145	0.1828	ND	ND	ND	0.0062	0.0076	ND	ND	ND	ND	7.8600	ND	78.1534	831.0000	0.0137
30	7309	9/13/2007	ND	0.0028	0.1130	ND	ND	ND	0.0010	0.0102	ND	ND	ND	ND	7.9600	ND	144.2369	871.0000	0.1730
31	7310	9/13/2007	ND	0.0027	0.2017	ND	ND	ND	0.0013	0.0061	ND	ND	ND	ND	8.3500	ND	84.0372	1959.0000	0.0027
32	7311	9/13/2007	ND	0.0048	0.3343	ND	ND	ND	0.0005	0.0210	ND	ND	ND	ND	9.3000	ND	110.1559	2524.0000	ND
33	7312	9/13/2007	ND	0.0047	0.2253	ND	ND	ND	0.0027	0.0098	ND	ND	ND	ND	8.2900	ND	109.6671	2457.0000	0.0033
34	7360	10/25/2007	ND	0.0023	0.1443	ND	ND	ND	0.0016	0.0177	ND	ND	9.3467	ND	7.5800	ND	37.3615	480.0000	0.0480
35	7361	10/25/2007	ND	0.0233	0.1323	ND	ND	ND	0.0014	0.0059	ND	ND	ND	ND	7.6400	ND	49.5828	387.0000	0.1141
36	7362	10/25/2007	ND	0.0171	2.4970	ND	ND	0.0004	0.0018	0.0098	ND	ND	ND	ND	8.2300	ND	397.9874	11848.000	0.0046
37	7363	10/25/2007	ND	0.0153	1.3260	ND	ND	ND	0.0008	0.0099	ND	ND	ND	ND	8.6300	ND	91.0935	7514.0000	ND
38	7364	10/25/2007	ND	0.0072	0.2371	ND	ND	ND	0.0013	0.0143	ND	ND	ND	ND	8.4900	ND	68.4760	1156.0000	ND
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	5	0	3	19	0

ND - Not Detected

Culinary:

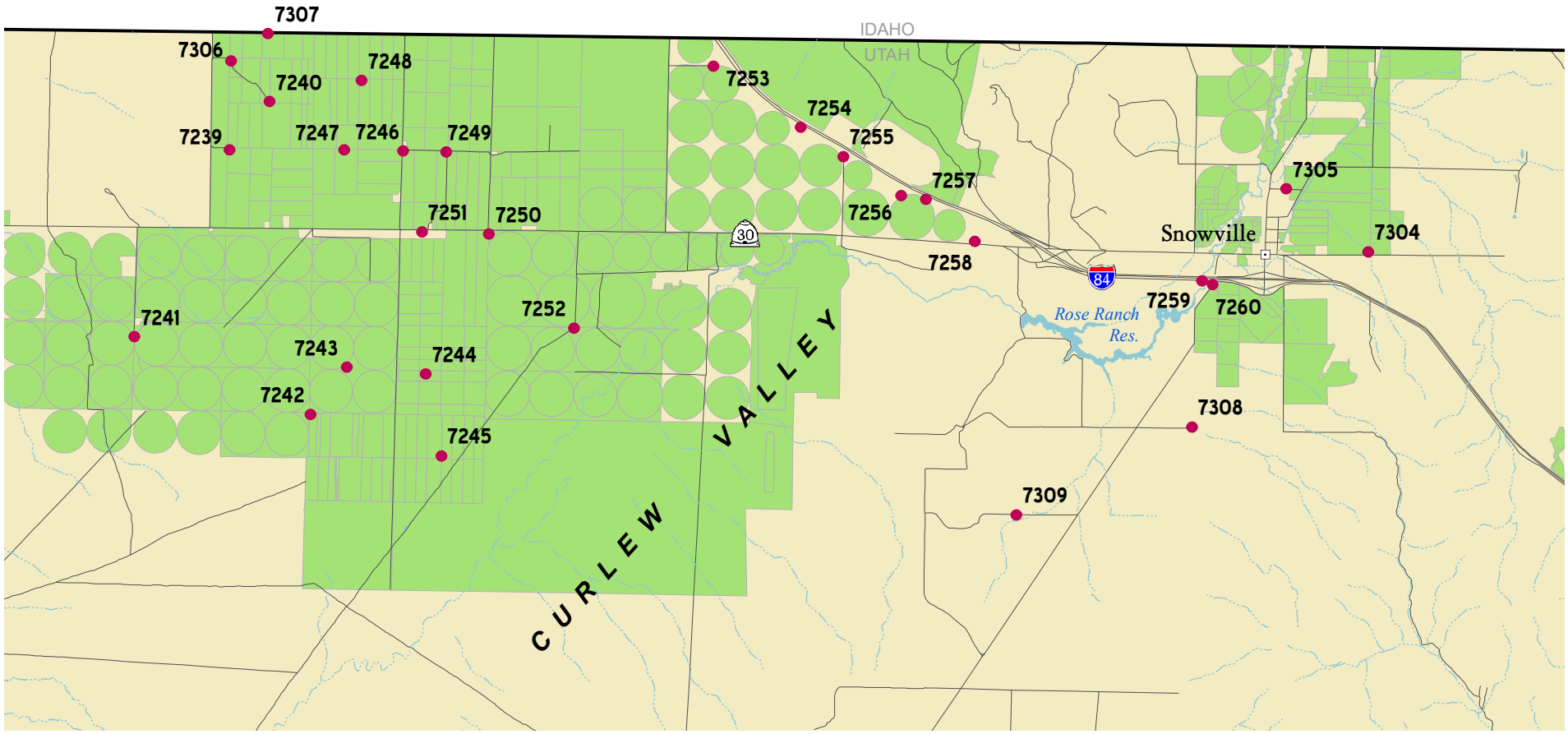
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7239	8/15/2007	0.0042	0.0989	ND	ND	ND	0.0029	0.0116	ND	ND	28.5756	ND	ND	ND	ND	ND	330.0000
2	7240	8/15/2007	0.0026	0.1327	ND	ND	ND	0.0022	0.0148	ND	ND	25.1794	ND	ND	ND	ND	ND	301.0000
3	7241	8/25/2007	0.0047	0.1660	ND	ND	ND	0.0027	0.0035	ND	ND	105.7798	ND	ND	ND	ND	ND	560.0000
4	7242	8/15/2007	0.0026	0.2963	ND	ND	ND	0.0028	0.0104	ND	ND	110.0080	ND	ND	ND	ND	49.3783	1064.0000
5	7243	8/15/2007	0.0032	0.1645	ND	ND	ND	0.0015	0.0070	ND	ND	184.1032	ND	ND	ND	ND	60.3175	1466.0000
6	7244	8/15/2007	0.0030	0.1607	ND	ND	ND	0.0036	0.0118	ND	ND	339.4756	ND	15.9336	ND	0.0049	92.0641	1731.0000
7	7245	8/15/2007	0.0033	0.1183	ND	ND	ND	0.0025	0.0141	ND	ND	384.4725	ND	ND	ND	ND	104.6116	1679.0000
8	7246	8/15/2007	0.0019	0.2391	ND	ND	ND	0.0022	0.0041	ND	ND	45.8048	ND	ND	ND	ND	ND	594.0000
9	7247	8/15/2007	0.0023	0.1870	ND	ND	ND	0.0028	0.0139	ND	ND	51.1742	ND	ND	ND	ND	ND	569.0000
10	7248	8/15/2007	0.0023	0.2260	ND	ND	ND	0.0029	0.0075	ND	ND	40.1042	ND	ND	ND	ND	ND	519.0000
11	7249	8/15/2007	0.0021	0.3172	ND	ND	ND	0.0024	0.0094	ND	ND	123.6999	ND	24.5594	ND	0.0041	ND	1287.0000
12	7250	8/15/2007	0.0029	0.0530	ND	ND	ND	0.0037	0.0117	ND	ND	321.2809	ND	13.2638	ND	0.0066	134.0554	1422.0000
13	7251	8/15/2007	0.0026	0.1318	ND	ND	ND	0.0032	0.0108	ND	ND	173.7016	ND	16.2696	0.0053	0.0043	67.0257	1219.0000
14	7252	8/15/2007	0.0028	0.0594	ND	ND	ND	0.0023	0.0117	ND	ND	302.7773	ND	ND	ND	0.0046	113.4306	1358.0000
15	7253	8/15/2007	0.0036	0.0904	ND	ND	ND	0.0023	0.0135	ND	ND	472.2614	ND	ND	ND	ND	39.2778	1509.0000
16	7254	8/15/2007	0.0020	0.1090	ND	ND	ND	0.0006	0.0131	ND	ND	156.2023	ND	ND	ND	ND	36.5235	740.0000
17	7255	8/15/2007	ND	0.1940	ND	ND	ND	0.0012	0.0122	ND	ND	169.6590	ND	ND	ND	0.0046	58.8929	965.0000
18	7256	8/15/2007	0.0020	0.1814	ND	ND	ND	0.0021	0.0075	ND	ND	168.7579	ND	ND	ND	ND	42.6586	886.0000
19	7257	8/15/2007	0.0037	0.1345	ND	ND	ND	0.0013	0.0137	ND	ND	214.8313	ND	ND	ND	0.0054	75.4106	1038.0000
20	7258	8/15/2007	0.0056	0.1281	ND	ND	ND	0.0015	0.0067	ND	ND	246.5909	ND	11.1404	ND	0.0114	112.0450	1288.0000
21	7259	8/15/2007	0.0086	0.0534	ND	ND	ND	0.0027	0.0106	ND	ND	312.4949	ND	ND	ND	0.0061	298.5907	1679.0000
22	7260	8/15/2007	0.0053	0.0688	ND	ND	ND	0.0013	0.0079	ND	ND	98.7278	ND	ND	ND	ND	45.0831	509.0000
23	7302	9/13/2007	0.0069	0.0227	ND	ND	ND	0.0031	0.0195	ND	ND	86.2394	0.0014	31.4037	ND	0.0059	410.9658	1168.0000
24	7303	9/13/2007	0.0023	0.2098	ND	ND	ND	0.0007	0.0098	ND	ND	41.4449	0.0008	9.8976	ND	ND	ND	460.0000
25	7304	9/13/2007	ND	0.1706	ND	ND	ND	0.0011	0.0013	ND	ND	113.6943	ND	ND	ND	ND	ND	647.0000
26	7305	9/13/2007	0.0029	0.1011	ND	ND	ND	0.0011	0.0022	ND	ND	211.3855	ND	ND	ND	ND	58.2857	882.0000
27	7306	9/13/2007	0.0026	0.1217	ND	ND	ND	0.0020	0.0018	ND	ND	17.7595	ND	ND	ND	ND	ND	281.0000
28	7307	9/13/2007	0.0031	0.1237	ND	ND	ND	0.0026	0.0059	ND	ND	21.0332	ND	ND	ND	ND	ND	344.0000
29	7308	9/13/2007	0.0145	0.0352	ND	ND	ND	0.0062	0.0076	ND	ND	253.3327	ND	ND	ND	ND	78.1534	831.0000
30	7309	9/13/2007	0.0028	0.0744	ND	ND	ND	0.0010	0.0102	ND	ND	139.6893	ND	ND	ND	ND	144.2369	871.0000
31	7310	9/13/2007	0.0027	0.0686	ND	ND	ND	0.0013	0.0061	ND	ND	576.4304	ND	ND	ND	ND	84.0372	1959.0000
32	7311	9/13/2007	0.0048	0.0729	ND	ND	ND	0.0005	0.0210	ND	ND	762.6202	0.0010	ND	ND	ND	110.1559	2524.0000
33	7312	9/13/2007	0.0047	0.0666	ND	ND	ND	0.0027	0.0098	ND	ND	777.0093	0.0013	ND	ND	ND	109.6671	2457.0000
34	7360	10/25/2007	0.0023	0.0894	ND	ND	ND	0.0016	0.0177	ND	ND	65.2056	ND	9.3467	ND	ND	37.3615	480.0000
35	7361	10/25/2007	0.0233	0.0341	ND	ND	ND	0.0014	0.0059	ND	ND	51.8412	ND	ND	ND	ND	49.5828	387.0000
36	7362	10/25/2007	0.0171	0.2294	ND	ND	ND	0.0018	0.0098	ND	ND	4228.3430	0.0023	ND	ND	ND	397.9874	11848.000
37	7363	10/25/2007	0.0153	0.2165	ND	ND	ND	0.0008	0.0099	ND	ND	2876.8860	0.0014	ND	ND	ND	91.0935	7514.0000
38	7364	10/25/2007	0.0072	0.0918	ND	ND	ND	0.0013	0.0143	ND	ND	353.0873	0.0012	ND	ND	ND	68.4760	1156.0000
Test Count that Exceeded Standard			4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7239	8/15/2007	ND	ND	70.7330	0.0116	ND	ND	214.4000	ND	7.7400	28.3637	ND	330.0000	0.0027
2	7240	8/15/2007	ND	ND	58.6239	0.0148	ND	ND	189.9000	0.0008	7.8300	32.5016	ND	301.0000	0.0033
3	7241	8/25/2007	ND	ND	253.8703	0.0035	ND	ND	332.2000	0.0007	ND	36.3361	ND	560.0000	0.0029
4	7242	8/15/2007	ND	ND	510.6673	0.0104	ND	ND	750.6000	0.0005	7.7200	25.4878	49.3783	1064.0000	0.0100
5	7243	8/15/2007	ND	ND	758.6313	0.0070	ND	ND	930.8000	0.0046	7.5800	27.3179	60.3175	1466.0000	0.0046
6	7244	8/15/2007	ND	ND	838.6017	0.0118	ND	ND	816.4000	ND	7.5200	27.9011	92.0641	1731.0000	0.0048
7	7245	8/15/2007	ND	ND	791.5043	0.0141	ND	ND	643.2000	0.0005	7.5700	24.5188	104.6116	1679.0000	0.0052
8	7246	8/15/2007	ND	ND	235.4652	0.0041	ND	ND	469.3000	ND	7.7700	26.3783	ND	594.0000	0.0026
9	7247	8/15/2007	ND	ND	216.9542	0.0139	ND	ND	408.5000	0.0003	7.6700	32.9165	ND	569.0000	0.0067
10	7248	8/15/2007	ND	ND	187.9240	0.0075	ND	ND	387.7000	ND	7.6700	30.1560	ND	519.0000	0.0035
11	7249	8/15/2007	ND	ND	666.8636	0.0094	ND	ND	900.3000	ND	7.5400	29.0434	ND	1287.0000	0.0052
12	7250	8/15/2007	ND	ND	559.8114	0.0117	ND	ND	593.0000	ND	7.7300	30.6053	134.0554	1422.0000	0.0075
13	7251	8/15/2007	ND	ND	570.7853	0.0108	ND	ND	726.4000	0.0016	7.5800	26.7288	67.0257	1219.0000	0.0418
14	7252	8/15/2007	ND	ND	553.3844	0.0117	ND	ND	622.4000	ND	7.8100	20.1159	113.4306	1358.0000	0.0042
15	7253	8/15/2007	ND	ND	752.6603	0.0135	ND	ND	328.5000	0.0003	7.9600	9.5634	39.2778	1509.0000	0.0327
16	7254	8/15/2007	ND	ND	306.8955	0.0131	ND	ND	366.2000	0.0003	7.8900	9.3511	36.5235	740.0000	0.0041
17	7255	8/15/2007	ND	ND	400.0290	0.0122	ND	ND	632.3000	0.1160	7.8300	8.5072	58.8929	965.0000	0.0063
18	7256	8/15/2007	ND	ND	371.5086	0.0075	ND	ND	531.6000	0.0004	7.8600	10.7045	42.6586	886.0000	0.0038
19	7257	8/15/2007	ND	ND	426.5555	0.0137	ND	ND	559.6000	0.0003	7.8400	9.9066	75.4106	1038.0000	0.0076
20	7258	8/15/2007	ND	ND	505.5496	0.0067	ND	ND	751.8000	ND	7.7500	21.8510	112.0450	1288.0000	0.0036
21	7259	8/15/2007	ND	ND	596.2602	0.0106	ND	ND	828.5000	0.0033	7.6200	23.5825	298.5907	1679.0000	0.0068
22	7260	8/15/2007	ND	ND	129.2114	0.0079	ND	ND	245.7000	0.0037	8.6800	5.8733	45.0831	509.0000	ND
23	7302	9/13/2007	ND	ND	95.3060	0.0195	ND	ND	762.4000	0.0008	7.4700	18.5082	410.9658	1168.0000	0.0075
24	7303	9/13/2007	ND	ND	156.5847	0.0098	ND	ND	314.6000	0.0017	7.7100	30.3941	ND	460.0000	0.8599
25	7304	9/13/2007	ND	ND	217.0324	0.0013	ND	0.0736	318.4000	0.0194	7.9900	36.0833	ND	647.0000	0.0030
26	7305	9/13/2007	ND	ND	323.9666	0.0022	ND	ND	352.5000	0.0042	7.5900	16.0171	58.2857	882.0000	0.1507
27	7306	9/13/2007	ND	ND	48.6074	0.0018	ND	ND	193.5000	ND	7.8200	28.4064	ND	281.0000	ND
28	7307	9/13/2007	ND	ND	88.0491	0.0059	ND	ND	259.2000	ND	7.7400	26.6368	ND	344.0000	0.0027
29	7308	9/13/2007	ND	ND	290.6508	0.0076	ND	ND	149.4000	0.0016	7.8600	6.0434	78.1534	831.0000	0.0137
30	7309	9/13/2007	ND	ND	274.3524	0.0102	ND	ND	504.7000	0.0016	7.9600	19.7499	144.2369	871.0000	0.1730
31	7310	9/13/2007	ND	ND	991.8081	0.0061	ND	ND	496.7000	0.0018	8.3500	15.7014	84.0372	1959.0000	0.0027
32	7311	9/13/2007	ND	ND	1353.3360	0.0210	ND	ND	494.0000	0.0005	9.3000	11.9001	110.1559	2524.0000	ND
33	7312	9/13/2007	ND	ND	1245.7700	0.0098	ND	ND	557.2000	0.0062	8.2900	14.8105	109.6671	2457.0000	0.0033
34	7360	10/25/2007	ND	ND	55.2080	0.0177	ND	ND	277.1000	0.0048	7.5800	21.0144	37.3615	480.0000	0.0480
35	7361	10/25/2007	ND	ND	16.3091	0.0059	ND	ND	227.4000	0.0137	7.6400	25.2759	49.5828	387.0000	0.1141
36	7362	10/25/2007	ND	ND	6639.6450	0.0098	ND	ND	638.7000	0.0006	8.2300	2.3280	397.9874	11848.000	0.0046
37	7363	10/25/2007	ND	ND	4127.3890	0.0099	ND	0.0118	545.9000	0.0007	8.6300	0.5908	91.0935	7514.0000	ND
38	7364	10/25/2007	ND	ND	409.1398	0.0143	ND	ND	385.4000	0.0007	8.4900	8.0573	68.4760	1156.0000	ND
Test Count that Exceeded Standard:			0	0	25	0	0	0	38	1	3	0	3	38	0

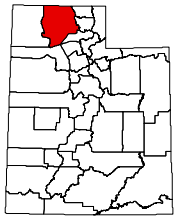
ND - Not Detected

Map 3. Northern Utah District - Curlew Valley Area



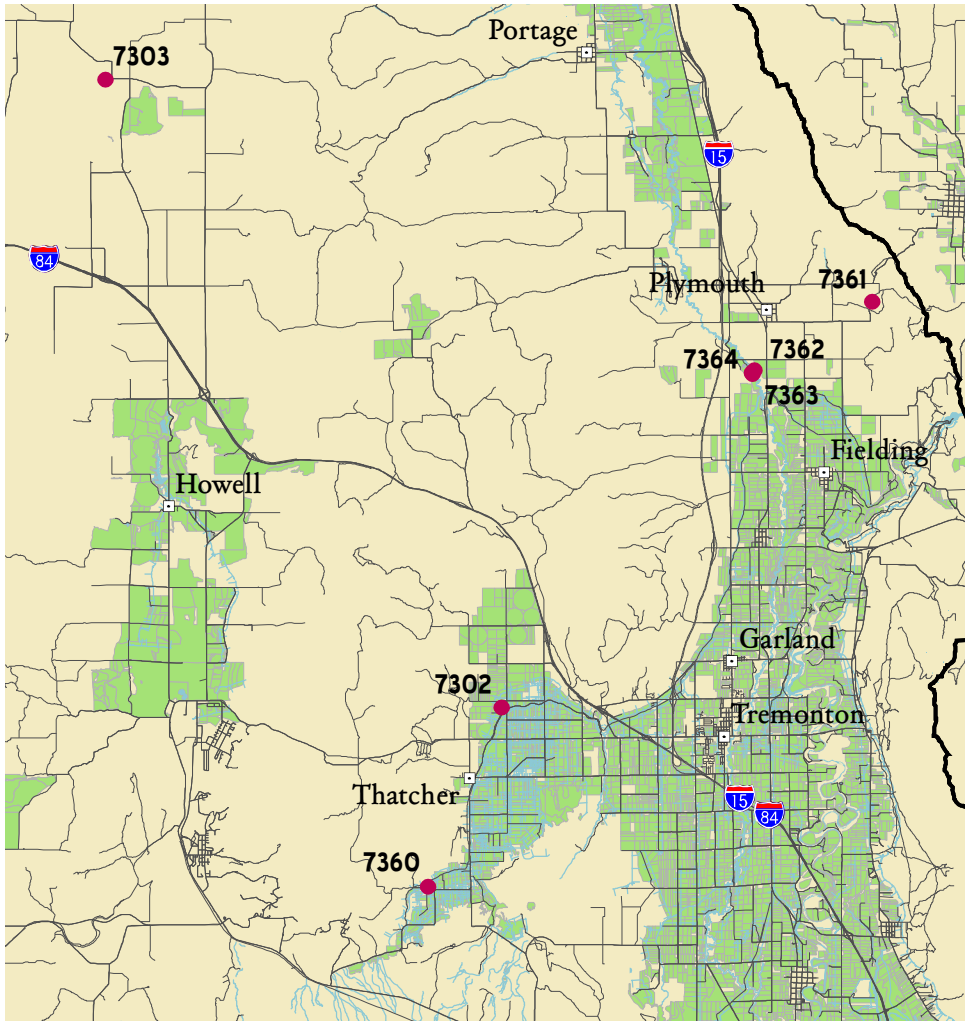
Map Scale 1:114,048 (1 inch = 1.8 miles)

District Location

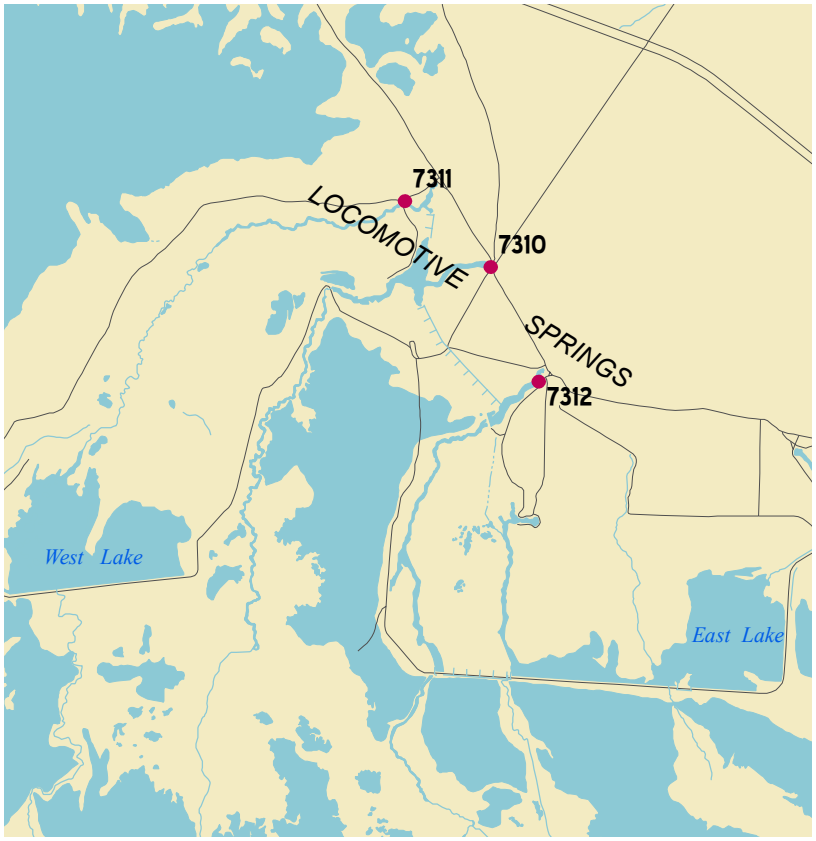


- Sample location
- Road
- Stream
- Ditch or canal
- Aqueduct
- Intermittent stream
- Water body
- Irrigated cropland
- District boundary

Map 4. Northern Utah District - Tremonton & Locomotive Springs Areas

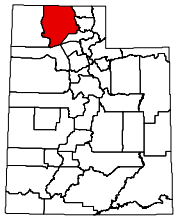


Map Scale 1:114,048 (1 inch = 1.8 miles)



Map Scale 1:63,360 (1 inch = 1 mile)

District Location



- Sample location
- Road
- Stream
- Ditch or canal
- Aqueduct
- Intermittent stream
- Water body
- Irrigated cropland
- District boundary

West Box Elder

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7236	8/8/2007	POS	ND	53.4 F (11.9 C)	569	208.0	0.600	155.6	Well	Livestock	Concrete Pad	Steel	Sealed	✔	✔					
2	7237	8/8/2007	POS	ND	54.1 F (12.3 C)	471	248.0	0.800	185.3	Well	Vegetated	Soil	Steel	Open		✔					
3	7238	8/8/2007	ND	ND	57.7 F (14.3 C)	565	309.0	0.600	237.8	Well	Clean	Concrete Pad	Steel	Sealed		✔					
Bacteria Positive Sample Count			2	0	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7236	8/15/2007	ND	0.0476	ND	42.1208	15.4662	0.0006	ND	0.0018	0.0155	ND	1.0751	204.2240	2.1415	0.0068	12.2071
2	7237	8/15/2007	ND	0.0417	ND	41.1496	23.8560	ND	ND	0.0016	0.0179	ND	ND	234.2860	1.3156	0.0092	20.0182
3	7238	8/15/2007	ND	0.0432	ND	71.0886	73.6359	ND	ND	0.0018	0.0243	ND	ND	182.3570	3.2833	0.0126	14.5724
Test Count that Exceeded Standard			0	0	0	0	1	0	0	0	0	0	0	3	0	0	0

ND - Not Detected

Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
1	7236	8/15/2007	0.3521	0.0012	16.1975	0.0012	ND	ND	0.6000	ND	208.0000	ND	0.0136
2	7237	8/15/2007	0.0017	0.0009	23.9596	ND	ND	ND	0.8000	ND	248.0000	ND	0.0054
3	7238	8/15/2007	0.0005	0.0008	22.9329	ND	ND	ND	0.6000	ND	309.0000	ND	0.0104
Test Count that Exceeded Standard:			1	0	0	0	0	0	0	0	3	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7236	8/15/2007	ND	ND	0.0476	ND	ND	0.0006	0.0018	0.0155	ND	ND	ND	ND	7.3200	ND	ND	208.0000	0.0136
2	7237	8/15/2007	ND	ND	0.0417	ND	ND	ND	0.0016	0.0179	ND	ND	ND	ND	7.5600	ND	ND	248.0000	0.0054
3	7238	8/15/2007	ND	ND	0.0432	ND	ND	ND	0.0018	0.0243	ND	ND	ND	ND	7.3700	ND	ND	309.0000	0.0104
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

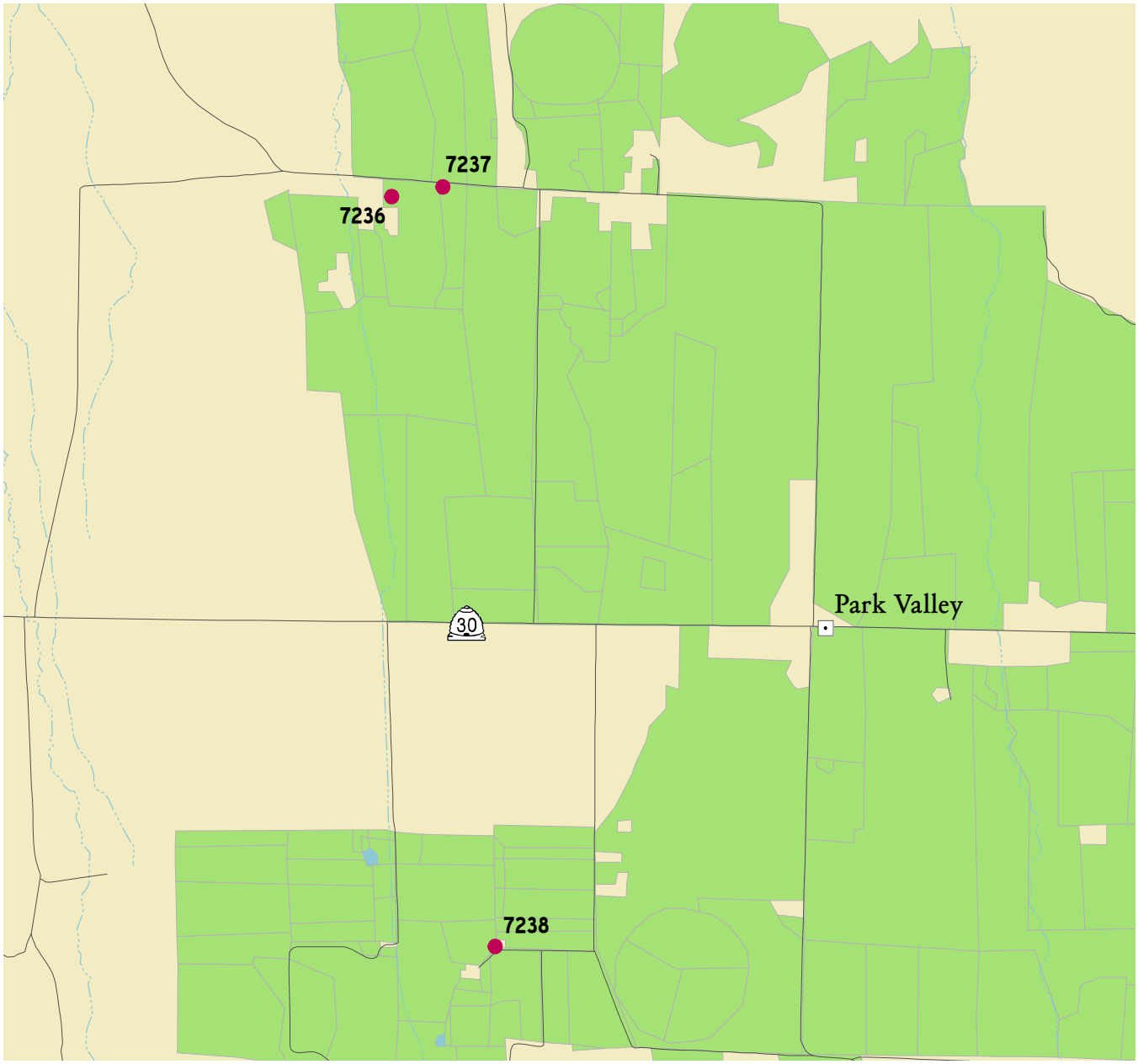
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7236	8/15/2007	ND	0.0316	ND	ND	ND	0.0018	0.0155	ND	ND	16.1975	0.0012	ND	ND	ND	ND	208.0000
2	7237	8/15/2007	ND	0.0946	ND	ND	ND	0.0016	0.0179	ND	ND	23.9596	ND	ND	ND	ND	ND	248.0000
3	7238	8/15/2007	ND	0.0096	ND	ND	ND	0.0018	0.0243	ND	ND	22.9329	ND	ND	ND	ND	ND	309.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7236	8/15/2007	ND	ND	15.4662	0.0155	ND	1.0751	155.6000	0.3521	7.3200	5.0172	ND	208.0000	0.0136
2	7237	8/15/2007	ND	ND	23.8560	0.0179	ND	ND	185.3000	0.0017	7.5600	5.9634	ND	248.0000	0.0054
3	7238	8/15/2007	ND	ND	73.6359	0.0243	ND	ND	237.8000	0.0005	7.3700	10.5561	ND	309.0000	0.0104
Test Count that Exceeded Standard:			0	0	0	0	0	1	3	1	0	0	0	3	0

ND - Not Detected

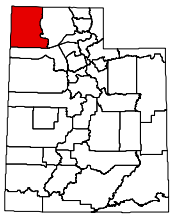
Map 5. West Box Elder District



Map Scale 1:24,000 (1 inch = 0.38 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 2 **(Davis, Morgan, Salt Lake, Tooele, and Weber counties)**

Sixty-six (66) sites were sampled in the six (6) Soil Conservation Districts in Zone 2 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: two (2) Davis County, four (4) Grantsville, two (2) Morgan, thirty-three (33) Salt Lake, twenty-four (24) in Shambip, and one (1) Weber districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 2. The next four columns summarize the number of tests which exceed the standards for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 2 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Davis	2	80	0	5	10	0
Grantsville	4	160	0	8	12	0
Morgan	2	80	0	4	5	0
Salt Lake	33	1320	0	74	107	6
Shambip	24	960	1	41	54	4
Weber	1	40	0	3	2	0
Zone Totals:	**66**	**2640**	**1**	**135**	**190**	**10**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the Water quality for agriculture 29 Revision 1, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Davis County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7065	5/2/2007	ND	ND	55.6 F (13.1 C)	910	557.0	2.100	309.4	Flowing Well	Vegetated	Covered	Concrete	Open	✔	✔					
2	7066	5/2/2007	ND	ND	66.9 F (19.4 C)	1157	637.0	8.700	109.9	Flowing Well	Surface Water	Lawn	Steel	Cracked	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7065	5/8/2007	ND	0.1030	ND	76.9943	74.1996	ND	ND	0.0030	0.0075	ND	0.0107	342.7430	2.4516	0.0254	28.3737
2	7066	5/8/2007	ND	0.2176	ND	29.7708	280.4028	ND	ND	0.0011	0.0018	ND	0.0866	177.8340	2.7230	0.0160	8.6074
Test Count that Exceeded Standard			0	0	0	0	2	0	0	0	0	0	0	2	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7065	5/8/2007	0.0009	ND	85.8874	0.0007	ND	ND	2.1000	ND	557.0000	ND	0.0136
2	7066	5/8/2007	0.0060	0.0243	208.8204	ND	ND	ND	8.7000	ND	637.0000	0.0045	ND
Test Count that Exceeded Standard:			0	1	2	0	0	0	1	0	2	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7065	5/8/2007	ND	ND	0.1030	ND	ND	ND	0.0030	0.0075	ND	ND	18.3147	ND	8.0100	ND	95.1657	557.0000	0.0136
2	7066	5/8/2007	ND	0.0091	0.2176	ND	ND	ND	0.0011	0.0018	ND	ND	ND	ND	8.1200	ND	ND	637.0000	ND
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

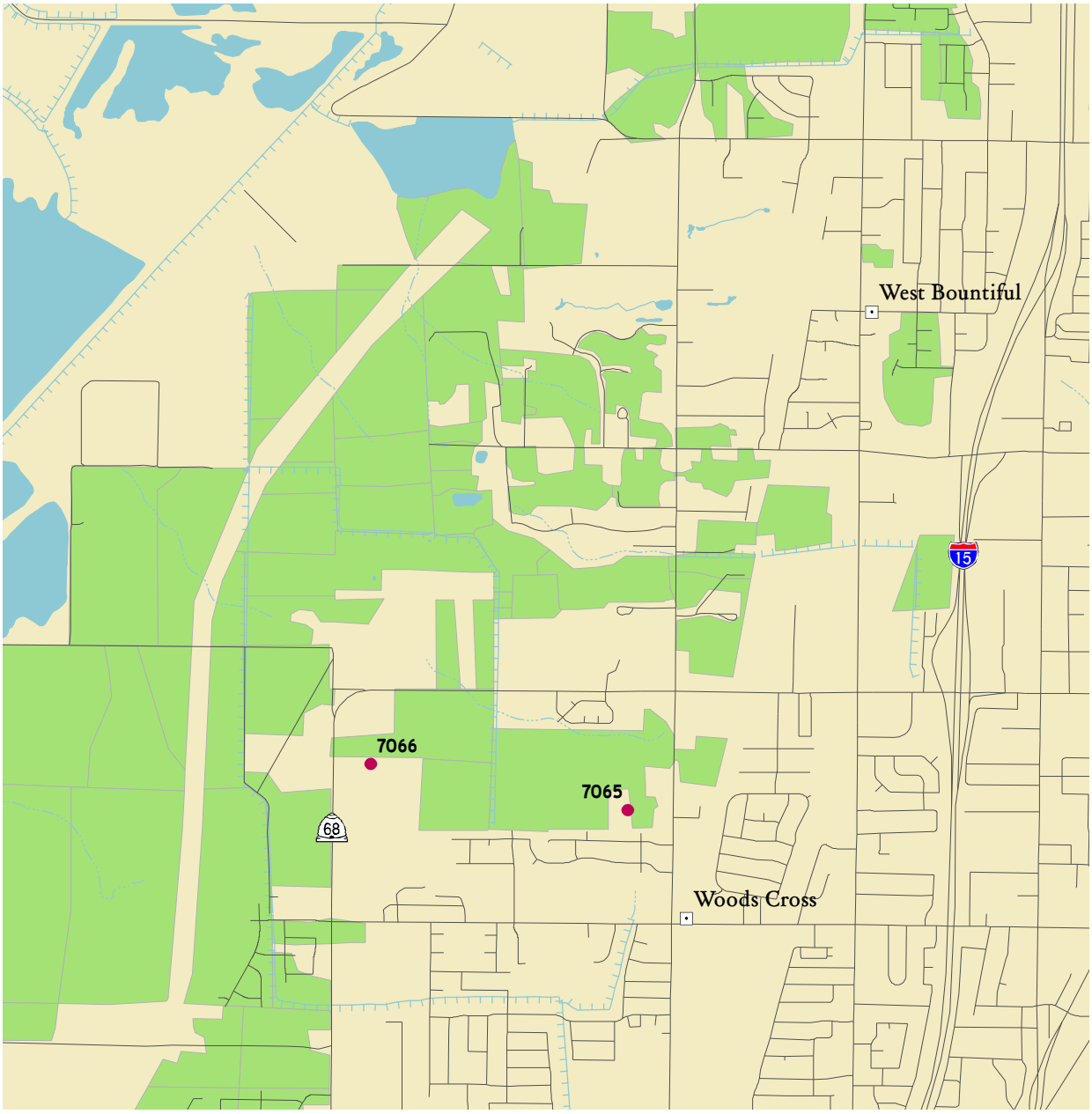
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7065	5/8/2007	ND	0.0800	ND	ND	ND	0.0030	0.0075	ND	ND	85.8874	0.0007	18.3147	ND	ND	95.1657	557.0000
2	7066	5/8/2007	0.0091	0.0541	ND	ND	ND	0.0011	0.0018	ND	ND	208.8204	ND	ND	ND	ND	ND	637.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7065	5/8/2007	ND	ND	74.1996	0.0075	ND	0.0107	309.4000	0.0009	8.0100	6.1129	95.1657	557.0000	0.0136
2	7066	5/8/2007	ND	ND	280.4028	0.0018	ND	0.0866	109.9000	0.0060	8.1200	6.1487	ND	637.0000	ND
Test Count that Exceeded Standard:			0	0	1	0	0	0	2	0	0	0	0	2	0

ND - Not Detected

Map 6. Davis County District



Map Scale 1:30,000 (1 inch = 0.47 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location

Grantsville District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7328	9/26/2007	ND	ND	56.8 F (13.8 C)	553	303.0	3.200	99.90	Well	Clean	Well House	Steel	Sealed	✔	✔					
2	7329	9/26/2007	ND	ND	59.0 F (15.0 C)	503	289.0	2.900	103.8	Well	Livestock	Well House	Steel	Sealed	✔	✔					
3	7330	9/26/2007	ND	ND	55.0 F (12.8 C)	698	356.0	0.700	297.6	Flowing Well	Clean	Natural	Steel	Sealed		✔					
4	7372	10/23/2007	ND	ND	58.3 F (14.6 C)	966	520.0	2.100	308.4	Well	Vegetated	Pit Concrete	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**0**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7328	9/28/2007	ND	0.0515	ND	19.7220	52.2395	ND	ND	ND	0.0062	ND	ND	187.0050	3.2611	0.0218	12.2794
2	7329	9/28/2007	ND	0.0498	ND	20.8491	47.4463	ND	ND	0.0013	0.0087	ND	ND	180.2990	3.1701	0.0226	12.5392
3	7330	9/28/2007	ND	0.0311	ND	81.5719	64.0112	ND	ND	0.0031	0.0099	ND	ND	234.1450	2.1334	0.0153	22.7306
4	7372	10/25/2007	ND	0.0511	ND	80.5641	94.1916	ND	ND	0.0033	0.0089	ND	ND	230.9910	1.9890	0.0154	25.9738
Test Count that Exceeded Standard			0	0	0	0	1	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7328	9/28/2007	0.0052	0.0008	73.6161	ND	ND	ND	3.2000	ND	303.0000	0.0102	0.0482
2	7329	9/28/2007	0.0015	0.0008	67.7578	ND	ND	ND	2.9000	ND	289.0000	0.0090	0.0107
3	7330	9/28/2007	0.0012	ND	28.7324	ND	ND	ND	0.7000	ND	356.0000	0.0018	0.0032
4	7372	10/25/2007	0.0013	0.0008	84.1374	0.0012	ND	ND	2.1000	ND	520.0000	ND	0.0122
Test Count that Exceeded Standard:			0	0	2	0	0	0	1	0	4	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7328	9/28/2007	ND	0.0095	0.0515	ND	ND	ND	ND	0.0062	ND	ND	ND	ND	8.0300	ND	ND	303.0000	0.0482
2	7329	9/28/2007	ND	0.0086	0.0498	ND	ND	ND	0.0013	0.0087	ND	ND	ND	ND	8.0300	ND	ND	289.0000	0.0107
3	7330	9/28/2007	ND	ND	0.0311	ND	ND	ND	0.0031	0.0099	ND	ND	9.9114	ND	7.7600	ND	ND	356.0000	0.0032
4	7372	10/25/2007	ND	ND	0.0511	ND	ND	ND	0.0033	0.0089	ND	ND	9.3979	ND	7.7100	ND	104.0530	520.0000	0.0122
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

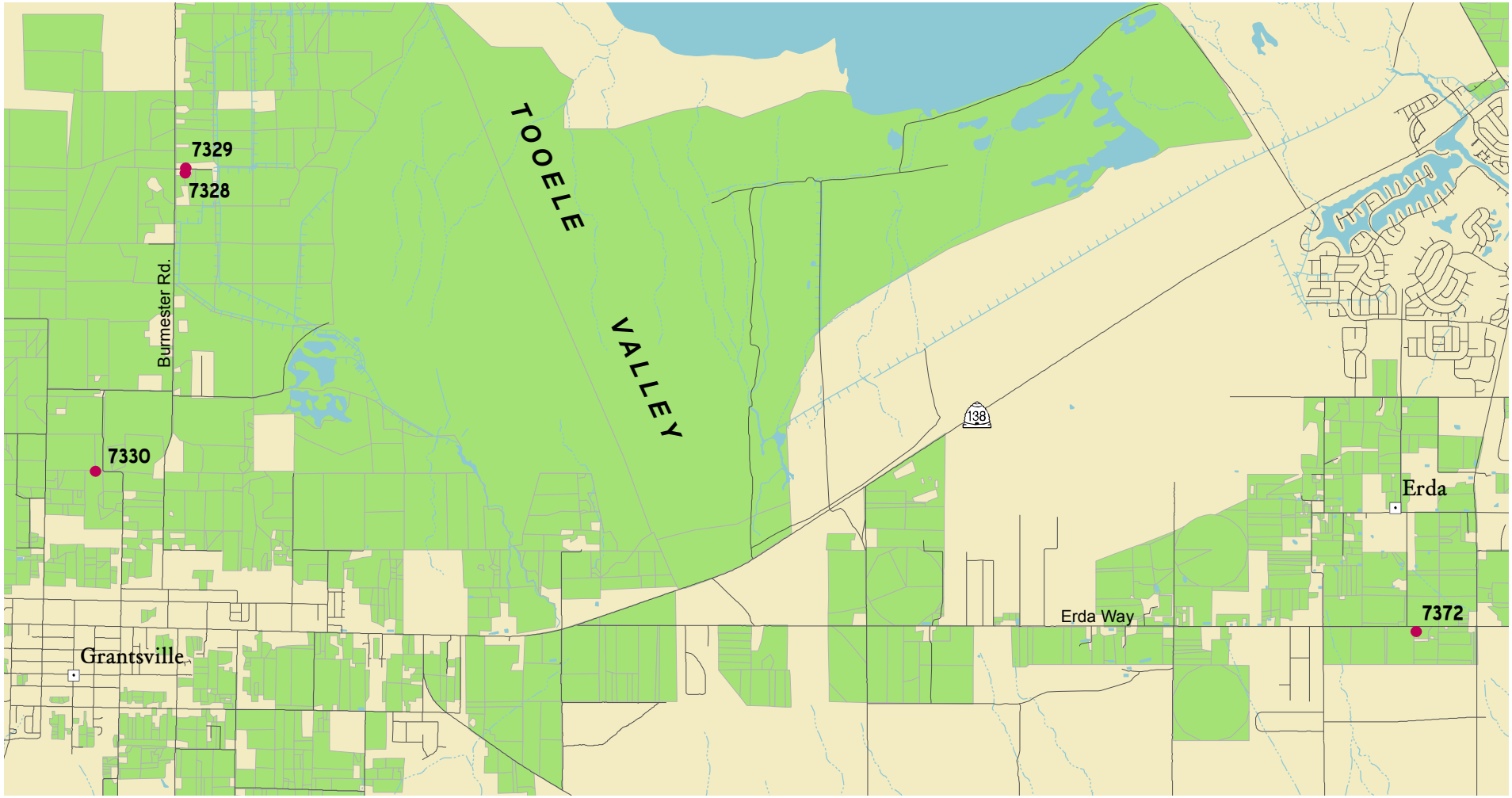
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7328	9/28/2007	0.0095	0.1345	ND	ND	ND	ND	0.0062	ND	ND	73.6161	ND	ND	ND	ND	ND	303.0000
2	7329	9/28/2007	0.0086	0.1525	ND	ND	ND	0.0013	0.0087	ND	ND	67.7578	ND	ND	ND	ND	ND	289.0000
3	7330	9/28/2007	ND	0.2424	ND	ND	ND	0.0031	0.0099	ND	ND	28.7324	ND	9.9114	ND	ND	ND	356.0000
4	7372	10/25/2007	ND	0.1056	ND	ND	ND	0.0033	0.0089	ND	ND	84.1374	0.0012	9.3979	ND	ND	104.0530	520.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7328	9/28/2007	ND	ND	52.2395	0.0062	ND	ND	99.9000	0.0052	8.0300	27.8068	ND	303.0000	0.0482
2	7329	9/28/2007	ND	ND	47.4463	0.0087	ND	ND	103.8000	0.0015	8.0300	28.0300	ND	289.0000	0.0107
3	7330	9/28/2007	ND	ND	64.0112	0.0099	ND	ND	297.6000	0.0012	7.7600	10.1922	ND	356.0000	0.0032
4	7372	10/25/2007	ND	ND	94.1916	0.0089	ND	ND	308.4000	0.0013	7.7100	5.6906	104.0530	520.0000	0.0122
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	0	0	0	0	4	0

ND - Not Detected

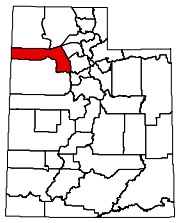
Map 7. Grantsville District



Map Scale 1:63,360 (1 inch = 1 mile)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Morgan District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7069	5/2/2007	ND	ND	52.5 F (11.4 C)	752	492.0	1.000	377.1	Well	Clean	Well House	Steel	Sealed	✔	✔					
2	7365	10/22/2007	ND	ND	58.5 F (14.7 C)	588	337.0	0.600	310.9	Well	Vegetated	Gravel	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7069	5/8/2007	ND	0.0521	ND	110.8606	78.3718	ND	ND	0.0009	0.0044	ND	ND	315.6630	4.2947	0.0280	24.2623
2	7365	10/25/2007	ND	0.0455	ND	78.0218	22.9262	ND	ND	0.0013	0.0509	ND	ND	299.0040	3.4748	0.0112	28.1294
Test Count that Exceeded Standard			0	0	0	0	1	0	0	0	0	0	0	2	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7069	5/8/2007	0.0008	0.0006	43.1277	0.0007	ND	ND	1.0000	ND	492.0000	0.0048	0.0426
2	7365	10/25/2007	0.0023	0.0006	24.7602	0.0008	ND	ND	0.6000	ND	337.0000	ND	0.0169
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	2	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7069	5/8/2007	ND	0.0034	0.0521	ND	ND	ND	0.0009	0.0044	ND	ND	18.8105	ND	7.9000	ND	ND	492.0000	0.0426
2	7365	10/25/2007	ND	ND	0.0455	ND	ND	ND	0.0013	0.0509	ND	ND	ND	ND	7.4500	ND	ND	337.0000	0.0169
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

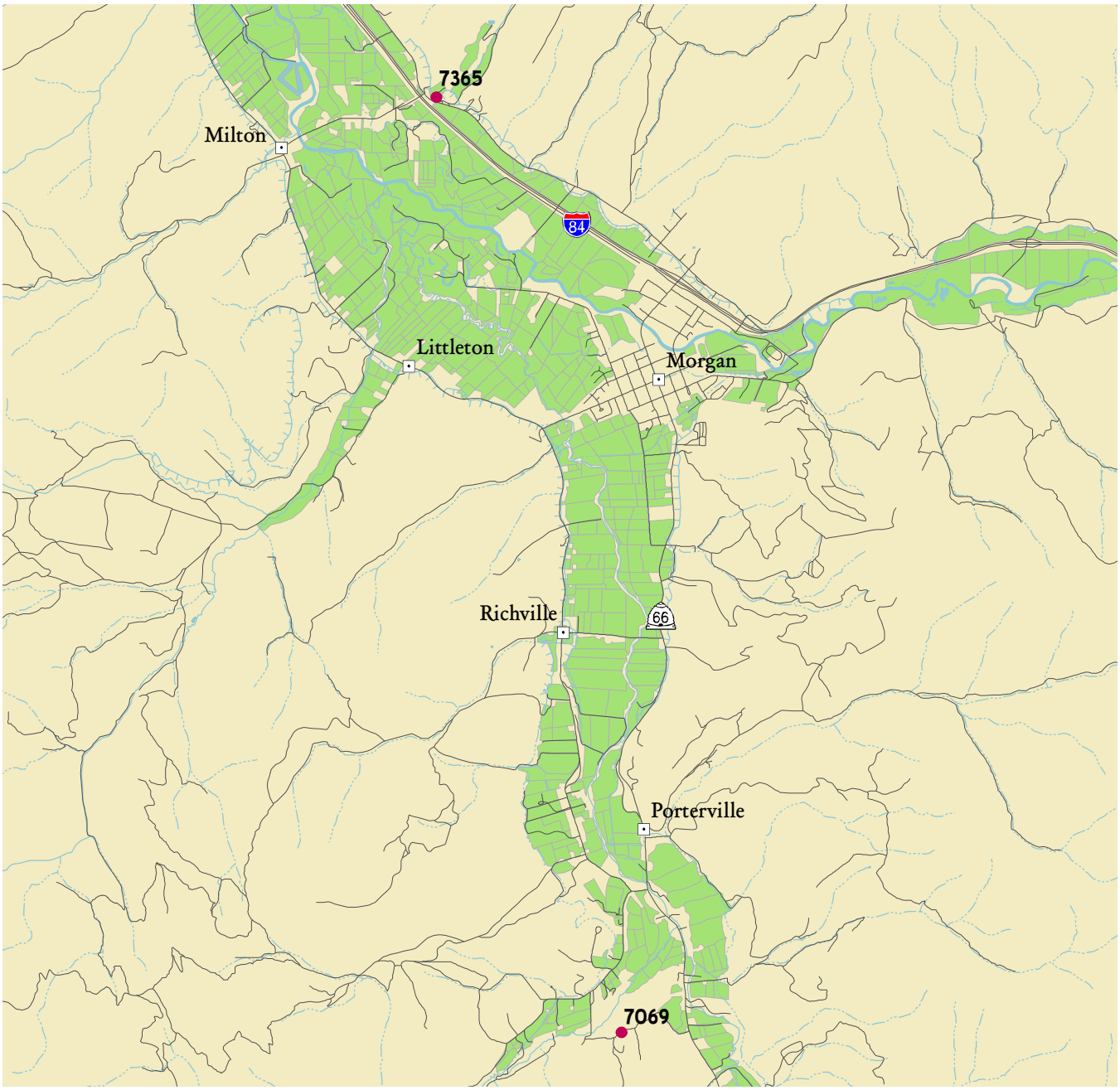
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7069	5/8/2007	0.0034	0.2379	ND	ND	ND	0.0009	0.0044	ND	ND	43.1277	0.0007	18.8105	ND	ND	ND	492.0000
2	7365	10/25/2007	ND	0.1544	ND	ND	ND	0.0013	0.0509	ND	ND	24.7602	0.0008	ND	ND	ND	ND	337.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7069	5/8/2007	ND	ND	78.3718	0.0044	ND	ND	377.1000	0.0008	7.9000	25.0544	ND	492.0000	0.0426
2	7365	10/25/2007	ND	ND	22.9262	0.0509	ND	ND	310.9000	0.0023	7.4500	9.4963	ND	337.0000	0.0169
Test Count that Exceeded Standard:			0	0	0	0	0	0	2	0	0	0	0	2	0

ND - Not Detected

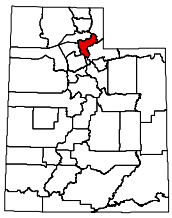
Map 8. Morgan County District



Map Scale 1:75,000 (1 inch = 1.2 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Salt Lake District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7054	5/2/2007	ND	ND	55.8 F (13.2 C)	1766	1173.	1.900	812.4	Well	Livestock	Concrete Pad	Steel	Open	✔	✔					
2	7055	5/2/2007	ND	ND	59.5 F (15.3 C)	1201	709.0	1.500	523.1	Well	Vegetated	Pit Concrete	Steel	Sealed	✔	✔					
3	7056	5/2/2007	POS	ND	61.7 F (16.5 C)	1414	889.0	2.100	586.0	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
4	7057	5/2/2007	ND	ND	55.8 F (13.2 C)	1100	624.0	4.200	243.7	Flowing Well	Livestock	Pit Soil	Steel	Sealed		✔					
5	7058	5/2/2007	ND	ND	60.4 F (15.8 C)	1058	659.0	3.100	323.3	Flowing Well	Livestock	Natural	Steel	Open		✔					
6	7059	5/2/2007	ND	ND	69.6 F (20.9 C)	373	214.0	0.800	158.4	Flowing Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
7	7060	5/2/2007	POS	ND	58.1 F (14.5 C)	1026	670.0	1.300	515.5	Flowing Well	Surface Water	Covered	Steel	Open		✔					
8	7061	5/2/2007	ND	ND	53.2 F (11.8 C)	997	615.0	1.100	502.5	Well	Vegetated	Pit Concrete	Steel	Sealed	✔	✔					
9	7062	5/2/2007	ND	ND	49.8 F (9.9 C)	904	540.0	1.000	460.1	Well	Clean	Pit Concrete	Steel	Sealed	✔	✔					
10	7063	5/2/2007	POS	ND	49.5 F (9.7 C)	1310	764.0	1.300	550.2	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
11	7064	5/2/2007	ND	ND	47.8 F (8.8 C)	1033	578.0	1.600	382.2	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
12	7152	6/20/2007	ND	ND	52.2 F (11.2 C)	1092	679.0	1.700	480.9	Well	Gravel	Soil	Steel	Sealed	✔	✔					
13	7153	6/20/2007	ND	ND	51.6 F (10.9 C)	776	426.0	0.800	337.6	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
14	7154	6/20/2007	ND	ND	54.7 F (12.6 C)	1609	1039.	3.200	574.7	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔	✔				
15	7155	6/20/2007	ND	ND	59.0 F (15.0 C)	1093	690.0	0.900	560.6	Flowing Well	Vegetated	Concrete Pad	Steel	Sealed	✔	✔					
16	7156	6/20/2007	ND	ND	59.5 F (15.3 C)	1109	727.0	1.000	562.9	Flowing Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
17	7278	8/21/2007	ND	ND	60.3 F (15.7 C)	1543	1003.	1.300	778.2	Well	Vegetated	Well House	Steel	Sealed	✔	✔					
18	7279	8/21/2007	POS	ND	56.8 F (13.8 C)	634	377.0	3.900	117.8	Flowing Well	Vegetated	Lawn	Steel	Open		✔					
19	7280	8/21/2007	ND	ND	58.1 F (14.5 C)	1007	652.0	0.900	517.7	Flowing Well	Vegetated	Inside	Steel	Sealed	✔	✔					
20	7281	8/21/2007	POS	ND	60.6 F (15.9 C)	985	652.0	0.800	526.9	Flowing Well	Vegetated	Lawn	Steel	Sealed	✔						
21	7282	8/21/2007	ND	ND	68.7 F (20.4 C)	912	615.0	0.900	480.9	Flowing Well	Vegetated	Well House	Steel	Sealed	✔	✔					
22	7283	8/21/2007	ND	ND	59.7 F (15.4 C)	932	616.0	0.700	505.0	Well	Vegetated	Well House	Steel	Sealed	✔	✔					
23	7284	8/21/2007	ND	ND	65.1 F (18.4 C)	810	539.0	0.700	432.6	Flowing Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
24	7285	8/21/2007	POS	ND	58.1 F (14.5 C)	755	479.0	0.600	396.5	Well	Vegetated	Pit Soil	Steel	Sealed	✔	✔					
25	7327	9/26/2007	ND	ND	57.0 F (13.9 C)	1460	806.0	1.400	628.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
26	7331	9/26/2007	POS	ND	73.0 F (22.8 C)	715	440.0	1.200	306.1	Well	Surface Water	Asphalt	Cinder Block	Cracked						✔	
27	7332	9/26/2007	ND	ND	52.0 F (11.1 C)	1228	663.0	30.60	14.80	Well	Clean	Covered			✔	✔					
28	7333	9/26/2007	POS	POS	49.5 F (9.7 C)	1526	878.0	2.600	561.6	Well	Clean	Covered	Steel	Sealed		✔					
29	7367	10/23/2007	POS	ND	49.6 F (9.8 C)	521	294.0	0.100	315.9	Spring	Vegetated	Gravel	Steel	Open					✔		
30	7368	10/23/2007	ND	ND	46.2 F (7.9 C)	429	240.0	0.100	234.7	Spring	Vegetated	Soil	Rock	Open					✔		
31	7369	10/23/2007	POS	ND	45.7 F (7.6 C)	231	123.0	0.200	111.0	Spring	Vegetated	Soil	Rock	Open					✔		
32	7370	10/23/2007	POS	ND	57.4 F (14.1 C)	737	412.0	0.600	333.1	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
33	7371	10/23/2007	ND	ND	61.2 F (16.2 C)	1190	694.0	0.800	558.2	Flowing Well	Vegetated	Pit Masonry	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**11**	**1**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7054	5/8/2007	ND	0.1101	ND	235.8724	470.6993	0.0003	ND	0.0005	0.0117	ND	ND	261.4840	5.5077	0.0542	54.0537
2	7055	5/8/2007	ND	0.0976	ND	149.8390	187.0354	ND	ND	0.0009	0.0052	ND	ND	299.1550	5.6587	0.0317	36.0398
3	7056	5/8/2007	ND	0.2544	ND	125.0095	204.3991	ND	ND	0.0016	0.0089	ND	ND	325.1120	19.1971	0.1070	66.3866
4	7057	5/8/2007	ND	0.2853	ND	65.9301	151.9911	ND	ND	0.0010	0.0030	ND	ND	279.1470	14.0665	0.2181	19.1474
5	7058	5/8/2007	ND	0.2301	ND	82.6761	162.4145	ND	ND	0.0031	0.0173	ND	ND	264.8040	13.2900	0.2080	28.3109
6	7059	5/8/2007	ND	0.0187	ND	23.0794	41.9681	ND	ND	ND	0.0065	ND	ND	97.5086	1.7501	0.0080	24.4405
7	7060	5/8/2007	ND	0.1462	ND	145.1295	100.1472	ND	ND	0.0016	0.0041	ND	ND	358.9850	2.3202	0.0169	37.0529
8	7061	5/8/2007	ND	0.0607	ND	144.1085	102.2501	ND	ND	0.0016	0.0366	ND	ND	358.6150	1.6685	0.0126	34.5143
9	7062	5/8/2007	ND	0.0718	ND	132.5712	72.6718	ND	ND	0.0016	0.0242	ND	ND	411.5140	2.2384	0.0184	31.2226
10	7063	5/8/2007	ND	0.0772	ND	159.5235	237.2746	0.0004	ND	0.0013	0.0016	ND	0.1429	393.7630	2.7741	0.0203	36.7497
11	7064	5/8/2007	ND	0.0698	ND	112.2139	116.6026	ND	ND	0.0016	0.0105	ND	ND	384.6260	2.1392	0.0148	24.6656
12	7152	6/22/2007	ND	0.0728	ND	138.0534	162.9921	ND	ND	ND	0.0132	ND	ND	364.0900	2.4788	0.0156	32.9608
13	7153	6/22/2007	ND	0.0570	ND	94.6714	85.2192	ND	ND	ND	0.0227	ND	ND	283.9520	2.3755	0.0190	24.5059
14	7154	6/22/2007	ND	0.0602	ND	175.5839	353.9857	ND	ND	ND	0.0352	ND	ND	488.9720	2.6002	0.0241	32.9449
15	7155	6/22/2007	ND	0.0839	ND	136.4575	116.2155	ND	ND	0.0015	0.0047	ND	ND	344.6380	3.2572	0.0273	53.2611
16	7156	6/22/2007	ND	0.0964	ND	136.3989	123.3635	ND	ND	0.0014	0.0098	ND	ND	391.3840	3.1030	0.0283	53.8663
17	7278	8/24/2007	ND	0.0801	ND	222.5244	382.2231	ND	ND	ND	0.0043	ND	ND	245.7370	8.4177	0.0383	53.8507
18	7279	8/24/2007	ND	0.1452	ND	22.5752	17.7822	ND	ND	ND	0.0071	ND	0.1232	340.8220	7.1148	0.0301	14.8889
19	7280	8/24/2007	ND	0.0810	ND	125.8040	96.7917	ND	ND	0.0006	0.0134	ND	ND	324.3710	2.8079	0.0251	49.3179
20	7281	8/24/2007	ND	0.0687	ND	129.2955	92.2644	ND	ND	0.0009	0.0630	ND	ND	312.2220	2.3510	0.0236	49.4367
21	7282	8/24/2007	ND	0.0806	ND	125.6296	53.5642	ND	ND	ND	0.0098	ND	ND	292.9190	3.5604	0.0256	40.4937
22	7283	8/24/2007	ND	0.0474	ND	126.4231	69.5639	ND	ND	0.0008	0.0233	ND	ND	306.6950	2.4092	0.0141	45.8677
23	7284	8/24/2007	ND	0.0328	ND	110.3307	46.6886	0.0005	ND	ND	0.0177	ND	ND	268.3500	2.2546	0.0131	38.0488
24	7285	8/24/2007	ND	0.0287	ND	104.8446	42.8391	ND	ND	ND	0.0074	ND	ND	306.6460	2.3851	0.0133	32.6078
25	7327	9/28/2007	ND	0.0936	ND	181.0375	228.2666	ND	ND	0.0016	0.0110	ND	ND	349.3690	5.9512	0.0309	42.6542
26	7331	9/28/2007	ND	0.1345	ND	101.4859	35.5198	0.0003	ND	0.0018	0.0141	ND	0.0112	430.9010	10.7173	0.0404	12.7253
27	7332	9/28/2007	ND	0.1031	ND	4.3266	176.3363	ND	20.4894	ND	0.0150	ND	0.1252	319.6810	1.1004	0.0365	0.9680
28	7333	9/28/2007	ND	0.0676	ND	168.9258	299.5316	ND	ND	0.0008	0.0110	ND	0.0223	385.4210	3.3735	0.0235	33.8045
29	7367	10/25/2007	ND	0.0182	ND	78.0769	ND	ND	ND	0.0017	0.0090	ND	ND	325.9750	1.0211	ND	29.2995
30	7368	10/25/2007	ND	0.0160	ND	63.4466	ND	ND	ND	0.0010	0.0082	ND	ND	284.8480	0.7857	ND	18.4751
31	7369	10/25/2007	ND	0.0146	ND	27.6342	ND	ND	ND	0.0007	0.0139	ND	ND	135.7640	0.7487	ND	10.1699
32	7370	10/25/2007	ND	0.0464	ND	85.2981	44.5294	ND	ND	0.0015	0.0265	ND	ND	260.9350	1.7166	0.0081	29.0987
33	7371	10/25/2007	ND	0.0892	ND	144.5316	115.3041	ND	ND	0.0013	0.0101	ND	ND	331.1840	3.2664	0.0218	47.7920
Test Count that Exceeded Standard			0	0	0	0	22	0	0	0	0	0	0	33	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7054	5/8/2007	0.0124	0.0013	126.3114	0.0019	ND	ND	1.9000	ND	1173.0000	0.0061	0.8311
2	7055	5/8/2007	0.0254	0.0019	76.9388	0.0019	ND	ND	1.5000	ND	709.0000	0.0070	0.1318
3	7056	5/8/2007	0.0003	0.0019	118.7234	0.0015	ND	ND	2.1000	ND	889.0000	0.0050	0.0547
4	7057	5/8/2007	0.2748	0.0067	151.2697	ND	ND	ND	4.2000	ND	624.0000	ND	0.0053
5	7058	5/8/2007	0.0368	0.0036	127.7706	0.0007	ND	ND	3.1000	ND	659.0000	0.0041	0.0082
6	7059	5/8/2007	0.0025	0.0011	22.8630	ND	ND	ND	0.8000	ND	214.0000	ND	0.0492
7	7060	5/8/2007	ND	ND	69.8609	0.0011	ND	ND	1.3000	ND	670.0000	ND	0.0039
8	7061	5/8/2007	0.0033	ND	58.2994	0.0045	ND	ND	1.1000	ND	615.0000	ND	0.1046
9	7062	5/8/2007	0.0021	ND	47.9485	0.0017	ND	ND	1.0000	ND	540.0000	0.0019	0.0350
10	7063	5/8/2007	0.0620	ND	70.3561	0.0020	ND	ND	1.3000	ND	764.0000	ND	0.0066
11	7064	5/8/2007	0.0033	ND	73.4416	0.0012	ND	ND	1.6000	ND	578.0000	ND	0.0669
12	7152	6/22/2007	0.0153	ND	83.5185	0.0013	ND	ND	1.7000	ND	679.0000	ND	0.0113
13	7153	6/22/2007	0.0007	ND	35.2117	0.0011	ND	ND	0.8000	ND	426.0000	ND	0.0180
14	7154	6/22/2007	0.0003	ND	175.8439	0.0021	ND	ND	3.2000	ND	1039.0000	ND	0.0124
15	7155	6/22/2007	ND	0.0007	48.5644	0.0009	ND	ND	0.9000	ND	690.0000	ND	0.0028
16	7156	6/22/2007	0.0030	0.0017	51.8752	0.0011	ND	ND	1.0000	ND	727.0000	0.0020	0.0063
17	7278	8/24/2007	0.0035	0.0009	84.8480	0.0008	ND	ND	1.3000	ND	1003.0000	0.0060	0.0253
18	7279	8/24/2007	0.0590	0.0020	96.6852	ND	ND	ND	3.9000	ND	377.0000	ND	0.0033
19	7280	8/24/2007	0.0005	0.0012	46.4851	0.0007	ND	ND	0.9000	ND	652.0000	0.0028	0.0055
20	7281	8/24/2007	0.0021	0.0011	40.8057	0.0010	0.0019	ND	0.8000	ND	652.0000	ND	0.0661
21	7282	8/24/2007	0.0011	0.0005	42.9111	ND	ND	ND	0.9000	0.0065	615.0000	ND	0.0068
22	7283	8/24/2007	0.0014	ND	34.8685	0.0009	ND	ND	0.7000	ND	616.0000	ND	0.0191
23	7284	8/24/2007	0.1012	0.0017	33.0580	0.0011	ND	ND	0.7000	ND	539.0000	ND	0.2061
24	7285	8/24/2007	0.1601	0.0005	25.9403	ND	ND	ND	0.6000	ND	479.0000	ND	0.0047
25	7327	9/28/2007	0.0004	0.0011	82.6854	0.0007	ND	ND	1.4000	ND	806.0000	0.0091	0.0210
26	7331	9/28/2007	0.0404	0.0019	48.7290	0.0013	ND	ND	1.2000	ND	440.0000	ND	0.1375
27	7332	9/28/2007	0.0045	ND	270.3980	ND	ND	ND	30.6000	ND	663.0000	ND	ND
28	7333	9/28/2007	0.0028	ND	139.6623	0.0021	ND	ND	2.6000	ND	878.0000	ND	0.0107
29	7367	10/25/2007	0.0003	ND	4.4622	0.0009	0.0040	ND	0.1000	ND	294.0000	ND	0.1008
30	7368	10/25/2007	0.0008	0.0010	4.6171	ND	ND	ND	0.1000	ND	240.0000	ND	0.0044
31	7369	10/25/2007	0.0005	ND	4.0317	0.0007	ND	ND	0.2000	ND	123.0000	ND	0.0031
32	7370	10/25/2007	0.0047	ND	26.4582	0.0008	ND	ND	0.6000	ND	412.0000	ND	0.0407
33	7371	10/25/2007	0.0037	0.0005	44.0198	0.0017	ND	ND	0.8000	ND	694.0000	ND	0.1082
Test Count that Exceeded Standard:			1	0	14	0	0	0	5	0	32	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7054	5/8/2007	ND	0.0030	0.1101	ND	0.0010	0.0003	0.0005	0.0117	ND	ND	9.7595	ND	8.0300	ND	121.5531	1173.0000	0.8311
2	7055	5/8/2007	ND	0.0024	0.0976	ND	ND	ND	0.0009	0.0052	ND	ND	ND	ND	7.9600	ND	80.5246	709.0000	0.1318
3	7056	5/8/2007	ND	0.0060	0.2544	ND	ND	ND	0.0016	0.0089	ND	ND	18.0089	ND	8.0700	ND	154.7932	889.0000	0.0547
4	7057	5/8/2007	ND	0.0071	0.2853	ND	ND	ND	0.0010	0.0030	ND	ND	ND	ND	8.0200	ND	67.6440	624.0000	0.0053
5	7058	5/8/2007	ND	0.0099	0.2301	ND	ND	ND	0.0031	0.0173	ND	ND	ND	ND	7.9600	ND	92.8036	659.0000	0.0082
6	7059	5/8/2007	ND	ND	0.0187	ND	ND	ND	ND	0.0065	ND	ND	ND	ND	8.0800	ND	51.3437	214.0000	0.0492
7	7060	5/8/2007	ND	ND	0.1462	ND	ND	ND	0.0016	0.0041	ND	ND	17.3286	ND	7.7500	ND	112.6413	670.0000	0.0039
8	7061	5/8/2007	ND	ND	0.0607	ND	ND	ND	0.0016	0.0366	ND	ND	ND	ND	7.7600	ND	83.8562	615.0000	0.1046
9	7062	5/8/2007	ND	ND	0.0718	ND	ND	ND	0.0016	0.0242	ND	ND	ND	ND	7.7300	ND	38.0078	540.0000	0.0350
10	7063	5/8/2007	ND	ND	0.0772	ND	ND	0.0004	0.0013	0.0016	ND	ND	ND	ND	7.6600	ND	54.5829	764.0000	0.0066
11	7064	5/8/2007	ND	ND	0.0698	ND	ND	ND	0.0016	0.0105	ND	ND	ND	ND	7.8900	ND	48.0297	578.0000	0.0669
12	7152	6/22/2007	ND	ND	0.0728	ND	ND	ND	ND	0.0132	ND	ND	ND	ND	7.5700	ND	64.8109	679.0000	0.0113
13	7153	6/22/2007	ND	ND	0.0570	ND	ND	ND	ND	0.0227	ND	ND	ND	ND	7.4300	ND	ND	426.0000	0.0180
14	7154	6/22/2007	ND	ND	0.0602	ND	ND	ND	ND	0.0352	ND	ND	ND	ND	7.0000	ND	48.5673	1039.0000	0.0124
15	7155	6/22/2007	ND	ND	0.0839	ND	ND	ND	0.0015	0.0047	ND	ND	22.1469	ND	7.2100	ND	131.4394	690.0000	0.0028
16	7156	6/22/2007	ND	ND	0.0964	ND	ND	ND	0.0014	0.0098	ND	ND	24.6166	ND	7.2900	ND	132.2737	727.0000	0.0063
17	7278	8/24/2007	ND	0.0030	0.0801	ND	ND	ND	ND	0.0043	ND	ND	ND	ND	7.6600	ND	96.1867	1003.0000	0.0253
18	7279	8/24/2007	ND	0.0044	0.1452	ND	ND	ND	ND	0.0071	ND	ND	ND	ND	7.9900	ND	36.3611	377.0000	0.0033
19	7280	8/24/2007	ND	ND	0.0810	ND	ND	ND	0.0006	0.0134	ND	ND	13.7045	ND	7.3900	ND	148.7197	652.0000	0.0055
20	7281	8/24/2007	ND	ND	0.0687	ND	ND	ND	0.0009	0.0630	ND	ND	18.3901	0.0019	7.3700	ND	156.7432	652.0000	0.0661
21	7282	8/24/2007	ND	ND	0.0806	ND	ND	ND	ND	0.0098	ND	ND	ND	ND	7.5200	0.0065	193.3321	615.0000	0.0068
22	7283	8/24/2007	ND	ND	0.0474	ND	ND	ND	0.0008	0.0233	ND	ND	13.5803	ND	7.5300	ND	164.6712	616.0000	0.0191
23	7284	8/24/2007	ND	ND	0.0328	ND	ND	0.0005	ND	0.0177	ND	ND	ND	ND	7.5000	ND	170.0443	539.0000	0.2061
24	7285	8/24/2007	ND	ND	0.0287	ND	ND	ND	ND	0.0074	ND	ND	ND	ND	7.8700	ND	111.4563	479.0000	0.0047
25	7327	9/28/2007	ND	0.0043	0.0936	ND	ND	ND	0.0016	0.0110	ND	ND	ND	ND	7.6800	ND	65.6563	806.0000	0.0210
26	7331	9/28/2007	ND	0.0023	0.1345	ND	ND	0.0003	0.0018	0.0141	ND	ND	ND	ND	7.2200	ND	ND	440.0000	0.1375
27	7332	9/28/2007	ND	0.0045	0.1031	ND	ND	ND	ND	0.0150	ND	ND	ND	ND	8.6700	ND	ND	663.0000	ND
28	7333	9/28/2007	ND	ND	0.0676	ND	ND	ND	0.0008	0.0110	ND	ND	ND	ND	7.2900	ND	ND	878.0000	0.0107
29	7367	10/25/2007	ND	ND	0.0182	ND	ND	ND	0.0017	0.0090	ND	ND	ND	0.0040	7.9400	ND	ND	294.0000	0.1008
30	7368	10/25/2007	ND	ND	0.0160	ND	ND	ND	0.0010	0.0082	ND	ND	ND	ND	7.7900	ND	ND	240.0000	0.0044
31	7369	10/25/2007	ND	ND	0.0146	ND	ND	ND	0.0007	0.0139	ND	ND	ND	ND	7.9600	ND	ND	123.0000	0.0031
32	7370	10/25/2007	ND	ND	0.0464	ND	ND	ND	0.0015	0.0265	ND	ND	ND	ND	7.6700	ND	84.6099	412.0000	0.0407
33	7371	10/25/2007	ND	ND	0.0892	ND	ND	ND	0.0013	0.0101	ND	ND	17.8732	ND	7.3400	ND	150.9604	694.0000	0.1082
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	3	0

ND - Not Detected

Culinary:

