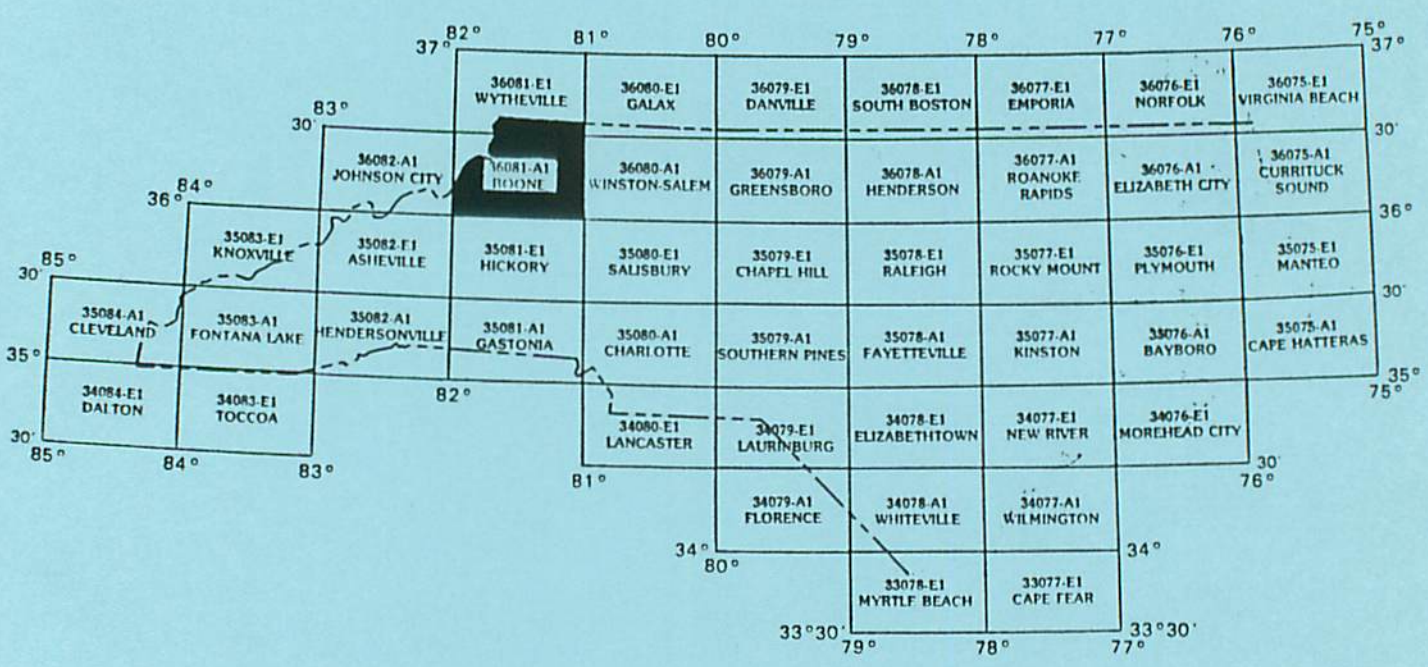
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Wytheville and Boone 30 x 60 - Minute Quadrangle -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-9

State of North Carolina
James B. Hunt, Jr., Governor

Department of Environment, Health and Natural Resources
Jonathan B. Howes, Secretary
Division of Land Resources
Charles H. Gardner,
Director and State Geologist

July, 1993

GEOLOGICAL SURVEY SECTION

The Geological Survey Section examines, surveys and maps the geology, mineral resources, and topography of the State to encourage the wise conservation and use of these resources by industry, commerce, agriculture and government agencies for the general welfare of the citizens of North Carolina.

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Jeffrey C. Reid
Chief Geologist

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INTRODUCTION

This report is a compilation of geochemical data for stream sediment and groundwater for the Wytheville and Boone 30 x 60 - minute quadrangle (Figure 1). Maps and tables were prepared from statewide data obtained by the Savannah River Laboratory under sponsorship of the U.S. Dept. of Energy in its National Uranium Resources Evaluation (NURE) program (Sargent and others, 1982). Sampling and analysis were performed during the period 1976 - 1980.

Because of the large size of the database, the North Carolina Geological Survey is presenting the database in both statewide and 30 x 60 - minute quadrangle formats. Statewide formats currently available include atlases of stream sediment and hydrogeochemical data which contain maps showing quartile distribution of concentrations of variables (Reid, 1991; Reid, 1993). Reid and Carpenter (1993a, 1993b) present listings of concentrations of variables which equal or exceed the 90th percentile (and pH and conductivity below the 10th percentile) for stream sediment and groundwater-stream water.

This open-file report is part of a series of reports that present sample-location maps and listings of analyses of all variables in all of the 30 x 60 - minute quadrangles that comprise the state of North Carolina. Subsequent reports will review the NURE data for individual 30 x 60 - minute quadrangles. These reviews will contain the following: 1) maps showing concentrations of all the variables in up to eight class intervals; 2) geologic review of the quadrangle and discussion of relationship of geochemical variables to rock units and structural features; 3) review of mineral resources and discussion of relationship of geochemical variables to mineral occurrences; and 4) discussion of outliers that may relate to anthropogenic contamination.

In this report, site-location maps use state boundaries, county boundaries and 7-1/2 - minute quadrangle boundaries as references to site-locations. The North Carolina Index to Topographic and Other Map Coverage, prepared by the U.S. Geological Survey, is a useful reference document. The List of Publications of the North Carolina Geological Survey indicates areas within the state for which some geologic and geophysical maps, and reports, are available.

Listings in this report are in the same basic format as those presented in microfiche by Sargent

and others (1982). Column 1 lists the laboratory numbers applied to each analyzed sample. Column 2 lists site identification codes. The first two characters are the codes for the county name. The next three digits are sample numbers. They are listed sequentially for each county in the order they were collected. The next two columns list the latitude and longitude of the sampling sites in decimal degree format. The remaining columns are data columns and analyses are given in parts per million (stream sediment) and parts per billion (groundwater). In these columns, a minus (-) sign indicates that a value is below the detection limit. If background is high, and an accurate estimate of minimum detection limit could not be made, a period (.) indicates that the element was not detected and that the detection limit is unusually high. Missing data are denoted by the letter "M". For gold, analyses are listed only for those samples in which gold was detected. For arsenic, a value of 0 is assigned for samples in which arsenic was analyzed, but not detected.

For stream sediment, two listings are presented. The first listing is for elements analyzed by neutron activation as well as field measurements for pH and conductivity of stream water. Variables included in this listing are pH, conductivity, uranium (U), thorium (Th), hafnium (Hf), cerium (Ce), iron (Fe), manganese (Mn), sodium (Na), scandium (Sc), titanium (Ti), vanadium (V), aluminum (Al), dysprosium (Dy), europium (Eu), lanthanum (La), samarium (Sm), ytterbium (Yb), and lutetium (Lu). The second listing is for supplemental elements analyzed by a variety of techniques. These include extractable uranium (Ux), silver (Ag), arsenic (As), barium (Ba), beryllium (Be), calcium (Ca), cobalt (Co), chromium (Cr), copper (Cu), potassium (K), lithium (Li), magnesium (Mg), molybdenum (Mo), niobium (Nb), nickel (Ni), phosphorous (P), lead (Pb), selenium (Se), tin (Sn), strontium (Sr), tungsten (W), yttrium (Y), and zinc (Zn). Stream sediment analyses are for the minus 100 mesh fraction (< 149 microns) unless otherwise noted.

Groundwater, normally samples of water from wells, was also analyzed by neutron activation. Field measurements were made of pH and conductivity. Variables included in listings of groundwater analyses include pH, conductivity, uranium (U), bromine (Br), chlorine (Cl), fluorine (F), magnesium (Mg), manganese (Mn), sodium (Na), vanadium (V), uranium/conductivity, aluminum (Al), and dysprosium (Dy). Stream water was also analyzed for these variables at 295 sites in North Carolina. Listings for stream water are included for areas in which these sites are located.

Although the data was acquired with considerable attention to quality control, some errors exist. These include uncertainties of sample locations due to the use of county road maps as base maps for field use and digitizing sampling sites. Malfunction of field equipment used in measurement of pH and conductivity has also been recognized in some areas. Some of the analyses are also in error. Some of these errors are apparent when concentrations show systematic "breaks" at county boundaries. This suggests that conditions of analysis for different batches of samples were not uniform. In general, analyses of stream sediment by neutron activation are more reliable than analyses of sediment by other supplemental methods.

For a number of counties, supplemental analyses were not made. Thus elements of interest for mineral exploration and environmental geochemistry are lacking for large areas.

REFERENCES

Reid, Jeffrey C., 1991 (revised 1993), A geochemical atlas of North Carolina: North Carolina Geological Survey, Bulletin 93, text plus 45 plates.

Reid, Jeffrey C., 1993, A hydrogeochemical atlas of North Carolina: North Carolina Geological Survey, Bulletin 94, text plus 26 plates.

Reid, Jeffrey C., and Carpenter, Robert H.,1993a, Listings of concentrations (stream sediments) of variables which equal or exceed the 90th percentile, and pH and conductivity below the 10th percentile in the North Carolina portion of the NURE database: North Carolina Geological Survey, Open-File Report 93-1, introductory text plus 178 pages of data.

Reid, Jeffrey C., and Carpenter, Robert H., 1993b, Listing of concentrations (groundwater and stream water) of variables which equal or exceed the 90th percentile, and pH and conductivity below the 10th percentile in the North Carolina portion of the NURE data base: North Carolina Geological Survey, Open-File Report 93-2, introductory text plus 162 pages of data.

Sargent, K.A., Cook, J.R., and Fay, W.M., 1982, Data report: North and South Carolina, National Uranium Resource Evaluation Program, Hydrochemical and stream sediment reconnaissance: E.I. du Pont de Nemours & Co., Savannah River Laboratory, Aiken, S.C., under contract to the U.S. Dept of Energy, contract DE-AC09-76SR000001 (DPST-81-146-22; GBJX-102), 45 p. plus microfiche.

CONTENTS

COUNTY CODES

Code	County
AE	Alexander
AG	Alleghany
AS	Ashe
AV	Avery
CL	Caldwell
WL	Wilkes
WT	Watauga

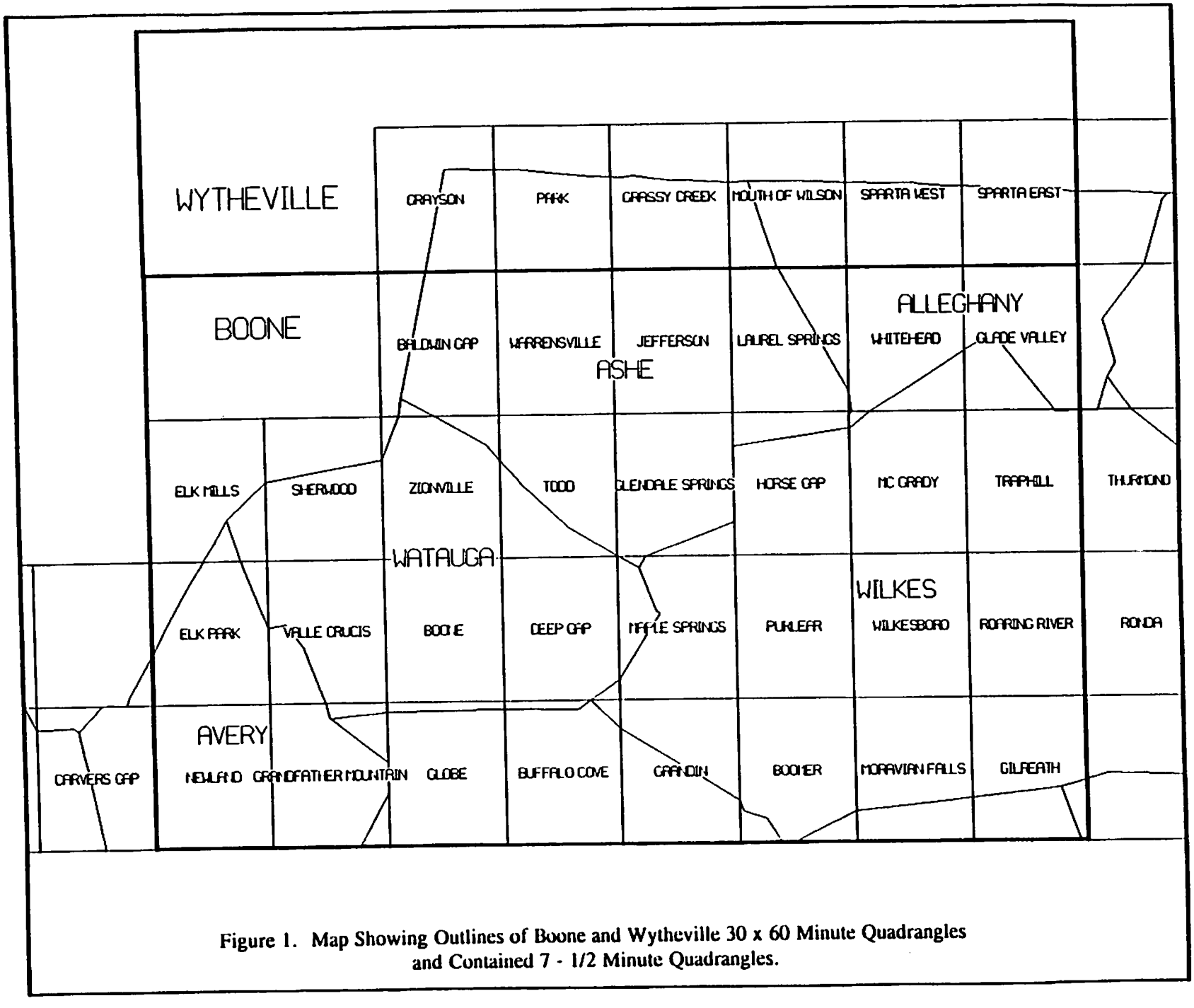


Figure 1. Map Showing Outlines of Boone and Wytheville 30 x 60 Minute Quadrangles and Contained 7 - 1/2 Minute Quadrangles.