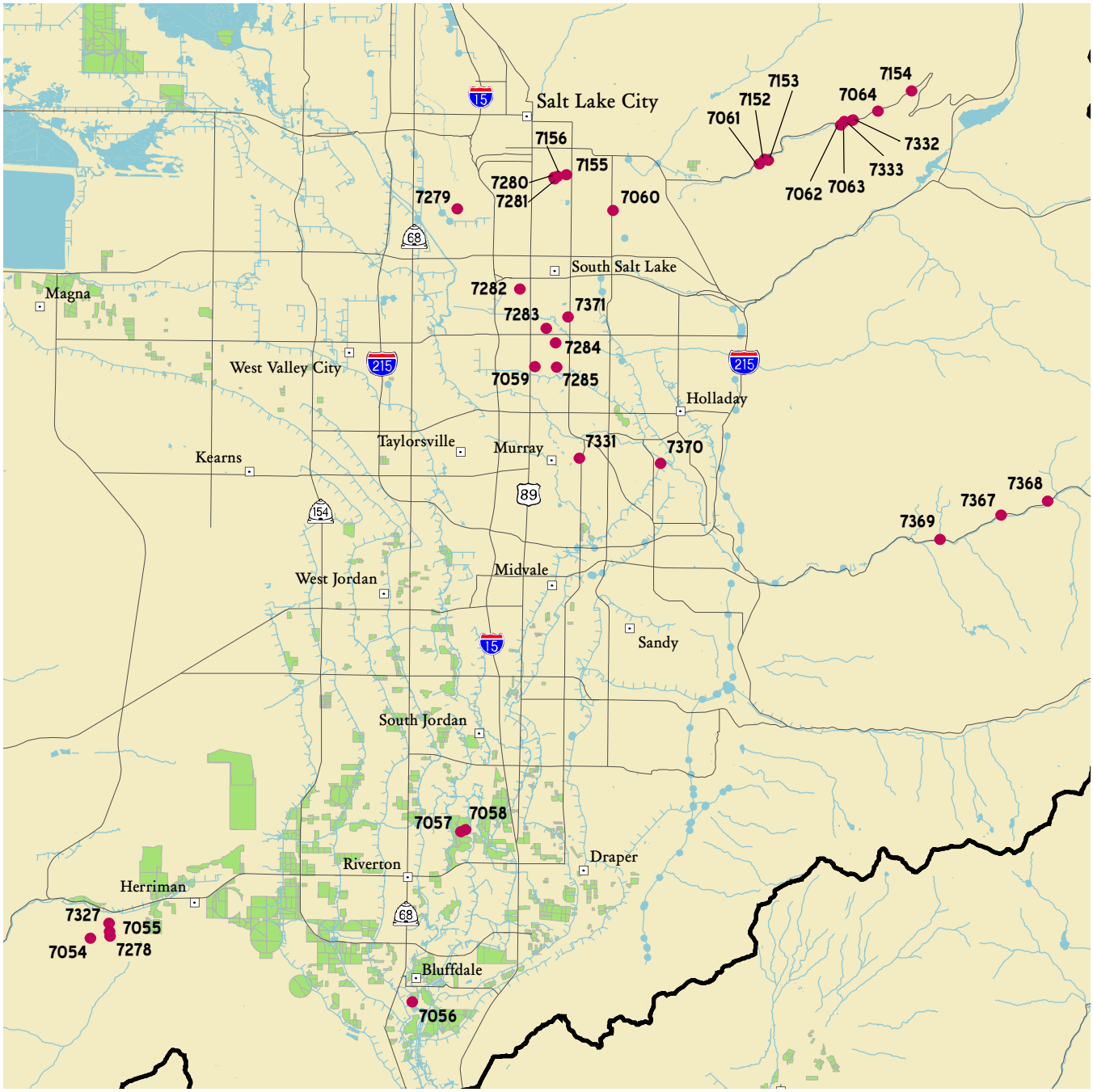
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7054	5/8/2007	0.0030	0.1995	ND	0.0010	ND	0.0005	0.0117	ND	ND	126.3114	0.0019	9.7595	ND	ND	121.5531	1173.0000
2	7055	5/8/2007	0.0024	0.1560	ND	ND	ND	0.0009	0.0052	ND	ND	76.9388	0.0019	ND	ND	ND	80.5246	709.0000
3	7056	5/8/2007	0.0060	0.0587	ND	ND	ND	0.0016	0.0089	ND	ND	118.7234	0.0015	18.0089	ND	ND	154.7932	889.0000
4	7057	5/8/2007	0.0071	0.3477	ND	ND	ND	0.0010	0.0030	ND	ND	151.2697	ND	ND	ND	ND	67.6440	624.0000
5	7058	5/8/2007	0.0099	0.0623	ND	ND	ND	0.0031	0.0173	ND	ND	127.7706	0.0007	ND	ND	ND	92.8036	659.0000
6	7059	5/8/2007	ND	0.0629	ND	ND	ND	ND	0.0065	ND	ND	22.8630	ND	ND	ND	ND	51.3437	214.0000
7	7060	5/8/2007	ND	0.0293	ND	ND	ND	0.0016	0.0041	ND	ND	69.8609	0.0011	17.3286	ND	ND	112.6413	670.0000
8	7061	5/8/2007	ND	0.0824	ND	ND	ND	0.0016	0.0366	ND	ND	58.2994	0.0045	ND	ND	ND	83.8562	615.0000
9	7062	5/8/2007	ND	0.2351	ND	ND	ND	0.0016	0.0242	ND	ND	47.9485	0.0017	ND	ND	ND	38.0078	540.0000
10	7063	5/8/2007	ND	0.1669	ND	ND	ND	0.0013	0.0016	ND	ND	70.3561	0.0020	ND	ND	ND	54.5829	764.0000
11	7064	5/8/2007	ND	0.1172	ND	ND	ND	0.0016	0.0105	ND	ND	73.4416	0.0012	ND	ND	ND	48.0297	578.0000
12	7152	6/22/2007	ND	0.1138	ND	ND	ND	ND	0.0132	ND	ND	83.5185	0.0013	ND	ND	ND	64.8109	679.0000
13	7153	6/22/2007	ND	0.3192	ND	ND	ND	ND	0.0227	ND	ND	35.2117	0.0011	ND	ND	ND	ND	426.0000
14	7154	6/22/2007	ND	0.1842	ND	ND	ND	ND	0.0352	ND	ND	175.8439	0.0021	ND	ND	ND	48.5673	1039.0000
15	7155	6/22/2007	ND	0.0326	ND	ND	3.9688	0.0015	0.0047	ND	ND	48.5644	0.0009	22.1469	ND	ND	131.4394	690.0000
16	7156	6/22/2007	ND	0.0380	ND	ND	3.5579	0.0014	0.0098	ND	ND	51.8752	0.0011	24.6166	ND	ND	132.2737	727.0000
17	7278	8/24/2007	0.0030	0.1646	ND	ND	ND	ND	0.0043	ND	ND	84.8480	0.0008	ND	ND	ND	96.1867	1003.0000
18	7279	8/24/2007	0.0044	0.1125	ND	ND	ND	ND	0.0071	ND	ND	96.6852	ND	ND	ND	ND	36.3611	377.0000
19	7280	8/24/2007	ND	0.0308	ND	ND	ND	0.0006	0.0134	ND	ND	46.4851	0.0007	13.7045	ND	ND	148.7197	652.0000
20	7281	8/24/2007	ND	0.0265	ND	ND	ND	0.0009	0.0630	ND	ND	40.8057	0.0010	18.3901	0.0019	ND	156.7432	652.0000
21	7282	8/24/2007	ND	0.0200	ND	ND	ND	ND	0.0098	ND	ND	42.9111	ND	ND	ND	0.0065	193.3321	615.0000
22	7283	8/24/2007	ND	0.0489	ND	ND	ND	0.0008	0.0233	ND	ND	34.8685	0.0009	13.5803	ND	ND	164.6712	616.0000
23	7284	8/24/2007	ND	0.0439	ND	ND	ND	ND	0.0177	ND	ND	33.0580	0.0011	ND	ND	ND	170.0443	539.0000
24	7285	8/24/2007	ND	0.1679	ND	ND	ND	ND	0.0074	ND	ND	25.9403	ND	ND	ND	ND	111.4563	479.0000
25	7327	9/28/2007	0.0043	0.1717	ND	ND	ND	0.0016	0.0110	ND	ND	82.6854	0.0007	ND	ND	ND	65.6563	806.0000
26	7331	9/28/2007	0.0023	0.1063	ND	ND	ND	0.0018	0.0141	ND	ND	48.7290	0.0013	ND	ND	ND	ND	440.0000
27	7332	9/28/2007	0.0045	0.0538	ND	ND	ND	ND	0.0150	ND	ND	270.3980	ND	ND	ND	ND	ND	663.0000
28	7333	9/28/2007	ND	0.2618	ND	ND	ND	0.0008	0.0110	ND	ND	139.6623	0.0021	ND	ND	ND	ND	878.0000
29	7367	10/25/2007	ND	0.0400	ND	ND	ND	0.0017	0.0090	ND	ND	4.4622	0.0009	ND	0.0040	ND	ND	294.0000
30	7368	10/25/2007	ND	0.0962	ND	ND	ND	0.0010	0.0082	ND	ND	4.6171	ND	ND	ND	ND	ND	240.0000
31	7369	10/25/2007	ND	0.0727	ND	ND	ND	0.0007	0.0139	ND	ND	4.0317	0.0007	ND	ND	ND	ND	123.0000
32	7370	10/25/2007	ND	0.0708	ND	ND	ND	0.0015	0.0265	ND	ND	26.4582	0.0008	ND	ND	ND	84.6099	412.0000
33	7371	10/25/2007	ND	0.0303	ND	ND	ND	0.0013	0.0101	ND	ND	44.0198	0.0017	17.8732	ND	ND	150.9604	694.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7054	5/8/2007	ND	ND	470.6993	0.0117	ND	ND	812.4000	0.0124	8.0300	20.7287	121.5531	1173.0000	0.8311
2	7055	5/8/2007	ND	ND	187.0354	0.0052	ND	ND	523.1000	0.0254	7.9600	20.0576	80.5246	709.0000	0.1318
3	7056	5/8/2007	ND	ND	204.3991	0.0089	ND	ND	586.0000	0.0003	8.0700	21.7985	154.7932	889.0000	0.0547
4	7057	5/8/2007	ND	ND	151.9911	0.0030	ND	ND	243.7000	0.2748	8.0200	16.5862	67.6440	624.0000	0.0053
5	7058	5/8/2007	ND	ND	162.4145	0.0173	ND	ND	323.3000	0.0368	7.9600	20.4429	92.8036	659.0000	0.0082
6	7059	5/8/2007	ND	ND	41.9681	0.0065	ND	ND	158.4000	0.0025	8.0800	0.3030	51.3437	214.0000	0.0492
7	7060	5/8/2007	ND	ND	100.1472	0.0041	ND	ND	515.5000	ND	7.7500	8.7046	112.6413	670.0000	0.0039
8	7061	5/8/2007	ND	ND	102.2501	0.0366	ND	ND	502.5000	0.0033	7.7600	6.8900	83.8562	615.0000	0.1046
9	7062	5/8/2007	ND	ND	72.6718	0.0242	ND	ND	460.1000	0.0021	7.7300	8.3629	38.0078	540.0000	0.0350
10	7063	5/8/2007	ND	ND	237.2746	0.0016	ND	0.1429	550.2000	0.0620	7.6600	7.9738	54.5829	764.0000	0.0066
11	7064	5/8/2007	ND	ND	116.6026	0.0105	ND	ND	382.2000	0.0033	7.8900	6.0527	48.0297	578.0000	0.0669
12	7152	6/22/2007	ND	ND	162.9921	0.0132	ND	ND	480.9000	0.0153	7.5700	6.2216	64.8109	679.0000	0.0113
13	7153	6/22/2007	ND	ND	85.2192	0.0227	ND	ND	337.6000	0.0007	7.4300	7.3269	ND	426.0000	0.0180
14	7154	6/22/2007	ND	ND	353.9857	0.0352	ND	ND	574.7000	0.0003	7.0000	5.9863	48.5673	1039.0000	0.0124
15	7155	6/22/2007	ND	ND	116.2155	0.0047	ND	ND	560.6000	ND	7.2100	8.1899	131.4394	690.0000	0.0028
16	7156	6/22/2007	ND	ND	123.3635	0.0098	ND	ND	562.9000	0.0030	7.2900	8.5678	132.2737	727.0000	0.0063
17	7278	8/24/2007	ND	ND	382.2231	0.0043	ND	ND	778.2000	0.0035	7.6600	25.3091	96.1867	1003.0000	0.0253
18	7279	8/24/2007	ND	ND	17.7822	0.0071	ND	0.1232	117.8000	0.0590	7.9900	12.9387	36.3611	377.0000	0.0033
19	7280	8/24/2007	ND	ND	96.7917	0.0134	ND	ND	517.7000	0.0005	7.3900	8.5086	148.7197	652.0000	0.0055
20	7281	8/24/2007	ND	ND	92.2644	0.0630	ND	ND	526.9000	0.0021	7.3700	8.4931	156.7432	652.0000	0.0661
21	7282	8/24/2007	ND	ND	53.5642	0.0098	ND	ND	480.9000	0.0011	7.5200	7.3798	193.3321	615.0000	0.0068
22	7283	8/24/2007	ND	ND	69.5639	0.0233	ND	ND	505.0000	0.0014	7.5300	7.3065	164.6712	616.0000	0.0191
23	7284	8/24/2007	ND	ND	46.6886	0.0177	ND	ND	432.6000	0.1012	7.5000	5.9046	170.0443	539.0000	0.2061
24	7285	8/24/2007	ND	ND	42.8391	0.0074	ND	ND	396.5000	0.1601	7.8700	7.3542	111.4563	479.0000	0.0047
25	7327	9/28/2007	ND	ND	228.2666	0.0110	ND	ND	628.3000	0.0004	7.6800	21.3948	65.6563	806.0000	0.0210
26	7331	9/28/2007	ND	ND	35.5198	0.0141	ND	0.0112	306.1000	0.0404	7.2200	9.0319	ND	440.0000	0.1375
27	7332	9/28/2007	ND	ND	176.3363	0.0150	ND	0.1252	14.8000	0.0045	8.6700	3.5063	ND	663.0000	ND
28	7333	9/28/2007	ND	ND	299.5316	0.0110	ND	0.0223	561.6000	0.0028	7.2900	5.9401	ND	878.0000	0.0107
29	7367	10/25/2007	ND	ND	ND	0.0090	ND	ND	315.9000	0.0003	7.9400	4.5804	ND	294.0000	0.1008
30	7368	10/25/2007	ND	ND	ND	0.0082	ND	ND	234.7000	0.0008	7.7900	4.8808	ND	240.0000	0.0044
31	7369	10/25/2007	ND	ND	ND	0.0139	ND	ND	111.0000	0.0005	7.9600	3.0989	ND	123.0000	0.0031
32	7370	10/25/2007	ND	ND	44.5294	0.0265	ND	ND	333.1000	0.0047	7.6700	4.7513	84.6099	412.0000	0.0407
33	7371	10/25/2007	ND	ND	115.3041	0.0101	ND	ND	558.2000	0.0037	7.3400	6.5229	150.9604	694.0000	0.1082
Test Count that Exceeded Standard:			0	0	4	0	0	0	32	5	1	0	0	32	0

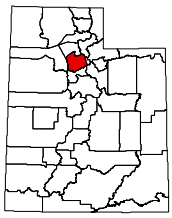
ND - Not Detected

Map 9. Salt Lake County District



Map Scale 1:221,760 (1 inch = 3.5 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Shambip District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7025	4/18/2007	POS	ND	47.1 F (8.4 C)	545	320.0	1.000	206.7	Well	Surface Water	Pit Masonry	Steel	Open	✓	✓					
2	7026	4/18/2007	ND	ND	47.7 F (8.7 C)	200	128.0	0.700	69.00	Well	Clean	Well House	Steel	Open	✓	✓					
3	7027	4/18/2007	ND	ND	53.1 F (11.7 C)	188	121.0	0.600	66.70	Flowing Well	Clean	Concrete Pad	Steel	Sealed	✓	✓					
4	7028	4/18/2007	ND	ND	51.1 F (10.6 C)	308	187.0	0.300	147.8	Well	Clean	Concrete Pad	Steel	Sealed	✓	✓					
5	7029	4/18/2007	ND	ND	52.0 F (11.1 C)	264	165.0	0.400	117.7	Well	Clean	Natural	Steel	Sealed	✓	✓					
6	7030	4/18/2007	ND	ND	54.7 F (12.6 C)	173	110.0	0.700	58.10	Flowing Well	Clean	Soil	Steel	Sealed	✓	✓					
7	7037	4/18/2007	ND	ND	52.0 F (11.1 C)	198	125.0	0.500	75.80	Well	Clean	Well House	Steel	Sealed	✓	✓					
8	7038	4/25/2007	ND	ND	56.1 F (13.4 C)	492	470.0	0.700	208.3	Well	Clean	Pit Concrete	Steel	Sealed	✓	✓					
9	7039	4/25/2007	ND	ND	55.6 F (13.1 C)	269	150.0	0.500	103.4	Well	Livestock	Pit Concrete	Steel	Sealed	✓	✓					
10	7040	4/25/2007	ND	ND	52.7 F (11.5 C)	693	359.0	0.400	325.7	Well	Clean	Well House	PVC	Sealed	✓	✓					
11	7041	4/25/2007	ND	ND	52.7 F (11.5 C)	260	163.0	0.800	92.10	Well	Gravel	Soil	Steel	Sealed	✓	✓					
12	7042	4/25/2007	ND	ND	48.2 F (9.0 C)	747	410.0	0.800	322.9	Well	Clean	Pit Concrete	Steel	Sealed	✓	✓					
13	7043	4/25/2007	POS	ND	52.5 F (11.4 C)	991	517.0	1.600	332.9	Well	Clean	Pit Masonry	Rock	Sealed	✓	✓					
14	7044	4/25/2007	POS	ND	69.4 F (20.8 C)	199	122.0	1.200	48.50	Well	Vegetated	Soil	Steel	Sealed	✓	✓					
15	7046	4/25/2007	POS	ND	52.7 F (11.5 C)	440	233.0	0.400	172.6	Spring	Vegetated	Natural	Steel	Open	✓	✓					
16	7047	4/25/2007	ND	ND	52.3 F (11.3 C)	1081	613.0	1.800	406.7	Well	Clean	Well House	Steel	Open	✓	✓					
17	7048	4/25/2007	ND	ND	54.3 F (12.4 C)	200	117.0	0.500	70.70	Well	Clean	Pit Soil	Steel	Sealed	✓	✓					
18	7049	4/25/2007	ND	ND	56.8 F (13.8 C)	456	258.0	0.600	188.2	Well	Vegetated	Pit Concrete	Steel	Sealed	✓	✓					
19	7050	4/25/2007	ND	ND	54.0 F (12.2 C)	535	286.0	0.700	209.6	Flowing Well	Vegetated	Lawn	Steel	Sealed	✓	✓					
20	7051	4/25/2007	ND	ND	56.1 F (13.4 C)	528	285.0	0.700	211.4	Flowing Well	Livestock	Concrete Pad	Steel	Sealed		✓					
21	7053	4/25/2007	POS	ND	56.1 F (13.4 C)	1905	1142.	3.500	626.9	Spring	Gravel	Covered	Steel	Sealed		✓					
22	7109	5/23/2007	POS	ND	61.7 F (16.5 C)	595	328.0	1.800	175.3	Well	Clay Soil	Concrete Pad	Steel	Sealed		✓					
23	7121	5/23/2007	POS	ND	60.8 F (16.0 C)	876	482.0	2.700	240.4	Spring	Vegetated	Lawn	Steel	Sealed	✓	✓					
24	7122	5/23/2007	POS	POS	63.3 F (17.4 C)	561	324.0	1.000	220.0	Spring	Gravel	Gravel	Steel	Sealed		✓					
Bacteria Positive Sample Count			8	1	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7025	4/24/2007	ND	0.0545	ND	39.1911	34.4617	ND	1.0439	0.0009	0.0116	ND	ND	280.0180	4.0589	0.0148	26.3854
2	7026	4/24/2007	ND	0.0219	ND	17.7644	11.1076	ND	7.5717	0.0005	0.0072	ND	0.0524	101.5030	1.2606	0.0078	5.9636
3	7027	4/24/2007	ND	0.0195	ND	19.6972	ND	ND	ND	0.0006	0.0063	ND	ND	106.0740	1.0409	0.0060	4.2320
4	7028	4/24/2007	ND	0.0224	ND	26.9132	11.3431	ND	ND	0.0018	0.0466	ND	0.0137	181.9630	1.4249	0.0098	19.5338
5	7029	4/24/2007	ND	0.0233	ND	23.7150	11.2077	ND	ND	0.0007	0.0027	ND	0.0268	150.4680	1.6316	0.0105	14.1739
6	7030	4/24/2007	ND	0.0193	ND	16.9687	ND	ND	ND	0.0009	0.0071	ND	ND	93.4655	1.0129	0.0055	3.8019
7	7037	4/24/2007	ND	0.0217	ND	20.5273	ND	ND	ND	ND	0.0526	ND	0.0112	108.8150	1.0250	0.0075	5.9337
8	7038	5/2/2007	ND	0.0318	ND	55.6355	72.6997	ND	211.8640	ND	0.0107	ND	0.0119	95.0404	1.6600	0.0045	16.8043
9	7039	5/2/2007	ND	0.0251	ND	27.2309	23.5687	ND	ND	ND	0.0041	ND	ND	107.4520	1.0078	0.0038	8.5632
10	7040	5/2/2007	ND	0.0227	ND	71.5564	86.1127	ND	ND	0.0009	0.0064	ND	ND	198.6050	ND	0.0075	35.6431
11	7041	5/2/2007	ND	0.0316	ND	19.2217	13.3245	ND	ND	0.0011	0.0039	ND	0.0203	134.9330	2.9001	0.0115	10.6831
12	7042	5/2/2007	ND	0.0699	ND	71.8699	55.7735	ND	ND	ND	0.0041	ND	ND	335.6440	2.7974	0.0176	34.7517
13	7043	5/2/2007	ND	0.1002	ND	58.7044	127.9339	ND	ND	0.0007	0.0243	ND	ND	278.3660	11.1358	0.0293	45.1910
14	7044	5/2/2007	ND	0.0302	ND	18.7853	ND	ND	ND	0.0007	0.0094	ND	0.0119	102.1560	1.4102	0.0150	0.3754
15	7046	5/2/2007	ND	0.0258	ND	45.5544	17.4281	ND	ND	ND	0.0133	ND	ND	248.1940	1.7701	0.0059	14.2617
16	7047	5/2/2007	ND	0.1148	ND	78.2716	113.6260	ND	ND	0.0011	0.0148	ND	ND	402.2730	5.7363	0.0236	51.2084
17	7048	5/2/2007	ND	0.0199	ND	21.4942	ND	ND	ND	0.0005	0.0061	ND	ND	109.6930	1.0393	0.0073	4.1089
18	7049	5/2/2007	ND	0.0278	ND	50.4787	74.9063	ND	ND	ND	0.0108	ND	ND	115.8900	1.5249	0.0043	15.0511
19	7050	5/2/2007	ND	0.0339	ND	44.4921	40.7706	ND	ND	0.0015	0.0055	ND	ND	231.9920	1.4840	0.0078	23.8833
20	7051	5/2/2007	ND	0.0323	ND	44.4065	40.6356	ND	ND	0.0015	0.0087	ND	ND	231.7080	1.5019	0.0079	24.3687
21	7053	5/2/2007	ND	0.1267	ND	160.7095	495.4347	ND	ND	ND	0.0218	ND	ND	213.2320	4.4341	0.0379	54.6404
22	7109	5/25/2007	ND	0.0539	ND	40.2222	102.0284	ND	ND	0.0010	0.0042	ND	ND	144.4200	3.3795	0.0376	18.1473
23	7121	5/25/2007	ND	0.1141	ND	44.1300	155.9808	ND	ND	0.0019	0.0052	ND	ND	212.7020	4.0724	0.1243	31.5719
24	7122	5/25/2007	ND	0.0552	ND	42.7411	66.3182	ND	ND	0.0007	0.0107	ND	ND	243.7840	1.6064	0.0210	27.4724
Test Count that Exceeded Standard			0	0	0	0	8	0	0	0	0	0	0	24	0	0	0

ND - Not Detected

Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
1	7025	4/24/2007	0.0532	0.0009	32.2562	ND	ND	ND	1.0000	ND	320.0000	ND	0.1902
2	7026	4/24/2007	0.0066	0.0006	12.5113	ND	ND	ND	0.7000	ND	128.0000	ND	ND
3	7027	4/24/2007	ND	0.0007	11.5636	ND	ND	ND	0.6000	ND	121.0000	ND	ND
4	7028	4/24/2007	0.0051	ND	9.3867	ND	ND	ND	0.3000	ND	187.0000	ND	0.1041
5	7029	4/24/2007	0.0044	0.0008	10.1446	0.0008	ND	ND	0.4000	ND	165.0000	ND	0.0555
6	7030	4/24/2007	ND	0.0008	11.4866	ND	ND	ND	0.7000	ND	110.0000	0.0092	ND
7	7037	4/24/2007	0.0023	0.0007	10.6509	ND	ND	ND	0.5000	ND	125.0000	ND	0.1344
8	7038	5/2/2007	0.0014	ND	22.8839	ND	ND	ND	0.7000	ND	470.0000	ND	0.0339
9	7039	5/2/2007	0.0009	ND	12.8417	ND	ND	ND	0.5000	ND	150.0000	ND	0.0187
10	7040	5/2/2007	ND	0.0008	15.7400	ND	ND	ND	0.4000	ND	359.0000	ND	0.0102
11	7041	5/2/2007	0.0097	0.0010	17.1429	ND	ND	ND	0.8000	ND	163.0000	0.0030	0.0427
12	7042	5/2/2007	0.0006	0.0010	34.3633	ND	ND	ND	0.8000	ND	410.0000	0.0027	0.0160
13	7043	5/2/2007	0.0008	0.0027	66.0104	ND	ND	ND	1.6000	ND	517.0000	0.0050	0.0043
14	7044	5/2/2007	0.0003	0.0015	19.0657	ND	ND	ND	1.2000	ND	122.0000	0.0037	ND
15	7046	5/2/2007	0.2741	0.0005	13.2844	ND	ND	ND	0.4000	ND	233.0000	ND	0.0375
16	7047	5/2/2007	0.0014	0.0018	82.5393	ND	ND	ND	1.8000	ND	613.0000	0.0044	0.0145
17	7048	5/2/2007	0.0031	ND	9.2821	ND	ND	ND	0.5000	ND	117.0000	ND	ND
18	7049	5/2/2007	0.0217	ND	20.3117	ND	ND	ND	0.6000	ND	258.0000	ND	0.0060
19	7050	5/2/2007	0.0006	0.0007	23.6757	ND	ND	ND	0.7000	ND	286.0000	ND	ND
20	7051	5/2/2007	0.0004	0.0008	23.9194	ND	ND	ND	0.7000	ND	285.0000	ND	ND
21	7053	5/2/2007	0.0006	ND	202.1675	0.0016	0.0022	ND	3.5000	ND	1142.0000	ND	1.0340
22	7109	5/25/2007	0.0003	ND	55.1768	0.0008	ND	ND	1.8000	ND	328.0000	ND	0.0161
23	7121	5/25/2007	0.0009	0.0021	96.0211	ND	ND	ND	2.7000	ND	482.0000	0.0040	0.0065
24	7122	5/25/2007	0.0003	0.0006	33.3777	ND	ND	ND	1.0000	ND	324.0000	ND	0.0109
Test Count that Exceeded Standard:			1	0	3	0	0	0	1	0	17	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7025	4/24/2007	ND	ND	0.0545	ND	ND	ND	0.0009	0.0116	ND	ND	ND	ND	8.9100	ND	ND	320.0000	0.1902
2	7026	4/24/2007	ND	ND	0.0219	ND	ND	ND	0.0005	0.0072	ND	ND	ND	ND	8.6100	ND	ND	128.0000	ND
3	7027	4/24/2007	ND	ND	0.0195	ND	ND	ND	0.0006	0.0063	ND	ND	ND	ND	8.1200	ND	ND	121.0000	ND
4	7028	4/24/2007	ND	ND	0.0224	ND	ND	ND	0.0018	0.0466	ND	ND	ND	ND	8.2700	ND	ND	187.0000	0.1041
5	7029	4/24/2007	ND	ND	0.0233	ND	ND	ND	0.0007	0.0027	ND	ND	ND	ND	8.3300	ND	ND	165.0000	0.0555
6	7030	4/24/2007	ND	ND	0.0193	ND	ND	ND	0.0009	0.0071	ND	ND	ND	ND	7.7700	ND	ND	110.0000	ND
7	7037	4/24/2007	ND	ND	0.0217	ND	ND	ND	ND	0.0526	ND	ND	ND	ND	8.0300	ND	ND	125.0000	0.1344
8	7038	5/2/2007	ND	ND	0.0318	ND	ND	ND	ND	0.0107	ND	ND	ND	ND	7.8500	ND	ND	470.0000	0.0339
9	7039	5/2/2007	ND	ND	0.0251	ND	ND	ND	ND	0.0041	ND	ND	ND	ND	7.4300	ND	ND	150.0000	0.0187
10	7040	5/2/2007	ND	ND	0.0227	ND	ND	ND	0.0009	0.0064	ND	ND	ND	ND	7.7600	ND	37.8907	359.0000	0.0102
11	7041	5/2/2007	ND	0.0047	0.0316	ND	ND	ND	0.0011	0.0039	ND	ND	ND	ND	8.0000	ND	ND	163.0000	0.0427
12	7042	5/2/2007	ND	0.0036	0.0699	ND	ND	ND	ND	0.0041	ND	ND	ND	ND	7.9800	ND	ND	410.0000	0.0160
13	7043	5/2/2007	ND	0.0066	0.1002	ND	ND	ND	0.0007	0.0243	ND	ND	ND	ND	8.0900	ND	48.4131	517.0000	0.0043
14	7044	5/2/2007	ND	0.0029	0.0302	ND	ND	ND	0.0007	0.0094	ND	ND	ND	ND	7.8900	ND	ND	122.0000	ND
15	7046	5/2/2007	ND	ND	0.0258	ND	ND	ND	ND	0.0133	ND	ND	ND	ND	7.9700	ND	ND	233.0000	0.0375
16	7047	5/2/2007	ND	0.0044	0.1148	ND	ND	ND	0.0011	0.0148	ND	ND	ND	ND	7.8500	ND	64.3917	613.0000	0.0145
17	7048	5/2/2007	ND	ND	0.0199	ND	ND	ND	0.0005	0.0061	ND	ND	ND	ND	7.8700	ND	ND	117.0000	ND
18	7049	5/2/2007	ND	ND	0.0278	ND	ND	ND	ND	0.0108	ND	ND	ND	ND	7.5800	ND	ND	258.0000	0.0060
19	7050	5/2/2007	ND	0.0028	0.0339	ND	ND	ND	0.0015	0.0055	ND	ND	ND	ND	8.0600	ND	ND	286.0000	ND
20	7051	5/2/2007	ND	0.0025	0.0323	ND	ND	ND	0.0015	0.0087	ND	ND	ND	ND	8.0900	ND	ND	285.0000	ND
21	7053	5/2/2007	ND	ND	0.1267	ND	0.0053	ND	ND	0.0218	ND	ND	ND	0.0022	7.8000	ND	112.3598	1142.0000	1.0340
22	7109	5/25/2007	ND	ND	0.0539	ND	ND	ND	0.0010	0.0042	ND	ND	ND	ND	7.9100	ND	ND	328.0000	0.0161
23	7121	5/25/2007	ND	ND	0.1141	ND	ND	ND	0.0019	0.0052	ND	ND	ND	ND	7.9900	ND	ND	482.0000	0.0065
24	7122	5/25/2007	ND	ND	0.0552	ND	ND	ND	0.0007	0.0107	ND	ND	ND	ND	8.1600	ND	ND	324.0000	0.0109
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0

ND - Not Detected

Culinary:

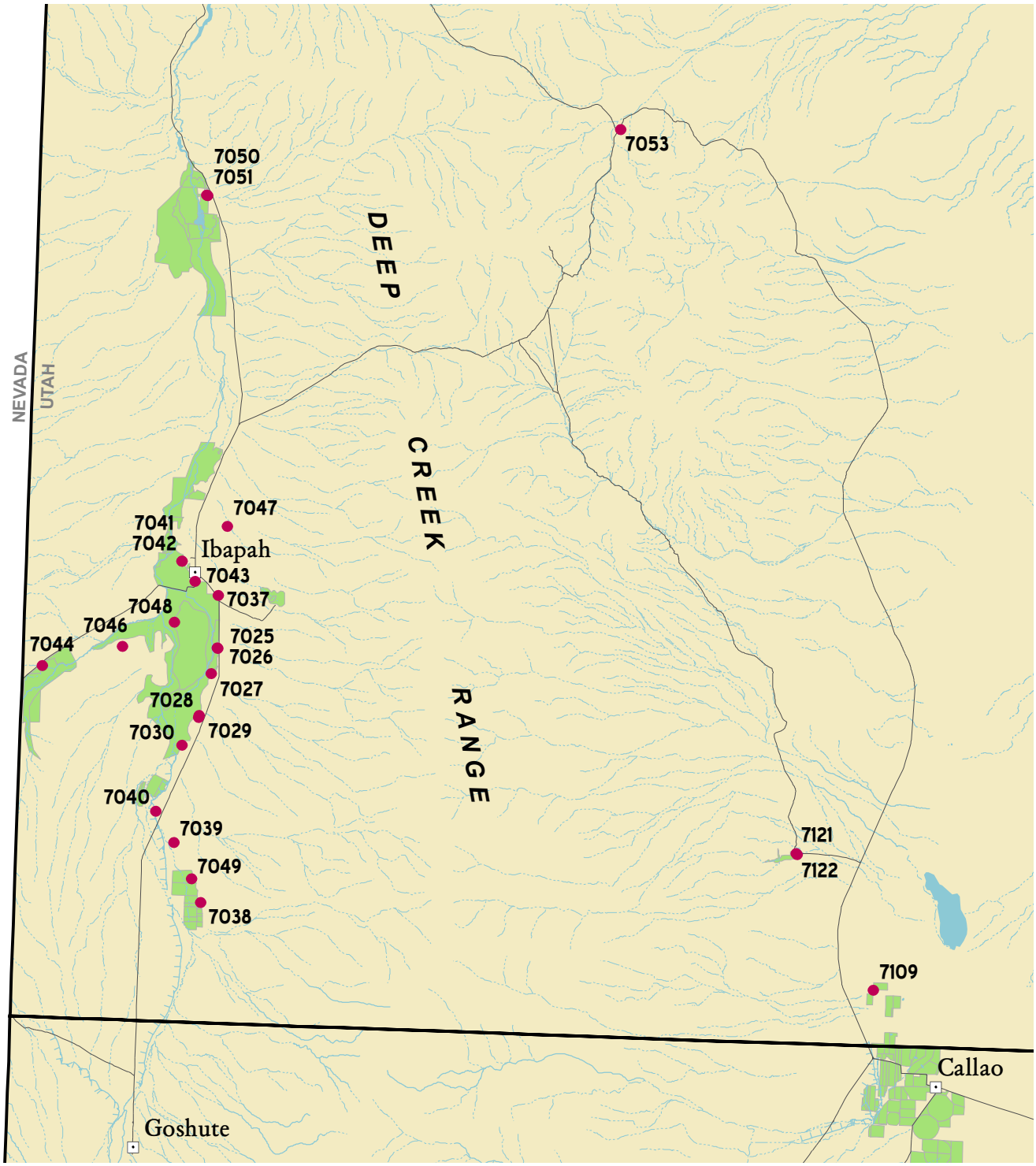
Drinking Water Primary Standards			0.01 As mg/L	2 Ba mg/L	0.004 Be mg/L	0.005 Cd mg/L	25 ClO4 ug/L	0.1 Cr mg/L	1.3 Cu mg/L	4 F mg/L	2 Hg ug/L	10000 Na mg/L	1000 Ni mg/L	44.3 NO3 mg/L	.015 Pb mg/L	.05 Se mg/L	500 SO4 mg/L	2000 TDS mg/L
	Sample No	Tested Date																
1	7025	4/24/2007	ND	0.0460	ND	ND	ND	0.0009	0.0116	ND	ND	32.2562	ND	ND	ND	ND	ND	320.0000
2	7026	4/24/2007	ND	0.0294	ND	ND	ND	0.0005	0.0072	ND	ND	12.5113	ND	ND	ND	ND	ND	128.0000
3	7027	4/24/2007	ND	0.0267	ND	ND	ND	0.0006	0.0063	ND	ND	11.5636	ND	ND	ND	ND	ND	121.0000
4	7028	4/24/2007	ND	0.0289	ND	ND	ND	0.0018	0.0466	ND	ND	9.3867	ND	ND	ND	ND	ND	187.0000
5	7029	4/24/2007	ND	0.0314	ND	ND	ND	0.0007	0.0027	ND	ND	10.1446	0.0008	ND	ND	ND	ND	165.0000
6	7030	4/24/2007	ND	0.0218	ND	ND	ND	0.0009	0.0071	ND	ND	11.4866	ND	ND	ND	ND	ND	110.0000
7	7037	4/24/2007	ND	0.0318	ND	ND	ND	ND	0.0526	ND	ND	10.6509	ND	ND	ND	ND	ND	125.0000
8	7038	5/2/2007	ND	0.0522	ND	ND	ND	ND	0.0107	ND	ND	22.8839	ND	ND	ND	ND	ND	470.0000
9	7039	5/2/2007	ND	0.0383	ND	ND	ND	ND	0.0041	ND	ND	12.8417	ND	ND	ND	ND	ND	150.0000
10	7040	5/2/2007	ND	0.0595	ND	ND	ND	0.0009	0.0064	ND	ND	15.7400	ND	ND	ND	ND	37.8907	359.0000
11	7041	5/2/2007	0.0047	0.0580	ND	ND	ND	0.0011	0.0039	ND	ND	17.1429	ND	ND	ND	ND	ND	163.0000
12	7042	5/2/2007	0.0036	0.1012	ND	ND	ND	ND	0.0041	ND	ND	34.3633	ND	ND	ND	ND	ND	410.0000
13	7043	5/2/2007	0.0066	0.1706	ND	ND	ND	0.0007	0.0243	ND	ND	66.0104	ND	ND	ND	ND	48.4131	517.0000
14	7044	5/2/2007	0.0029	0.0250	ND	ND	ND	0.0007	0.0094	ND	ND	19.0657	ND	ND	ND	ND	ND	122.0000
15	7046	5/2/2007	ND	0.1095	ND	ND	ND	ND	0.0133	ND	ND	13.2844	ND	ND	ND	ND	ND	233.0000
16	7047	5/2/2007	0.0044	0.1827	ND	ND	ND	0.0011	0.0148	ND	ND	82.5393	ND	ND	ND	ND	64.3917	613.0000
17	7048	5/2/2007	ND	0.0336	ND	ND	ND	0.0005	0.0061	ND	ND	9.2821	ND	ND	ND	ND	ND	117.0000
18	7049	5/2/2007	ND	0.0667	ND	ND	ND	ND	0.0108	ND	ND	20.3117	ND	ND	ND	ND	ND	258.0000
19	7050	5/2/2007	0.0028	0.1364	ND	ND	ND	0.0015	0.0055	ND	ND	23.6757	ND	ND	ND	ND	ND	286.0000
20	7051	5/2/2007	0.0025	0.1343	ND	ND	ND	0.0015	0.0087	ND	ND	23.9194	ND	ND	ND	ND	ND	285.0000
21	7053	5/2/2007	ND	0.0385	ND	0.0053	ND	ND	0.0218	ND	ND	202.1675	0.0016	ND	0.0022	ND	112.3598	1142.0000
22	7109	5/25/2007	ND	0.0446	ND	ND	ND	0.0010	0.0042	ND	ND	55.1768	0.0008	ND	ND	ND	ND	328.0000
23	7121	5/25/2007	ND	0.0878	ND	ND	ND	0.0019	0.0052	ND	ND	96.0211	ND	ND	ND	ND	ND	482.0000
24	7122	5/25/2007	ND	0.0843	ND	ND	ND	0.0007	0.0107	ND	ND	33.3777	ND	ND	ND	ND	ND	324.0000
Test Count that Exceeded Standard			0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7025	4/24/2007	ND	ND	34.4617	0.0116	ND	ND	206.7000	0.0532	8.9100	12.5372	ND	320.0000	0.1902
2	7026	4/24/2007	ND	ND	11.1076	0.0072	ND	0.0524	69.0000	0.0066	8.6100	11.2067	ND	128.0000	ND
3	7027	4/24/2007	ND	ND	ND	0.0063	ND	ND	66.7000	ND	8.1200	12.3802	ND	121.0000	ND
4	7028	4/24/2007	ND	ND	11.3431	0.0466	ND	0.0137	147.8000	0.0051	8.2700	14.3490	ND	187.0000	0.1041
5	7029	4/24/2007	ND	ND	11.2077	0.0027	ND	0.0268	117.7000	0.0044	8.3300	15.0910	ND	165.0000	0.0555
6	7030	4/24/2007	ND	ND	ND	0.0071	ND	ND	58.1000	ND	7.7700	11.9664	ND	110.0000	ND
7	7037	4/24/2007	ND	ND	ND	0.0526	ND	0.0112	75.8000	0.0023	8.0300	11.8665	ND	125.0000	0.1344
8	7038	5/2/2007	ND	ND	72.6997	0.0107	ND	0.0119	208.3000	0.0014	7.8500	9.7827	ND	470.0000	0.0339
9	7039	5/2/2007	ND	ND	23.5687	0.0041	ND	ND	103.4000	0.0009	7.4300	9.6013	ND	150.0000	0.0187
10	7040	5/2/2007	ND	ND	86.1127	0.0064	ND	ND	325.7000	ND	7.7600	9.9723	37.8907	359.0000	0.0102
11	7041	5/2/2007	ND	ND	13.3245	0.0039	ND	0.0203	92.1000	0.0097	8.0000	20.1229	ND	163.0000	0.0427
12	7042	5/2/2007	ND	ND	55.7735	0.0041	ND	ND	322.9000	0.0006	7.9800	14.7810	ND	410.0000	0.0160
13	7043	5/2/2007	ND	ND	127.9339	0.0243	ND	ND	332.9000	0.0008	8.0900	19.0580	48.4131	517.0000	0.0043
14	7044	5/2/2007	ND	ND	ND	0.0094	ND	0.0119	48.5000	0.0003	7.8900	12.3611	ND	122.0000	ND
15	7046	5/2/2007	ND	ND	17.4281	0.0133	ND	ND	172.6000	0.2741	7.9700	8.3831	ND	233.0000	0.0375
16	7047	5/2/2007	ND	ND	113.6260	0.0148	ND	ND	406.7000	0.0014	7.8500	15.9780	64.3917	613.0000	0.0145
17	7048	5/2/2007	ND	ND	ND	0.0061	ND	ND	70.7000	0.0031	7.8700	10.6725	ND	117.0000	ND
18	7049	5/2/2007	ND	ND	74.9063	0.0108	ND	ND	188.2000	0.0217	7.5800	8.1186	ND	258.0000	0.0060
19	7050	5/2/2007	ND	ND	40.7706	0.0055	ND	ND	209.6000	0.0006	8.0600	8.4884	ND	286.0000	ND
20	7051	5/2/2007	ND	ND	40.6356	0.0087	ND	ND	211.4000	0.0004	8.0900	8.6943	ND	285.0000	ND
21	7053	5/2/2007	ND	ND	495.4347	0.0218	ND	ND	626.9000	0.0006	7.8000	6.1433	112.3598	1142.0000	1.0340
22	7109	5/25/2007	ND	ND	102.0284	0.0042	ND	ND	175.3000	0.0003	7.9100	7.0688	ND	328.0000	0.0161
23	7121	5/25/2007	ND	ND	155.9808	0.0052	ND	ND	240.4000	0.0009	7.9900	10.2068	ND	482.0000	0.0065
24	7122	5/25/2007	ND	ND	66.3182	0.0107	ND	ND	220.0000	0.0003	8.1600	6.0946	ND	324.0000	0.0109
Test Count that Exceeded Standard:			0	0	1	0	0	0	22	2	2	0	0	14	0

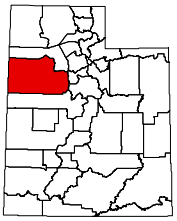
ND - Not Detected

Map 10. Shambip District



Map Scale 1:190,080 (1 inch = 3 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Weber District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7067	5/2/2007	ND	ND	65.8 F (18.8 C)	369	226.0	1.300	133.1	Well	Clean	Concrete Pad	Steel	Sealed	☐	☑	☐	☐	☐	☐	☐
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7067	5/8/2007	ND	0.0582	ND	38.1253	22.2395	ND	ND	ND	0.0022	ND	ND	210.5550	3.1509	0.0440	9.1832
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7067	5/8/2007	0.0687	0.0014	35.7352	ND	ND	ND	1.3000	ND	226.0000	ND	0.0039
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	1	0	0

ND - Not Detected

Livestock:

Livestock Standards	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7067	5/8/2007	ND	0.0040	0.0582	ND	ND	ND	ND	0.0022	ND	ND	ND	ND	8.2400	ND	ND	226.0000	0.0039
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

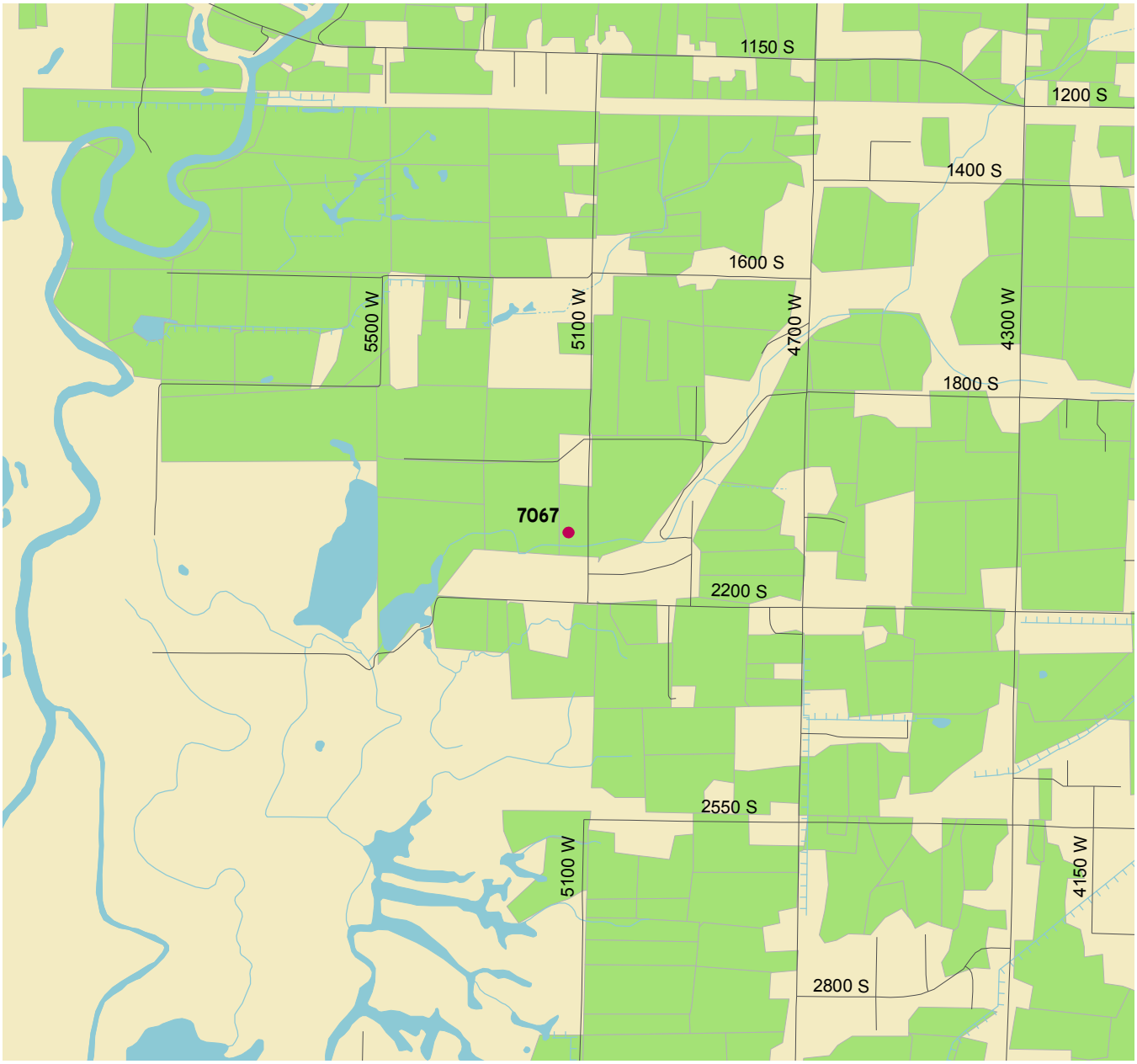
Drinking Water Primary Standards	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
1	7067	5/8/2007	0.0040	0.3288	ND	ND	ND	ND	0.0022	ND	ND	35.7352	ND	ND	ND	ND	ND	226.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
1	7067	5/8/2007	ND	ND	22.2395	0.0022	ND	ND	133.1000	0.0687	8.2400	10.2932	ND	226.0000	0.0039
Test Count that Exceeded Standard:			0	0	0	0	0	0	1	1	0	0	0	1	0

ND - Not Detected

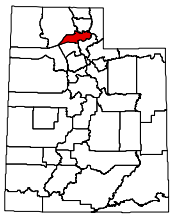
Map 11. Weber County District



Map Scale 1:24,000 (1 inch = 0.38 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 3 **(Wasatch County and most of Summit and Utah counties)**

Thirty (30) sites were sampled in the five (5) Soil Conservation Districts in Zone 3 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: three (3) in Alpine, seven (7) in Kamas Valley, four (4) in Summit, eleven (11) in Timp-Nebo, and five (5) in Wasatch districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 3. The next four columns summarize the number of tests which exceed the standards for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 3 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Alpine	3	120	1	8	8	2
Kamas Valley	7	280	0	15	16	1
Summit	4	160	0	9	12	1
Timp-Nebo	11	440	2	26	31	4
Wasatch	5	200	0	7	8	0
Zone Totals:	**30**	**1200**	**3**	**65**	**75**	**8**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the *Water quality for agriculture 29 Revision 1*, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Alpine District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7123	5/30/2007	ND	ND	54.0 F (12.2 C)	502	316.0	0.600	241.5	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
2	7124	5/30/2007	ND	ND	57.9 F (14.4 C)	4010	2130.	2.200	1427.	Well	Clean	Soil	Steel	Sealed	✔	✔					
3	7326	9/18/2007	ND	ND	60.3 F (15.7 C)	545	325.0	0.400	289.2	Well	Clean	Well House	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**0**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7123	6/5/2007	ND	0.0190	ND	59.4057	31.4208	ND	ND	0.0008	0.0144	ND	ND	223.2920	1.8892	0.0032	22.5787
2	7124	6/5/2007	ND	0.1274	ND	389.6266	986.2681	0.0004	ND	0.0006	0.0110	ND	ND	181.0000	4.7589	0.0785	110.1185
3	7326	9/20/2007	ND	0.0386	ND	66.3993	12.7350	ND	ND	0.0012	0.0046	ND	ND	271.6300	1.5052	0.0044	29.8979
Test Count that Exceeded Standard			0	0	0	0	1	0	0	0	0	0	0	3	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7123	6/5/2007	0.0003	0.0010	21.1256	ND	ND	ND	0.6000	ND	316.0000	ND	0.0126
2	7124	6/5/2007	0.0005	0.0006	195.0075	0.0030	ND	ND	2.2000	0.0122	2130.0000	ND	0.0831
3	7326	9/20/2007	0.0011	0.0008	13.8366	ND	ND	ND	0.4000	ND	325.0000	ND	0.0169
Test Count that Exceeded Standard:			0	0	1	0	0	0	0	0	3	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7123	6/5/2007	ND	ND	0.0190	ND	ND	ND	0.0008	0.0144	ND	ND	ND	ND	7.8600	ND	61.4878	316.0000	0.0126
2	7124	6/5/2007	ND	ND	0.1274	ND	ND	0.0004	0.0006	0.0110	ND	ND	32.4863	ND	7.4900	0.0122	314.4339	2130.0000	0.0831
3	7326	9/20/2007	ND	ND	0.0386	ND	ND	ND	0.0012	0.0046	ND	ND	ND	ND	7.6500	ND	52.6038	325.0000	0.0169
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0

ND - Not Detected

Culinary:

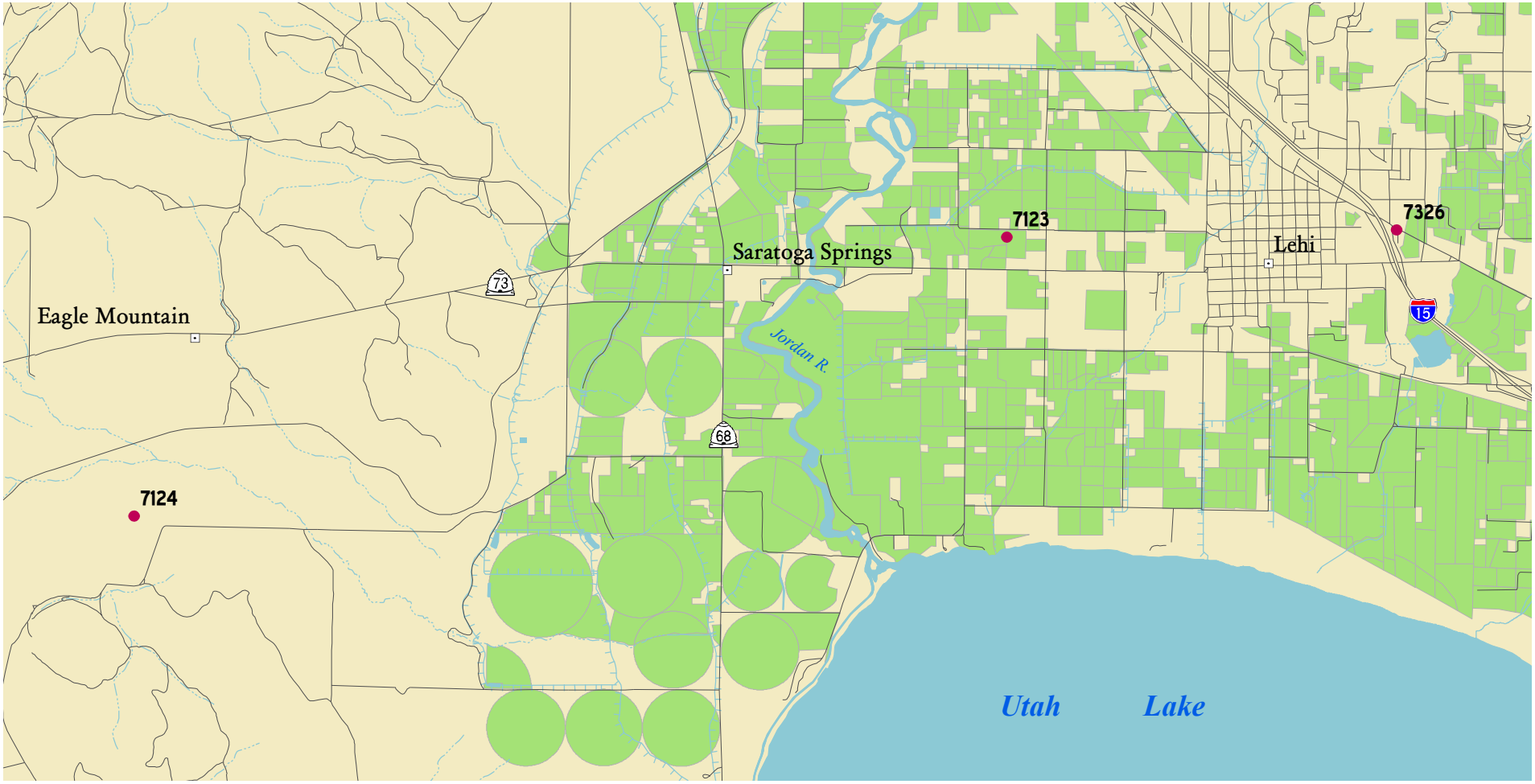
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7123	6/5/2007	ND	0.1220	ND	ND	ND	0.0008	0.0144	ND	ND	21.1256	ND	ND	ND	ND	61.4878	316.0000
2	7124	6/5/2007	ND	0.0675	ND	ND	ND	0.0006	0.0110	ND	ND	195.0075	0.0030	32.4863	ND	0.0122	314.4339	2130.0000
3	7326	9/20/2007	ND	0.1180	ND	ND	ND	0.0012	0.0046	ND	ND	13.8366	ND	ND	ND	ND	52.6038	325.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7123	6/5/2007	ND	ND	31.4208	0.0144	ND	ND	241.5000	0.0003	7.8600	5.9116	61.4878	316.0000	0.0126
2	7124	6/5/2007	ND	ND	986.2681	0.0110	ND	ND	1427.8000	0.0005	7.4900	8.3374	314.4339	2130.0000	0.0831
3	7326	9/20/2007	ND	ND	12.7350	0.0046	ND	ND	289.2000	0.0011	7.6500	5.4593	52.6038	325.0000	0.0169
Test Count that Exceeded Standard:			0	0	1	0	0	0	3	0	0	0	1	3	0

ND - Not Detected

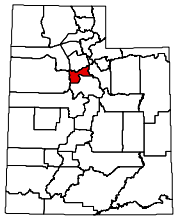
Map 12. Alpine District



Map Scale 1:63,360 (1 inch = 1 mile)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Kamas Valley District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7288	8/21/2007	POS	ND	48.4 F (9.1 C)	387	216.0	0.200	199.6	Well	Cobble	Gravel	Steel	Sealed	✔	✔					
2	7335	9/26/2007	POS	ND	53.2 F (11.8 C)	487	271.0	0.200	253.0	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
3	7336	9/26/2007	ND	ND	54.9 F (12.7 C)	438	245.0	0.200	229.9	Well	Clean	Soil	Steel	Sealed							
4	7337	9/26/2007	POS	ND	51.3 F (10.7 C)	431	243.0	0.200	228.3	Well	Cobble	Covered	Steel	Sealed	✔	✔					
5	7338	9/26/2007	POS	ND	55.8 F (13.2 C)	448	382.0	0.200	239.9	Well	Cobble	Covered	Steel	Sealed	✔	✔					
6	7339	9/26/2007	ND	ND	52.5 F (11.4 C)	436	518.0	0.300	218.2	Well	Clean	Covered	Steel	Sealed	✔	✔					
7	7348	10/10/2007	POS	ND	46.6 F (8.1 C)	898	485.0	0.700	403.0	Spring	Vegetated	Pit Concrete	Concrete	Sealed	✔	✔					
Bacteria Positive Sample Count			**5**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7288	8/24/2007	ND	0.2168	ND	53.9924	ND	ND	ND	ND	0.0080	ND	ND	226.8540	0.9069	0.0101	15.6767
2	7335	9/28/2007	ND	0.0214	ND	75.2716	ND	ND	ND	ND	0.0077	ND	ND	289.8840	2.2640	0.0043	15.7307
3	7336	9/28/2007	ND	0.0186	ND	68.6033	ND	ND	ND	ND	0.0103	ND	ND	264.0180	1.7651	0.0034	14.1803
4	7337	9/28/2007	ND	0.0170	ND	67.8573	ND	ND	ND	ND	0.0138	ND	ND	258.2100	1.9375	0.0031	14.2319
5	7338	9/28/2007	ND	0.0207	ND	72.1502	54.5995	ND	ND	ND	0.0201	ND	ND	276.3900	2.2111	0.0046	14.4393
6	7339	9/28/2007	ND	0.0213	ND	64.2775	77.5731	ND	ND	ND	0.0112	ND	ND	247.5460	3.4942	0.0039	13.9669
7	7348	10/15/2007	ND	0.0313	ND	139.2035	135.6424	ND	ND	0.0014	0.0073	ND	ND	277.8910	1.4796	0.0062	13.3524
Test Count that Exceeded Standard			0	0	0	0	2	0	0	0	0	0	0	7	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7288	8/24/2007	0.0729	0.0017	7.4401	0.0010	ND	ND	0.2000	ND	216.0000	ND	0.0153
2	7335	9/28/2007	0.0008	ND	9.1268	ND	ND	ND	0.2000	ND	271.0000	ND	0.0442
3	7336	9/28/2007	0.0017	ND	7.4170	ND	ND	ND	0.2000	ND	245.0000	ND	0.0146
4	7337	9/28/2007	0.0025	ND	6.6065	ND	ND	ND	0.2000	ND	243.0000	ND	0.0214
5	7338	9/28/2007	0.0025	ND	7.9975	ND	ND	ND	0.2000	ND	382.0000	ND	0.0372
6	7339	9/28/2007	0.0052	ND	10.4332	ND	ND	ND	0.3000	ND	518.0000	ND	0.0193
7	7348	10/15/2007	0.0002	ND	34.1672	ND	ND	ND	0.7000	ND	485.0000	ND	0.0038
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	7	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7288	8/24/2007	ND	ND	0.2168	ND	ND	ND	ND	0.0080	ND	ND	ND	ND	7.6900	ND	ND	216.0000	0.0153
2	7335	9/28/2007	ND	ND	0.0214	ND	ND	ND	ND	0.0077	ND	ND	ND	ND	7.4800	ND	ND	271.0000	0.0442
3	7336	9/28/2007	ND	ND	0.0186	ND	ND	ND	ND	0.0103	ND	ND	ND	ND	7.5600	ND	ND	245.0000	0.0146
4	7337	9/28/2007	ND	ND	0.0170	ND	ND	ND	ND	0.0138	ND	ND	ND	ND	7.5700	ND	ND	243.0000	0.0214
5	7338	9/28/2007	ND	ND	0.0207	ND	ND	ND	ND	0.0201	ND	ND	15.6852	ND	7.5600	ND	73.5920	382.0000	0.0372
6	7339	9/28/2007	ND	ND	0.0213	ND	ND	ND	ND	0.0112	ND	ND	29.1706	ND	7.8200	ND	182.0595	518.0000	0.0193
7	7348	10/15/2007	ND	ND	0.0313	ND	ND	ND	0.0014	0.0073	ND	ND	ND	ND	7.9400	ND	ND	485.0000	0.0038
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

ND - Not Detected

Culinary:

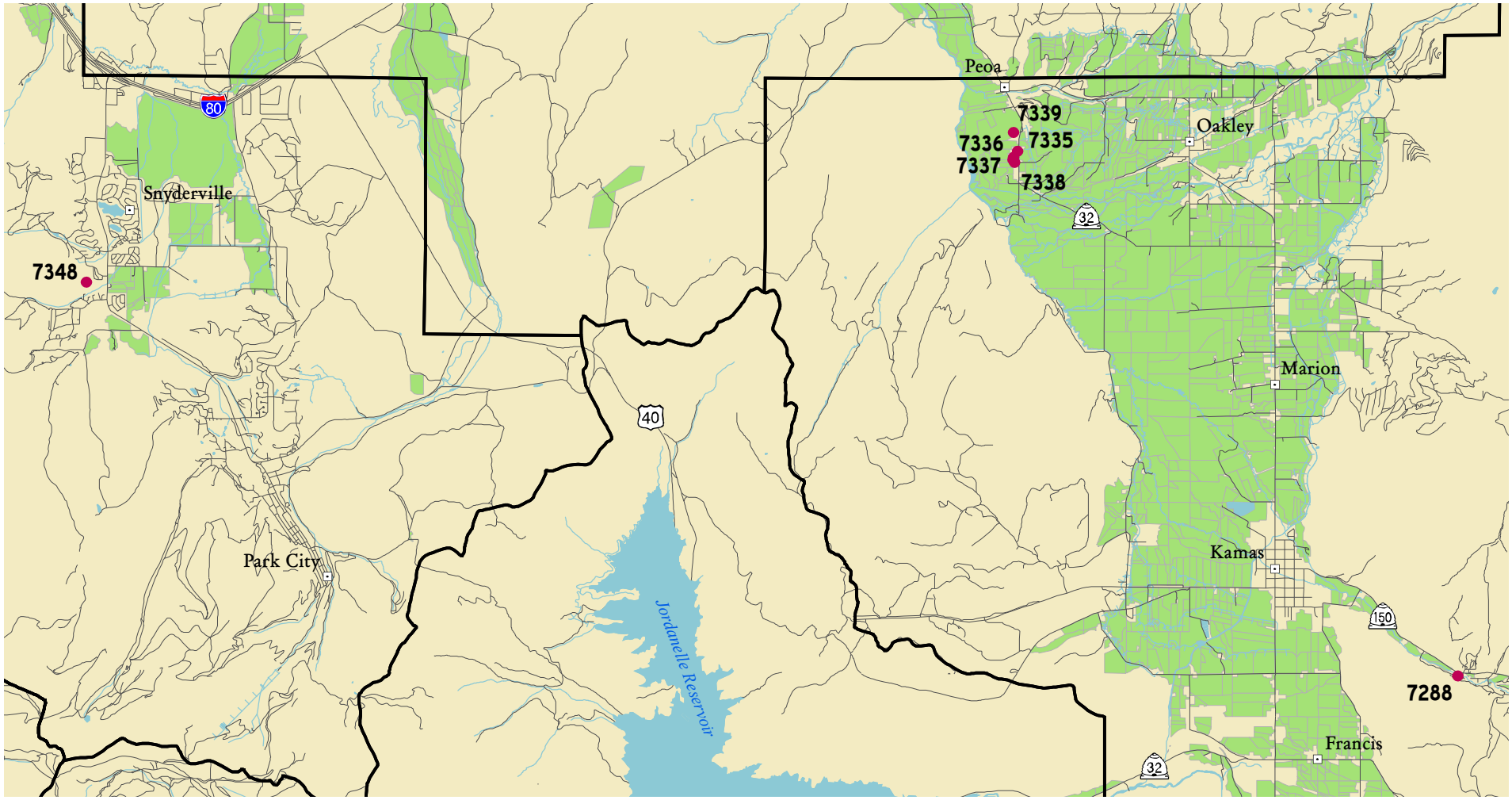
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7288	8/24/2007	ND	0.0440	ND	ND	ND	ND	0.0080	ND	ND	7.4401	0.0010	ND	ND	ND	ND	216.0000
2	7335	9/28/2007	ND	0.1136	ND	ND	ND	ND	0.0077	ND	ND	9.1268	ND	ND	ND	ND	ND	271.0000
3	7336	9/28/2007	ND	0.0943	ND	ND	ND	ND	0.0103	ND	ND	7.4170	ND	ND	ND	ND	ND	245.0000
4	7337	9/28/2007	ND	0.0994	ND	ND	ND	ND	0.0138	ND	ND	6.6065	ND	ND	ND	ND	ND	243.0000
5	7338	9/28/2007	ND	0.0945	ND	ND	ND	ND	0.0201	ND	ND	7.9975	ND	15.6852	ND	ND	73.5920	382.0000
6	7339	9/28/2007	ND	0.0941	ND	ND	ND	ND	0.0112	ND	ND	10.4332	ND	29.1706	ND	ND	182.0595	518.0000
7	7348	10/15/2007	ND	0.1240	ND	ND	ND	0.0014	0.0073	ND	ND	34.1672	ND	ND	ND	ND	ND	485.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7288	8/24/2007	ND	ND	ND	0.0080	ND	ND	199.6000	0.0729	7.6900	3.8845	ND	216.0000	0.0153
2	7335	9/28/2007	ND	ND	ND	0.0077	ND	ND	253.0000	0.0008	7.4800	5.8822	ND	271.0000	0.0442
3	7336	9/28/2007	ND	ND	ND	0.0103	ND	ND	229.9000	0.0017	7.5600	5.3339	ND	245.0000	0.0146
4	7337	9/28/2007	ND	ND	ND	0.0138	ND	ND	228.3000	0.0025	7.5700	5.2207	ND	243.0000	0.0214
5	7338	9/28/2007	ND	ND	54.5995	0.0201	ND	ND	239.9000	0.0025	7.5600	5.1537	73.5920	382.0000	0.0372
6	7339	9/28/2007	ND	ND	77.5731	0.0112	ND	ND	218.2000	0.0052	7.8200	14.9920	182.0595	518.0000	0.0193
7	7348	10/15/2007	ND	ND	135.6424	0.0073	ND	ND	403.0000	0.0002	7.9400	5.2207	ND	485.0000	0.0038
Test Count that Exceeded Standard:			0	0	0	0	0	0	7	1	0	0	0	7	0

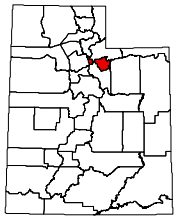
ND - Not Detected

Map 13. Kamas Valley District



Map Scale 1:114,048 (1 inch = 1.8 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Summit District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7286	8/21/2007	POS	ND	54.0 F (12.2 C)	851	509.0	0.400	445.9	Well	Clean	Inside Shed	Steel	Sealed	✔	✔					
2	7287	8/21/2007	POS	POS	61.0 F (16.1 C)	708	436.0	0.700	372.6	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
3	7334	9/26/2007	ND	ND	49.5 F (9.7 C)	391	219.0	0.200	200.5	Well	Vegetated	Natural	Steel	Sealed	✔	✔					
4	7340	10/10/2007	POS	ND	54.0 F (12.2 C)	566	332.0	4.700	97.00	Well	Vegetated	Covered	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			3	1																	

ND - Not Detected

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7286	8/24/2007	ND	0.0250	ND	128.9855	113.0715	ND	ND	0.0013	0.0302	ND	ND	323.1970	3.1736	0.0134	29.9628
2	7287	8/24/2007	ND	0.0507	ND	108.5674	38.2990	ND	ND	ND	0.0146	ND	ND	413.4680	3.3790	0.0174	24.5484
3	7334	9/28/2007	ND	0.0142	ND	73.0020	ND	ND	ND	ND	0.0101	ND	ND	232.6660	0.7099	ND	4.3636
4	7340	10/15/2007	ND	1.6050	ND	24.3150	18.4244	ND	ND	0.0009	0.0069	ND	ND	295.1020	3.1463	0.0672	8.7787
Test Count that Exceeded Standard			0	1	0	0	1	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7286	8/24/2007	0.0092	ND	21.2909	0.0008	ND	ND	0.4000	ND	509.0000	0.0022	0.0589
2	7287	8/24/2007	0.0569	ND	31.3917	0.0014	ND	ND	0.7000	ND	436.0000	ND	0.0525
3	7334	9/28/2007	0.0007	ND	5.7212	ND	ND	ND	0.2000	ND	219.0000	ND	0.0980
4	7340	10/15/2007	0.0329	ND	105.3951	ND	ND	ND	4.7000	ND	332.0000	ND	0.0024
Test Count that Exceeded Standard:			0	0	1	0	0	0	1	0	4	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7286	8/24/2007	ND	ND	0.0250	ND	ND	ND	0.0013	0.0302	ND	ND	ND	ND	7.3600	ND	ND	509.0000	0.0589
2	7287	8/24/2007	ND	ND	0.0507	ND	ND	ND	ND	0.0146	ND	ND	ND	ND	7.4100	ND	ND	436.0000	0.0525
3	7334	9/28/2007	ND	ND	0.0142	ND	ND	ND	ND	0.0101	ND	ND	ND	ND	7.5800	ND	ND	219.0000	0.0980
4	7340	10/15/2007	ND	ND	1.6050	ND	ND	ND	0.0009	0.0069	ND	ND	ND	ND	8.3600	ND	ND	332.0000	0.0024
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

ND - Not Detected

Culinary:

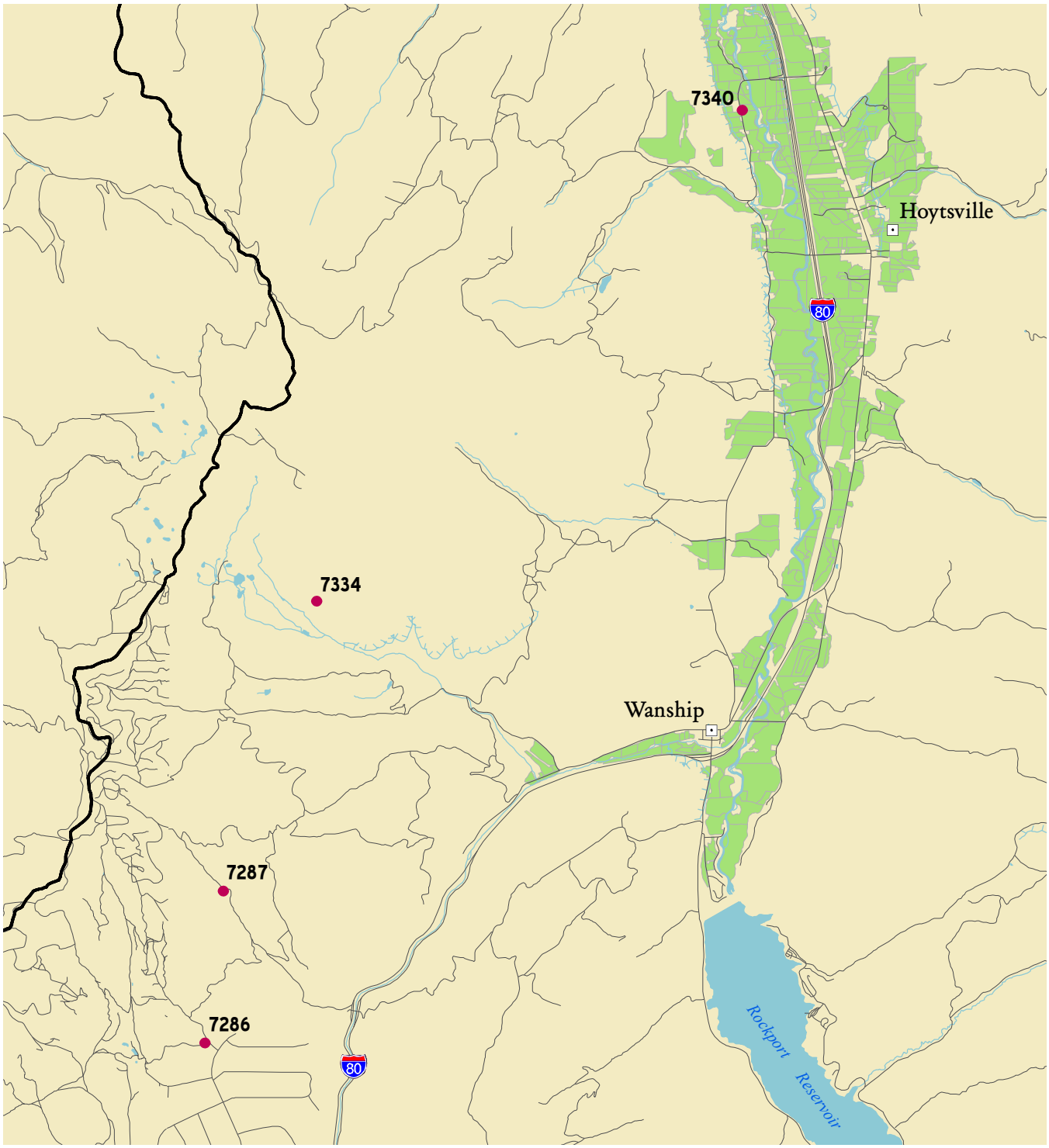
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L
1	7286	8/24/2007	ND	0.4348	ND	ND	ND	0.0013	0.0302	ND	ND	21.2909	0.0008	ND	ND	ND	ND
2	7287	8/24/2007	ND	0.1983	ND	ND	ND	ND	0.0146	ND	ND	31.3917	0.0014	ND	ND	ND	ND
3	7334	9/28/2007	ND	0.0545	ND	ND	ND	ND	0.0101	ND	ND	5.7212	ND	ND	ND	ND	ND
4	7340	10/15/2007	ND	0.0381	ND	ND	ND	0.0009	0.0069	ND	ND	105.3951	ND	ND	ND	ND	ND
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7286	8/24/2007	ND	ND	113.0715	0.0302	ND	ND	445.9000	0.0092	7.3600	25.7338	ND	509.0000	0.0589
2	7287	8/24/2007	ND	ND	38.2990	0.0146	ND	ND	372.6000	0.0569	7.4100	7.8131	ND	436.0000	0.0525
3	7334	9/28/2007	ND	ND	ND	0.0101	ND	ND	200.5000	0.0007	7.5800	6.0053	ND	219.0000	0.0980
4	7340	10/15/2007	ND	ND	18.4244	0.0069	ND	ND	97.0000	0.0329	8.3600	3.7878	ND	332.0000	0.0024
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	1	0	0	0	4	0

ND - Not Detected

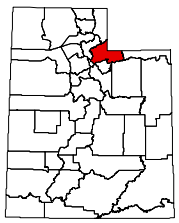
Map 14. Summit County District



Map Scale 1:85,000 (1 inch = 1.3 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Timp-Nebo District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7070	5/15/2007	ND	ND	54.7 F (12.6 C)	918	673.0	0.800	533.0	Well	Surface Water	Well House	Steel	Sealed	✔	✔					
2	7125	5/30/2007	ND	ND	57.0 F (13.9 C)	665	414.0	0.300	355.9	Well	Clean	Well House	Steel	Sealed	✔	✔					
3	7126	5/30/2007	POS	POS	53.6 F (12.0 C)	608	383.0	0.400	305.0	Spring	Vegetated	Natural	Earth	Open		✔					
4	7127	5/30/2007	POS	POS	52.2 F (11.2 C)	796	509.0	0.700	383.7	Spring	Surface Water	Natural	PVC	Open		✔					
5	7128	5/30/2007	POS	ND	55.8 F (13.2 C)	494	276.0	2.000	141.9	Flowing Well	Gravel	Covered	Steel	Sealed	✔	✔					
6	7321	9/18/2007	ND	ND	61.7 F (16.5 C)	1335	882.0	1.400	632.8	Well	Clean	Soil	Steel	Open	✔	✔					
7	7322	9/18/2007	POS	ND	59.2 F (15.1 C)	423	248.0	0.200	229.1	Well	Vegetated	Covered			✔	✔					
8	7323	9/18/2007	ND	ND	87.6 F (30.9 C)	4120	2046.	15.50	357.2	Flowing Well	Clean	Soil	PVC	Sealed		✔			✔		
9	7324	9/18/2007	ND	ND	61.9 F (16.6 C)	735	433.0	0.600	328.1	Flowing Well	Clean	Well House	Steel	Sealed	✔	✔					
10	7325	9/18/2007	POS	ND	66.4 F (19.1 C)	600	372.0	0.800	264.6	Flowing Well	Clean	Natural	Steel	Perforated		✔			✔		
11	7366	10/22/2007	POS	ND	55.2 F (12.9 C)	1722	1066.	2.400	761.9	Well	Vegetated	Lawn	Steel	Sealed		✔					
Bacteria Positive Sample Count			6	2																	

ND - Not Detected

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7070	5/23/2007	ND	0.1184	ND	114.9468	30.1436	ND	ND	0.0020	0.0214	ND	ND	464.1630	7.3735	0.0344	59.6263
2	7125	6/5/2007	ND	0.0309	ND	80.0709	14.1423	ND	ND	ND	0.0030	ND	ND	303.6610	2.6021	0.0086	37.8008
3	7126	6/5/2007	ND	0.0668	ND	87.4990	22.2668	ND	ND	0.0007	0.0190	ND	ND	294.9530	3.7803	0.0182	20.9409
4	7127	6/5/2007	ND	0.0750	ND	102.0803	48.7151	ND	ND	0.0009	0.0183	ND	ND	394.8140	5.6773	0.0220	31.1852
5	7128	6/5/2007	ND	0.1273	ND	19.5074	21.2624	ND	ND	0.0006	0.0101	ND	ND	297.5790	7.1198	0.0327	22.5945
6	7321	9/20/2007	ND	0.1079	ND	149.1973	203.7355	ND	ND	ND	0.0056	ND	ND	131.3170	11.1835	0.0682	63.0532
7	7322	9/20/2007	ND	0.0199	ND	52.3587	ND	ND	ND	0.0019	0.0077	ND	ND	261.2130	1.9186	ND	23.8351
8	7323	9/21/2007	ND	0.9643	ND	89.8709	713.4880	0.0003	ND	0.0028	0.0064	ND	0.1039	584.0480	40.1047	0.4746	32.1763
9	7324	9/20/2007	ND	0.0783	ND	71.7028	84.2017	ND	ND	0.0008	0.0061	ND	0.0490	257.8910	14.5553	0.0607	36.1293
10	7325	9/20/2007	ND	0.0920	ND	60.6848	30.8426	ND	ND	0.0009	0.0210	ND	ND	283.5750	9.8054	0.0485	27.3914
11	7366	10/25/2007	ND	0.1365	ND	210.5069	197.4688	0.0004	ND	0.0027	0.0174	ND	ND	511.7240	3.5188	0.0369	57.1865
Test Count that Exceeded Standard			0	1	0	0	4	0	0	0	0	0	0	11	0	0	0

ND - Not Detected

Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
1	7070	5/23/2007	0.0006	0.0030	40.4908	0.0011	ND	ND	0.8000	ND	673.0000	0.0028	0.0281
2	7125	6/5/2007	0.1799	0.0031	14.8980	ND	ND	ND	0.3000	ND	414.0000	ND	0.0127
3	7126	6/5/2007	0.0118	0.0016	16.3161	0.0007	ND	ND	0.4000	ND	383.0000	0.0020	0.0058
4	7127	6/5/2007	0.0373	0.0017	32.9472	0.0007	ND	ND	0.7000	ND	509.0000	0.0031	0.0049
5	7128	6/5/2007	0.0271	0.0020	54.3083	ND	ND	ND	2.0000	ND	276.0000	ND	0.0044
6	7321	9/20/2007	0.0381	ND	80.3498	0.0010	ND	ND	1.4000	0.0071	882.0000	0.0064	0.0160
7	7322	9/20/2007	0.0057	0.0007	5.5958	0.0007	ND	ND	0.2000	ND	248.0000	ND	0.4087
8	7323	9/21/2007	0.0534	0.0017	673.8430	0.0010	ND	ND	15.5000	ND	2046.0000	0.0043	0.0066
9	7324	9/20/2007	0.0042	0.0014	24.7303	ND	ND	ND	0.6000	ND	433.0000	0.0025	0.0133
10	7325	9/20/2007	0.0364	0.0008	30.2056	ND	ND	ND	0.8000	ND	372.0000	0.0035	0.0060
11	7366	10/25/2007	0.0129	0.0011	152.2775	0.0050	ND	ND	2.4000	ND	1066.0000	0.0020	0.1166
Test Count that Exceeded Standard:			0	0	3	0	0	0	1	0	11	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7070	5/23/2007	ND	0.0036	0.1184	ND	ND	ND	0.0020	0.0214	ND	ND	ND	ND	8.0800	ND	163.8337	673.0000	0.0281
2	7125	6/5/2007	ND	ND	0.0309	ND	ND	ND	ND	0.0030	ND	ND	ND	ND	7.7100	ND	104.2356	414.0000	0.0127
3	7126	6/5/2007	ND	0.0034	0.0668	ND	ND	ND	0.0007	0.0190	ND	ND	14.1634	ND	7.7500	ND	60.2897	383.0000	0.0058
4	7127	6/5/2007	ND	0.0072	0.0750	ND	ND	ND	0.0009	0.0183	ND	ND	10.6948	ND	7.9000	ND	63.4228	509.0000	0.0049
5	7128	6/5/2007	ND	ND	0.1273	ND	ND	ND	0.0006	0.0101	ND	ND	ND	ND	8.1200	ND	ND	276.0000	0.0044
6	7321	9/20/2007	ND	0.0040	0.1079	ND	ND	ND	ND	0.0056	ND	ND	28.4472	ND	7.4200	0.0071	258.0283	882.0000	0.0160
7	7322	9/20/2007	ND	ND	0.0199	ND	ND	ND	0.0019	0.0077	ND	ND	ND	ND	7.7400	ND	ND	248.0000	0.4087
8	7323	9/21/2007	ND	0.0028	0.9643	ND	ND	0.0003	0.0028	0.0064	ND	ND	ND	ND	7.1200	ND	183.5536	2046.0000	0.0066
9	7324	9/20/2007	ND	0.0035	0.0783	ND	ND	ND	0.0008	0.0061	ND	ND	ND	ND	7.5700	ND	45.2456	433.0000	0.0133
10	7325	9/20/2007	ND	0.0041	0.0920	ND	ND	ND	0.0009	0.0210	ND	ND	ND	ND	7.5500	ND	39.8086	372.0000	0.0060
11	7366	10/25/2007	ND	0.0020	0.1365	ND	ND	0.0004	0.0027	0.0174	ND	ND	94.8414	ND	7.3800	ND	87.3426	1066.0000	0.1166
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7070	5/23/2007	0.0036	0.0285	ND	ND	ND	0.0020	0.0214	ND	ND	40.4908	0.0011	ND	ND	ND	163.8337	673.0000
2	7125	6/5/2007	ND	0.2209	ND	ND	ND	ND	0.0030	ND	ND	14.8980	ND	ND	ND	ND	104.2356	414.0000
3	7126	6/5/2007	0.0034	0.1172	ND	ND	ND	0.0007	0.0190	ND	ND	16.3161	0.0007	14.1634	ND	ND	60.2897	383.0000
4	7127	6/5/2007	0.0072	0.1477	ND	ND	ND	0.0009	0.0183	ND	ND	32.9472	0.0007	10.6948	ND	ND	63.4228	509.0000
5	7128	6/5/2007	ND	0.0292	ND	ND	ND	0.0006	0.0101	ND	ND	54.3083	ND	ND	ND	ND	ND	276.0000
6	7321	9/20/2007	0.0040	0.0145	ND	ND	ND	ND	0.0056	ND	ND	80.3498	0.0010	28.4472	ND	0.0071	258.0283	882.0000
7	7322	9/20/2007	ND	0.1173	ND	ND	ND	0.0019	0.0077	ND	ND	5.5958	0.0007	ND	ND	ND	ND	248.0000
8	7323	9/21/2007	0.0028	0.0829	ND	ND	ND	0.0028	0.0064	ND	ND	673.8430	0.0010	ND	ND	ND	183.5536	2046.0000
9	7324	9/20/2007	0.0035	0.1255	ND	ND	ND	0.0008	0.0061	ND	ND	24.7303	ND	ND	ND	ND	45.2456	433.0000
10	7325	9/20/2007	0.0041	0.1075	ND	ND	ND	0.0009	0.0210	ND	ND	30.2056	ND	ND	ND	ND	39.8086	372.0000
11	7366	10/25/2007	0.0020	0.3037	ND	ND	ND	0.0027	0.0174	ND	ND	152.2775	0.0050	94.8414	ND	ND	87.3426	1066.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7070	5/23/2007	ND	ND	30.1436	0.0214	ND	ND	533.0000	0.0006	8.0800	18.8954	163.8337	673.0000	0.0281
2	7125	6/5/2007	ND	ND	14.1423	0.0030	ND	ND	355.9000	0.1799	7.7100	10.5202	104.2356	414.0000	0.0127
3	7126	6/5/2007	ND	ND	22.2668	0.0190	ND	ND	305.0000	0.0118	7.7500	12.4518	60.2897	383.0000	0.0058
4	7127	6/5/2007	ND	ND	48.7151	0.0183	ND	ND	383.7000	0.0373	7.9000	18.9004	63.4228	509.0000	0.0049
5	7128	6/5/2007	ND	ND	21.2624	0.0101	ND	ND	141.9000	0.0271	8.1200	2.3012	ND	276.0000	0.0044
6	7321	9/20/2007	ND	ND	203.7355	0.0056	ND	ND	632.8000	0.0381	7.4200	23.5212	258.0283	882.0000	0.0160
7	7322	9/20/2007	ND	ND	ND	0.0077	ND	ND	229.1000	0.0057	7.7400	11.7785	ND	248.0000	0.4087
8	7323	9/21/2007	ND	ND	713.4880	0.0064	ND	0.1039	357.2000	0.0534	7.1200	24.2861	183.5536	2046.0000	0.0066
9	7324	9/20/2007	ND	ND	84.2017	0.0061	ND	0.0490	328.1000	0.0042	7.5700	29.5566	45.2456	433.0000	0.0133
10	7325	9/20/2007	ND	ND	30.8426	0.0210	ND	ND	264.6000	0.0364	7.5500	29.4069	39.8086	372.0000	0.0060
11	7366	10/25/2007	ND	ND	197.4688	0.0174	ND	ND	761.9000	0.0129	7.3800	9.7795	87.3426	1066.0000	0.1166
Test Count that Exceeded Standard:			0	0	1	0	0	0	11	2	0	0	1	11	0

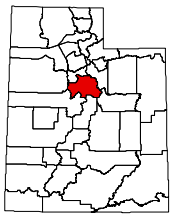
ND - Not Detected

Map 15. Timp/Nebo District

Map Scale 1:205,920 (1 inch = 3.25 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Wasatch District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7289	8/21/2007	POS	ND	50.5 F (10.3 C)	272	168.0	0.400	121.2	Well	Gravel	Well House	Steel	Open	✔	✔					
2	7290	8/21/2007	ND	ND	58.6 F (14.8 C)	513	301.0	0.300	264.5	Well	Vegetated	Gravel	Steel	Sealed	✔	✔					
3	7291	8/21/2007	POS	POS	45.3 F (7.4 C)	110	62.00	0.200	39.50	Well	Vegetated	Pit Soil	Steel	Sealed	✔	✔					
4	7292	8/21/2007	ND	ND	46.9 F (8.3 C)	284	169.0	0.300	133.6	Well	Vegetated	Gravel	Steel	Sealed	✔	✔					
5	7293	8/21/2007	ND	ND	51.8 F (11.0 C)	222	137.0	0.200	109.0	Well	Gravel	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**2**	**1**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7289	8/24/2007	ND	0.0290	ND	37.1082	ND	ND	ND	ND	0.0041	ND	0.0318	162.6100	2.5838	0.0040	6.9088
2	7290	8/24/2007	ND	0.0315	ND	71.7800	29.0543	ND	ND	ND	0.0316	ND	ND	263.7830	0.9181	0.0067	20.6475
3	7291	8/24/2007	ND	0.0092	ND	11.3541	ND	ND	ND	ND	0.0104	ND	0.0222	50.1147	ND	ND	2.6958
4	7292	8/24/2007	ND	0.0077	ND	36.7552	ND	ND	ND	ND	0.0067	ND	0.2054	151.9410	0.6215	ND	10.1161
5	7293	8/24/2007	ND	0.0075	ND	30.4674	ND	ND	ND	ND	0.0163	ND	ND	121.9310	0.7097	ND	7.9661
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7289	8/24/2007	0.1833	ND	9.7334	0.0007	ND	ND	0.4000	ND	168.0000	ND	0.0087
2	7290	8/24/2007	0.0018	ND	12.3496	ND	ND	ND	0.3000	ND	301.0000	ND	0.2951
3	7291	8/24/2007	0.0069	ND	3.2413	ND	ND	ND	0.2000	ND	62.0000	ND	0.0154
4	7292	8/24/2007	0.0446	0.0113	8.5458	ND	ND	ND	0.3000	ND	169.0000	ND	0.0307
5	7293	8/24/2007	0.0079	0.0049	5.4411	ND	ND	ND	0.2000	ND	137.0000	ND	0.0262
Test Count that Exceeded Standard:			0	1	0	0	0	0	0	0	3	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7289	8/24/2007	ND	ND	0.0290	ND	ND	ND	ND	0.0041	ND	ND	ND	ND	6.9500	ND	ND	168.0000	0.0087
2	7290	8/24/2007	ND	ND	0.0315	ND	ND	ND	ND	0.0316	ND	ND	12.2173	ND	7.2700	ND	ND	301.0000	0.2951
3	7291	8/24/2007	ND	ND	0.0092	ND	ND	ND	ND	0.0104	ND	ND	ND	ND	6.5000	ND	ND	62.0000	0.0154
4	7292	8/24/2007	ND	ND	0.0077	ND	ND	ND	ND	0.0067	ND	ND	ND	ND	7.6600	ND	ND	169.0000	0.0307
5	7293	8/24/2007	ND	ND	0.0075	ND	ND	ND	ND	0.0163	ND	ND	ND	ND	7.5700	ND	ND	137.0000	0.0262
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

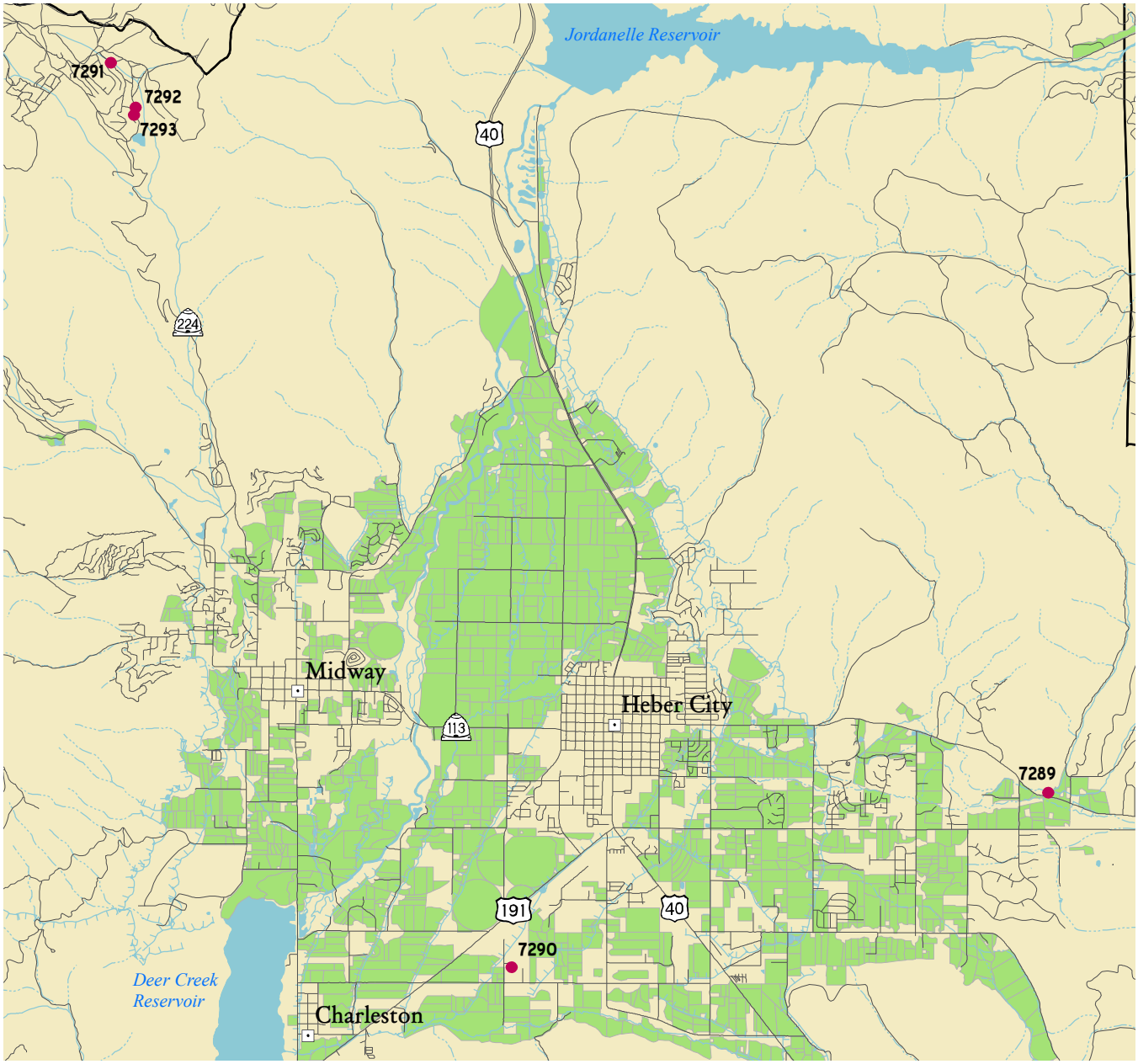
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7289	8/24/2007	ND	0.1335	ND	ND	ND	ND	0.0041	ND	ND	9.7334	0.0007	ND	ND	ND	ND	168.0000
2	7290	8/24/2007	ND	0.1110	ND	ND	ND	ND	0.0316	ND	ND	12.3496	ND	12.2173	ND	ND	ND	301.0000
3	7291	8/24/2007	ND	0.0349	ND	ND	ND	ND	0.0104	ND	ND	3.2413	ND	ND	ND	ND	ND	62.0000
4	7292	8/24/2007	ND	0.0361	ND	ND	ND	ND	0.0067	ND	ND	8.5458	ND	ND	ND	ND	ND	169.0000
5	7293	8/24/2007	ND	0.0529	ND	ND	ND	ND	0.0163	ND	ND	5.4411	ND	ND	ND	ND	ND	137.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7289	8/24/2007	ND	ND	ND	0.0041	ND	0.0318	121.2000	0.1833	6.9500	18.9271	ND	168.0000	0.0087
2	7290	8/24/2007	ND	ND	29.0543	0.0316	ND	ND	264.5000	0.0018	7.2700	7.2838	ND	301.0000	0.2951
3	7291	8/24/2007	ND	ND	ND	0.0104	ND	0.0222	39.5000	0.0069	6.5000	8.4199	ND	62.0000	0.0154
4	7292	8/24/2007	ND	ND	ND	0.0067	ND	0.2054	133.6000	0.0446	7.6600	9.7808	ND	169.0000	0.0307
5	7293	8/24/2007	ND	ND	ND	0.0163	ND	ND	109.0000	0.0079	7.5700	8.1932	ND	137.0000	0.0262
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	1	1	0	0	1	0

ND - Not Detected

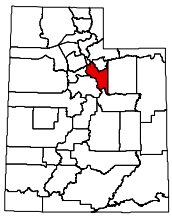
Map 16. Wasatch District



Map Scale 1:100,000 (1 inch = 1.6 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 4 (Juab, Millard, and Wayne counties, most of Piute, Sanpete and Sevier counties, and a small part of Garfield County)

One hundred and fourteen (114) sites were sampled in the seven (7) Soil Conservation Districts in Zone 4 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: one (1) in Delta. six (6) in Fremont River, fifty-one (51) in Juab, thirty-three (33) in Millard, four (4) in Piute, eighteen (18) in Sanpete County, and one (1) in Sevier County districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 4. The next four columns summarize the number of tests which exceed the standards for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 4 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Delta	1	40	1	2	4	1
Fremont River	6	240	2	16	21	5
Juab	51	2040	5	111	144	17
Millard	33	1320	7	74	109	13
Piute Co.	4	160	0	6	8	0
Sanpete Co.	18	720	9	43	84	17
Sevier Co.	1	40	1	2	4	0
Zone Totals:	**114**	**4560**	**25**	**254**	**374**	**53**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the Water quality for agriculture 29 Revision 1, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Delta District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7212	7/18/2007	ND	ND	67.1 F (19.5 C)	507	338.0	12.70	20.60	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

Sample No	Tested Date	Al mg/L (5)	B mg/L (0.5;1.0;2.0;)	Be mg/L (.1)	Ca mg/L (100000)	Cl mg/L (71;355)	Co mg/L (1)	CO3 mg/L (1000)	Cr mg/L (1)	Cu mg/L (0.2)	F mg/L (2)	Fe mg/L (5)	HCO3 mg/L (73.2;152.5)	K mg/L (10000)	Li mg/L (2.5)	Mg mg/L (100000)
1	7212	7/20/2007	ND	0.1761	ND	4.3080	31.7510	ND	28.4397	0.0019	0.0022	ND	0.0473	187.7830	2.6637	0.0474	2.3855
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues

Sample No	Tested Date	Mn mg/L (.2)	Mo mg/L (.01)	Na mg/L (70;230)	Ni mg/L (.2)	Pb mg/L (5)	PO4 mg/L (10000)	SAR meq/L (3;9)	Se mg/L (.02)	TDS mg/L (151;451;13)	V mg/L (.1)	Zn mg/L (2)
1	7212	7/20/2007	0.0029	0.0035	132.9558	ND	ND	ND	12.7000	ND	338.0000	ND	ND
Test Count that Exceeded Standard:			0	0	1	0	0	0	1	0	1	0	0

ND - Not Detected

Livestock:

Livestock Standards

Sample No	Tested Date	Al mg/L (5)	As mg/L (0.2)	B mg/L (5)	Be mg/L (.1)	Cd mg/L (0.05)	Co mg/L (1)	Cr mg/L (1)	Cu mg/L (.5)	F mg/L (2)	Hg ug/L (10)	NO3 mg/L (440)	Pb mg/L (.1)	pH - (5.5-8.3)	Se mg/L (.05)	SO4 mg/L (167;333)	TDS mg/L (1000;3000;)	Zn mg/L (25)
1	7212	7/20/2007	ND	0.0587	0.1761	ND	ND	ND	0.0019	0.0022	ND	ND	ND	ND	8.7200	ND	ND	338.0000	ND
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards

Sample No	Tested Date	As mg/L (0.01)	Ba mg/L (2)	Be mg/L (0.004)	Cd mg/L (0.005)	ClO4 ug/L (25)	Cr mg/L (0.1)	Cu mg/L (1.3)	F mg/L (4)	Hg ug/L (2)	Na mg/L (10000)	Ni mg/L (1000)	NO3 mg/L (44.3)	Pb mg/L (.015)	Se mg/L (.05)	SO4 mg/L (500)	TDS mg/L (2000)
1	7212	7/20/2007	0.0587	0.0237	ND	ND	ND	0.0019	0.0022	ND	ND	132.9558	ND	ND	ND	ND	ND	338.0000
Test Count that Exceeded Standard			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

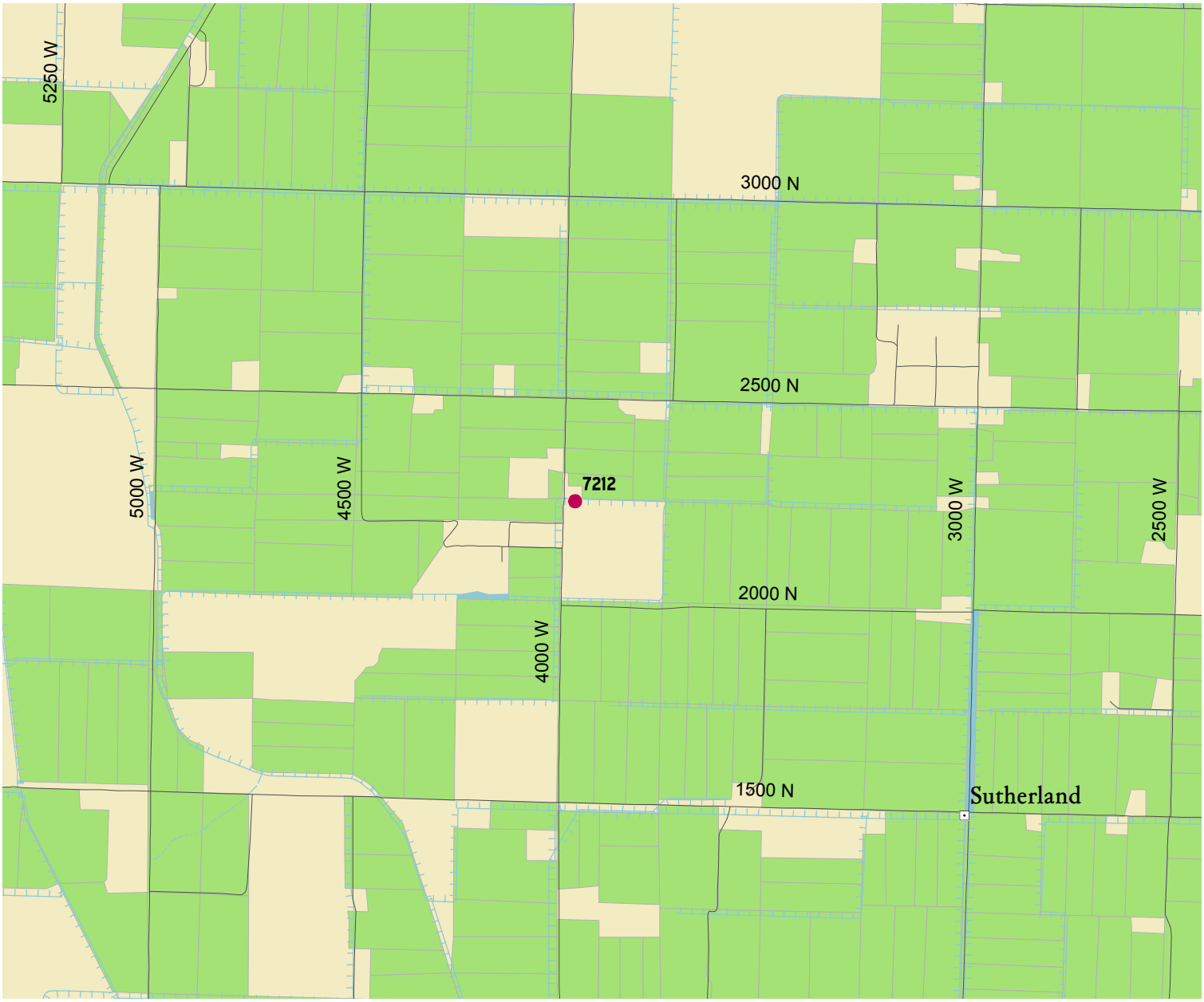
ND - Not Detected

Drinking Water Secondary Standards:

Sample No	Tested Date	Ag mg/L (0.1)	Al mg/L (0.5)	Cl mg/L (250)	Cu mg/L (1)	F mg/L (2)	Fe mg/L (0.3)	Hardness (60;120;180)	Mn mg/L (.05)	pH - (6.5-8.5)	Si mg/L (1000)	SO4 mg/L (250)	TDS mg/L (200)	Zn mg/L (5)
1	7212	7/20/2007	ND	ND	31.7510	0.0022	ND	0.0473	20.6000	0.0029	8.7200	11.9532	ND	338.0000	ND
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	1	0	0	1	0

ND - Not Detected

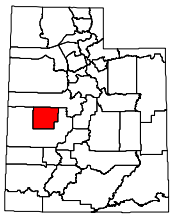
Map 17. Delta District



Map Scale 1:24,000 (1 inch = 0.38 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Fremont River District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7157	6/27/2007	ND	ND	53.4 F (11.9 C)	1825	1804.	1.800	1304.	Well	Clean	Soil	Steel	Sealed	✔	✔					
2	7158	6/27/2007	POS	ND	62.6 F (17.0 C)	849	553.0	0.700	470.1	Well	Vegetated	Lawn	PVC	Open	✔	✔					
3	7349	10/17/2007	ND	ND	61.9 F (16.6 C)	653	407.0	6.800	71.80	Well	Gravel	Pit Masonry	Steel	Sealed	✔	✔					
4	7350	10/17/2007	ND	ND	53.8 F (12.1 C)	1974	1469.	5.400	491.5	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
5	7351	10/17/2007	ND	ND	55.6 F (13.1 C)	698	436.0	0.500	357.9	Well	Vegetated	Gravel	PVC	Sealed	✔	✔					
6	7352	10/17/2007	POS	POS	48.2 F (9.0 C)	525	312.0	0.500	252.2	Ditch	Vegetated	Lawn	PVC	Sealed		✔					
Bacteria Positive Sample Count			2	1																	

ND - Not Detected

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7157	7/2/2007	ND	0.2299	ND	310.1508	255.9053	0.0003	ND	0.0016	0.0148	ND	ND	276.4650	10.4904	0.0550	128.3256
2	7158	7/2/2007	ND	0.1913	ND	69.3749	20.3530	ND	ND	0.0036	0.0454	ND	ND	428.4460	9.7891	0.0151	71.9989
3	7349	10/22/2007	ND	0.1529	ND	17.5957	ND	ND	ND	ND	0.0136	ND	0.0197	254.1370	1.8938	0.0401	6.7474
4	7350	10/23/2007	ND	0.8298	ND	84.6647	31.2437	ND	ND	ND	0.0527	3.3566	ND	595.9880	126.6965	0.8149	67.9248
5	7351	10/22/2007	ND	0.1028	ND	91.3026	16.5711	ND	ND	ND	0.0170	ND	ND	254.2490	4.0094	0.0058	31.4552
6	7352	10/19/2007	ND	0.0597	ND	68.0071	ND	ND	ND	0.0011	0.0213	ND	0.0106	194.6560	4.3293	0.0091	19.9584
Test Count that Exceeded Standard			0	1	0	0	1	0	0	0	0	1	0	6	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7157	7/2/2007	0.0008	0.0010	145.4213	0.0022	ND	ND	1.8000	0.0040	1804.0000	0.0023	0.0267
2	7158	7/2/2007	0.0009	0.0033	35.3051	0.0007	ND	ND	0.7000	ND	553.0000	0.0083	0.0559
3	7349	10/22/2007	0.0019	0.0318	132.5708	ND	ND	ND	6.8000	ND	407.0000	ND	0.0151
4	7350	10/23/2007	0.0224	0.0023	277.2467	0.0023	ND	ND	5.4000	ND	1469.0000	ND	0.0185
5	7351	10/22/2007	0.0004	0.0007	23.4428	ND	ND	ND	0.5000	ND	436.0000	0.0028	0.0093
6	7352	10/19/2007	0.0142	0.0005	16.8381	ND	ND	ND	0.5000	ND	312.0000	0.0028	0.0028
Test Count that Exceeded Standard:			0	1	3	0	0	0	2	0	6	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7157	7/2/2007	ND	0.0020	0.2299	ND	ND	0.0003	0.0016	0.0148	ND	ND	20.0970	ND	7.6300	0.0040	781.9632	1804.0000	0.0267
2	7158	7/2/2007	ND	0.0087	0.1913	ND	ND	ND	0.0036	0.0454	ND	ND	ND	ND	7.6600	ND	113.7919	553.0000	0.0559
3	7349	10/22/2007	ND	0.0090	0.1529	ND	ND	ND	ND	0.0136	ND	ND	ND	ND	7.9400	ND	114.8495	407.0000	0.0151
4	7350	10/23/2007	ND	ND	0.8298	ND	ND	ND	ND	0.0527	3.3566	ND	ND	ND	7.1200	ND	582.2009	1469.0000	0.0185
5	7351	10/22/2007	ND	0.0021	0.1028	ND	ND	ND	ND	0.0170	ND	ND	ND	ND	7.4700	ND	124.6039	436.0000	0.0093
6	7352	10/19/2007	ND	0.0039	0.0597	ND	ND	ND	0.0011	0.0213	ND	ND	ND	ND	8.0300	ND	82.3272	312.0000	0.0028
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	0

ND - Not Detected

Culinary:

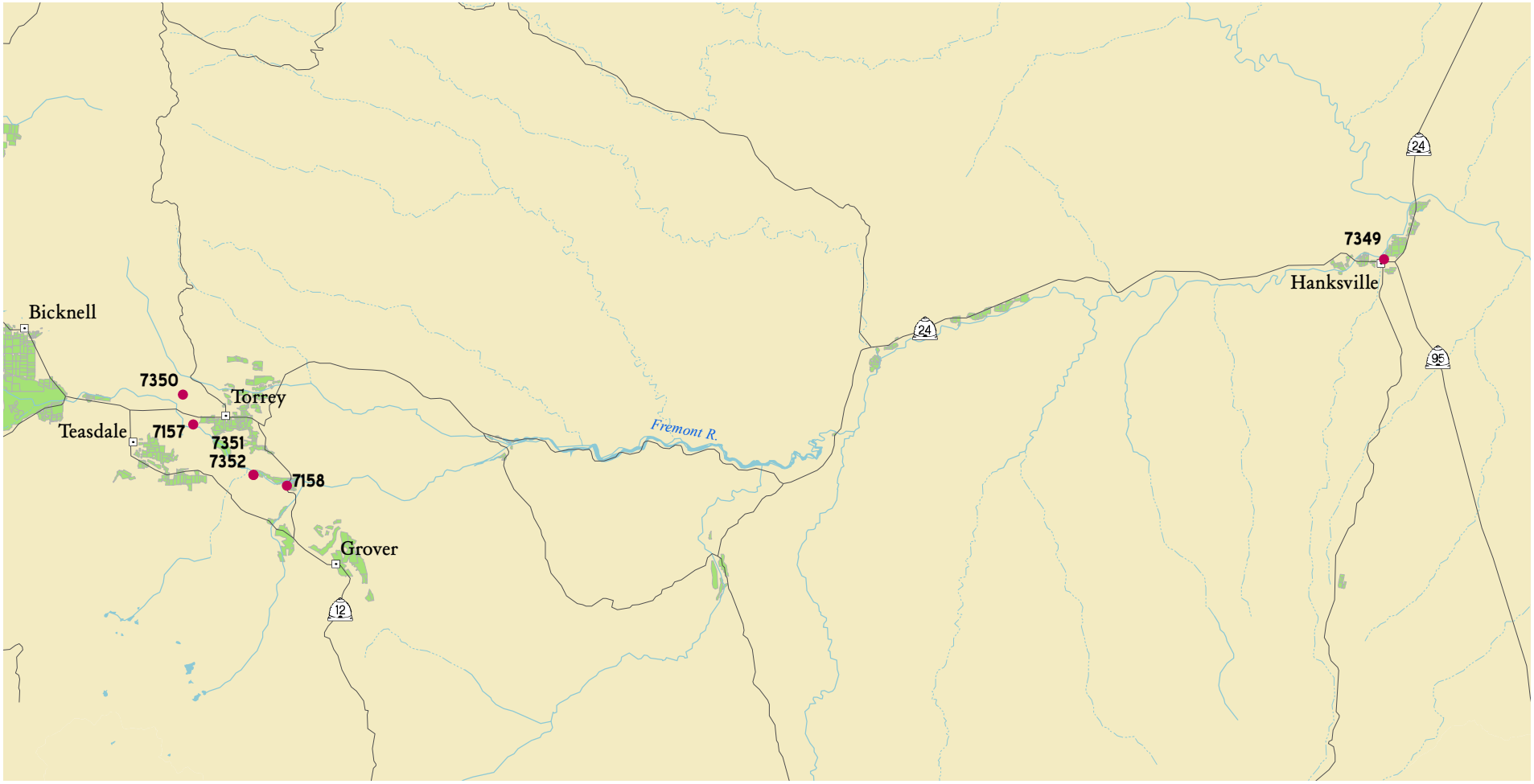
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7157	7/2/2007	0.0020	0.0204	ND	ND	ND	0.0016	0.0148	ND	ND	145.4213	0.0022	20.0970	ND	0.0040	781.9632	1804.0000
2	7158	7/2/2007	0.0087	0.0335	ND	ND	ND	0.0036	0.0454	ND	ND	35.3051	0.0007	ND	ND	ND	113.7919	553.0000
3	7349	10/22/2007	0.0090	0.0132	ND	ND	ND	ND	0.0136	ND	ND	132.5708	ND	ND	ND	ND	114.8495	407.0000
4	7350	10/23/2007	ND	0.0114	ND	ND	ND	ND	0.0527	3.3566	ND	277.2467	0.0023	ND	ND	ND	582.2009	1469.0000
5	7351	10/22/2007	0.0021	0.0852	ND	ND	ND	ND	0.0170	ND	ND	23.4428	ND	ND	ND	ND	124.6039	436.0000
6	7352	10/19/2007	0.0039	0.0185	ND	ND	ND	0.0011	0.0213	ND	ND	16.8381	ND	ND	ND	ND	82.3272	312.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7157	7/2/2007	ND	ND	255.9053	0.0148	ND	ND	1304.1000	0.0008	7.6300	15.2319	781.9632	1804.0000	0.0267
2	7158	7/2/2007	ND	ND	20.3530	0.0454	ND	ND	470.1000	0.0009	7.6600	16.4400	113.7919	553.0000	0.0559
3	7349	10/22/2007	ND	ND	ND	0.0136	ND	0.0197	71.8000	0.0019	7.9400	6.3592	114.8495	407.0000	0.0151
4	7350	10/23/2007	ND	ND	31.2437	0.0527	3.3566	ND	491.5000	0.0224	7.1200	3.1795	582.2009	1469.0000	0.0185
5	7351	10/22/2007	ND	ND	16.5711	0.0170	ND	ND	357.9000	0.0004	7.4700	16.0703	124.6039	436.0000	0.0093
6	7352	10/19/2007	ND	ND	ND	0.0213	ND	0.0106	252.2000	0.0142	8.0300	13.3813	82.3272	312.0000	0.0028
Test Count that Exceeded Standard:			0	0	1	0	1	0	6	0	0	0	2	6	0

ND - Not Detected

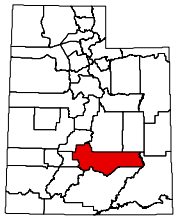
Map 18. Fremont River District



Map Scale 1:325,000 (1 inch = 5.1 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Juab District

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7031	4/18/2007	POS	ND	52.2 F (11.2 C)	286	166.0	0.200	141.4	Spring	Surface Water	Natural	Earth	Open		✔			✔		
2	7032	4/18/2007	POS	POS	47.3 F (8.5 C)	326	199.0	0.600	134.5	Spring	Livestock	Soil	PVC	Open					✔		
3	7033	4/18/2007	POS	ND	42.3 F (5.7 C)	209	125.0	0.300	97.40	Spring	Livestock	Soil	PVC	Sealed					✔		
4	7034	4/18/2007	ND	ND	42.3 F (5.7 C)	492	275.0	0.100	267.4	Spring	Livestock	Natural	Earth	Open					✔		
5	7035	4/18/2007	POS	ND	45.5 F (7.5 C)	410	239.0	0.100	218.3	Spring	Livestock	Natural	Earth	Open					✔		
6	7052	4/25/2007	ND	ND	53.1 F (11.7 C)	556	275.0	1.200	161.1	Well	Gravel	Pit Concrete	Steel	Sealed	✔	✔					
7	7071	5/15/2007	ND	ND	55.4 F (13.0 C)	736	413.0	1.000	307.5	Well	Clean	Lawn	Steel	Sealed	✔	✔					
8	7072	5/15/2007	ND	ND	59.7 F (15.4 C)	4500	2277.	8.700	800.6	Well	Livestock	Well House	Steel	Sealed	✔	✔					
9	7073	5/15/2007	ND	ND	55.2 F (12.9 C)	581	335.0	1.100	230.6	Well	Clean	Lawn	Steel	Sealed	✔	✔					
10	7074	5/15/2007	ND	ND	55.6 F (13.1 C)	1663	1008.	1.200	792.2	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
11	7075	5/15/2007	ND	ND	56.5 F (13.6 C)	653	385.0	1.200	259.5	Well	Clean	Covered	Steel	Sealed	✔	✔					
12	7076	5/15/2007	POS	ND	52.5 F (11.4 C)	1043	630.0	2.800	339.8	Spring	Clay Soil	Covered	PVC	Open	✔	✔					
13	7106	5/23/2007	ND	ND	56.5 F (13.6 C)	1370	965.0	3.600	505.7	Well	Vegetated	Inside Shed	Steel	Sealed	✔	✔					
14	7107	5/23/2007	ND	ND	58.3 F (14.6 C)	525	286.0	2.700	107.8	Well	Vegetated	Well House	Steel	Sealed	✔	✔					
15	7108	5/23/2007	POS	POS	58.6 F (14.8 C)	594	344.0	2.900	139.0	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
16	7110	5/23/2007	ND	ND	61.5 F (16.4 C)	442	245.0	1.400	128.9	Well	Clay Soil	Soil	Steel	Sealed		✔					
17	7111	5/23/2007	ND	ND	64.4 F (18.0 C)	403	228.0	1.400	120.1	Well	Cobble	Soil	Steel	Sealed		✔					
18	7112	5/23/2007	ND	ND	57.0 F (13.9 C)	757	478.0	1.300	327.0	Well	Gravel	Inside Garage	Steel	Open	✔	✔					
19	7113	5/23/2007	POS	ND	60.3 F (15.7 C)	534	264.0	2.400	101.8	Well	Cobble	Concrete Pad	Steel	Sealed		✔					
20	7114	5/23/2007	ND	ND	59.4 F (15.2 C)	689	434.0	1.100	303.0	Well	Gravel	Well House	Steel	Sealed	✔	✔					
21	7115	5/23/2007	POS	ND	59.4 F (15.2 C)	375	223.0	1.200	125.1	Well	Loam	Concrete Pad	Steel	Sealed		✔					
22	7116	5/23/2007	ND	ND	62.8 F (17.1 C)	389	215.0	1.600	101.8	Well	Clay Soil	Concrete Pad	Steel	Sealed		✔					
23	7117	5/23/2007	ND	ND	59.7 F (15.4 C)	574	319.0	1.600	170.6	Well	Gravel	Soil	Steel	Sealed	✔	✔					
24	7118	5/23/2007	ND	ND	63.0 F (17.2 C)	836	510.0	3.700	180.4	Well	Clay Soil	Concrete Pad	Steel	Sealed		✔					
25	7119	5/23/2007	POS	ND	59.9 F (15.5 C)	1493	1075.	8.700	243.0	Well	Clay Soil	Well House	Steel	Sealed	✔	✔					
26	7120	5/23/2007	POS	ND	61.3 F (16.3 C)	447	232.0	1.700	109.9	Well	Clay Soil	Soil	Steel	Sealed		✔					
27	7129	6/13/2007	ND	ND	61.5 F (16.4 C)	395	223.0	1.000	137.2	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
28	7130	6/13/2007	ND	ND	63.5 F (17.5 C)	536	314.0	0.700	239.2	Well	Surface Water	Well House	Steel	Open	✔	✔					
29	7131	6/13/2007	POS	POS	59.0 F (15.0 C)	558	335.0	0.600	272.6	Well	Livestock	Well House	Steel	Open	✔	✔					
30	7132	6/13/2007	ND	ND	59.2 F (15.1 C)	606	374.0	1.500	240.7	Well	Clean	Pit Concrete	Steel	Sealed	✔	✔					
31	7133	6/13/2007	POS	ND	67.6 F (19.8 C)	345	203.0	5.300	27.90	Well	Clean	Soil	Steel	Sealed	✔	✔					
32	7134	6/13/2007	ND	ND	61.9 F (16.6 C)	380	200.0	1.000	124.8	Well	Clean	Soil	Steel	Sealed	✔	✔					
33	7135	6/13/2007	ND	ND	62.2 F (16.8 C)	3440	1724.	10.50	380.2	Well	Clay Soil	Covered	Steel	Sealed	✔	✔					
34	7136	6/13/2007	POS	POS	61.2 F (16.2 C)	248	133.0	0.600	79.60	Well	Livestock	Soil	Steel	Open	✔	✔					
35	7137	6/13/2007	POS	POS	59.2 F (15.1 C)	625	391.0	0.800	294.0	Well	Surface Water	Well House	Steel	Open	✔	✔					

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperatura	EC				Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
36	7138	6/13/2007	ND	ND	58.1 F (14.5 C)	587	355.0	2.100	176.1	Well	Clean	Soil	Steel	Sealed		✔					
37	7139	6/13/2007	ND	ND	57.9 F (14.4 C)	1018	601.0	2.600	332.0	Well	Clean	Lawn	Steel	Sealed	✔	✔					
38	7140	6/13/2007	ND	ND	62.8 F (17.1 C)	945	538.0	2.500	303.4	Well	Clean	Well House	Steel	Open		✔					
39	7141	6/13/2007	POS	ND	60.8 F (16.0 C)	1083	650.0	1.800	428.0	Well	Clean	Covered	Steel	Sealed	✔	✔					
40	7142	6/13/2007	ND	ND	60.1 F (15.6 C)	698	395.0	1.600	249.6	Well	Clean	Pit Concrete	Steel	Sealed	✔	✔					
41	7143	6/13/2007	ND	ND	56.7 F (13.7 C)	784	463.0	2.100	256.6	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
42	7144	6/13/2007	ND	ND	57.6 F (14.2 C)	1400	885.0	2.300	542.0	Well	Clean	Soil	Steel	Subsidence	✔	✔					
43	7145	6/13/2007	ND	ND	58.8 F (14.9 C)	760	436.0	1.800	257.1	Well	Clean	Well House	Steel	Sealed	✔	✔					
44	7146	6/13/2007	POS	ND	54.7 F (12.6 C)	540	325.0	1.500	189.1	Flowing Well	Clean	Natural	Steel	Sealed	✔	✔					
45	7147	6/13/2007	POS	ND	55.2 F (12.9 C)	551	326.0	1.600	188.1	Flowing Well	Vegetated	Natural	Steel	Sealed		✔					
46	7315	9/18/2007	ND	ND	61.9 F (16.6 C)	1299	1088.	1.100	796.0	Well	Clean	Gravel	Steel	Sealed	✔	✔					
47	7316	9/18/2007	POS	POS	72.7 F (22.6 C)	1349	1106.	0.700	989.5	Spring	Vegetated	Covered	Steel	Sealed	✔	✔					
48	7317	9/18/2007	ND	ND	57.6 F (14.2 C)	1091	802.0	0.900	631.0	Well	Livestock	Soil	Steel	Sealed	✔	✔					
49	7318	9/18/2007	ND	ND	56.3 F (13.5 C)	1961	1785.	2.100	1330.	Well	Clean	Soil	Steel	Sealed	✔	✔					
50	7319	9/18/2007	ND	ND	55.6 F (13.1 C)	889	616.0	0.700	503.0	Well	Clean	Well House	Steel	Sealed	✔	✔					
51	7320	9/18/2007	ND	ND	54.9 F (12.7 C)	959	632.0	0.800	511.9	Well	Livestock	Pit Concrete	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**18**	**6**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7031	4/24/2007	ND	0.0205	ND	41.9872	ND	ND	ND	ND	0.0100	ND	0.0120	174.0250	0.7158	ND	8.8416
2	7032	4/24/2007	ND	0.0494	ND	38.2880	16.9814	ND	ND	ND	0.0098	ND	0.0556	175.5760	2.4099	0.0088	9.4022
3	7033	4/24/2007	0.2214	0.0188	ND	30.9301	ND	ND	ND	ND	0.0083	ND	0.1250	122.0620	0.4484	ND	4.8733
4	7034	4/24/2007	ND	0.0220	ND	56.5967	ND	ND	ND	0.0007	0.0085	ND	ND	317.1800	0.4995	ND	30.5720
5	7035	4/24/2007	ND	0.0283	ND	60.8862	ND	ND	ND	0.0006	0.0085	ND	ND	257.4930	0.7629	ND	16.0513
6	7052	5/2/2007	ND	0.0568	ND	48.9039	89.2891	ND	ND	ND	0.0295	ND	ND	131.5700	1.3701	0.0087	9.4345
7	7071	5/23/2007	ND	0.0682	ND	65.9748	47.7200	ND	ND	0.0020	0.0070	ND	ND	326.8540	1.8704	0.0114	34.6046
8	7072	5/23/2007	ND	0.0882	ND	154.9168	808.5161	ND	ND	0.0016	0.0132	ND	ND	237.3720	16.2027	0.0787	100.3196
9	7073	5/23/2007	ND	0.0415	ND	50.2763	49.7767	ND	ND	0.0022	0.0049	ND	ND	245.3950	2.3395	0.0166	25.4717
10	7074	5/23/2007	ND	0.0443	ND	187.7457	430.3056	ND	ND	0.0030	0.0049	ND	0.0147	179.5520	3.2811	0.0183	78.3657
11	7075	5/23/2007	ND	0.0727	ND	57.5169	61.8125	ND	ND	0.0010	0.0083	ND	ND	254.9970	3.2969	0.0187	28.0915
12	7076	5/23/2007	ND	0.0794	ND	80.4104	88.6903	ND	ND	0.0019	0.0107	ND	ND	414.4490	2.8779	0.0161	33.6741
13	7106	5/25/2007	ND	0.2474	ND	136.6893	171.8930	ND	ND	0.0011	0.0142	ND	ND	631.3650	8.0919	0.0771	39.7922
14	7107	5/25/2007	ND	0.0573	ND	22.9315	72.4116	ND	ND	0.0007	0.0033	ND	0.0172	152.1840	5.5670	0.0389	12.2603
15	7108	5/25/2007	ND	0.1007	ND	37.7192	66.3973	ND	ND	ND	0.0090	ND	0.0112	223.6140	3.0380	0.0218	10.8448
16	7110	5/25/2007	ND	0.0495	ND	35.9403	67.2440	ND	ND	0.0006	0.0015	ND	ND	105.8600	2.0221	0.0168	9.4794
17	7111	5/25/2007	ND	0.0404	ND	35.5835	63.5317	ND	ND	ND	0.0042	ND	ND	106.5360	1.6008	0.0063	7.5644
18	7112	5/25/2007	ND	0.0760	ND	87.4212	47.6471	ND	ND	0.0018	0.0128	ND	0.0172	419.5730	4.3572	0.0352	26.3174
19	7113	5/25/2007	ND	0.0422	ND	25.4607	44.4595	ND	ND	0.0015	0.0059	ND	ND	182.4750	3.6891	0.0416	9.2492
20	7114	5/25/2007	ND	0.0723	ND	91.7820	44.6186	ND	ND	0.0013	0.0064	ND	ND	335.0330	2.3475	0.0226	17.8468
21	7115	5/25/2007	ND	0.0395	ND	36.3033	33.9441	ND	ND	0.0014	0.0029	ND	ND	176.7260	1.7634	0.0120	8.3457
22	7116	5/25/2007	ND	0.0360	ND	25.9805	56.1601	ND	ND	0.0007	0.0045	ND	ND	111.4200	2.2852	0.0115	8.9540
23	7117	5/25/2007	ND	0.0434	ND	46.9208	99.5462	ND	ND	ND	0.0016	ND	ND	112.8270	2.3642	0.0210	12.9356
24	7118	5/25/2007	ND	0.1746	ND	49.4100	149.9395	ND	ND	0.0007	0.0060	ND	ND	178.2810	2.6055	0.0285	13.8162
25	7119	5/25/2007	ND	0.6222	ND	67.4104	284.1310	ND	ND	ND	0.0059	ND	ND	255.2490	4.2712	0.0638	18.0851
26	7120	5/25/2007	ND	0.0495	ND	25.7387	61.5127	ND	ND	0.0011	ND	ND	ND	111.9010	3.5526	0.0214	11.0662
27	7129	6/15/2007	ND	0.0362	ND	37.4819	52.5817	ND	ND	0.0011	0.0057	ND	ND	127.0210	2.7227	0.0238	10.5560
28	7130	6/15/2007	ND	0.0307	ND	63.7998	55.7626	ND	ND	0.0022	0.0022	ND	ND	219.9070	4.5708	0.0331	19.3526
29	7131	6/15/2007	ND	0.0311	ND	86.6787	34.4165	ND	ND	0.0033	0.0028	ND	ND	291.5360	2.1253	0.0193	13.5567
30	7132	6/15/2007	ND	0.0742	ND	70.1071	32.0159	ND	ND	0.0038	0.0302	ND	ND	346.3440	2.7655	0.0220	15.8795
31	7133	6/15/2007	ND	0.0401	ND	7.2944	38.4637	ND	9.6125	0.0008	0.0035	ND	0.1158	125.6730	1.3779	0.0152	2.3545
32	7134	6/15/2007	ND	0.0294	ND	34.4597	66.3365	ND	ND	ND	0.0028	ND	ND	84.4735	1.3459	0.0071	9.3756
33	7135	6/18/2007	ND	0.4034	ND	69.2304	574.7438	0.0003	ND	0.0006	0.0015	ND	ND	302.1740	19.7989	0.1167	50.2624
34	7136	6/15/2007	ND	0.0554	ND	25.0381	12.6827	0.0003	ND	ND	0.0154	ND	0.1065	125.9740	6.8197	0.0030	4.1246
35	7137	6/15/2007	ND	0.0331	ND	93.1261	38.5643	ND	ND	0.0006	0.0053	ND	ND	283.9380	1.3666	0.0140	14.8400
36	7138	6/15/2007	ND	0.1473	ND	36.9414	51.1123	ND	ND	0.0014	0.0049	ND	ND	245.2950	3.8301	0.0373	20.3307

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
37	7139	6/15/2007	ND	0.2231	ND	64.7661	140.6998	ND	ND	0.0024	0.0071	ND	ND	293.6380	5.9054	0.0703	41.2774
38	7140	6/15/2007	ND	0.1547	ND	63.3445	153.1622	ND	ND	ND	0.0053	ND	ND	183.6370	4.1709	0.0314	35.1925
39	7141	6/18/2007	ND	0.1440	ND	82.4279	197.8121	ND	ND	0.0010	0.0213	ND	ND	279.3770	4.3705	0.0212	53.8639
40	7142	6/18/2007	ND	0.1258	ND	54.4493	63.1819	ND	ND	ND	0.0110	ND	ND	274.0620	3.2254	0.0174	27.5368
41	7143	6/18/2007	ND	0.1565	ND	49.1830	89.9792	ND	ND	0.0025	0.0077	ND	ND	279.6800	3.9815	0.0268	32.4453
42	7144	6/18/2007	ND	0.1811	ND	106.0408	331.3528	ND	ND	0.0017	0.0083	ND	ND	267.6370	5.4541	0.0369	67.2129
43	7145	6/18/2007	ND	0.1400	ND	52.1809	82.7100	ND	ND	0.0024	0.0099	ND	ND	273.4400	3.3297	0.0203	30.7448
44	7146	6/18/2007	ND	0.1103	ND	40.3109	37.2735	ND	ND	0.0011	0.0207	ND	ND	250.6660	2.8573	0.0160	21.4440
45	7147	6/18/2007	ND	0.1148	ND	39.2126	40.7621	ND	ND	0.0006	0.0138	ND	ND	240.3850	2.9781	0.0173	21.8665
46	7315	9/20/2007	ND	0.1073	ND	180.0350	84.4504	ND	ND	0.0007	0.0192	ND	ND	225.6840	3.6348	0.0271	83.9691
47	7316	9/20/2007	ND	0.1401	ND	128.3999	67.0627	ND	ND	0.0021	0.0237	ND	ND	503.7030	7.2598	0.0673	162.2572
48	7317	9/20/2007	ND	0.0821	ND	154.1181	77.7186	ND	ND	0.0019	0.0176	ND	ND	334.3700	2.2468	0.0164	59.6440
49	7318	9/21/2007	ND	0.0511	ND	292.5356	749.1519	0.0004	ND	0.0020	0.0093	ND	ND	146.5380	3.3857	0.0392	145.5229
50	7319	9/20/2007	ND	0.0825	ND	136.7051	28.5100	ND	ND	0.0011	0.0220	ND	0.0112	314.8210	1.8828	0.0141	39.1473
51	7320	9/20/2007	ND	0.0706	ND	129.1955	44.7438	ND	ND	0.0022	0.0088	ND	ND	311.0710	1.9854	0.0117	45.8589
Test Count that Exceeded Standard			0	1	0	0	19	0	0	0	0	0	0	51	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7031	4/24/2007	0.0003	ND	5.9007	ND	ND	ND	0.2000	ND	166.0000	ND	ND
2	7032	4/24/2007	0.0070	0.0012	17.0732	ND	ND	ND	0.6000	ND	199.0000	ND	ND
3	7033	4/24/2007	0.0013	ND	5.7393	ND	ND	ND	0.3000	ND	125.0000	ND	ND
4	7034	4/24/2007	0.0066	ND	5.1645	ND	ND	ND	0.1000	ND	275.0000	ND	ND
5	7035	4/24/2007	0.0018	ND	4.7275	ND	ND	ND	0.1000	ND	239.0000	ND	ND
6	7052	5/2/2007	0.0030	0.0009	35.5120	ND	ND	ND	1.2000	ND	275.0000	ND	0.1280
7	7071	5/23/2007	0.0024	0.0010	41.3688	ND	ND	ND	1.0000	0.0043	413.0000	ND	0.0469
8	7072	5/23/2007	0.0240	0.0026	565.2061	0.0018	ND	ND	8.7000	ND	2277.0000	ND	0.0390
9	7073	5/23/2007	0.0023	0.0005	38.2066	ND	ND	ND	1.1000	ND	335.0000	0.0047	0.0804
10	7074	5/23/2007	0.0007	ND	78.3520	0.0015	ND	ND	1.2000	0.0082	1008.0000	0.0019	0.0214
11	7075	5/23/2007	0.0049	0.0007	43.5636	ND	ND	ND	1.2000	ND	385.0000	0.0055	0.0097
12	7076	5/23/2007	0.0031	0.0005	120.6443	0.0008	ND	ND	2.8000	ND	630.0000	ND	0.0026
13	7106	5/25/2007	0.0003	0.0012	185.6575	0.0010	ND	ND	3.6000	ND	965.0000	ND	0.0102
14	7107	5/25/2007	0.0064	ND	64.5309	ND	ND	ND	2.7000	ND	286.0000	ND	0.0026
15	7108	5/25/2007	0.0008	0.0009	77.2110	ND	ND	ND	2.9000	ND	344.0000	ND	0.0029
16	7110	5/25/2007	ND	0.0008	37.8254	ND	ND	ND	1.4000	ND	245.0000	ND	0.0461
17	7111	5/25/2007	ND	ND	34.5628	ND	ND	ND	1.4000	ND	228.0000	ND	0.0023
18	7112	5/25/2007	0.0009	ND	55.6561	ND	ND	ND	1.3000	ND	478.0000	ND	0.0402
19	7113	5/25/2007	0.0012	ND	55.7002	ND	ND	ND	2.4000	ND	264.0000	ND	ND
20	7114	5/25/2007	ND	ND	44.1240	ND	ND	ND	1.1000	ND	434.0000	ND	0.0270
21	7115	5/25/2007	0.0004	ND	30.3534	ND	ND	ND	1.2000	ND	223.0000	ND	0.0038
22	7116	5/25/2007	0.0004	ND	37.6102	ND	ND	ND	1.6000	ND	215.0000	ND	0.0027
23	7117	5/25/2007	0.0122	0.0005	47.9203	ND	ND	ND	1.6000	ND	319.0000	ND	0.0574
24	7118	5/25/2007	0.0009	0.0008	113.3027	ND	ND	ND	3.7000	ND	510.0000	ND	0.0068
25	7119	5/25/2007	0.0085	0.0048	313.1090	ND	ND	ND	8.7000	ND	1075.0000	ND	0.0113
26	7120	5/25/2007	ND	ND	41.4169	ND	ND	ND	1.7000	ND	232.0000	ND	ND
27	7129	6/15/2007	0.0010	ND	26.3907	ND	ND	ND	1.0000	ND	223.0000	ND	0.0036
28	7130	6/15/2007	0.0005	ND	24.4805	ND	ND	ND	0.7000	ND	314.0000	ND	0.0151
29	7131	6/15/2007	ND	ND	22.7853	ND	ND	ND	0.6000	ND	335.0000	ND	0.0051
30	7132	6/15/2007	0.0010	ND	53.8863	ND	ND	ND	1.5000	ND	374.0000	ND	0.0144
31	7133	6/15/2007	0.0007	ND	64.2030	ND	ND	ND	5.3000	ND	203.0000	0.0043	0.0066
32	7134	6/15/2007	0.0015	ND	25.1873	ND	ND	ND	1.0000	ND	200.0000	ND	0.0202
33	7135	6/18/2007	0.2574	0.0047	472.1363	ND	ND	ND	10.5000	ND	1724.0000	ND	0.0331
34	7136	6/15/2007	0.0729	0.0011	12.9556	0.0007	ND	ND	0.6000	ND	133.0000	ND	0.0906
35	7137	6/15/2007	0.0010	0.0020	32.1236	ND	ND	ND	0.8000	ND	391.0000	0.0042	0.0036
36	7138	6/15/2007	0.0025	0.0026	63.8412	ND	ND	ND	2.1000	ND	355.0000	0.0036	0.0188

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
37	7139	6/15/2007	0.0007	0.0013	107.0878	ND	ND	ND	2.6000	ND	601.0000	0.0048	0.0031
38	7140	6/15/2007	0.0027	0.0023	98.3571	ND	ND	ND	2.5000	ND	538.0000	ND	0.1086
39	7141	6/18/2007	0.0053	0.0011	83.9132	0.0018	ND	ND	1.8000	ND	650.0000	ND	0.0157
40	7142	6/18/2007	0.0022	0.0011	57.4568	ND	ND	ND	1.6000	ND	395.0000	0.0020	0.0398
41	7143	6/18/2007	ND	0.0018	76.2717	ND	ND	ND	2.1000	ND	463.0000	0.0046	0.0053
42	7144	6/18/2007	0.0006	0.0013	121.3070	ND	ND	ND	2.3000	ND	885.0000	0.0039	0.0100
43	7145	6/18/2007	ND	0.0011	66.9497	ND	ND	ND	1.8000	ND	436.0000	0.0040	0.0079
44	7146	6/18/2007	ND	0.0019	47.1006	ND	ND	ND	1.5000	ND	325.0000	0.0047	0.0050
45	7147	6/18/2007	0.0069	0.0026	49.4953	ND	ND	ND	1.6000	ND	326.0000	0.0039	0.0066
46	7315	9/20/2007	0.0034	0.0022	73.6312	0.0011	ND	ND	1.1000	ND	1088.0000	ND	0.3240
47	7316	9/20/2007	0.0007	0.0114	53.8161	0.0010	ND	ND	0.7000	ND	1106.0000	ND	0.0169
48	7317	9/20/2007	0.0007	ND	53.2142	0.0008	ND	ND	0.9000	ND	802.0000	ND	0.0576
49	7318	9/21/2007	0.0045	ND	171.9478	0.0016	ND	ND	2.1000	0.0260	1785.0000	0.0030	0.2669
50	7319	9/20/2007	0.0055	0.0005	33.9186	0.0013	ND	ND	0.7000	ND	616.0000	ND	0.0314
51	7320	9/20/2007	0.0003	0.0013	42.8279	0.0008	ND	ND	0.8000	0.0082	632.0000	ND	0.0307
Test Count that Exceeded Standard:			1	1	15	0	0	0	6	1	49	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7031	4/24/2007	ND	ND	0.0205	ND	ND	ND	ND	0.0100	ND	ND	ND	ND	7.9000	ND	ND	166.0000	ND
2	7032	4/24/2007	ND	ND	0.0494	ND	ND	ND	ND	0.0098	ND	ND	ND	ND	8.1000	ND	ND	199.0000	ND
3	7033	4/24/2007	0.2214	ND	0.0188	ND	ND	ND	ND	0.0083	ND	ND	ND	ND	7.8100	ND	ND	125.0000	ND
4	7034	4/24/2007	ND	ND	0.0220	ND	ND	ND	0.0007	0.0085	ND	ND	ND	ND	7.8800	ND	ND	275.0000	ND
5	7035	4/24/2007	ND	ND	0.0283	ND	ND	ND	0.0006	0.0085	ND	ND	ND	ND	8.1700	ND	ND	239.0000	ND
6	7052	5/2/2007	ND	ND	0.0568	ND	ND	ND	ND	0.0295	ND	ND	ND	ND	7.4000	ND	ND	275.0000	0.1280
7	7071	5/23/2007	ND	ND	0.0682	ND	ND	ND	0.0020	0.0070	ND	ND	ND	ND	7.9600	0.0043	46.0595	413.0000	0.0469
8	7072	5/23/2007	ND	0.0022	0.0882	ND	ND	ND	0.0016	0.0132	ND	ND	ND	ND	7.8300	ND	502.7023	2277.0000	0.0390
9	7073	5/23/2007	ND	0.0030	0.0415	ND	ND	ND	0.0022	0.0049	ND	ND	ND	ND	8.1000	ND	ND	335.0000	0.0804
10	7074	5/23/2007	ND	ND	0.0443	ND	ND	ND	0.0030	0.0049	ND	ND	56.7563	ND	7.6200	0.0082	77.6341	1008.0000	0.0214
11	7075	5/23/2007	ND	0.0032	0.0727	ND	ND	ND	0.0010	0.0083	ND	ND	ND	ND	8.2800	ND	38.5910	385.0000	0.0097
12	7076	5/23/2007	ND	ND	0.0794	ND	ND	ND	0.0019	0.0107	ND	ND	ND	ND	7.6400	ND	91.6369	630.0000	0.0026
13	7106	5/25/2007	ND	ND	0.2474	ND	ND	ND	0.0011	0.0142	ND	ND	12.3745	ND	8.0200	ND	81.6144	965.0000	0.0102
14	7107	5/25/2007	ND	ND	0.0573	ND	ND	ND	0.0007	0.0033	ND	ND	ND	ND	8.1100	ND	ND	286.0000	0.0026
15	7108	5/25/2007	ND	ND	0.1007	ND	ND	ND	ND	0.0090	ND	ND	ND	ND	7.9600	ND	ND	344.0000	0.0029
16	7110	5/25/2007	ND	ND	0.0495	ND	ND	ND	0.0006	0.0015	ND	ND	ND	ND	7.8100	ND	ND	245.0000	0.0461
17	7111	5/25/2007	ND	ND	0.0404	ND	ND	ND	ND	0.0042	ND	ND	ND	ND	7.5400	ND	ND	228.0000	0.0023
18	7112	5/25/2007	ND	ND	0.0760	ND	ND	ND	0.0018	0.0128	ND	ND	14.7402	ND	8.0200	ND	ND	478.0000	0.0402
19	7113	5/25/2007	ND	ND	0.0422	ND	ND	ND	0.0015	0.0059	ND	ND	ND	ND	8.0000	ND	ND	264.0000	ND
20	7114	5/25/2007	ND	ND	0.0723	ND	ND	ND	0.0013	0.0064	ND	ND	35.2581	ND	7.7100	ND	ND	434.0000	0.0270
21	7115	5/25/2007	ND	ND	0.0395	ND	ND	ND	0.0014	0.0029	ND	ND	ND	ND	7.9500	ND	ND	223.0000	0.0038
22	7116	5/25/2007	ND	ND	0.0360	ND	ND	ND	0.0007	0.0045	ND	ND	ND	ND	7.6600	ND	ND	215.0000	0.0027
23	7117	5/25/2007	ND	ND	0.0434	ND	ND	ND	ND	0.0016	ND	ND	ND	ND	7.7900	ND	40.4646	319.0000	0.0574
24	7118	5/25/2007	ND	ND	0.1746	ND	ND	ND	0.0007	0.0060	ND	ND	ND	ND	7.9400	ND	75.9941	510.0000	0.0068
25	7119	5/25/2007	ND	ND	0.6222	ND	ND	ND	ND	0.0059	ND	ND	ND	ND	8.0500	ND	243.3423	1075.0000	0.0113
26	7120	5/25/2007	ND	ND	0.0495	ND	ND	ND	0.0011	ND	ND	ND	ND	ND	7.7900	ND	ND	232.0000	ND
27	7129	6/15/2007	ND	ND	0.0362	ND	ND	ND	0.0011	0.0057	ND	ND	ND	ND	8.0000	ND	ND	223.0000	0.0036
28	7130	6/15/2007	ND	ND	0.0307	ND	ND	ND	0.0022	0.0022	ND	ND	ND	ND	8.0600	ND	ND	314.0000	0.0151
29	7131	6/15/2007	ND	ND	0.0311	ND	ND	ND	0.0033	0.0028	ND	ND	ND	ND	7.8700	ND	ND	335.0000	0.0051
30	7132	6/15/2007	ND	ND	0.0742	ND	ND	ND	0.0038	0.0302	ND	ND	ND	ND	7.8600	ND	ND	374.0000	0.0144
31	7133	6/15/2007	ND	0.0024	0.0401	ND	ND	ND	0.0008	0.0035	ND	ND	ND	ND	8.5900	ND	ND	203.0000	0.0066
32	7134	6/15/2007	ND	ND	0.0294	ND	ND	ND	ND	0.0028	ND	ND	ND	ND	6.9000	ND	ND	200.0000	0.0202
33	7135	6/18/2007	ND	0.0035	0.4034	ND	ND	0.0003	0.0006	0.0015	ND	ND	ND	ND	8.0000	ND	374.5312	1724.0000	0.0331
34	7136	6/15/2007	ND	ND	0.0554	ND	ND	0.0003	ND	0.0154	ND	ND	ND	ND	7.6900	ND	ND	133.0000	0.0906
35	7137	6/15/2007	ND	0.0048	0.0331	ND	ND	ND	0.0006	0.0053	ND	ND	ND	ND	7.8600	ND	49.4053	391.0000	0.0036
36	7138	6/15/2007	ND	0.0039	0.1473	ND	ND	ND	0.0014	0.0049	ND	ND	ND	ND	8.0500	ND	43.5145	355.0000	0.0188

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
37	7139	6/15/2007	ND	0.0043	0.2231	ND	ND	ND	0.0024	0.0071	ND	ND	ND	ND	8.0200	ND	79.3863	601.0000	0.0031
38	7140	6/15/2007	ND	ND	0.1547	ND	ND	ND	ND	0.0053	ND	ND	ND	ND	7.9300	ND	80.3816	538.0000	0.1086
39	7141	6/18/2007	ND	ND	0.1440	ND	ND	ND	0.0010	0.0213	ND	ND	ND	ND	8.0100	ND	70.8105	650.0000	0.0157
40	7142	6/18/2007	ND	ND	0.1258	ND	ND	ND	ND	0.0110	ND	ND	ND	ND	8.0000	ND	40.5647	395.0000	0.0398
41	7143	6/18/2007	ND	0.0055	0.1565	ND	ND	ND	0.0025	0.0077	ND	ND	ND	ND	8.0600	ND	51.5612	463.0000	0.0053
42	7144	6/18/2007	ND	0.0054	0.1811	ND	ND	ND	0.0017	0.0083	ND	ND	ND	ND	7.9600	ND	99.8711	885.0000	0.0100
43	7145	6/18/2007	ND	0.0035	0.1400	ND	ND	ND	0.0024	0.0099	ND	ND	ND	ND	8.1500	ND	46.2839	436.0000	0.0079
44	7146	6/18/2007	ND	0.0044	0.1103	ND	ND	ND	0.0011	0.0207	ND	ND	ND	ND	8.0700	ND	38.2836	325.0000	0.0050
45	7147	6/18/2007	ND	0.0030	0.1148	ND	ND	ND	0.0006	0.0138	ND	ND	ND	ND	8.1600	ND	37.7926	326.0000	0.0066
46	7315	9/20/2007	ND	ND	0.1073	ND	ND	ND	0.0007	0.0192	ND	ND	27.3934	ND	7.2300	ND	513.7384	1088.0000	0.3240
47	7316	9/20/2007	ND	ND	0.1401	ND	ND	ND	0.0021	0.0237	ND	ND	ND	ND	7.7100	ND	430.5959	1106.0000	0.0169
48	7317	9/20/2007	ND	ND	0.0821	ND	ND	ND	0.0019	0.0176	ND	ND	13.9453	ND	7.1100	ND	269.4929	802.0000	0.0576
49	7318	9/21/2007	ND	0.0028	0.0511	ND	ND	0.0004	0.0020	0.0093	ND	ND	95.6468	ND	7.2400	0.0260	245.9596	1785.0000	0.2669
50	7319	9/20/2007	ND	ND	0.0825	ND	ND	ND	0.0011	0.0220	ND	ND	17.2357	ND	7.5900	ND	197.7541	616.0000	0.0314
51	7320	9/20/2007	ND	ND	0.0706	ND	ND	ND	0.0022	0.0088	ND	ND	13.3716	ND	7.3600	0.0082	193.4535	632.0000	0.0307
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	7	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7031	4/24/2007	ND	0.0341	ND	ND	ND	ND	0.0100	ND	ND	5.9007	ND	ND	ND	ND	ND	166.0000
2	7032	4/24/2007	ND	0.0789	ND	ND	ND	ND	0.0098	ND	ND	17.0732	ND	ND	ND	ND	ND	199.0000
3	7033	4/24/2007	ND	0.0157	ND	ND	ND	ND	0.0083	ND	ND	5.7393	ND	ND	ND	ND	ND	125.0000
4	7034	4/24/2007	ND	0.0219	ND	ND	ND	0.0007	0.0085	ND	ND	5.1645	ND	ND	ND	ND	ND	275.0000
5	7035	4/24/2007	ND	0.0206	ND	ND	ND	0.0006	0.0085	ND	ND	4.7275	ND	ND	ND	ND	ND	239.0000
6	7052	5/2/2007	ND	0.0600	ND	ND	ND	ND	0.0295	ND	ND	35.5120	ND	ND	ND	ND	ND	275.0000
7	7071	5/23/2007	ND	0.1226	ND	ND	ND	0.0020	0.0070	ND	ND	41.3688	ND	ND	ND	0.0043	46.0595	413.0000
8	7072	5/23/2007	0.0022	0.0148	ND	ND	ND	0.0016	0.0132	ND	ND	565.2061	0.0018	ND	ND	ND	502.7023	2277.0000
9	7073	5/23/2007	0.0030	0.1211	ND	ND	ND	0.0022	0.0049	ND	ND	38.2066	ND	ND	ND	ND	ND	335.0000
10	7074	5/23/2007	ND	0.0570	ND	ND	7.0455	0.0030	0.0049	ND	ND	78.3520	0.0015	56.7563	ND	0.0082	77.6341	1008.0000
11	7075	5/23/2007	0.0032	0.0933	ND	ND	ND	0.0010	0.0083	ND	ND	43.5636	ND	ND	ND	ND	38.5910	385.0000
12	7076	5/23/2007	ND	0.0435	ND	ND	ND	0.0019	0.0107	ND	ND	120.6443	0.0008	ND	ND	ND	91.6369	630.0000
13	7106	5/25/2007	ND	0.2507	ND	ND	ND	0.0011	0.0142	ND	ND	185.6575	0.0010	12.3745	ND	ND	81.6144	965.0000
14	7107	5/25/2007	ND	0.0302	ND	ND	ND	0.0007	0.0033	ND	ND	64.5309	ND	ND	ND	ND	ND	286.0000
15	7108	5/25/2007	ND	0.0472	ND	ND	ND	ND	0.0090	ND	ND	77.2110	ND	ND	ND	ND	ND	344.0000
16	7110	5/25/2007	ND	0.0344	ND	ND	ND	0.0006	0.0015	ND	ND	37.8254	ND	ND	ND	ND	ND	245.0000
17	7111	5/25/2007	ND	0.0364	ND	ND	ND	ND	0.0042	ND	ND	34.5628	ND	ND	ND	ND	ND	228.0000
18	7112	5/25/2007	ND	0.0613	ND	ND	ND	0.0018	0.0128	ND	ND	55.6561	ND	14.7402	ND	ND	ND	478.0000
19	7113	5/25/2007	ND	0.0585	ND	ND	ND	0.0015	0.0059	ND	ND	55.7002	ND	ND	ND	ND	ND	264.0000
20	7114	5/25/2007	ND	0.0988	ND	ND	ND	0.0013	0.0064	ND	ND	44.1240	ND	35.2581	ND	ND	ND	434.0000
21	7115	5/25/2007	ND	0.0382	ND	ND	ND	0.0014	0.0029	ND	ND	30.3534	ND	ND	ND	ND	ND	223.0000
22	7116	5/25/2007	ND	0.0379	ND	ND	ND	0.0007	0.0045	ND	ND	37.6102	ND	ND	ND	ND	ND	215.0000
23	7117	5/25/2007	ND	0.0523	ND	ND	ND	ND	0.0016	ND	ND	47.9203	ND	ND	ND	ND	40.4646	319.0000
24	7118	5/25/2007	ND	0.0325	ND	ND	ND	0.0007	0.0060	ND	ND	113.3027	ND	ND	ND	ND	75.9941	510.0000
25	7119	5/25/2007	ND	0.0445	ND	ND	ND	ND	0.0059	ND	ND	313.1090	ND	ND	ND	ND	243.3423	1075.0000
26	7120	5/25/2007	ND	0.0623	ND	ND	ND	0.0011	ND	ND	ND	41.4169	ND	ND	ND	ND	ND	232.0000
27	7129	6/15/2007	ND	0.0508	ND	ND	ND	0.0011	0.0057	ND	ND	26.3907	ND	ND	ND	ND	ND	223.0000
28	7130	6/15/2007	ND	0.0109	ND	ND	ND	0.0022	0.0022	ND	ND	24.4805	ND	ND	ND	ND	ND	314.0000
29	7131	6/15/2007	ND	0.0718	ND	ND	ND	0.0033	0.0028	ND	ND	22.7853	ND	ND	ND	ND	ND	335.0000
30	7132	6/15/2007	ND	0.0664	ND	ND	ND	0.0038	0.0302	ND	ND	53.8863	ND	ND	ND	ND	ND	374.0000
31	7133	6/15/2007	0.0024	0.0060	ND	ND	ND	0.0008	0.0035	ND	ND	64.2030	ND	ND	ND	ND	ND	203.0000
32	7134	6/15/2007	ND	0.0367	ND	ND	ND	ND	0.0028	ND	ND	25.1873	ND	ND	ND	ND	ND	200.0000
33	7135	6/18/2007	0.0035	0.0207	ND	ND	ND	0.0006	0.0015	ND	ND	472.1363	ND	ND	ND	ND	374.5312	1724.0000
34	7136	6/15/2007	ND	0.1767	ND	ND	ND	ND	0.0154	ND	ND	12.9556	0.0007	ND	ND	ND	ND	133.0000
35	7137	6/15/2007	0.0048	0.1029	ND	ND	ND	0.0006	0.0053	ND	ND	32.1236	ND	ND	ND	ND	49.4053	391.0000
36	7138	6/15/2007	0.0039	0.0530	ND	ND	ND	0.0014	0.0049	ND	ND	63.8412	ND	ND	ND	ND	43.5145	355.0000

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
37	7139	6/15/2007	0.0043	0.0825	ND	ND	ND	0.0024	0.0071	ND	ND	107.0878	ND	ND	ND	ND	79.3863	601.0000
38	7140	6/15/2007	ND	0.0294	ND	ND	ND	ND	0.0053	ND	ND	98.3571	ND	ND	ND	ND	80.3816	538.0000
39	7141	6/18/2007	ND	0.1053	ND	ND	ND	0.0010	0.0213	ND	ND	83.9132	0.0018	ND	ND	ND	70.8105	650.0000
40	7142	6/18/2007	ND	0.0906	ND	ND	ND	ND	0.0110	ND	ND	57.4568	ND	ND	ND	ND	40.5647	395.0000
41	7143	6/18/2007	0.0055	0.0683	ND	ND	ND	0.0025	0.0077	ND	ND	76.2717	ND	ND	ND	ND	51.5612	463.0000
42	7144	6/18/2007	0.0054	0.0968	ND	ND	ND	0.0017	0.0083	ND	ND	121.3070	ND	ND	ND	ND	99.8711	885.0000
43	7145	6/18/2007	0.0035	0.0631	ND	ND	ND	0.0024	0.0099	ND	ND	66.9497	ND	ND	ND	ND	46.2839	436.0000
44	7146	6/18/2007	0.0044	0.0660	ND	ND	ND	0.0011	0.0207	ND	ND	47.1006	ND	ND	ND	ND	38.2836	325.0000
45	7147	6/18/2007	0.0030	0.0712	ND	ND	ND	0.0006	0.0138	ND	ND	49.4953	ND	ND	ND	ND	37.7926	326.0000
46	7315	9/20/2007	ND	0.0105	ND	ND	ND	0.0007	0.0192	ND	ND	73.6312	0.0011	27.3934	ND	ND	513.7384	1088.0000
47	7316	9/20/2007	ND	0.0169	ND	ND	ND	0.0021	0.0237	ND	ND	53.8161	0.0010	ND	ND	ND	430.5959	1106.0000
48	7317	9/20/2007	ND	0.0166	ND	ND	ND	0.0019	0.0176	ND	ND	53.2142	0.0008	13.9453	ND	ND	269.4929	802.0000
49	7318	9/21/2007	0.0028	0.0863	ND	ND	12.1401	0.0020	0.0093	ND	ND	171.9478	0.0016	95.6468	ND	0.0260	245.9596	1785.0000
50	7319	9/20/2007	ND	0.0138	ND	ND	ND	0.0011	0.0220	ND	ND	33.9186	0.0013	17.2357	ND	ND	197.7541	616.0000
51	7320	9/20/2007	ND	0.0227	ND	ND	ND	0.0022	0.0088	ND	ND	42.8279	0.0008	13.3716	ND	0.0082	193.4535	632.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1