Figure 2. Stream Sediment Sites - Boone and Wytheville 30 x 60 Minute Quadrangles

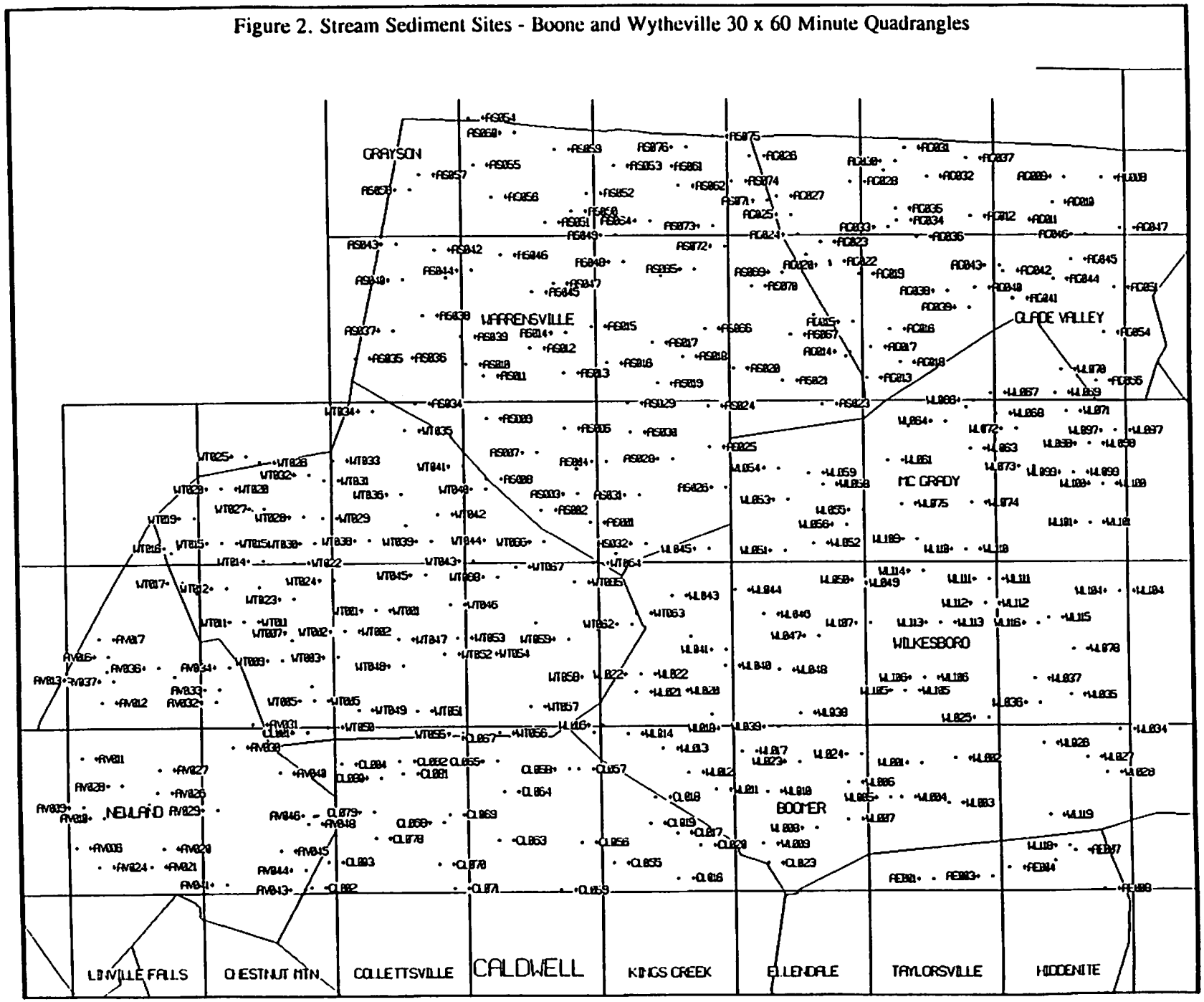
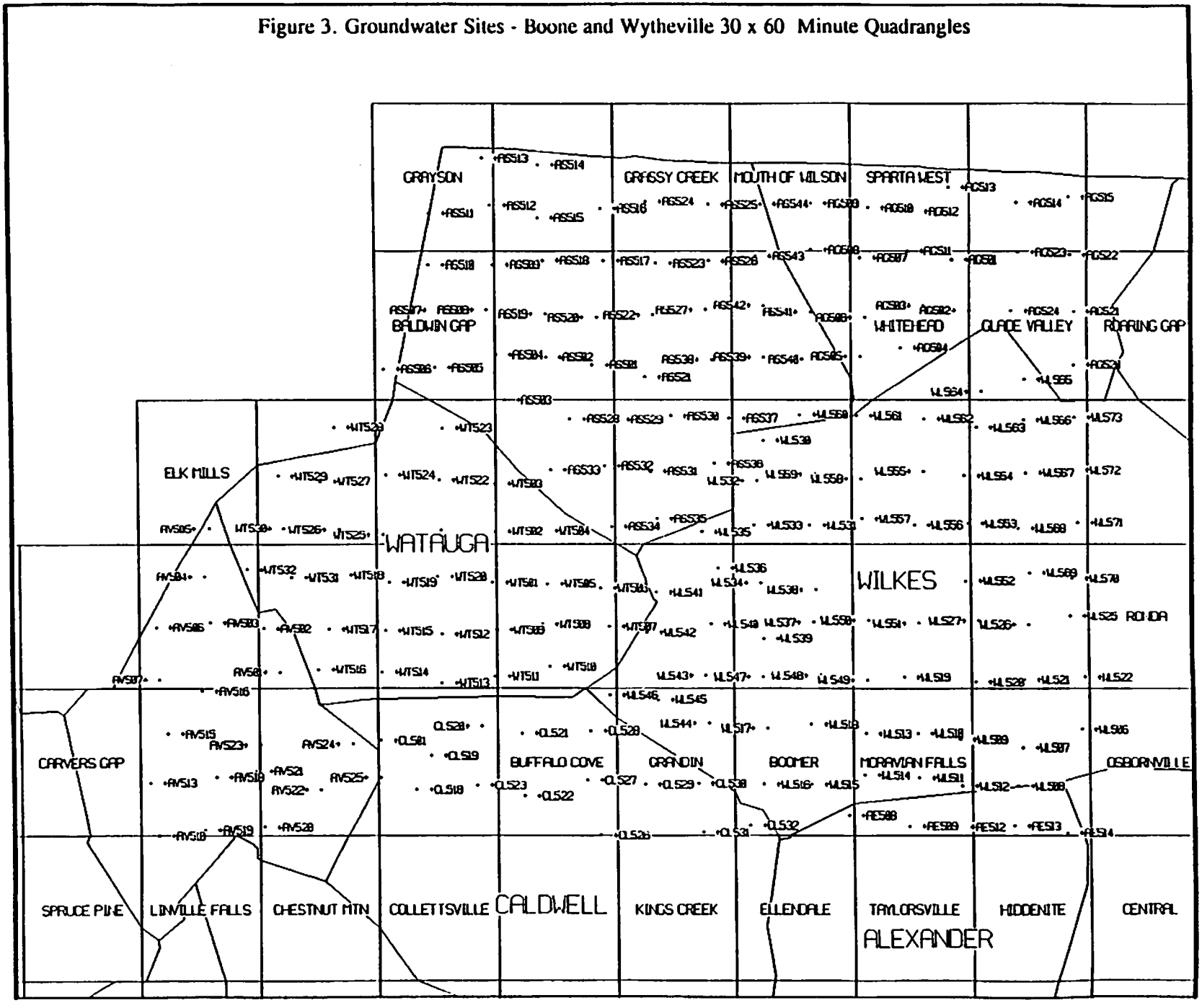