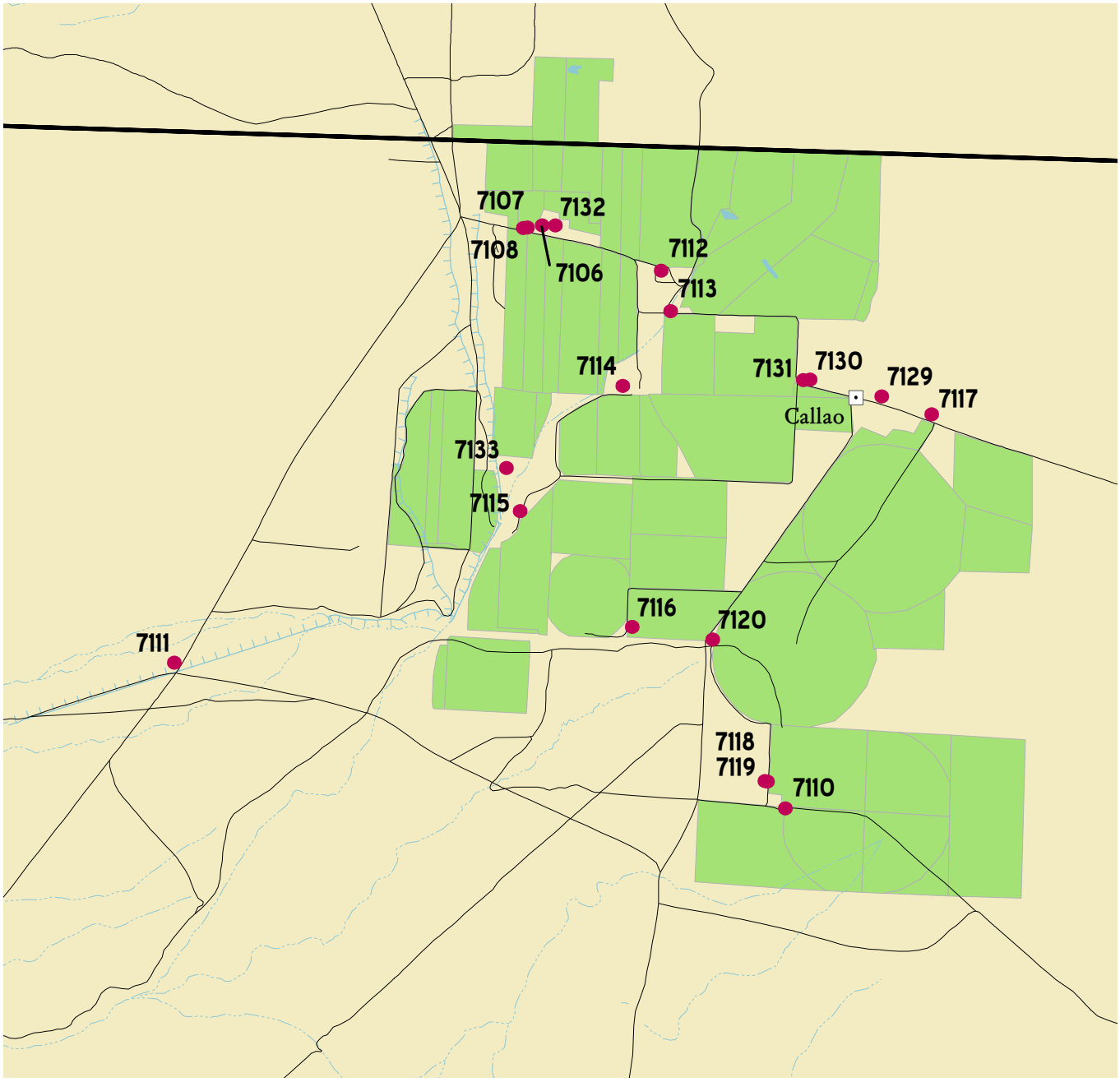
ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7031	4/24/2007	ND	ND	ND	0.0100	ND	0.0120	141.4000	0.0003	7.9000	5.1829	ND	166.0000	ND
2	7032	4/24/2007	ND	ND	16.9814	0.0098	ND	0.0556	134.5000	0.0070	8.1000	14.8997	ND	199.0000	ND
3	7033	4/24/2007	ND	0.2214	ND	0.0083	ND	0.1250	97.4000	0.0013	7.8100	5.8133	ND	125.0000	ND
4	7034	4/24/2007	ND	ND	ND	0.0085	ND	ND	267.4000	0.0066	7.8800	4.4474	ND	275.0000	ND
5	7035	4/24/2007	ND	ND	ND	0.0085	ND	ND	218.3000	0.0018	8.1700	5.6447	ND	239.0000	ND
6	7052	5/2/2007	ND	ND	89.2891	0.0295	ND	ND	161.1000	0.0030	7.4000	7.5881	ND	275.0000	0.1280
7	7071	5/23/2007	ND	ND	47.7200	0.0070	ND	ND	307.5000	0.0024	7.9600	8.2480	46.0595	413.0000	0.0469
8	7072	5/23/2007	ND	ND	808.5161	0.0132	ND	ND	800.6000	0.0240	7.8300	10.4243	502.7023	2277.0000	0.0390
9	7073	5/23/2007	ND	ND	49.7767	0.0049	ND	ND	230.6000	0.0023	8.1000	9.1267	ND	335.0000	0.0804
10	7074	5/23/2007	ND	ND	430.3056	0.0049	ND	0.0147	792.2000	0.0007	7.6200	7.1712	77.6341	1008.0000	0.0214
11	7075	5/23/2007	ND	ND	61.8125	0.0083	ND	ND	259.5000	0.0049	8.2800	20.1701	38.5910	385.0000	0.0097
12	7076	5/23/2007	ND	ND	88.6903	0.0107	ND	ND	339.8000	0.0031	7.6400	6.1910	91.6369	630.0000	0.0026
13	7106	5/25/2007	ND	ND	171.8930	0.0142	ND	ND	505.7000	0.0003	8.0200	16.3850	81.6144	965.0000	0.0102
14	7107	5/25/2007	ND	ND	72.4116	0.0033	ND	0.0172	107.8000	0.0064	8.1100	10.5189	ND	286.0000	0.0026
15	7108	5/25/2007	ND	ND	66.3973	0.0090	ND	0.0112	139.0000	0.0008	7.9600	10.9781	ND	344.0000	0.0029
16	7110	5/25/2007	ND	ND	67.2440	0.0015	ND	ND	128.9000	ND	7.8100	11.1424	ND	245.0000	0.0461
17	7111	5/25/2007	ND	ND	63.5317	0.0042	ND	ND	120.1000	ND	7.5400	11.0614	ND	228.0000	0.0023
18	7112	5/25/2007	ND	ND	47.6471	0.0128	ND	0.0172	327.0000	0.0009	8.0200	12.9561	ND	478.0000	0.0402
19	7113	5/25/2007	ND	ND	44.4595	0.0059	ND	ND	101.8000	0.0012	8.0000	11.3084	ND	264.0000	ND
20	7114	5/25/2007	ND	ND	44.6186	0.0064	ND	ND	303.0000	ND	7.7100	13.4773	ND	434.0000	0.0270
21	7115	5/25/2007	ND	ND	33.9441	0.0029	ND	ND	125.1000	0.0004	7.9500	9.1156	ND	223.0000	0.0038
22	7116	5/25/2007	ND	ND	56.1601	0.0045	ND	ND	101.8000	0.0004	7.6600	9.4915	ND	215.0000	0.0027
23	7117	5/25/2007	ND	ND	99.5462	0.0016	ND	ND	170.6000	0.0122	7.7900	10.4775	40.4646	319.0000	0.0574
24	7118	5/25/2007	ND	ND	149.9395	0.0060	ND	ND	180.4000	0.0009	7.9400	10.9314	75.9941	510.0000	0.0068
25	7119	5/25/2007	ND	ND	284.1310	0.0059	ND	ND	243.0000	0.0085	8.0500	10.7897	243.3423	1075.0000	0.0113
26	7120	5/25/2007	ND	ND	61.5127	ND	ND	ND	109.9000	ND	7.7900	8.2176	ND	232.0000	ND
27	7129	6/15/2007	ND	ND	52.5817	0.0057	ND	ND	137.2000	0.0010	8.0000	9.8158	ND	223.0000	0.0036
28	7130	6/15/2007	ND	ND	55.7626	0.0022	ND	ND	239.2000	0.0005	8.0600	11.2563	ND	314.0000	0.0151
29	7131	6/15/2007	ND	ND	34.4165	0.0028	ND	ND	272.6000	ND	7.8700	10.0698	ND	335.0000	0.0051
30	7132	6/15/2007	ND	ND	32.0159	0.0302	ND	ND	240.7000	0.0010	7.8600	11.9123	ND	374.0000	0.0144
31	7133	6/15/2007	ND	ND	38.4637	0.0035	ND	0.1158	27.9000	0.0007	8.5900	7.1266	ND	203.0000	0.0066
32	7134	6/15/2007	ND	ND	66.3365	0.0028	ND	ND	124.8000	0.0015	6.9000	11.5936	ND	200.0000	0.0202
33	7135	6/18/2007	ND	ND	574.7438	0.0015	ND	ND	380.2000	0.2574	8.0000	14.0085	374.5312	1724.0000	0.0331
34	7136	6/15/2007	ND	ND	12.6827	0.0154	ND	0.1065	79.6000	0.0729	7.6900	3.6842	ND	133.0000	0.0906
35	7137	6/15/2007	ND	ND	38.5643	0.0053	ND	ND	294.0000	0.0010	7.8600	17.9455	49.4053	391.0000	0.0036
36	7138	6/15/2007	ND	ND	51.1123	0.0049	ND	ND	176.1000	0.0025	8.0500	12.1310	43.5145	355.0000	0.0188
37	7139	6/15/2007	ND	ND	140.6998	0.0071	ND	ND	332.0000	0.0007	8.0200	15.8863	79.3863	601.0000	0.0031
38	7140	6/15/2007	ND	ND	153.1622	0.0053	ND	ND	303.4000	0.0027	7.9300	12.0552	80.3816	538.0000	0.1086

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
39	7141	6/18/2007	ND	ND	197.8121	0.0213	ND	ND	428.0000	0.0053	8.0100	10.8498	70.8105	650.0000	0.0157
40	7142	6/18/2007	ND	ND	63.1819	0.0110	ND	ND	249.6000	0.0022	8.0000	10.0172	40.5647	395.0000	0.0398
41	7143	6/18/2007	ND	ND	89.9792	0.0077	ND	ND	256.6000	ND	8.0600	20.5547	51.5612	463.0000	0.0053
42	7144	6/18/2007	ND	ND	331.3528	0.0083	ND	ND	542.0000	0.0006	7.9600	20.2168	99.8711	885.0000	0.0100
43	7145	6/18/2007	ND	ND	82.7100	0.0099	ND	ND	257.1000	ND	8.1500	15.1120	46.2839	436.0000	0.0079
44	7146	6/18/2007	ND	ND	37.2735	0.0207	ND	ND	189.1000	ND	8.0700	12.1098	38.2836	325.0000	0.0050
45	7147	6/18/2007	ND	ND	40.7621	0.0138	ND	ND	188.1000	0.0069	8.1600	12.8185	37.7926	326.0000	0.0066
46	7315	9/20/2007	ND	ND	84.4504	0.0192	ND	ND	796.0000	0.0034	7.2300	9.9036	513.7384	1088.0000	0.3240
47	7316	9/20/2007	ND	ND	67.0627	0.0237	ND	ND	989.5000	0.0007	7.7100	7.5005	430.5959	1106.0000	0.0169
48	7317	9/20/2007	ND	ND	77.7186	0.0176	ND	ND	631.0000	0.0007	7.1100	6.3464	269.4929	802.0000	0.0576
49	7318	9/21/2007	ND	ND	749.1519	0.0093	ND	ND	1330.9000	0.0045	7.2400	8.9198	245.9596	1785.0000	0.2669
50	7319	9/20/2007	ND	ND	28.5100	0.0220	ND	0.0112	503.0000	0.0055	7.5900	5.9146	197.7541	616.0000	0.0314
51	7320	9/20/2007	ND	ND	44.7438	0.0088	ND	ND	511.9000	0.0003	7.3600	7.0096	193.4535	632.0000	0.0307
Test Count that Exceeded Standard:			0	0	6	0	0	0	50	2	1	0	5	47	0

ND - Not Detected

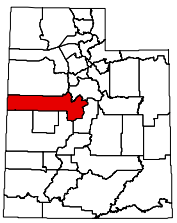
Map 19. Juab District - Callao Area



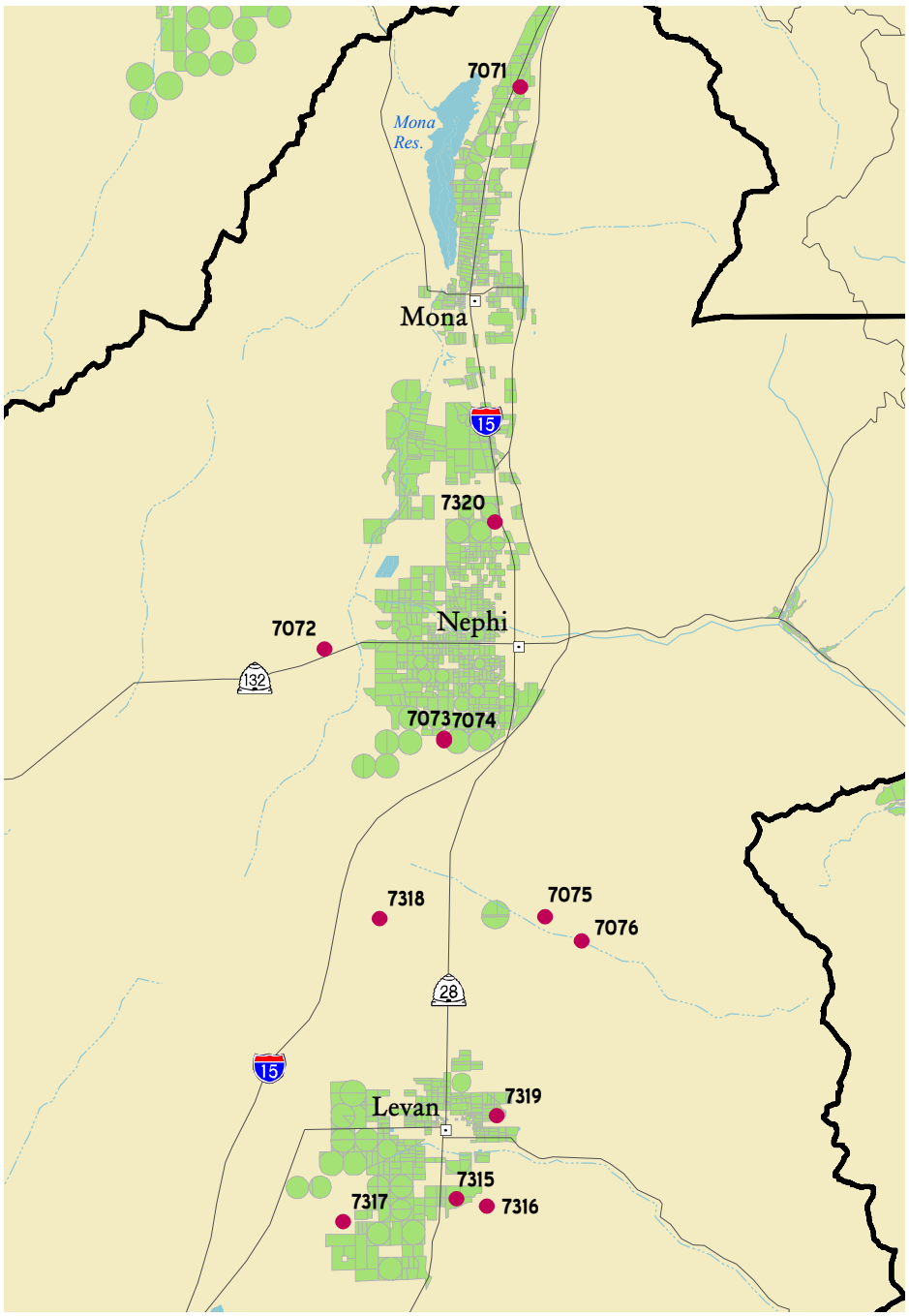
Map Scale 1:31,680 (1 inch = 0.5 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location

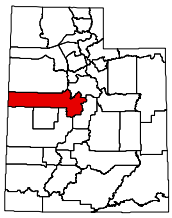


Map 20. Juab District - Nephi Area



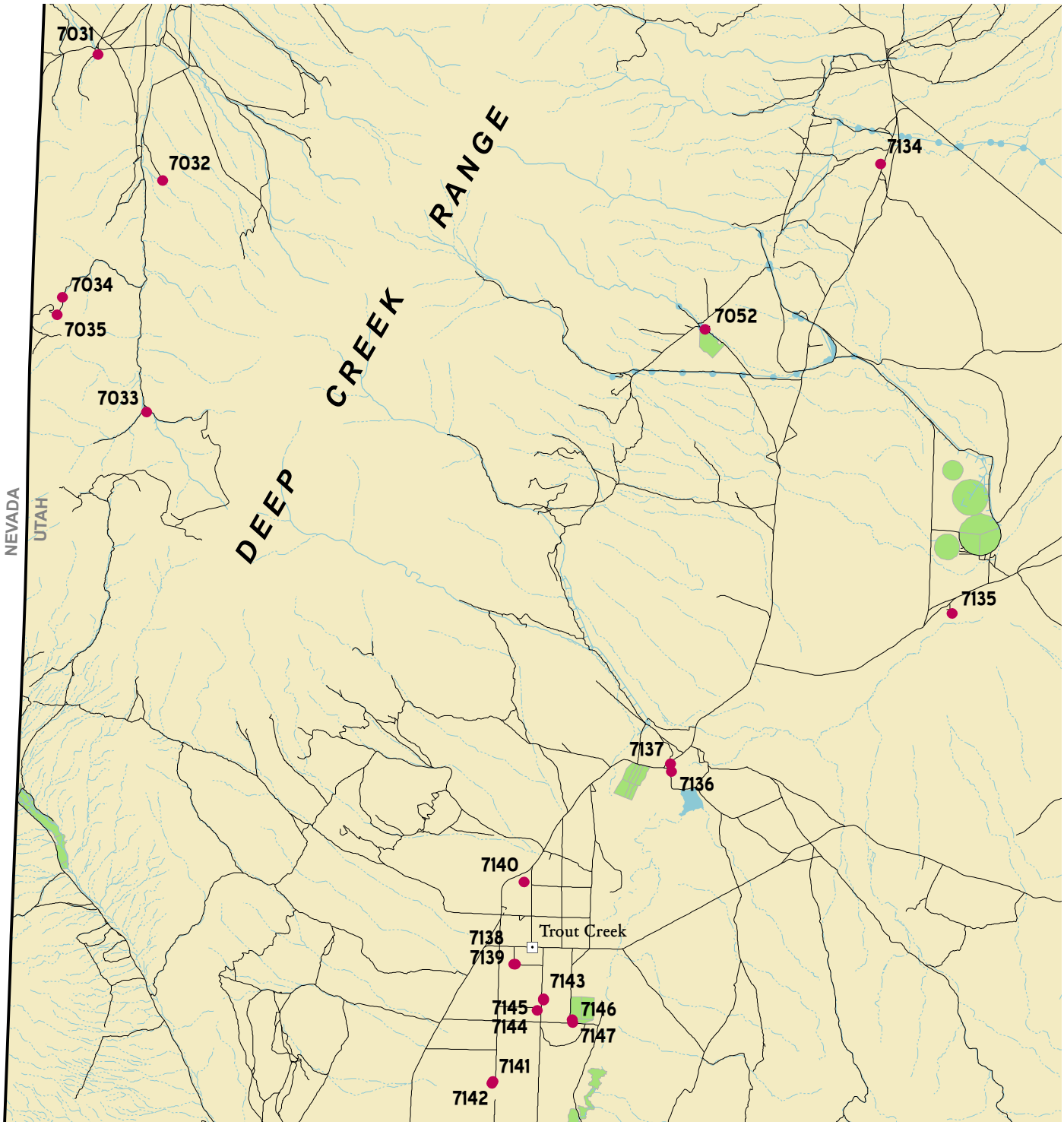
Map Scale 1:253,440 (1 inch = 4 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

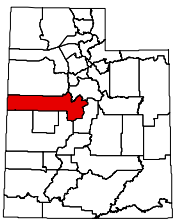
Map 21. Juab District - Trout Creek Area



Map Scale 1:158,400 (1 inch = 2.5 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Millard District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7148	6/13/2007	POS	ND	68.7 F (20.4 C)	501	307.0	0.900	212.7	Well	Clean	Soil	Steel	Sealed	✔	✔					
2	7149	6/13/2007	POS	POS	79.9 F (26.6 C)	460	285.0	0.900	195.1	Spring	Vegetated	Natural	Earth	Open		✔			✔		
3	7150	6/13/2007	ND	ND	56.5 F (13.6 C)	390	239.0	0.400	194.5	Well	Clean	Pit Concrete	Steel	Sealed	✔	✔					
4	7151	6/13/2007	ND	ND	56.1 F (13.4 C)	390	228.0	0.400	190.0	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
5	7190	7/10/2007	ND	ND	59.9 F (15.5 C)	613	360.0	0.400	326.4	Well	Clean	Concrete Pad	Steel	Sealed		✔					
6	7191	7/10/2007	ND	ND	65.1 F (18.4 C)	1150	682.0	2.300	455.2	Well	Clean	Concrete Pad	Steel	Sealed		✔					
7	7192	7/10/2007	ND	ND	65.7 F (18.7 C)	1472	1032.	2.500	630.5	Well	Clean	Concrete Pad	Steel	Sealed		✔					
8	7193	7/10/2007	ND	ND	57.4 F (14.1 C)	625	373.0	0.500	316.0	Well	Clean	Concrete Pad	Steel	Sealed		✔					
9	7194	7/10/2007	ND	ND	63.9 F (17.7 C)	732	420.0	1.200	318.5	Well	Clean	Concrete Pad	Steel	Open		✔					
10	7213	8/1/2007	POS	ND	59.9 F (15.5 C)	830	581.0	1.200	403.8	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
11	7214	8/1/2007	POS	POS	57.4 F (14.1 C)	1229	789.0	1.000	630.1	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
12	7215	8/1/2007	POS	ND	57.9 F (14.4 C)	848	513.0	0.700	412.7	Well	Gravel	Concrete Pad	Steel	Sealed		✔					
13	7216	8/1/2007	POS	ND	61.2 F (16.2 C)	513	297.0	0.600	231.0	Well	Livestock	Pit Concrete	Steel	Sealed							
14	7217	8/1/2007	POS	ND	67.6 F (19.8 C)	869	485.0	1.000	383.4	Well	Clean	Soil	Steel	Sealed	✔	✔					
15	7218	8/1/2007	POS	ND	63.0 F (17.2 C)	596	337.0	0.800	262.7	Well	Vegetated	Concrete Pad	Steel	Sealed		✔					
16	7219	8/1/2007	POS	ND	73.9 F (23.3 C)	710	406.0	0.800	321.4	Well	Vegetated	Gravel	Steel	Sealed		✔					
17	7220	8/1/2007	ND	ND	65.3 F (18.5 C)	871	487.0	0.800	391.5	Well	Vegetated	Soil	Steel	Sealed		✔					
18	7221	8/1/2007	ND	ND	63.9 F (17.7 C)	545	317.0	0.500	267.2	Well	Vegetated	Soil	Steel	Sealed		✔					
19	7222	8/1/2007	ND	ND	57.6 F (14.2 C)	730	459.0	2.100	269.2	Well	Gravel	Well House	Steel	Sealed	✔	✔					
20	7223	8/1/2007	ND	ND	65.1 F (18.4 C)	1466	1195.	1.100	953.3	Well	Vegetated	Soil	Steel	Sealed		✔					
21	7224	8/1/2007	POS	ND	65.7 F (18.7 C)	1105	747.0	1.700	488.3	Well	Vegetated	Soil	Steel	Sealed		✔					
22	7225	8/1/2007	POS	ND	58.6 F (14.8 C)	1115	691.0	2.500	392.1	Well	Vegetated	Soil	Steel	Sealed		✔					
23	7226	8/1/2007	ND	ND	57.4 F (14.1 C)	749	462.0	0.900	365.0	Well	Vegetated	Soil	Steel	Sealed		✔					
24	7227	8/1/2007	ND	ND	57.0 F (13.9 C)	915	580.0	1.200	430.5	Well	Vegetated	Soil	Steel	Sealed		✔					
25	7228	8/1/2007	POS	ND	66.0 F (18.9 C)	893	590.0	1.400	418.3	Well	Vegetated	Soil	Steel	Sealed		✔					
26	7229	8/1/2007	ND	ND	58.8 F (14.9 C)	565	347.0	0.700	280.6	Well	Vegetated	Soil	Steel	Sealed		✔					
27	7230	8/1/2007	POS	ND	56.7 F (13.7 C)	659	411.0	0.500	358.8	Well	Vegetated	Soil	Steel	Sealed		✔					
28	7231	8/1/2007	ND	ND	57.7 F (14.3 C)	1035	648.0	1.700	458.5	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
29	7232	8/1/2007	ND	ND	59.9 F (15.5 C)	836	510.0	1.400	361.8	Well	Gravel	Gravel	Steel	Sealed		✔					
30	7233	8/1/2007	ND	ND	62.1 F (16.7 C)	6490	4135.	6.700	2016.	Well	Vegetated	Soil	Steel	Sealed		✔					
31	7234	8/1/2007	ND	ND	57.6 F (14.2 C)	5860	3820.	5.900	1722.	Well	Clay Soil	Gravel	Steel	Sealed		✔					
32	7235	8/1/2007	ND	ND	59.0 F (15.0 C)	964	583.0	2.600	310.5	Well	Clay Soil	Gravel	Steel	Sealed		✔					
33	7435	11/6/2007	ND	ND	55.6 F (13.1 C)	1036	6722.	8.400	5051.	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**13**	**2**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7148	6/18/2007	ND	0.0759	ND	55.7021	26.5384	ND	ND	ND	0.0118	ND	ND	269.6210	3.9020	0.0308	17.8260
2	7149	6/18/2007	ND	0.0696	ND	50.8500	23.0633	ND	ND	0.0007	0.0117	ND	ND	247.8310	3.9935	0.0301	16.5041
3	7150	6/18/2007	ND	0.0296	ND	50.4886	13.6746	ND	ND	ND	0.0091	ND	ND	243.5000	1.1609	0.0051	16.5811
4	7151	6/18/2007	ND	0.0343	ND	46.7540	12.1476	ND	ND	ND	0.0177	ND	ND	234.2490	1.2735	0.0047	17.7430
5	7190	7/12/2007	ND	0.0641	ND	80.4270	42.8433	ND	ND	0.0021	0.0089	ND	ND	300.1200	1.3497	0.0136	30.4209
6	7191	7/12/2007	ND	0.6088	ND	123.2968	100.7914	ND	ND	0.0019	0.0299	ND	ND	285.4280	15.0612	0.3050	35.6752
7	7192	7/12/2007	ND	0.6342	ND	170.7930	216.3883	ND	ND	0.0025	0.0086	ND	ND	317.3540	17.2689	0.3110	49.4058
8	7193	7/12/2007	ND	0.0607	ND	74.6061	26.5445	ND	ND	0.0033	0.0053	ND	ND	361.4770	1.6774	0.0135	31.4249
9	7194	7/12/2007	ND	0.1056	ND	73.4079	53.5977	ND	ND	0.0028	0.0123	ND	ND	296.9680	1.9797	0.0236	32.7691
10	7213	8/3/2007	ND	0.0984	ND	102.0962	76.1658	ND	ND	0.0045	0.0102	ND	ND	400.6680	3.2541	0.0345	36.0460
11	7214	8/3/2007	ND	0.0623	ND	137.3268	243.2595	ND	ND	0.0033	0.0032	ND	ND	263.6110	2.6068	0.0201	69.6164
12	7215	8/3/2007	ND	0.0560	ND	91.4232	120.4721	ND	ND	0.0048	0.0139	ND	ND	279.4300	1.5717	0.0140	44.6904
13	7216	8/3/2007	ND	0.0483	ND	40.7640	48.2874	ND	ND	0.0040	0.0112	ND	ND	232.7660	2.0127	0.0392	31.3237
14	7217	8/3/2007	ND	0.0715	ND	75.5238	185.0164	ND	ND	0.0025	0.0088	ND	ND	181.8300	2.2156	0.0349	47.2251
15	7218	8/3/2007	ND	0.0598	ND	53.3876	82.3472	ND	ND	0.0035	0.0100	ND	ND	211.8130	1.8654	0.0292	31.3776
16	7219	8/3/2007	ND	0.0484	ND	78.0663	131.2177	ND	ND	0.0016	0.0085	ND	ND	164.2000	1.5882	0.0209	30.6406
17	7220	8/3/2007	ND	0.0455	ND	90.8991	206.0512	ND	ND	0.0020	0.0092	ND	ND	135.1340	1.9548	0.0287	39.8566
18	7221	8/3/2007	ND	0.0372	ND	53.8824	42.2593	ND	ND	0.0043	0.0063	ND	ND	271.9360	1.4717	0.0159	32.1556
19	7222	8/3/2007	ND	0.1559	ND	57.1845	30.1279	ND	ND	0.0054	0.0117	ND	ND	402.3470	1.5951	0.0133	30.6446
20	7223	8/3/2007	ND	0.1909	ND	176.3726	224.7612	ND	ND	0.0036	0.0049	ND	ND	218.6240	5.2788	0.1061	124.3731
21	7224	8/3/2007	ND	0.2464	ND	89.6317	157.6021	ND	ND	0.0037	0.0097	ND	ND	240.4880	12.5786	0.2576	64.1410
22	7225	8/3/2007	ND	0.6053	ND	102.6657	198.6548	ND	ND	0.0030	0.0081	ND	ND	249.7100	15.2053	0.2919	32.8783
23	7226	8/3/2007	ND	0.1408	ND	95.8348	63.0042	ND	ND	0.0037	0.0033	ND	ND	300.0130	3.6572	0.0450	30.4475
24	7227	8/3/2007	ND	0.1535	ND	119.8769	128.1236	ND	ND	0.0028	0.0074	ND	ND	251.3220	3.2352	0.0388	31.7514
25	7228	8/3/2007	ND	0.2147	ND	113.8058	87.4749	ND	ND	0.0031	0.0045	ND	ND	333.1710	5.5203	0.0603	32.4639
26	7229	8/3/2007	ND	0.0915	ND	76.0472	28.4576	ND	ND	0.0031	0.0057	ND	ND	298.2670	1.9453	0.0170	21.9570
27	7230	8/3/2007	ND	0.0836	ND	91.6646	29.5590	ND	ND	0.0040	0.0110	ND	ND	364.3780	2.2001	0.0165	31.4650
28	7231	8/3/2007	ND	0.2873	ND	112.8278	170.2986	ND	ND	0.0028	0.0251	ND	ND	297.4650	4.4842	0.0640	42.8235
29	7232	8/3/2007	ND	0.2496	ND	84.7448	107.2669	0.0046	ND	0.0038	0.0099	ND	ND	265.9870	7.9465	0.1193	36.3822
30	7233	8/3/2007	ND	3.6180	ND	427.5376	1601.2450	0.0004	ND	0.0029	0.0112	ND	ND	305.7230	57.8540	1.9370	230.0716
31	7234	8/3/2007	ND	3.2910	ND	374.0595	1223.5720	0.0033	ND	0.0035	0.0141	ND	ND	315.3070	38.4430	1.4620	191.1648
32	7235	8/3/2007	ND	0.3790	ND	57.3548	125.8384	ND	ND	0.0022	0.0140	ND	ND	226.4540	5.0313	0.1184	40.5572
33	7435	11/9/2007	ND	1.9830	ND	754.4712	3140.1290	0.0010	ND	0.0011	0.0169	ND	ND	185.6500	30.4992	1.3220	768.3148
Test Count that Exceeded Standard			0	6	0	0	20	0	0	0	0	0	0	33	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7148	6/18/2007	0.0012	0.0012	30.0819	ND	ND	ND	0.9000	ND	307.0000	0.0033	0.0063
2	7149	6/18/2007	0.0003	0.0016	29.4520	ND	ND	ND	0.9000	ND	285.0000	0.0028	0.0037
3	7150	6/18/2007	ND	ND	14.1168	ND	0.0013	ND	0.4000	ND	239.0000	ND	0.1306
4	7151	6/18/2007	0.0007	ND	13.0892	0.0030	ND	ND	0.4000	ND	228.0000	ND	0.0207
5	7190	7/12/2007	0.0005	ND	18.0342	ND	ND	ND	0.4000	ND	360.0000	ND	0.0087
6	7191	7/12/2007	0.0011	ND	115.1362	ND	ND	ND	2.3000	ND	682.0000	ND	0.0337
7	7192	7/12/2007	0.0024	ND	144.4012	0.0007	ND	ND	2.5000	ND	1032.0000	0.0020	0.0093
8	7193	7/12/2007	ND	ND	21.4227	ND	ND	ND	0.5000	ND	373.0000	0.0031	0.0026
9	7194	7/12/2007	ND	ND	47.4049	ND	ND	ND	1.2000	ND	420.0000	0.0030	0.0055
10	7213	8/3/2007	0.0003	0.0008	53.3769	ND	ND	ND	1.2000	ND	581.0000	0.0022	0.0046
11	7214	8/3/2007	ND	ND	57.8915	0.0010	ND	ND	1.0000	ND	789.0000	0.0030	0.0032
12	7215	8/3/2007	0.0009	ND	33.4995	ND	ND	ND	0.7000	ND	513.0000	0.0031	0.0062
13	7216	8/3/2007	0.0007	0.0005	22.0223	ND	ND	ND	0.6000	ND	297.0000	0.0105	0.0074
14	7217	8/3/2007	0.0005	ND	45.8621	ND	ND	ND	1.0000	ND	485.0000	0.0066	0.0902
15	7218	8/3/2007	0.0003	ND	28.6980	ND	ND	ND	0.8000	ND	337.0000	0.0028	0.0049
16	7219	8/3/2007	0.0211	ND	31.7203	ND	ND	ND	0.8000	ND	406.0000	ND	0.0266
17	7220	8/3/2007	0.0007	ND	36.4153	ND	ND	ND	0.8000	ND	487.0000	ND	0.0059
18	7221	8/3/2007	ND	ND	19.8360	ND	ND	ND	0.5000	ND	317.0000	0.0046	0.0032
19	7222	8/3/2007	0.0014	ND	77.8161	ND	ND	ND	2.1000	ND	459.0000	0.0056	0.3882
20	7223	8/3/2007	0.0003	0.0008	76.6237	0.0007	ND	ND	1.1000	0.0054	1195.0000	0.0088	0.0175
21	7224	8/3/2007	0.0029	0.0013	88.5739	ND	ND	ND	1.7000	ND	747.0000	0.0115	0.0165
22	7225	8/3/2007	0.0005	0.0010	113.5381	ND	ND	ND	2.5000	ND	691.0000	0.0020	0.0211
23	7226	8/3/2007	ND	ND	39.3078	ND	ND	ND	0.9000	ND	462.0000	0.0031	0.0022
24	7227	8/3/2007	0.0010	ND	57.7443	0.0007	ND	ND	1.2000	ND	580.0000	ND	0.0044
25	7228	8/3/2007	ND	ND	64.0942	ND	ND	ND	1.4000	ND	590.0000	0.0036	0.0023
26	7229	8/3/2007	ND	ND	27.3135	ND	ND	ND	0.7000	ND	347.0000	0.0043	0.0041
27	7230	8/3/2007	0.0003	ND	23.3575	0.0007	ND	ND	0.5000	ND	411.0000	0.0036	0.0029
28	7231	8/3/2007	0.0034	ND	82.8475	0.0010	ND	ND	1.7000	ND	648.0000	0.0025	0.3022
29	7232	8/3/2007	0.0003	0.0006	60.0820	ND	ND	ND	1.4000	ND	510.0000	0.0077	0.0074
30	7233	8/3/2007	0.0006	0.0012	690.2633	0.0027	ND	ND	6.7000	0.0224	4135.0000	0.0056	0.0140
31	7234	8/3/2007	0.0006	ND	563.8173	0.0025	ND	ND	5.9000	0.0098	3820.0000	0.0061	0.0069
32	7235	8/3/2007	0.0004	0.0012	104.2816	ND	ND	ND	2.6000	ND	583.0000	0.0100	0.0042
33	7435	11/9/2007	0.0067	0.0193	1370.2920	0.0059	ND	ND	8.4000	0.0482	6722.0000	0.0034	0.2285
Test Count that Exceeded Standard:			0	1	11	0	0	0	3	2	33	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7148	6/18/2007	ND	0.0025	0.0759	ND	ND	ND	ND	0.0118	ND	ND	ND	ND	8.0500	ND	ND	307.0000	0.0063
2	7149	6/18/2007	ND	0.0029	0.0696	ND	ND	ND	0.0007	0.0117	ND	ND	ND	ND	8.2300	ND	ND	285.0000	0.0037
3	7150	6/18/2007	ND	ND	0.0296	ND	ND	ND	ND	0.0091	ND	ND	ND	0.0013	8.2100	ND	ND	239.0000	0.1306
4	7151	6/18/2007	ND	ND	0.0343	ND	ND	ND	ND	0.0177	ND	ND	ND	ND	8.1100	ND	ND	228.0000	0.0207
5	7190	7/12/2007	ND	ND	0.0641	ND	ND	ND	0.0021	0.0089	ND	ND	12.4249	ND	7.6300	ND	ND	360.0000	0.0087
6	7191	7/12/2007	ND	ND	0.6088	ND	ND	ND	0.0019	0.0299	ND	ND	ND	ND	7.5800	ND	137.5355	682.0000	0.0337
7	7192	7/12/2007	ND	ND	0.6342	ND	ND	ND	0.0025	0.0086	ND	ND	ND	ND	7.4500	ND	266.4930	1032.0000	0.0093
8	7193	7/12/2007	ND	ND	0.0607	ND	ND	ND	0.0033	0.0053	ND	ND	10.3230	ND	7.6400	ND	ND	373.0000	0.0026
9	7194	7/12/2007	ND	ND	0.1056	ND	ND	ND	0.0028	0.0123	ND	ND	ND	ND	8.0100	ND	49.8238	420.0000	0.0055
10	7213	8/3/2007	ND	0.0024	0.0984	ND	ND	ND	0.0045	0.0102	ND	ND	28.3314	ND	7.9200	ND	76.0667	581.0000	0.0046
11	7214	8/3/2007	ND	0.0019	0.0623	ND	ND	ND	0.0033	0.0032	ND	ND	27.4261	ND	7.5500	ND	110.4600	789.0000	0.0032
12	7215	8/3/2007	ND	ND	0.0560	ND	ND	ND	0.0048	0.0139	ND	ND	45.1656	ND	7.5500	ND	ND	513.0000	0.0062
13	7216	8/3/2007	ND	0.0066	0.0483	ND	ND	ND	0.0040	0.0112	ND	ND	ND	ND	7.8100	ND	ND	297.0000	0.0074
14	7217	8/3/2007	ND	0.0042	0.0715	ND	ND	ND	0.0025	0.0088	ND	ND	12.9151	ND	8.0900	ND	ND	485.0000	0.0902
15	7218	8/3/2007	ND	0.0019	0.0598	ND	ND	ND	0.0035	0.0100	ND	ND	ND	ND	8.1900	ND	ND	337.0000	0.0049
16	7219	8/3/2007	ND	ND	0.0484	ND	ND	ND	0.0016	0.0085	ND	ND	11.3536	ND	8.1300	ND	ND	406.0000	0.0266
17	7220	8/3/2007	ND	0.0019	0.0455	ND	ND	ND	0.0020	0.0092	ND	ND	ND	ND	8.0400	ND	ND	487.0000	0.0059
18	7221	8/3/2007	ND	0.0031	0.0372	ND	ND	ND	0.0043	0.0063	ND	ND	9.4442	ND	8.2800	ND	ND	317.0000	0.0032
19	7222	8/3/2007	ND	0.0027	0.1559	ND	ND	ND	0.0054	0.0117	ND	ND	15.9581	ND	8.2500	ND	37.1313	459.0000	0.3882
20	7223	8/3/2007	ND	0.0059	0.1909	ND	ND	ND	0.0036	0.0049	ND	ND	11.3875	ND	8.0700	0.0054	451.5828	1195.0000	0.0175
21	7224	8/3/2007	ND	0.0080	0.2464	ND	ND	ND	0.0037	0.0097	ND	ND	ND	ND	8.2200	ND	193.6861	747.0000	0.0165
22	7225	8/3/2007	ND	ND	0.6053	ND	ND	ND	0.0030	0.0081	ND	ND	10.4644	ND	8.1700	ND	87.6407	691.0000	0.0211
23	7226	8/3/2007	ND	ND	0.1408	ND	ND	ND	0.0037	0.0033	ND	ND	18.7509	ND	8.1600	ND	52.6123	462.0000	0.0022
24	7227	8/3/2007	ND	ND	0.1535	ND	ND	ND	0.0028	0.0074	ND	ND	16.4230	ND	8.1500	ND	90.0824	580.0000	0.0044
25	7228	8/3/2007	ND	0.0020	0.2147	ND	ND	ND	0.0031	0.0045	ND	ND	15.6750	ND	8.2400	ND	95.6901	590.0000	0.0023
26	7229	8/3/2007	ND	0.0023	0.0915	ND	ND	ND	0.0031	0.0057	ND	ND	ND	ND	8.3100	ND	ND	347.0000	0.0041
27	7230	8/3/2007	ND	0.0026	0.0836	ND	ND	ND	0.0040	0.0110	ND	ND	ND	ND	8.2800	ND	ND	411.0000	0.0029
28	7231	8/3/2007	ND	0.0020	0.2873	ND	ND	ND	0.0028	0.0251	ND	ND	12.2177	ND	8.2200	ND	64.2826	648.0000	0.3022
29	7232	8/3/2007	ND	0.0040	0.2496	ND	ND	0.0046	0.0038	0.0099	ND	ND	11.3504	ND	8.2800	ND	56.8119	510.0000	0.0074
30	7233	8/3/2007	ND	0.0047	3.6180	ND	ND	0.0004	0.0029	0.0112	ND	ND	ND	ND	8.0700	0.0224	954.2599	4135.0000	0.0140
31	7234	8/3/2007	ND	0.0044	3.2910	ND	ND	0.0033	0.0035	0.0141	ND	ND	39.2184	ND	8.1200	0.0098	1215.3900	3820.0000	0.0069
32	7235	8/3/2007	ND	0.0061	0.3790	ND	ND	ND	0.0022	0.0140	ND	ND	19.9774	ND	8.3000	ND	105.7922	583.0000	0.0042
33	7435	11/9/2007	ND	0.0059	1.9830	ND	ND	0.0010	0.0011	0.0169	ND	ND	98.2175	ND	7.2800	0.0482	447.7550	6722.0000	0.2285
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	5	0

ND - Not Detected

Culinary:

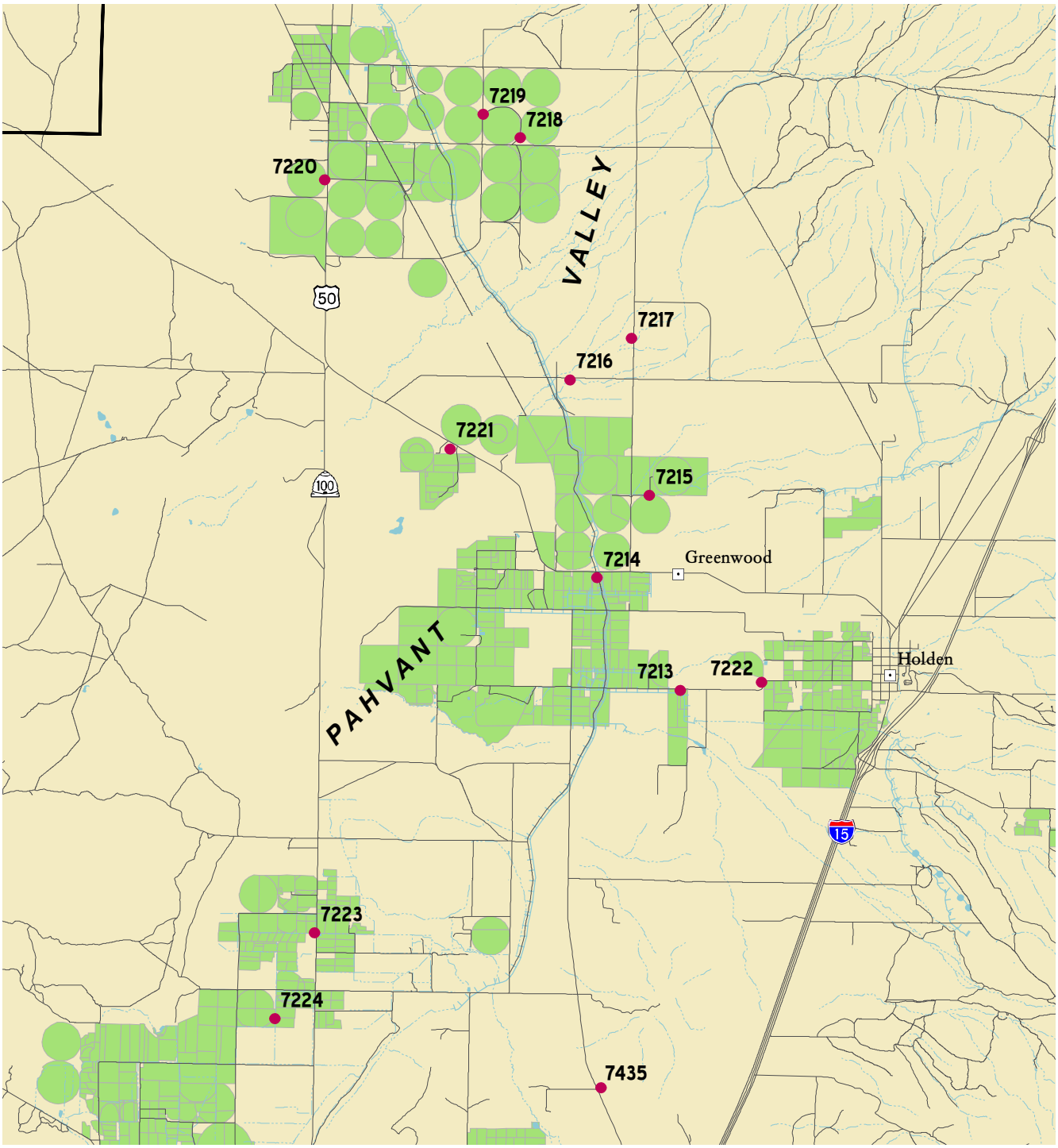
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7148	6/18/2007	0.0025	0.0735	ND	ND	ND	ND	0.0118	ND	ND	30.0819	ND	ND	ND	ND	ND	307.0000
2	7149	6/18/2007	0.0029	0.0741	ND	ND	ND	0.0007	0.0117	ND	ND	29.4520	ND	ND	ND	ND	ND	285.0000
3	7150	6/18/2007	ND	0.0981	ND	ND	ND	ND	0.0091	ND	ND	14.1168	ND	ND	0.0013	ND	ND	239.0000
4	7151	6/18/2007	ND	0.0776	ND	ND	ND	ND	0.0177	ND	ND	13.0892	0.0030	ND	ND	ND	ND	228.0000
5	7190	7/12/2007	ND	0.1771	ND	ND	ND	0.0021	0.0089	ND	ND	18.0342	ND	12.4249	ND	ND	ND	360.0000
6	7191	7/12/2007	ND	0.0285	ND	ND	ND	0.0019	0.0299	ND	ND	115.1362	ND	ND	ND	ND	137.5355	682.0000
7	7192	7/12/2007	ND	0.0230	ND	ND	ND	0.0025	0.0086	ND	ND	144.4012	0.0007	ND	ND	ND	266.4930	1032.0000
8	7193	7/12/2007	ND	0.1835	ND	ND	ND	0.0033	0.0053	ND	ND	21.4227	ND	10.3230	ND	ND	ND	373.0000
9	7194	7/12/2007	ND	0.0905	ND	ND	ND	0.0028	0.0123	ND	ND	47.4049	ND	ND	ND	ND	49.8238	420.0000
10	7213	8/3/2007	0.0024	0.0357	ND	ND	ND	0.0045	0.0102	ND	ND	53.3769	ND	28.3314	ND	ND	76.0667	581.0000
11	7214	8/3/2007	0.0019	0.0779	ND	ND	ND	0.0033	0.0032	ND	ND	57.8915	0.0010	27.4261	ND	ND	110.4600	789.0000
12	7215	8/3/2007	ND	0.1465	ND	ND	ND	0.0048	0.0139	ND	ND	33.4995	ND	45.1656	ND	ND	ND	513.0000
13	7216	8/3/2007	0.0066	0.1775	ND	ND	ND	0.0040	0.0112	ND	ND	22.0223	ND	ND	ND	ND	ND	297.0000
14	7217	8/3/2007	0.0042	0.3495	ND	ND	ND	0.0025	0.0088	ND	ND	45.8621	ND	12.9151	ND	ND	ND	485.0000
15	7218	8/3/2007	0.0019	0.1323	ND	ND	ND	0.0035	0.0100	ND	ND	28.6980	ND	ND	ND	ND	ND	337.0000
16	7219	8/3/2007	ND	0.1564	ND	ND	ND	0.0016	0.0085	ND	ND	31.7203	ND	11.3536	ND	ND	ND	406.0000
17	7220	8/3/2007	0.0019	0.1629	ND	ND	ND	0.0020	0.0092	ND	ND	36.4153	ND	ND	ND	ND	ND	487.0000
18	7221	8/3/2007	0.0031	0.1284	ND	ND	ND	0.0043	0.0063	ND	ND	19.8360	ND	9.4442	ND	ND	ND	317.0000
19	7222	8/3/2007	0.0027	0.0769	ND	ND	ND	0.0054	0.0117	ND	ND	77.8161	ND	15.9581	ND	ND	37.1313	459.0000
20	7223	8/3/2007	0.0059	0.0192	ND	ND	ND	0.0036	0.0049	ND	ND	76.6237	0.0007	11.3875	ND	0.0054	451.5828	1195.0000
21	7224	8/3/2007	0.0080	0.0373	ND	ND	ND	0.0037	0.0097	ND	ND	88.5739	ND	ND	ND	ND	193.6861	747.0000
22	7225	8/3/2007	ND	0.0683	ND	ND	ND	0.0030	0.0081	ND	ND	113.5381	ND	10.4644	ND	ND	87.6407	691.0000
23	7226	8/3/2007	ND	0.1626	ND	ND	ND	0.0037	0.0033	ND	ND	39.3078	ND	18.7509	ND	ND	52.6123	462.0000
24	7227	8/3/2007	ND	0.1074	ND	ND	ND	0.0028	0.0074	ND	ND	57.7443	0.0007	16.4230	ND	ND	90.0824	580.0000
25	7228	8/3/2007	0.0020	0.0683	ND	ND	ND	0.0031	0.0045	ND	ND	64.0942	ND	15.6750	ND	ND	95.6901	590.0000
26	7229	8/3/2007	0.0023	0.1277	ND	ND	ND	0.0031	0.0057	ND	ND	27.3135	ND	ND	ND	ND	ND	347.0000
27	7230	8/3/2007	0.0026	0.1819	ND	ND	ND	0.0040	0.0110	ND	ND	23.3575	0.0007	ND	ND	ND	ND	411.0000
28	7231	8/3/2007	0.0020	0.0965	ND	ND	ND	0.0028	0.0251	ND	ND	82.8475	0.0010	12.2177	ND	ND	64.2826	648.0000
29	7232	8/3/2007	0.0040	0.1017	ND	ND	ND	0.0038	0.0099	ND	ND	60.0820	ND	11.3504	ND	ND	56.8119	510.0000
30	7233	8/3/2007	0.0047	0.0696	ND	ND	ND	0.0029	0.0112	ND	ND	690.2633	0.0027	ND	ND	0.0224	954.2599	4135.0000
31	7234	8/3/2007	0.0044	0.0308	ND	ND	ND	0.0035	0.0141	ND	ND	563.8173	0.0025	39.2184	ND	0.0098	1215.3900	3820.0000
32	7235	8/3/2007	0.0061	0.0502	ND	ND	ND	0.0022	0.0140	ND	ND	104.2816	ND	19.9774	ND	ND	105.7922	583.0000
33	7435	11/9/2007	0.0059	0.0393	ND	ND	14.7776	0.0011	0.0169	ND	ND	1370.2920	0.0059	98.2175	ND	0.0482	447.7550	6722.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7148	6/18/2007	ND	ND	26.5384	0.0118	ND	ND	212.7000	0.0012	8.0500	11.4854	ND	307.0000	0.0063
2	7149	6/18/2007	ND	ND	23.0633	0.0117	ND	ND	195.1000	0.0003	8.2300	10.6268	ND	285.0000	0.0037
3	7150	6/18/2007	ND	ND	13.6746	0.0091	ND	ND	194.5000	ND	8.2100	6.4408	ND	239.0000	0.1306
4	7151	6/18/2007	ND	ND	12.1476	0.0177	ND	ND	190.0000	0.0007	8.1100	6.6104	ND	228.0000	0.0207
5	7190	7/12/2007	ND	ND	42.8433	0.0089	ND	ND	326.4000	0.0005	7.6300	7.0726	ND	360.0000	0.0087
6	7191	7/12/2007	ND	ND	100.7914	0.0299	ND	ND	455.2000	0.0011	7.5800	7.0082	137.5355	682.0000	0.0337
7	7192	7/12/2007	ND	ND	216.3883	0.0086	ND	ND	630.5000	0.0024	7.4500	7.8945	266.4930	1032.0000	0.0093
8	7193	7/12/2007	ND	ND	26.5445	0.0053	ND	ND	316.0000	ND	7.6400	9.2070	ND	373.0000	0.0026
9	7194	7/12/2007	ND	ND	53.5977	0.0123	ND	ND	318.5000	ND	8.0100	8.8434	49.8238	420.0000	0.0055
10	7213	8/3/2007	ND	ND	76.1658	0.0102	ND	ND	403.8000	0.0003	7.9200	8.0522	76.0667	581.0000	0.0046
11	7214	8/3/2007	ND	ND	243.2595	0.0032	ND	ND	630.1000	ND	7.5500	10.5492	110.4600	789.0000	0.0032
12	7215	8/3/2007	ND	ND	120.4721	0.0139	ND	ND	412.7000	0.0009	7.5500	8.3384	ND	513.0000	0.0062
13	7216	8/3/2007	ND	ND	48.2874	0.0112	ND	ND	231.0000	0.0007	7.8100	16.3593	ND	297.0000	0.0074
14	7217	8/3/2007	ND	ND	185.0164	0.0088	ND	ND	383.4000	0.0005	8.0900	11.2026	ND	485.0000	0.0902
15	7218	8/3/2007	ND	ND	82.3472	0.0100	ND	ND	262.7000	0.0003	8.1900	9.8042	ND	337.0000	0.0049
16	7219	8/3/2007	ND	ND	131.2177	0.0085	ND	ND	321.4000	0.0211	8.1300	7.3520	ND	406.0000	0.0266
17	7220	8/3/2007	ND	ND	206.0512	0.0092	ND	ND	391.5000	0.0007	8.0400	8.5071	ND	487.0000	0.0059
18	7221	8/3/2007	ND	ND	42.2593	0.0063	ND	ND	267.2000	ND	8.2800	10.6833	ND	317.0000	0.0032
19	7222	8/3/2007	ND	ND	30.1279	0.0117	ND	ND	269.2000	0.0014	8.2500	9.8360	37.1313	459.0000	0.3882
20	7223	8/3/2007	ND	ND	224.7612	0.0049	ND	ND	953.3000	0.0003	8.0700	17.2352	451.5828	1195.0000	0.0175
21	7224	8/3/2007	ND	ND	157.6021	0.0097	ND	ND	488.3000	0.0029	8.2200	19.7142	193.6861	747.0000	0.0165
22	7225	8/3/2007	ND	ND	198.6548	0.0081	ND	ND	392.1000	0.0005	8.1700	6.4461	87.6407	691.0000	0.0211
23	7226	8/3/2007	ND	ND	63.0042	0.0033	ND	ND	365.0000	ND	8.1600	10.2439	52.6123	462.0000	0.0022
24	7227	8/3/2007	ND	ND	128.1236	0.0074	ND	ND	430.5000	0.0010	8.1500	8.5680	90.0824	580.0000	0.0044
25	7228	8/3/2007	ND	ND	87.4749	0.0045	ND	ND	418.3000	ND	8.2400	10.5495	95.6901	590.0000	0.0023
26	7229	8/3/2007	ND	ND	28.4576	0.0057	ND	ND	280.6000	ND	8.3100	9.9136	ND	347.0000	0.0041
27	7230	8/3/2007	ND	ND	29.5590	0.0110	ND	ND	358.8000	0.0003	8.2800	9.8646	ND	411.0000	0.0029
28	7231	8/3/2007	ND	ND	170.2986	0.0251	ND	ND	458.5000	0.0034	8.2200	11.1283	64.2826	648.0000	0.3022
29	7232	8/3/2007	ND	ND	107.2669	0.0099	ND	ND	361.8000	0.0003	8.2800	13.7497	56.8119	510.0000	0.0074
30	7233	8/3/2007	ND	ND	1601.2450	0.0112	ND	ND	2016.7000	0.0006	8.0700	17.8734	954.2599	4135.0000	0.0140
31	7234	8/3/2007	ND	ND	1223.5720	0.0141	ND	ND	1722.7000	0.0006	8.1200	18.8595	1215.3900	3820.0000	0.0069
32	7235	8/3/2007	ND	ND	125.8384	0.0140	ND	ND	310.5000	0.0004	8.3000	13.0344	105.7922	583.0000	0.0042
33	7435	11/9/2007	ND	ND	3140.1290	0.0169	ND	ND	5051.6000	0.0067	7.2800	20.4656	447.7550	6722.0000	0.2285
Test Count that Exceeded Standard:			0	0	3	0	0	0	33	0	0	0	5	33	0

ND - Not Detected

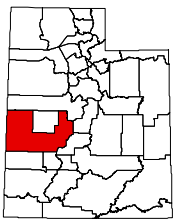
Map 22. Millard County District - Pahvant Valley North



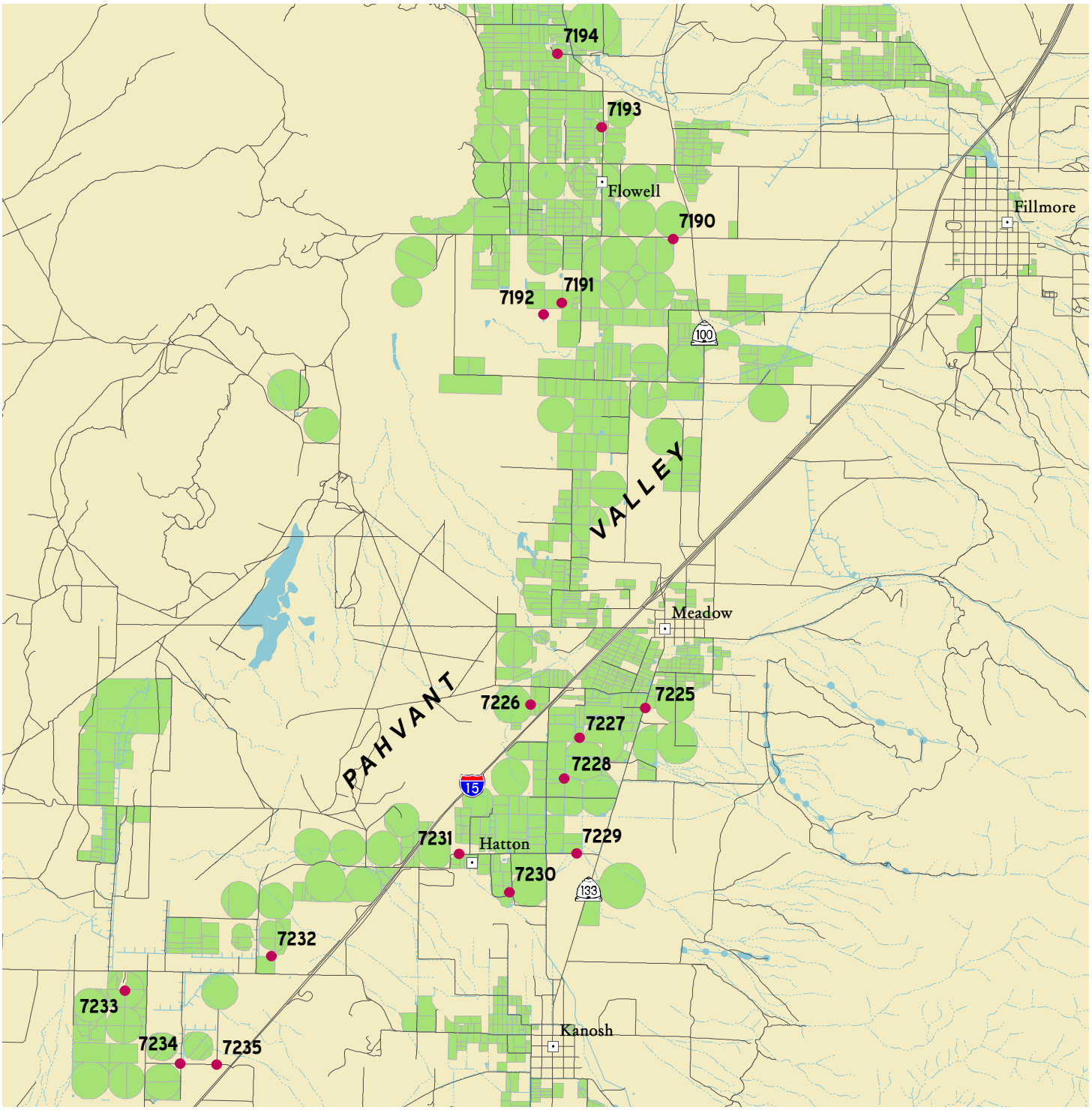
Map Scale 1:126,720 (1 inch = 2 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



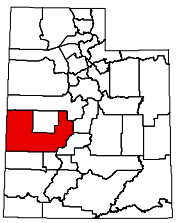
Map 23. Millard County District - Pahvant Valley South



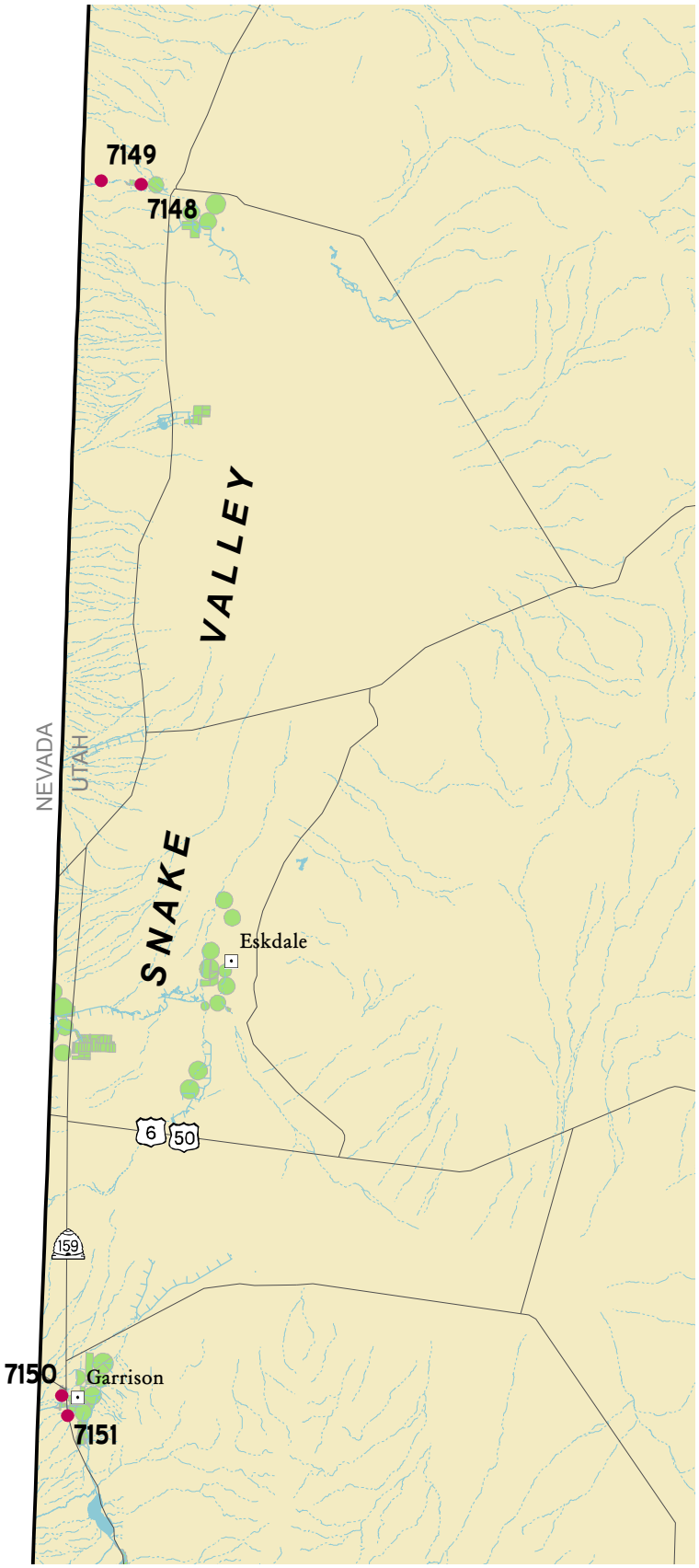
Map Scale 1:126,720 (1 inch = 2 miles)

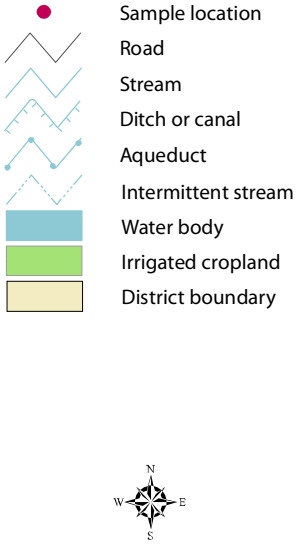
Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location

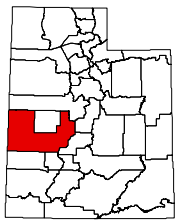


Map 24. Millard County District - Snake Valley Area





District Location



Map Scale 1:332,640 (1 inch = 5.25 miles)

Piute County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7355	10/17/2007	ND	ND	52.3 F (11.3 C)	505	328.0	0.800	216.6	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
2	7356	10/17/2007	ND	ND	59.0 F (15.0 C)	496	313.0	0.800	216.0	Well	Gravel	Gravel	Steel	Sealed	✔	✔					
3	7357	10/17/2007	POS	ND	55.8 F (13.2 C)	280	178.0	0.600	111.9	Well	Vegetated	Pit Concrete	Steel	Sealed	✔	✔					
4	7358	10/17/2007	ND	ND	56.8 F (13.8 C)	257	167.0	0.700	101.1	Well	Cobble	Gravel	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			1	0																	

ND - Not Detected

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7355	10/19/2007	ND	0.0333	ND	65.2776	ND	ND	ND	0.0011	0.0199	ND	ND	158.2170	2.7618	0.0099	12.9600
2	7356	10/19/2007	ND	0.0411	ND	64.9879	ND	ND	ND	0.0011	0.0185	ND	ND	156.5660	2.7232	0.0127	12.9934
3	7357	10/19/2007	ND	0.0326	ND	33.1423	ND	ND	ND	0.0006	0.0156	ND	ND	162.6100	3.8776	0.0036	7.0541
4	7358	10/19/2007	ND	0.0306	ND	29.9607	ND	ND	ND	0.0007	0.0101	ND	ND	153.3560	3.7482	0.0035	6.3514
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7355	10/19/2007	0.0003	0.0009	27.4089	ND	ND	ND	0.8000	ND	328.0000	0.0044	0.0289
2	7356	10/19/2007	0.0005	0.0012	27.2627	ND	ND	ND	0.8000	ND	313.0000	0.0073	0.0170
3	7357	10/19/2007	0.0014	0.0005	15.5177	ND	ND	ND	0.6000	ND	178.0000	0.0077	0.0110
4	7358	10/19/2007	ND	0.0006	15.0471	ND	ND	ND	0.7000	ND	167.0000	0.0101	0.0183
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	4	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7355	10/19/2007	ND	0.0041	0.0333	ND	ND	ND	0.0011	0.0199	ND	ND	ND	ND	7.2300	ND	115.0419	328.0000	0.0289
2	7356	10/19/2007	ND	0.0058	0.0411	ND	ND	ND	0.0011	0.0185	ND	ND	ND	ND	7.2700	ND	102.3189	313.0000	0.0170
3	7357	10/19/2007	ND	0.0030	0.0326	ND	ND	ND	0.0006	0.0156	ND	ND	ND	ND	7.7000	ND	ND	178.0000	0.0110
4	7358	10/19/2007	ND	0.0034	0.0306	ND	ND	ND	0.0007	0.0101	ND	ND	ND	ND	7.6900	ND	ND	167.0000	0.0183
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

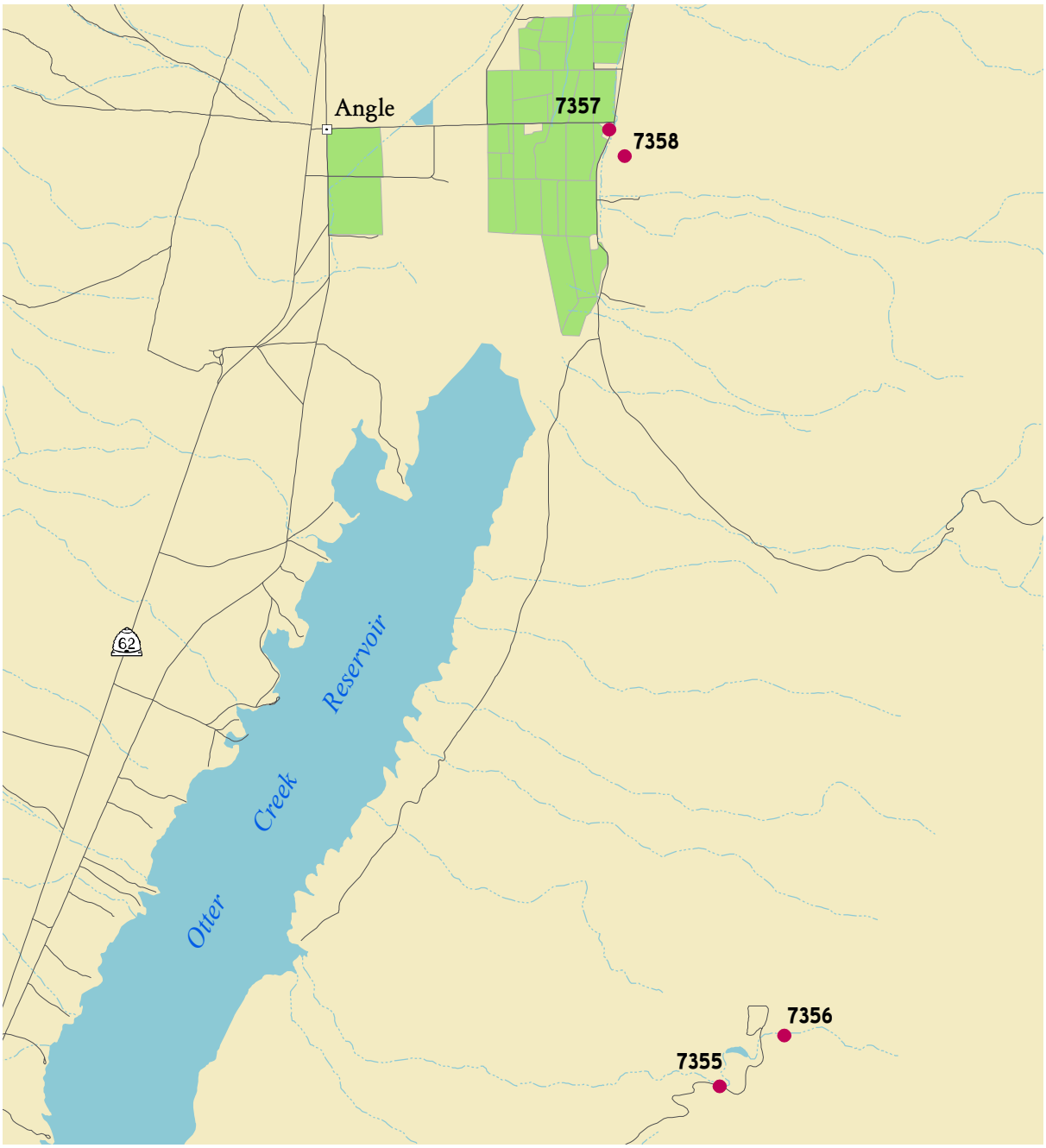
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7355	10/19/2007	0.0041	0.0040	ND	ND	ND	0.0011	0.0199	ND	ND	27.4089	ND	ND	ND	ND	115.0419	328.0000
2	7356	10/19/2007	0.0058	0.0038	ND	ND	ND	0.0011	0.0185	ND	ND	27.2627	ND	ND	ND	ND	102.3189	313.0000
3	7357	10/19/2007	0.0030	0.0156	ND	ND	ND	0.0006	0.0156	ND	ND	15.5177	ND	ND	ND	ND	ND	178.0000
4	7358	10/19/2007	0.0034	0.0103	ND	ND	ND	0.0007	0.0101	ND	ND	15.0471	ND	ND	ND	ND	ND	167.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7355	10/19/2007	ND	ND	ND	0.0199	ND	ND	216.6000	0.0003	7.2300	20.8014	115.0419	328.0000	0.0289
2	7356	10/19/2007	ND	ND	ND	0.0185	ND	ND	216.0000	0.0005	7.2700	20.6457	102.3189	313.0000	0.0170
3	7357	10/19/2007	ND	ND	ND	0.0156	ND	ND	111.9000	0.0014	7.7000	23.7960	ND	178.0000	0.0110
4	7358	10/19/2007	ND	ND	ND	0.0101	ND	ND	101.1000	ND	7.6900	24.2871	ND	167.0000	0.0183
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	0	0	0	0	2	0

ND - Not Detected

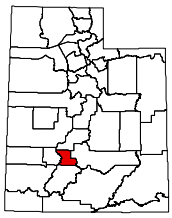
Map 25. Piute County District



Map Scale 1:50,000 (1 inch = 0.8 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Sanpete County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7261	8/14/2007	ND	ND	55.0 F (12.8 C)	1247	780.0	3.500	362.0	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
2	7262	8/14/2007	POS	ND	59.0 F (15.0 C)	1003	630.0	2.200	386.8	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
3	7263	8/14/2007	ND	ND	61.9 F (16.6 C)	997	696.0	0.700	559.8	Well	Gravel	Gravel	Steel	Sealed	✔	✔					
4	7264	8/14/2007	ND	ND	56.1 F (13.4 C)	1195	744.0	8.500	143.2	Well	Clean	Soil	PVC	Sealed	✔	✔					
5	7265	8/14/2007	ND	ND	55.9 F (13.3 C)	1564	1077.	3.300	576.5	Well	Gravel	Gravel	Steel	Sealed	✔	✔					
6	7266	8/14/2007	ND	ND	57.6 F (14.2 C)	1455	1019.	3.600	518.2	Well	Vegetated	Lawn	PVC	Sealed	✔	✔					
7	7267	8/14/2007	ND	ND	60.3 F (15.7 C)	769	463.0	0.800	384.0	Well	Vegetated	Soil	PVC	Sealed	✔	✔					
8	7268	8/14/2007	POS	ND	57.4 F (14.1 C)	1502	1043.	4.300	490.8	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
9	7269	8/14/2007	ND	ND	59.2 F (15.1 C)	1564	1038.	9.300	209.3	Well	Vegetated	Inside Garage	Steel	Sealed	✔	✔					
10	7270	8/14/2007	ND	ND	57.6 F (14.2 C)	1408	924.0	49.10	10.70	Well	Clay Soil	Soil	Steel	Sealed	✔	✔					
11	7271	8/14/2007	ND	ND	56.8 F (13.8 C)	1120	746.0	50.80	5.400	Well	Gravel	Gravel	Steel	Sealed	✔	✔					
12	7272	8/14/2007	ND	ND	57.9 F (14.4 C)	833	538.0	6.900	107.4	Well	Livestock	Soil	Steel	Piping	✔	✔					
13	7273	8/14/2007	ND	ND	53.4 F (11.9 C)	1282	788.0	50.60	6.100	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
14	7274	8/14/2007	ND	ND	66.2 F (19.0 C)	776	501.0	8.200	73.90	Well	Vegetated	Soil	Steel	Piping	✔	✔					
15	7275	8/14/2007	POS	ND	56.1 F (13.4 C)	1813	1538.	4.400	608.2	Well	Vegetated	Lawn	Steel	Open	✔	✔					
16	7276	8/14/2007	ND	ND	55.2 F (12.9 C)	797	540.0	1.100	399.6	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
17	7277	8/14/2007	ND	ND	57.4 F (14.1 C)	7890	6765	375.3	1465.	Well	Clay Soil	Soil	Steel	Subsidence	✔	✔					
18	7314	9/18/2007	ND	ND	53.6 F (12.0 C)	735	440.0	0.600	378.9	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**3**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7261	8/27/2007	ND	0.2197	ND	59.1626	220.2851	ND	ND	0.0036	0.0182	ND	ND	363.1230	1.3240	0.0455	51.9659
2	7262	8/27/2007	ND	0.1914	ND	53.4956	113.7585	ND	ND	0.0059	0.0038	1.4243	0.0184	436.3540	2.8590	0.0831	61.4265
3	7263	8/27/2007	ND	0.0734	ND	134.3322	101.4029	0.0003	ND	0.0043	0.0028	ND	ND	345.3900	2.0401	0.0331	54.3628
4	7264	8/27/2007	ND	0.5656	ND	20.8647	207.5681	ND	ND	0.0047	0.0078	1.4618	ND	351.8950	1.3577	0.0773	22.0889
5	7265	8/27/2007	ND	0.2714	ND	104.4782	305.3262	0.0028	ND	0.0074	0.0174	ND	ND	505.8980	2.1171	0.0496	76.5370
6	7266	8/27/2007	ND	0.1760	ND	85.5742	252.4407	0.0003	ND	0.0056	0.0114	ND	ND	381.5190	2.5826	0.0966	73.8415
7	7267	8/27/2007	ND	0.1037	ND	55.5725	96.1612	ND	ND	0.0055	0.0173	ND	ND	320.1830	2.9203	0.0524	59.4906
8	7268	8/27/2007	ND	0.2219	ND	76.6289	232.4364	ND	ND	0.0068	0.0072	ND	ND	425.8510	2.4908	0.1012	72.6325
9	7269	8/27/2007	ND	0.1908	ND	31.5832	287.9338	ND	ND	0.0035	0.0063	ND	ND	336.2640	1.7050	0.1319	31.6388
10	7270	8/27/2007	ND	0.4381	ND	1.8333	111.1267	ND	59.7839	0.0048	0.0063	ND	0.0366	541.8270	1.2771	0.1173	1.4765
11	7271	8/27/2007	ND	0.3814	ND	1.0935	61.6954	ND	112.0930	0.0039	0.0084	ND	ND	442.7280	0.8615	0.0998	0.6417
12	7272	8/27/2007	ND	0.0796	ND	19.0285	54.6121	ND	ND	0.0030	0.0129	ND	ND	417.4730	1.0702	0.0476	14.5151
13	7273	8/27/2007	ND	1.1630	ND	1.2938	151.4887	ND	65.6005	0.0027	0.0038	3.2428	0.0276	371.0920	0.7766	0.0914	0.6920
14	7274	8/27/2007	ND	1.4910	ND	11.5035	23.3633	ND	10.0738	0.0033	0.0021	1.8213	ND	426.7810	5.5191	0.1330	10.9514
15	7275	8/27/2007	ND	1.2870	ND	122.2657	245.7868	ND	ND	0.0022	0.0025	ND	0.0615	254.6230	7.3530	0.4977	73.4372
16	7276	8/27/2007	ND	0.1621	ND	68.9260	29.0608	0.0007	ND	0.0033	0.0310	ND	ND	415.1420	2.5451	0.0583	55.1688
17	7277	8/27/2007	0.2550	ND	ND	343.8046	33136.090	ND	ND	ND	ND	ND	0.1496	226.3700	67.3971	ND	146.9941
18	7314	9/20/2007	ND	0.0664	ND	71.4490	61.5867	0.0011	ND	0.0430	0.0149	ND	0.0179	304.2310	2.6581	0.0803	48.6132
Test Count that Exceeded Standard			0	4	0	0	13	0	0	0	0	1	0	18	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7261	8/27/2007	0.0009	0.0023	152.9676	ND	ND	ND	3.5000	0.0043	780.0000	0.0027	0.0098
2	7262	8/27/2007	0.0020	0.0026	99.1326	ND	ND	ND	2.2000	0.0135	630.0000	ND	0.0022
3	7263	8/27/2007	0.0217	0.0007	40.5196	0.0007	ND	ND	0.7000	ND	696.0000	ND	0.0304
4	7264	8/27/2007	ND	0.0050	234.7365	ND	ND	ND	8.5000	ND	744.0000	0.0087	0.0669
5	7265	8/27/2007	0.0026	0.0011	183.5305	0.0075	ND	ND	3.3000	0.0056	1077.0000	0.0080	0.0264
6	7266	8/27/2007	0.0037	0.0024	188.4217	0.0011	ND	ND	3.6000	0.0041	1019.0000	0.0029	0.0058
7	7267	8/27/2007	0.0015	0.0093	35.3659	0.0009	ND	ND	0.8000	ND	463.0000	ND	0.0092
8	7268	8/27/2007	0.0123	0.0028	219.2512	ND	ND	ND	4.3000	ND	1043.0000	0.0022	0.1761
9	7269	8/27/2007	0.0115	0.0014	308.2821	ND	ND	ND	9.3000	ND	1038.0000	ND	0.0246
10	7270	8/27/2007	0.0006	0.0041	368.5559	ND	ND	ND	49.1000	ND	924.0000	ND	0.0073
11	7271	8/27/2007	0.0003	0.0024	270.7366	ND	ND	ND	50.8000	ND	746.0000	0.0029	0.0029
12	7272	8/27/2007	0.0005	0.0013	163.6846	ND	ND	ND	6.9000	0.0051	538.0000	0.0053	0.4612
13	7273	8/27/2007	0.0035	0.0026	286.5486	ND	ND	ND	50.6000	0.0105	788.0000	ND	0.0045
14	7274	8/27/2007	0.0075	ND	161.8483	ND	ND	ND	8.2000	0.0147	501.0000	ND	ND
15	7275	8/27/2007	0.0074	0.0048	247.2930	0.0007	ND	ND	4.4000	0.0477	1538.0000	ND	0.0060
16	7276	8/27/2007	0.0246	1.2740	49.9685	0.0044	ND	ND	1.1000	0.0051	540.0000	0.0026	0.0257
17	7277	8/27/2007	ND	ND	33008.170	ND	ND	ND	375.3000	ND	67659.000	ND	ND
18	7314	9/20/2007	0.0249	0.0193	26.1177	0.0645	0.0013	ND	0.6000	ND	440.0000	ND	0.2243
Test Count that Exceeded Standard:			0	2	14	0	0	0	13	1	18	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7261	8/27/2007	ND	0.0101	0.2197	ND	ND	ND	0.0036	0.0182	ND	ND	ND	ND	8.1900	0.0043	98.7825	780.0000	0.0098
2	7262	8/27/2007	ND	ND	0.1914	ND	ND	ND	0.0059	0.0038	1.4243	0.8552	ND	ND	7.9300	0.0135	77.6588	630.0000	0.0022
3	7263	8/27/2007	ND	ND	0.0734	ND	ND	0.0003	0.0043	0.0028	ND	ND	ND	ND	8.0100	ND	182.6690	696.0000	0.0304
4	7264	8/27/2007	ND	0.0076	0.5656	ND	ND	ND	0.0047	0.0078	1.4618	ND	ND	ND	8.2000	ND	73.1600	744.0000	0.0669
5	7265	8/27/2007	ND	0.0089	0.2714	ND	ND	0.0028	0.0074	0.0174	ND	ND	41.8733	ND	8.0100	0.0056	97.2653	1077.0000	0.0264
6	7266	8/27/2007	ND	0.0023	0.1760	ND	ND	0.0003	0.0056	0.0114	ND	ND	ND	ND	8.0200	0.0041	215.7237	1019.0000	0.0058
7	7267	8/27/2007	ND	ND	0.1037	ND	ND	ND	0.0055	0.0173	ND	ND	ND	ND	7.9300	ND	50.7664	463.0000	0.0092
8	7268	8/27/2007	ND	ND	0.2219	ND	ND	ND	0.0068	0.0072	ND	ND	ND	ND	7.9000	ND	218.2757	1043.0000	0.1761
9	7269	8/27/2007	ND	ND	0.1908	ND	ND	ND	0.0035	0.0063	ND	ND	ND	ND	8.2000	ND	201.9407	1038.0000	0.0246
10	7270	8/27/2007	ND	ND	0.4381	ND	ND	ND	0.0048	0.0063	ND	ND	ND	ND	8.8300	ND	105.5773	924.0000	0.0073
11	7271	8/27/2007	ND	0.0115	0.3814	ND	ND	ND	0.0039	0.0084	ND	ND	ND	ND	9.1900	ND	65.5910	746.0000	0.0029
12	7272	8/27/2007	ND	0.0059	0.0796	ND	ND	ND	0.0030	0.0129	ND	ND	ND	ND	8.2200	0.0051	59.2633	538.0000	0.4612
13	7273	8/27/2007	ND	0.0145	1.1630	ND	ND	ND	0.0027	0.0038	3.2428	ND	ND	ND	9.0200	0.0105	92.4827	788.0000	0.0045
14	7274	8/27/2007	ND	ND	1.4910	ND	ND	ND	0.0033	0.0021	1.8213	0.6843	ND	ND	8.4600	0.0147	57.5054	501.0000	ND
15	7275	8/27/2007	ND	ND	1.2870	ND	ND	ND	0.0022	0.0025	ND	ND	133.1404	ND	7.8700	0.0477	578.1984	1538.0000	0.0060
16	7276	8/27/2007	ND	0.0857	0.1621	ND	ND	0.0007	0.0033	0.0310	ND	ND	9.9911	ND	7.9100	0.0051	110.1401	540.0000	0.0257
17	7277	8/27/2007	0.2550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7500	ND	841.9980	67659.000	ND
18	7314	9/20/2007	ND	ND	0.0664	ND	ND	0.0011	0.0430	0.0149	ND	ND	ND	0.0013	7.4500	ND	63.9267	440.0000	0.2243
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	1	0	0	0	4	0	6	6	0

ND - Not Detected

Culinary:

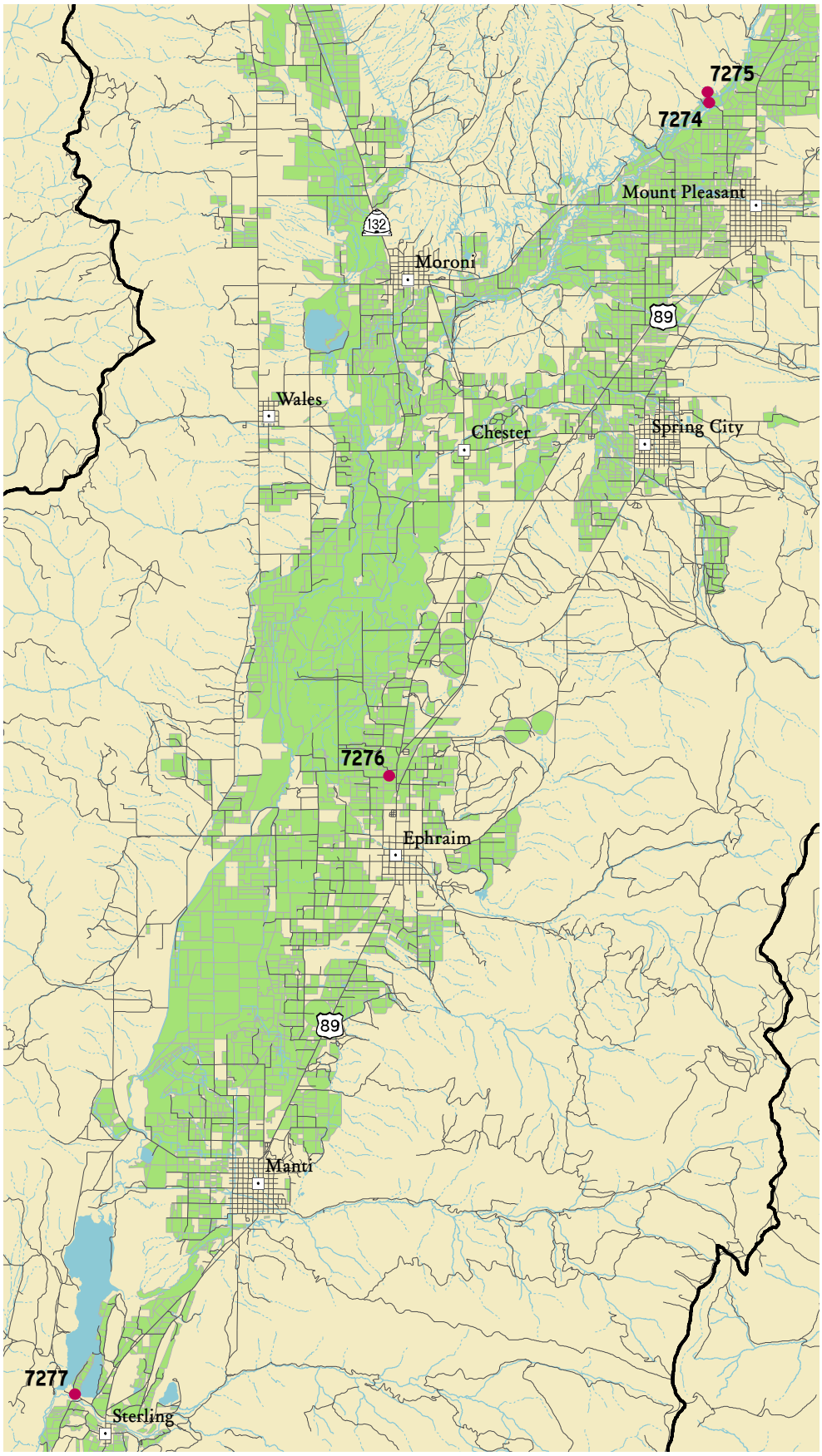
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7261	8/27/2007	0.0101	0.1590	ND	ND	ND	0.0036	0.0182	ND	ND	152.9676	ND	ND	ND	0.0043	98.7825	780.0000
2	7262	8/27/2007	ND	0.1333	ND	ND	ND	0.0059	0.0038	1.4243	0.8552	99.1326	ND	ND	ND	0.0135	77.6588	630.0000
3	7263	8/27/2007	ND	0.0222	ND	ND	ND	0.0043	0.0028	ND	ND	40.5196	0.0007	ND	ND	ND	182.6690	696.0000
4	7264	8/27/2007	0.0076	0.0866	ND	ND	ND	0.0047	0.0078	1.4618	ND	234.7365	ND	ND	ND	ND	73.1600	744.0000
5	7265	8/27/2007	0.0089	0.0892	ND	ND	ND	0.0074	0.0174	ND	ND	183.5305	0.0075	41.8733	ND	0.0056	97.2653	1077.0000
6	7266	8/27/2007	0.0023	0.0313	ND	ND	ND	0.0056	0.0114	ND	ND	188.4217	0.0011	ND	ND	0.0041	215.7237	1019.0000
7	7267	8/27/2007	ND	0.0834	ND	ND	ND	0.0055	0.0173	ND	ND	35.3659	0.0009	ND	ND	ND	50.7664	463.0000
8	7268	8/27/2007	ND	0.0444	ND	ND	ND	0.0068	0.0072	ND	ND	219.2512	ND	ND	ND	ND	218.2757	1043.0000
9	7269	8/27/2007	ND	0.0301	ND	ND	ND	0.0035	0.0063	ND	ND	308.2821	ND	ND	ND	ND	201.9407	1038.0000
10	7270	8/27/2007	ND	0.0503	ND	ND	ND	0.0048	0.0063	ND	ND	368.5559	ND	ND	ND	ND	105.5773	924.0000
11	7271	8/27/2007	0.0115	0.0298	ND	ND	ND	0.0039	0.0084	ND	ND	270.7366	ND	ND	ND	ND	65.5910	746.0000
12	7272	8/27/2007	0.0059	0.1567	ND	ND	ND	0.0030	0.0129	ND	ND	163.6846	ND	ND	ND	0.0051	59.2633	538.0000
13	7273	8/27/2007	0.0145	0.0275	ND	ND	ND	0.0027	0.0038	3.2428	ND	286.5486	ND	ND	ND	0.0105	92.4827	788.0000
14	7274	8/27/2007	ND	0.1541	ND	ND	ND	0.0033	0.0021	1.8213	0.6843	161.8483	ND	ND	ND	0.0147	57.5054	501.0000
15	7275	8/27/2007	ND	0.0114	ND	ND	ND	0.0022	0.0025	ND	ND	247.2930	0.0007	133.1404	ND	0.0477	578.1984	1538.0000
16	7276	8/27/2007	0.0857	0.0560	ND	ND	ND	0.0033	0.0310	ND	ND	49.9685	0.0044	9.9911	ND	0.0051	110.1401	540.0000
17	7277	8/27/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	33008.170	ND	ND	ND	ND	841.9980	67659.000
18	7314	9/20/2007	ND	0.0973	ND	ND	ND	0.0430	0.0149	ND	ND	26.1177	0.0645	ND	0.0013	ND	63.9267	440.0000
Test Count that Exceeded Standard			4	0	0	0	0	0	0	0	0	1	0	1	0	0	2	1

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7261	8/27/2007	ND	ND	220.2851	0.0182	ND	ND	362.0000	0.0009	8.1900	13.8544	98.7825	780.0000	0.0098
2	7262	8/27/2007	ND	ND	113.7585	0.0038	1.4243	0.0184	386.8000	0.0020	7.9300	5.9301	77.6588	630.0000	0.0022
3	7263	8/27/2007	ND	ND	101.4029	0.0028	ND	ND	559.8000	0.0217	8.0100	9.7491	182.6690	696.0000	0.0304
4	7264	8/27/2007	0.0004	ND	207.5681	0.0078	1.4618	ND	143.2000	ND	8.2000	7.8841	73.1600	744.0000	0.0669
5	7265	8/27/2007	ND	ND	305.3262	0.0174	ND	ND	576.5000	0.0026	8.0100	15.9804	97.2653	1077.0000	0.0264
6	7266	8/27/2007	ND	ND	252.4407	0.0114	ND	ND	518.2000	0.0037	8.0200	8.9175	215.7237	1019.0000	0.0058
7	7267	8/27/2007	ND	ND	96.1612	0.0173	ND	ND	384.0000	0.0015	7.9300	4.7159	50.7664	463.0000	0.0092
8	7268	8/27/2007	ND	ND	232.4364	0.0072	ND	ND	490.8000	0.0123	7.9000	8.8554	218.2757	1043.0000	0.1761
9	7269	8/27/2007	ND	ND	287.9338	0.0063	ND	ND	209.3000	0.0115	8.2000	6.5376	201.9407	1038.0000	0.0246
10	7270	8/27/2007	ND	ND	111.1267	0.0063	ND	0.0366	10.7000	0.0006	8.8300	6.2342	105.5773	924.0000	0.0073
11	7271	8/27/2007	ND	ND	61.6954	0.0084	ND	ND	5.4000	0.0003	9.1900	6.8145	65.5910	746.0000	0.0029
12	7272	8/27/2007	ND	ND	54.6121	0.0129	ND	ND	107.4000	0.0005	8.2200	14.2287	59.2633	538.0000	0.4612
13	7273	8/27/2007	ND	ND	151.4887	0.0038	3.2428	0.0276	6.1000	0.0035	9.0200	3.7422	92.4827	788.0000	0.0045
14	7274	8/27/2007	ND	ND	23.3633	0.0021	1.8213	ND	73.9000	0.0075	8.4600	9.0990	57.5054	501.0000	ND
15	7275	8/27/2007	ND	ND	245.7868	0.0025	ND	0.0615	608.2000	0.0074	7.8700	5.1225	578.1984	1538.0000	0.0060
16	7276	8/27/2007	ND	ND	29.0608	0.0310	ND	ND	399.6000	0.0246	7.9100	9.6542	110.1401	540.0000	0.0257
17	7277	8/27/2007	ND	0.2550	33136.090	ND	ND	0.1496	1465.1000	ND	7.7500	2.5934	841.9980	67659.000	ND
18	7314	9/20/2007	0.0007	ND	61.5867	0.0149	ND	0.0179	378.9000	0.0249	7.4500	14.8090	63.9267	440.0000	0.2243
Test Count that Exceeded Standard:			0	0	4	0	1	0	15	0	3	0	2	18	0

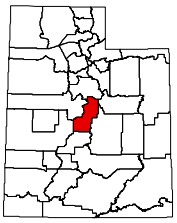
ND - Not Detected

Map 26. Sanpete County District - Ephraim Area



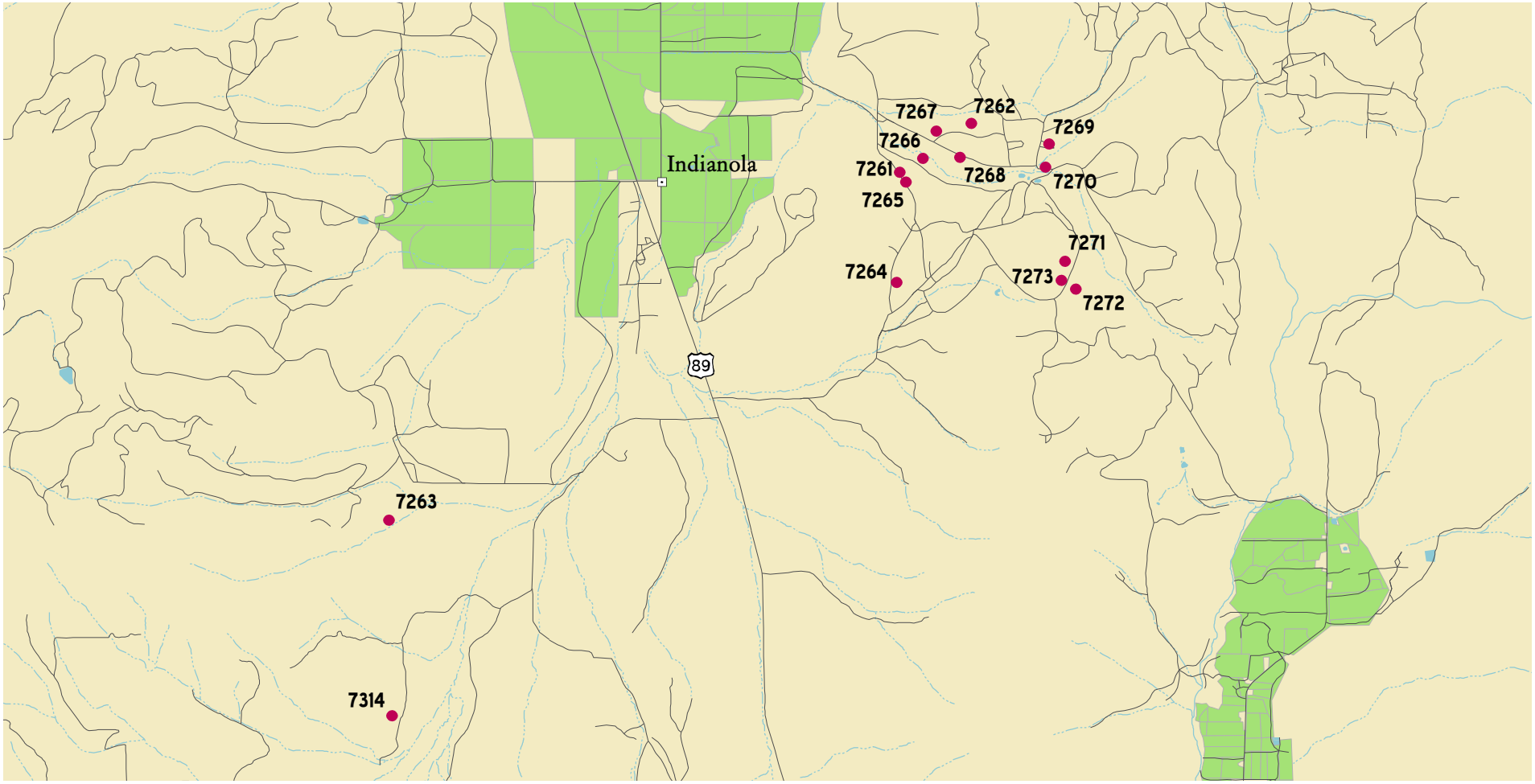
Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Map Scale 1:200,000 (1 inch = 3.2 miles)

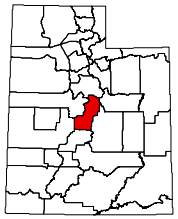
Map 27. Sanpete County District - Indianola Area



Map Scale 1:57,024 (1 inch = 0.9 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Sevier County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7077	5/15/2007	ND	ND	57.6 F (14.2 C)	511	320.0	3.600	99.40	Well	Clean	Soil	PVC	Sealed	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7077	5/23/2007	ND	0.2336	ND	13.1886	14.9098	ND	ND	0.0015	0.0082	ND	ND	257.1210	1.5466	0.0226	16.1165
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7077	5/23/2007	0.0002	0.0041	82.9136	ND	ND	ND	3.6000	ND	320.0000	0.0498	0.0104
Test Count that Exceeded Standard:			0	0	1	0	0	0	1	0	1	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7077	5/23/2007	ND	0.0332	0.2336	ND	ND	ND	0.0015	0.0082	ND	ND	ND	ND	8.2600	ND	46.3852	320.0000	0.0104
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards

	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
1	7077	5/23/2007	0.0332	0.0215	ND	ND	ND	0.0015	0.0082	ND	ND	82.9136	ND	ND	ND	ND	46.3852	320.0000
Test Count that Exceeded Standard			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

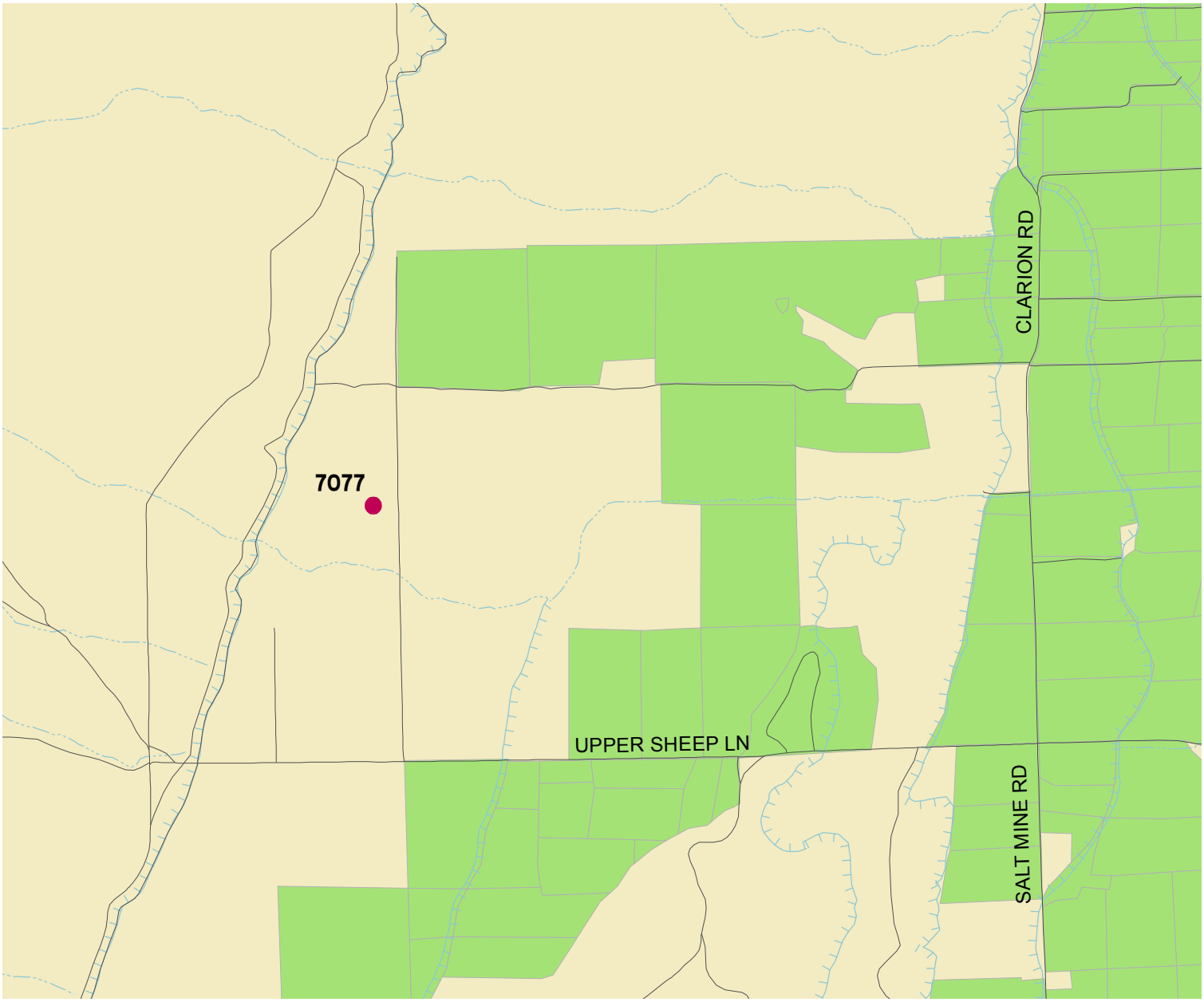
ND - Not Detected

Drinking Water Secondary Standards:

	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
1	7077	5/23/2007	ND	ND	14.9098	0.0082	ND	ND	99.4000	0.0002	8.2600	16.8902	46.3852	320.0000	0.0104
Test Count that Exceeded Standard:			0	0	0	0	0	0	1	0	0	0	0	1	0

ND - Not Detected

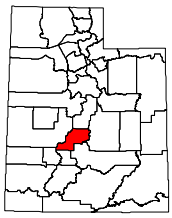
Map 28. Sevier County District



Map Scale 1:19,008 (1 inch = 0.30 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 5 (Beaver, Iron, Kane, and Washington counties and most of Garfield County)

One hundred and thirty-four (134) sites were sampled in the seven (7) Soil Conservation Districts in Zone 5 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: nineteen (19) in Beaver, seventeen (17) in Canyonlands, twenty-one (21) in Dixie, forty-nine (49) in E and I, fifteen (15) in Kane County, nine (9) in Twin M, and four (4) in Upper Sevier districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 5. The next four columns summarize the number of tests which exceeded the standard for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 5 Statistical Report
For the Samples Collected Between: 3/5/2007 And 11/26/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Beaver	19	760	5	37	52	6
Canyonlands	17	680	6	37	39	4
Dixie	21	840	11	65	78	27
E and I	49	1960	5	107	119	7
Kane County	15	600	5	46	45	9
Twin M	9	360	2	24	25	8
Upper Sevier	4	160	0	7	7	0
Zone Totals:	**134**	**5360**	**34**	**323**	**365**	**61**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the *Water quality for agriculture 29 Revision 1*, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Beaver District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7175	7/10/2007	ND	ND	54.9 F (12.7 C)	616	327.0	0.600	251.8	Well	Vegetated	Covered	PVC	Sealed	✔	✔					
2	7176	7/10/2007	POS	ND	54.7 F (12.6 C)	569	312.0	0.700	239.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
3	7177	7/10/2007	ND	ND	68.9 F (20.5 C)	236	150.0	0.300	100.7	Well	Clean	Soil	Steel	Sealed	✔	✔					
4	7178	7/10/2007	POS	ND	44.8 F (7.1 C)	108	83.00	0.200	35.50	Spring	Vegetated	Natural	PVC	Open	✔	✔			✔		
5	7179	7/10/2007	POS	ND	57.2 F (14.0 C)	230	153.0	0.300	97.10	Well	Clean	Well House	Steel	Sealed	✔	✔					
6	7180	7/10/2007	ND	ND	54.9 F (12.7 C)	341	217.0	0.500	147.9	Well	Clean	Gravel	Steel	Sealed	✔	✔					
7	7181	7/10/2007	POS	POS	64.0 F (17.8 C)	315	202.0	0.300	146.3	Spring	Livestock	Pit Concrete	Steel	Open	✔	✔					
8	7182	7/10/2007	ND	ND	53.2 F (11.8 C)	390	230.0	0.500	170.1	Well	Clean	Well House	Steel	Sealed	✔	✔					
9	7183	7/10/2007	ND	ND	63.1 F (17.3 C)	531	324.0	1.900	143.0	Flowing Well	Livestock	Well House	Steel	Open	✔	✔					
10	7184	7/10/2007	POS	ND	55.6 F (13.1 C)	678	392.0	4.200	109.9	Well	Clean	Well House	Steel	Sealed	✔	✔					
11	7185	7/10/2007	ND	ND	59.4 F (15.2 C)	324	208.0	1.200	82.60	Well	Clean	Well House	Steel	Sealed	✔	✔					
12	7186	7/10/2007	POS	ND	59.4 F (15.2 C)	784	458.0	13.50	26.90	Well	Clean	Pit Concrete	Steel	Sealed	✔	✔					
13	7187	7/10/2007	ND	ND	57.2 F (14.0 C)	850	480.0	1.800	264.9	Well	Clean	Well House	Steel	Sealed	✔	✔					
14	7188	7/10/2007	ND	ND	60.3 F (15.7 C)	1555	1094.	2.200	645.3	Well	Clean	Soil	Steel	Open	✔	✔					
15	7189	7/10/2007	ND	ND	56.8 F (13.8 C)	1547	1002.	3.400	490.3	Well	Livestock	Well House	Steel	Sealed	✔	✔					
16	7195	7/18/2007	ND	ND	57.0 F (13.9 C)	379	208.0	0.800	110.5	Well	Gravel	Gravel	Steel	Subsidence		✔					
17	7196	7/18/2007	ND	ND	55.8 F (13.2 C)	451	210.0	1.000	103.0	Flowing Well	Livestock	Pit Concrete	Steel	Sealed	✔	✔					
18	7197	7/18/2007	POS	ND	61.2 F (16.2 C)	238	158.0	0.600	82.20	Well	Livestock	Well House	PVC	Sealed	✔	✔					
19	7359	10/17/2007	ND	ND	53.8 F (12.1 C)	254	157.0	0.600	94.90	Flowing Well	Clean	Well House	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			7	1	ND - Not Detected																

rrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7175	7/12/2007	ND	0.0439	ND	75.5458	38.4692	ND	ND	0.0017	0.0095	ND	ND	251.9940	2.2221	0.0088	15.2642
2	7176	7/12/2007	ND	0.0506	ND	70.6559	40.2501	ND	ND	0.0013	0.0114	ND	ND	222.1680	2.0460	0.0129	15.1439
3	7177	7/12/2007	ND	0.0160	ND	29.6100	ND	ND	ND	0.0008	0.0038	ND	0.0106	112.5180	1.0812	0.0069	6.4692
4	7178	7/12/2007	ND	0.0114	ND	8.8137	ND	ND	ND	0.0007	0.0032	ND	ND	68.8424	1.4166	ND	3.2768
5	7179	7/12/2007	ND	0.0170	ND	26.9408	12.6818	ND	ND	0.0009	0.0060	ND	0.0283	125.1190	2.9177	0.0037	7.2192
6	7180	7/12/2007	ND	0.0268	ND	42.5842	13.2814	ND	ND	0.0016	0.0059	ND	ND	186.1950	3.4049	0.0070	10.0501
7	7181	7/12/2007	ND	0.0259	ND	41.6842	12.2424	ND	ND	0.0019	0.0072	ND	ND	177.8780	2.5665	0.0052	10.2197
8	7182	7/12/2007	ND	0.0375	ND	50.6809	19.5211	ND	ND	0.0008	0.0112	ND	ND	170.0220	1.7313	0.0066	10.5253
9	7183	7/12/2007	ND	0.1401	ND	44.8531	21.4749	ND	ND	0.0016	0.0142	ND	ND	208.9310	8.4922	0.0221	7.4947
10	7184	7/12/2007	ND	0.2678	ND	33.7275	27.0441	ND	ND	0.0014	0.0063	1.9256	0.0877	247.9270	6.2600	0.0221	6.2068
11	7185	7/12/2007	ND	0.0766	ND	26.4722	11.9750	ND	ND	0.0006	0.0036	ND	0.0281	133.3390	7.5556	0.0211	3.9777
12	7186	7/13/2007	ND	0.3990	ND	8.8744	19.5894	ND	21.9463	0.0010	0.0077	3.1209	ND	210.8850	4.0911	0.0053	1.1345
13	7187	7/12/2007	ND	0.1800	ND	74.5545	72.1694	ND	ND	0.0012	0.0077	ND	ND	309.9370	5.2839	0.0147	19.0643
14	7188	7/12/2007	ND	0.5980	ND	170.2395	173.4089	ND	ND	0.0023	0.0067	ND	ND	320.3300	7.7669	0.0377	53.3209
15	7189	7/12/2007	ND	0.9088	ND	110.4968	93.7120	ND	ND	0.0028	0.0085	ND	ND	430.2590	11.3078	0.0535	51.9595
16	7195	7/20/2007	ND	0.0457	ND	32.4820	14.5166	ND	ND	0.0022	0.0102	ND	ND	156.9530	4.8367	0.0105	7.1004
17	7196	7/20/2007	ND	0.0531	ND	32.4439	14.8178	ND	ND	0.0020	0.0089	ND	ND	151.8720	6.5543	0.0123	5.3224
18	7197	7/20/2007	ND	0.0322	ND	23.1702	ND	ND	ND	0.0031	0.0087	ND	ND	135.2870	3.0969	0.0047	5.9038
19	7359	10/19/2007	ND	0.0313	ND	27.6680	ND	ND	ND	0.0014	0.0088	ND	0.1913	135.2640	3.5730	0.0057	6.2456
Test Count that Exceeded Standard			0	2	0	0	3	0	0	0	0	1	0	18	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7175	7/12/2007	0.0010	ND	20.9593	0.0011	ND	ND	0.6000	ND	327.0000	ND	0.0975
2	7176	7/12/2007	0.0024	ND	25.0429	0.0042	ND	ND	0.7000	ND	312.0000	ND	0.6408
3	7177	7/12/2007	0.0037	ND	8.0261	ND	ND	ND	0.3000	ND	150.0000	ND	0.0193
4	7178	7/12/2007	ND	ND	3.1652	ND	ND	ND	0.2000	ND	83.0000	0.0033	0.0028
5	7179	7/12/2007	0.0243	ND	7.5632	ND	ND	ND	0.3000	ND	153.0000	0.0023	0.0524
6	7180	7/12/2007	0.0005	0.0006	12.9223	ND	ND	ND	0.5000	ND	217.0000	0.0031	0.0110
7	7181	7/12/2007	0.0003	0.0005	9.4209	ND	ND	ND	0.3000	ND	202.0000	0.0033	0.0033
8	7182	7/12/2007	0.0004	0.0007	14.0354	ND	ND	ND	0.5000	ND	230.0000	ND	0.0072
9	7183	7/12/2007	ND	0.0134	53.5016	ND	ND	ND	1.9000	ND	324.0000	0.0030	0.0117
10	7184	7/12/2007	0.0453	0.0226	101.6208	ND	ND	ND	4.2000	ND	392.0000	ND	0.0057
11	7185	7/12/2007	0.0507	0.0083	25.6077	ND	ND	ND	1.2000	ND	208.0000	ND	0.0048
12	7186	7/13/2007	0.0066	0.0348	160.5568	ND	ND	ND	13.5000	ND	458.0000	ND	ND
13	7187	7/12/2007	0.4309	0.0033	68.0166	ND	ND	ND	1.8000	ND	480.0000	0.0027	0.1271
14	7188	7/12/2007	0.0009	0.0046	131.3066	0.0012	ND	ND	2.2000	0.0066	1094.0000	0.0034	0.0369
15	7189	7/12/2007	0.0040	0.0091	174.2319	ND	ND	ND	3.4000	0.0081	1002.0000	0.0037	0.0057
16	7195	7/20/2007	0.0066	0.0030	20.4816	ND	ND	ND	0.8000	ND	208.0000	0.0047	0.0040
17	7196	7/20/2007	0.0295	0.0033	24.3070	ND	ND	ND	1.0000	ND	210.0000	0.0019	0.0028
18	7197	7/20/2007	ND	0.0010	13.1742	ND	ND	ND	0.6000	ND	158.0000	0.0114	0.0041
19	7359	10/19/2007	0.0072	0.0015	14.1253	ND	ND	ND	0.6000	ND	157.0000	0.0041	0.0152
Test Count that Exceeded Standard:			1	3	4	0	0	0	3	0	17	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7175	7/12/2007	ND	ND	0.0439	ND	ND	ND	0.0017	0.0095	ND	ND	ND	ND	7.4400	ND	ND	327.0000	0.0975
2	7176	7/12/2007	ND	ND	0.0506	ND	ND	ND	0.0013	0.0114	ND	ND	ND	ND	7.2700	ND	ND	312.0000	0.6408
3	7177	7/12/2007	ND	ND	0.0160	ND	ND	ND	0.0008	0.0038	ND	ND	ND	ND	6.9000	ND	ND	150.0000	0.0193
4	7178	7/12/2007	ND	ND	0.0114	ND	ND	ND	0.0007	0.0032	ND	ND	ND	ND	7.1400	ND	ND	83.0000	0.0028
5	7179	7/12/2007	ND	ND	0.0170	ND	ND	ND	0.0009	0.0060	ND	ND	ND	ND	7.1500	ND	ND	153.0000	0.0524
6	7180	7/12/2007	ND	ND	0.0268	ND	ND	ND	0.0016	0.0059	ND	ND	ND	ND	7.4400	ND	ND	217.0000	0.0110
7	7181	7/12/2007	ND	ND	0.0259	ND	ND	ND	0.0019	0.0072	ND	ND	ND	ND	7.2900	ND	ND	202.0000	0.0033
8	7182	7/12/2007	ND	ND	0.0375	ND	ND	ND	0.0008	0.0112	ND	ND	12.7007	ND	6.8200	ND	ND	230.0000	0.0072
9	7183	7/12/2007	ND	0.0126	0.1401	ND	ND	ND	0.0016	0.0142	ND	ND	ND	ND	7.5800	ND	51.9740	324.0000	0.0117
10	7184	7/12/2007	ND	0.0223	0.2678	ND	ND	ND	0.0014	0.0063	1.9256	ND	ND	ND	8.0900	ND	71.4072	392.0000	0.0057
11	7185	7/12/2007	ND	0.0157	0.0766	ND	ND	ND	0.0006	0.0036	ND	ND	ND	ND	7.9600	ND	ND	208.0000	0.0048
12	7186	7/13/2007	ND	ND	0.3990	ND	ND	ND	0.0010	0.0077	3.1209	ND	ND	ND	8.6700	ND	116.9279	458.0000	ND
13	7187	7/12/2007	ND	0.0021	0.1800	ND	ND	ND	0.0012	0.0077	ND	ND	9.0613	ND	7.9400	ND	63.0515	480.0000	0.1271
14	7188	7/12/2007	ND	0.0045	0.5980	ND	ND	ND	0.0023	0.0067	ND	ND	25.2080	ND	7.9700	0.0066	359.5879	1094.0000	0.0369
15	7189	7/12/2007	ND	0.0068	0.9088	ND	ND	ND	0.0028	0.0085	ND	ND	24.4308	ND	7.6800	0.0081	301.1302	1002.0000	0.0057
16	7195	7/20/2007	ND	0.0103	0.0457	ND	ND	ND	0.0022	0.0102	ND	ND	ND	ND	8.0700	ND	ND	208.0000	0.0040
17	7196	7/20/2007	ND	0.0145	0.0531	ND	ND	ND	0.0020	0.0089	ND	ND	ND	ND	7.9600	ND	ND	210.0000	0.0028
18	7197	7/20/2007	ND	0.0029	0.0322	ND	ND	ND	0.0031	0.0087	ND	ND	ND	ND	8.0000	ND	ND	158.0000	0.0041
19	7359	10/19/2007	ND	0.0019	0.0313	ND	ND	ND	0.0014	0.0088	ND	ND	ND	ND	7.7900	ND	ND	157.0000	0.0152
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	2	0

ND - Not Detected

Culinary:

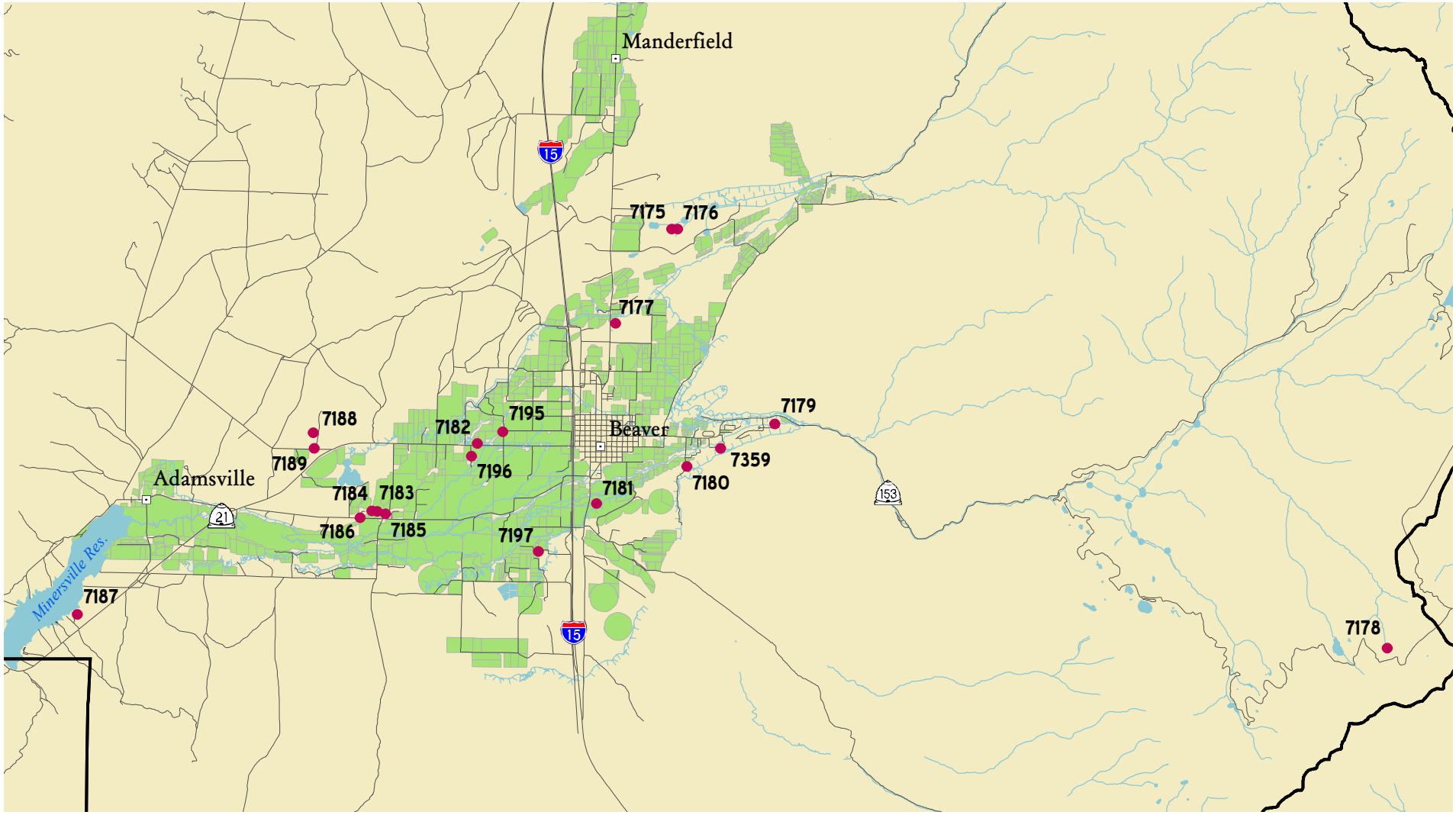
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7175	7/12/2007	ND	0.1108	ND	ND	ND	0.0017	0.0095	ND	ND	20.9593	0.0011	ND	ND	ND	ND	327.0000
2	7176	7/12/2007	ND	0.1021	ND	ND	ND	0.0013	0.0114	ND	ND	25.0429	0.0042	ND	ND	ND	ND	312.0000
3	7177	7/12/2007	ND	0.0402	ND	ND	ND	0.0008	0.0038	ND	ND	8.0261	ND	ND	ND	ND	ND	150.0000
4	7178	7/12/2007	ND	0.0023	ND	ND	ND	0.0007	0.0032	ND	ND	3.1652	ND	ND	ND	ND	ND	83.0000
5	7179	7/12/2007	ND	0.0130	ND	ND	ND	0.0009	0.0060	ND	ND	7.5632	ND	ND	ND	ND	ND	153.0000
6	7180	7/12/2007	ND	0.0133	ND	ND	ND	0.0016	0.0059	ND	ND	12.9223	ND	ND	ND	ND	ND	217.0000
7	7181	7/12/2007	ND	0.0125	ND	ND	ND	0.0019	0.0072	ND	ND	9.4209	ND	ND	ND	ND	ND	202.0000
8	7182	7/12/2007	ND	0.0547	ND	ND	ND	0.0008	0.0112	ND	ND	14.0354	ND	12.7007	ND	ND	ND	230.0000
9	7183	7/12/2007	0.0126	0.0146	ND	ND	ND	0.0016	0.0142	ND	ND	53.5016	ND	ND	ND	ND	51.9740	324.0000
10	7184	7/12/2007	0.0223	0.0120	ND	ND	ND	0.0014	0.0063	1.9256	ND	101.6208	ND	ND	ND	ND	71.4072	392.0000
11	7185	7/12/2007	0.0157	0.0113	ND	ND	ND	0.0006	0.0036	ND	ND	25.6077	ND	ND	ND	ND	ND	208.0000
12	7186	7/13/2007	ND	0.0049	ND	ND	ND	0.0010	0.0077	3.1209	ND	160.5568	ND	ND	ND	ND	116.9279	458.0000
13	7187	7/12/2007	0.0021	0.0189	ND	ND	ND	0.0012	0.0077	ND	ND	68.0166	ND	9.0613	ND	ND	63.0515	480.0000
14	7188	7/12/2007	0.0045	0.0348	ND	ND	ND	0.0023	0.0067	ND	ND	131.3066	0.0012	25.2080	ND	0.0066	359.5879	1094.0000
15	7189	7/12/2007	0.0068	0.0236	ND	ND	ND	0.0028	0.0085	ND	ND	174.2319	ND	24.4308	ND	0.0081	301.1302	1002.0000
16	7195	7/20/2007	0.0103	0.0061	ND	ND	ND	0.0022	0.0102	ND	ND	20.4816	ND	ND	ND	ND	ND	208.0000
17	7196	7/20/2007	0.0145	0.0066	ND	ND	ND	0.0020	0.0089	ND	ND	24.3070	ND	ND	ND	ND	ND	210.0000
18	7197	7/20/2007	0.0029	0.0038	ND	ND	ND	0.0031	0.0087	ND	ND	13.1742	ND	ND	ND	ND	ND	158.0000
19	7359	10/19/2007	0.0019	0.0531	ND	ND	ND	0.0014	0.0088	ND	ND	14.1253	ND	ND	ND	ND	ND	157.0000
Test Count that Exceeded Standard			5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7175	7/12/2007	ND	ND	38.4692	0.0095	ND	ND	251.8000	0.0010	7.4400	11.6666	ND	327.0000	0.0975
2	7176	7/12/2007	ND	ND	40.2501	0.0114	ND	ND	239.0000	0.0024	7.2700	12.1384	ND	312.0000	0.6408
3	7177	7/12/2007	ND	ND	ND	0.0038	ND	0.0106	100.7000	0.0037	6.9000	13.2475	ND	150.0000	0.0193
4	7178	7/12/2007	ND	ND	ND	0.0032	ND	ND	35.5000	ND	7.1400	16.0487	ND	83.0000	0.0028
5	7179	7/12/2007	ND	ND	12.6818	0.0060	ND	0.0283	97.1000	0.0243	7.1500	20.8127	ND	153.0000	0.0524
6	7180	7/12/2007	ND	ND	13.2814	0.0059	ND	ND	147.9000	0.0005	7.4400	20.4591	ND	217.0000	0.0110
7	7181	7/12/2007	ND	ND	12.2424	0.0072	ND	ND	146.3000	0.0003	7.2900	18.6490	ND	202.0000	0.0033
8	7182	7/12/2007	ND	ND	19.5211	0.0112	ND	ND	170.1000	0.0004	6.8200	12.2914	ND	230.0000	0.0072
9	7183	7/12/2007	ND	ND	21.4749	0.0142	ND	ND	143.0000	ND	7.5800	29.1683	51.9740	324.0000	0.0117
10	7184	7/12/2007	ND	ND	27.0441	0.0063	1.9256	0.0877	109.9000	0.0453	8.0900	23.8977	71.4072	392.0000	0.0057
11	7185	7/12/2007	ND	ND	11.9750	0.0036	ND	0.0281	82.6000	0.0507	7.9600	32.3704	ND	208.0000	0.0048
12	7186	7/13/2007	ND	ND	19.5894	0.0077	3.1209	ND	26.9000	0.0066	8.6700	21.2753	116.9279	458.0000	ND
13	7187	7/12/2007	ND	ND	72.1694	0.0077	ND	ND	264.9000	0.4309	7.9400	15.5839	63.0515	480.0000	0.1271
14	7188	7/12/2007	ND	ND	173.4089	0.0067	ND	ND	645.3000	0.0009	7.9700	14.6108	359.5879	1094.0000	0.0369
15	7189	7/12/2007	ND	ND	93.7120	0.0085	ND	ND	490.3000	0.0040	7.6800	22.4683	301.1302	1002.0000	0.0057
16	7195	7/20/2007	ND	ND	14.5166	0.0102	ND	ND	110.5000	0.0066	8.0700	24.7099	ND	208.0000	0.0040
17	7196	7/20/2007	ND	ND	14.8178	0.0089	ND	ND	103.0000	0.0295	7.9600	25.5129	ND	210.0000	0.0028
18	7197	7/20/2007	ND	ND	ND	0.0087	ND	ND	82.2000	ND	8.0000	25.0885	ND	158.0000	0.0041
19	7359	10/19/2007	ND	ND	ND	0.0088	ND	0.1913	94.9000	0.0072	7.7900	18.5166	ND	157.0000	0.0152
Test Count that Exceeded Standard:			0	0	0	0	1	0	17	2	1	0	2	14	0

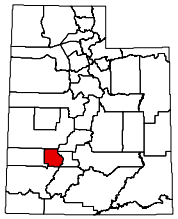
ND - Not Detected

Map 29. Beaver District



Map Scale 1:165,000 (1 inch = 2.6 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Canyonlands District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7159	6/27/2007	ND	ND	60.8 F (16.0 C)	647	409.0	0.400	341.0	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
2	7160	6/27/2007	ND	ND	58.5 F (14.7 C)	249	156.0	0.300	118.5	Well	Clean	Soil	PVC	Sealed	✔	✔					
3	7161	6/27/2007	ND	ND	60.6 F (15.9 C)	489	318.0	0.400	260.5	Well	Clean	Natural	Steel	Sealed	✔	✔					
4	7162	6/27/2007	ND	ND	58.3 F (14.6 C)	376	231.0	0.300	185.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
5	7163	6/27/2007	ND	ND	55.6 F (13.1 C)	531	336.0	0.400	271.2	Well	Clean	Soil	Steel	Sealed	✔	✔					
6	7164	6/27/2007	ND	ND	59.2 F (15.1 C)	574	364.0	0.400	307.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
7	7165	6/27/2007	POS	ND	69.6 F (20.9 C)	442	275.0	0.400	223.6	Well	Clean	Soil	Steel	Sealed	✔	✔					
8	7166	6/27/2007	ND	ND	62.6 F (17.0 C)	545	347.0	0.500	287.7	Well	Clean	Concrete Pad	Steel	Open	✔	✔					
9	7167	6/27/2007	ND	ND	54.0 F (12.2 C)	378	241.0	0.200	187.6	Well	Clean	Natural	Steel	Sealed	✔	✔					
10	7168	6/27/2007	ND	ND	57.7 F (14.3 C)	440	275.0	0.300	221.5	Well	Clean	Pit Masonry	Steel	Sealed	✔	✔					
11	7169	6/27/2007	POS	POS	61.7 F (16.5 C)	146	103.0	0.200	61.70	Spring	Livestock	Soil	Earth	Open	✔	✔					
12	7170	6/27/2007	ND	ND	71.6 F (22.0 C)	130	79.00	0.200	43.60	Well	Clean	Lawn	Steel	Sealed	✔	✔					
13	7171	6/27/2007	ND	ND	64.8 F (18.2 C)	562	342.0	0.600	264.7	Well	Clean	Natural	Steel	Sealed	✔	✔					
14	7172	6/27/2007	ND	ND	62.2 F (16.8 C)	8380	6865.	21.10	1537.	Well	Clay Soil	Covered	Steel	Sealed	✔	✔					
15	7173	6/27/2007	ND	ND	67.8 F (19.9 C)	1151	765.0	3.300	387.5	Well	Surface Water	Natural	Steel	Sealed	✔	✔					
16	7174	6/27/2007	ND	ND	57.7 F (14.3 C)	1254	968.0	1.100	747.4	Well	Vegetated	Natural	Steel	Sealed	✔	✔					
17	7353	10/17/2007	ND	ND	55.6 F (13.1 C)	870	566.0	1.000	468.1	Well	Vegetated	Concrete Pad	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**2**	**1**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7175	7/12/2007	ND	0.0439	ND	75.5458	38.4692	ND	ND	0.0017	0.0095	ND	ND	251.9940	2.2221	0.0088	15.2642
2	7176	7/12/2007	ND	0.0506	ND	70.6559	40.2501	ND	ND	0.0013	0.0114	ND	ND	222.1680	2.0460	0.0129	15.1439
3	7177	7/12/2007	ND	0.0160	ND	29.6100	ND	ND	ND	0.0008	0.0038	ND	0.0106	112.5180	1.0812	0.0069	6.4692
4	7178	7/12/2007	ND	0.0114	ND	8.8137	ND	ND	ND	0.0007	0.0032	ND	ND	68.8424	1.4166	ND	3.2768
5	7179	7/12/2007	ND	0.0170	ND	26.9408	12.6818	ND	ND	0.0009	0.0060	ND	0.0283	125.1190	2.9177	0.0037	7.2192
6	7180	7/12/2007	ND	0.0268	ND	42.5842	13.2814	ND	ND	0.0016	0.0059	ND	ND	186.1950	3.4049	0.0070	10.0501
7	7181	7/12/2007	ND	0.0259	ND	41.6842	12.2424	ND	ND	0.0019	0.0072	ND	ND	177.8780	2.5665	0.0052	10.2197
8	7182	7/12/2007	ND	0.0375	ND	50.6809	19.5211	ND	ND	0.0008	0.0112	ND	ND	170.0220	1.7313	0.0066	10.5253
9	7183	7/12/2007	ND	0.1401	ND	44.8531	21.4749	ND	ND	0.0016	0.0142	ND	ND	208.9310	8.4922	0.0221	7.4947
10	7184	7/12/2007	ND	0.2678	ND	33.7275	27.0441	ND	ND	0.0014	0.0063	1.9256	0.0877	247.9270	6.2600	0.0221	6.2068
11	7185	7/12/2007	ND	0.0766	ND	26.4722	11.9750	ND	ND	0.0006	0.0036	ND	0.0281	133.3390	7.5556	0.0211	3.9777
12	7186	7/13/2007	ND	0.3990	ND	8.8744	19.5894	ND	21.9463	0.0010	0.0077	3.1209	ND	210.8850	4.0911	0.0053	1.1345
13	7187	7/12/2007	ND	0.1800	ND	74.5545	72.1694	ND	ND	0.0012	0.0077	ND	ND	309.9370	5.2839	0.0147	19.0643
14	7188	7/12/2007	ND	0.5980	ND	170.2395	173.4089	ND	ND	0.0023	0.0067	ND	ND	320.3300	7.7669	0.0377	53.3209
15	7189	7/12/2007	ND	0.9088	ND	110.4968	93.7120	ND	ND	0.0028	0.0085	ND	ND	430.2590	11.3078	0.0535	51.9595
16	7195	7/20/2007	ND	0.0457	ND	32.4820	14.5166	ND	ND	0.0022	0.0102	ND	ND	156.9530	4.8367	0.0105	7.1004
17	7196	7/20/2007	ND	0.0531	ND	32.4439	14.8178	ND	ND	0.0020	0.0089	ND	ND	151.8720	6.5543	0.0123	5.3224
18	7197	7/20/2007	ND	0.0322	ND	23.1702	ND	ND	ND	0.0031	0.0087	ND	ND	135.2870	3.0969	0.0047	5.9038
19	7359	10/19/2007	ND	0.0313	ND	27.6680	ND	ND	ND	0.0014	0.0088	ND	0.1913	135.2640	3.5730	0.0057	6.2456
Test Count that Exceeded Standard			0	2	0	0	3	0	0	0	0	1	0	18	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7159	7/2/2007	0.0006	ND	17.7994	ND	ND	ND	0.4000	ND	409.0000	ND	1.6800
2	7160	7/2/2007	ND	0.0011	7.2416	ND	ND	ND	0.3000	ND	156.0000	0.0033	0.0886
3	7161	7/2/2007	ND	0.0005	14.2342	ND	ND	ND	0.4000	ND	318.0000	ND	0.0440
4	7162	7/2/2007	ND	ND	10.1897	ND	ND	ND	0.3000	ND	231.0000	ND	0.0047
5	7163	7/2/2007	0.0003	0.0005	15.3017	ND	ND	ND	0.4000	ND	336.0000	0.0031	0.0326
6	7164	7/2/2007	ND	ND	15.4803	ND	ND	ND	0.4000	ND	364.0000	ND	0.0099
7	7165	7/2/2007	0.0008	ND	12.7929	ND	ND	ND	0.4000	ND	275.0000	ND	0.1008
8	7166	7/2/2007	0.0004	ND	19.5944	ND	ND	ND	0.5000	ND	347.0000	ND	0.0326
9	7167	7/2/2007	0.0005	ND	7.3869	ND	ND	ND	0.2000	ND	241.0000	ND	0.0056
10	7168	7/2/2007	0.0007	ND	10.0886	0.0007	ND	ND	0.3000	ND	275.0000	ND	0.0475
11	7169	7/2/2007	0.0005	ND	3.8154	ND	ND	ND	0.2000	ND	103.0000	ND	0.0047
12	7170	7/2/2007	0.0586	ND	2.4778	ND	0.0022	ND	0.2000	ND	79.0000	ND	0.0368
13	7171	7/2/2007	0.0169	0.0014	22.1106	ND	ND	ND	0.6000	ND	342.0000	ND	0.0265
14	7172	7/2/2007	0.8457	0.0039	1897.9630	0.0060	ND	ND	21.1000	0.0224	6865.0000	ND	0.0258
15	7173	7/2/2007	0.0043	0.0009	149.9993	0.0010	ND	ND	3.3000	ND	765.0000	ND	0.0682
16	7174	7/2/2007	0.0020	ND	69.4593	0.0015	ND	ND	1.1000	0.0044	968.0000	ND	0.0110
17	7353	10/19/2007	0.0007	0.0011	48.3374	0.0007	ND	ND	1.0000	ND	566.0000	ND	0.0986
Test Count that Exceeded Standard:			1	0	2	0	0	0	2	1	15	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7159	7/2/2007	ND	0.0022	0.0979	ND	ND	ND	0.0013	0.0135	ND	ND	ND	ND	7.7200	ND	114.5274	409.0000	1.6800
2	7160	7/2/2007	ND	0.0080	0.0332	ND	ND	ND	ND	0.0162	ND	ND	ND	ND	7.7500	ND	ND	156.0000	0.0886
3	7161	7/2/2007	ND	0.0131	0.0797	ND	ND	ND	0.0006	0.0188	ND	ND	ND	ND	7.7800	ND	ND	318.0000	0.0440
4	7162	7/2/2007	ND	0.0043	0.0507	ND	ND	ND	0.0006	0.0124	ND	ND	ND	ND	7.7800	ND	ND	231.0000	0.0047
5	7163	7/2/2007	ND	0.0102	0.0867	ND	ND	ND	0.0009	0.0117	ND	ND	ND	ND	8.1600	ND	ND	336.0000	0.0326
6	7164	7/2/2007	ND	0.0062	0.0736	ND	ND	ND	0.0013	0.0168	ND	ND	ND	ND	7.7500	ND	47.3838	364.0000	0.0099
7	7165	7/2/2007	ND	ND	0.0204	ND	ND	ND	ND	0.0236	ND	ND	ND	ND	7.8400	ND	ND	275.0000	0.1008
8	7166	7/2/2007	ND	0.0033	0.0981	ND	ND	ND	0.0011	0.0152	ND	ND	ND	ND	7.8200	ND	ND	347.0000	0.0326
9	7167	7/2/2007	ND	0.0042	0.0292	ND	ND	ND	0.0009	0.0043	ND	ND	ND	ND	7.5200	ND	ND	241.0000	0.0056
10	7168	7/2/2007	ND	0.0066	0.0264	ND	ND	ND	ND	0.0143	ND	ND	11.5507	ND	7.6500	ND	ND	275.0000	0.0475
11	7169	7/2/2007	ND	ND	0.0194	ND	ND	ND	ND	0.0133	ND	ND	ND	ND	7.9100	ND	ND	103.0000	0.0047
12	7170	7/2/2007	ND	0.0273	0.0145	ND	ND	ND	ND	0.0127	ND	ND	ND	0.0022	6.2100	ND	ND	79.0000	0.0368
13	7171	7/2/2007	ND	0.0157	0.0296	ND	ND	ND	0.0010	0.0115	ND	ND	ND	ND	8.1200	ND	62.0964	342.0000	0.0265
14	7172	7/2/2007	ND	ND	0.5348	ND	ND	0.0010	0.0037	0.0090	ND	ND	34.3391	ND	7.6300	0.0224	3891.8460	6865.0000	0.0258
15	7173	7/2/2007	ND	ND	0.1516	ND	ND	ND	0.0013	0.0220	ND	ND	ND	ND	8.0400	ND	266.0599	765.0000	0.0682
16	7174	7/2/2007	ND	ND	0.1710	ND	ND	ND	0.0040	0.0334	ND	ND	15.6438	ND	7.4400	0.0044	319.4893	968.0000	0.0110
17	7353	10/19/2007	ND	ND	0.1525	ND	ND	ND	0.0029	0.0214	ND	ND	9.2217	ND	7.2500	ND	98.6744	566.0000	0.0986
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0

ND - Not Detected

Culinary:

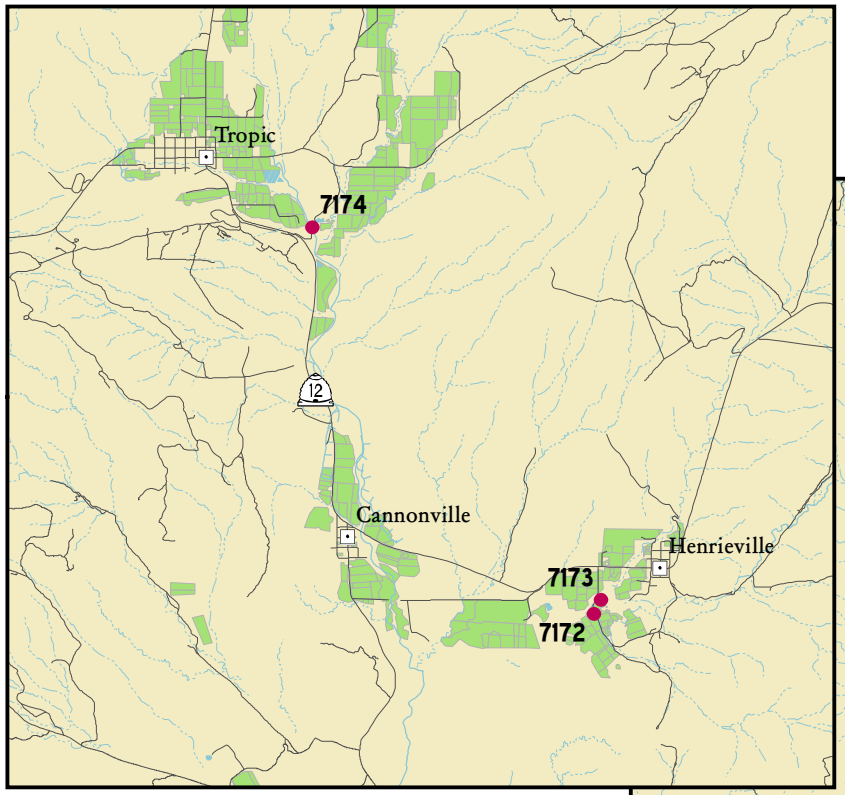
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7159	7/2/2007	0.0022	0.0453	ND	ND	ND	0.0013	0.0135	ND	ND	17.7994	ND	ND	ND	ND	114.5274	409.0000
2	7160	7/2/2007	0.0080	0.0875	ND	ND	ND	ND	0.0162	ND	ND	7.2416	ND	ND	ND	ND	ND	156.0000
3	7161	7/2/2007	0.0131	0.1098	ND	ND	ND	0.0006	0.0188	ND	ND	14.2342	ND	ND	ND	ND	ND	318.0000
4	7162	7/2/2007	0.0043	0.1898	ND	ND	ND	0.0006	0.0124	ND	ND	10.1897	ND	ND	ND	ND	ND	231.0000
5	7163	7/2/2007	0.0102	0.0636	ND	ND	ND	0.0009	0.0117	ND	ND	15.3017	ND	ND	ND	ND	ND	336.0000
6	7164	7/2/2007	0.0062	0.1134	ND	ND	ND	0.0013	0.0168	ND	ND	15.4803	ND	ND	ND	ND	47.3838	364.0000
7	7165	7/2/2007	ND	0.1128	ND	ND	ND	ND	0.0236	ND	ND	12.7929	ND	ND	ND	ND	ND	275.0000
8	7166	7/2/2007	0.0033	0.1578	ND	ND	ND	0.0011	0.0152	ND	ND	19.5944	ND	ND	ND	ND	ND	347.0000
9	7167	7/2/2007	0.0042	0.2925	ND	ND	ND	0.0009	0.0043	ND	ND	7.3869	ND	ND	ND	ND	ND	241.0000
10	7168	7/2/2007	0.0066	0.5776	ND	ND	ND	ND	0.0143	ND	ND	10.0886	0.0007	11.5507	ND	ND	ND	275.0000
11	7169	7/2/2007	ND	0.0107	ND	ND	ND	ND	0.0133	ND	ND	3.8154	ND	ND	ND	ND	ND	103.0000
12	7170	7/2/2007	0.0273	0.0867	ND	ND	ND	ND	0.0127	ND	ND	2.4778	ND	ND	0.0022	ND	ND	79.0000
13	7171	7/2/2007	0.0157	0.0265	ND	ND	ND	0.0010	0.0115	ND	ND	22.1106	ND	ND	ND	ND	62.0964	342.0000
14	7172	7/2/2007	ND	0.0060	ND	ND	ND	0.0037	0.0090	ND	ND	1897.9630	0.0060	34.3391	ND	0.0224	3891.8460	6865.0000
15	7173	7/2/2007	ND	0.0145	ND	ND	ND	0.0013	0.0220	ND	ND	149.9993	0.0010	ND	ND	ND	266.0599	765.0000
16	7174	7/2/2007	ND	0.0225	ND	ND	ND	0.0040	0.0334	ND	ND	69.4593	0.0015	15.6438	ND	0.0044	319.4893	968.0000
17	7353	10/19/2007	ND	0.0427	ND	ND	ND	0.0029	0.0214	ND	ND	48.3374	0.0007	9.2217	ND	ND	98.6744	566.0000
Test Count that Exceeded Standard			4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

ND - Not Detected

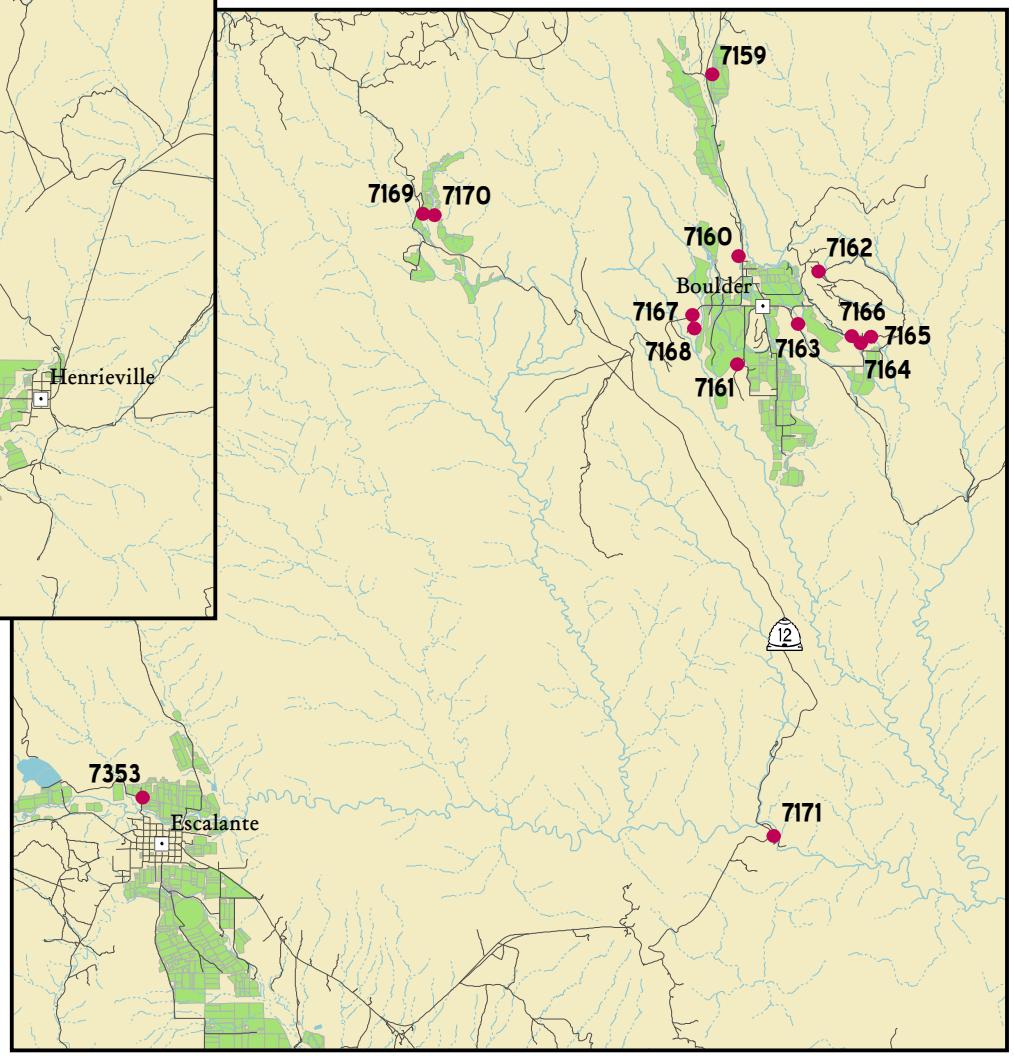
Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7159	7/2/2007	ND	ND	12.0996	0.0135	ND	ND	341.0000	0.0006	7.7200	11.3210	114.5274	409.0000	1.6800
2	7160	7/2/2007	ND	ND	ND	0.0162	ND	ND	118.5000	ND	7.7500	9.8097	ND	156.0000	0.0886
3	7161	7/2/2007	ND	ND	ND	0.0188	ND	ND	260.5000	ND	7.7800	16.9433	ND	318.0000	0.0440
4	7162	7/2/2007	ND	ND	ND	0.0124	ND	0.0204	185.0000	ND	7.7800	10.1350	ND	231.0000	0.0047
5	7163	7/2/2007	ND	ND	ND	0.0117	ND	0.0334	271.2000	0.0003	8.1600	19.0878	ND	336.0000	0.0326
6	7164	7/2/2007	ND	ND	13.5493	0.0168	ND	ND	307.1000	ND	7.7500	15.9676	47.3838	364.0000	0.0099
7	7165	7/2/2007	ND	ND	17.4051	0.0236	ND	ND	223.6000	0.0008	7.8400	8.0165	ND	275.0000	0.1008
8	7166	7/2/2007	ND	ND	ND	0.0152	ND	ND	287.7000	0.0004	7.8200	8.0514	ND	347.0000	0.0326
9	7167	7/2/2007	ND	ND	ND	0.0043	ND	ND	187.6000	0.0005	7.5200	10.8721	ND	241.0000	0.0056
10	7168	7/2/2007	ND	ND	18.1815	0.0143	ND	ND	221.5000	0.0007	7.6500	6.9891	ND	275.0000	0.0475
11	7169	7/2/2007	ND	ND	ND	0.0133	ND	0.0325	61.7000	0.0005	7.9100	15.6663	ND	103.0000	0.0047
12	7170	7/2/2007	ND	ND	ND	0.0127	ND	3.5930	43.6000	0.0586	6.2100	8.4901	ND	79.0000	0.0368
13	7171	7/2/2007	ND	ND	21.1087	0.0115	ND	ND	264.7000	0.0169	8.1200	4.6692	62.0964	342.0000	0.0265
14	7172	7/2/2007	ND	ND	152.2455	0.0090	ND	0.0208	1537.0000	0.8457	7.6300	6.8061	3891.8460	6865.0000	0.0258
15	7173	7/2/2007	ND	ND	14.1301	0.0220	ND	ND	387.5000	0.0043	8.0400	4.4224	266.0599	765.0000	0.0682
16	7174	7/2/2007	ND	ND	22.5983	0.0334	ND	ND	747.4000	0.0020	7.4400	5.1989	319.4893	968.0000	0.0110
17	7353	10/19/2007	ND	ND	ND	0.0214	ND	ND	468.1000	0.0007	7.2500	9.1757	98.6744	566.0000	0.0986
Test Count that Exceeded Standard:			0	0	0	0	0	1	16	2	1	0	3	14	0

ND - Not Detected

Map 30. Canyonlands District



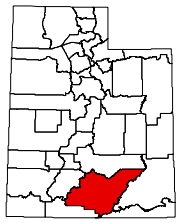
Map Scale 1:126,720 (1 inch = 2 miles)