Figure 3. Groundwater Sites - Boone and Wytheville 30 x 60 Minute Quadrangles



BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
1	AE001	36.0090	81.1895	8.7	46	3.9	22	8	53400	101	28100	440	3400	3.5	M	50	2.3	1.5	M	M	M	M	
3	AE003	36.0109	81.1338	7.8	30	6.6	47	22	33100	195	18600	430	5600	3.3	3300	40	3	2.6	M	M	M	M	
4	AE004	36.0175	81.1177	8.0	32	11.1	48	44	39900	152	15900	410	4900	3.1	4700	30	2.2	0.9	M	M	M	M	
6	AE006	36.0230	81.0740	7.8	30	59.0	231	80	45200	945	31400	2340	6400	4.3	29600	50	21	2.7	M	M	M	M	
7	AE007	36.0305	81.0547	7.8	27	4.9	29	10	47400	126	26700	450	5300	3.2	4300	50	3.1	2.1	M	M	M	M	
8	AE008	36.0010	81.0269	7.4	40	3.3	4	8	66900	22	13500	430	15700	6.7	1400	60	1.1	-1	M	M	M	M	
27	AE027	36.0085	81.2155	7.7	31	11.8	68	89	31300	294	27100	100	4500	2.7	2100	20	6.6	5.9	150	68	9.1	0.7	
72	AG013	36.3923	81.2458	7.5	19	2.7	16	52	42000	56	92100	2000	10400	5.9	29200	200	2.2	2.3	M	M	M	M	
73	AG014	36.4123	81.2618	7.5	29	2.3	-3	31	44000	-20	50100	960	8800	5.6	3900	130	2.4	2.4	M	M	M	M	
74	AG015	36.4344	81.2584	7.4	21	3.0	-3	32	57800	-20	20200	490	9100	5.0	5100	60	1.7	2.1	M	M	M	-0.6	
75	AG016	36.4292	81.2237	7.4	24	3.0	-1	36	48900	-20	44300	1600	11700	9.8	23100	200	1.5	0.8	M	M	M	-0.3	
76	AG017	36.4155	81.2415	7.4	26	2.6	-1	15	68600	24	17300	730	8900	6.2	5900	60	4.4	1.7	M	M	M	-0.6	
77	AG018	36.4041	81.2144	7.4	21	3.1	-1	23	51200	-20	12000	2250	14700	5.3	41100	300	2.2	0.3	M	M	M	-0.3	
78	AG019	36.4708	81.2521	7.3	19	1.7	5	15	40500	49	28000	3340	44100	5.6	3200	60	M	0.9	M	M	M	-0.7	
79	AG020	36.4775	81.2785	7.1	23	2.0	13	14	43800	-20	31700	3130	43900	10.8	3000	30	5.8	1.3	M	83	12.9	-0.2	
80	AG021	36.4855	81.3017	7.0	23	2.4	9	19	16900	31	23900	1140	19500	5.5	5500	20	0.7	1.9	M	M	M	-0.7	
81	AG022	36.4801	81.2793	7.2	20	2.0	-4	18	47400	-20	28700	490	8100	5.9	3100	80	2.2	0.6	M	M	M	M	
82	AG023	36.4947	81.2881	7.2	21	2.9	9	33	41900	98	33000	610	8600	5.2	7100	70	2	1.6	M	M	M	M	
95	AG036	36.4986	81.1982	7.6	26	1.8	-3	29	31700	-20	29200	330	M	5.7	8200	M	2.5	0.8	M	M	M	M	
97	AG038	36.4580	81.1687	7.5	23	1.6	5	13	36100	46	36300	720	9500	5.9	M	M	1.9	-1	M	M	M	M	
98	AG039	36.4456	81.1486	7.2	17	2.5	-7	40	37800	-26	79000	910	M	6.5	12600	M	2.8	3	M	M	M	M	
99	AG040	36.4604	81.1427	7.2	20	2.2	-4	30	35400	-20	57600	1040	M	6.8	13200	M	2.2	0.6	M	M	M	M	
100	AG041	36.4522	81.1076	7.0	20	1.9	5	14	31000	58	42900	720	5000	5.6	8400	M	1.9	1	M	M	M	M	
101	AG042	36.4728	81.1161	7.2	20	2.1	-2	21	40800	32	32700	1260	8500	8.9	18300	80	2.1	0.7	M	M	M	-0.7	
102	AG043	36.4771	81.1199	7.0	20	4.1	-3	58	37000	-20	85300	3340	11000	9.9	56200	170	M	2.7	M	M	M	-1.3	
103	AG044	36.4668	81.0694	7.0	29	3.0	-2	41	38600	22	50400	1890	8300	10.6	34800	190	M	-1	M	M	M	-0.7	
104	AG045	36.4814	81.0519	7.0	22	3.3	-6	55	48500	116	79200	840	M	7.7	M	370	M	1.7	M	M	M	M	
110	AG051	36.4604	81.0106	7.0	15	1.5	-3	8	28600	29	34800	570	M	4.0	17100	220	1.1	-1	M	M	M	M	
113	AG054	36.4263	81.0207	5.9	15	1.3	-4	7	18300	-20	24700	510	M	3.6	10100	140	1.5	-1	M	M	M	M	
115	AG056	36.3898	81.0287	6.2	20	4.5	15	15	13900	91	80800	2310	M	3.4	20600	190	3.4	2.2	M	M	M	M	
250	AS001	36.2817	81.5070	8.8	22	2.9	9	9	25300	65	26200	20	3200	3.7	3700	30	2.4	1.1	M	M	M	M	
251	AS002	36.2914	81.5531	7.6	32	1.9	-2	27	19300	-20	67700	M	900	20.8	700	M	M	0.5	M	M	M	M	
252	AS003	36.3037	81.5186	7.6	18	2.3	-4	28	30200	41	27900	770	3300	5.0	7900	10	3.1	-1	M	M	M	M	
253	AS004	36.3286	81.4913	7.5	16	2.3	4	21	24300	23	28900	160	2800	4.7	900	20	2.3	-1	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
254	AS005	36.3227	81.5195	7.3	39	6.6	28	50	37800	173	70400	M	500	13.6	2600	M	6.5	2.6	M	M	M	M	
255	AS006	36.3543	81.5301	7.3	38	2.9	12	11	40900	-20	72000	890	2900	16.9	12400	20	2.2	1.4	M	M	M	M	
256	AS007	36.3360	81.5561	7.3	34	1.1	-4	3	39400	-20	86000	M	500	17.9	8800	480	2	-1	M	M	M	M	
257	AS008	36.3153	81.6040	7.2	44	2.2	5	19	43600	-20	72300	850	3200	18.0	1900	500	3.2	0.8	M	M	M	M	
258	AS009	36.3619	81.6035	7.4	19	2.7	-3	20	28500	-20	72700	480	8800	14.6	8100	530	3.8	2.1	M	M	M	M	
259	AS010	36.4035	81.6220	7.2	20	0.9	-2	M	32700	69	75600	700	M	49.9	3200	600	2.2	-1	M	M	M	-1.7	
260	AS011	36.3948	81.6053	7.1	40	1.3	-4	9	46400	-20	81200	340	6500	18.8	5800	520	1.9	1.2	M	M	M	M	
261	AS012	36.4155	81.5615	7.3	32	1.4	-2	5	45700	-20	81400	M	2500	20.8	5200	520	2.8	-1	M	M	M	M	
262	AS013	36.3968	81.5301	7.2	39	3.1	9	28	45500	56	66600	830	1500	14.9	4700	M	4.3	1.5	M	M	M	M	
263	AS014	36.4270	81.5281	7.2	35	1.4	6	13	42200	-20	74900	800	4900	18.8	4800	M	2.7	0.3	M	M	M	M	
264	AS015	36.4319	81.5039	7.6	83	1.5	-4	7	43100	32	99000	1250	M	21.9	3800	560	3.4	2.5	M	M	M	M	
265	AS016	36.4041	81.4896	7.3	105	1.4	-2	5	40200	-20	105900	140	2900	17.4	22900	570	1.6	1.2	M	M	M	M	
266	AS017	36.4193	81.4474	8.9	58	3.3	18	5	43500	-20	69000	640	9600	13.1	12200	270	3.2	2.1	M	M	M	M	
267	AS018	36.4090	81.4194	8.9	65	3.2	5	11	40700	89	77600	930	8700	15.1	19200	200	4.9	0.8	M	M	M	M	
268	AS019	36.3884	81.4429	8.9	52	1.5	10	7	M	39	57500	M	2400	16.5	4900	20	M	1.6	M	M	M	M	
269	AS020	36.3997	81.3713	8.7	18	1.9	5	23	M	-20	29900	M	M	6.5	5800	M	M	0.5	M	M	M	M	
270	AS021	36.3904	81.3250	7.3	29	3.5	8	48	32700	51	93900	850	M	6.8	8000	M	2.3	0.8	M	M	M	M	
271	AS022	36.4087	81.2651	8.5	18	2.1	3	17	31000	23	53200	720	500	8.4	1400	M	2.3	0.8	M	M	M	M	
272	AS023	36.3723	81.2879	7.3	14	2.3	-3	30	30100	30	43600	250	2900	6.3	11900	M	1	1.5	M	M	M	M	
273	AS024	36.3711	81.3959	7.1	25	2.5	6	24	35300	34	35200	440	800	5.2	3500	M	3.2	1.5	M	M	M	M	
274	AS025	36.3397	81.3948	7.2	27	2.3	6	18	25500	41	45400	680	M	5.0	7000	10	2.9	1.2	M	M	M	M	
275	AS026	36.3083	81.3796	7.3	19	1.6	7	6	23700	26	32300	430	M	4.4	4500	M	1.3	0.7	M	M	M	M	
276	AS027	36.3091	81.3943	7.3	15	2.0	12	6	45000	43	33200	950	7400	6.3	2100	110	2.6	1.4	M	M	M	M	
277	AS028	36.3307	81.4296	7.0	39	2.1	-2	11	32700	-20	44900	110	2800	8.8	6300	10	1.1	0.7	M	M	M	M	
278	AS029	36.3732	81.4711	7.2	52	1.8	-4	4	46100	32	53200	950	7300	14.4	3000	M	M	1.6	M	M	M	M	
279	AS030	36.3512	81.4687	7.5	31	2.5	5	32	30600	-20	45400	850	400	7.2	6100	M	M	0.8	M	M	M	M	
280	AS031	36.3027	81.4605	7.3	19	1.5	-3	2	34000	28	28300	390	M	5.8	M	M	M	1.2	M	M	M	M	
281	AS032	36.2650	81.4555	7.6	11	1.9	-2	1	35300	14	24700	390	M	5.5	2500	M	M	-1	M	M	M	M	
282	AS033	36.2569	81.4835	7.3	12	2.0	7	8	29600	-20	22200	330	M	3.7	3400	M	M	1.4	M	M	M	M	
283	AS034	36.3736	81.6701	8.6	32	1.9	9	9	47200	45	83300	610	M	16.7	2300	540	4.2	1.8	M	M	M	M	
284	AS035	36.4083	81.7255	8.3	46	3.8	36	35	50200	131	51200	740	15400	10.5	15100	60	4	2.1	M	M	M	M	
285	AS036	36.4089	81.6853	8.6	39	5.6	57	60	48600	203	56100	600	14800	8.4	7200	100	3.1	1.2	M	M	M	M	
286	AS037	36.4292	81.6898	7.4	34	3.9	11	30	52900	52	22000	200	6100	7.7	4500	70	M	0.7	M	M	M	M	
287	AS038	36.4404	81.6620	8.3	44	3.1	9	20	55700	83	59900	400	16700	11.9	3700	130	2.5	2.1	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
288	AS039	36.4243	81.6268	7.7	38	2.2	10	13	42200	35	74500	780	M	13.6	8900	M	1.9	1.6	M	M	M	M	
289	AS040	36.4673	81.6801	8.7	39	3.1	6	19	42000	49	21100	540	M	6.4	4200	M	2.4	0.7	M	M	M	M	
290	AS041	36.4689	81.6401	7.6	35	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
291	AS042	36.4900	81.6500	7.7	26	5.1	15	42	43800	112	54300	710	M	11.5	3800	M	2.6	1.2	M	M	M	M	
292	AS043	36.4941	81.6860	7.2	24	5.2	22	29	45400	92	32100	M	700	4.9	4900	M	2.2	0.5	M	M	M	M	
293	AS044	36.4743	81.6159	8.4	39	2.6	23	19	32400	115	59400	420	17700	11.6	2500	90	M	2.7	M	M	M	M	
294	AS045	36.4580	81.5592	7.4	37	1.5	7	4	50300	120	55400	320	11000	10.5	2300	120	M	2.5	M	M	M	M	
295	AS046	36.4857	81.5882	7.7	47	3.1	6	23	37700	36	18900	500	M	5.7	7000	M	3.2	1	M	M	M	M	
296	AS047	36.4642	81.5393	7.6	43	1.6	14	12	33300	76	36900	390	M	5.8	2000	M	1.9	1.6	M	M	M	M	
297	AS048	36.4802	81.4732	8.3	33	1.7	10	4	60300	45	73700	430	12400	13.5	2500	140	2	0.7	M	M	M	M	
312	AS063	36.4702	81.4386	7.5	39	0.9	-3	4	55600	-20	81500	1380	13500	16.7	6600	250	M	-1	M	M	M	M	
314	AS065	36.4746	81.4070	7.6	36	1.5	7	4	56700	39	76200	1270	5400	15.9	3400	230	1.2	1.4	M	M	M	M	
315	AS066	36.4299	81.3980	8.9	44	4.6	14	52	42200	52	55400	1180	12300	11.9	17000	150	5	1.6	M	M	M	M	
316	AS067	36.4251	81.3171	7.7	14	3.0	8	34	28800	28	25800	640	2600	3.6	9000	20	M	1.5	M	M	M	M	
317	AS068	36.4400	81.2949	7.4	20	2.1	6	11	35300	-20	37600	260	3500	5.9	7200	M	1.2	2.5	M	M	M	M	
318	AS069	36.4723	81.3239	7.2	32	5.6	11	65	26500	83	34500	770	7000	4.6	9900	10	1.8	-1	M	M	M	M	
319	AS070	36.4618	81.3535	7.1	45	2.7	9	5	48600	83	57200	320	2700	7.8	7100	180	3.4	2.9	M	M	M	M	
321	AS072	36.4919	81.3781	7.3	34	3.7	4	57	33300	23	38000	420	M	7.0	10600	M	3.9	1.4	M	M	M	M	
331	AV006	36.0357	81.9934	7.7	22	4.4	18	34	44600	118	46800	340	M	5.9	4600	M	2.9	2.1	M	M	M	M	
334	AV009	36.0662	81.9862	7.7	28	3.6	15	46	41400	82	46300	580	M	11.3	9700	310	4.4	2.9	M	M	M	M	
335	AV010	36.0584	81.9662	7.6	30	3.6	15	28	46100	89	52700	470	10500	11.6	M	360	3.5	2.8	M	M	M	M	
336	AV011	36.1028	81.9869	7.8	22	3.4	-3	82	43500	80	91300	880	16900	13.9	M	M	5.3	2.5	M	M	M	M	
337	AV012	36.1450	81.9669	7.6	22	5.5	31	M	44100	132	50300	660	M	4.5	M	M	5.4	2.3	M	M	M	M	
338	AV013	36.1626	81.9891	7.3	48	4.8	29	86	41400	177	30300	500	M	7.7	2600	M	2.4	1.7	M	M	M	M	
339	AV014	36.1604	81.9816	7.8	25	1.9	8	21	42700	169	55800	500	M	5.8	M	M	4.6	2.2	M	M	M	M	
340	AV015	36.1690	81.9628	7.7	38	4.0	22	69	42000	166	63700	600	M	7.4	14200	M	4.9	2.4	M	M	M	M	
341	AV016	36.1803	81.9605	7.7	35	11.3	68	169	41200	251	37300	570	M	2.1	11500	M	6.2	1.6	M	M	M	M	
342	AV017	36.1935	81.9692	8.1	32	7.8	70	87	36200	268	152200	1040	M	6.2	8000	M	4.2	3.6	M	M	M	M	
345	AV020	36.0344	81.9108	7.3	28	3.4	20	21	41000	122	38500	370	M	8.1	M	M	1.5	3.9	M	M	M	M	
346	AV021	36.0212	81.9226	7.4	26	11.3	42	199	46500	219	34600	470	20300	15.8	4000	M	6	2.8	M	M	M	M	
349	AV024	36.0211	81.9716	7.5	28	4.5	22	22	42000	87	48100	610	M	10.7	M	M	3.7	3.3	M	M	M	M	
350	AV025	36.0678	81.9242	7.5	35	3.5	5	33	52000	90	48100	1090	17000	39.2	1600	150	3.7	3.4	M	M	M	-0.3	
351	AV026	36.0764	81.9160	7.5	35	3.8	5	32	50000	52	54500	690	6400	6.9	12700	130	0.6	3.9	M	M	M	-0.4	
352	AV027	36.0937	81.9136	7.5	18	2.6	-1	21	39600	26	30000	970	8900	10.0	18600	160	1.6	1.4	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
353	AV028	36.0822	81.9489	7.5	27	2.1	-3	22	62600	25	27100	1640	18500	12.7	19300	200	2.5	1.9	M	M	M	-0.6	
354	AV029	36.0633	81.8603	7.6	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
355	AV030	36.1109	81.8453	7.4	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
356	AV031	36.1279	81.8271	7.5	21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
357	AV032	36.1446	81.8607	7.7	35	5.7	19	55	56100	145	67900	1190	9200	8.2	23000	130	2.2	2.4	M	M	M	1.1	
358	AV033	36.1542	81.8573	7.6	28	1.4	-1	8	69300	93	124300	1140	11200	27.1	13400	200	1.1	3.5	M	M	M	1.7	
359	AV034	36.1715	81.8478	7.7	31	7.7	48	36	45800	229	25600	650	12400	7.0	1100	40	1.8	3.8	M	M	M	0.7	
360	AV035	36.1643	81.8990	7.6	76	5.6	35	25	60100	158	34500	630	11900	9.1	4900	70	4.3	1.8	M	M	M	-0.3	
361	AV036	36.1715	81.9138	7.7	32	13.5	107	112	51400	552	68000	1960	11200	8.7	26500	130	3.9	5.4	M	M	M	3.4	
362	AV037	36.1614	81.9562	7.8	37	4.6	17	25	54700	161	131900	1340	17500	21.7	13100	120	1.8	2.6	M	M	M	-0.3	
363	AV038	36.2589	81.9006	7.7	31	5.5	28	19	62300	145	26600	990	12700	8.5	6700	30	M	2	M	M	M	1.0	
364	AV039	36.2387	81.9038	7.8	20	11.2	56	37	72400	160	23600	520	19000	5.6	M	M	4	0.8	M	M	M	1.3	
365	AV040	36.0907	81.8020	7.8	10	3.7	12	30	55600	103	38300	370	33300	7.6	3900	50	1.1	3.8	M	M	M	1.3	
366	AV041	36.0072	81.8527	6.5	9	3.8	6	55	33700	42	11600	190	10500	4.9	3500	20	M	-1	M	M	M	-0.3	
368	AV043	36.0032	81.7799	7.0	11	7.8	29	33	25200	123	37600	310	8400	7.3	14900	40	2.6	0.4	M	M	M	1.0	
369	AV044	36.0179	81.7788	7.3	12	13.3	67	40	35700	386	29300	380	11300	6.9	6400	40	4.2	0.9	M	M	M	-0.8	
370	AV045	36.0321	81.8019	7.2	15	3.7	11	22	14000	77	43000	300	4100	11.7	19400	50	2.8	1.2	M	M	M	M	
371	AV046	36.0589	81.7670	7.7	19	7.6	M	30	34500	M	M	420	10600	2.3	1100	50	1.6	M	M	M	M	M	
372	AV047	36.0584	81.7702	7.7	12	5.2	M	18	38100	M	M	400	12500	4.1	3900	60	1.8	M	M	M	M	M	
373	AV048	36.0527	81.7761	7.4	15	4.7	M	22	47200	M	M	360	17500	1.7	M	60	4.2	M	M	M	M	M	
1169	CL001	36.1215	81.7762	7.8	10	2.8	5	39	21400	30	20700	120	4700	2.8	M	M	1.7	0.8	M	M	M	M	
1170	CL002	36.0044	81.7737	6.8	12	31.3	195	126	24600	939	36400	240	3200	4.5	17900	M	20.6	-1	M	M	M	M	
1171	CL003	36.0235	81.7571	7.8	13	7.2	28	24	14300	171	5900	50	4500	1.1	600	M	2.9	4.4	M	M	M	M	
1172	CL004	36.0971	81.7436	7.4	16	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
1184	CL016	36.0103	81.4293	7.2	37	5.4	8	17	25900	41	6400	60	2400	3.9	M	M	4.1	0.3	M	M	M	M	
1185	CL017	36.0445	81.4296	7.4	33	9.9	23	87	26600	96	19200	70	4000	8.5	1100	20	6	1.6	M	M	M	M	
1186	CL018	36.0715	81.4496	7.6	18	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
1187	CL019	36.0520	81.4546	7.3	25	7.3	41	27	24900	255	34600	170	2700	3.9	1600	30	6.2	3.9	M	M	M	M	
1188	CL020	36.0350	81.4077	7.3	29	3.9	6	14	27200	-20	15600	410	2000	2.1	23200	80	4.1	-1	M	M	M	M	
1191	CL023	36.0214	81.3440	7.5	35	4.3	19	18	23400	104	35100	250	M	11.3	800	30	1.4	-1	51	37	9.5	M	
1223	CL055	36.0220	81.4890	7.1	36	7.7	16	101	48400	77	24400	400	M	6.7	2500	40	2.7	1.3	M	11	6.6	1.1	
1224	CL056	36.0376	81.5188	7.3	21	13.9	46	142	48200	329	96300	1100	M	17.4	16600	220	13.9	4.2	82	63	7.3	1.8	
1225	CL057	36.0929	81.5207	7.3	25	4.7	8	20	69100	134	39200	430	17900	18.5	M	50	4.8	4.5	31	31	4.0	0.6	
1226	CL058	36.0927	81.5296	7.4	21	5.2	27	32	42900	131	31500	700	11000	3.2	5300	30	3.6	6.3	50	41	5.0	0.6	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond	U	Th	Hf	Al	Ce	Fe	Mn	Na	Sc	Ti	V	Dy	Eu	La	Sm	Yb	Lu	Au
					um/cm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1227	CL059	36.0018	81.5389	7.3	30	2.3	4	8	69800	48	62700	440	14500	8.2	M	30	M	1.6	21	8	M	-0.2	
1231	CL063	36.0392	81.5965	7.8	40	4.6	14	20	55200	76	20200	180	8700	4.6	2700	30	1.6	1.8	25	9	M	-0.2	
1232	CL064	36.0759	81.5908	7.8	22	2.7	14	14	37400	77	20900	170	5200	5.3	2100	20	2.3	-1	27	15	11.7	0.5	
1233	CL065	36.0991	81.5974	7.5	21	4.4	10	19	29500	-20	20700	300	M	3.9	3500	40	2.7	-1	M	6	M	0.4	
1234	CL066	36.1195	81.6300	7.6	31	7.9	19	66	45000	118	30400	370	7900	5.3	3300	60	3.8	-1	38	20	6.2	1.0	0.308
1235	CL067	36.1167	81.6430	7.4	79	11.7	20	91	24500	143	28500	50	700	5.4	7300	10	3.9	2.1	M	M	M	M	
1236	CL068	36.0530	81.6477	7.6	26	19.9	13	272	21600	49	15900	M	400	3.9	M	90	4.4	1.3	M	M	M	M	
1237	CL069	36.0589	81.6427	7.6	38	5.7	7	43	30200	82	22700	480	13100	5.7	1200	M	2.7	-1	M	M	M	M	
1238	CL070	36.0215	81.6530	7.5	30	6.3	6	78	25000	44	12100	M	3700	4.7	3300	10	5.5	1	M	M	M	M	
1239	CL071	36.0033	81.6389	7.7	22	7.6	47	97	38500	269	18300	340	12300	4.3	1700	30	5	2.1	M	M	M	M	
1246	CL078	36.0408	81.7117	8.3	16	7.9	19	59	14900	95	15900	40	6400	2.4	6600	20	4.2	-1	M	M	M	M	
1247	CL079	36.0612	81.7134	7.7	21	4.6	-2	32	23000	88	22800	130	5400	3.5	4600	M	2.3	-1	M	M	M	M	
1248	CL080	36.0867	81.7061	7.7	29	5.6	13	16	31700	48	22800	130	700	3.6	1100	M	3.7	1.1	M	M	M	M	
1249	CL081	36.0898	81.6853	7.5	28	6.3	30	39	22200	169	24100	140	1800	3.8	1000	20	3.7	1.2	M	M	M	M	
1250	CL082	36.0992	81.6887	7.4	30	9.4	31	33	20400	168	20900	260	8300	4.0	1900	M	4.9	1.2	M	M	M	M	
6247	WL001	36.0969	81.1988	7.7	20	14.9	115	80	26500	401	16400	230	1300	4.4	2100	10	8.3	2.1	M	M	M	M	
6248	WL002	36.1003	81.1664	7.8	16	9.3	47	48	31000	197	11900	170	M	5.9	2000	M	4.1	1.1	M	M	M	M	
6249	WL003	36.0663	81.1737	7.7	15	22.1	214	105	31600	1005	21300	600	6500	4.5	2200	M	14.6	M	M	M	M	M	
6250	WL004	36.0708	81.2187	7.9	14	10.1	54	38	44000	250	24300	460	6300	7.0	1000	50	5.9	0.5	M	M	M	M	
6251	WL005	36.0705	81.2282	7.8	20	10.8	47	23	51200	237	18900	360	6700	5.4	M	40	6.4	2.3	M	M	M	M	
6252	WL006	36.0820	81.2679	7.4	31	5.9	4	56	30200	16	15000	230	3000	7.6	2400	40	2.5	0.7	M	M	M	M	
6253	WL007	36.0546	81.2682	7.6	21	18.6	109	65	38200	478	22900	460	2500	6.4	2300	M	9.1	-1	M	M	M	M	
6254	WL008	36.0478	81.2982	7.2	39	4.8	6	19	49700	-20	20200	260	4400	4.9	1000	10	2.2	-1	M	M	M	M	
6255	WL009	36.0358	81.3482	7.5	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6256	WL010	36.0754	81.3441	7.3	27	5.4	8	54	23800	52	16300	50	1700	7.5	1800	M	4.6	1.4	M	M	M	M	
6257	WL011	36.0769	81.3922	8.0	13	4.9	23	24	34900	118	33500	420	M	8.0	1600	M	3.2	2.5	M	M	M	M	
6258	WL012	36.0900	81.4182	7.5	18	6.0	33	21	21200	122	42400	480	600	5.3	7100	160	5.4	1.9	M	M	M	M	
6259	WL013	36.1086	81.4417	8.0	14	3.2	15	M	34700	83	35500	150	1400	5.9	3600	60	3	1.2	M	M	M	M	
6260	WL014	36.1196	81.4741	7.9	25	4.4	10	10	44100	60	27100	M	3200	9.8	3600	10	3.9	1.2	M	M	M	M	
6261	WL015	36.1204	81.5060	7.7	9	3.4	8	15	25000	60	13400	200	M	2.6	4600	M	2.4	2.4	M	M	M	M	
6262	WL016	36.1263	81.4971	8.0	14	4.4	13	23	39700	77	41400	300	1600	10.5	2300	M	3	2.2	M	M	M	M	
6263	WL017	36.1063	81.3672	7.6	27	5.6	22	47	28900	103	26500	140	8300	4.9	7300	10	4.2	2.1	M	M	M	M	
6264	WL018	36.1234	81.3760	7.7	11	5.6	25	36	23800	80	28100	550	3200	3.9	6200	10	6.1	1.8	M	M	M	M	
6265	WL019	36.1343	81.3959	7.6	10	3.8	10	18	32700	100	53900	660	4300	7.1	9100	40	4.4	1.7	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
6266	WL020	36.1522	81.4318	7.3	1	3.8	16	17	23500	85	60200	1120	5900	7.6	14500	90	3.2	2	M	M	M	M	
6267	WL021	36.1510	81.4660	7.8	8	3.3	14	20	23200	88	30300	1190	3900	5.3	4000	50	3.6	1.2	M	M	M	M	
6268	WL022	36.1650	81.4617	7.6	10	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6269	WL022	36.1650	81.4617	7.6	10	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6270	WL023	36.0982	81.3136	7.9	25	5.3	10	125	45800	40	30800	380	6000	5.7	2000	40	2.9	1.5	M	M	M	M	
6271	WL023	36.0982	81.3136	7.9	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6272	WL024	36.1037	81.2555	7.7	20	6.2	21	34	46300	139	16700	340	3400	4.4	1600	20	8.3	2.5	M	M	M	M	
6273	WL024	36.1037	81.2555	7.7	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6274	WL025	36.1308	81.1343	7.6	25	9.1	38	26	34100	214	22200	360	3200	5.0	2000	20	7.8	1	M	M	M	M	
6275	WL026	36.1116	81.0837	7.8	15	8.4	38	16	16300	152	13600	490	4000	2.2	1900	40	3.7	0.9	M	M	M	M	
6276	WL027	36.1011	81.0412	7.5	15	4.5	25	8	26000	90	12700	160	3300	2.2	3100	20	2.1	5.3	M	M	M	M	
6277	WL028	36.0891	81.0220	7.5	12	5.2	40	13	46500	141	9400	350	9000	1.7	M	10	2.2	0.8	M	M	M	M	
6283	WL034	36.1220	81.0096	7.3	21	3.7	14	29	31500	54	11400	1410	10400	2.6	M	M	1.9	1.9	M	M	M	M	
6284	WL035	36.1483	81.0563	7.2	26	14.5	81	30	27600	356	17800	250	M	6.1	2400	160	10.6	1.8	M	M	M	M	
6285	WL036	36.1423	81.0864	7.2	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6286	WL037	36.1609	81.0912	7.3	28	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6287	WL038	36.1349	81.3118	7.4	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6288	WL039	36.1247	81.3328	7.7	23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6289	WL040	36.1711	81.3825	7.6	5	6.1	34	14	30400	186	34600	690	6100	5.9	7800	80	3.7	2.4	M	M	M	-2.0	
6290	WL041	36.1834	81.3814	7.6	6	19.4	98	58	21800	457	71100	1270	200	7.5	21100	100	9.7	6.2	M	M	M	-1.4	
6291	WL042	36.1931	81.4140	8.0	4	4.5	22	15	35200	127	30800	710	7500	5.1	7400	70	3	3	M	M	M	-2.5	
6292	WL043	36.2249	81.4318	8.0	2	3.3	14	14	38700	53	28800	630	7800	6.3	6100	70	1.5	0.6	M	M	M	-0.2	
6293	WL044	36.2291	81.3721	7.4	1	6.8	35	25	19300	175	35000	390	1500	4.9	14400	50	5.3	1.9	M	M	M	2.9	
6294	WL045	36.2608	81.3963	7.7	M	5.2	22	17	53000	104	38200	910	10400	4.3	10500	70	5.3	1.5	M	M	M	M	
6295	WL046	36.2103	81.3454	7.5	3	4.1	9	8	38700	45	22900	730	9100	4.6	9300	80	5	1	M	M	M	M	
6296	WL047	36.1936	81.2939	7.6	17	16.3	102	12	48200	634	78700	1720	9600	8.6	29500	270	15.7	7	M	M	M	M	
6297	WL048	36.1678	81.3310	7.1	22	10.9	39	14	54100	217	36300	1090	8700	5.9	17200	170	8.7	3.2	M	M	M	M	
6298	WL049	36.2343	81.2621	7.5	10	5.8	20	35	34800	75	71900	1970	8900	6.4	27100	160	4.8	1.5	M	M	M	M	
6299	WL050	36.2365	81.2483	7.3	12	3.8	15	8	48400	30	16700	440	9700	3.5	5900	50	1.3	1.4	M	M	M	M	
6300	WL051	36.2592	81.3245	7.7	M	8.8	42	16	33000	270	33300	1100	9200	3.3	11700	80	5.7	3.7	M	M	M	M	
6301	WL052	36.2649	81.2976	7.3	10	2.2	-2	9	48300	-20	32200	980	12500	5.8	9600	80	3.1	0.6	M	M	M	M	
6302	WL053	36.2986	81.3213	7.3	1	4.1	17	11	36100	110	39300	930	6300	4.1	12600	100	2.7	3.5	M	M	M	M	
6303	WL054	36.3232	81.3299	7.6	10	1.8	5	8	52500	43	36900	910	11200	6.9	10900	110	1.7	1.2	M	M	M	M	
6304	WL055	36.2907	81.2503	7.5	12	4.5	11	13	66500	67	17800	390	24900	2.8	3700	30	0.8	3.1	M	M	M	M	

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6305	WL056	36.2796	81.2664	7.6	9	2.9	-1	20	45400	-20	42500	1290	10100	4.9	13400	120	3	0.5	M	M	M	M	
6306	WL057	36.2932	81.2813	7.6	8	2.4	8	16	45700	39	58000	1050	10700	4.4	12100	110	2.5	1.2	M	M	M	M	
6307	WL058	36.3104	81.2885	7.4	8	1.8	7	14	24800	-20	30500	960	5400	3.9	13200	70	1.8	-1	M	M	M	M	
6308	WL059	36.3194	81.3012	7.4	9	1.8	5	10	44600	57	47600	970	11400	5.0	12000	110	0.8	1	M	M	M	M	
6309	WL060	36.2898	81.2724	7.5	11	2.0	5	8	33900	-20	24600	850	8800	3.1	9500	70	2.5	2	M	M	M	M	
6310	WL061	36.3293	81.2269	7.5	18	1.5	7	8	36500	-20	33400	800	6000	4.2	2900	80	2.3	2	M	M	M	M	
6311	WL062	36.3552	81.2070	7.3	11	1.2	-3	5	41300	-20	72500	1250	3700	7.3	20800	310	1.6	1.2	M	M	M	M	
6312	WL063	36.3382	81.1486	7.4	12	1.8	14	10	33300	28	25700	540	8100	3.8	7700	50	0.8	-1	M	M	M	M	
6313	WL064	36.3592	81.1724	7.5	11	1.0	3	5	24400	-20	24700	670	5700	3.4	9000	60	2.4	-1	M	M	M	M	
6314	WL065	36.3698	81.1523	7.4	4	1.3	M	6	28600	35	30200	860	6100	3.5	10300	80	1.5	1.5	M	M	M	M	
6315	WL066	36.3750	81.1453	7.7	1	1.8	5	8	42600	-20	43200	1310	12600	4.0	12700	150	3	-1	M	M	M	M	
6316	WL067	36.3807	81.1289	7.7	3	1.1	-4	8	23400	-22	28200	770	7800	1.8	7100	40	M	-1	M	M	M	M	
6317	WL068	36.3648	81.1240	7.7	3	1.6	-2	8	36600	-20	30800	1070	10100	4.8	9500	100	2	-1	M	M	M	M	
6318	WL069	36.3806	81.0685	7.6	5	1.3	-5	5	40200	33	20800	570	14800	3.1	5200	40	M	1.1	M	M	M	M	
6319	WL070	36.3985	81.0624	7.4	3	1.2	-2	6	28800	-20	28400	860	8600	3.3	8800	70	2.8	0.9	M	M	M	M	
6320	WL071	36.3666	81.0575	7.2	10	2.0	18	9	40100	92	32200	1020	17300	3.9	9500	50	0.7	-1	M	M	M	M	
6321	WL072	36.3532	81.1052	7.3	10	4.0	8	20	29400	58	13400	370	4100	4.0	4100	30	2.9	-1	M	M	M	M	
6322	WL073	36.3241	81.0896	7.5	10	2.5	15	14	29300	85	46800	1130	9400	2.7	15000	80	M	1.6	M	M	M	M	
6323	WL074	36.2961	81.1479	7.4	10	3.1	5	12	33600	52	13900	340	8100	2.0	3700	30	3.5	0.6	M	M	M	M	
6324	WL075	36.2954	81.2147	7.5	15	4.5	14	19	53300	-20	13900	400	14700	3.6	2400	30	M	1.5	M	M	M	M	
6327	WL078	36.1834	81.0530	7.6	37	4.6	18	26	28400	76	10300	370	4200	5.8	4100	40	4.3	0.5	M	M	M	M	
6353	WL097	36.3517	81.0104	7.6	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6352	WL097	36.3517	81.0104	7.6	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6354	WL098	36.3417	81.0357	7.5	22	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6355	WL098	36.3417	81.0357	7.5	22	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6357	WL099	36.3194	81.0513	7.7	8	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6356	WL099	36.3194	81.0513	7.7	8	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6359	WL100	36.3105	81.0233	7.7	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6358	WL100	36.3105	81.0233	7.7	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6361	WL101	36.2807	81.0360	7.3	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6360	WL101	36.2807	81.0360	7.3	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6366	WL104	36.2277	81.0081	7.4	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6367	WL104	36.2277	81.0081	7.4	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6369	WL105	36.1516	81.2133	7.4	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	