Map Scale 1:202,752 (1 inch = 3.2 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Dixie District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7086	5/16/2007	ND	ND	68.5 F (20.3 C)	1266	1102.	1.200	775.0	Well	Clean	Covered	Steel	Sealed	✔	✔					
2	7087	5/16/2007	POS	ND	70.0 F (21.1 C)	1397	1152.	1.400	855.5	Well	Clean	Soil	Steel	Sealed		✔					
3	7088	5/16/2007	ND	ND	73.9 F (23.3 C)	1596	1632.	1.800	1133.	Well	Clean	Soil	Steel	Sealed	✔	✔					
4	7089	5/16/2007	ND	ND	67.1 F (19.5 C)	3100	2133.	1.400	1469.	Well	Clean	Soil	Steel	Sealed	✔	✔					
5	7090	5/16/2007	POS	POS	68.5 F (20.3 C)	3260	2236.	1.900	1409.	Well	Clean	Covered	Steel	Sealed	✔	✔					
6	7091	5/16/2007	ND	ND	69.1 F (20.6 C)	1398	1104.	1.300	749.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
7	7092	5/16/2007	POS	POS	60.4 F (15.8 C)	856	561.0	0.800	431.1	Well	Clean	Soil	Steel	Open		✔					
8	7093	5/16/2007	ND	ND	62.1 F (16.7 C)	1509	1259.	1.200	941.9	Well	Clean	Soil	Steel	Sealed		✔					
9	7094	5/16/2007	ND	ND	62.2 F (16.8 C)	1156	819.0	1.300	572.5	Well	Clean	Soil	Steel	Open	✔	✔					
10	7095	5/16/2007	ND	ND	61.2 F (16.2 C)	949	663.0	0.700	545.5	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
11	7096	5/16/2007	ND	ND	60.4 F (15.8 C)	1023	772.0	0.700	602.4	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
12	7097	5/16/2007	ND	ND	63.5 F (17.5 C)	7420	6870.	6.400	3678.	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
13	7098	5/16/2007	ND	ND	60.6 F (15.9 C)	1126	867.0	0.800	698.6	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
14	7099	5/16/2007	ND	ND	54.1 F (12.3 C)	928	561.0	1.200	437.1	Well	Vegetated	Covered	Steel	Sealed		✔					
15	7100	5/16/2007	POS	POS	63.5 F (17.5 C)	1204	928.0	1.300	641.2	Well	Clean	Soil	Steel	Sealed	✔	✔					
16	7101	5/16/2007	ND	ND	75.9 F (24.4 C)	1071	771.0	2.500	377.7	Well	Clean	Concrete Pad	Steel	Sealed	✔	✔					
17	7102	5/16/2007	ND	ND	59.2 F (15.1 C)	656	426.0	0.400	339.8	Well	Clean	Soil	Steel	Sealed	✔	✔					
18	7103	5/16/2007	ND	ND	60.4 F (15.8 C)	459	296.0	0.500	213.8	Well	Clean	Well House	Steel	Sealed	✔	✔					
19	7295	8/29/2007	POS	POS	63.3 F (17.4 C)	997	860.0	1.300	560.7	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
20	7296	8/29/2007	ND	ND	47.7 F (8.7 C)	296	177.0	0.200	145.3	Well	Livestock	Gravel	Steel	Sealed	✔	✔					
21	7446	11/7/2007	ND	ND	66.6 F (19.2 C)	1175	1138.	0.800	810.7	Well	Clean	Well House	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**5**	**4**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7086	5/21/2007	ND	0.2250	ND	168.1946	100.7029	ND	ND	0.0020	0.0113	ND	ND	279.4120	7.8844	0.0329	86.0542
2	7087	5/21/2007	ND	0.2733	ND	186.1871	114.9468	ND	ND	0.0024	0.0093	ND	ND	227.1970	9.4895	0.0384	94.6746
3	7088	5/22/2007	ND	0.7208	ND	250.0054	136.5292	0.0003	ND	0.0017	0.0244	ND	ND	182.6900	9.0108	0.0856	123.3069
4	7089	5/22/2007	ND	0.6675	ND	349.4580	196.4487	0.0005	ND	0.0019	0.0098	ND	ND	159.2850	9.3932	0.0906	144.6597
5	7090	5/22/2007	ND	0.9834	ND	325.5470	206.4828	0.0004	ND	0.0019	0.0123	ND	ND	160.2470	9.6351	0.1129	144.5140
6	7091	5/21/2007	ND	0.2661	ND	164.0898	111.6071	ND	ND	0.0014	0.0108	ND	ND	225.2610	7.9658	0.0381	82.2527
7	7092	5/21/2007	ND	0.0833	ND	121.0972	45.5545	0.0017	ND	0.0015	0.0086	ND	ND	269.7090	2.5537	0.0118	31.1540
8	7093	5/21/2007	ND	0.0949	ND	260.2021	140.2670	0.0052	ND	0.0014	0.0151	ND	ND	234.2130	4.2188	0.0164	70.7334
9	7094	5/21/2007	ND	0.0660	ND	168.9484	135.2927	0.0004	ND	0.0014	0.0094	ND	ND	233.6950	3.1570	0.0133	36.4302
10	7095	5/21/2007	ND	0.0911	ND	143.0910	41.8178	0.0006	ND	0.0015	0.0040	ND	0.1299	312.6410	3.1650	0.0154	45.5734
11	7096	5/21/2007	ND	0.0732	ND	174.7178	38.0159	0.0020	ND	0.0019	0.0049	ND	ND	328.7620	3.4578	0.0194	40.2034
12	7097	5/22/2007	ND	2.0160	ND	476.3091	395.1871	0.0006	ND	0.0009	0.0130	ND	ND	184.8530	30.0600	0.2813	603.7594
13	7098	5/21/2007	ND	0.1079	ND	198.0451	40.4049	0.0023	ND	0.0016	0.0024	ND	0.8080	338.4630	4.0787	0.0251	49.3936
14	7099	5/21/2007	ND	0.2075	ND	91.6658	52.8411	ND	ND	0.0020	0.0523	ND	ND	431.0410	1.6235	0.0325	50.4716
15	7100	5/21/2007	ND	0.2775	ND	194.1371	28.2875	0.0004	ND	0.0015	0.0044	ND	ND	352.9490	5.1302	0.0734	37.8198
16	7101	5/21/2007	ND	0.8100	ND	87.8977	44.4759	ND	ND	0.0013	0.0116	ND	ND	260.0410	7.3579	0.1329	38.3341
17	7102	5/21/2007	ND	0.0502	ND	103.2290	44.2795	ND	ND	0.0021	0.0069	ND	ND	258.8470	4.3967	0.0102	19.8347
18	7103	5/21/2007	ND	0.0609	ND	63.2661	22.9413	ND	ND	0.0020	0.0092	ND	ND	248.7740	4.0186	0.0107	13.5024
19	7295	8/31/2007	ND	0.2503	ND	176.1029	29.4530	ND	ND	0.0018	0.0080	ND	ND	367.0280	4.4985	0.0647	29.2342
20	7296	8/31/2007	ND	0.0195	ND	36.4185	ND	ND	ND	ND	0.0054	ND	ND	193.7760	1.2910	ND	13.1601
21	7446	11/9/2007	ND	0.0359	ND	235.9007	62.3066	ND	ND	0.0008	0.0021	ND	ND	592.6630	4.1341	0.0048	53.6356
Test Count that Exceeded Standard			0	5	0	0	9	0	0	0	0	0	0	21	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7086	5/21/2007	0.0009	0.0042	77.6567	0.0017	ND	ND	1.2000	0.0046	1102.0000	0.0065	0.0248
2	7087	5/21/2007	0.0003	0.0018	96.2360	0.0018	ND	ND	1.4000	ND	1152.0000	0.0077	0.0071
3	7088	5/22/2007	0.0026	0.0070	136.0904	0.0037	ND	ND	1.8000	0.0070	1632.0000	0.0071	0.1946
4	7089	5/22/2007	0.0003	0.0059	125.5093	0.0034	ND	ND	1.4000	0.0110	2133.0000	0.0168	0.0565
5	7090	5/22/2007	0.0004	0.0064	161.4752	0.0028	ND	ND	1.9000	0.0111	2236.0000	0.0149	0.2037
6	7091	5/21/2007	0.0048	0.0018	84.5131	0.0019	ND	ND	1.3000	ND	1104.0000	0.0060	1.9900
7	7092	5/21/2007	0.1784	0.0005	36.0041	0.0024	ND	ND	0.8000	ND	561.0000	ND	0.0116
8	7093	5/21/2007	0.6231	0.0011	83.2404	0.0123	ND	ND	1.2000	ND	1259.0000	ND	0.0674
9	7094	5/21/2007	0.0308	ND	72.3467	0.0017	ND	ND	1.3000	0.0050	819.0000	ND	0.0081
10	7095	5/21/2007	0.2232	ND	39.8913	0.0019	ND	ND	0.7000	ND	663.0000	ND	0.0331
11	7096	5/21/2007	0.5887	0.0021	41.1594	0.0039	ND	ND	0.7000	ND	772.0000	ND	0.0119
12	7097	5/22/2007	0.0671	0.0241	895.4839	0.0045	ND	ND	6.4000	0.1237	6870.0000	0.0064	0.0255
13	7098	5/21/2007	0.4157	ND	49.6934	0.0044	ND	ND	0.8000	ND	867.0000	ND	0.0035
14	7099	5/21/2007	0.0046	0.0019	58.9781	0.0015	ND	ND	1.2000	0.0044	561.0000	0.0127	0.0704
15	7100	5/21/2007	0.0149	0.0032	77.9964	0.0019	ND	ND	1.3000	0.0082	928.0000	0.0079	1.0500
16	7101	5/21/2007	0.0011	0.0183	112.4029	0.0013	ND	ND	2.5000	0.0320	771.0000	0.0235	0.8199
17	7102	5/21/2007	0.0009	0.0005	14.9310	0.0007	ND	ND	0.4000	ND	426.0000	0.0034	0.0221
18	7103	5/21/2007	0.0006	0.0007	16.2177	ND	ND	ND	0.5000	ND	296.0000	0.0047	0.0182
19	7295	8/31/2007	0.0113	0.0030	71.8127	0.0008	ND	ND	1.3000	0.0095	860.0000	0.0067	0.4571
20	7296	8/31/2007	0.0085	ND	5.3761	ND	ND	ND	0.2000	ND	177.0000	ND	0.5749
21	7446	11/9/2007	0.2334	0.0005	55.0123	ND	ND	ND	0.8000	ND	1138.0000	ND	0.0039
Test Count that Exceeded Standard:			5	2	12	0	0	0	1	2	21	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7086	5/21/2007	ND	0.0055	0.2250	ND	ND	ND	0.0020	0.0113	ND	ND	15.3414	ND	7.7800	0.0046	497.5575	1102.0000	0.0248
2	7087	5/21/2007	ND	0.0080	0.2733	ND	ND	ND	0.0024	0.0093	ND	ND	17.5169	ND	7.6700	ND	510.1435	1152.0000	0.0071
3	7088	5/22/2007	ND	0.0046	0.7208	ND	ND	0.0003	0.0017	0.0244	ND	ND	17.4968	ND	7.6100	0.0070	860.6379	1632.0000	0.1946
4	7089	5/22/2007	ND	0.0069	0.6675	ND	ND	0.0005	0.0019	0.0098	ND	ND	36.2563	ND	7.5100	0.0110	1182.8260	2133.0000	0.0565
5	7090	5/22/2007	ND	0.0067	0.9834	ND	ND	0.0004	0.0019	0.0123	ND	ND	22.2579	ND	7.5900	0.0111	1278.0300	2236.0000	0.2037
6	7091	5/21/2007	ND	0.0047	0.2661	ND	ND	ND	0.0014	0.0108	ND	ND	16.3401	ND	7.6600	ND	516.8361	1104.0000	1.9900
7	7092	5/21/2007	ND	ND	0.0833	ND	ND	0.0017	0.0015	0.0086	ND	ND	ND	ND	7.6200	ND	185.8594	561.0000	0.0116
8	7093	5/21/2007	ND	ND	0.0949	ND	ND	0.0052	0.0014	0.0151	ND	ND	ND	ND	7.4700	ND	574.8723	1259.0000	0.0674
9	7094	5/21/2007	ND	ND	0.0660	ND	ND	0.0004	0.0014	0.0094	ND	ND	ND	ND	7.6300	0.0050	271.7289	819.0000	0.0081
10	7095	5/21/2007	ND	ND	0.0911	ND	ND	0.0006	0.0015	0.0040	ND	ND	ND	ND	7.6200	ND	228.5976	663.0000	0.0331
11	7096	5/21/2007	ND	ND	0.0732	ND	ND	0.0020	0.0019	0.0049	ND	ND	ND	ND	7.3700	ND	303.6474	772.0000	0.0119
12	7097	5/22/2007	ND	0.0022	2.0160	ND	ND	0.0006	0.0009	0.0130	ND	ND	ND	ND	7.7000	0.1237	4363.7620	6870.0000	0.0255
13	7098	5/21/2007	ND	0.0036	0.1079	ND	ND	0.0023	0.0016	0.0024	ND	ND	ND	ND	7.4000	ND	351.6756	867.0000	0.0035
14	7099	5/21/2007	ND	0.0055	0.2075	ND	ND	ND	0.0020	0.0523	ND	ND	12.7585	ND	7.6500	0.0044	70.5807	561.0000	0.0704
15	7100	5/21/2007	ND	0.0019	0.2775	ND	ND	0.0004	0.0015	0.0044	ND	ND	13.6177	ND	7.6300	0.0082	389.2079	928.0000	1.0500
16	7101	5/21/2007	ND	0.0025	0.8100	ND	ND	ND	0.0013	0.0116	ND	ND	13.8993	ND	7.8000	0.0320	332.1511	771.0000	0.8199
17	7102	5/21/2007	ND	0.0025	0.0502	ND	ND	ND	0.0021	0.0069	ND	ND	17.6180	ND	7.8800	ND	70.3854	426.0000	0.0221
18	7103	5/21/2007	ND	0.0035	0.0609	ND	ND	ND	0.0020	0.0092	ND	ND	ND	ND	7.9200	ND	ND	296.0000	0.0182
19	7295	8/31/2007	ND	ND	0.2503	ND	ND	ND	0.0018	0.0080	ND	ND	15.5964	ND	7.5100	0.0095	345.7964	860.0000	0.4571
20	7296	8/31/2007	ND	ND	0.0195	ND	ND	ND	ND	0.0054	ND	ND	ND	ND	7.8300	ND	ND	177.0000	0.5749
21	7446	11/9/2007	ND	ND	0.0359	ND	ND	ND	0.0008	0.0021	ND	ND	ND	ND	7.3800	ND	421.6311	1138.0000	0.0039
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	9	0

ND - Not Detected

Culinary:

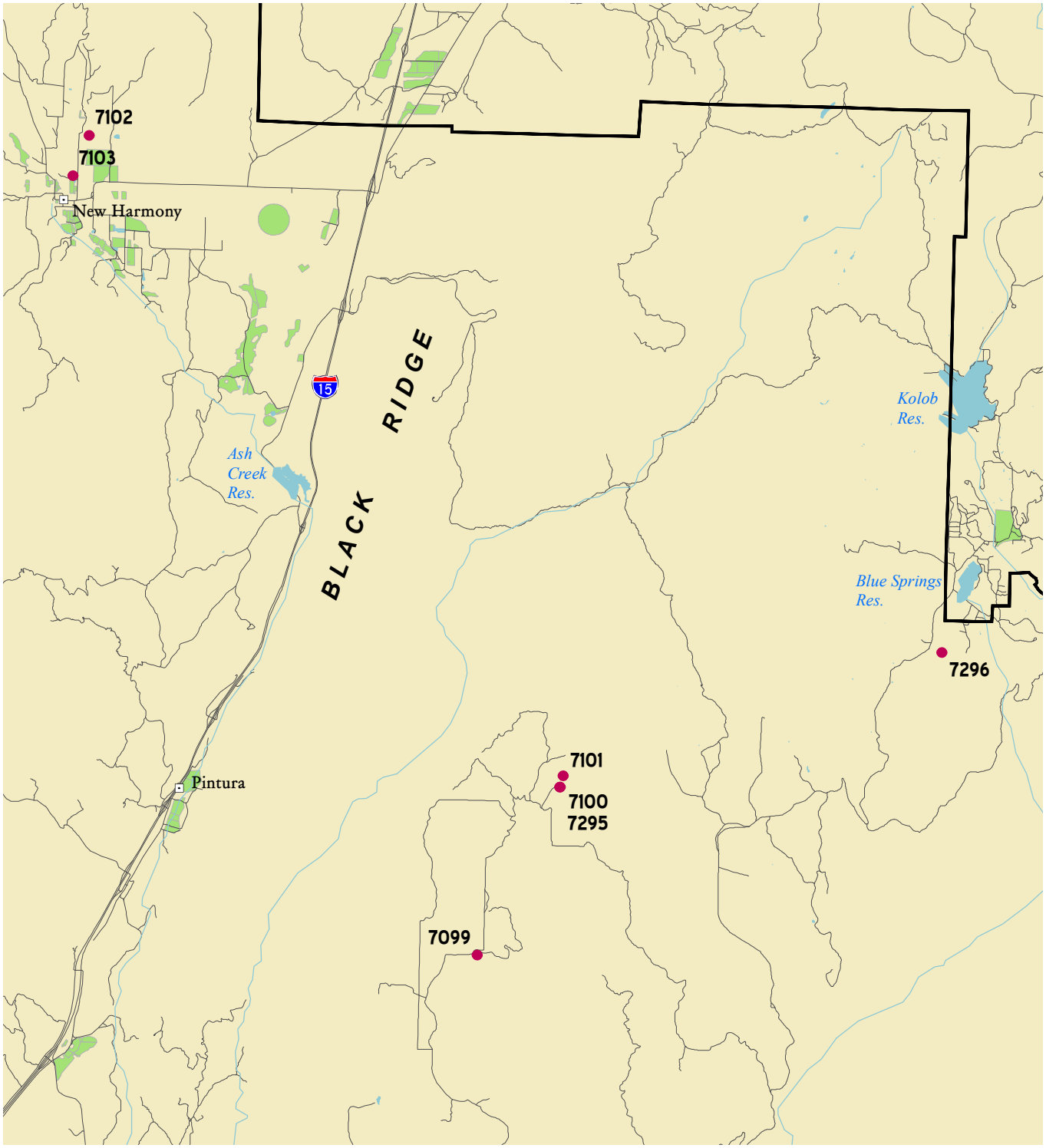
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7086	5/21/2007	0.0055	0.0133	ND	ND	ND	0.0020	0.0113	ND	ND	77.6567	0.0017	15.3414	ND	0.0046	497.5575	1102.0000
2	7087	5/21/2007	0.0080	0.0117	ND	ND	ND	0.0024	0.0093	ND	ND	96.2360	0.0018	17.5169	ND	ND	510.1435	1152.0000
3	7088	5/22/2007	0.0046	0.0105	ND	ND	ND	0.0017	0.0244	ND	ND	136.0904	0.0037	17.4968	ND	0.0070	860.6379	1632.0000
4	7089	5/22/2007	0.0069	0.0095	ND	ND	4.0665	0.0019	0.0098	ND	ND	125.5093	0.0034	36.2563	ND	0.0110	1182.8260	2133.0000
5	7090	5/22/2007	0.0067	0.0083	ND	ND	ND	0.0019	0.0123	ND	ND	161.4752	0.0028	22.2579	ND	0.0111	1278.0300	2236.0000
6	7091	5/21/2007	0.0047	0.0115	ND	ND	ND	0.0014	0.0108	ND	ND	84.5131	0.0019	16.3401	ND	ND	516.8361	1104.0000
7	7092	5/21/2007	ND	0.0149	ND	ND	ND	0.0015	0.0086	ND	ND	36.0041	0.0024	ND	ND	ND	185.8594	561.0000
8	7093	5/21/2007	ND	0.0080	ND	ND	ND	0.0014	0.0151	ND	ND	83.2404	0.0123	ND	ND	ND	574.8723	1259.0000
9	7094	5/21/2007	ND	0.0177	ND	ND	ND	0.0014	0.0094	ND	ND	72.3467	0.0017	ND	ND	0.0050	271.7289	819.0000
10	7095	5/21/2007	ND	0.0136	ND	ND	ND	0.0015	0.0040	ND	ND	39.8913	0.0019	ND	ND	ND	228.5976	663.0000
11	7096	5/21/2007	ND	0.0210	ND	ND	ND	0.0019	0.0049	ND	ND	41.1594	0.0039	ND	ND	ND	303.6474	772.0000
12	7097	5/22/2007	0.0022	0.0057	ND	ND	6.0542	0.0009	0.0130	ND	ND	895.4839	0.0045	ND	ND	0.1237	4363.7620	6870.0000
13	7098	5/21/2007	0.0036	0.0129	ND	ND	ND	0.0016	0.0024	ND	ND	49.6934	0.0044	ND	ND	ND	351.6756	867.0000
14	7099	5/21/2007	0.0055	0.1135	ND	ND	ND	0.0020	0.0523	ND	ND	58.9781	0.0015	12.7585	ND	0.0044	70.5807	561.0000
15	7100	5/21/2007	0.0019	0.0628	ND	ND	ND	0.0015	0.0044	ND	ND	77.9964	0.0019	13.6177	ND	0.0082	389.2079	928.0000
16	7101	5/21/2007	0.0025	0.0351	ND	ND	6.3244	0.0013	0.0116	ND	ND	112.4029	0.0013	13.8993	ND	0.0320	332.1511	771.0000
17	7102	5/21/2007	0.0025	0.0371	ND	ND	ND	0.0021	0.0069	ND	ND	14.9310	0.0007	17.6180	ND	ND	70.3854	426.0000
18	7103	5/21/2007	0.0035	0.0501	ND	ND	ND	0.0020	0.0092	ND	ND	16.2177	ND	ND	ND	ND	ND	296.0000
19	7295	8/31/2007	ND	0.0376	ND	ND	3.6980	0.0018	0.0080	ND	ND	71.8127	0.0008	15.5964	ND	0.0095	345.7964	860.0000
20	7296	8/31/2007	ND	0.0717	ND	ND	ND	ND	0.0054	ND	ND	5.3761	ND	ND	ND	ND	ND	177.0000
21	7446	11/9/2007	ND	0.2574	ND	ND	ND	0.0008	0.0021	ND	ND	55.0123	ND	ND	ND	ND	421.6311	1138.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	3

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7086	5/21/2007	ND	ND	100.7029	0.0113	ND	ND	775.0000	0.0009	7.7800	11.1629	497.5575	1102.0000	0.0248
2	7087	5/21/2007	ND	ND	114.9468	0.0093	ND	ND	855.5000	0.0003	7.6700	11.1100	510.1435	1152.0000	0.0071
3	7088	5/22/2007	ND	ND	136.5292	0.0244	ND	ND	1133.0000	0.0026	7.6100	9.4288	860.6379	1632.0000	0.1946
4	7089	5/22/2007	ND	ND	196.4487	0.0098	ND	ND	1469.6000	0.0003	7.5100	10.0278	1182.8260	2133.0000	0.0565
5	7090	5/22/2007	ND	ND	206.4828	0.0123	ND	ND	1409.3000	0.0004	7.5900	9.2499	1278.0300	2236.0000	0.2037
6	7091	5/21/2007	ND	ND	111.6071	0.0108	ND	ND	749.1000	0.0048	7.6600	9.4330	516.8361	1104.0000	1.9900
7	7092	5/21/2007	ND	ND	45.5545	0.0086	ND	ND	431.1000	0.1784	7.6200	5.5206	185.8594	561.0000	0.0116
8	7093	5/21/2007	ND	ND	140.2670	0.0151	ND	ND	941.9000	0.6231	7.4700	5.1759	574.8723	1259.0000	0.0674
9	7094	5/21/2007	ND	ND	135.2927	0.0094	ND	ND	572.5000	0.0308	7.6300	7.0906	271.7289	819.0000	0.0081
10	7095	5/21/2007	ND	ND	41.8178	0.0040	ND	0.1299	545.5000	0.2232	7.6200	6.6651	228.5976	663.0000	0.0331
11	7096	5/21/2007	ND	ND	38.0159	0.0049	ND	ND	602.4000	0.5887	7.3700	5.9101	303.6474	772.0000	0.0119
12	7097	5/22/2007	ND	ND	395.1871	0.0130	ND	ND	3678.3000	0.0671	7.7000	5.3129	4363.7620	6870.0000	0.0255
13	7098	5/21/2007	ND	ND	40.4049	0.0024	ND	0.8080	698.6000	0.4157	7.4000	6.6845	351.6756	867.0000	0.0035
14	7099	5/21/2007	ND	ND	52.8411	0.0523	ND	ND	437.1000	0.0046	7.6500	9.5800	70.5807	561.0000	0.0704
15	7100	5/21/2007	ND	ND	28.2875	0.0044	ND	ND	641.2000	0.0149	7.6300	7.1582	389.2079	928.0000	1.0500
16	7101	5/21/2007	ND	ND	44.4759	0.0116	ND	ND	377.7000	0.0011	7.8000	6.2476	332.1511	771.0000	0.8199
17	7102	5/21/2007	ND	ND	44.2795	0.0069	ND	ND	339.8000	0.0009	7.8800	23.9720	70.3854	426.0000	0.0221
18	7103	5/21/2007	ND	ND	22.9413	0.0092	ND	ND	213.8000	0.0006	7.9200	26.0970	ND	296.0000	0.0182
19	7295	8/31/2007	ND	ND	29.4530	0.0080	ND	ND	560.7000	0.0113	7.5100	6.7770	345.7964	860.0000	0.4571
20	7296	8/31/2007	ND	ND	ND	0.0054	ND	ND	145.3000	0.0085	7.8300	12.0751	ND	177.0000	0.5749
21	7446	11/9/2007	ND	ND	62.3066	0.0021	ND	ND	810.7000	0.2334	7.3800	12.2894	421.6311	1138.0000	0.0039
Test Count that Exceeded Standard:			0	0	1	0	0	1	21	7	0	0	15	20	0

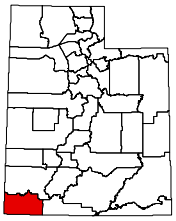
ND - Not Detected

Map 31. Dixie District - New Harmony Area



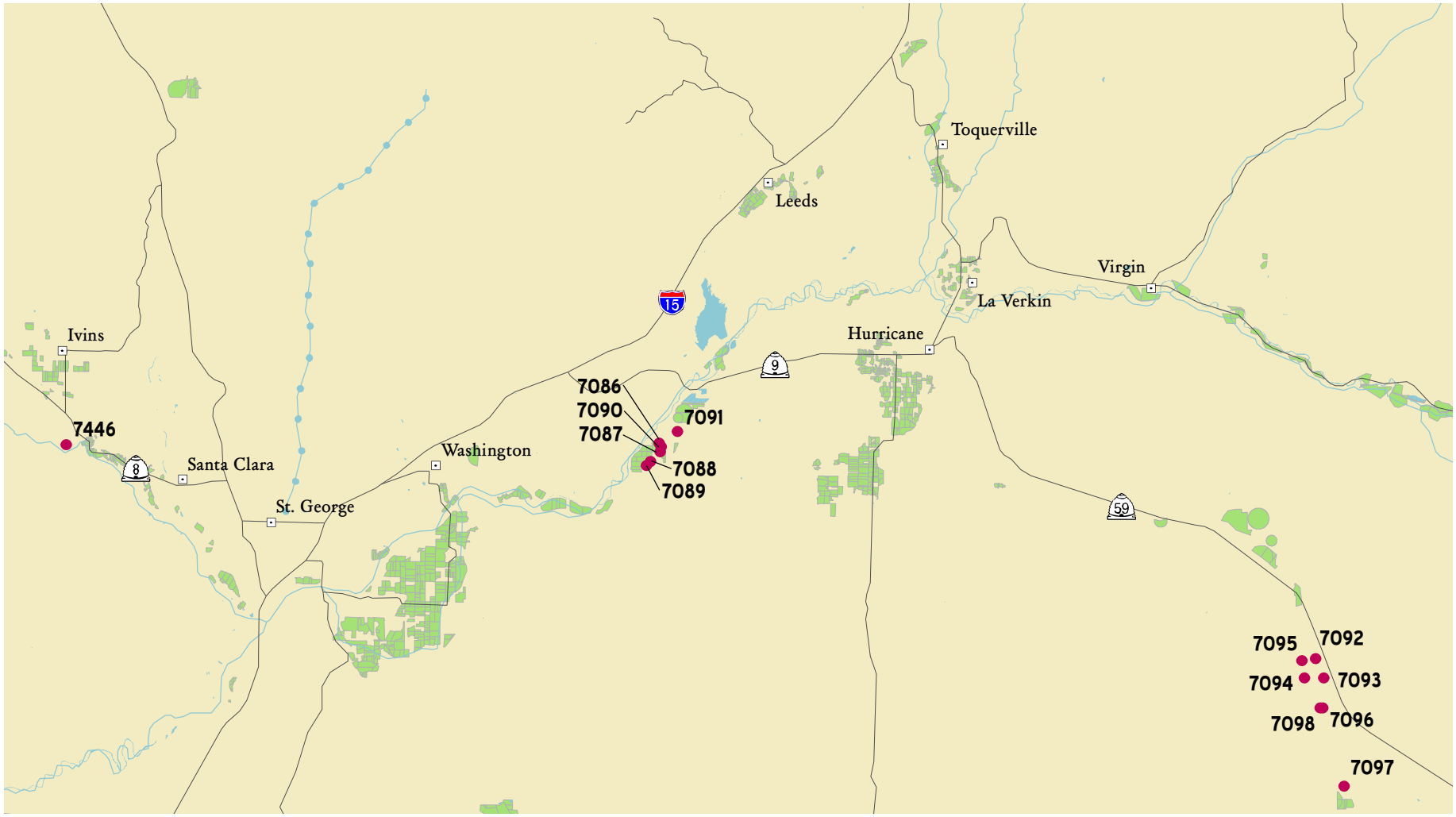
Map Scale 1:145,728 (1 inch = 2.3 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

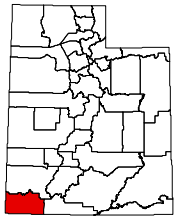
Map 32. Dixie District - St. George Area



Map Scale 1:240,768 (1 inch = 3.8 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



E & I District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7001	4/11/2007	ND	ND	50.7 F (10.4 C)	1021	792.0	0.900	628.3	Well	Clean	Well House	Steel	Sealed	✔	✔					
2	7002	4/11/2007	ND	ND	46.4 F (8.0 C)	1542	1060.	1.600	772.9	Well	Clean	Well House	Steel	Open	✔	✔					
3	7003	4/11/2007	ND	ND	54.0 F (12.2 C)	926	524.0	2.500	284.3	Well	Clean	Soil	Steel	Open	✔	✔					
4	7004	4/11/2007	ND	ND	51.6 F (10.9 C)	695	448.0	0.900	310.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
5	7005	4/11/2007	ND	ND	55.8 F (13.2 C)	534	360.0	1.400	194.0	Well	Clean	Well House	Steel	Sealed	✔	✔					
6	7006	4/11/2007	ND	ND	50.2 F (10.1 C)	558	357.0	1.000	233.8	Well	Clean	Soil	Steel	Sealed	✔	✔					
7	7007	4/11/2007	ND	ND	55.4 F (13.0 C)	391	269.0	0.700	180.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
8	7008	4/11/2007	ND	ND	53.6 F (12.0 C)	434	278.0	0.700	180.7	Well	Clean	Soil	Steel	Subsidence	✔	✔					
9	7009	4/11/2007	ND	ND	54.0 F (12.2 C)	742	449.0	0.700	321.0	Well	Clean	Soil	PVC	Sealed	✔	✔					
10	7010	4/11/2007	ND	ND	48.9 F (9.4 C)	441	257.0	0.900	150.3	Well	Livestock	Soil	Steel	Sealed	✔	✔					
11	7011	4/11/2007	ND	ND	57.4 F (14.1 C)	722	427.0	0.400	344.8	Well	Clean	Soil	Steel	Sealed	✔	✔					
12	7012	4/11/2007	POS	ND	54.3 F (12.4 C)	886	529.0	0.500	426.0	Well	Clean	Concrete Pad	Steel	Sealed		✔					
13	7013	4/11/2007	ND	ND	52.2 F (11.2 C)	792	483.0	0.500	383.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
14	7014	4/11/2007	ND	ND	52.7 F (11.5 C)	1496	890.0	0.500	717.8	Well	Clean	Well House	Steel	Sealed	✔	✔					
15	7015	4/11/2007	ND	ND	55.0 F (12.8 C)	382	238.0	0.900	134.5	Well	Livestock	Well House	Steel	Open	✔	✔					
16	7016	4/11/2007	POS	ND	53.6 F (12.0 C)	518	334.0	0.700	214.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
17	7017	4/11/2007	ND	ND	60.1 F (15.6 C)	289	181.0	0.500	124.2	Well	Clean	Soil	Steel	Sealed	✔	✔					
18	7018	4/11/2007	ND	ND	54.5 F (12.5 C)	377	241.0	1.700	94.30	Well	Clean	Soil	Steel	Sealed							
19	7019	4/11/2007	ND	ND	51.3 F (10.7 C)	759	435.0	0.700	350.7	Well	Clean	Soil	Steel	Sealed	✔						
20	7020	4/11/2007	ND	ND	50.0 F (10.0 C)	545	316.0	0.500	261.9	Well	Clean	Soil	Steel	Sealed	✔						
21	7021	4/11/2007	ND	ND	50.0 F (10.0 C)	520	300.0	0.400	248.3	Well	Clean	Well House	Steel	Sealed	✔						
22	7022	4/11/2007	ND	ND	52.7 F (11.5 C)	457	236.0	1.900	110.3	Well	Clean	Soil	Steel	Sealed	✔						
23	7023	4/11/2007	ND	ND	55.8 F (13.2 C)	669	400.0	3.400	123.6	Well	Clean	Soil	Steel	Sealed	✔	✔					
24	7024	4/11/2007	ND	ND	55.9 F (13.3 C)	939	585.0	1.100	392.3	Well	Livestock	Covered	Steel	Sealed	✔	✔					
25	7104	5/16/2007	ND	ND	58.8 F (14.9 C)	402	258.0	0.800	166.9	Well	Clean	Gravel	Steel	Sealed	✔	✔					
26	7105	5/16/2007	ND	ND	59.0 F (15.0 C)	426	272.0	0.800	173.9	Well	Surface Water	Gravel	Steel	Sealed		✔					
27	7198	7/18/2007	ND	ND	66.6 F (19.2 C)	399	258.0	0.600	168.9	Well	Clean	Concrete Pad	Steel	Open		✔					
28	7199	7/18/2007	POS	ND	60.1 F (15.6 C)	499	250.0	0.900	140.3	Well	Chemicals	Gravel	Steel	Open		✔					
29	7200	7/18/2007	ND	ND	63.5 F (17.5 C)	456	509.0	4.200	67.40	Well	Loam	Concrete Pad	Steel	Sealed		✔					
30	7201	7/18/2007	POS	ND	59.2 F (15.1 C)	1304	826.0	2.200	570.4	Well	Chemicals	Natural	Steel	Open		✔					
31	7202	7/18/2007	ND	ND	59.0 F (15.0 C)	330	404.0	0.900	132.5	Well	Vegetated	Pit Masonry	Steel	Sealed	✔	✔					
32	7203	7/18/2007	POS	ND	54.7 F (12.6 C)	560	353.0	0.600	284.1	Well	Loam	Natural	Steel	Sealed		✔					
33	7294	8/28/2007	POS	ND	47.8 F (8.8 C)	439	306.0	0.100	280.4	Spring	Vegetated	Concrete Pad	Concrete	Sealed	✔	✔					
34	7297	8/29/2007	POS	POS	55.8 F (13.2 C)	339	198.0	0.100	173.3	Spring	Vegetated	Natural	PVC	Open	✔	✔					
35	7298	8/29/2007	POS	ND	49.8 F (9.9 C)	243	149.0	0.800	86.40	Well	Vegetated	Gravel	Steel	Sealed	✔	✔					
36	7299	8/29/2007	POS	ND	64.2 F (17.9 C)	556	399.0	0.200	362.3	Spring	Vegetated	Natural	Steel	Sealed	✔	✔					

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperatura	EC				Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
37	7300	8/29/2007	POS	ND	59.0 F (15.0 C)	599	385.0	0.200	345.8	Spring	Vegetated	Natural	Steel	Sealed	✔	✔					
38	7301	8/29/2007	ND	ND	55.2 F (12.9 C)	616	394.0	0.200	345.0	Spring	Vegetated	Natural	Steel	Sealed	✔	✔					
39	7447	11/7/2007	ND	ND	59.5 F (15.3 C)	355	237.0	0.900	116.8	Well	Vegetated	Lawn	Steel	Sealed	✔	✔					
40	7448	11/7/2007	ND	ND	61.5 F (16.4 C)	463	305.0	0.900	178.2	Well	Clean	Pit Wood	Steel	Sealed	✔	✔					
41	7449	11/7/2007	ND	ND	54.5 F (12.5 C)	770	409.0	0.800	344.1	Well	Clean	Well House	Steel	Open	✔	✔					
42	7450	11/7/2007	POS	ND	56.8 F (13.8 C)	1415	1031.	0.900	855.6	Well	Clean	Soil	Steel	Sealed	✔	✔					
43	7451	11/7/2007	ND	ND	59.2 F (15.1 C)	925	605.0	2.200	327.8	Well	Clean	Soil	Steel	Sealed	✔	✔					
44	7452	11/7/2007	ND	ND	52.3 F (11.3 C)	831	566.0	0.400	482.8	Well	Livestock	Soil	Steel	Sealed	✔	✔					
45	7453	11/7/2007	POS	ND	61.9 F (16.6 C)	986	735.0	0.900	570.1	Well	Clean	Soil	PVC	Sealed	✔	✔					
46	7454	11/7/2007	ND	ND	57.9 F (14.4 C)	858	602.0	0.900	456.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
47	7455	11/7/2007	ND	ND	56.3 F (13.5 C)	448	280.0	1.000	165.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
48	7456	11/7/2007	ND	ND	57.0 F (13.9 C)	723	494.0	1.100	330.6	Well	Clean	Soil	Steel	Open	✔	✔					
49	7457	11/7/2007	POS	ND	63.3 F (17.4 C)	714	414.0	1.000	316.9	Well	Livestock	Soil	Steel	Open							
Bacteria Positive Sample Count			**13**	**1**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7001	4/24/2007	ND	0.1342	ND	97.9823	35.9467	ND	ND	ND	0.0096	ND	ND	270.9720	2.6815	0.0498	93.0519
2	7002	4/23/2007	ND	0.3254	ND	189.0102	337.6971	ND	ND	ND	0.0057	ND	ND	171.4280	6.6849	0.0491	72.9162
3	7003	4/23/2007	ND	0.1824	ND	44.6258	186.1175	ND	ND	ND	0.0050	ND	ND	149.4740	5.3110	0.0564	41.9176
4	7004	4/23/2007	ND	0.1246	ND	95.8911	73.0846	ND	ND	0.0008	0.0069	ND	ND	157.0410	9.5919	0.0708	17.0661
5	7005	4/23/2007	ND	0.1212	ND	59.1964	54.9074	ND	ND	ND	0.0057	ND	0.0147	154.3400	8.6145	0.0788	11.1642
6	7006	4/23/2007	ND	0.1045	ND	71.3168	44.4345	ND	ND	0.0008	0.0086	ND	0.0326	157.7030	8.6282	0.0683	13.4789
7	7007	4/23/2007	ND	0.0822	ND	57.0556	16.3802	ND	ND	ND	0.0047	ND	0.1101	159.8650	6.3202	0.0410	9.0899
8	7008	4/23/2007	ND	0.0817	ND	55.6525	20.1372	ND	ND	0.0017	0.0085	ND	ND	159.7750	6.4885	0.0453	10.0935
9	7009	4/23/2007	ND	0.0994	ND	106.3624	101.4363	ND	ND	0.0027	0.0088	ND	ND	166.1900	8.5840	0.0396	13.3804
10	7010	4/23/2007	ND	0.0574	ND	45.6864	27.8043	ND	ND	0.0028	0.0089	ND	ND	177.3550	6.3535	0.0260	8.7481
11	7011	4/23/2007	ND	0.0313	ND	106.3816	89.5910	ND	ND	ND	0.0130	ND	ND	248.6390	5.8168	0.0143	19.1307
12	7012	4/23/2007	ND	0.0407	ND	129.8574	115.8428	ND	ND	0.0018	0.0135	ND	ND	252.7490	6.0622	0.0141	24.6045
13	7013	4/23/2007	ND	0.0335	ND	117.4030	76.3759	ND	ND	0.0011	0.0203	ND	ND	303.4650	5.9608	0.0132	21.8359
14	7014	4/23/2007	ND	0.0445	ND	217.1033	397.3782	ND	ND	0.0011	0.0108	ND	ND	119.0200	11.1570	0.0316	42.4806
15	7015	4/23/2007	ND	0.0573	ND	40.8912	15.1004	ND	ND	0.0027	0.0074	ND	0.0164	159.9960	6.0434	0.0209	7.8322
16	7016	4/23/2007	ND	0.0848	ND	64.9826	47.0494	ND	ND	0.0022	0.0077	ND	ND	157.6530	7.4867	0.0335	12.6367
17	7017	4/23/2007	ND	0.0483	ND	32.6415	20.6827	ND	ND	0.0034	0.0016	ND	ND	156.4550	4.6585	0.0212	10.3448
18	7018	4/23/2007	ND	0.0803	ND	34.5541	ND	ND	ND	0.0007	0.0082	ND	ND	195.2920	5.0223	0.0213	1.9311
19	7019	4/23/2007	ND	0.0756	ND	105.7495	61.2866	ND	ND	ND	0.0060	ND	ND	366.8370	1.8675	0.0174	20.9623
20	7020	4/23/2007	ND	0.0408	ND	82.0646	19.4484	ND	ND	ND	0.0098	ND	ND	305.2900	1.5538	0.0048	13.7618
21	7021	4/23/2007	ND	0.0402	ND	77.9528	18.1546	ND	ND	ND	0.0122	ND	ND	297.0520	1.4139	0.0041	12.9608
22	7022	4/23/2007	ND	0.2223	ND	32.9550	67.2176	ND	ND	ND	0.0043	ND	ND	132.5010	1.3246	0.0196	6.7718
23	7023	4/23/2007	ND	0.2196	ND	36.4853	54.1636	ND	ND	0.0032	0.0071	ND	ND	200.4760	3.5260	0.0313	7.8654
24	7024	4/23/2007	ND	0.1000	ND	111.1459	87.6875	ND	ND	0.0015	0.0265	ND	ND	298.3920	3.2757	0.0146	27.7757
25	7104	5/21/2007	ND	0.0541	ND	47.3143	20.2992	ND	ND	0.0016	0.0042	ND	ND	223.9340	3.6019	0.0146	11.8034
26	7105	5/21/2007	ND	0.0571	ND	49.5222	22.1977	ND	ND	0.0014	0.0098	ND	ND	234.4700	3.5495	0.0145	12.1523
27	7198	7/20/2007	ND	0.0408	ND	50.0693	40.7596	ND	ND	0.0023	0.0084	ND	ND	149.6900	5.8021	0.0036	10.6181
28	7199	7/20/2007	ND	0.0565	ND	39.0982	25.0614	ND	ND	0.0014	0.0084	ND	0.1537	213.4940	4.5989	ND	10.3362
29	7200	7/20/2007	ND	0.0586	ND	15.9028	59.5595	ND	ND	0.0026	0.0082	ND	ND	640.1970	1.6611	0.0057	6.7073
30	7201	7/20/2007	ND	0.0489	ND	99.6922	324.9013	ND	ND	0.0053	0.0134	ND	0.2002	260.4050	3.4084	0.0197	77.9628
31	7202	7/20/2007	ND	0.0324	ND	26.8247	12.3343	ND	ND	0.0026	0.0077	ND	ND	605.8530	0.6310	0.0050	15.8781
32	7203	7/20/2007	ND	0.0381	ND	79.4434	18.6038	ND	ND	0.0026	0.0057	ND	ND	306.2470	1.1983	0.0061	20.7486
33	7294	8/31/2007	ND	0.0236	ND	88.8351	ND	ND	ND	0.0018	0.0069	ND	0.0686	370.4300	0.5781	0.0052	14.1485
34	7297	8/31/2007	ND	0.0227	ND	51.1049	ND	ND	ND	0.0012	0.0123	ND	ND	210.6600	1.9856	0.0036	11.0625
35	7298	8/31/2007	ND	0.0131	ND	23.6336	ND	ND	ND	0.0011	0.0040	ND	0.0131	155.5770	1.4982	0.0034	6.6414
36	7299	8/31/2007	ND	0.0272	ND	95.3525	ND	ND	ND	0.0014	0.0100	ND	ND	388.2470	2.9342	0.0172	30.0664

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
37	7300	8/31/2007	ND	0.0256	ND	99.2941	ND	ND	ND	0.0020	0.0086	ND	ND	388.7590	2.0870	0.0078	23.6696
38	7301	8/31/2007	ND	0.0257	ND	93.3680	ND	ND	ND	0.0020	0.0066	ND	ND	397.9810	2.5943	0.0126	27.0754
39	7447	11/8/2007	ND	0.1743	ND	34.5134	34.0877	ND	ND	0.0029	0.0153	ND	0.0231	166.1430	6.1862	0.0289	7.4118
40	7448	11/8/2007	ND	0.0676	ND	58.9316	18.6951	ND	ND	0.0033	0.0062	ND	ND	190.9070	7.4345	0.0213	7.4839
41	7449	11/8/2007	ND	0.0932	ND	107.9445	62.7758	ND	ND	0.0051	0.0127	ND	ND	163.7460	9.5378	0.0433	18.0124
42	7450	11/8/2007	ND	0.1200	ND	162.3568	214.9205	ND	ND	0.0026	0.0065	ND	7.7643	325.0960	4.7078	0.0828	109.1414
43	7451	11/8/2007	ND	0.2325	ND	59.1852	169.9908	ND	ND	0.0028	0.0033	ND	ND	284.5570	2.8205	0.0667	43.6545
44	7452	11/8/2007	ND	0.2700	ND	103.5172	ND	ND	ND	0.0019	0.0040	ND	ND	408.9320	2.7733	0.0883	54.3631
45	7453	11/8/2007	ND	0.0954	ND	112.8519	33.0736	ND	ND	0.0037	0.0137	ND	ND	275.1490	2.0139	0.0141	69.9054
46	7454	11/8/2007	ND	0.1234	ND	87.6719	38.4830	ND	ND	0.0032	0.0172	ND	ND	215.4800	1.7093	0.0290	57.6090
47	7455	11/8/2007	ND	0.1015	ND	49.8721	49.5032	ND	ND	0.0019	0.0054	ND	ND	132.5000	1.1986	0.0248	9.7895
48	7456	11/8/2007	ND	0.0746	ND	61.3383	20.6931	ND	ND	0.0016	0.0043	ND	ND	351.2010	6.9340	0.0075	43.0268
49	7457	11/8/2007	ND	0.1212	ND	62.1647	68.9345	ND	ND	0.0024	0.0039	ND	ND	263.1930	5.5192	0.0415	39.1875
Test Count that Exceeded Standard			0	0	0	0	12	0	0	0	0	0	1	49	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7001	4/24/2007	0.0079	0.0006	49.0707	0.0010	ND	ND	0.9000	ND	792.0000	ND	0.0037
2	7002	4/23/2007	0.0331	0.0009	99.3520	0.0010	ND	ND	1.6000	ND	1060.0000	ND	0.0175
3	7003	4/23/2007	0.0581	0.0056	95.8095	ND	ND	ND	2.5000	ND	524.0000	ND	ND
4	7004	4/23/2007	0.0018	0.0009	36.8417	ND	ND	ND	0.9000	ND	448.0000	0.0057	0.1290
5	7005	4/23/2007	0.0057	0.0036	44.7430	ND	ND	ND	1.4000	ND	360.0000	0.0065	0.0262
6	7006	4/23/2007	0.0170	0.0022	34.2027	ND	ND	ND	1.0000	ND	357.0000	0.0054	0.1292
7	7007	4/23/2007	0.0247	0.0013	22.5489	ND	ND	ND	0.7000	ND	269.0000	0.0045	0.2373
8	7008	4/23/2007	0.0013	0.0010	20.4144	ND	ND	ND	0.7000	ND	278.0000	0.0065	0.0074
9	7009	4/23/2007	0.0009	0.0005	28.6108	ND	ND	ND	0.7000	ND	449.0000	0.0037	0.1622
10	7010	4/23/2007	0.0008	0.0006	24.9570	ND	ND	ND	0.9000	ND	257.0000	0.0053	0.0124
11	7011	4/23/2007	0.0050	ND	19.1001	ND	ND	ND	0.4000	ND	427.0000	0.0027	0.3355
12	7012	4/23/2007	0.0034	ND	21.7941	ND	ND	ND	0.5000	ND	529.0000	0.0030	ND
13	7013	4/23/2007	0.0017	ND	20.8426	ND	ND	ND	0.5000	ND	483.0000	0.0030	0.3056
14	7014	4/23/2007	0.0022	ND	33.2990	0.0007	ND	ND	0.5000	0.0094	890.0000	0.0024	0.1169
15	7015	4/23/2007	0.0003	0.0008	23.9093	ND	ND	ND	0.9000	ND	238.0000	0.0046	ND
16	7016	4/23/2007	0.0014	0.0005	23.8204	ND	ND	ND	0.7000	ND	334.0000	0.0040	0.0870
17	7017	4/23/2007	0.0003	0.0007	11.9046	ND	ND	ND	0.5000	ND	181.0000	0.0050	ND
18	7018	4/23/2007	0.0008	0.0007	37.3607	ND	ND	ND	1.7000	ND	241.0000	ND	0.1446
19	7019	4/23/2007	0.0087	0.0018	31.5605	ND	ND	ND	0.7000	ND	435.0000	ND	1.5420
20	7020	4/23/2007	0.0010	0.0012	19.1720	ND	ND	ND	0.5000	ND	316.0000	ND	0.0028
21	7021	4/23/2007	0.0054	0.0014	15.2618	ND	ND	ND	0.4000	ND	300.0000	ND	0.2374
22	7022	4/23/2007	0.0490	0.0091	46.0886	ND	ND	ND	1.9000	ND	236.0000	ND	0.0932
23	7023	4/23/2007	0.0044	0.0063	87.8640	ND	ND	ND	3.4000	ND	400.0000	0.0119	1.1830
24	7024	4/23/2007	0.0007	0.0009	51.8618	ND	ND	ND	1.1000	ND	585.0000	0.0045	0.0334
25	7104	5/21/2007	ND	0.0011	22.7220	ND	ND	ND	0.8000	ND	258.0000	0.0050	0.1138
26	7105	5/21/2007	0.0046	0.0011	23.8466	0.0011	ND	ND	0.8000	ND	272.0000	0.0046	0.9543
27	7198	7/20/2007	ND	0.0006	17.0136	ND	ND	ND	0.6000	ND	258.0000	0.0132	0.0030
28	7199	7/20/2007	0.0201	0.0007	24.0080	0.0010	ND	ND	0.9000	ND	250.0000	0.0073	0.0157
29	7200	7/20/2007	0.0007	0.0012	79.5929	ND	ND	ND	4.2000	ND	509.0000	0.0231	ND
30	7201	7/20/2007	0.0179	ND	118.4000	ND	ND	ND	2.2000	ND	826.0000	0.0063	0.0094
31	7202	7/20/2007	0.0005	0.0005	23.9483	ND	ND	ND	0.9000	ND	404.0000	0.0216	0.0301
32	7203	7/20/2007	ND	ND	22.4370	ND	ND	ND	0.6000	ND	353.0000	0.0106	0.0024
33	7294	8/31/2007	0.0412	ND	2.0045	ND	ND	ND	0.1000	ND	306.0000	ND	0.0094
34	7297	8/31/2007	0.0003	0.0005	3.7070	ND	ND	ND	0.1000	ND	198.0000	ND	0.0064
35	7298	8/31/2007	0.0013	ND	16.2457	ND	ND	ND	0.8000	ND	149.0000	0.0040	0.0757
36	7299	8/31/2007	0.0007	ND	8.4987	ND	ND	ND	0.2000	ND	399.0000	ND	0.0400

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
37	7300	8/31/2007	0.0035	ND	7.8883	ND	ND	ND	0.2000	ND	385.0000	ND	0.0053
38	7301	8/31/2007	0.0003	ND	10.3263	ND	ND	ND	0.2000	ND	394.0000	ND	0.0029
39	7447	11/8/2007	0.3858	0.0029	23.3919	0.0016	ND	ND	0.9000	ND	237.0000	ND	0.0354
40	7448	11/8/2007	0.0030	0.0008	28.0066	ND	ND	ND	0.9000	ND	305.0000	0.0066	0.0681
41	7449	11/8/2007	0.0004	0.0006	34.8200	ND	ND	ND	0.8000	ND	409.0000	0.0052	0.1187
42	7450	11/8/2007	0.0014	0.0006	58.0721	0.0007	ND	ND	0.9000	ND	1031.0000	0.0057	0.0765
43	7451	11/8/2007	0.1555	0.0013	90.7901	0.0013	ND	ND	2.2000	ND	605.0000	ND	0.3869
44	7452	11/8/2007	0.0003	0.0025	21.3782	ND	ND	ND	0.4000	ND	566.0000	ND	0.0151
45	7453	11/8/2007	0.0016	ND	49.4195	0.0008	ND	ND	0.9000	ND	735.0000	ND	0.0199
46	7454	11/8/2007	0.0003	ND	44.4558	0.0009	ND	ND	0.9000	ND	602.0000	0.0044	0.0855
47	7455	11/8/2007	0.0498	0.0005	29.8378	ND	ND	ND	1.0000	ND	280.0000	ND	0.0263
48	7456	11/8/2007	0.0067	0.0013	46.2249	ND	ND	ND	1.1000	ND	494.0000	0.0027	0.2017
49	7457	11/8/2007	0.0100	0.0011	39.2770	ND	ND	ND	1.0000	ND	414.0000	0.0060	0.0165
Test Count that Exceeded Standard:			1	0	6	0	0	0	2	0	48	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7001	4/24/2007	ND	ND	0.1342	ND	ND	ND	ND	0.0096	ND	ND	ND	ND	7.7200	ND	359.1257	792.0000	0.0037
2	7002	4/23/2007	ND	0.0024	0.3254	ND	ND	ND	ND	0.0057	ND	ND	ND	ND	7.5700	ND	254.0009	1060.0000	0.0175
3	7003	4/23/2007	ND	0.0108	0.1824	ND	ND	ND	ND	0.0050	ND	ND	ND	ND	8.0100	ND	66.9592	524.0000	ND
4	7004	4/23/2007	ND	0.0042	0.1246	ND	ND	ND	0.0008	0.0069	ND	ND	ND	ND	7.8200	ND	104.7903	448.0000	0.1290
5	7005	4/23/2007	ND	0.0071	0.1212	ND	ND	ND	ND	0.0057	ND	ND	ND	ND	7.8900	ND	71.7657	360.0000	0.0262
6	7006	4/23/2007	ND	0.0053	0.1045	ND	ND	ND	0.0008	0.0086	ND	ND	ND	ND	7.8900	ND	74.5298	357.0000	0.1292
7	7007	4/23/2007	ND	0.0037	0.0822	ND	ND	ND	ND	0.0047	ND	ND	ND	ND	7.8900	ND	47.7049	269.0000	0.2373
8	7008	4/23/2007	ND	0.0058	0.0817	ND	ND	ND	0.0017	0.0085	ND	ND	ND	ND	7.9600	ND	56.0792	278.0000	0.0074
9	7009	4/23/2007	ND	0.0025	0.0994	ND	ND	ND	0.0027	0.0088	ND	ND	11.4153	ND	7.9500	ND	73.7426	449.0000	0.1622
10	7010	4/23/2007	ND	0.0051	0.0574	ND	ND	ND	0.0028	0.0089	ND	ND	ND	ND	8.0300	ND	ND	257.0000	0.0124
11	7011	4/23/2007	ND	ND	0.0313	ND	ND	ND	ND	0.0130	ND	ND	14.1477	ND	7.7100	ND	ND	427.0000	0.3355
12	7012	4/23/2007	ND	0.0020	0.0407	ND	ND	ND	0.0018	0.0135	ND	ND	24.2384	ND	7.7200	ND	62.1909	529.0000	ND
13	7013	4/23/2007	ND	ND	0.0335	ND	ND	ND	0.0011	0.0203	ND	ND	22.9806	ND	7.7900	ND	49.7821	483.0000	0.3056
14	7014	4/23/2007	ND	0.0042	0.0445	ND	ND	ND	0.0011	0.0108	ND	ND	ND	ND	7.7200	0.0094	100.4290	890.0000	0.1169
15	7015	4/23/2007	ND	0.0129	0.0573	ND	ND	ND	0.0027	0.0074	ND	ND	ND	ND	7.9900	ND	35.9271	238.0000	ND
16	7016	4/23/2007	ND	0.0069	0.0848	ND	ND	ND	0.0022	0.0077	ND	ND	ND	ND	7.9800	ND	68.3758	334.0000	0.0870
17	7017	4/23/2007	ND	0.0020	0.0483	ND	ND	ND	0.0034	0.0016	ND	ND	ND	ND	8.1100	ND	ND	181.0000	ND
18	7018	4/23/2007	ND	0.0054	0.0803	ND	ND	ND	0.0007	0.0082	ND	ND	14.2034	ND	7.9700	ND	ND	241.0000	0.1446
19	7019	4/23/2007	ND	0.0031	0.0756	ND	ND	ND	ND	0.0060	ND	ND	ND	ND	8.1100	ND	ND	435.0000	1.5420
20	7020	4/23/2007	ND	ND	0.0408	ND	ND	ND	ND	0.0098	ND	ND	ND	ND	7.9000	ND	ND	316.0000	0.0028
21	7021	4/23/2007	ND	ND	0.0402	ND	ND	ND	ND	0.0122	ND	ND	ND	ND	8.0100	ND	ND	300.0000	0.2374
22	7022	4/23/2007	ND	ND	0.2223	ND	ND	ND	ND	0.0043	ND	ND	ND	ND	8.2500	ND	ND	236.0000	0.0932
23	7023	4/23/2007	ND	0.0168	0.2196	ND	ND	ND	0.0032	0.0071	ND	ND	ND	ND	8.0500	ND	92.3863	400.0000	1.1830
24	7024	4/23/2007	ND	0.0083	0.1000	ND	ND	ND	0.0015	0.0265	ND	ND	99.0452	ND	7.8800	ND	42.5828	585.0000	0.0334
25	7104	5/21/2007	ND	0.0028	0.0541	ND	ND	ND	0.0016	0.0042	ND	ND	ND	ND	7.9700	ND	ND	258.0000	0.1138
26	7105	5/21/2007	ND	0.0028	0.0571	ND	ND	ND	0.0014	0.0098	ND	ND	ND	ND	8.0300	ND	ND	272.0000	0.9543
27	7198	7/20/2007	ND	0.0019	0.0408	ND	ND	ND	0.0023	0.0084	ND	ND	ND	ND	7.8200	ND	ND	258.0000	0.0030
28	7199	7/20/2007	ND	ND	0.0565	ND	ND	ND	0.0014	0.0084	ND	ND	ND	ND	7.8500	ND	ND	250.0000	0.0157
29	7200	7/20/2007	ND	0.0093	0.0586	ND	ND	ND	0.0026	0.0082	ND	ND	ND	ND	8.2500	ND	ND	509.0000	ND
30	7201	7/20/2007	ND	ND	0.0489	ND	ND	ND	0.0053	0.0134	ND	ND	10.6598	ND	7.6200	ND	49.9130	826.0000	0.0094
31	7202	7/20/2007	ND	0.0039	0.0324	ND	ND	ND	0.0026	0.0077	ND	ND	ND	ND	7.9700	ND	ND	404.0000	0.0301
32	7203	7/20/2007	ND	0.0030	0.0381	ND	ND	ND	0.0026	0.0057	ND	ND	21.6384	ND	7.7100	ND	ND	353.0000	0.0024
33	7294	8/31/2007	ND	ND	0.0236	ND	ND	ND	0.0018	0.0069	ND	ND	ND	ND	7.4800	ND	ND	306.0000	0.0094
34	7297	8/31/2007	ND	ND	0.0227	ND	ND	ND	0.0012	0.0123	ND	ND	ND	ND	7.6000	ND	ND	198.0000	0.0064
35	7298	8/31/2007	ND	ND	0.0131	ND	ND	ND	0.0011	0.0040	ND	ND	ND	ND	8.0700	ND	ND	149.0000	0.0757
36	7299	8/31/2007	ND	ND	0.0272	ND	ND	ND	0.0014	0.0100	ND	ND	ND	ND	7.6400	ND	58.1018	399.0000	0.0400

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
37	7300	8/31/2007	ND	ND	0.0256	ND	ND	ND	0.0020	0.0086	ND	ND	ND	ND	7.3700	ND	50.5760	385.0000	0.0053
38	7301	8/31/2007	ND	ND	0.0257	ND	ND	ND	0.0020	0.0066	ND	ND	ND	ND	7.5200	ND	54.9218	394.0000	0.0029
39	7447	11/8/2007	ND	0.0032	0.1743	ND	ND	ND	0.0029	0.0153	ND	ND	ND	ND	7.8900	ND	ND	237.0000	0.0354
40	7448	11/8/2007	ND	0.0041	0.0676	ND	ND	ND	0.0033	0.0062	ND	ND	ND	ND	7.7400	ND	62.4420	305.0000	0.0681
41	7449	11/8/2007	ND	0.0034	0.0932	ND	ND	ND	0.0051	0.0127	ND	ND	ND	ND	7.7100	ND	67.1431	409.0000	0.1187
42	7450	11/8/2007	ND	0.0041	0.1200	ND	ND	ND	0.0026	0.0065	ND	ND	ND	ND	7.1200	ND	318.0166	1031.0000	0.0765
43	7451	11/8/2007	ND	ND	0.2325	ND	ND	ND	0.0028	0.0033	ND	ND	ND	ND	8.0100	ND	91.1701	605.0000	0.3869
44	7452	11/8/2007	ND	ND	0.2700	ND	ND	ND	0.0019	0.0040	ND	ND	32.0421	ND	7.4900	ND	134.8238	566.0000	0.0151
45	7453	11/8/2007	ND	ND	0.0954	ND	ND	ND	0.0037	0.0137	ND	ND	ND	ND	7.8900	ND	321.5396	735.0000	0.0199
46	7454	11/8/2007	ND	0.0023	0.1234	ND	ND	ND	0.0032	0.0172	ND	ND	ND	ND	7.7000	ND	262.4490	602.0000	0.0855
47	7455	11/8/2007	ND	ND	0.1015	ND	ND	ND	0.0019	0.0054	ND	ND	ND	ND	7.7200	ND	70.5985	280.0000	0.0263
48	7456	11/8/2007	ND	ND	0.0746	ND	ND	ND	0.0016	0.0043	ND	ND	ND	ND	7.7700	ND	123.4319	494.0000	0.2017
49	7457	11/8/2007	ND	0.0101	0.1212	ND	ND	ND	0.0024	0.0039	ND	ND	ND	ND	7.7300	ND	53.0248	414.0000	0.0165
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7001	4/24/2007	ND	0.0104	ND	ND	ND	ND	0.0096	ND	ND	49.0707	0.0010	ND	ND	ND	359.1257	792.0000
2	7002	4/23/2007	0.0024	0.0238	ND	ND	ND	ND	0.0057	ND	ND	99.3520	0.0010	ND	ND	ND	254.0009	1060.0000
3	7003	4/23/2007	0.0108	0.0736	ND	ND	ND	ND	0.0050	ND	ND	95.8095	ND	ND	ND	ND	66.9592	524.0000
4	7004	4/23/2007	0.0042	0.0270	ND	ND	ND	0.0008	0.0069	ND	ND	36.8417	ND	ND	ND	ND	104.7903	448.0000
5	7005	4/23/2007	0.0071	0.0162	ND	ND	ND	ND	0.0057	ND	ND	44.7430	ND	ND	ND	ND	71.7657	360.0000
6	7006	4/23/2007	0.0053	0.0200	ND	ND	ND	0.0008	0.0086	ND	ND	34.2027	ND	ND	ND	ND	74.5298	357.0000
7	7007	4/23/2007	0.0037	0.0140	ND	ND	ND	ND	0.0047	ND	ND	22.5489	ND	ND	ND	ND	47.7049	269.0000
8	7008	4/23/2007	0.0058	0.0157	ND	ND	ND	0.0017	0.0085	ND	ND	20.4144	ND	ND	ND	ND	56.0792	278.0000
9	7009	4/23/2007	0.0025	0.0413	ND	ND	ND	0.0027	0.0088	ND	ND	28.6108	ND	11.4153	ND	ND	73.7426	449.0000
10	7010	4/23/2007	0.0051	0.0152	ND	ND	ND	0.0028	0.0089	ND	ND	24.9570	ND	ND	ND	ND	ND	257.0000
11	7011	4/23/2007	ND	0.0316	ND	ND	ND	ND	0.0130	ND	ND	19.1001	ND	14.1477	ND	ND	ND	427.0000
12	7012	4/23/2007	0.0020	0.0380	ND	ND	ND	0.0018	0.0135	ND	ND	21.7941	ND	24.2384	ND	ND	62.1909	529.0000
13	7013	4/23/2007	ND	0.0340	ND	ND	ND	0.0011	0.0203	ND	ND	20.8426	ND	22.9806	ND	ND	49.7821	483.0000
14	7014	4/23/2007	0.0042	0.0907	ND	ND	ND	0.0011	0.0108	ND	ND	33.2990	0.0007	ND	ND	0.0094	100.4290	890.0000
15	7015	4/23/2007	0.0129	0.0160	ND	ND	ND	0.0027	0.0074	ND	ND	23.9093	ND	ND	ND	ND	35.9271	238.0000
16	7016	4/23/2007	0.0069	0.0254	ND	ND	ND	0.0022	0.0077	ND	ND	23.8204	ND	ND	ND	ND	68.3758	334.0000
17	7017	4/23/2007	0.0020	0.0260	ND	ND	ND	0.0034	0.0016	ND	ND	11.9046	ND	ND	ND	ND	ND	181.0000
18	7018	4/23/2007	0.0054	0.0143	ND	ND	ND	0.0007	0.0082	ND	ND	37.3607	ND	14.2034	ND	ND	ND	241.0000
19	7019	4/23/2007	0.0031	0.0076	ND	ND	ND	ND	0.0060	ND	ND	31.5605	ND	ND	ND	ND	ND	435.0000
20	7020	4/23/2007	ND	0.0060	ND	ND	ND	ND	0.0098	ND	ND	19.1720	ND	ND	ND	ND	ND	316.0000
21	7021	4/23/2007	ND	0.0050	ND	ND	ND	ND	0.0122	ND	ND	15.2618	ND	ND	ND	ND	ND	300.0000
22	7022	4/23/2007	ND	0.0171	ND	ND	ND	ND	0.0043	ND	ND	46.0886	ND	ND	ND	ND	ND	236.0000
23	7023	4/23/2007	0.0168	0.0348	ND	ND	ND	0.0032	0.0071	ND	ND	87.8640	ND	ND	ND	ND	92.3863	400.0000
24	7024	4/23/2007	0.0083	0.1104	ND	ND	ND	0.0015	0.0265	ND	ND	51.8618	ND	99.0452	ND	ND	42.5828	585.0000
25	7104	5/21/2007	0.0028	ND	ND	ND	ND	0.0016	0.0042	ND	ND	22.7220	ND	ND	ND	ND	ND	258.0000
26	7105	5/21/2007	0.0028	0.0017	ND	ND	ND	0.0014	0.0098	ND	ND	23.8466	0.0011	ND	ND	ND	ND	272.0000
27	7198	7/20/2007	0.0019	0.0129	ND	ND	ND	0.0023	0.0084	ND	ND	17.0136	ND	ND	ND	ND	ND	258.0000
28	7199	7/20/2007	ND	0.0026	ND	ND	ND	0.0014	0.0084	ND	ND	24.0080	0.0010	ND	ND	ND	ND	250.0000
29	7200	7/20/2007	0.0093	0.0034	ND	ND	ND	0.0026	0.0082	ND	ND	79.5929	ND	ND	ND	ND	ND	509.0000
30	7201	7/20/2007	ND	0.0218	ND	ND	ND	0.0053	0.0134	ND	ND	118.4000	ND	10.6598	ND	ND	49.9130	826.0000
31	7202	7/20/2007	0.0039	0.0079	ND	ND	ND	0.0026	0.0077	ND	ND	23.9483	ND	ND	ND	ND	ND	404.0000
32	7203	7/20/2007	0.0030	0.0093	ND	ND	ND	0.0026	0.0057	ND	ND	22.4370	ND	21.6384	ND	ND	ND	353.0000
33	7294	8/31/2007	ND	0.0608	ND	ND	ND	0.0018	0.0069	ND	ND	2.0045	ND	ND	ND	ND	ND	306.0000
34	7297	8/31/2007	ND	0.0320	ND	ND	ND	0.0012	0.0123	ND	ND	3.7070	ND	ND	ND	ND	ND	198.0000
35	7298	8/31/2007	ND	0.0132	ND	ND	ND	0.0011	0.0040	ND	ND	16.2457	ND	ND	ND	ND	ND	149.0000
36	7299	8/31/2007	ND	0.0319	ND	ND	ND	0.0014	0.0100	ND	ND	8.4987	ND	ND	ND	ND	58.1018	399.0000

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	**Tested Date**	**As mg/L**	**Ba mg/L**	**Be mg/L**	**Cd mg/L**	**ClO4 ug/L**	**Cr mg/L**	**Cu mg/L**	**F mg/L**	**Hg ug/L**	**Na mg/L**	**Ni mg/L**	**NO3 mg/L**	**Pb mg/L**	**Se mg/L**	**SO4 mg/L**	**TDS mg/L**
37	7300	8/31/2007	ND	0.0410	ND	ND	ND	0.0020	0.0086	ND	ND	7.8883	ND	ND	ND	ND	50.5760	385.0000
38	7301	8/31/2007	ND	0.0359	ND	ND	ND	0.0020	0.0066	ND	ND	10.3263	ND	ND	ND	ND	54.9218	394.0000
39	7447	11/8/2007	0.0032	0.0540	ND	ND	ND	0.0029	0.0153	ND	ND	23.3919	0.0016	ND	ND	ND	ND	237.0000
40	7448	11/8/2007	0.0041	0.0170	ND	ND	ND	0.0033	0.0062	ND	ND	28.0066	ND	ND	ND	ND	62.4420	305.0000
41	7449	11/8/2007	0.0034	0.0249	ND	ND	ND	0.0051	0.0127	ND	ND	34.8200	ND	ND	ND	ND	67.1431	409.0000
42	7450	11/8/2007	0.0041	0.0359	ND	ND	ND	0.0026	0.0065	ND	ND	58.0721	0.0007	ND	ND	ND	318.0166	1031.0000
43	7451	11/8/2007	ND	0.0114	ND	ND	ND	0.0028	0.0033	ND	ND	90.7901	0.0013	ND	ND	ND	91.1701	605.0000
44	7452	11/8/2007	ND	0.0277	ND	ND	ND	0.0019	0.0040	ND	ND	21.3782	ND	32.0421	ND	ND	134.8238	566.0000
45	7453	11/8/2007	ND	0.0245	ND	ND	ND	0.0037	0.0137	ND	ND	49.4195	0.0008	ND	ND	ND	321.5396	735.0000
46	7454	11/8/2007	0.0023	0.0114	ND	ND	ND	0.0032	0.0172	ND	ND	44.4558	0.0009	ND	ND	ND	262.4490	602.0000
47	7455	11/8/2007	ND	0.0127	ND	ND	ND	0.0019	0.0054	ND	ND	29.8378	ND	ND	ND	ND	70.5985	280.0000
48	7456	11/8/2007	ND	0.0416	ND	ND	ND	0.0016	0.0043	ND	ND	46.2249	ND	ND	ND	ND	123.4319	494.0000
49	7457	11/8/2007	0.0101	0.0277	ND	ND	ND	0.0024	0.0039	ND	ND	39.2770	ND	ND	ND	ND	53.0248	414.0000
Test Count that Exceeded Standard			4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

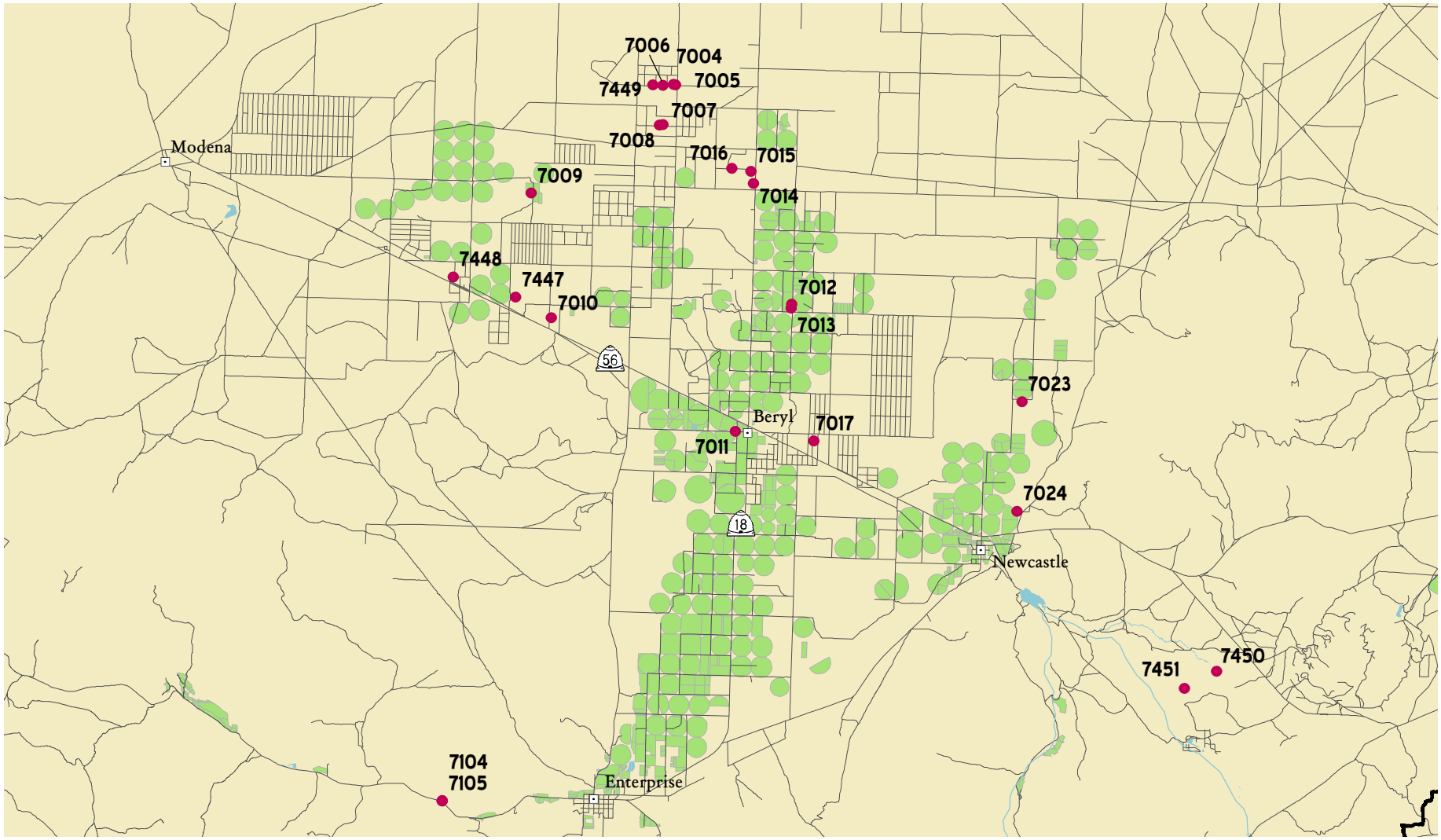
ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7001	4/24/2007	ND	ND	35.9467	0.0096	ND	ND	628.3000	0.0079	7.7200	11.9905	359.1257	792.0000	0.0037
2	7002	4/23/2007	ND	ND	337.6971	0.0057	ND	ND	772.9000	0.0331	7.5700	15.8335	254.0009	1060.0000	0.0175
3	7003	4/23/2007	ND	ND	186.1175	0.0050	ND	ND	284.3000	0.0581	8.0100	10.1715	66.9592	524.0000	ND
4	7004	4/23/2007	ND	ND	73.0846	0.0069	ND	ND	310.0000	0.0018	7.8200	31.1814	104.7903	448.0000	0.1290
5	7005	4/23/2007	ND	ND	54.9074	0.0057	ND	0.0147	194.0000	0.0057	7.8900	32.8558	71.7657	360.0000	0.0262
6	7006	4/23/2007	ND	ND	44.4345	0.0086	ND	0.0326	233.8000	0.0170	7.8900	32.6259	74.5298	357.0000	0.1292
7	7007	4/23/2007	ND	ND	16.3802	0.0047	ND	0.1101	180.1000	0.0247	7.8900	31.6181	47.7049	269.0000	0.2373
8	7008	4/23/2007	ND	ND	20.1372	0.0085	ND	ND	180.7000	0.0013	7.9600	28.2422	56.0792	278.0000	0.0074
9	7009	4/23/2007	ND	ND	101.4363	0.0088	ND	ND	321.0000	0.0009	7.9500	24.1855	73.7426	449.0000	0.1622
10	7010	4/23/2007	ND	ND	27.8043	0.0089	ND	ND	150.3000	0.0008	8.0300	26.9133	ND	257.0000	0.0124
11	7011	4/23/2007	ND	ND	89.5910	0.0130	ND	ND	344.8000	0.0050	7.7100	18.2403	ND	427.0000	0.3355
12	7012	4/23/2007	ND	ND	115.8428	0.0135	ND	ND	426.0000	0.0034	7.7200	19.3052	62.1909	529.0000	ND
13	7013	4/23/2007	ND	ND	76.3759	0.0203	ND	ND	383.5000	0.0017	7.7900	17.6725	49.7821	483.0000	0.3056
14	7014	4/23/2007	ND	ND	397.3782	0.0108	ND	ND	717.8000	0.0022	7.7200	26.2954	100.4290	890.0000	0.1169
15	7015	4/23/2007	ND	ND	15.1004	0.0074	ND	0.0164	134.5000	0.0003	7.9900	26.5587	35.9271	238.0000	ND
16	7016	4/23/2007	ND	ND	47.0494	0.0077	ND	ND	214.5000	0.0014	7.9800	26.9778	68.3758	334.0000	0.0870
17	7017	4/23/2007	ND	ND	20.6827	0.0016	ND	ND	124.2000	0.0003	8.1100	13.8301	ND	181.0000	ND
18	7018	4/23/2007	ND	ND	ND	0.0082	ND	ND	94.3000	0.0008	7.9700	28.7941	ND	241.0000	0.1446
19	7019	4/23/2007	ND	ND	61.2866	0.0060	ND	ND	350.7000	0.0087	8.1100	7.9600	ND	435.0000	1.5420
20	7020	4/23/2007	ND	ND	19.4484	0.0098	ND	ND	261.9000	0.0010	7.9000	9.0510	ND	316.0000	0.0028
21	7021	4/23/2007	ND	ND	18.1546	0.0122	ND	ND	248.3000	0.0054	8.0100	9.0056	ND	300.0000	0.2374
22	7022	4/23/2007	ND	ND	67.2176	0.0043	ND	ND	110.3000	0.0490	8.2500	1.3049	ND	236.0000	0.0932
23	7023	4/23/2007	ND	ND	54.1636	0.0071	ND	ND	123.6000	0.0044	8.0500	16.8874	92.3863	400.0000	1.1830
24	7024	4/23/2007	ND	ND	87.6875	0.0265	ND	ND	392.3000	0.0007	7.8800	14.4603	42.5828	585.0000	0.0334
25	7104	5/21/2007	ND	ND	20.2992	0.0042	ND	ND	166.9000	ND	7.9700	21.7915	ND	258.0000	0.1138
26	7105	5/21/2007	ND	ND	22.1977	0.0098	ND	ND	173.9000	0.0046	8.0300	20.9742	ND	272.0000	0.9543
27	7198	7/20/2007	ND	ND	40.7596	0.0084	ND	ND	168.9000	ND	7.8200	26.7725	ND	258.0000	0.0030
28	7199	7/20/2007	ND	ND	25.0614	0.0084	ND	0.1537	140.3000	0.0201	7.8500	23.6027	ND	250.0000	0.0157
29	7200	7/20/2007	ND	ND	59.5595	0.0082	ND	ND	67.4000	0.0007	8.2500	11.7669	ND	509.0000	ND
30	7201	7/20/2007	ND	ND	324.9013	0.0134	ND	0.2002	570.4000	0.0179	7.6200	12.9955	49.9130	826.0000	0.0094
31	7202	7/20/2007	ND	ND	12.3343	0.0077	ND	ND	132.5000	0.0005	7.9700	10.7618	ND	404.0000	0.0301
32	7203	7/20/2007	ND	ND	18.6038	0.0057	ND	ND	284.1000	ND	7.7100	13.9917	ND	353.0000	0.0024
33	7294	8/31/2007	ND	ND	ND	0.0069	ND	0.0686	280.4000	0.0412	7.4800	3.0842	ND	306.0000	0.0094
34	7297	8/31/2007	ND	ND	ND	0.0123	ND	ND	173.3000	0.0003	7.6000	5.0906	ND	198.0000	0.0064
35	7298	8/31/2007	ND	ND	ND	0.0040	ND	0.0131	86.4000	0.0013	8.0700	15.8984	ND	149.0000	0.0757
36	7299	8/31/2007	ND	ND	ND	0.0100	ND	ND	362.3000	0.0007	7.6400	2.9641	58.1018	399.0000	0.0400
37	7300	8/31/2007	ND	ND	ND	0.0086	ND	ND	345.8000	0.0035	7.3700	5.6490	50.5760	385.0000	0.0053
38	7301	8/31/2007	ND	ND	ND	0.0066	ND	ND	345.0000	0.0003	7.5200	4.8880	54.9218	394.0000	0.0029