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6368	WL105	36.1516	81.2133	7.4	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6370	WL106	36.1617	81.1952	7.3	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6371	WL106	36.1617	81.1952	7.3	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6372	WL107	36.2032	81.2448	7.4	21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6373	WL107	36.2032	81.2448	7.4	21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6374	WL108	36.2455	81.2211	7.8	19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6375	WL108	36.2455	81.2211	7.8	19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6377	WL109	36.2680	81.2000	7.5	13	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6376	WL109	36.2680	81.2000	7.5	13	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6379	WL110	36.2600	81.1539	7.6	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6378	WL110	36.2600	81.1539	7.6	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6380	WL111	36.2370	81.1324	7.3	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6381	WL111	36.2370	81.1324	7.3	11	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6383	WL112	36.2185	81.1364	7.6	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6382	WL112	36.2185	81.1364	7.6	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6385	WL113	36.2034	81.1790	7.7	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6384	WL113	36.2034	81.1790	7.7	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6386	WL114	36.2431	81.1952	7.5	20	4.0	20	23	38700	149	35100	540	10800	6.3	9900	60	1.2	5.2	M	M	M	-2.1	
6387	WL115	36.2073	81.0769	7.6	20	3.7	4	52	22900	-20	32500	730	5800	4.1	27100	30	1.3	2.5	M	M	M	1.7	
6388	WL116	36.2031	81.0871	7.5	20	3.3	8	35	25200	40	40500	840	2800	2.9	25700	40	1	2.6	M	M	M	M	
6389	WL117	36.0329	81.0910	8.8	20	6.7	26	17	41000	110	13700	420	5400	3.2	3400	40	2.7	-1	M	M	M	M	
6390	WL118	36.0339	81.0600	7.9	12	24.8	193	53	39000	884	25000	740	6000	2.9	10100	40	7	-1	M	M	M	M	
6391	WL119	36.0572	81.0783	8.2	18	9.7	38	27	37400	112	11200	360	4500	3.4	2500	40	2.8	0.9	M	M	M	M	
6489	WT001	36.2141	81.7093	8.7	79	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6488	WT001	36.2141	81.7093	8.7	79	3.4	M	19	45300	M	M	940	19200	4.4	4700	80	4.1	M	M	M	M	M	
6490	WT002	36.1983	81.7390	7.8	50	3.4	-2	8	62100	19	-5000	670	17100	5.2	3700	80	2.9	2.5	M	M	M	1.4	
6491	WT002	36.1983	81.7390	7.8	50	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6493	WT003	36.1786	81.7462	8.5	20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6492	WT003	36.1786	81.7462	8.5	20	6.8	M	47	48600	M	M	400	9500	4.2	4100	40	3	M	M	M	M	M	
6495	WT004	36.1561	81.7711	7.5	32	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6494	WT004	36.1561	81.7711	7.5	32	4.7	3	11	68900	14	-5000	780	17200	7.9	2400	80	0.4	1	M	M	M	-1.6	
6497	WT005	36.1453	81.7690	7.5	12	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6496	WT005	36.1453	81.7690	7.5	12	3.7	M	34	64500	M	M	720	11500	7.3	9300	150	3.3	M	M	M	M	M	
6498	WT006	36.1451	81.7968	7.0	38	4.5	M	14	71500	M	M	850	21100	8.9	4000	120	3.8	M	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

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6499	WT006	36.1451	81.7968	7.0	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6501	WT007	36.1975	81.7819	7.1	29	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6500	WT007	36.1975	81.7819	7.1	29	6.3	M	28	42300	M	M	1050	9500	12.7	18400	160	1.3	M	M	M	M	M	
6502	WT008	36.1912	81.7890	7.0	36	7.8	M	59	48700	M	M	950	8600	4.0	11900	60	2.1	M	M	M	M	M	
6503	WT008	36.1912	81.7890	7.0	36	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6505	WT009	36.1763	81.7985	7.1	28	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6504	WT009	36.1763	81.7985	7.1	28	6.4	3	28	62400	-20	-5000	1130	8400	11.9	2400	170	1.9	0.5	M	M	M	0.9	
6506	WT010	36.1997	81.8089	7.2	28	6.5	M	44	62400	M	M	890	12600	4.7	7400	70	2.9	M	M	M	M	M	
6507	WT010	36.1997	81.8089	7.2	28	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6509	WT011	36.2060	81.8335	7.1	25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6508	WT011	36.2060	81.8335	7.1	25	8.5	M	55	60800	M	M	580	18300	3.2	4400	40	2.3	M	M	M	M	M	
6511	WT012	36.2321	81.8498	7.1	24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6510	WT012	36.2321	81.8498	7.1	24	5.6	-1	21	63500	26	-5000	400	23500	0.8	4000	30	1.8	1.7	M	M	M	-0.2	
6513	WT013	36.2327	81.8190	7.0	33	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6512	WT013	36.2327	81.8190	7.0	33	10.2	M	34	51100	M	M	590	17600	2.8	2000	20	7.1	M	M	M	M	M	
6515	WT014	36.2527	81.8149	6.9	43	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6514	WT014	36.2527	81.8149	6.9	43	2.9	16	19	52300	107	29400	430	18300	5.0	2500	40	1.6	1.6	M	M	M	-2.4	
6517	WT015	36.2666	81.8532	7.0	55	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6516	WT015	36.2666	81.8532	7.0	55	5.5	19	21	34400	69	17700	110	300	6.7	2200	M	1	-1	M	M	M	-1.1	
6519	WT016	36.2630	81.8934	7.3	31	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6518	WT016	36.2630	81.8934	7.3	31	7.9	28	37	63000	113	29600	470	16300	4.0	3900	M	2.6	2.9	M	M	M	-2.2	
6520	WT017	36.2363	81.8904	7.0	30	4.1	9	17	62400	56	20900	330	17100	3.1	1600	M	1.6	1.2	M	M	M	-0.2	
6521	WT017	36.2363	81.8904	7.0	30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6522	WT018	36.2284	81.8771	6.9	31	7.4	21	83	57800	98	25100	480	16600	6.6	4000	M	1.7	1.4	M	M	M	2.2	
6523	WT018	36.2284	81.8771	6.9	31	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6525	WT019	36.2862	81.8789	7.0	32	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6524	WT019	36.2862	81.8789	7.0	32	10.6	20	45	63100	52	15100	500	7000	4.4	1800	M	4.3	-1	M	M	M	-1.3	
6526	WT020	36.3088	81.8534	7.0	43	8.5	15	25	51900	39	24700	M	M	4.6	M	M	M	2	M	M	M	M	
6527	WT020	36.3088	81.8534	7.0	43	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6528	WT021	36.2922	81.8249	7.2	55	7.2	18	14	39700	46	22200	270	7700	3.2	M	M	1.8	1.2	M	M	M	M	
6529	WT021	36.2922	81.8249	7.2	55	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6530	WT022	36.2510	81.7858	8.8	92	1.8	6	7	41900	74	44300	490	9700	9.1	3500	50	2.6	2.4	M	M	M	M	
6531	WT023	36.2234	81.7867	7.3	54	5.8	24	24	35700	83	20400	M	19800	3.1	1000	10	1.9	1	M	M	M	M	
6532	WT024	36.2373	81.7487	8.9	68	2.5	-2	17	43200	120	55300	230	5000	15.3	7400	50	5.7	3.7	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

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6533	WT025	36.3338	81.8296	8.9	35	4.9	14	26	42000	84	25600	360	1500	2.4	2500	10	2.8	-1	M	M	M	M	
6534	WT026	36.3289	81.8172	7.6	41	4.8	12	11	40000	36	23900	260	2700	3.2	1000	10	M	0.9	M	M	M	M	
6535	WT027	36.2935	81.8138	7.4	40	3.3	9	32	37100	109	29100	380	8800	1.9	M	M	1.5	1.3	M	M	M	M	
6536	WT028	36.2868	81.7768	7.2	39	2.9	15	19	25700	72	34300	400	2500	5.3	2600	30	2.2	1.5	M	M	M	M	
6537	WT029	36.2857	81.7587	7.1	91	2.4	17	13	M	102	48000	720	6400	8.4	7600	60	3	1.8	M	M	M	M	
6538	WT030	36.2660	81.7668	7.4	79	1.9	9	12	42200	140	58700	320	5900	12.3	6400	80	M	2.6	M	M	M	M	
6539	WT031	36.3146	81.7570	7.4	59	1.7	6	10	50900	98	65100	630	1600	10.1	4500	M	2.5	2.2	M	M	M	M	
6540	WT032	36.3193	81.7715	7.4	47	5.5	27	19	36700	102	27500	380	4100	4.6	1500	10	3.2	1.4	M	M	M	M	
6541	WT033	36.3300	81.7483	7.3	48	2.8	-3	27	43100	167	81900	1170	M	14.4	20100	480	5.4	2.6	M	M	M	M	
6542	WT034	36.3680	81.7100	8.6	48	2.2	-2	23	40200	119	64500	220	7300	12.0	9700	M	4.6	3.7	M	M	M	M	
6543	WT035	36.3531	81.6800	7.4	28	2.1	-4	13	46000	66	86900	M	M	16.3	9700	540	4.3	2.2	M	M	M	M	
6544	WT036	36.3038	81.6840	7.3	32	1.8	8	3	60000	43	89500	260	4400	19.3	8300	210	2	0.9	M	M	M	M	
6545	WT037	36.2798	81.6798	7.2	24	3.2	10	30	46900	53	80900	810	1400	16.4	1400	550	4.7	1.6	M	M	M	M	
6546	WT038	36.2679	81.7146	7.2	28	3.7	6	14	41800	120	55500	320	1700	14.9	5300	M	5.3	1.2	M	M	M	M	
6547	WT039	36.2672	81.6569	7.1	34	3.5	5	47	40000	64	39000	670	6300	5.3	1300	M	3.2	1.2	M	M	M	M	
6548	WT040	36.3077	81.6047	7.2	38	2.2	-2	13	48600	-20	73000	300	9700	14.8	5300	130	2.2	1.2	M	M	M	M	
6549	WT041	36.3252	81.6259	7.0	39	2.3	-4	17	25600	95	70000	140	4500	19.6	3300	M	3.9	0.9	M	M	M	M	
6550	WT042	36.2884	81.6501	7.1	40	2.2	8	19	56800	-20	69000	420	6300	15.7	4300	80	3.4	1.2	M	M	M	M	
6551	WT043	36.2519	81.6171	7.2	32	2.5	20	16	51300	53	65200	1040	8900	12.3	9100	180	2.3	1.9	M	M	M	M	
6552	WT044	36.2679	81.5929	7.2	41	1.6	-2	11	44700	-20	62700	1210	9300	11.2	10600	190	1.8	0.7	M	M	M	M	
6553	WT045	36.2413	81.6625	7.2	28	7.1	24	27	40600	200	65100	M	19400	11.6	8400	360	5.4	4.6	M	M	M	M	
6554	WT046	36.2186	81.6395	7.1	49	5.7	12	37	36200	109	35200	M	4700	7.5	5300	10	4.2	1.9	M	M	M	M	
6555	WT047	36.1920	81.6881	9.0	18	3.8	14	23	29500	90	44300	90	15000	3.7	3200	220	5.2	0.9	M	M	M	M	
6556	WT048	36.1718	81.6843	8.8	17	4.8	7	14	48500	66	36700	460	16000	4.5	3400	40	4.4	1.5	M	M	M	M	
6557	WT049	36.1379	81.7268	7.4	7	4.8	7	25	40900	25	23800	410	13000	3.8	3300	240	4.4	3.9	M	M	M	M	
6558	WT050	36.1253	81.7561	7.6	9	3.2	6	35	25400	72	18200	50	11300	2.7	1000	10	4	1.1	M	M	M	M	
6559	WT051	36.1372	81.6716	6.8	46	7.2	16	29	38400	130	30500	350	11400	5.4	2200	80	2.2	1.6	M	M	M	M	
6560	WT052	36.1807	81.6456	7.1	28	10.4	12	92	27300	121	30100	570	7400	4.7	8300	50	3.7	1.9	M	M	M	M	
6561	WT053	36.1930	81.6332	7.0	21	8.1	13	61	27400	119	28000	320	M	4.1	2400	20	2.8	-1	M	M	M	M	
6562	WT054	36.1810	81.6101	7.4	12	8.0	9	66	22500	109	21200	310	33200	3.5	3100	160	5.2	0.7	M	M	M	M	
6563	WT055	36.1198	81.6289	7.0	22	7.8	18	96	31600	147	34800	M	M	6.5	2000	280	4.7	2.8	M	M	M	M	
6564	WT056	36.1204	81.5950	7.0	24	2.1	8	7	38400	29	23100	280	3800	4.3	1600	30	2.9	0.8	M	M	M	M	
6565	WT057	36.1402	81.5651	7.3	28	3.0	8	10	27000	39	14800	190	55000	3.3	M	190	1.8	2.1	M	M	M	M	
6566	WT058	36.1631	81.5029	7.4	14	4.7	16	19	43300	40	25600	310	11500	3.6	1500	240	2.2	0.9	M	M	M	M	

BOONE 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
6567	WT059	36.1917	81.5289	7.1	37	4.4	13	19	38500	77	38700	500	6500	8.8	4100	350	4.9	3	M	M	M	M	
6568	WT060	36.2038	81.5592	7.1	49	2.5	7	15	21700	40	40000	380	1900	6.3	2000	230	3.3	2.8	M	M	M	M	
6569	WT061	36.1990	81.5013	7.1	22	6.0	36	13	33600	218	29200	120	2800	3.4	6300	20	4.4	2.8	M	M	M	M	
6570	WT062	36.2030	81.4695	7.0	32	3.7	11	23	33900	33	26100	500	2500	5.2	4900	150	3.7	0.5	M	M	M	M	
6571	WT063	36.2113	81.4647	7.1	23	3.1	8	9	39600	84	26400	380	5500	4.1	2300	50	2.7	2.5	M	M	M	M	
6572	WT064	36.2501	81.5045	7.0	32	3.4	16	7	14000	85	14500	120	1100	3.2	3000	50	3.2	0.7	M	M	M	M	
6573	WT065	36.2354	81.5222	7.1	40	3.3	18	7	29500	69	28800	500	900	5.4	6600	40	4.4	1.6	M	M	M	M	
6574	WT066	36.2665	81.5504	7.0	28	2.0	5	9	27200	48	36900	80	4700	5.6	3900	40	M	2	M	M	M	M	
6575	WT067	36.2473	81.5778	7.1	62	2.0	-1	13	22300	-20	17700	280	400	3.2	3000	10	1.3	-1	M	M	M	M	
6576	WT068	36.2398	81.5947	7.2	48	2.5	5	29	18300	39	21900	M	1200	3.3	3600	30	1.8	-1	M	M	M	M	

WYTHEVILLE QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
67	AG008	36.5433	81.0225	7.4	22	1.9	-4	21	57500	68	52800	1070	12100	5.1	17300	130	2.6	1.0	M	M	M	M	
68	AG009	36.5436	81.0584	7.2	30	3.5	10	68	32600	60	30000	810	5800	3.9	9500	80	2.1	3.0	M	M	M	M	
69	AG010	36.5246	81.0704	7.4	25	3.8	-3	45	30400	36	54500	1550	8700	9.2	22400	100	2.4	1.1	M	M	M	M	
70	AG011	36.5114	81.1051	7.3	20	2.7	5	29	46100	-23	37600	630	7200	5.5	11800	60	3.6	-1.0	M	M	M	M	
71	AG012	36.5141	81.1470	7.3	24	3.9	-3	78	41100	44	28900	740	8400	7.2	9900	50	6.2	1.0	M	M	M	M	
83	AG024	36.5003	81.3091	7.1	38	2.7	7	43	48600	-20	37400	770	8700	10.2	6600	110	3.0	-1.0	M	M	M	M	
84	AG025	36.5158	81.3155	7.4	33	5.3	-7	87	46300	81	66200	1300	12900	9.1	12800	160	6.3	3.5	M	M	M	M	
85	AG026	36.5599	81.3538	7.5	54	6.7	26	64	46500	149	36600	870	17000	7.9	2800	90	3.5	1.1	M	M	M	M	
86	AG027	36.5296	81.3287	7.6	43	2.3	-6	11	65600	106	56600	990	22900	10.3	5600	80	5.0	3.1	M	M	M	M	
87	AG028	36.5403	81.2598	7.5	23	6.4	7	86	25300	36	23500	760	5400	4.6	19100	60	8.9	0.6	M	M	M	M	
88	AG029	36.5485	81.2286	7.3	39	3.4	9	48	35300	-22	27300	560	5200	4.8	12900	70	3.5	3.2	M	M	M	M	
89	AG030	36.5553	81.2178	7.6	29	3.3	-4	34	38200	-20	35300	970	9500	9.1	13800	90	2.5	1.9	M	M	M	M	
90	AG031	36.5658	81.2086	7.6	31	3.5	-5	60	41100	75	47400	820	9300	7.1	11500	80	3.3	1.7	M	M	M	M	
91	AG032	36.5443	81.1881	7.6	55	2.8	-3	32	31400	-20	35900	420	M	5.1	4700	M	2.5	1.0	M	M	M	M	
92	AG033	36.5059	81.2243	7.6	30	5.3	24	77	46100	74	63300	530	16800	7.8	4600	M	7.0	-1.0	M	M	M	M	
93	AG034	36.5111	81.2167	7.4	23	4.1	6	54	34100	-20	34800	730	M	5.1	10500	M	3.3	0.7	M	M	M	M	
94	AG035	36.5199	81.2176	7.4	25	2.8	-7	58	33100	-20	37400	400	10100	4.6	7300	M	1.6	1.7	M	M	M	M	
96	AG037	36.5577	81.1506	7.6	48	2.3	-5	40	32700	33	47800	450	M	6.8	8500	M	2.9	2.1	M	M	M	M	
105	AG046	36.5004	81.0377	7.1	21	2.4	-4	23	34000	-20	112700	900	M	8.1	19600	370	2.6	-1.0	M	M	M	M	
106	AG047	36.5056	81.0047	7.0	22	2.4	14	25	30400	42	49600	630	M	5.6	15200	200	1.6	1.7	M	M	M	M	
298	AS049	36.5004	81.4800	7.5	51	1.3	5	10	32800	52	14900	350	M	3.1	8900	M	1.5	-1.0	M	M	M	M	
299	AS050	36.5187	81.5217	8.5	33	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
300	AS051	36.5106	81.5464	7.6	51	3.1	44	35	50000	164	46500	460	17800	8.2	1400	100	M	0.3	M	M	M	M	
301	AS052	36.5322	81.5068	7.4	59	3.7	12	42	36600	95	28100	360	M	8.1	2800	M	3.4	1.6	M	M	M	M	
302	AS053	36.5527	81.4813	8.9	32	4.6	47	57	38800	173	54400	M	400	7.7	13300	M	4.2	4.9	M	M	M	M	
303	AS054	36.5892	81.6164	7.4	16	2.3	7	37	52200	75	40600	400	6200	8.2	3000	M	5.8	1.6	M	M	M	M	
304	AS055	36.5538	81.6130	7.3	13	3.3	13	62	51800	170	30400	480	3300	2.1	7800	M	8.8	5.4	M	M	M	M	
305	AS056	36.5297	81.5960	7.3	29	4.1	31	47	28800	109	44500	230	6300	6.3	4100	80	2.4	2.0	M	M	M	M	
306	AS057	36.5463	81.6636	8.6	25	3.8	13	14	45200	101	52400	420	4600	9.5	5500	M	2.6	1.7	M	M	M	M	
307	AS058	36.5351	81.6721	7.4	20	3.8	14	52	53800	97	78900	550	5600	6.7	15600	140	3.2	1.2	M	M	M	M	
308	AS059	36.5656	81.5364	7.4	50	2.8	4	44	59200	73	60400	920	16500	10.1	1700	140	3.9	0.5	M	M	M	M	
309	AS060	36.5779	81.5734	8.8	22	3.6	13	53	57200	77	54600	800	13000	7.9	5300	70	1.8	1.2	M	M	M	M	
310	AS061	36.5522	81.4409	7.9	54	4.5	31	55	47000	104	34200	930	20300	8.9	4300	90	2.6	1.9	M	M	M	M	
311	AS062	36.5375	81.4214	7.8	48	3.1	24	38	38700	123	29000	590	10900	7	3900	70	2.6	1.4	M	M	M	M	

WYTHEVILLE QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppm	Th ppm	Hf ppm	Al ppm	Ce ppm	Fe ppm	Mn ppm	Na ppm	Sc ppm	Ti ppm	V ppm	Dy ppm	Eu ppm	La ppm	Sm ppm	Yb ppm	Lu ppm	Au ppm
313	AS064	36.5114	81.4481	8.4	46	5.9	37	98	43800	214	43600	1180	12900	8.5	15500	80	3.7	1.6	M	M	M	M	
320	AS071	36.5261	81.3376	7.3	37	2.2	7	18	32400	79	44600	250	3600	8.4	7800	M	1.9	1.7	M	M	M	M	
322	AS073	36.5072	81.3894	7.3	47	2.8	10	18	36600	99	45100	200	14100	7	4600	70	4.4	2.1	M	M	M	M	
323	AS074	36.5409	81.3709	7.5	61	3.9	10	28	57700	64	47800	950	5000	13.1	2500	M	5.3	1.6	M	M	M	M	
324	AS075	36.5748	81.3884	7.3	62	6.1	24	74	23100	132	34700	420	11700	5.6	4600	70	2.8	1.9	M	M	M	M	
325	AS076	36.5668	81.4135	7.3	63	3.4	12	27	37200	32	55100	820	11900	8.4	5800	M	1.8	1.6	M	M	M	M	