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	**Tested Date**	**Ag mg/L**	**Al mg/L**	**Cl mg/L**	**Cu mg/L**	**F mg/L**	**Fe mg/L**	**Hardness**	**Mn mg/L**	**pH -**	**Si mg/L**	**SO4 mg/L**	**TDS mg/L**	**Zn mg/L**
39	7447	11/8/2007	ND	ND	34.0877	0.0153	ND	0.0231	116.8000	0.3858	7.8900	28.4987	ND	237.0000	0.0354
40	7448	11/8/2007	ND	ND	18.6951	0.0062	ND	ND	178.2000	0.0030	7.7400	29.1719	62.4420	305.0000	0.0681
41	7449	11/8/2007	ND	ND	62.7758	0.0127	ND	ND	344.1000	0.0004	7.7100	30.5496	67.1431	409.0000	0.1187
42	7450	11/8/2007	ND	ND	214.9205	0.0065	ND	7.7643	855.6000	0.0014	7.1200	3.7462	318.0166	1031.0000	0.0765
43	7451	11/8/2007	ND	ND	169.9908	0.0033	ND	ND	327.8000	0.1555	8.0100	10.1842	91.1701	605.0000	0.3869
44	7452	11/8/2007	ND	ND	ND	0.0040	ND	ND	482.8000	0.0003	7.4900	10.4752	134.8238	566.0000	0.0151
45	7453	11/8/2007	ND	ND	33.0736	0.0137	ND	ND	570.1000	0.0016	7.8900	13.5406	321.5396	735.0000	0.0199
46	7454	11/8/2007	ND	ND	38.4830	0.0172	ND	ND	456.5000	0.0003	7.7000	8.9498	262.4490	602.0000	0.0855
47	7455	11/8/2007	ND	ND	49.5032	0.0054	ND	ND	165.0000	0.0498	7.7200	7.7506	70.5985	280.0000	0.0263
48	7456	11/8/2007	ND	ND	20.6931	0.0043	ND	ND	330.6000	0.0067	7.7700	23.7661	123.4319	494.0000	0.2017
49	7457	11/8/2007	ND	ND	68.9345	0.0039	ND	ND	316.9000	0.0100	7.7300	16.2535	53.0248	414.0000	0.0165
Test Count that Exceeded Standard:			0	0	3	0	0	1	49	3	0	0	5	46	0

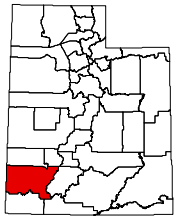
ND - Not Detected

Map 33. E & I District - Beryl/Enterprise Area



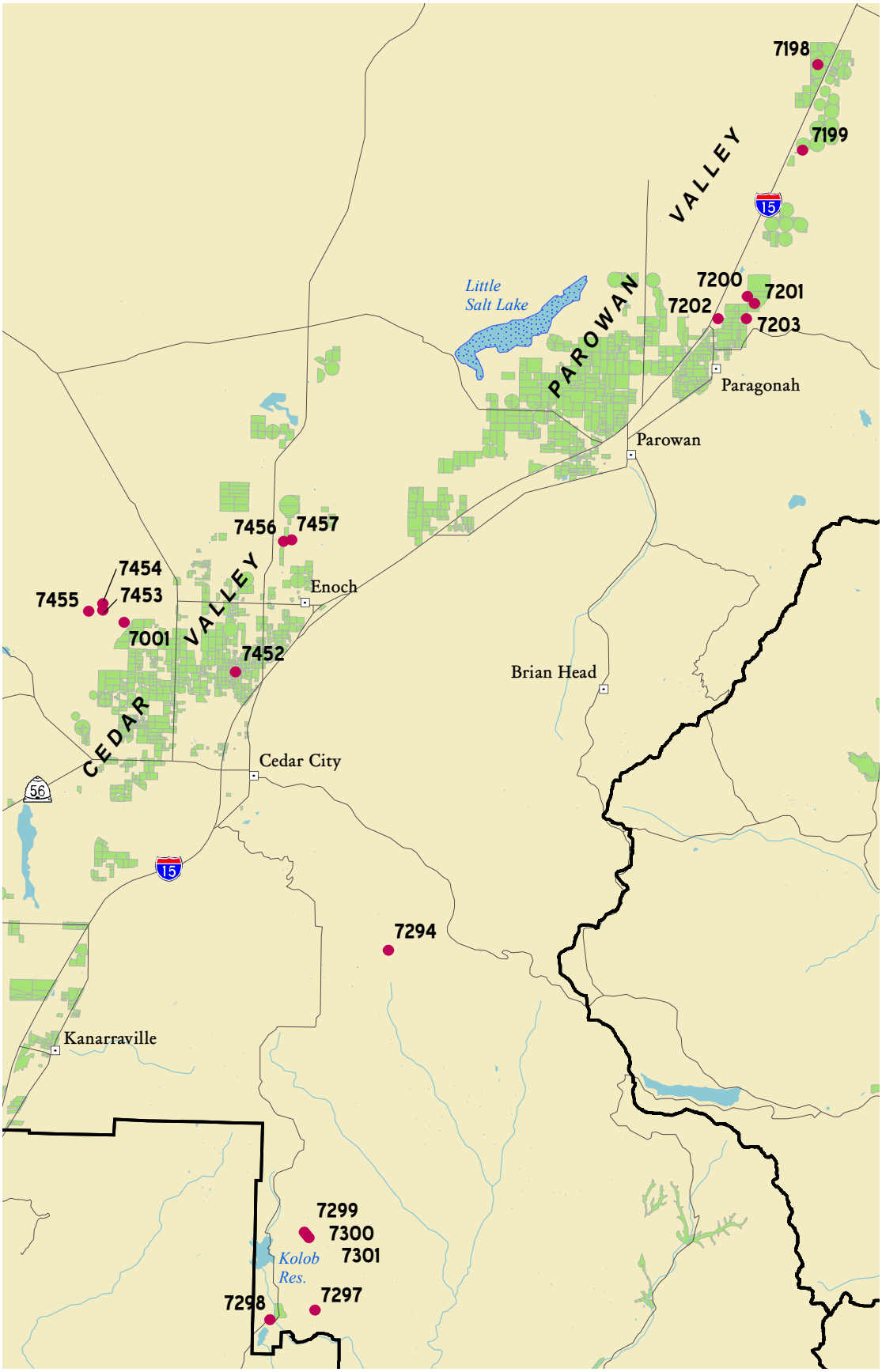
Map Scale 1:237,600 (1 inch = 3.75 miles)

District Location



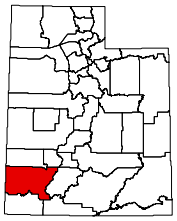
Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Map 34. E & I District - Cedar City Area



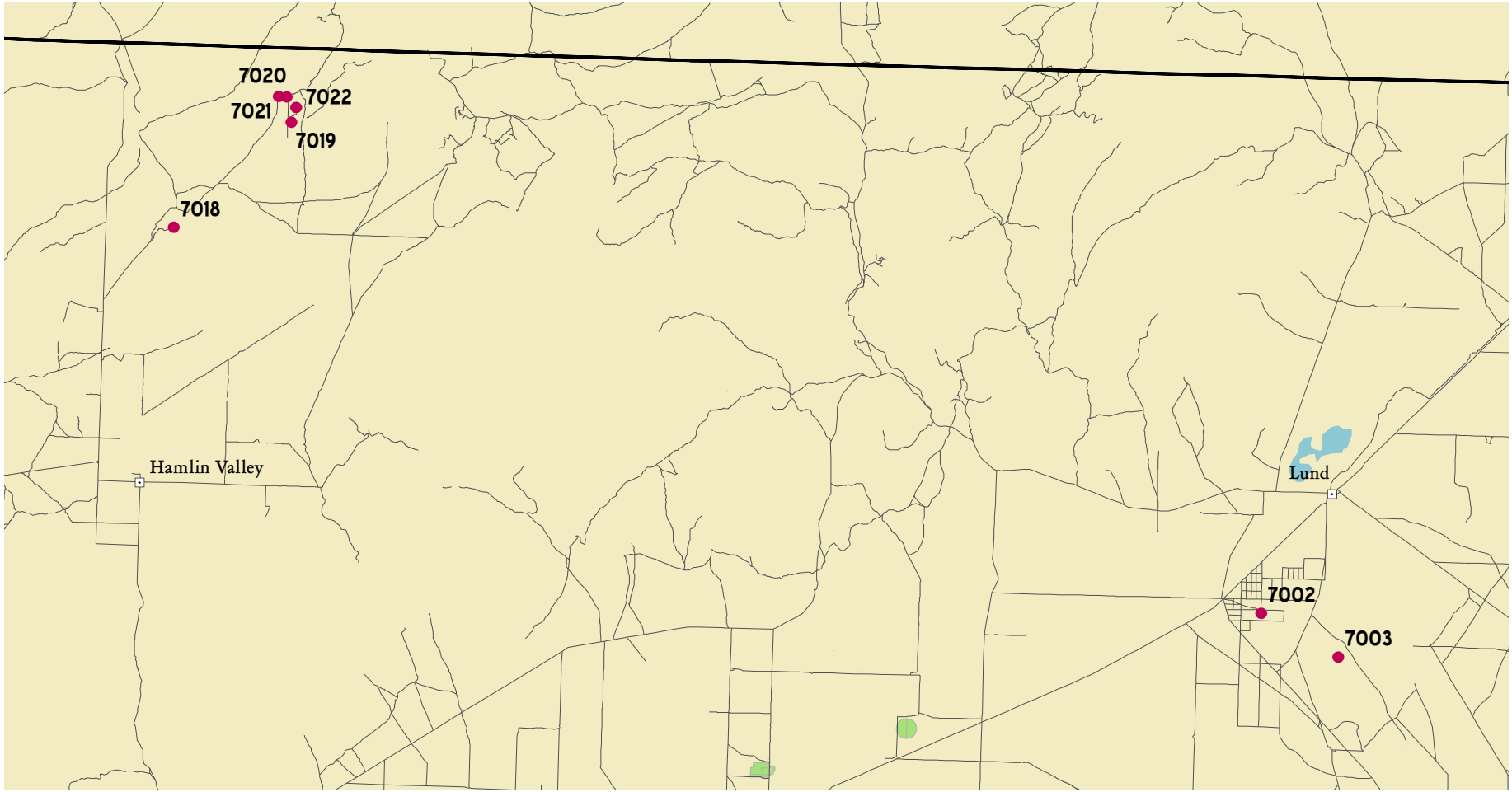
Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Intermittent lake
Irrigated cropland
District boundary

District Location



Map Scale 1:332,640 (1 inch = 5.25 miles)

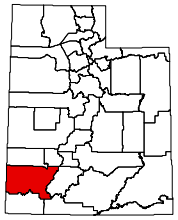
Map 35. E & I District - Hamlin Valley Area



Map Scale 1:237,600 (1 inch = 3.75 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Kane County

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7081	5/15/2007	ND	ND	52.5 F (11.4 C)	402	228.0	0.100	222.7	Well	Clean	Covered	Steel	Sealed	✔	✔					
2	7082	5/15/2007	ND	ND	60.4 F (15.8 C)	462	299.0	0.600	201.3	Well	Clean	Well House	Steel	Open	✔	✔					
3	7083	5/15/2007	ND	ND	66.0 F (18.9 C)	1049	694.0	8.300	115.1	Flowing Well	Clean	Well House	Steel	Sealed	✔	✔					
4	7084	5/15/2007	ND	ND	57.2 F (14.0 C)	392	230.0	0.400	171.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
5	7085	5/15/2007	ND	ND	65.7 F (18.7 C)	5770	4273.	9.100	1665.	Well	Clean	Soil	Steel	Sealed	✔	✔					
6	7436	11/6/2007	ND	ND	50.2 F (10.1 C)	568	265.0	0.100	260.4	Well	Clean	Soil	PVC	Sealed	✔	✔					
7	7437	11/6/2007	ND	ND	52.9 F (11.6 C)	473	269.0	0.500	222.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
8	7438	11/6/2007	POS	ND	53.2 F (11.8 C)	564	339.0	0.200	319.2	Well	Clean	Soil	Steel	Open	✔	✔					
9	7439	11/6/2007	ND	ND	50.9 F (10.5 C)	462	274.0	0.100	262.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
10	7440	11/6/2007	POS	ND	52.2 F (11.2 C)	1383	1081.	0.200	1086.	Spring	Surface Water	Covered	PVC	Open							
11	7441	11/6/2007	POS	ND	54.3 F (12.4 C)	1388	1032.	0.200	1093.	Spring	Surface Water	Covered	PVC	Sealed							
12	7442	11/6/2007	POS	ND	57.4 F (14.1 C)	3290	3109.	3.500	1450.	Well	Clean	Covered	Steel	Open	✔	✔					
13	7443	11/6/2007	ND	ND	61.3 F (16.3 C)	400	225.0	0.800	152.9	Well	Clean	Soil	Steel	Sealed	✔	✔					
14	7444	11/6/2007	ND	ND	52.9 F (11.6 C)	383	225.0	0.300	194.7	Well	Clean	Soil	Steel	Sealed	✔	✔					
15	7445	11/6/2007	POS	ND	55.8 F (13.2 C)	344	193.0	0.300	179.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**5**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7081	5/23/2007	ND	0.0918	ND	31.3845	ND	ND	ND	0.0022	0.0077	1.8172	ND	272.7040	3.6497	0.0811	35.0169
2	7082	5/23/2007	ND	0.0636	ND	61.1446	12.3532	0.0284	ND	ND	0.0069	ND	6.8396	117.6620	2.6528	0.0136	11.7577
3	7083	5/23/2007	ND	0.2114	ND	32.1251	24.3755	0.0014	ND	ND	0.0037	ND	1.7620	212.1380	6.6065	0.0749	8.4414
4	7084	5/23/2007	ND	0.0472	ND	51.5950	ND	0.0068	ND	0.0005	0.0082	ND	0.0329	125.1590	1.6688	0.0070	10.2648
5	7085	5/23/2007	ND	0.2421	ND	263.6693	398.2945	0.0004	ND	0.0012	0.0094	ND	3.1590	314.4390	21.0728	0.2342	244.1683
6	7436	11/8/2007	ND	0.0469	ND	52.4462	ND	ND	ND	0.0015	0.0075	ND	ND	340.4500	0.9239	0.0165	31.3774
7	7437	11/8/2007	ND	0.0313	ND	47.1041	18.9397	ND	ND	0.0015	0.0079	ND	ND	297.4010	1.3009	0.0174	25.3630
8	7438	11/8/2007	ND	0.0290	ND	75.2465	ND	ND	ND	0.0016	0.0080	ND	ND	390.2220	0.9841	0.0056	31.8150
9	7439	11/9/2007	ND	0.0193	ND	59.4951	ND	ND	ND	0.0011	0.0065	ND	ND	355.8770	0.7191	0.0033	27.4967
10	7440	11/8/2007	ND	0.1972	ND	247.0296	20.1551	ND	ND	0.0012	0.0056	ND	ND	384.0360	4.5230	0.1152	113.8393
11	7441	11/8/2007	ND	0.1910	ND	249.4128	22.0998	0.0005	ND	0.0014	0.0130	ND	0.0527	373.8290	4.4237	0.1120	114.0697
12	7442	11/9/2007	ND	0.4631	ND	420.9677	73.2307	0.0004	ND	0.0016	0.0313	ND	ND	346.3080	1.8919	0.0812	96.6351
13	7443	11/9/2007	ND	0.0692	ND	47.7123	ND	ND	ND	ND	0.0024	ND	0.8958	157.1590	2.5398	0.0151	8.1716
14	7444	11/8/2007	ND	0.0428	ND	45.2890	ND	ND	ND	0.0011	0.0022	ND	ND	213.9230	1.0310	0.0053	19.7760
15	7445	11/8/2007	ND	0.0357	ND	42.6636	ND	0.0005	ND	0.0025	0.0033	ND	ND	203.3790	1.2458	0.0107	17.5827
Test Count that Exceeded Standard			0	0	0	0	2	0	0	0	0	0	1	15	0	0	0

ND - Not Detected

Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
1	7081	5/23/2007	0.0010	0.0032	2.2808	ND	ND	ND	0.1000	ND	228.0000	0.0023	0.0153
2	7082	5/23/2007	0.2619	0.0027	18.9444	0.0224	ND	ND	0.6000	ND	299.0000	ND	0.0666
3	7083	5/23/2007	0.1010	0.0097	204.6479	0.0024	ND	ND	8.3000	ND	694.0000	ND	0.0037
4	7084	5/23/2007	0.0617	0.0009	12.0002	0.0050	ND	ND	0.4000	ND	230.0000	ND	0.0423
5	7085	5/23/2007	0.1308	0.0008	856.4564	0.0030	ND	ND	9.1000	ND	4273.0000	ND	0.1272
6	7436	11/8/2007	0.0016	ND	2.4491	0.0009	0.0023	ND	0.1000	ND	265.0000	ND	3.1970
7	7437	11/8/2007	ND	0.0006	18.0223	ND	ND	ND	0.5000	ND	269.0000	ND	0.0972
8	7438	11/8/2007	0.0031	ND	8.0849	ND	ND	ND	0.2000	ND	339.0000	ND	0.0286
9	7439	11/9/2007	0.0005	ND	2.9084	ND	ND	ND	0.1000	ND	274.0000	ND	0.0098
10	7440	11/8/2007	0.0040	0.0107	12.6756	0.0023	ND	ND	0.2000	ND	1081.0000	ND	0.0071
11	7441	11/8/2007	0.0128	0.0102	13.1782	0.0025	ND	ND	0.2000	ND	1032.0000	ND	0.0061
12	7442	11/9/2007	0.0012	0.0032	305.2179	0.0035	ND	ND	3.5000	0.0122	3109.0000	0.0064	0.2385
13	7443	11/9/2007	0.1789	0.0013	22.0680	ND	ND	ND	0.8000	ND	225.0000	ND	0.0045
14	7444	11/8/2007	0.2248	0.0008	8.6173	ND	ND	ND	0.3000	ND	225.0000	ND	0.0030
15	7445	11/8/2007	0.2267	0.0046	7.7661	0.0020	ND	ND	0.3000	0.0149	193.0000	0.0021	0.0060
Test Count that Exceeded Standard:			3	2	3	0	0	0	3	0	15	0	1

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7081	5/23/2007	ND	ND	0.0918	ND	ND	ND	0.0022	0.0077	1.8172	ND	ND	ND	8.2700	ND	ND	228.0000	0.0153
2	7082	5/23/2007	ND	0.0100	0.0636	ND	ND	0.0284	ND	0.0069	ND	ND	ND	ND	7.7200	ND	129.8180	299.0000	0.0666
3	7083	5/23/2007	ND	0.0056	0.2114	ND	ND	0.0014	ND	0.0037	ND	ND	ND	ND	7.6300	ND	309.4212	694.0000	0.0037
4	7084	5/23/2007	ND	ND	0.0472	ND	ND	0.0068	0.0005	0.0082	ND	ND	ND	ND	7.3400	ND	78.0344	230.0000	0.0423
5	7085	5/23/2007	ND	0.0035	0.2421	ND	ND	0.0004	0.0012	0.0094	ND	ND	ND	ND	7.9900	ND	2329.7280	4273.0000	0.1272
6	7436	11/8/2007	ND	ND	0.0469	ND	ND	ND	0.0015	0.0075	ND	ND	ND	0.0023	7.7300	ND	ND	265.0000	3.1970
7	7437	11/8/2007	ND	ND	0.0313	ND	ND	ND	0.0015	0.0079	ND	ND	ND	ND	8.0000	ND	ND	269.0000	0.0972
8	7438	11/8/2007	ND	ND	0.0290	ND	ND	ND	0.0016	0.0080	ND	ND	ND	ND	7.4500	ND	ND	339.0000	0.0286
9	7439	11/9/2007	ND	ND	0.0193	ND	ND	ND	0.0011	0.0065	ND	ND	ND	ND	7.4700	ND	ND	274.0000	0.0098
10	7440	11/8/2007	ND	ND	0.1972	ND	ND	ND	0.0012	0.0056	ND	ND	ND	ND	7.5400	ND	478.8547	1081.0000	0.0071
11	7441	11/8/2007	ND	ND	0.1910	ND	ND	0.0005	0.0014	0.0130	ND	ND	ND	ND	7.4500	ND	429.3619	1032.0000	0.0061
12	7442	11/9/2007	ND	ND	0.4631	ND	ND	0.0004	0.0016	0.0313	ND	ND	ND	ND	7.3000	0.0122	2026.1430	3109.0000	0.2385
13	7443	11/9/2007	ND	ND	0.0692	ND	ND	ND	ND	0.0024	ND	ND	ND	ND	6.7000	ND	55.1845	225.0000	0.0045
14	7444	11/8/2007	ND	ND	0.0428	ND	ND	ND	0.0011	0.0022	ND	ND	ND	ND	7.8400	ND	ND	225.0000	0.0030
15	7445	11/8/2007	ND	0.0045	0.0357	ND	0.0008	0.0005	0.0025	0.0033	ND	ND	ND	ND	7.8600	0.0149	ND	193.0000	0.0060
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0

ND - Not Detected

Culinary:

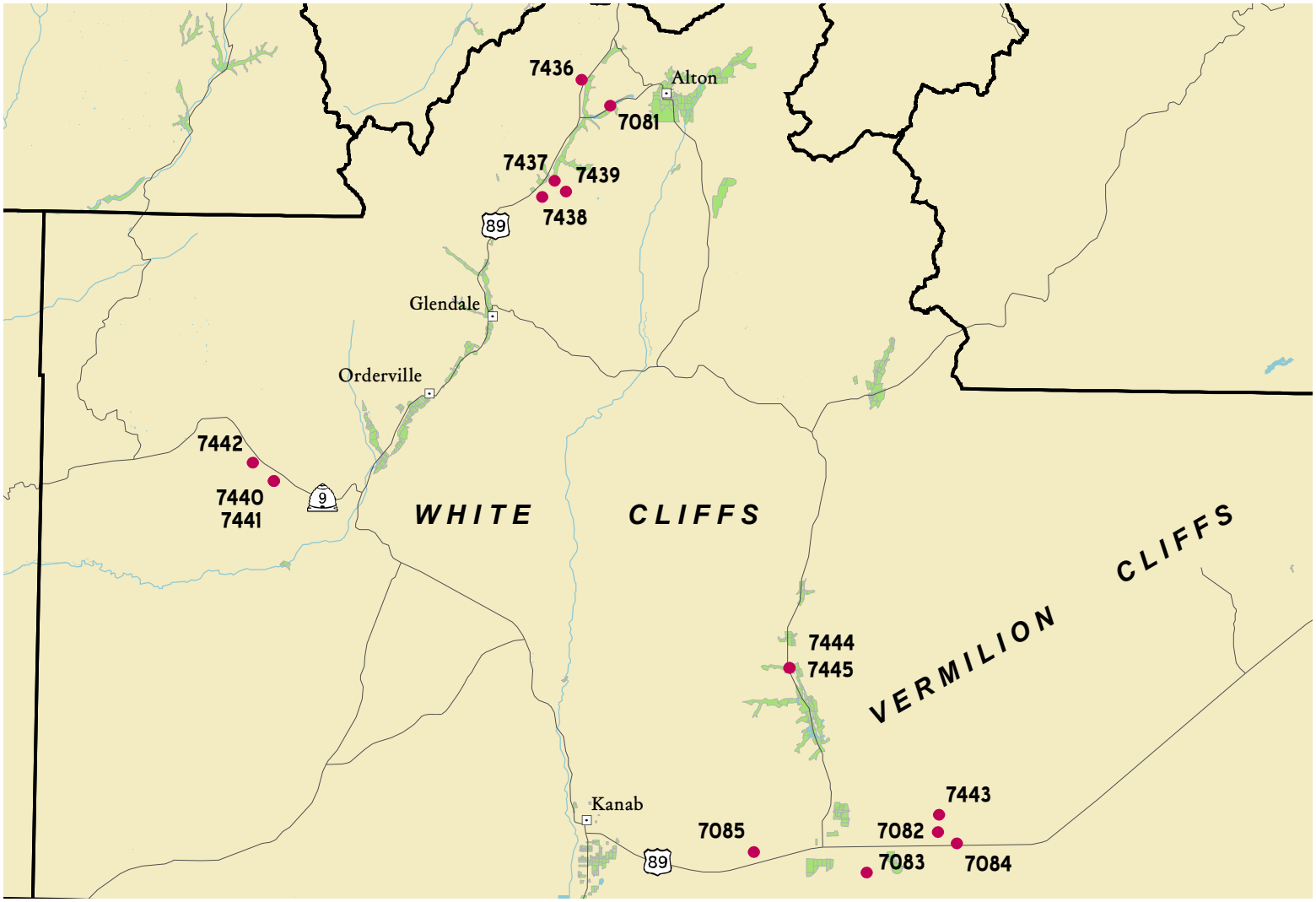
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7081	5/23/2007	ND	0.2288	ND	ND	ND	0.0022	0.0077	1.8172	ND	2.2808	ND	ND	ND	ND	ND	228.0000
2	7082	5/23/2007	0.0100	0.0145	ND	ND	ND	ND	0.0069	ND	ND	18.9444	0.0224	ND	ND	ND	129.8180	299.0000
3	7083	5/23/2007	0.0056	0.0084	ND	ND	ND	ND	0.0037	ND	ND	204.6479	0.0024	ND	ND	ND	309.4212	694.0000
4	7084	5/23/2007	ND	0.0216	ND	ND	ND	0.0005	0.0082	ND	ND	12.0002	0.0050	ND	ND	ND	78.0344	230.0000
5	7085	5/23/2007	0.0035	0.0067	ND	ND	ND	0.0012	0.0094	ND	ND	856.4564	0.0030	ND	ND	ND	2329.7280	4273.0000
6	7436	11/8/2007	ND	0.4456	ND	ND	ND	0.0015	0.0075	ND	ND	2.4491	0.0009	ND	0.0023	ND	ND	265.0000
7	7437	11/8/2007	ND	0.1693	ND	ND	ND	0.0015	0.0079	ND	ND	18.0223	ND	ND	ND	ND	ND	269.0000
8	7438	11/8/2007	ND	0.2099	ND	ND	ND	0.0016	0.0080	ND	ND	8.0849	ND	ND	ND	ND	ND	339.0000
9	7439	11/9/2007	ND	0.0687	ND	ND	ND	0.0011	0.0065	ND	ND	2.9084	ND	ND	ND	ND	ND	274.0000
10	7440	11/8/2007	ND	0.0349	ND	ND	ND	0.0012	0.0056	ND	ND	12.6756	0.0023	ND	ND	ND	478.8547	1081.0000
11	7441	11/8/2007	ND	0.0305	ND	ND	ND	0.0014	0.0130	ND	ND	13.1782	0.0025	ND	ND	ND	429.3619	1032.0000
12	7442	11/9/2007	ND	0.0083	ND	ND	ND	0.0016	0.0313	ND	ND	305.2179	0.0035	ND	ND	0.0122	2026.1430	3109.0000
13	7443	11/9/2007	ND	0.0272	ND	ND	ND	ND	0.0024	ND	ND	22.0680	ND	ND	ND	ND	55.1845	225.0000
14	7444	11/8/2007	ND	0.4915	ND	ND	ND	0.0011	0.0022	ND	ND	8.6173	ND	ND	ND	ND	ND	225.0000
15	7445	11/8/2007	0.0045	0.4572	ND	0.0008	ND	0.0025	0.0033	ND	ND	7.7661	0.0020	ND	ND	0.0149	ND	193.0000
Test Count that Exceeded Standard			1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7081	5/23/2007	ND	ND	ND	0.0077	1.8172	ND	222.7000	0.0010	8.2700	4.2438	ND	228.0000	0.0153
2	7082	5/23/2007	ND	ND	12.3532	0.0069	ND	6.8396	201.3000	0.2619	7.7200	4.6755	129.8180	299.0000	0.0666
3	7083	5/23/2007	ND	ND	24.3755	0.0037	ND	1.7620	115.1000	0.1010	7.6300	3.8038	309.4212	694.0000	0.0037
4	7084	5/23/2007	ND	ND	ND	0.0082	ND	0.0329	171.3000	0.0617	7.3400	4.5900	78.0344	230.0000	0.0423
5	7085	5/23/2007	ND	ND	398.2945	0.0094	ND	3.1590	1665.1000	0.1308	7.9900	4.9281	2329.7280	4273.0000	0.1272
6	7436	11/8/2007	ND	ND	ND	0.0075	ND	ND	260.4000	0.0016	7.7300	3.0567	ND	265.0000	3.1970
7	7437	11/8/2007	ND	ND	18.9397	0.0079	ND	ND	222.3000	ND	8.0000	3.4332	ND	269.0000	0.0972
8	7438	11/8/2007	ND	ND	ND	0.0080	ND	ND	319.2000	0.0031	7.4500	4.7981	ND	339.0000	0.0286
9	7439	11/9/2007	ND	ND	ND	0.0065	ND	ND	262.0000	0.0005	7.4700	4.0709	ND	274.0000	0.0098
10	7440	11/8/2007	ND	ND	20.1551	0.0056	ND	ND	1086.6000	0.0040	7.5400	14.4069	478.8547	1081.0000	0.0071
11	7441	11/8/2007	ND	ND	22.0998	0.0130	ND	0.0527	1093.5000	0.0128	7.4500	14.7441	429.3619	1032.0000	0.0061
12	7442	11/9/2007	ND	ND	73.2307	0.0313	ND	ND	1450.6000	0.0012	7.3000	12.4234	2026.1430	3109.0000	0.2385
13	7443	11/9/2007	ND	ND	ND	0.0024	ND	0.8958	152.9000	0.1789	6.7000	4.5634	55.1845	225.0000	0.0045
14	7444	11/8/2007	ND	ND	ND	0.0022	ND	ND	194.7000	0.2248	7.8400	4.6951	ND	225.0000	0.0030
15	7445	11/8/2007	ND	ND	ND	0.0033	ND	ND	179.1000	0.2267	7.8600	4.5388	ND	193.0000	0.0060
Test Count that Exceeded Standard:			0	0	1	0	0	4	15	7	0	0	5	14	0

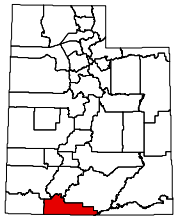
ND - Not Detected

Map 36. Kane County District



Map Scale 1:380,160 (1 inch = 6 miles)

District Location



Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

Twin M

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7204	7/18/2007	POS	ND	61.3 F (16.3 C)	955	680.0	2.500	380.6	Well	Clean	Well House	Steel	Sealed	✔	✔					
2	7205	7/18/2007	ND	ND	66.9 F (19.4 C)	1047	663.0	0.700	551.2	Well	Clean	Well House	Steel	Sealed	✔	✔					
3	7206	7/18/2007	POS	ND	66.0 F (18.9 C)	1518	1225.	1.000	961.3	Well	Clean	Pit Wood	Steel	Sealed	✔	✔					
4	7207	7/18/2007	ND	ND	70.0 F (21.1 C)	315	191.0	1.500	97.80	Well	Clean	Soil	Steel	Sealed	✔	✔					
5	7208	7/18/2007	POS	ND	65.3 F (18.5 C)	642	504.0	0.700	400.3	Well	Clean	Pit Wood	Steel		✔	✔					
6	7209	7/18/2007	ND	ND	67.6 F (19.8 C)	389	224.0	0.900	161.4	Well	Clean	Soil	Steel	Sealed	✔	✔					
7	7210	7/18/2007	POS	ND	66.4 F (19.1 C)	1815	1712.	0.700	1422.	Well	Chemicals	Well House	Steel	Open	✔	✔					
8	7211	7/18/2007	ND	ND	68.0 F (20.0 C)	1199	1150.	0.900	800.7	Well	Clean	Well House	Steel	Open	✔	✔					
9	7458	11/7/2007	POS	ND	60.1 F (15.6 C)	1825	1554.	0.600	1325.	Well	Livestock	Pit Soil	Steel	Open	✔	✔					
Bacteria Positive Sample Count			**5**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7204	7/20/2007	ND	0.2708	ND	85.5055	58.3034	ND	ND	0.0037	0.0162	ND	ND	464.5320	4.7691	0.0233	40.4994
2	7205	7/20/2007	ND	0.0547	ND	123.8077	272.8597	ND	ND	0.0026	0.0076	ND	ND	86.8445	6.2126	0.0298	58.6662
3	7206	7/20/2007	ND	0.0999	ND	225.1053	473.4204	ND	ND	0.0023	0.0052	ND	ND	90.7507	9.1104	0.0409	96.7333
4	7207	7/20/2007	ND	0.0706	ND	22.2216	15.1927	ND	ND	0.0015	0.0085	ND	0.0135	128.8850	1.9714	0.0198	10.2460
5	7208	7/20/2007	ND	0.0447	ND	96.2894	133.9175	ND	ND	0.0023	0.0047	ND	ND	99.7757	6.2563	0.0256	38.7239
6	7209	7/20/2007	ND	0.0523	ND	32.8607	45.7659	ND	ND	0.0046	0.0117	ND	ND	112.4750	2.4793	0.0148	19.2417
7	7210	8/1/2007	ND	0.0738	ND	296.7395	563.7090	ND	ND	0.0018	0.0071	ND	ND	118.0740	11.1742	0.0451	165.2231
8	7211	7/20/2007	ND	0.1939	ND	168.4597	165.0251	ND	ND	0.0028	0.0081	ND	ND	715.9500	6.7907	0.0550	92.1162
9	7458	11/9/2007	ND	0.0826	ND	413.2135	589.0311	ND	ND	0.0015	0.0025	ND	ND	287.4610	8.6667	0.0268	70.9491
Test Count that Exceeded Standard			0	0	0	0	6	0	0	0	0	0	0	9	0	0	0

ND - Not Detected

Irrigation Standards Continues			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
1	7204	7/20/2007	0.0025	0.0005	113.8641	ND	ND	ND	2.5000	ND	680.0000	0.0034	0.4075
2	7205	7/20/2007	0.0008	0.0010	36.0550	ND	ND	ND	0.7000	0.0053	663.0000	0.0039	0.0309
3	7206	7/20/2007	0.0009	ND	68.4513	0.0010	ND	ND	1.0000	0.0120	1225.0000	0.0027	0.0154
4	7207	7/20/2007	0.0006	0.0026	33.1520	ND	ND	ND	1.5000	ND	191.0000	0.0057	0.0073
5	7208	7/20/2007	0.0023	0.0008	30.1661	ND	ND	ND	0.7000	ND	504.0000	0.0039	0.0361
6	7209	7/20/2007	0.0010	0.0018	26.3497	ND	ND	ND	0.9000	ND	224.0000	0.0076	0.0500
7	7210	8/1/2007	0.0003	0.0006	57.5289	0.0014	ND	ND	0.7000	0.0054	1712.0000	0.0030	0.0615
8	7211	7/20/2007	0.0004	0.0006	58.2601	0.0007	ND	ND	0.9000	0.0061	1150.0000	0.0042	0.0068
9	7458	11/9/2007	0.0013	0.0009	48.3858	ND	ND	ND	0.6000	ND	1554.0000	0.0025	0.0062
Test Count that Exceeded Standard:			0	0	1	0	0	0	0	0	9	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7204	7/20/2007	ND	ND	0.2708	ND	ND	ND	0.0037	0.0162	ND	ND	15.7644	ND	7.5100	ND	110.8879	680.0000	0.4075
2	7205	7/20/2007	ND	0.0030	0.0547	ND	ND	ND	0.0026	0.0076	ND	ND	ND	ND	7.5000	0.0053	101.5546	663.0000	0.0309
3	7206	7/20/2007	ND	0.0021	0.0999	ND	ND	ND	0.0023	0.0052	ND	ND	ND	ND	7.5500	0.0120	277.4058	1225.0000	0.0154
4	7207	7/20/2007	ND	0.0144	0.0706	ND	ND	ND	0.0015	0.0085	ND	ND	ND	ND	8.1200	ND	ND	191.0000	0.0073
5	7208	7/20/2007	ND	0.0029	0.0447	ND	ND	ND	0.0023	0.0047	ND	ND	ND	ND	7.7900	ND	129.9293	504.0000	0.0361
6	7209	7/20/2007	ND	0.0049	0.0523	ND	ND	ND	0.0046	0.0117	ND	ND	ND	ND	7.8100	ND	ND	224.0000	0.0500
7	7210	8/1/2007	ND	0.0022	0.0738	ND	ND	ND	0.0018	0.0071	ND	ND	ND	ND	7.6000	0.0054	537.2395	1712.0000	0.0615
8	7211	7/20/2007	ND	0.0025	0.1939	ND	ND	ND	0.0028	0.0081	ND	ND	ND	ND	7.7800	0.0061	274.4739	1150.0000	0.0068
9	7458	11/9/2007	ND	0.0037	0.0826	ND	ND	ND	0.0015	0.0025	ND	ND	40.4074	ND	7.5400	ND	224.8954	1554.0000	0.0062
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0

ND - Not Detected

Culinary:

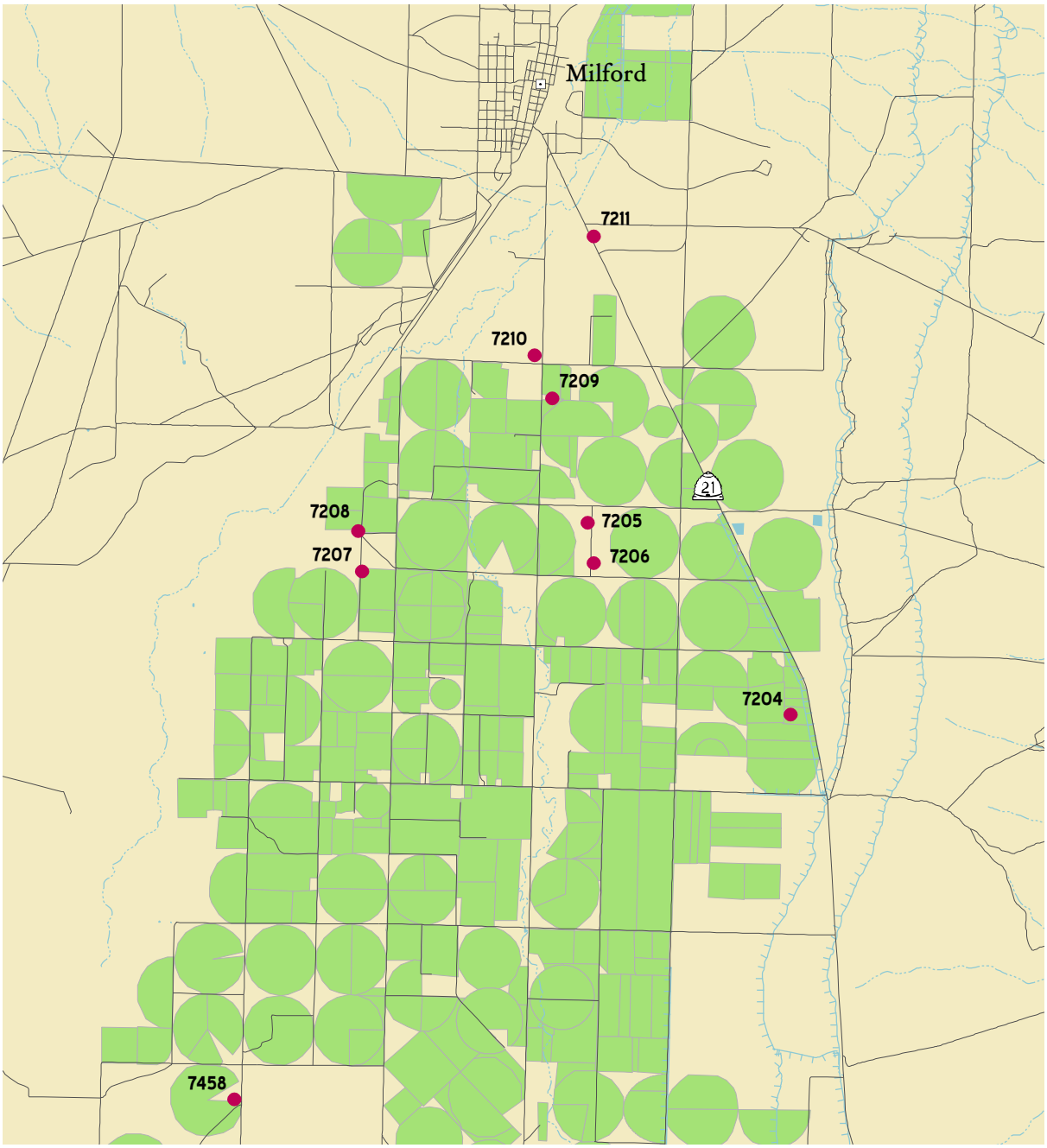
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7204	7/20/2007	ND	0.0476	ND	ND	ND	0.0037	0.0162	ND	ND	113.8641	ND	15.7644	ND	ND	110.8879	680.0000
2	7205	7/20/2007	0.0030	0.0903	ND	ND	ND	0.0026	0.0076	ND	ND	36.0550	ND	ND	ND	0.0053	101.5546	663.0000
3	7206	7/20/2007	0.0021	0.0759	ND	ND	ND	0.0023	0.0052	ND	ND	68.4513	0.0010	ND	ND	0.0120	277.4058	1225.0000
4	7207	7/20/2007	0.0144	0.0085	ND	ND	ND	0.0015	0.0085	ND	ND	33.1520	ND	ND	ND	ND	ND	191.0000
5	7208	7/20/2007	0.0029	0.0543	ND	ND	ND	0.0023	0.0047	ND	ND	30.1661	ND	ND	ND	ND	129.9293	504.0000
6	7209	7/20/2007	0.0049	0.0268	ND	ND	ND	0.0046	0.0117	ND	ND	26.3497	ND	ND	ND	ND	ND	224.0000
7	7210	8/1/2007	0.0022	0.0864	ND	ND	ND	0.0018	0.0071	ND	ND	57.5289	0.0014	ND	ND	0.0054	537.2395	1712.0000
8	7211	7/20/2007	0.0025	0.0324	ND	ND	ND	0.0028	0.0081	ND	ND	58.2601	0.0007	ND	ND	0.0061	274.4739	1150.0000
9	7458	11/9/2007	0.0037	0.0556	ND	ND	ND	0.0015	0.0025	ND	ND	48.3858	ND	40.4074	ND	ND	224.8954	1554.0000
Test Count that Exceeded Standard			1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7081	5/23/2007	ND	ND	ND	0.0077	1.8172	ND	222.7000	0.0010	8.2700	4.2438	ND	228.0000	0.0153
2	7082	5/23/2007	ND	ND	12.3532	0.0069	ND	6.8396	201.3000	0.2619	7.7200	4.6755	129.8180	299.0000	0.0666
3	7083	5/23/2007	ND	ND	24.3755	0.0037	ND	1.7620	115.1000	0.1010	7.6300	3.8038	309.4212	694.0000	0.0037
4	7084	5/23/2007	ND	ND	ND	0.0082	ND	0.0329	171.3000	0.0617	7.3400	4.5900	78.0344	230.0000	0.0423
5	7085	5/23/2007	ND	ND	398.2945	0.0094	ND	3.1590	1665.1000	0.1308	7.9900	4.9281	2329.7280	4273.0000	0.1272
6	7436	11/8/2007	ND	ND	ND	0.0075	ND	ND	260.4000	0.0016	7.7300	3.0567	ND	265.0000	3.1970
7	7437	11/8/2007	ND	ND	18.9397	0.0079	ND	ND	222.3000	ND	8.0000	3.4332	ND	269.0000	0.0972
8	7438	11/8/2007	ND	ND	ND	0.0080	ND	ND	319.2000	0.0031	7.4500	4.7981	ND	339.0000	0.0286
9	7439	11/9/2007	ND	ND	ND	0.0065	ND	ND	262.0000	0.0005	7.4700	4.0709	ND	274.0000	0.0098
10	7440	11/8/2007	ND	ND	20.1551	0.0056	ND	ND	1086.6000	0.0040	7.5400	14.4069	478.8547	1081.0000	0.0071
11	7441	11/8/2007	ND	ND	22.0998	0.0130	ND	0.0527	1093.5000	0.0128	7.4500	14.7441	429.3619	1032.0000	0.0061
12	7442	11/9/2007	ND	ND	73.2307	0.0313	ND	ND	1450.6000	0.0012	7.3000	12.4234	2026.1430	3109.0000	0.2385
13	7443	11/9/2007	ND	ND	ND	0.0024	ND	0.8958	152.9000	0.1789	6.7000	4.5634	55.1845	225.0000	0.0045
14	7444	11/8/2007	ND	ND	ND	0.0022	ND	ND	194.7000	0.2248	7.8400	4.6951	ND	225.0000	0.0030
15	7445	11/8/2007	ND	ND	ND	0.0033	ND	ND	179.1000	0.2267	7.8600	4.5388	ND	193.0000	0.0060
Test Count that Exceeded Standard:			0	0	1	0	0	4	15	7	0	0	5	14	0

ND - Not Detected

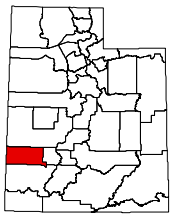
Map 37. Twin M District



Map Scale 1:75,000 (1 inch = 1.2 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Upper Sevier District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7078	5/15/2007	ND	ND	51.8 F (11.0 C)	408	246.0	0.700	176.3	Well	Livestock	Well House	Steel	Sealed	✔	✔					
2	7079	5/15/2007	POS	POS	54.5 F (12.5 C)	324	214.0	0.700	137.8	Well	Chemicals	Well House	Steel	Sealed	✔	✔					
3	7080	5/15/2007	ND	ND	52.5 F (11.4 C)	712	455.0	0.200	445.4	Well	Clean	Well House	Steel	Sealed	✔	✔					
4	7354	10/17/2007	POS	ND	51.1 F (10.6 C)	233	146.0	0.300	105.7	Spring	Vegetated	Natural	Rock	Open					✔		
Bacteria Positive Sample Count			2	1	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7078	5/23/2007	ND	0.0383	ND	51.1292	ND	ND	ND	0.0014	0.0071	ND	ND	252.0730	1.5934	ND	11.7717
2	7079	5/23/2007	ND	0.0450	ND	38.5965	ND	ND	ND	0.0010	0.0054	ND	0.0111	208.9050	4.6605	ND	10.0246
3	7080	5/23/2007	ND	0.0433	ND	63.8628	12.7946	ND	ND	0.0020	0.0090	ND	ND	461.6690	2.0000	0.0197	69.3509
4	7354	10/19/2007	ND	0.0354	ND	30.4478	ND	ND	ND	0.0007	0.0072	ND	ND	153.1980	2.8242	0.0043	7.1849
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7078	5/23/2007	0.0004	ND	20.8187	ND	ND	ND	0.7000	ND	246.0000	0.0076	0.1004
2	7079	5/23/2007	0.0026	0.0005	17.7604	ND	ND	ND	0.7000	ND	214.0000	0.0078	0.0092
3	7080	5/23/2007	ND	0.0005	9.6718	0.0007	ND	ND	0.2000	ND	455.0000	ND	0.0056
4	7354	10/19/2007	ND	ND	7.3316	ND	ND	ND	0.3000	ND	146.0000	0.0027	ND
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	3	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7078	5/23/2007	ND	0.0022	0.0383	ND	ND	ND	0.0014	0.0071	ND	ND	ND	ND	8.1900	ND	ND	246.0000	0.1004
2	7079	5/23/2007	ND	0.0024	0.0450	ND	ND	ND	0.0010	0.0054	ND	ND	ND	ND	8.2000	ND	ND	214.0000	0.0092
3	7080	5/23/2007	ND	ND	0.0433	ND	ND	ND	0.0020	0.0090	ND	ND	ND	ND	8.0800	ND	56.9110	455.0000	0.0056
4	7354	10/19/2007	ND	0.0021	0.0354	ND	ND	ND	0.0007	0.0072	ND	ND	ND	ND	7.9900	ND	ND	146.0000	ND
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

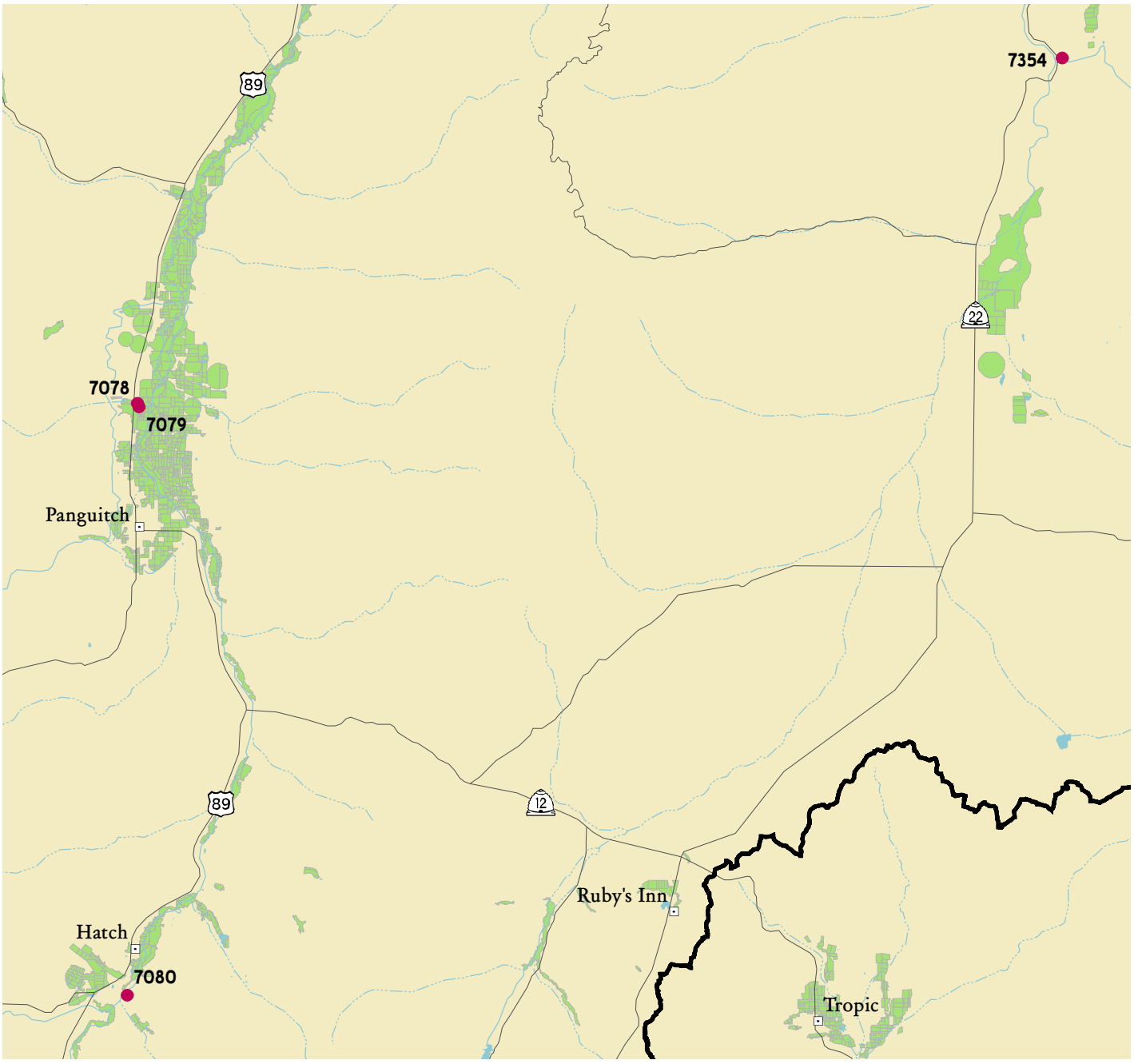
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7078	5/23/2007	0.0022	0.0020	ND	ND	ND	0.0014	0.0071	ND	ND	20.8187	ND	ND	ND	ND	ND	246.0000
2	7079	5/23/2007	0.0024	ND	ND	ND	ND	0.0010	0.0054	ND	ND	17.7604	ND	ND	ND	ND	ND	214.0000
3	7080	5/23/2007	ND	0.0654	ND	ND	ND	0.0020	0.0090	ND	ND	9.6718	0.0007	ND	ND	ND	56.9110	455.0000
4	7354	10/19/2007	0.0021	0.0024	ND	ND	ND	0.0007	0.0072	ND	ND	7.3316	ND	ND	ND	ND	ND	146.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7078	5/23/2007	ND	ND	ND	0.0071	ND	ND	176.3000	0.0004	8.1900	16.6575	ND	246.0000	0.1004
2	7079	5/23/2007	ND	ND	ND	0.0054	ND	0.0111	137.8000	0.0026	8.2000	22.5623	ND	214.0000	0.0092
3	7080	5/23/2007	ND	ND	12.7946	0.0090	ND	ND	445.4000	ND	8.0800	7.4030	56.9110	455.0000	0.0056
4	7354	10/19/2007	ND	ND	ND	0.0072	ND	ND	105.7000	ND	7.9900	17.4418	ND	146.0000	ND
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	0	0	0	0	3	0

ND - Not Detected

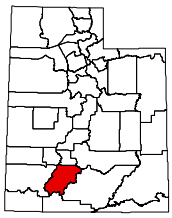
Map 38. Upper Sevier District



Map Scale 1:275,000 (1 inch = 4.3 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 6 (Daggett and Uintah counties, most of Duchesne County, and northwest Grand, and east Summit counties)

Seven (7) sites were sampled in the three (3) Soil Conservation Districts in Zone 6 during the spring, summer, and fall of 2007. These include the number of samples in the following districts: three (3) in Daggett, three (3) in Duchesne County, and one (1) in Uintah County districts.

The Statistical Report below shows a summary of the total number of chemical tests collected (Test Count) for each district in Zone 6. The next four columns summarize the number of tests which exceeded the standard for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 6 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Daggett	3	120	0	2	1	0
Duchesne Co.	3	120	0	5	8	3
Uintah Co.	1	40	0	2	3	1
Zone Totals:	**7**	**280**	**0**	**9**	**12**	**4**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the Water quality for agriculture 29 Revision 1, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Daggett District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7341	10/10/2007	POS	ND	47.8 F (8.8 C)	103	57.00	0.300	34.80	Spring	Vegetated	Natural	Earth	Open					✔		
2	7342	10/10/2007	POS	ND	43.7 F (6.5 C)	121	64.00	0.300	41.70	Spring	Vegetated	Pit Concrete	Concrete	Sealed	✔				✔		
3	7343	10/10/2007	POS	ND	43.5 F (6.4 C)	143	77.00	0.400	50.90	Spring	Vegetated	Natural	PVC	Sealed	✔				✔		
Bacteria Positive Sample Count			3	0	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L (5)	B mg/L (0.5;1.0;2.0;)	Be mg/L (.1)	Ca mg/L (100000)	Cl mg/L (71;355)	Co mg/L (1)	CO3 mg/L (1000)	Cr mg/L (1)	Cu mg/L (0.2)	F mg/L (2)	Fe mg/L (5)	HCO3 mg/L (73.2;152.5)	K mg/L (10000)	Li mg/L (2.5)	Mg mg/L (100000)
1	7341	10/15/2007	0.2224	0.0723	ND	10.2118	ND	ND	ND	0.0006	0.0163	ND	0.1080	51.8498	1.0258	ND	2.2494
2	7342	10/15/2007	0.2331	0.0443	ND	12.5929	ND	ND	ND	ND	0.0100	ND	0.0838	54.9732	0.9368	ND	2.4904
3	7343	10/15/2007	ND	0.0318	ND	15.3372	ND	ND	ND	ND	0.0161	ND	0.0781	74.3602	0.9203	0.0034	3.0423
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L (.2)	Mo mg/L (.01)	Na mg/L (70;230)	Ni mg/L (.2)	Pb mg/L (5)	PO4 mg/L (10000)	SAR meq/L (3;9)	Se mg/L (.02)	TDS mg/L (151;451;13)	V mg/L (.1)	Zn mg/L (2)
1	7341	10/15/2007	0.0047	ND	4.7310	0.0014	ND	ND	0.3000	ND	57.0000	ND	0.0072
2	7342	10/15/2007	0.0014	ND	4.5015	0.0018	ND	ND	0.3000	ND	64.0000	ND	0.0035
3	7343	10/15/2007	0.0025	ND	5.8247	0.0014	ND	ND	0.4000	ND	77.0000	0.0020	0.0069
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Livestock:

Livestock Standards

	Sample No	Tested Date	Al mg/L (5)	As mg/L (0.2)	B mg/L (5)	Be mg/L (.1)	Cd mg/L (0.05)	Co mg/L (1)	Cr mg/L (1)	Cu mg/L (.5)	F mg/L (2)	Hg ug/L (10)	NO3 mg/L (440)	Pb mg/L (.1)	pH - (5.5-8.3)	Se mg/L (.05)	SO4 mg/L (167;333)	TDS mg/L (1000;3000;)	Zn mg/L (25)
1	7341	10/15/2007	0.2224	ND	0.0723	ND	ND	ND	0.0006	0.0163	ND	ND	ND	ND	6.3100	ND	ND	57.0000	0.0072
2	7342	10/15/2007	0.2331	ND	0.0443	ND	ND	ND	ND	0.0100	ND	ND	ND	ND	6.3700	ND	ND	64.0000	0.0035
3	7343	10/15/2007	ND	ND	0.0318	ND	ND	ND	ND	0.0161	ND	ND	ND	ND	6.6300	ND	ND	77.0000	0.0069
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

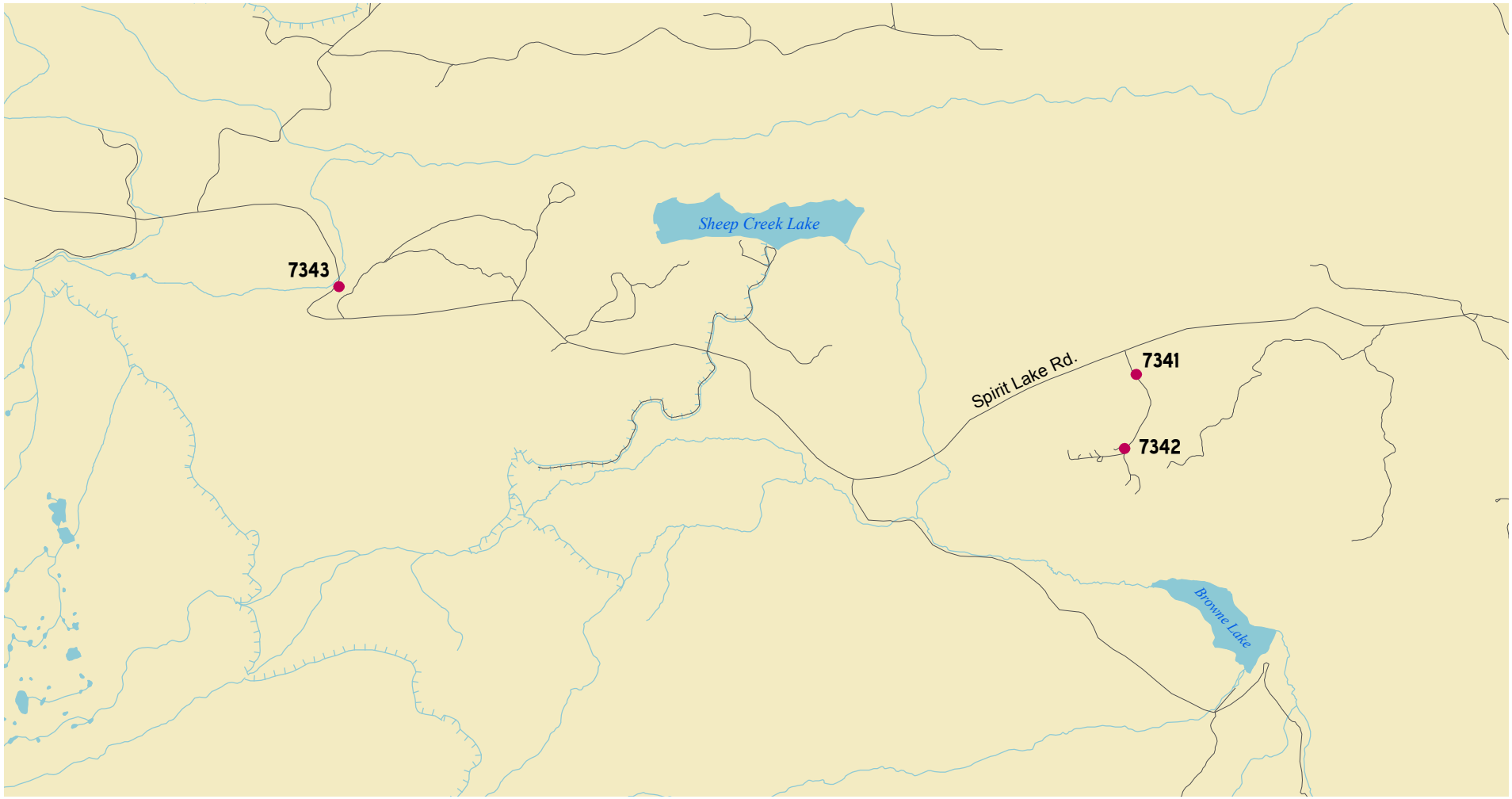
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7341	10/15/2007	ND	0.2735	ND	ND	ND	0.0006	0.0163	ND	ND	4.7310	0.0014	ND	ND	ND	ND	57.0000
2	7342	10/15/2007	ND	0.2208	ND	ND	ND	ND	0.0100	ND	ND	4.5015	0.0018	ND	ND	ND	ND	64.0000
3	7343	10/15/2007	ND	0.2941	ND	ND	ND	ND	0.0161	ND	ND	5.8247	0.0014	ND	ND	ND	ND	77.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7341	10/15/2007	ND	0.2224	ND	0.0163	ND	0.1080	34.8000	0.0047	6.3100	8.3635	ND	57.0000	0.0072
2	7342	10/15/2007	ND	0.2331	ND	0.0100	ND	0.0838	41.7000	0.0014	6.3700	8.8966	ND	64.0000	0.0035
3	7343	10/15/2007	ND	ND	ND	0.0161	ND	0.0781	50.9000	0.0025	6.6300	9.8698	ND	77.0000	0.0069
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	2	0	0	0	0

ND - Not Detected

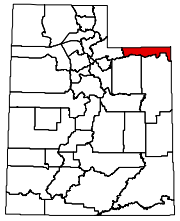
Map 39. Daggett District



Map Scale 1:40,000 (1 inch = 0.63 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Duchesne County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7345	10/10/2007	ND	ND	57.0 F (13.9 C)	340	186.0	0.100	164.3	Well	Vegetated	Lawn	Steel	Open	✔	✔					
2	7346	10/10/2007	ND	ND	53.4 F (11.9 C)	1116	692.0	17.10	45.50	Well	Clean	Soil	Steel	Sealed	✔	✔					
3	7347	10/10/2007	ND	ND	46.6 F (8.1 C)	732	427.0	1.400	293.9	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**0**	**0**	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7345	10/15/2007	ND	0.0286	ND	46.0938	ND	ND	ND	ND	0.0040	ND	ND	168.4380	3.7193	0.0244	11.9136
2	7346	10/15/2007	ND	0.3686	ND	7.8575	35.7183	ND	15.8282	0.0017	0.0449	ND	0.0112	367.5640	1.6283	0.0429	6.2846
3	7347	10/15/2007	ND	0.0921	ND	66.7677	22.7422	ND	ND	0.0008	0.0117	ND	ND	338.9780	1.5022	0.0213	30.8244
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	3	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7345	10/15/2007	0.0210	ND	4.4004	ND	ND	ND	0.1000	ND	186.0000	ND	0.0023
2	7346	10/15/2007	0.0021	0.0024	265.8853	ND	0.0095	ND	17.1000	0.0135	692.0000	ND	0.0183
3	7347	10/15/2007	0.0026	0.0020	56.7988	ND	ND	ND	1.4000	ND	427.0000	ND	0.0124
Test Count that Exceeded Standard:			0	0	1	0	0	0	1	0	3	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7345	10/15/2007	ND	ND	0.0286	ND	ND	ND	ND	0.0040	ND	ND	ND	ND	8.1500	ND	ND	186.0000	0.0023
2	7346	10/15/2007	ND	ND	0.3686	ND	ND	ND	0.0017	0.0449	ND	0.5309	ND	0.0095	8.5200	0.0135	171.7275	692.0000	0.0183
3	7347	10/15/2007	ND	0.0020	0.0921	ND	ND	ND	0.0008	0.0117	ND	ND	ND	ND	8.3100	ND	71.2746	427.0000	0.0124
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7345	10/15/2007	ND	0.0360	ND	ND	ND	ND	0.0040	ND	ND	4.4004	ND	ND	ND	ND	ND	186.0000
2	7346	10/15/2007	ND	0.0236	ND	ND	ND	0.0017	0.0449	ND	0.5309	265.8853	ND	ND	0.0095	0.0135	171.7275	692.0000
3	7347	10/15/2007	0.0020	0.0412	ND	ND	ND	0.0008	0.0117	ND	ND	56.7988	ND	ND	ND	ND	71.2746	427.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7345	10/15/2007	ND	ND	ND	0.0040	ND	ND	164.3000	0.0210	8.1500	3.8473	ND	186.0000	0.0023
2	7346	10/15/2007	ND	ND	35.7183	0.0449	ND	0.0112	45.5000	0.0021	8.5200	5.7368	171.7275	692.0000	0.0183
3	7347	10/15/2007	ND	ND	22.7422	0.0117	ND	ND	293.9000	0.0026	8.3100	9.0235	71.2746	427.0000	0.0124
Test Count that Exceeded Standard:			0	0	0	0	0	0	2	0	1	0	0	2	0

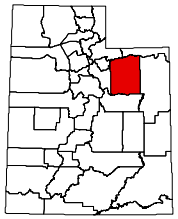
ND - Not Detected

Map 40. Duchesne County District

Map Scale 1:256,000 (1 inch = 4 miles)

Sample location
Major road
Other road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



Uintah County District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7344	10/10/2007	ND	ND	55.0 F (12.8 C)	761	502.0	0.400	412.2	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
		5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7344	10/15/2007	ND	0.0500	ND	141.9199	ND	ND	ND	ND	0.0073	ND	ND	243.2290	3.5535	0.0227	13.9308
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues

Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
		.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7344	10/15/2007	0.0029	0.0230	17.0334	ND	ND	ND	0.4000	0.0164	502.0000	ND	0.2671
Test Count that Exceeded Standard:			0	1	0	0	0	0	0	0	1	0	0

ND - Not Detected

Livestock:

Livestock Standards

Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
		5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7344	10/15/2007	ND	ND	0.0500	ND	ND	ND	ND	0.0073	ND	ND	ND	ND	8.0300	0.0164	194.9673	502.0000	0.2671
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards

Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
		0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
1	7344	10/15/2007	ND	0.0194	ND	ND	ND	ND	0.0073	ND	ND	17.0334	ND	ND	ND	0.0164	194.9673	502.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

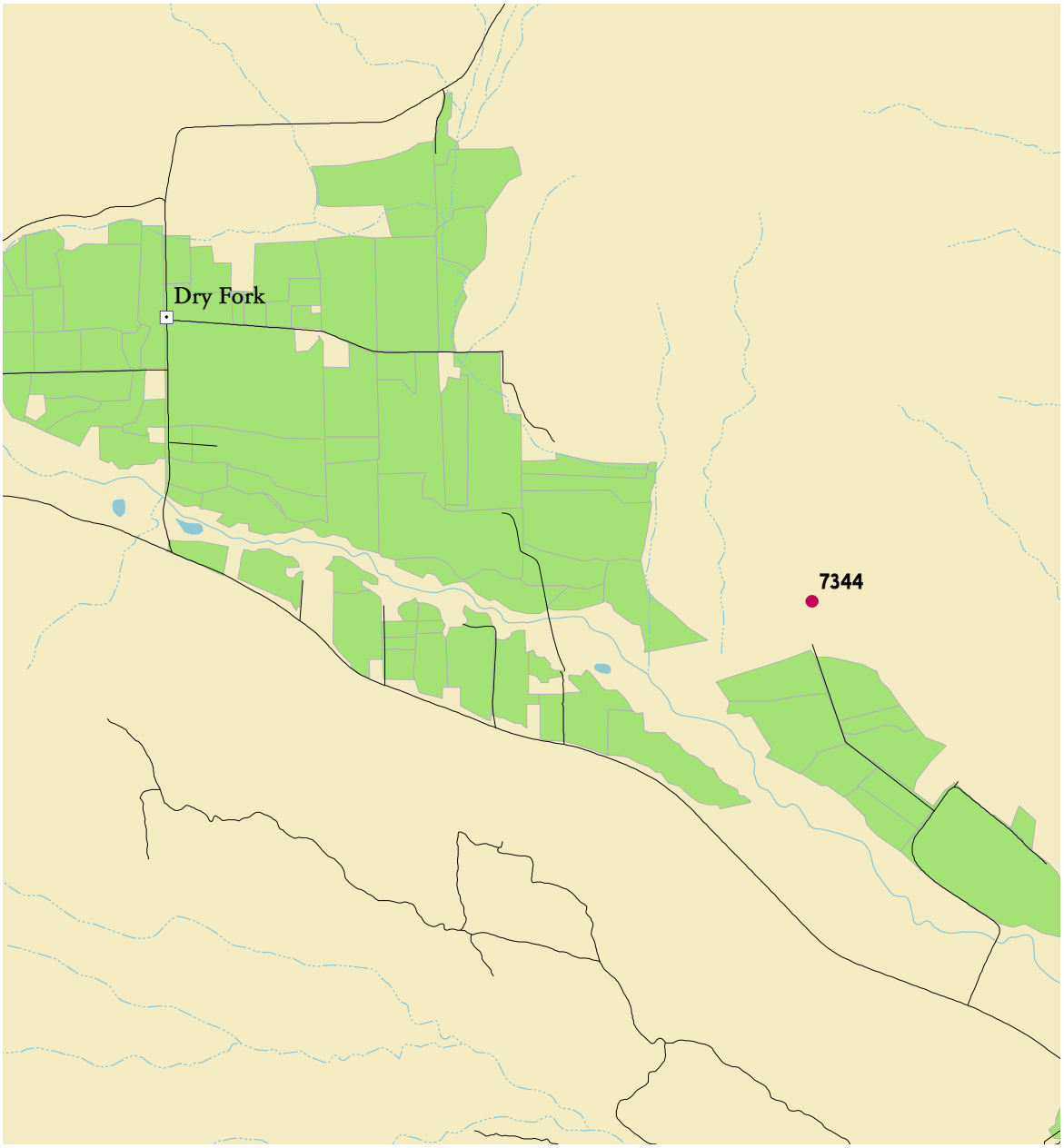
ND - Not Detected

Drinking Water Secondary Standards:

Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
		0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
1	7344	10/15/2007	ND	ND	ND	0.0073	ND	ND	412.2000	0.0029	8.0300	3.5890	194.9673	502.0000	0.2671
Test Count that Exceeded Standard:			0	0	0	0	0	0	1	0	0	0	0	1	0

ND - Not Detected

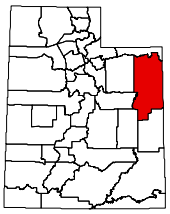
Map 41. Uintah County District



Map Scale 1:24,000 (1 inch = 0.38 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location



UACD Zone 7 (Carbon, Emery, Grand, and San Juan counties, and parts of Duchesne, Sanpete, Sevier, and Utah counties)

Sixty-three (63) sites were sampled in three (3) of the five (5) Soil Conservation Districts in Zone 7 during the spring, summer and fall of 2007. These include the number of samples in the following districts: fifty-eight (58) in Grand, four (4) in Price River Watershed, and one (1) in San Juan County districts. No samples were collect in the San Rafael District.

The Statistical Report below shows a summary of the total number of chemical tests performed (Test Count) for each district in Zone 7. The next four columns summarize the number of tests which exceeded the standard for either Primary Drinking Water (DW Primary), Secondary Drinking Water (DW Secondary), Irrigation, or Livestock.

Ground Water UACD Zone No 7 Statistical Report
For the Samples Collected Between: 3/1/2007 And 11/20/2007

District Name	Sample Count	Test Count	Test Count Which Result Exceeded Standards			
			DW Primary	DW Secondary	Irrigation	Livestock
Grand	58	2320	17	131	168	41
Price River Watershe	4	160	0	12	11	3
San Juan Co.	1	40	0	2	2	0
Zone Totals:	**63**	**2520**	**17**	**145**	**181**	**44**

Detailed tables follow covering the above water quality categories - General, Irrigation, Livestock, and Culinary (which includes Primary Drinking Water Standards and Secondary Drinking Water Standards) for each district along with a map(s). For the Irrigation, Livestock, and Culinary tables the first row lists the explicit standard for each element or compound (column). The standards for irrigation and livestock originated from the Water quality for agriculture 29 Revision 1, published by the Food and Agriculture Organization of the United Nations. The drinking water primary and secondary standards are from the State of Utah's water quality standards. Below the standards are the column headings (expressed as the chemical abbreviation) for each element or compound tested. Units used in measuring the concentrations of each element or compound are found below each abbreviation. Each row of the table is a single sample identified with a sample number. This sample number shows the sampling location on the map(s) located after the chemistry tables. Highlighted sample results show samples that exceed a standard for that element or compound. Totals at the bottom of each table show how many samples in each column exceeded the standard for that column. The value "ND" indicates that a particular element or compound was "Not Detected" for a given sample.