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
1	AE001	36.0090	81.1895	1.0	0.7	0	110	1.5	200	8	9	10	9000	23	1050	-2	-5	12	800	10	-1	-5	.	-2	5	45
3	AE003	36.0109	81.1338	2.3	0.8	0	127	1.0	200	5	8	6	8000	9	850	-2	15	-5	800	10	-1	-5	.	-2	45	20
4	AE004	36.0175	81.1177	0.6	0.7	0	90	0.5	100	-5	7	5	2000	6	1150	-2	10	-5	200	10	-1	-5	.	-2	10	23
6	AE006	36.0230	81.0740	8.7	0.7	0	130	1.5	100	-5	12	3	14000	16	2000	3	15	-5	1300	-10	-1	5	.	-2	140	15
7	AE007	36.0305	81.0547	1.2	0.6	0	102	1.5	300	5	8	6	15000	17	1200	2	20	5	900	-10	-1	-5	.	-2	10	30
8	AE008	36.0010	81.0269	0.6	0.8	0	117	1.5	100	5	9	4	14000	8	1500	2	25	-5	800	-10	-1	-5	.	-2	-5	18
27	AE027	36.0085	81.2155	2.3	0.3	1	210	1.0	100	-5	9	3	10000	8	1150	-2	-5	5	300	-10	-1	10	.	-2	-5	18
72	AG013	36.3923	81.2458	0.5	0.1		67	1.5	-100	5	6	8	9000	6	1350	-2	60	12	500	-10	5	-5	.	-2	-5	25
73	AG014	36.4123	81.2618	1.2	0.3	2	172	2.0	-100	7	9	8	11000	11	1550	3	30	12	500	-10	6	-5	.	-2	-5	42
74	AG015	36.4344	81.2584	3.1	0.8	1	125	2.0	100	5	-5	6	14000	17	1950	3	20	-5	300	-10	-1	-5	.	-2	5	45
75	AG016	36.4292	81.2237	2.5	0.6		142	2.0	400	5	-5	6	10000	-5	600	-2	30	7	500	-10	-1	5	.	-2	-5	40
76	AG017	36.4155	81.2415	3.1	0.8		247	2.0	200	10	-5	11	13000	15	750	-2	20	10	500	10	-1	-5	.	-2	5	70
77	AG018	36.4041	81.2144	2.0	0.5	0	122	2.0	300	-5	-5	12	10000	7	2300	-2	100	10	300	-10	-1	-5	.	-2	-5	35
78	AG019	36.4708	81.2521	1.2	0.3	2	130	1.0	100	10	7	9	9000	8	1400	-2	15	15	500	10	2	-5	.	-2	-5	47
79	AG020	36.4775	81.2785	0.9	0.4	1	125	2.0	-100	12	12	11	8000	-5	3250	-2	15	17	500	12	1	5	.	-2	-5	55
80	AG021	36.4855	81.3017	1.2	0.4	1	97	1.5	100	7	25	7	4000	-5	1500	-2	15	12	600	10	5	-5	.	-2	-5	40
81	AG022	36.4801	81.2793	1.6	0.2		152	1.0	100	-5	8	5	5000	-5	1100	-2	25	12	600	-10	7	-5	.	-2	-5	15
82	AG023	36.4947	81.2881	0.9	0.2		147	1.5	-100	5	-5	5	10000	-5	850	-2	15	12	600	-10	3	-5	.	-2	-5	30
95	AG036	36.4986	81.1982	0.3	0.2	1	65	1.0	100	5	8	6	11000	8	3000	-2	10	22	600	-10	1	-5	.	-2	-5	30
97	AG038	36.4580	81.1687	0.2	0.4		157	2.0	-100	5	-5	7	10000	6	2750	-2	15	12	600	10	2	-5	.	-2	-5	40
98	AG039	36.4456	81.1486	0.1	0.2		120	1.5	100	7	6	7	9000	9	1500	-2	90	12	600	-10	2	-5	.	-2	-5	30
99	AG040	36.4604	81.1427	0.6	0.4	1	107	1.5	100	7	9	6	9000	6	2450	-2	40	12	600	-10	5	-5	.	-2	-5	32
100	AG041	36.4522	81.1076	0.5	0.4		60	1.0	-100	5	9	9	11000	14	2350	-2	25	12	600	-10	1	-5	.	-2	-5	30
101	AG042	36.4728	81.1161	1.4	0.7	0	65	1.5	100	-5	-5	7	9000	8	900	2	30	5	300	-10	-1	-5	.	-2	-5	28
102	AG043	36.4771	81.1199	2.1	0.5		52	1.5	300	-5	-5	8	7000	5	2950	-2	75	-5	300	-10	-1	-5	.	-2	-5	23
103	AG044	36.4668	81.0694	2.8	0.4	0	70	1.5	100	-5	-5	8	8000	8	1150	-2	35	5	300	-10	-1	-5	.	-2	5	23
104	AG045	36.4814	81.0519	0.3	0.2		140	1.5	-100	12	8	14	18000	19	6000	-2	30	20	700	10	3	-5	.	-2	-5	50
110	AG051	36.4604	81.0106	0.5	0.3		35	1.5	100	7	8	6	10000	11	2550	-2	20	12	600	-10	3	-5	.	-2	-5	30
113	AG054	36.4263	81.0207	0.7	0.3		15	1.0	-100	-5	-5	6	5000	10	1850	-2	25	12	500	-10	3	-5	.	-2	-5	20
115	AG056	36.3898	81.0287	0.1	0.1		7	1.5	-100	5	6	4	3000	7	4050	-2	50	10	400	-10	5	-5	.	-2	-5	15
250	AS001	36.2817	81.5070	1.5	-0.1	25	27	1.0	200	-5	8	8	12000	12	2250	-2	15	5	700	-10	1	-5	.	2	-5	25
251	AS002	36.2914	81.5531	1.0	0.2	1	117	0.5	300	5	18	7	5000	6	7450	-2	25	7	800	-10	4	-5	.	2	-5	22
252	AS003	36.3037	81.5186	0.7	0.2		25	1.0	100	7	8	7	10000	8	3150	-2	15	-5	800	-10	1	-5	.	-2	-5	22
253	AS004	36.3286	81.4913	1.4	0.2	0	102	1.0	500	7	23	10	3000	-5	5450	2	35	12	800	-10	1	-5	.	2	-5	27

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab	#County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
254	AS005	36.3227	81.5195	1.0	0.4	0	110	2.0	100	5	8	9	17000	10	2700	-2	5	7	900	-10	-1	5	.	-2	-5	40
255	AS006	36.3543	81.5301	0.7	0.2	0	167	1.0	200	5	15	12	2000	5	4950	-2	10	7	800	-10	1	-5	.	-2	5	30
256	AS007	36.3360	81.5561	0.3	0.2	0	132	0.5	500	5	14	17	1000	5	7450	-2	10	7	900	-10	-1	15	.	-2	-5	22
257	AS008	36.3153	81.6040	0.3	0.2	0	177	1.0	700	7	20	11	2000	-5	5950	-2	15	7	900	10	1	-5	.	-2	-5	27
258	AS009	36.3619	81.6035	0.6	0.4	0	230	1.0	200	7	19	19	2000	-5	3450	-2	30	10	900	-10	1	-5	.	-2	-5	30
259	AS010	36.4035	81.6220	0.3	0.2	0	277	0.5	700	5	19	15	1000	-5	5950	-2	15	7	800	-10	-1	-5	.	-2	-5	20
260	AS011	36.3948	81.6053	0.3	0.2	0	175	0.5	800	5	20	16	1000	5	7950	-2	20	7	800	-10	2	-5	.	-2	-5	25
261	AS012	36.4155	81.5615	0.6	0.3	1	232	0.5	800	5	20	16	1000	-5	4900	-2	15	10	800	-10	1	5	.	-2	5	22
262	AS013	36.3968	81.5301	1.0	0.3	0	150	1.0	600	10	17	13	2000	-5	4950	2	25	7	900	-10	1	5	.	-2	5	27
263	AS014	36.4270	81.5281	0.6	-0.1	0	192	0.5	1100	7	19	16	1000	-5	5950	-2	20	7	1000	-10	2	-5	.	-2	5	27
264	AS015	36.4319	81.5039	0.5	0.2	0	200	1.0	1300	7	15	15	3000	5	4950	2	10	5	1100	15	2	-5	.	-2	-5	32
265	AS016	36.4041	81.4896	0.3	0.5		150	0.5	1700	10	13	21	2000	-5	4950	2	15	7	1000	92	1	25	.	-2	-5	57
266	AS017	36.4193	81.4474	0.7	0.5	0	110	2.0	200	20	11	26	2000	-5	2650	-2	25	10	1000	15	2	-5	.	-2	5	57
267	AS018	36.4090	81.4194	1.0	0.3	0	125	1.0	800	10	14	13	2000	-5	2100	-2	25	7	1000	12	-1	10	.	-2	-5	37
268	AS019	36.3884	81.4429	1.0	0.3	0	87	1.0	300	10	14	17	3000	5	4350	-2	15	10	600	12	1	-5	.	-2	-5	42
269	AS020	36.3997	81.3713	1.1	0.4	2	52	2.0	100	10	10	11	15000	14	1700	-2	15	5	700	-10	1	-5	.	-2	5	42
270	AS021	36.3904	81.3250	1.4	0.4		120	1.5	200	12	9	32	10000	17	1850	-2	40	10	600	12	2	-5	.	-2	-5	50
271	AS022	36.4087	81.2651	0.7	0.2		55	1.0	200	7	8	8	9000	7	2150	-2	20	7	500	-10	1	-5	.	2	-5	32
272	AS023	36.3723	81.2879	1.4	0.3	1	40	1.5	200	7	6	15	9000	12	1450	-2	15	12	700	12	3	-5	.	-2	-5	55
273	AS024	36.3711	81.3959	1.0	0.4		110	1.5	200	5	9	8	14000	12	1500	-2	15	5	800	10	1	-5	.	-2	-5	47
274	AS025	36.3397	81.3948	0.3	0.3	1	140	1.0	200	7	7	11	15000	8	750	-2	5	10	700	12	2	-5	.	3	5	42
275	AS026	36.3083	81.3796	1.0	0.3		25	1.0	200	7	7	19	11000	8	3650	-2	5	7	700	-10	2	-5	.	3	-5	32
276	AS027	36.3091	81.3943	0.7	0.2	1	60	1.0	100	10	9	12	2000	11	2100	-2	10	10	800	-10	2	-5	.	-2	-5	37
277	AS028	36.3307	81.4296	0.7	0.2	0	57	1.0	300	-5	9	9	10000	5	2800	-2	15	5	900	-10	1	-5	.	-2	10	30
278	AS029	36.3732	81.4711	0.6	0.2	0	80	1.5	200	5	13	11	4000	-5	2850	-2	15	7	1000	-10	1	-5	.	-2	-5	30
279	AS030	36.3512	81.4687	1.0	0.2	2	65	1.0	200	-5	11	11	13000	2	4950	-2	25	7	800	10	1	-5	.	2	-5	30
280	AS031	36.3027	81.4605	0.7	-0.1	1	55	1.0	200	5	10	10	11000	9	2500	-2	5	10	800	10	1	-5	.	-2	-5	30
281	AS032	36.2650	81.4555	0.7	0.3	0	102	0.5	100	5	8	10	14000	11	2700	-2	15	7	500	10	1	-5	.	-2	15	32
282	AS033	36.2569	81.4835	1.2	0.3	0	117	1.0	-100	7	7	9	13000	11	2350	-2	15	7	900	-10	1	-5	.	-2	-5	30
283	AS034	36.3736	81.6701	0.3	0.2	0	57	1.0	800	7	15	16	3000	-5	5450	-2	20	7	1000	12	2	-5	.	2	5	37
284	AS035	36.4083	81.7255	0.9	0.3	0	142	1.0	1300	10	9	7	6000	-5	1800	-2	15	10	1200	10	1	-5	.	-2	-5	62
285	AS036	36.4089	81.6853	1.4	0.3		105	1.0	1100	7	9	7	8000	-5	3350	-2	15	7	1100	-10	1	-5	.	-2	15	47
286	AS037	36.4292	81.6898	1.4	0.2		152	1.0	1400	7	7	10	8000	-5	3250	-2	20	10	1300	15	3	-5	.	-2	15	50
287	AS038	36.4404	81.6620	0.9	0.2	0	117	1.5	900	15	10	13	10000	-5	1700	-2	15	17	1000	12	1	-5	.	-2	-5	80