Grand District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7376	10/23/2007	ND	ND	61.2 F (16.2 C)	527	305.0	0.400	275.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
2	7377	10/23/2007	ND	ND	62.2 F (16.8 C)	329	189.0	0.400	157.9	Well	Clean	Soil	Steel	Sealed	✔	✔					
3	7378	10/23/2007	ND	ND	62.2 F (16.8 C)	315	167.0	0.300	152.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
4	7379	10/23/2007	ND	ND	61.2 F (16.2 C)	281	159.0	0.300	137.5	Well	Clean	Covered	Steel	Sealed	✔	✔					
5	7380	10/23/2007	ND	ND	63.3 F (17.4 C)	275	159.0	0.200	135.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
6	7381	10/23/2007			59.9 F (15.5 C)	344	193.0	0.300	163.2	Well	Clean	Covered	Steel	Open	✔	✔					
7	7382	10/23/2007	ND	ND	61.5 F (16.4 C)	283	163.0	0.300	138.1	Well	Livestock	Covered	Steel	Sealed	✔	✔					
8	7383	10/23/2007	ND	ND	62.4 F (16.9 C)	282	162.0	0.300	136.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
9	7384	10/23/2007	ND	ND	60.8 F (16.0 C)	276	156.0	0.200	133.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
10	7385	10/23/2007	ND	ND	58.3 F (14.6 C)	998	722.0	1.000	531.4	Well	Vegetated	Well House	Steel	Sealed		✔					
11	7386	10/23/2007	ND	ND	59.9 F (15.5 C)	806	529.0	1.000	400.3	Well	Vegetated	Well House	Steel	Sealed		✔					
12	7388	10/23/2007	ND	ND	60.8 F (16.0 C)	1199	786.0	3.200	425.7	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
13	7389	10/24/2007	ND	ND	60.6 F (15.9 C)	1849	1666.	0.800	1236.	Well	Gravel	Gravel	Steel	Sealed	✔	✔					
14	7390	10/24/2007	ND	ND	56.8 F (13.8 C)	2960	1797.	1.400	1325.	Well	Loam	Well House			✔	✔					
15	7391	10/24/2007	POS	ND	55.0 F (12.8 C)	872	551.0	1.400	387.7	Well	Vegetated	Well House	Steel	Sealed	✔	✔					
16	7392	10/24/2007	POS	ND	54.7 F (12.6 C)	1173	728.0	0.900	695.9	Well	Vegetated	Natural	Steel	Sealed	✔	✔					
17	7393	10/24/2007	POS	ND	57.9 F (14.4 C)	1177	855.0	1.400	612.9	Spring	Vegetated	Well House	Cinder Block	Open	✔	✔					
18	7394	10/24/2007	POS	ND	57.7 F (14.3 C)	936	614.0	1.400	427.4	Well	Vegetated	Concrete Pad	Steel	Sealed	✔	✔					
19	7395	10/24/2007	POS	ND	59.0 F (15.0 C)	896	584.0	1.200	408.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
20	7396	10/24/2007	ND	ND	57.6 F (14.2 C)	616	383.0	0.700	291.3	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
21	7397	10/24/2007	ND	ND	57.0 F (13.9 C)	657	402.0	0.700	322.3	Well	Vegetated	Covered	Steel	Piping	✔	✔					
22	7398	10/24/2007	ND	ND	57.0 F (13.9 C)	601	363.0	0.600	289.7	Well	Vegetated	Well House	Steel	Sealed	✔	✔					
23	7399	10/24/2007	POS	POS	57.0 F (13.9 C)	780	506.0	0.700	398.0	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
24	7400	10/24/2007	POS	ND	54.7 F (12.6 C)	459	258.0	0.600	213.3	Well		Covered	Steel		✔	✔					
25	7401	10/24/2007	ND	ND	59.5 F (15.3 C)	1414	1144.	0.900	867.6	Well	Clean	Soil	Steel	Sealed	✔	✔					
26	7402	10/24/2007	POS	ND	58.5 F (14.7 C)	1246	1015.	0.800	782.2	Well	Vegetated	Pit Wood	Steel		✔	✔					
27	7403	10/24/2007	ND	ND	60.3 F (15.7 C)	1617	1414.	1.000	1182.	Well	Clean	Soil	Steel	Sealed	✔	✔					
28	7404	10/24/2007	ND	ND	57.6 F (14.2 C)	534	305.0	0.600	240.9	Well	Clean	Well House	Steel		✔	✔					
29	7405	10/24/2007	ND	ND	57.2 F (14.0 C)	822	547.0	0.700	444.7	Well	Clean	Pit Masonry	PVC	Sealed	✔	✔					
30	7406	10/24/2007	ND	ND	60.6 F (15.9 C)	3507	1771.	2.200	1671.	Well	Livestock	Well House	Steel	Sealed	✔	✔					
31	7407	10/24/2007	ND	ND	60.3 F (15.7 C)	1757	1564.	1.300	1197.	Well	Clean	Soil	Steel	Sealed	✔	✔					
32	7408	10/24/2007	POS	ND	60.8 F (16.0 C)	3230	2066.	2.000	1383.	Well	Surface Water	Pit Soil	Steel	Sealed	✔	✔					
33	7409	10/24/2007	ND	ND	56.5 F (13.6 C)	549	280.0	1.000	214.6	Well	Clean	Well House	Steel	Sealed	✔	✔					
34	7410	10/24/2007	POS	ND	60.4 F (15.8 C)	1692	1494.	1.100	1271.	Well	Clay Soil	Well House	Steel	Subsidence	✔	✔					
35	7411	10/24/2007	ND	ND	57.9 F (14.4 C)	496	265.0	1.000	207.4	Well	Clean	Soil	PVC	Sealed	✔	✔					
36	7412	10/24/2007	ND	ND	61.0 F (16.1 C)	3910	2727.	2.800	1849.	Well	Clean	Well House	Steel	Sealed	✔	✔					

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperatura	EC			Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
37	7413	10/24/2007	POS	ND	60.8 F (16.0 C)	3310	1704.	1.700 1836.	Well	Clean	Soil	Steel	Sealed	✔	✔					
38	7414	10/24/2007	ND	ND	64.8 F (18.2 C)	4090	2532.	3.100 1697.	Well	Clean	Soil	Steel	Sealed	✔	✔					
39	7415	10/24/2007	POS	ND	61.2 F (16.2 C)	1750	1593.	1.100 1215.	Well	Clean	Soil	Steel	Sealed	✔	✔					
40	7416	10/24/2007	ND	ND	55.4 F (13.0 C)	441	245.0	0.600 172.4	Well	Clean	Well House	Steel	Sealed	✔	✔					
41	7417	10/24/2007	ND	ND	55.6 F (13.1 C)	381	229.0	0.600 179.9	Well	Clean	Well House	Steel	Sealed	✔	✔					
42	7418	10/24/2007	ND	ND	59.9 F (15.5 C)	631	380.0	1.200 282.1	Well	Clean	Well House	Steel	Sealed	✔	✔					
43	7419	10/24/2007	ND	ND	65.5 F (18.6 C)	1100	848.0	1.000 739.2	Well	Clean	Soil	Steel	Sealed	✔	✔					
44	7420	10/24/2007	ND	ND	57.7 F (14.3 C)	408	233.0	0.800 176.7	Well	Clean	Well House	Steel	Sealed	✔	✔					
45	7421	10/24/2007	ND	ND	60.4 F (15.8 C)	423	245.0	0.900 172.8	Well	Clean	Covered	Steel	Sealed	✔	✔					
46	7422	10/24/2007	ND	ND	60.6 F (15.9 C)	611	344.0	1.300 242.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
47	7423	10/24/2007	ND	ND	63.7 F (17.6 C)	369	214.0	0.600 166.1	Well	Vegetated	Soil	Steel	Sealed	✔	✔					
48	7424	10/24/2007	POS	ND	62.1 F (16.7 C)	1724	1495.	1.100 1228.	Well	Clean	Soil	Steel	Sealed	✔	✔					
49	7425	10/24/2007	POS	ND	56.5 F (13.6 C)	1444	1035.	1.000 914.9	Well	Clean	Covered			✔	✔					
50	7426	10/24/2007	ND	ND	55.9 F (13.3 C)	373	198.0	0.600 141.1	Well	Clean	Gravel	Steel	Sealed	✔	✔					
51	7427	10/24/2007	ND	ND	57.9 F (14.4 C)	468	271.0	0.500 218.1	Well	Clean	Soil	Steel	Sealed	✔	✔					
52	7428	10/24/2007	POS	ND	53.4 F (11.9 C)	370	200.0	0.500 155.5	Well	Surface Water	Soil			✔	✔					
53	7429	10/24/2007	ND	ND	55.6 F (13.1 C)	362	204.0	0.500 152.8	Well	Clean	Well House	Steel	Sealed	✔	✔					
54	7430	10/24/2007	ND	ND	55.9 F (13.3 C)	379	246.0	0.400 274.8	Well	Clean	Soil	PVC	Sealed	✔	✔					
55	7431	10/24/2007	ND	ND	54.9 F (12.7 C)	552	279.0	0.500 139.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
56	7432	10/24/2007	ND	ND	54.9 F (12.7 C)	337	213.0	0.600 213.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
57	7433	10/24/2007	POS	ND	57.0 F (13.9 C)	452	250.0	0.500 170.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
58	7434	10/24/2007	ND	ND	55.6 F (13.1 C)	380	317.0	0.300 446.0	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			**16**	**1**	ND - Not Detected															

Irrigation:

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
1	7376	10/25/2007	ND	0.0357	ND	72.3063	13.5794	ND	ND	0.0011	0.0275	ND	ND	190.0150	1.3820	0.0068	22.9508
2	7377	10/25/2007	ND	0.0223	ND	39.6875	ND	ND	ND	0.0011	0.0133	ND	ND	143.9570	1.3235	0.0031	14.2468
3	7378	10/25/2007	ND	0.0197	ND	38.0296	ND	ND	ND	0.0012	0.0140	ND	ND	142.0300	1.2498	ND	13.8441
4	7379	10/25/2007	ND	0.0185	ND	32.9647	ND	ND	ND	0.0011	0.0157	ND	ND	138.2350	1.3710	ND	13.3787
5	7380	10/25/2007	ND	0.0166	ND	33.2176	ND	ND	ND	0.0009	0.0110	ND	ND	135.8150	1.2140	ND	12.7407
6	7381	10/25/2007	ND	0.0188	ND	40.9682	ND	ND	ND	0.0011	0.0174	ND	ND	142.8230	1.1933	0.0033	14.7425
7	7382	10/25/2007	ND	0.0169	ND	34.4987	ND	ND	ND	0.0010	0.0183	ND	ND	136.9900	1.1466	ND	12.5901
8	7383	10/25/2007	ND	0.0169	ND	34.1502	ND	ND	ND	0.0011	0.0071	ND	ND	136.5430	1.1276	ND	12.3192
9	7384	10/25/2007	ND	0.0159	ND	34.3276	ND	ND	ND	0.0009	0.0141	ND	ND	131.3410	1.0701	ND	11.5342
10	7385	10/25/2007	ND	0.0271	ND	142.4588	28.8809	ND	ND	0.0009	0.0074	ND	ND	194.5990	2.8228	0.0068	42.5340
11	7386	10/25/2007	ND	0.0548	ND	110.8977	21.3131	ND	ND	0.0015	0.0066	ND	ND	240.8880	2.6950	0.0062	29.8625
12	7388	10/25/2007	ND	0.0733	ND	113.2426	137.6227	ND	ND	0.0009	0.0040	ND	ND	263.2580	2.7964	0.0304	34.6143
13	7389	10/29/2007	ND	0.0703	ND	384.6636	67.9200	0.0004	ND	0.0017	0.0131	ND	ND	342.1470	4.8063	0.0155	66.7161
14	7390	10/29/2007	ND	0.1405	ND	356.4944	109.0871	0.0003	ND	0.0012	0.0078	ND	ND	268.7800	9.3288	0.0232	105.4189
15	7391	10/29/2007	ND	0.0487	ND	106.0708	56.7346	ND	ND	0.0006	0.0117	ND	ND	209.6170	2.8630	0.0068	29.7325
16	7392	10/29/2007	ND	0.1497	ND	181.2633	38.5123	ND	ND	0.0014	0.0218	ND	ND	322.0170	5.9824	0.0173	58.9163
17	7393	10/29/2007	ND	0.0729	ND	166.0064	85.0610	ND	ND	0.0009	0.0290	ND	ND	248.2380	3.7803	0.0097	48.0361
18	7394	10/29/2007	ND	0.0529	ND	119.0786	65.2619	ND	ND	0.0010	0.0043	ND	ND	215.0450	2.8837	0.0076	31.4721
19	7395	10/29/2007	ND	0.1378	ND	92.5870	51.7204	ND	ND	ND	0.0013	ND	ND	153.1870	5.6800	0.0091	42.9132
20	7396	10/29/2007	ND	0.0389	ND	81.1137	25.1263	ND	ND	0.0009	0.0098	ND	ND	174.9290	1.7320	0.0032	21.4926
21	7397	10/29/2007	ND	0.0417	ND	90.3428	24.2744	ND	ND	ND	0.0056	ND	ND	171.8180	1.8130	0.0036	23.3996
22	7398	10/29/2007	ND	0.0355	ND	80.7583	22.1508	ND	ND	0.0011	0.0040	ND	ND	172.9530	1.7368	ND	21.3192
23	7399	10/29/2007	ND	0.0508	ND	111.7838	31.7853	ND	ND	0.0006	0.0175	ND	ND	168.6030	1.9851	0.0044	28.7703
24	7400	10/29/2007	ND	0.0232	ND	58.0609	14.7553	ND	ND	0.0009	0.0092	ND	ND	170.9250	1.4635	ND	16.5525
25	7401	10/29/2007	ND	0.0866	ND	212.3276	83.8719	ND	ND	0.0011	0.0062	ND	ND	166.7080	3.3141	0.0088	81.7434
26	7402	10/29/2007	ND	0.0891	ND	230.6839	60.3983	ND	ND	0.0010	0.0125	ND	ND	168.6120	2.9453	0.0098	49.8670
27	7403	10/29/2007	ND	0.1526	ND	359.6068	86.3660	ND	ND	0.0007	0.0067	ND	ND	162.0430	3.8554	0.0158	68.8931
28	7404	10/29/2007	ND	0.0312	ND	65.8496	18.0326	ND	ND	0.0006	0.0106	ND	ND	172.8640	1.5355	ND	18.5203
29	7405	10/29/2007	ND	0.0562	ND	125.1849	31.6529	ND	ND	0.0006	0.0084	ND	ND	174.1950	2.1608	0.0052	31.9821
30	7406	10/29/2007	ND	0.3664	ND	446.9534	133.9928	0.0003	ND	0.0009	0.0054	ND	0.0110	158.4360	12.9048	0.0533	134.4683
31	7407	10/29/2007	ND	0.1934	ND	338.4955	103.5028	ND	ND	0.0006	0.0101	ND	ND	170.7810	5.3091	0.0197	85.2039
32	7408	10/29/2007	ND	0.2584	ND	325.9106	172.7905	0.0003	ND	0.0007	0.0148	ND	ND	150.9840	10.2764	0.0310	138.1118
33	7409	10/29/2007	ND	0.0262	ND	58.2439	27.4407	ND	ND	0.0012	0.0182	ND	ND	161.5820	1.5974	0.0035	16.7488
34	7410	10/29/2007	ND	0.1867	ND	389.7534	104.2125	0.0003	ND	ND	0.0147	ND	ND	174.3060	4.6825	0.0190	72.1517
35	7411	10/29/2007	ND	0.0182	ND	56.7244	25.3521	ND	ND	0.0014	0.0088	ND	ND	159.7890	1.6420	0.0036	15.9271
36	7412	10/29/2007	ND	0.4415	ND	525.1920	266.8979	0.0005	ND	ND	0.0295	ND	ND	188.8060	14.7320	0.0697	130.3243

Irrigation Standards			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
37	7413	10/29/2007	ND	0.3110	ND	559.6310	119.2389	0.0005	ND	ND	0.0181	ND	ND	183.6110	10.7829	0.0385	106.0688
38	7414	10/29/2007	ND	0.5122	ND	469.2481	241.8298	0.0005	ND	ND	0.0146	ND	ND	187.2400	16.6035	0.0838	127.1974
39	7415	10/30/2007	ND	0.1792	ND	375.1763	116.2709	0.0004	ND	ND	0.0189	ND	ND	206.7230	4.2107	0.0188	67.2592
40	7416	11/9/2007	ND	0.0220	ND	46.1128	14.5348	ND	ND	0.0006	0.0149	ND	ND	211.4140	1.2634	ND	13.8643
41	7417	11/7/2007	ND	0.0145	ND	48.6256	13.3075	ND	ND	0.0005	0.0085	ND	ND	195.3750	1.4888	ND	14.1634
42	7418	11/7/2007	ND	0.0251	ND	76.8007	38.4314	ND	ND	0.0008	0.0105	ND	ND	198.1410	1.9707	0.0056	21.8690
43	7419	11/7/2007	ND	0.0872	ND	206.1254	45.1070	0.0013	ND	ND	0.0208	ND	ND	198.7160	3.2922	0.0103	54.3524
44	7420	11/7/2007	ND	0.0143	ND	48.1285	17.3218	ND	ND	0.0007	0.0099	ND	ND	180.6980	1.4908	ND	13.6887
45	7421	10/30/2007	ND	0.0163	ND	46.3631	22.0485	ND	ND	0.0008	0.0046	ND	ND	173.9150	1.3874	0.0033	13.8134
46	7422	10/30/2007	ND	0.0261	ND	65.8166	34.4371	ND	ND	0.0007	0.0121	ND	ND	192.0460	1.7574	0.0058	18.8671
47	7423	10/30/2007	ND	0.0133	ND	44.7939	12.4511	ND	ND	0.0005	0.0592	ND	ND	185.0110	1.3906	ND	13.1360
48	7424	10/30/2007	ND	0.1652	ND	389.2766	92.0237	0.0004	ND	ND	0.0164	ND	ND	195.9280	4.0333	0.0181	62.0372
49	7425	10/30/2007	ND	0.1258	ND	254.4876	69.5339	0.0003	ND	ND	0.0118	ND	ND	197.0300	3.3392	0.0136	67.6410
50	7426	10/30/2007	ND	0.0181	ND	37.6528	12.7957	ND	ND	0.0006	0.0042	ND	ND	173.4350	1.1310	ND	11.3958
51	7427	10/30/2007	ND	0.0301	ND	59.3840	12.1015	ND	ND	ND	0.0071	ND	ND	191.5850	1.3740	ND	16.8959
52	7428	10/30/2007	ND	0.0157	ND	41.4217	ND	ND	ND	ND	0.0126	ND	ND	173.2360	1.2347	ND	12.6177
53	7429	10/30/2007	ND	0.0160	ND	41.0717	12.7086	ND	ND	0.0005	0.0140	ND	ND	176.4670	1.1907	ND	12.1769
54	7430	10/30/2007	ND	0.0148	ND	75.9390	ND	ND	ND	0.0007	0.0062	ND	ND	181.4870	1.6297	ND	20.6293
55	7431	10/30/2007	ND	0.0342	ND	35.4943	11.0153	ND	ND	0.0007	0.0181	ND	ND	201.1700	1.1693	ND	12.3197
56	7432	10/30/2007	ND	0.0112	ND	57.4448	ND	ND	ND	ND	0.0014	ND	ND	159.7330	1.4573	ND	16.9666
57	7433	10/30/2007	ND	0.0215	ND	46.2041	13.9655	ND	ND	0.0007	0.0087	ND	ND	189.4680	1.2543	ND	13.2971
58	7434	10/30/2007	ND	0.0143	ND	147.8175	11.8350	ND	ND	0.0009	0.0093	ND	ND	177.7360	1.2381	ND	18.5477
Test Count that Exceeded Standard			0	1	0	0	14	0	0	0	0	0	0	58	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7376	10/25/2007	ND	0.0009	14.2383	0.0008	ND	ND	0.4000	ND	305.0000	0.0019	0.0080
2	7377	10/25/2007	ND	0.0017	10.2411	0.0007	ND	ND	0.4000	ND	189.0000	ND	0.0403
3	7378	10/25/2007	0.0003	0.0017	9.2730	ND	ND	ND	0.3000	ND	167.0000	ND	0.0409
4	7379	10/25/2007	0.0005	0.0022	6.8269	ND	ND	ND	0.3000	ND	159.0000	ND	0.2597
5	7380	10/25/2007	0.0017	0.0020	6.5409	ND	ND	ND	0.2000	ND	159.0000	ND	0.0188
6	7381	10/25/2007	0.0004	0.0017	9.9624	0.0009	ND	ND	0.3000	ND	193.0000	ND	0.0483
7	7382	10/25/2007	0.0004	0.0019	7.3740	ND	ND	ND	0.3000	ND	163.0000	ND	0.0183
8	7383	10/25/2007	0.0004	0.0019	7.7938	ND	ND	ND	0.3000	ND	162.0000	ND	0.0791
9	7384	10/25/2007	0.0011	0.0018	6.3243	0.0007	ND	ND	0.2000	ND	156.0000	ND	0.2490
10	7385	10/25/2007	0.0389	0.0007	53.1853	0.0013	ND	ND	1.0000	0.0052	722.0000	ND	0.0757
11	7386	10/25/2007	0.0056	0.0010	46.0567	0.0009	ND	ND	1.0000	ND	529.0000	ND	0.0464
12	7388	10/25/2007	0.4807	0.0124	150.7004	0.0011	ND	ND	3.2000	ND	786.0000	ND	0.0179
13	7389	10/29/2007	0.0022	0.0018	60.7618	0.0027	ND	ND	0.8000	ND	1666.0000	0.0023	0.0535
14	7390	10/29/2007	ND	0.0026	119.3455	0.0023	ND	ND	1.4000	ND	1797.0000	0.0138	0.0258
15	7391	10/29/2007	0.0047	0.0051	63.8646	0.0013	ND	ND	1.4000	ND	551.0000	0.0021	0.0097
16	7392	10/29/2007	0.0010	0.0041	57.2602	0.0013	ND	ND	0.9000	ND	728.0000	0.0073	0.0109
17	7393	10/29/2007	0.0040	0.0037	77.1214	0.0013	ND	ND	1.4000	ND	855.0000	0.0023	0.0421
18	7394	10/29/2007	0.0008	0.0050	66.3944	0.0007	ND	ND	1.4000	ND	614.0000	0.0032	0.0315
19	7395	10/29/2007	0.0739	0.0033	56.2735	0.0007	ND	ND	1.2000	ND	584.0000	ND	0.0044
20	7396	10/29/2007	0.0004	0.0094	25.6809	ND	ND	ND	0.7000	ND	383.0000	0.0033	0.0214
21	7397	10/29/2007	0.0057	0.0091	26.9833	ND	ND	ND	0.7000	ND	402.0000	ND	0.0101
22	7398	10/29/2007	0.0005	0.0090	24.7819	ND	ND	ND	0.6000	ND	363.0000	0.0030	0.0102
23	7399	10/29/2007	0.0836	0.0078	32.2830	0.0018	ND	ND	0.7000	ND	506.0000	ND	0.0140
24	7400	10/29/2007	0.0022	0.0105	20.3977	ND	ND	ND	0.6000	ND	258.0000	0.0023	0.0248
25	7401	10/29/2007	0.0020	0.0053	62.3041	0.0014	ND	ND	0.9000	ND	1144.0000	0.0070	0.0318
26	7402	10/29/2007	0.0009	0.0080	53.6967	0.0015	0.0013	ND	0.8000	ND	1015.0000	0.0034	0.3498
27	7403	10/29/2007	0.0095	0.0064	76.6017	0.0019	ND	ND	1.0000	ND	1414.0000	0.0027	0.0263
28	7404	10/29/2007	0.0032	0.0110	21.5761	ND	ND	ND	0.6000	ND	305.0000	0.0024	0.0429
29	7405	10/29/2007	0.0018	0.0090	35.1998	0.0007	ND	ND	0.7000	ND	547.0000	0.0024	0.0152
30	7406	10/29/2007	0.0024	0.0167	207.5163	0.0025	ND	ND	2.2000	0.0219	1771.0000	0.0147	0.0741
31	7407	10/29/2007	0.0018	0.0082	101.3669	0.0025	ND	ND	1.3000	ND	1564.0000	0.0057	0.0831
32	7408	10/29/2007	0.0022	0.0127	171.9609	0.0025	ND	ND	2.0000	0.0274	2066.0000	0.0067	0.0453
33	7409	10/29/2007	0.0014	0.0083	32.7972	ND	ND	ND	1.0000	ND	280.0000	0.0019	0.0223
34	7410	10/29/2007	0.0170	0.0057	91.3344	0.0025	ND	ND	1.1000	ND	1494.0000	ND	0.0134
35	7411	10/29/2007	ND	0.0092	31.7736	ND	ND	ND	1.0000	ND	265.0000	0.0028	0.0231
36	7412	10/29/2007	0.0021	0.0180	275.5867	0.0034	ND	ND	2.8000	0.0189	2727.0000	0.0192	0.7170

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
37	7413	10/29/2007	0.0004	0.0134	169.5707	0.0032	ND	ND	1.7000	0.0094	1704.0000	0.0190	0.0347
38	7414	10/29/2007	ND	0.0202	293.9238	0.0040	ND	ND	3.1000	0.0227	2532.0000	0.0179	0.0978
39	7415	10/30/2007	0.0229	0.0049	86.3942	0.0023	ND	ND	1.1000	ND	1593.0000	0.0025	0.0545
40	7416	11/9/2007	0.0009	0.0112	16.6296	0.0031	ND	ND	0.6000	ND	245.0000	0.0024	0.2878
41	7417	11/7/2007	0.0012	0.0112	19.8259	ND	ND	ND	0.6000	ND	229.0000	0.0019	0.0048
42	7418	11/7/2007	0.0007	0.0058	47.7750	ND	ND	ND	1.2000	ND	380.0000	0.0024	0.0207
43	7419	11/7/2007	0.0197	0.0072	62.1427	0.0024	ND	ND	1.0000	ND	848.0000	ND	0.0820
44	7420	11/7/2007	0.0006	0.0100	24.8199	ND	ND	ND	0.8000	ND	233.0000	0.0024	0.0045
45	7421	10/30/2007	0.0015	0.0077	27.5261	ND	ND	ND	0.9000	ND	245.0000	0.0025	0.0078
46	7422	10/30/2007	0.0011	0.0054	45.5623	ND	ND	ND	1.3000	ND	344.0000	0.0019	0.0425
47	7423	10/30/2007	0.0028	0.0112	17.8624	0.0008	ND	ND	0.6000	ND	214.0000	0.0020	0.4501
48	7424	10/30/2007	0.0039	0.0053	84.9801	0.0025	ND	ND	1.1000	ND	1495.0000	0.0029	0.0526
49	7425	10/30/2007	0.0037	0.0066	69.0588	0.0018	ND	ND	1.0000	ND	1035.0000	0.0038	0.0100
50	7426	10/30/2007	0.0049	0.0112	16.4563	ND	ND	ND	0.6000	ND	198.0000	0.0021	0.0110
51	7427	10/30/2007	0.0054	0.0108	16.6049	0.0007	ND	ND	0.5000	ND	271.0000	0.0024	0.0126
52	7428	10/30/2007	0.0016	0.0123	15.6297	ND	ND	ND	0.5000	ND	200.0000	0.0020	0.1256
53	7429	10/30/2007	0.0011	0.0124	15.2942	0.0008	ND	ND	0.5000	ND	204.0000	0.0020	0.2252
54	7430	10/30/2007	0.0003	0.0120	16.3039	ND	ND	ND	0.4000	ND	246.0000	0.0024	0.0375
55	7431	10/30/2007	0.0025	0.0090	14.8952	0.0009	ND	ND	0.5000	ND	279.0000	0.0023	0.0303
56	7432	10/30/2007	0.1009	0.0096	18.5507	ND	ND	ND	0.6000	ND	213.0000	ND	0.0576
57	7433	10/30/2007	0.0012	0.0099	16.0833	ND	ND	ND	0.5000	ND	250.0000	0.0030	0.0182
58	7434	10/30/2007	0.0008	0.0122	16.3298	ND	ND	ND	0.3000	ND	317.0000	0.0023	0.0090
Test Count that Exceeded Standard:			1	18	13	0	0	0	2	3	58	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7376	10/25/2007	ND	ND	0.0357	ND	ND	ND	0.0011	0.0275	ND	ND	ND	ND	7.5300	ND	74.2580	305.0000	0.0080
2	7377	10/25/2007	ND	ND	0.0223	ND	ND	ND	0.0011	0.0133	ND	ND	ND	ND	7.6300	ND	39.5168	189.0000	0.0403
3	7378	10/25/2007	ND	ND	0.0197	ND	ND	ND	0.0012	0.0140	ND	ND	ND	ND	7.8400	ND	ND	167.0000	0.0409
4	7379	10/25/2007	ND	ND	0.0185	ND	ND	ND	0.0011	0.0157	ND	ND	ND	ND	7.7200	ND	ND	159.0000	0.2597
5	7380	10/25/2007	ND	ND	0.0166	ND	ND	ND	0.0009	0.0110	ND	ND	ND	ND	7.6500	ND	ND	159.0000	0.0188
6	7381	10/25/2007	ND	ND	0.0188	ND	ND	ND	0.0011	0.0174	ND	ND	ND	ND	7.6700	ND	40.8512	193.0000	0.0483
7	7382	10/25/2007	ND	ND	0.0169	ND	ND	ND	0.0010	0.0183	ND	ND	ND	ND	7.6800	ND	ND	163.0000	0.0183
8	7383	10/25/2007	ND	ND	0.0169	ND	ND	ND	0.0011	0.0071	ND	ND	ND	ND	7.8000	ND	ND	162.0000	0.0791
9	7384	10/25/2007	ND	ND	0.0159	ND	ND	ND	0.0009	0.0141	ND	ND	ND	ND	7.8000	ND	ND	156.0000	0.2490
10	7385	10/25/2007	ND	ND	0.0271	ND	ND	ND	0.0009	0.0074	ND	ND	10.4707	ND	7.6400	0.0052	339.8618	722.0000	0.0757
11	7386	10/25/2007	ND	ND	0.0548	ND	ND	ND	0.0015	0.0066	ND	ND	16.7266	ND	7.5500	ND	176.2661	529.0000	0.0464
12	7388	10/25/2007	ND	0.0029	0.0733	ND	ND	ND	0.0009	0.0040	ND	ND	ND	ND	7.7600	ND	207.7156	786.0000	0.0179
13	7389	10/29/2007	ND	ND	0.0703	ND	ND	0.0004	0.0017	0.0131	ND	ND	ND	ND	7.3600	ND	902.9046	1666.0000	0.0535
14	7390	10/29/2007	ND	ND	0.1405	ND	ND	0.0003	0.0012	0.0078	ND	ND	ND	ND	7.6600	ND	956.1852	1797.0000	0.0258
15	7391	10/29/2007	ND	ND	0.0487	ND	ND	ND	0.0006	0.0117	ND	ND	ND	ND	7.8800	ND	181.7541	551.0000	0.0097
16	7392	10/29/2007	ND	ND	0.1497	ND	ND	ND	0.0014	0.0218	ND	ND	ND	ND	8.0000	ND	216.6537	728.0000	0.0109
17	7393	10/29/2007	ND	ND	0.0729	ND	ND	ND	0.0009	0.0290	ND	ND	ND	ND	7.7600	ND	343.1616	855.0000	0.0421
18	7394	10/29/2007	ND	ND	0.0529	ND	ND	ND	0.0010	0.0043	ND	ND	ND	ND	7.6700	ND	214.3749	614.0000	0.0315
19	7395	10/29/2007	ND	ND	0.1378	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	7.8200	ND	256.8495	584.0000	0.0044
20	7396	10/29/2007	ND	ND	0.0389	ND	ND	ND	0.0009	0.0098	ND	ND	ND	ND	7.9700	ND	136.2790	383.0000	0.0214
21	7397	10/29/2007	ND	ND	0.0417	ND	ND	ND	ND	0.0056	ND	ND	ND	ND	7.9500	ND	144.9673	402.0000	0.0101
22	7398	10/29/2007	ND	ND	0.0355	ND	ND	ND	0.0011	0.0040	ND	ND	ND	ND	7.8300	ND	122.0369	363.0000	0.0102
23	7399	10/29/2007	ND	ND	0.0508	ND	ND	ND	0.0006	0.0175	ND	ND	ND	ND	7.7200	ND	211.4484	506.0000	0.0140
24	7400	10/29/2007	ND	ND	0.0232	ND	ND	ND	0.0009	0.0092	ND	ND	ND	ND	8.0500	ND	57.5766	258.0000	0.0248
25	7401	10/29/2007	ND	ND	0.0866	ND	ND	ND	0.0011	0.0062	ND	ND	ND	ND	7.8800	ND	608.3347	1144.0000	0.0318
26	7402	10/29/2007	ND	ND	0.0891	ND	ND	ND	0.0010	0.0125	ND	ND	ND	0.0013	7.8800	ND	528.3207	1015.0000	0.3498
27	7403	10/29/2007	ND	ND	0.1526	ND	ND	ND	0.0007	0.0067	ND	ND	ND	ND	7.6900	ND	732.8650	1414.0000	0.0263
28	7404	10/29/2007	ND	ND	0.0312	ND	ND	ND	0.0006	0.0106	ND	ND	ND	ND	8.0500	ND	88.4769	305.0000	0.0429
29	7405	10/29/2007	ND	ND	0.0562	ND	ND	ND	0.0006	0.0084	ND	ND	ND	ND	7.9700	ND	229.1914	547.0000	0.0152
30	7406	10/29/2007	ND	ND	0.3664	ND	ND	0.0003	0.0009	0.0054	ND	ND	ND	ND	7.6100	0.0219	750.0804	1771.0000	0.0741
31	7407	10/29/2007	ND	ND	0.1934	ND	ND	ND	0.0006	0.0101	ND	ND	ND	ND	7.8000	ND	840.0969	1564.0000	0.0831
32	7408	10/29/2007	ND	ND	0.2584	ND	ND	0.0003	0.0007	0.0148	ND	ND	ND	ND	7.6100	0.0274	1165.3230	2066.0000	0.0453
33	7409	10/29/2007	ND	ND	0.0262	ND	ND	ND	0.0012	0.0182	ND	ND	ND	ND	8.0800	ND	57.7326	280.0000	0.0223
34	7410	10/29/2007	ND	ND	0.1867	ND	ND	0.0003	ND	0.0147	ND	ND	ND	ND	7.8400	ND	740.5155	1494.0000	0.0134
35	7411	10/29/2007	ND	ND	0.0182	ND	ND	ND	0.0014	0.0088	ND	ND	ND	ND	8.0000	ND	48.0893	265.0000	0.0231
36	7412	10/29/2007	ND	ND	0.4415	ND	ND	0.0005	ND	0.0295	ND	ND	ND	ND	7.6100	0.0189	1414.5060	2727.0000	0.7170

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
37	7413	10/29/2007	ND	ND	0.3110	ND	ND	0.0005	ND	0.0181	ND	ND	ND	ND	7.7400	0.0094	640.1294	1704.0000	0.0347
38	7414	10/29/2007	ND	ND	0.5122	ND	ND	0.0005	ND	0.0146	ND	ND	ND	ND	7.7900	0.0227	1285.7110	2532.0000	0.0978
39	7415	10/30/2007	ND	ND	0.1792	ND	ND	0.0004	ND	0.0189	ND	ND	ND	ND	7.6800	ND	837.2786	1593.0000	0.0545
40	7416	11/9/2007	ND	ND	0.0220	ND	ND	ND	0.0006	0.0149	ND	ND	ND	ND	7.8600	ND	42.9669	245.0000	0.2878
41	7417	11/7/2007	ND	ND	0.0145	ND	ND	ND	0.0005	0.0085	ND	ND	ND	ND	7.8900	ND	ND	229.0000	0.0048
42	7418	11/7/2007	ND	ND	0.0251	ND	ND	ND	0.0008	0.0105	ND	ND	ND	ND	7.8900	ND	87.6214	380.0000	0.0207
43	7419	11/7/2007	ND	ND	0.0872	ND	ND	0.0013	ND	0.0208	ND	ND	ND	ND	7.7400	ND	373.3937	848.0000	0.0820
44	7420	11/7/2007	ND	ND	0.0143	ND	ND	ND	0.0007	0.0099	ND	ND	ND	ND	7.9600	ND	ND	233.0000	0.0045
45	7421	10/30/2007	ND	ND	0.0163	ND	ND	ND	0.0008	0.0046	ND	ND	ND	ND	7.9400	ND	40.6341	245.0000	0.0078
46	7422	10/30/2007	ND	ND	0.0261	ND	ND	ND	0.0007	0.0121	ND	ND	ND	ND	7.9400	ND	75.8800	344.0000	0.0425
47	7423	10/30/2007	ND	ND	0.0133	ND	ND	ND	0.0005	0.0592	ND	ND	ND	ND	7.8900	ND	ND	214.0000	0.4501
48	7424	10/30/2007	ND	ND	0.1652	ND	ND	0.0004	ND	0.0164	ND	ND	ND	ND	7.7600	ND	761.6938	1495.0000	0.0526
49	7425	10/30/2007	ND	ND	0.1258	ND	ND	0.0003	ND	0.0118	ND	ND	ND	ND	7.7600	ND	468.3949	1035.0000	0.0100
50	7426	10/30/2007	ND	ND	0.0181	ND	ND	ND	0.0006	0.0042	ND	ND	ND	ND	7.9900	ND	ND	198.0000	0.0110
51	7427	10/30/2007	ND	ND	0.0301	ND	ND	ND	ND	0.0071	ND	ND	ND	ND	7.9400	ND	65.3649	271.0000	0.0126
52	7428	10/30/2007	ND	ND	0.0157	ND	ND	ND	ND	0.0126	ND	ND	ND	ND	8.0100	ND	ND	200.0000	0.1256
53	7429	10/30/2007	ND	ND	0.0160	ND	ND	ND	0.0005	0.0140	ND	ND	ND	ND	8.0100	ND	ND	204.0000	0.2252
54	7430	10/30/2007	ND	ND	0.0148	ND	ND	ND	0.0007	0.0062	ND	ND	ND	ND	8.0800	ND	ND	246.0000	0.0375
55	7431	10/30/2007	ND	ND	0.0342	ND	ND	ND	0.0007	0.0181	ND	ND	ND	ND	8.0400	ND	103.3043	279.0000	0.0303
56	7432	10/30/2007	ND	ND	0.0112	ND	ND	ND	ND	0.0014	ND	ND	ND	ND	7.9900	ND	ND	213.0000	0.0576
57	7433	10/30/2007	ND	ND	0.0215	ND	ND	ND	0.0007	0.0087	ND	ND	ND	ND	8.0500	ND	60.4317	250.0000	0.0182
58	7434	10/30/2007	ND	ND	0.0143	ND	ND	ND	0.0009	0.0093	ND	ND	ND	ND	8.0900	ND	ND	317.0000	0.0090
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	15	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7376	10/25/2007	ND	0.0386	ND	ND	ND	0.0011	0.0275	ND	ND	14.2383	0.0008	ND	ND	ND	74.2580	305.0000
2	7377	10/25/2007	ND	0.0520	ND	ND	ND	0.0011	0.0133	ND	ND	10.2411	0.0007	ND	ND	ND	39.5168	189.0000
3	7378	10/25/2007	ND	0.0530	ND	ND	ND	0.0012	0.0140	ND	ND	9.2730	ND	ND	ND	ND	ND	167.0000
4	7379	10/25/2007	ND	0.0553	ND	ND	ND	0.0011	0.0157	ND	ND	6.8269	ND	ND	ND	ND	ND	159.0000
5	7380	10/25/2007	ND	0.0602	ND	ND	ND	0.0009	0.0110	ND	ND	6.5409	ND	ND	ND	ND	ND	159.0000
6	7381	10/25/2007	ND	0.0474	ND	ND	ND	0.0011	0.0174	ND	ND	9.9624	0.0009	ND	ND	ND	40.8512	193.0000
7	7382	10/25/2007	ND	0.0611	ND	ND	ND	0.0010	0.0183	ND	ND	7.3740	ND	ND	ND	ND	ND	163.0000
8	7383	10/25/2007	ND	0.0543	ND	ND	ND	0.0011	0.0071	ND	ND	7.7938	ND	ND	ND	ND	ND	162.0000
9	7384	10/25/2007	ND	0.0610	ND	ND	ND	0.0009	0.0141	ND	ND	6.3243	0.0007	ND	ND	ND	ND	156.0000
10	7385	10/25/2007	ND	0.0115	ND	ND	ND	0.0009	0.0074	ND	ND	53.1853	0.0013	10.4707	ND	0.0052	339.8618	722.0000
11	7386	10/25/2007	ND	0.0160	ND	ND	ND	0.0015	0.0066	ND	ND	46.0567	0.0009	16.7266	ND	ND	176.2661	529.0000
12	7388	10/25/2007	0.0029	0.0507	ND	ND	ND	0.0009	0.0040	ND	ND	150.7004	0.0011	ND	ND	ND	207.7156	786.0000
13	7389	10/29/2007	ND	0.0094	ND	ND	ND	0.0017	0.0131	ND	ND	60.7618	0.0027	ND	ND	ND	902.9046	1666.0000
14	7390	10/29/2007	ND	0.0077	ND	ND	ND	0.0012	0.0078	ND	ND	119.3455	0.0023	ND	ND	ND	956.1852	1797.0000
15	7391	10/29/2007	ND	0.0158	ND	ND	ND	0.0006	0.0117	ND	ND	63.8646	0.0013	ND	ND	ND	181.7541	551.0000
16	7392	10/29/2007	ND	0.0101	ND	ND	ND	0.0014	0.0218	ND	ND	57.2602	0.0013	ND	ND	ND	216.6537	728.0000
17	7393	10/29/2007	ND	0.0134	ND	ND	ND	0.0009	0.0290	ND	ND	77.1214	0.0013	ND	ND	ND	343.1616	855.0000
18	7394	10/29/2007	ND	0.0181	ND	ND	ND	0.0010	0.0043	ND	ND	66.3944	0.0007	ND	ND	ND	214.3749	614.0000
19	7395	10/29/2007	ND	0.0064	ND	ND	ND	ND	0.0013	ND	ND	56.2735	0.0007	ND	ND	ND	256.8495	584.0000
20	7396	10/29/2007	ND	0.0178	ND	ND	ND	0.0009	0.0098	ND	ND	25.6809	ND	ND	ND	ND	136.2790	383.0000
21	7397	10/29/2007	ND	0.0150	ND	ND	ND	ND	0.0056	ND	ND	26.9833	ND	ND	ND	ND	144.9673	402.0000
22	7398	10/29/2007	ND	0.0169	ND	ND	ND	0.0011	0.0040	ND	ND	24.7819	ND	ND	ND	ND	122.0369	363.0000
23	7399	10/29/2007	ND	0.0115	ND	ND	ND	0.0006	0.0175	ND	ND	32.2830	0.0018	ND	ND	ND	211.4484	506.0000
24	7400	10/29/2007	ND	0.0283	ND	ND	ND	0.0009	0.0092	ND	ND	20.3977	ND	ND	ND	ND	57.5766	258.0000
25	7401	10/29/2007	ND	0.0089	ND	ND	ND	0.0011	0.0062	ND	ND	62.3041	0.0014	ND	ND	ND	608.3347	1144.0000
26	7402	10/29/2007	ND	0.0092	ND	ND	ND	0.0010	0.0125	ND	ND	53.6967	0.0015	ND	0.0013	ND	528.3207	1015.0000
27	7403	10/29/2007	ND	0.0077	ND	ND	ND	0.0007	0.0067	ND	ND	76.6017	0.0019	ND	ND	ND	732.8650	1414.0000
28	7404	10/29/2007	ND	0.0212	ND	ND	ND	0.0006	0.0106	ND	ND	21.5761	ND	ND	ND	ND	88.4769	305.0000
29	7405	10/29/2007	ND	0.0131	ND	ND	ND	0.0006	0.0084	ND	ND	35.1998	0.0007	ND	ND	ND	229.1914	547.0000
30	7406	10/29/2007	ND	0.0074	ND	ND	ND	0.0009	0.0054	ND	ND	207.5163	0.0025	ND	ND	0.0219	750.0804	1771.0000
31	7407	10/29/2007	ND	0.0077	ND	ND	ND	0.0006	0.0101	ND	ND	101.3669	0.0025	ND	ND	ND	840.0969	1564.0000
32	7408	10/29/2007	ND	0.0065	ND	ND	ND	0.0007	0.0148	ND	ND	171.9609	0.0025	ND	ND	0.0274	1165.3230	2066.0000
33	7409	10/29/2007	ND	0.0388	ND	ND	ND	0.0012	0.0182	ND	ND	32.7972	ND	ND	ND	ND	57.7326	280.0000
34	7410	10/29/2007	ND	0.0090	ND	ND	ND	ND	0.0147	ND	ND	91.3344	0.0025	ND	ND	ND	740.5155	1494.0000
35	7411	10/29/2007	ND	0.0377	ND	ND	ND	0.0014	0.0088	ND	ND	31.7736	ND	ND	ND	ND	48.0893	265.0000
36	7412	10/29/2007	ND	0.0095	ND	ND	ND	ND	0.0295	ND	ND	275.5867	0.0034	ND	ND	0.0189	1414.5060	2727.0000

Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
37	7413	10/29/2007	ND	0.0088	ND	ND	ND	ND	0.0181	ND	ND	169.5707	0.0032	ND	ND	0.0094	640.1294	1704.0000
38	7414	10/29/2007	ND	0.0095	ND	ND	ND	ND	0.0146	ND	ND	293.9238	0.0040	ND	ND	0.0227	1285.7110	2532.0000
39	7415	10/30/2007	ND	0.0081	ND	ND	ND	ND	0.0189	ND	ND	86.3942	0.0023	ND	ND	ND	837.2786	1593.0000
40	7416	11/9/2007	ND	0.0347	ND	ND	ND	0.0006	0.0149	ND	ND	16.6296	0.0031	ND	ND	ND	42.9669	245.0000
41	7417	11/7/2007	ND	0.0415	ND	ND	ND	0.0005	0.0085	ND	ND	19.8259	ND	ND	ND	ND	ND	229.0000
42	7418	11/7/2007	ND	0.0280	ND	ND	ND	0.0008	0.0105	ND	ND	47.7750	ND	ND	ND	ND	87.6214	380.0000
43	7419	11/7/2007	ND	0.0085	ND	ND	ND	ND	0.0208	ND	ND	62.1427	0.0024	ND	ND	ND	373.3937	848.0000
44	7420	11/7/2007	ND	0.0356	ND	ND	ND	0.0007	0.0099	ND	ND	24.8199	ND	ND	ND	ND	ND	233.0000
45	7421	10/30/2007	ND	0.0332	ND	ND	ND	0.0008	0.0046	ND	ND	27.5261	ND	ND	ND	ND	40.6341	245.0000
46	7422	10/30/2007	ND	0.0224	ND	ND	ND	0.0007	0.0121	ND	ND	45.5623	ND	ND	ND	ND	75.8800	344.0000
47	7423	10/30/2007	ND	0.0409	ND	ND	ND	0.0005	0.0592	ND	ND	17.8624	0.0008	ND	ND	ND	ND	214.0000
48	7424	10/30/2007	ND	0.0082	ND	ND	ND	ND	0.0164	ND	ND	84.9801	0.0025	ND	ND	ND	761.6938	1495.0000
49	7425	10/30/2007	ND	0.0077	ND	ND	ND	ND	0.0118	ND	ND	69.0588	0.0018	ND	ND	ND	468.3949	1035.0000
50	7426	10/30/2007	ND	0.0389	ND	ND	ND	0.0006	0.0042	ND	ND	16.4563	ND	ND	ND	ND	ND	198.0000
51	7427	10/30/2007	ND	0.0220	ND	ND	ND	ND	0.0071	ND	ND	16.6049	0.0007	ND	ND	ND	65.3649	271.0000
52	7428	10/30/2007	ND	0.0406	ND	ND	ND	ND	0.0126	ND	ND	15.6297	ND	ND	ND	ND	ND	200.0000
53	7429	10/30/2007	ND	0.0428	ND	ND	ND	0.0005	0.0140	ND	ND	15.2942	0.0008	ND	ND	ND	ND	204.0000
54	7430	10/30/2007	ND	0.0403	ND	ND	ND	0.0007	0.0062	ND	ND	16.3039	ND	ND	ND	ND	ND	246.0000
55	7431	10/30/2007	ND	0.0184	ND	ND	ND	0.0007	0.0181	ND	ND	14.8952	0.0009	ND	ND	ND	103.3043	279.0000
56	7432	10/30/2007	ND	0.0241	ND	ND	ND	ND	0.0014	ND	ND	18.5507	ND	ND	ND	ND	ND	213.0000
57	7433	10/30/2007	ND	0.0239	ND	ND	ND	0.0007	0.0087	ND	ND	16.0833	ND	ND	ND	ND	60.4317	250.0000
58	7434	10/30/2007	ND	0.0412	ND	ND	ND	0.0009	0.0093	ND	ND	16.3298	ND	ND	ND	ND	ND	317.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	3

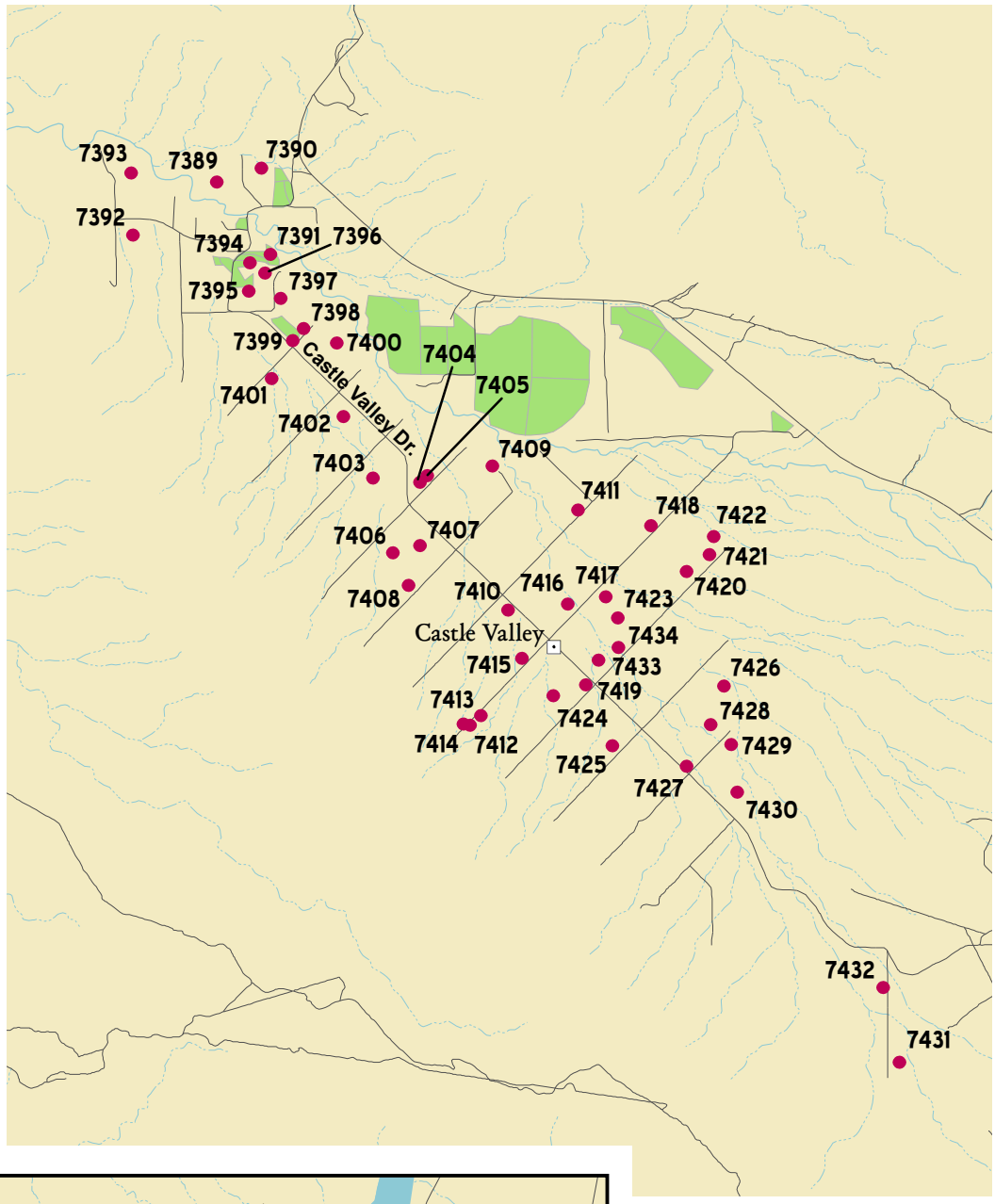
ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7376	10/25/2007	ND	ND	13.5794	0.0275	ND	ND	275.3000	ND	7.5300	5.1022	74.2580	305.0000	0.0080
2	7377	10/25/2007	ND	ND	ND	0.0133	ND	ND	157.9000	ND	7.6300	4.4344	39.5168	189.0000	0.0403
3	7378	10/25/2007	ND	ND	ND	0.0140	ND	ND	152.1000	0.0003	7.8400	4.3528	ND	167.0000	0.0409
4	7379	10/25/2007	ND	ND	ND	0.0157	ND	ND	137.5000	0.0005	7.7200	4.2717	ND	159.0000	0.2597
5	7380	10/25/2007	ND	ND	ND	0.0110	ND	ND	135.5000	0.0017	7.6500	4.2571	ND	159.0000	0.0188
6	7381	10/25/2007	ND	ND	ND	0.0174	ND	ND	163.2000	0.0004	7.6700	4.3573	40.8512	193.0000	0.0483
7	7382	10/25/2007	ND	ND	ND	0.0183	ND	ND	138.1000	0.0004	7.6800	4.3112	ND	163.0000	0.0183
8	7383	10/25/2007	ND	ND	ND	0.0071	ND	ND	136.1000	0.0004	7.8000	4.1992	ND	162.0000	0.0791
9	7384	10/25/2007	ND	ND	ND	0.0141	ND	ND	133.3000	0.0011	7.8000	3.7972	ND	156.0000	0.2490
10	7385	10/25/2007	ND	ND	28.8809	0.0074	ND	ND	531.4000	0.0389	7.6400	6.2407	339.8618	722.0000	0.0757
11	7386	10/25/2007	ND	ND	21.3131	0.0066	ND	ND	400.3000	0.0056	7.5500	6.6168	176.2661	529.0000	0.0464
12	7388	10/25/2007	ND	ND	137.6227	0.0040	ND	ND	425.7000	0.4807	7.7600	9.2937	207.7156	786.0000	0.0179
13	7389	10/29/2007	ND	ND	67.9200	0.0131	ND	ND	1236.5000	0.0022	7.3600	9.9026	902.9046	1666.0000	0.0535
14	7390	10/29/2007	ND	ND	109.0871	0.0078	ND	ND	1325.6000	ND	7.6600	9.5619	956.1852	1797.0000	0.0258
15	7391	10/29/2007	ND	ND	56.7346	0.0117	ND	ND	387.7000	0.0047	7.8800	6.4922	181.7541	551.0000	0.0097
16	7392	10/29/2007	ND	ND	38.5123	0.0218	ND	ND	695.9000	0.0010	8.0000	9.8260	216.6537	728.0000	0.0109
17	7393	10/29/2007	ND	ND	85.0610	0.0290	ND	ND	612.9000	0.0040	7.7600	8.3822	343.1616	855.0000	0.0421
18	7394	10/29/2007	ND	ND	65.2619	0.0043	ND	ND	427.4000	0.0008	7.6700	7.4585	214.3749	614.0000	0.0315
19	7395	10/29/2007	ND	ND	51.7204	0.0013	ND	ND	408.3000	0.0739	7.8200	3.0713	256.8495	584.0000	0.0044
20	7396	10/29/2007	ND	ND	25.1263	0.0098	ND	ND	291.3000	0.0004	7.9700	6.1909	136.2790	383.0000	0.0214
21	7397	10/29/2007	ND	ND	24.2744	0.0056	ND	ND	322.3000	0.0057	7.9500	5.9276	144.9673	402.0000	0.0101
22	7398	10/29/2007	ND	ND	22.1508	0.0040	ND	ND	289.7000	0.0005	7.8300	6.2174	122.0369	363.0000	0.0102
23	7399	10/29/2007	ND	ND	31.7853	0.0175	ND	ND	398.0000	0.0836	7.7200	5.4329	211.4484	506.0000	0.0140
24	7400	10/29/2007	ND	ND	14.7553	0.0092	ND	ND	213.3000	0.0022	8.0500	5.9983	57.5766	258.0000	0.0248
25	7401	10/29/2007	ND	ND	83.8719	0.0062	ND	ND	867.6000	0.0020	7.8800	6.8037	608.3347	1144.0000	0.0318
26	7402	10/29/2007	ND	ND	60.3983	0.0125	ND	ND	782.2000	0.0009	7.8800	6.6819	528.3207	1015.0000	0.3498
27	7403	10/29/2007	ND	ND	86.3660	0.0067	ND	ND	1182.9000	0.0095	7.6900	6.3647	732.8650	1414.0000	0.0263
28	7404	10/29/2007	ND	ND	18.0326	0.0106	ND	ND	240.9000	0.0032	8.0500	5.9319	88.4769	305.0000	0.0429
29	7405	10/29/2007	ND	ND	31.6529	0.0084	ND	ND	444.7000	0.0018	7.9700	6.5689	229.1914	547.0000	0.0152
30	7406	10/29/2007	ND	ND	133.9928	0.0054	ND	0.0110	1671.4000	0.0024	7.6100	7.3538	750.0804	1771.0000	0.0741
31	7407	10/29/2007	ND	ND	103.5028	0.0101	ND	ND	1197.3000	0.0018	7.8000	7.5487	840.0969	1564.0000	0.0831
32	7408	10/29/2007	ND	ND	172.7905	0.0148	ND	ND	1383.8000	0.0022	7.6100	7.1443	1165.3230	2066.0000	0.0453
33	7409	10/29/2007	ND	ND	27.4407	0.0182	ND	ND	214.6000	0.0014	8.0800	7.1358	57.7326	280.0000	0.0223
34	7410	10/29/2007	ND	ND	104.2125	0.0147	ND	ND	1271.6000	0.0170	7.8400	6.7707	740.5155	1494.0000	0.0134
35	7411	10/29/2007	ND	ND	25.3521	0.0088	ND	ND	207.4000	ND	8.0000	7.4016	48.0893	265.0000	0.0231
36	7412	10/29/2007	ND	ND	266.8979	0.0295	ND	ND	1849.9000	0.0021	7.6100	7.8584	1414.5060	2727.0000	0.7170
37	7413	10/29/2007	ND	ND	119.2389	0.0181	ND	ND	1836.1000	0.0004	7.7400	7.7757	640.1294	1704.0000	0.0347
38	7414	10/29/2007	ND	ND	241.8298	0.0146	ND	ND	1697.2000	ND	7.7900	6.9897	1285.7110	2532.0000	0.0978

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
39	7415	10/30/2007	ND	ND	116.2709	0.0189	ND	ND	1215.0000	0.0229	7.6800	6.2688	837.2786	1593.0000	0.0545
40	7416	11/9/2007	ND	ND	14.5348	0.0149	ND	ND	172.4000	0.0009	7.8600	5.6663	42.9669	245.0000	0.2878
41	7417	11/7/2007	ND	ND	13.3075	0.0085	ND	ND	179.9000	0.0012	7.8900	6.3262	ND	229.0000	0.0048
42	7418	11/7/2007	ND	ND	38.4314	0.0105	ND	ND	282.1000	0.0007	7.8900	8.4206	87.6214	380.0000	0.0207
43	7419	11/7/2007	ND	ND	45.1070	0.0208	ND	ND	739.2000	0.0197	7.7400	6.6767	373.3937	848.0000	0.0820
44	7420	11/7/2007	ND	ND	17.3218	0.0099	ND	ND	176.7000	0.0006	7.9600	6.9668	ND	233.0000	0.0045
45	7421	10/30/2007	ND	ND	22.0485	0.0046	ND	ND	172.8000	0.0015	7.9400	7.0127	40.6341	245.0000	0.0078
46	7422	10/30/2007	ND	ND	34.4371	0.0121	ND	ND	242.3000	0.0011	7.9400	7.7679	75.8800	344.0000	0.0425
47	7423	10/30/2007	ND	ND	12.4511	0.0592	ND	ND	166.1000	0.0028	7.8900	5.9541	ND	214.0000	0.4501
48	7424	10/30/2007	ND	ND	92.0237	0.0164	ND	ND	1228.8000	0.0039	7.7600	6.4372	761.6938	1495.0000	0.0526
49	7425	10/30/2007	ND	ND	69.5339	0.0118	ND	ND	914.9000	0.0037	7.7600	6.4702	468.3949	1035.0000	0.0100
50	7426	10/30/2007	ND	ND	12.7957	0.0042	ND	ND	141.1000	0.0049	7.9900	5.6371	ND	198.0000	0.0110
51	7427	10/30/2007	ND	ND	12.1015	0.0071	ND	ND	218.1000	0.0054	7.9400	5.9288	65.3649	271.0000	0.0126
52	7428	10/30/2007	ND	ND	ND	0.0126	ND	ND	155.5000	0.0016	8.0100	5.6522	ND	200.0000	0.1256
53	7429	10/30/2007	ND	ND	12.7086	0.0140	ND	ND	152.8000	0.0011	8.0100	5.5087	ND	204.0000	0.2252
54	7430	10/30/2007	ND	ND	ND	0.0062	ND	ND	274.8000	0.0003	8.0800	5.9341	ND	246.0000	0.0375
55	7431	10/30/2007	ND	ND	11.0153	0.0181	ND	ND	139.5000	0.0025	8.0400	2.9744	103.3043	279.0000	0.0303
56	7432	10/30/2007	ND	ND	ND	0.0014	ND	ND	213.5000	0.1009	7.9900	5.9350	ND	213.0000	0.0576
57	7433	10/30/2007	ND	ND	13.9655	0.0087	ND	ND	170.3000	0.0012	8.0500	5.8127	60.4317	250.0000	0.0182
58	7434	10/30/2007	ND	ND	11.8350	0.0093	ND	ND	446.0000	0.0008	8.0900	2.6321	ND	317.0000	0.0090
Test Count that Exceeded Standard:			0	0	1	0	0	0	58	4	0	0	19	49	0

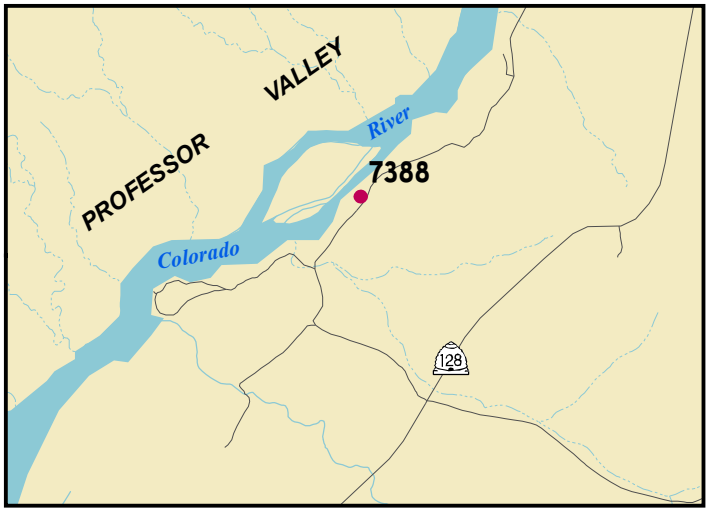
ND - Not Detected

Map 42. Grand District - Castle Valley Area



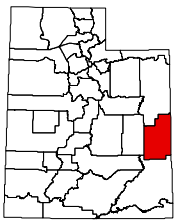
Map Scale 1:44,352
(1 inch = 0.7 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

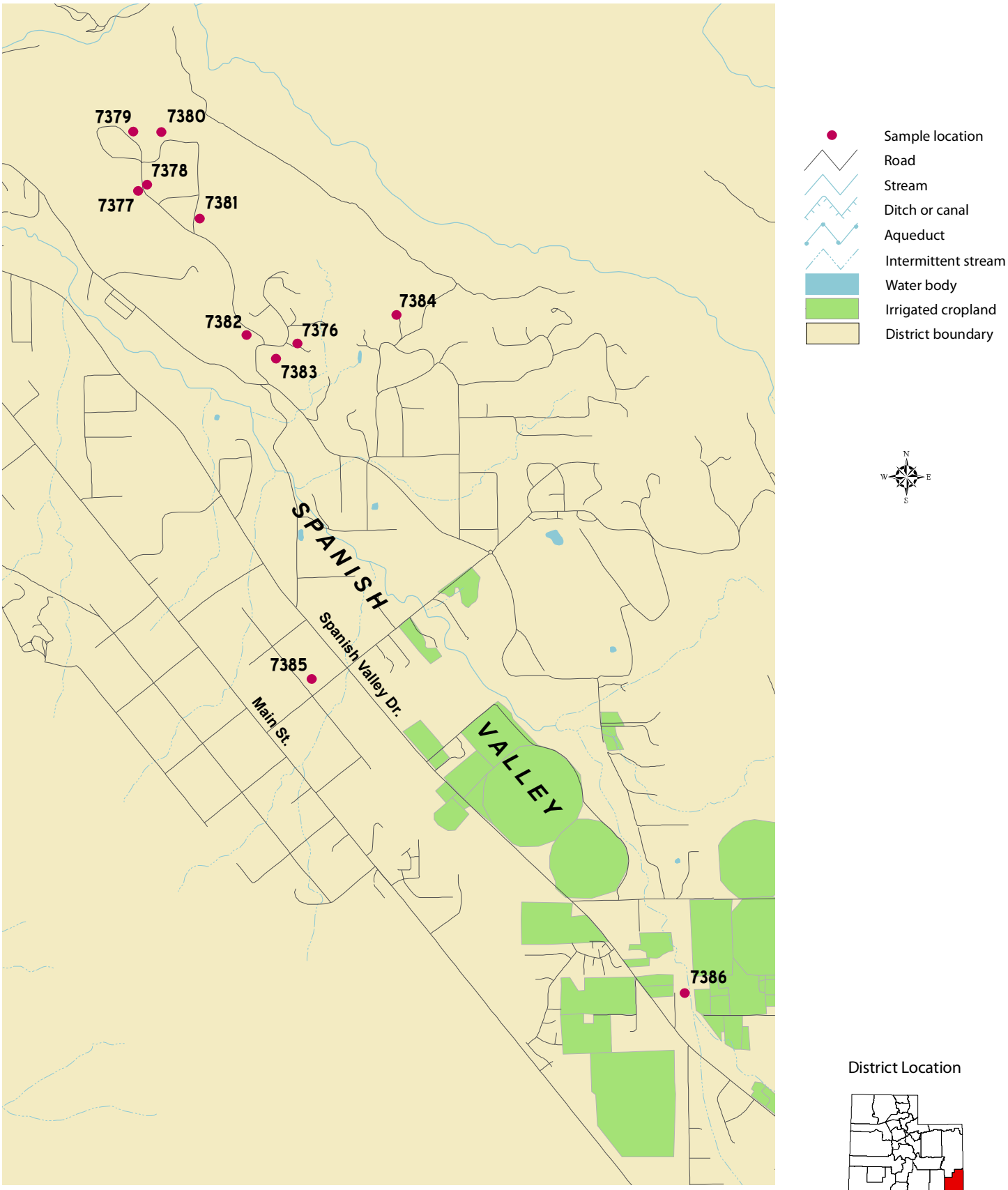


Map Scale 1:38,016 (1 inch = 0.6 miles)

District Location

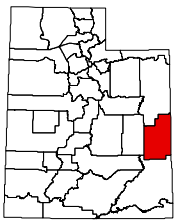


Map 43. Grand District - Spanish Valley Area



Map Scale 1:28,512 (1 inch = 0.45 miles)

District Location



Price River District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7313	9/18/2007	ND	ND	45.3 F (7.4 C)	611	226.0	0.300	214.5	Well	Clean	Soil	Steel	Sealed	✔	✔					
2	7373	10/23/2007	POS	ND	53.1 F (11.7 C)	1329	894.0	2.700	563.7	Spring	Surface Water	Soil	PVC	Sealed	✔	✔					
3	7374	10/23/2007	POS	ND	54.7 F (12.6 C)	1280	843.0	2.500	575.6	Spring	Livestock	Covered	Concrete	Sealed	✔	✔					
4	7375	10/23/2007	POS	ND	53.4 F (11.9 C)	1327	893.0	2.400	609.5	Spring	Livestock	Natural	PVC	Open		✔					
Bacteria Positive Sample Count			3	0	ND - Not Detected																

Irrigation:

Irrigation Standards

	Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
			5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7313	9/20/2007	ND	0.0273	ND	43.1313	ND	0.0003	ND	0.0014	0.0094	ND	ND	254.0230	1.2647	0.0091	25.9030
2	7373	10/25/2007	ND	0.1737	ND	64.3251	33.3583	ND	ND	0.0019	0.0116	ND	ND	497.8060	2.7194	0.0070	97.7990
3	7374	10/25/2007	ND	0.1423	ND	64.4170	51.9066	ND	ND	0.0018	0.0065	ND	ND	439.0210	2.8064	0.0058	100.6133
4	7375	10/25/2007	ND	0.1401	ND	70.1616	49.4911	ND	ND	0.0017	0.0132	ND	ND	440.8810	2.8334	0.0064	105.3723
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	4	0	0	0

ND - Not Detected

Irrigation Standards Continues

	Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
			.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7313	9/20/2007	0.0667	0.0034	8.6200	0.0014	ND	ND	0.3000	ND	226.0000	ND	0.4478
2	7373	10/25/2007	0.0011	0.0011	145.4722	0.0014	ND	ND	2.7000	0.0044	894.0000	0.0020	0.0269
3	7374	10/25/2007	ND	0.0011	135.8689	0.0013	ND	ND	2.5000	ND	843.0000	0.0019	0.0065
4	7375	10/25/2007	0.0003	0.0010	135.4019	0.0072	ND	ND	2.4000	0.0068	893.0000	ND	0.0089
Test Count that Exceeded Standard:			0	0	3	0	0	0	0	0	4	0	0

ND - Not Detected

Livestock:

Livestock Standards			5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
	Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7313	9/20/2007	ND	ND	0.0273	ND	ND	0.0003	0.0014	0.0094	ND	ND	ND	ND	7.7600	ND	ND	226.0000	0.4478
2	7373	10/25/2007	ND	ND	0.1737	ND	ND	ND	0.0019	0.0116	ND	ND	ND	ND	7.5800	0.0044	286.8240	894.0000	0.0269
3	7374	10/25/2007	ND	ND	0.1423	ND	ND	ND	0.0018	0.0065	ND	ND	ND	ND	7.7200	ND	252.6766	843.0000	0.0065
4	7375	10/25/2007	ND	ND	0.1401	ND	ND	ND	0.0017	0.0132	ND	ND	11.0677	ND	7.5800	0.0068	291.8065	893.0000	0.0089
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0

ND - Not Detected

Culinary:

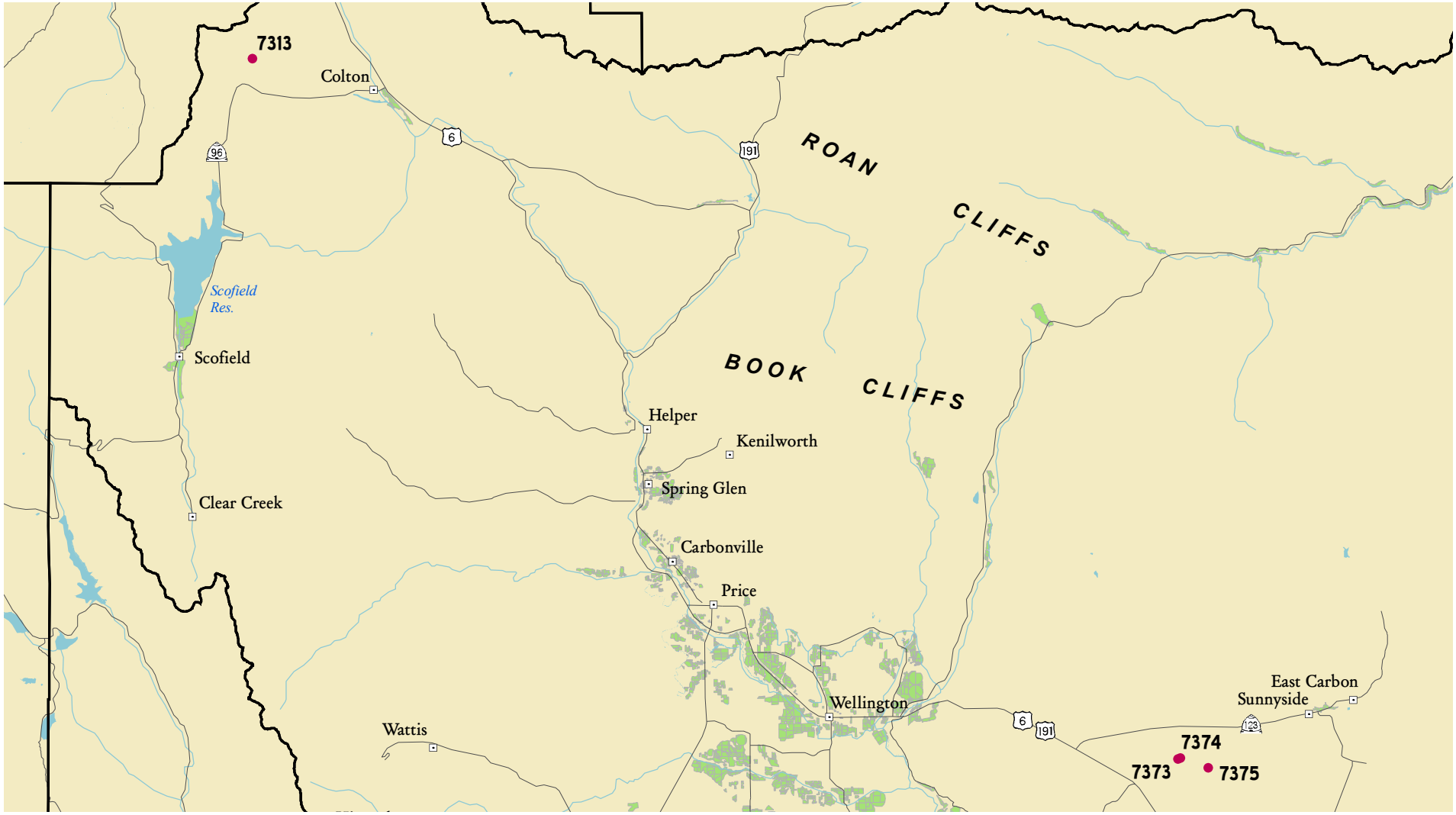
Drinking Water Primary Standards			0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
	Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
1	7313	9/20/2007	ND	0.1720	ND	ND	ND	0.0014	0.0094	ND	ND	8.6200	0.0014	ND	ND	ND	ND	226.0000
2	7373	10/25/2007	ND	0.0127	ND	ND	ND	0.0019	0.0116	ND	ND	145.4722	0.0014	ND	ND	0.0044	286.8240	894.0000
3	7374	10/25/2007	ND	0.0145	ND	ND	ND	0.0018	0.0065	ND	ND	135.8689	0.0013	ND	ND	ND	252.6766	843.0000
4	7375	10/25/2007	ND	0.0229	ND	ND	ND	0.0017	0.0132	ND	ND	135.4019	0.0072	11.0677	ND	0.0068	291.8065	893.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Drinking Water Secondary Standards:			0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
	Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
1	7313	9/20/2007	ND	ND	ND	0.0094	ND	ND	214.5000	0.0667	7.7600	2.5085	ND	226.0000	0.4478
2	7373	10/25/2007	ND	ND	33.3583	0.0116	ND	ND	563.7000	0.0011	7.5800	9.2831	286.8240	894.0000	0.0269
3	7374	10/25/2007	ND	ND	51.9066	0.0065	ND	ND	575.6000	ND	7.7200	9.0917	252.6766	843.0000	0.0065
4	7375	10/25/2007	ND	ND	49.4911	0.0132	ND	ND	609.5000	0.0003	7.5800	9.4745	291.8065	893.0000	0.0089
Test Count that Exceeded Standard:			0	0	0	0	0	0	4	1	0	0	3	4	0

ND - Not Detected

Map 44. Price River District



Map Scale 1:325,000 (1 inch = 5.1 miles)

District Location

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

San Juan District

General:

General Sample Information

	Sample No	Collected Date	Coliform	Ecoli	Temperature	EC	TDS mg/L	SAR meq/L	Hardness mg/L	Sample Site	Site Condition	Well Head	Material	Casing Condition	Culli-nary	Irriga-tion	Indust-rial	Lands-cape	Natural	Drai-nage	Other
1	7387	10/23/2007	ND	ND	52.9 F (11.6 C)	535	310.0	0.400	267.3	Well	Clean	Soil	Steel	Sealed	✔	✔					
Bacteria Positive Sample Count			0	0	ND - Not Detected																

Irrigation:

Irrigation Standards

Sample No	Tested Date	Al mg/L	B mg/L	Be mg/L	Ca mg/L	Cl mg/L	Co mg/L	CO3 mg/L	Cr mg/L	Cu mg/L	F mg/L	Fe mg/L	HCO3 mg/L	K mg/L	Li mg/L	Mg mg/L
		5	0.5;1.0;2.0;	.1	100000	71;355	1	1000	1	0.2	2	5	73.2;152.5	10000	2.5	100000
1	7387	10/25/2007	ND	0.0191	ND	76.2913	ND	ND	ND	0.0008	0.0029	ND	0.0221	217.8190	1.7205	0.0087	18.5943
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

ND - Not Detected

Irrigation Standards Continues

Sample No	Tested Date	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	Pb mg/L	PO4 mg/L	SAR meq/L	Se mg/L	TDS mg/L	V mg/L	Zn mg/L
		.2	.01	70;230	.2	5	10000	3;9	.02	151;451;13	.1	2
1	7387	10/25/2007	0.0140	0.0016	16.2396	0.0009	ND	ND	0.4000	ND	310.0000	ND	0.0111
Test Count that Exceeded Standard:			0	0	0	0	0	0	0	0	1	0	0

ND - Not Detected

Livestock:

Livestock Standards

Sample No	Tested Date	Al mg/L	As mg/L	B mg/L	Be mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	NO3 mg/L	Pb mg/L	pH -	Se mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
		5	0.2	5	.1	0.05	1	1	.5	2	10	440	.1	5.5-8.3	.05	167;333	1000;3000;	25
1	7387	10/25/2007	ND	ND	0.0191	ND	ND	ND	0.0008	0.0029	ND	ND	ND	ND	7.6800	ND	75.9246	310.0000	0.0111
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ND - Not Detected

Culinary:

Drinking Water Primary Standards

Sample No	Tested Date	As mg/L	Ba mg/L	Be mg/L	Cd mg/L	ClO4 ug/L	Cr mg/L	Cu mg/L	F mg/L	Hg ug/L	Na mg/L	Ni mg/L	NO3 mg/L	Pb mg/L	Se mg/L	SO4 mg/L	TDS mg/L
		0.01	2	0.004	0.005	25	0.1	1.3	4	2	10000	1000	44.3	.015	.05	500	2000
1	7387	10/25/2007	ND	0.0175	ND	ND	ND	0.0008	0.0029	ND	ND	16.2396	0.0009	ND	ND	ND	75.9246	310.0000
Test Count that Exceeded Standard			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

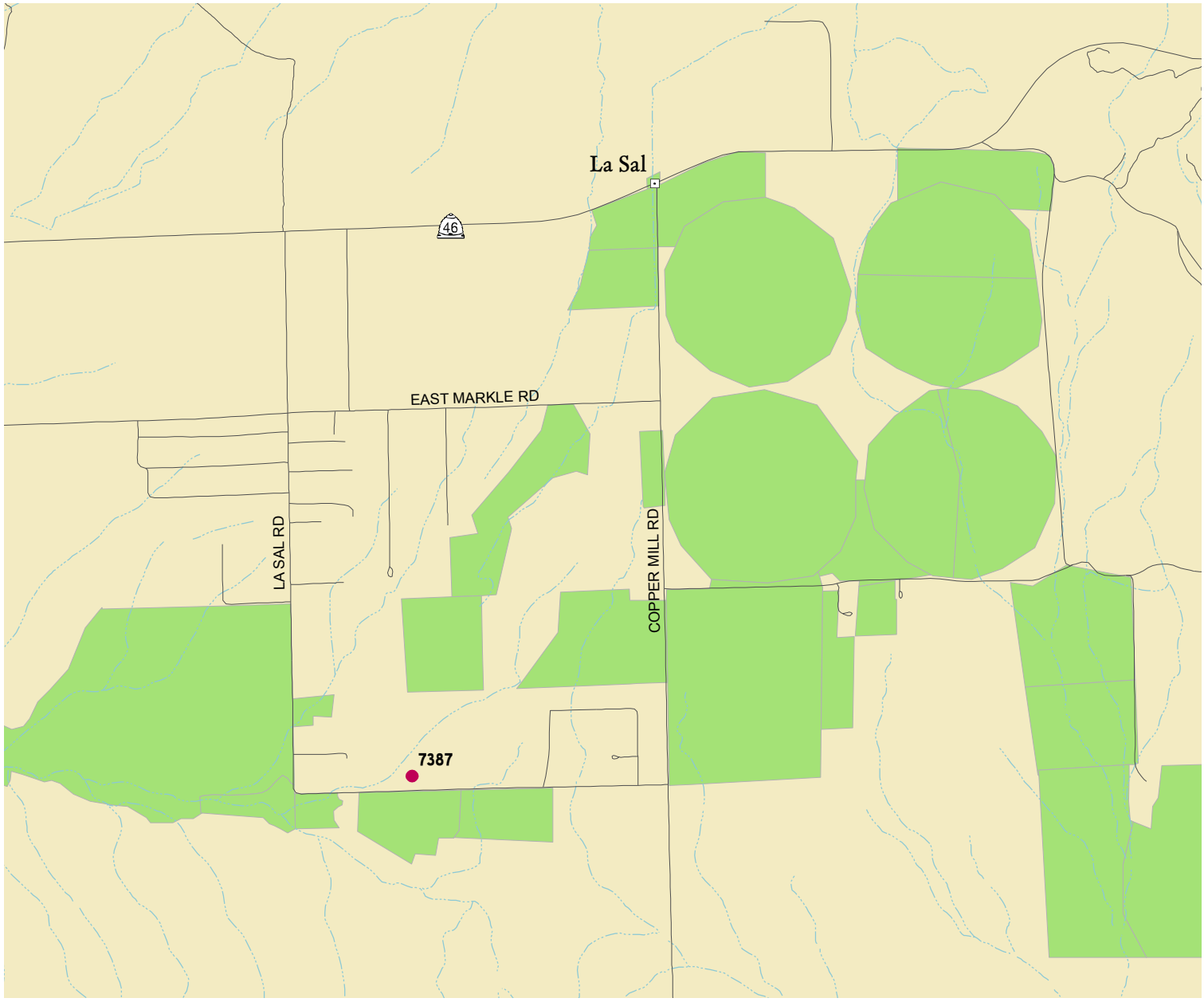
ND - Not Detected

Drinking Water Secondary Standards:

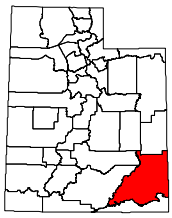
Sample No	Tested Date	Ag mg/L	Al mg/L	Cl mg/L	Cu mg/L	F mg/L	Fe mg/L	Hardness	Mn mg/L	pH -	Si mg/L	SO4 mg/L	TDS mg/L	Zn mg/L
		0.1	0.5	250	1	2	0.3	60;120;180	.05	6.5-8.5	1000	250	200	5
1	7387	10/25/2007	ND	ND	ND	0.0029	ND	0.0221	267.3000	0.0140	7.6800	5.4681	75.9246	310.0000	0.0111
Test Count that Exceeded Standard:			0	0	0	0	0	0	1	0	0	0	0	1	0

ND - Not Detected

Map 45. San Juan District



Map Scale 1:26,000 (1 inch = 0.41 miles)

Sample location
Road
Stream
Ditch or canal
Aqueduct
Intermittent stream
Water body
Irrigated cropland
District boundary

District Location