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
288	AS039	36.4243	81.6268	0.3	0.2	0	137	0.5	700	5	8	10	6000	-5	1950	-2	15	5	800	10	2	-5	.	-2	5	45
289	AS040	36.4673	81.6801	0.3	0.3	0	330	1.0	1100	12	6	11	9000	-5	2700	-2	10	15	1100	10	1	-5	.	2	5	57
290	AS041	36.4689	81.6401	0.3	0.5	0	172	1.0	1200	12	9	11	8000	-5	2550	-2	15	15	1900	12	2	-5	.	-2	-5	60
291	AS042	36.4900	81.6500	1.5	0.2	1	227	1.5	400	7	6	12	14000	-5	1600	-2	15	5	1200	12	4	-5	.	-2	-5	50
292	AS043	36.4941	81.6860	2.6	0.2	0	402	1.5	400	-5	6	7	20000	5	800	-2	20	-5	800	15	2	5	.	3	-5	45
293	AS044	36.4743	81.6159	0.6	0.5	0	242	1.5	1500	12	7	14	8000	-5	950	-2	5	12	1300	12	-1	5	.	-2	-5	70
294	AS045	36.4580	81.5592	0.3	0.2	0	127	1.5	1400	10	10	20	6000	-5	5450	-2	10	12	1200	12	1	15	.	-2	-5	55
295	AS046	36.4857	81.5882	0.9	0.4	0	130	1.0	600	12	8	9	9000	-5	3850	-2	10	10	1100	12	1	-5	.	-2	-5	65
296	AS047	36.4642	81.5393	1.1	0.4		125	1.0	600	10	7	10	6000	-5	2150	-2	5	10	900	10	1	-5	.	-2	-5	47
297	AS048	36.4802	81.4732	0.6	0.4	0	187	1.0	900	12	15	22	10000	-5	1500	-2	10	15	1000	15	1	-5	.	2	10	67
312	AS063	36.4702	81.4386	0.3	0.4	1	45	0.5	600	7	19	20	1000	-5	5700	-2	-5	10	600	10	-1	-5	.	-2	-5	25
314	AS065	36.4746	81.4070	0.3	0.2	1	110	1.0	-100	20	12	27	-1000	5	4450	2	25	15	600	-10	-1	-5	.	2	10	35
315	AS066	36.4299	81.3980	0.3	0.5	1	92	1.0	100	5	12	10	4000	-5	2850	2	25	7	1000	-10	-1	-5	.	2	15	35
317	AS067	36.4251	81.3171	0.3	0.3		82	1.0	-100	5	7	4	10000	11	2300	2	10	5	700	-10	-1	-5	.	-2	5	22
318	AS068	36.4400	81.2949	0.7	0.4	0	162	1.5	-100	5	7	9	9000	12	2400	-2	15	10	700	-10	-1	-5	.	2	35	45
319	AS069	36.4723	81.3239	1.3	-0.1		75	1.0	-100	-5	8	5	9000	-5	3000	3	25	5	900	-10	1	-5	.	-2	20	27
320	AS070	36.4618	81.3535	0.7	0.4	1	120	2.0	-100	10	9	12	6000	7	4450	-2	30	12	900	-10	-1	-5	.	-2	10	40
322	AS072	36.4919	81.3781	1.0	-0.1		117	1.5	-100	7	11	9	7000	-5	2200	2	25	7	1000	-10	3	-5	.	-2	25	42
333	AV006	36.0357	81.9934	.	-0.5		100	2.0	.	9	5	10	7000	5	550	-5	100	10	500	-10		-5	.	3	5	38
336	AV009	36.0662	81.9862	.	-0.5		148	1.5	.	12	-5	11	11000	-5	2200	-5	35	8	500	-10		5	.	-2	-5	43
337	AV010	36.0584	81.9662	.	-0.5		163	1.5	.	15	-5	20	4000	-5	2150	-5	60	11	400	-10		5	.	-2	20	38
338	AV011	36.1028	81.9869	.	-0.5		218	1.5	.	16	-5	16	11000	5	3150	-5	40	8	1100	10		20	.	-2	10	53
339	AV012	36.1450	81.9669	.	-0.5		73	1.5	.	9	-5	7	21000	10	3000	-5	50	5	700	12		15	.	-2	15	53
340	AV013	36.1626	81.9891	.	-0.5		28	1.0	.	8	-5	8	24000	5	2300	-5	50	5	500	12		5	.	-2	25	53
341	AV014	36.1604	81.9816	.	-0.5		125	1.5	.	9	-5	8	19000	5	1450	-5	40	8	600	10		5	.	-2	10	63
342	AV015	36.1690	81.9628	.	-0.5		185	1.0	.	11	-5	10	18000	5	1200	-5	40	6	800	15		10	.	-2	45	65
343	AV016	36.1803	81.9605	.	-0.5		110	1.0	.	5	-5	6	29000	5	650	-5	110	5	500	12		-5	.	-2	40	80
344	AV017	36.1935	81.9692	.	0.5		190	1.5	.	8	-5	8	15000	5	1300	-5	45	7	1000	12		25	.	-2	15	63
347	AV020	36.0344	81.9108	.	-0.5		105	1.0	.	10	-5	8	16000	10	1400	-5	30	6	700	12		10	.	-2	5	53
348	AV021	36.0212	81.9226	.	-0.5		185	1.0	.	6	-5	8	12000	5	700	-5	35	5	500	-10		10	.	-2	-5	48
351	AV024	36.0211	81.9716	.	-0.5		80	0.5	.	13	-5	11	8000	5	2100	-5	90	10	500	-10		10	.	-2	5	25
352	AV025	36.0678	81.9242	.	0.5		210	1.0	.	15	-5	13	9000	5	1600	-5	40	14	600	10		-5	.	-2	5	60
353	AV026	36.0764	81.9160	.	-0.5		130	0.5	.	10	-5	9	23000	10	2350	-5	45	5	500	15		10	.	-2	10	50
354	AV027	36.0937	81.9136	.	-0.5		43	1.0	.	8	-5	6	22000	5	3750	-5	35	6	700	-10		10	.	-2	10	30

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
355	AV028	36.0822	81.9489	.	-0.5		68	1.0	.	16	-5	12	12000	5	5500	-5	40	12	800	-10		5	.	-2	10	58
356	AV029	36.0633	81.8603	.	-0.5		58	1.0	.	5	-5	7	23000	5	2200	-5	20	-5	400	-10		-5	.	-2	5	20
357	AV030	36.1109	81.8453	.	0.5		135	1.5	.	23	-5	14	13000	10	3100	-5	20	26	1100	15		-5	.	4	-5	70
358	AV031	36.1279	81.8271	.	0.7		185	3.5	.	27	-5	25	13000	25	3400	-5	35	34	.	17		5	.	4	5	130
359	AV032	36.1446	81.8607	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.		.
360	AV033	36.1542	81.8573	.	0.5		273	1.5	.	32	-5	19	7000	10	2550	-5	40	24	.	12		-5	.	-2	-5	83
361	AV034	36.1715	81.8478	.	-0.5		203	2.0	.	10	-5	10	28000	10	3150	-5	25	8	700	17		15	.	-2	20	73
362	AV035	36.1643	81.8990	.	-0.5		178	2.5	.	12	-5	12	27000	10	2200	-5	20	8	600	25		15	.	-2	15	80
363	AV036	36.1715	81.9138	.	-0.5		140	2.0	.	7	-5	11	24000	10	2600	-5	85	11	1200	25		10	.	-2	30	65
364	AV037	36.1614	81.9562	.	-0.5		158	1.5	.	10	-5	9	15000	5	1900	-5	45	10	700	15		5	.	-2	10	58
365	AV038	36.2589	81.9006	.	-0.5		298	4.5	.	10	-5	9	38000	10	850	-5	45	-5	500	22		5	.	4	15	78
366	AV039	36.2387	81.9038	.	-0.5		205	11.0	.	10	-5	8	40000	10	400	-5	155	5	500	22		25	.	5	15	105
367	AV040	36.0907	81.8020	.	-0.5		63	2.0	.	12	-5	13	19000	10	2000	-5	15	12	1100	10		10	.	-2	10	50
368	AV041	36.0072	81.8527	.	-0.5		28	1.5	.	-5	-5	5	24000	5	2100	-5	20	-5	500	-10		-5	.	-2	10	20
370	AV043	36.0032	81.7799	.	-0.5		10	1.5	.	8	-5	8	18000	10	6500	-5	35	8	700	10		-5	.	-2	15	43
371	AV044	36.0179	81.7788	.	-0.5		8	1.0	.	5	-5	4	16000	5	2650	-5	20	-5	1000	-10		-5	.	-2	15	25
372	AV045	36.0321	81.8019	.	-0.5		15	0.5	.	14	-5	10	15000	10	8000	-5	35	9	1300	-10		5	.	-2	10	45
373	AV046	36.0589	81.7670	.	-0.5		8	1.5	.	7	-5	6	14000	10	2500	-5	15	-5	400	-10		10	.	-2	10	25
374	AV047	36.0584	81.7702	.	-0.5		13	1.5	.	8	-5	7	14000	10	5100	-5	25	10	600	-10		5	.	-2	5	35
375	AV048	36.0527	81.7761	.	-0.5		15	1.0	.	8	-5	5	19000	10	4050	-5	25	6	600	-10		-5	.	-2	5	28
768	CL001	36.1215	81.7762	1.6	0.4		190	1.5	200	-5	5	5	9000	-5	650	-2	15	-5	400	-10	-1	-5	.	-2	5	20
769	CL002	36.0044	81.7737	4.2	0.5	1	112	1.5	400	-5	6	5	11000	-5	2000	-2	30	5	1000	-10	-1	-5	.	-2	230	35
770	CL003	36.0235	81.7571	3.8	0.4	1	62	1.0	-100	-5	5	2	12000	-5	850	-2	10	-5	400	-10	-1	-5	.	-2	15	18
771	CL004	36.0971	81.7436	1.6	0.8	2	370	1.0	300	17	9	13	4000	-5	1200	-2	25	15	400	-10	-1	-5	.	-2	50	85
783	CL016	36.0103	81.4293	1.4	0.5	1	187	1.0	100	-5	7	3	7000	6	1350	-2	10	-5	300	-10	-1	-5	.	-2	5	18
784	CL017	36.0445	81.4296	1.5	0.3	2	152	1.0	200	-5	6	3	15000	11	1200	-2	15	-5	300	-10	-1	10	.	-2	45	20
785	CL018	36.0715	81.4496	1.4	0.3	1	70	1.0	100	-5	7	5	3000	7	900	-2	45	-5	300	-10	-1	10	.	-2	20	20
786	CL019	36.0520	81.4546	1.4	0.3		125	1.5	300	-5	8	9	7000	-5	2050	3	15	7	300	-10	-1	-5	.	-2	5	48
787	CL020	36.0350	81.4077	2.3	0.7	2	97	1.5	-100	-5	5	3	18000	13	600	2	15	-5	200	-10	-1	-5	.	-2	-5	23
790	CL023	36.0214	81.3440	2.8	0.6	1	72	1.0	400	-5	7	4	6000	5	1350	4	15	-5	200	-10	-1	-5	.	-2	-5	13
822	CL055	36.0220	81.4890	1.4	0.5	2	217	1.5	200	-5	6	3	16000	10	450	-2	15	-5	300	-10	-1	-5	.	-2	5	25
823	CL056	36.0376	81.5188	1.4	0.5	1	82	1.5	400	5	9	4	5000	5	800	-2	35	-5	200	-10	-1	10	.	-2	5	23
824	CL057	36.0929	81.5207	2.3	0.7	1	367	1.5	600	5	7	5	7000	-5	650	-2	20	-5	400	-10	-1	-5	.	-2	10	45
825	CL058	36.0927	81.5296	1.7	0.5	1	122	2.0	400	5	8	5	12000	-5	1450	2	15	-5	400	-10	-1	10	.	-2	15	38

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
826	CL059	36.0018	81.5389	1.4	0.8	2	237	1.5	700	10	8	11	6000	11	1150	-2	30	12	800	-10	-1	5	.	-2	-5	78
830	CL063	36.0392	81.5965	1.6	0.8	0	160	2.0	300	8	6	8	11000	8	650	-2	10	5	300	15	-1	-5	.	-2	-5	98
831	CL064	36.0759	81.5908	2.2	0.3	2	60	1.5	100	10	6	9	8000	7	1100	-2	10	12	300	-10	-1	-5	.	-2	-5	58
832	CL065	36.0991	81.5974	2.2	0.5	0	80	1.5	200	-5	5	5	8000	-5	800	3	10	-5	300	-10	-1	-5	.	-2	10	30
833	CL066	36.1195	81.6300	1.4	0.6	5	212	3.0	900	8	7	8	10000	8	1500	-2	25	-5	1000	12	-1	-5	.	-2	-5	78
834	CL067	36.1167	81.6430	4.5	0.8	1	312	3.0	800	8	6	7	11000	8	650	-2	25	5	900	25	-1	-5	.	-2	-5	95
835	CL068	36.0530	81.6477	3.5	0.5	2	185	2.0	400	-5	5	5	10000	6	500	2	20	-5	400	-10	-1	-5	.	-2	15	40
836	CL069	36.0589	81.6427	1.3	0.4	2	157	2.0	600	-5	6	5	10000	5	1450	4	20	-5	600	-10	-1	-5	.	-2	-5	50
837	CL070	36.0215	81.6530	3.1	0.4	2	155	1.5	300	-5	5	4	10000	6	1300	3	20	-5	300	-10	-1	-5	.	-2	10	38
838	CL071	36.0033	81.6389	1.4	0.3	0	152	1.5	300	-5	5	5	9000	5	550	-2	20	-5	300	-10	-1	-5	.	-2	10	35
845	CL078	36.0408	81.7117	1.6	0.7	1	190	1.5	100	-5	5	3	11000	-5	450	-2	25	-5	200	-10	-1	-5	.	-2	-5	23
846	CL079	36.0612	81.7134	1.5	0.6	2	140	1.5	300	-5	5	5	8000	-5	900	-2	25	-5	300	-10	-1	-5	.	-2	-5	30
847	CL080	36.0867	81.7061	2.9	0.8	2	170	2.0	500	8	6	7	11000	6	650	-2	30	10	400	-10	-1	-5	.	-2	-5	70
848	CL081	36.0898	81.6853	4.5	0.9	1	192	2.5	700	5	6	5	11000	7	1450	3	20	-5	500	-10	-1	-5	.	-2	5	60
849	CL082	36.0992	81.6887	6.2	0.6		162	2.5	500	5	8	7	11000	7	1250	-2	20	-5	600	-10	-1	-5	.	-2	10	58
4197	WL001	36.0969	81.1988	1.3	0.4	1	57	0.5	100	-5	10	5	5000	-5	450	-2	25	-5	800	-10	2	-5	.	-2	5	8
4198	WL002	36.1003	81.1664	0.7	0.5	1	75	1.0	200	-5	10	8	7000	6	450	-2	5	-5	500	-10	3	-5	.	-2	-5	23
4199	WL003	36.0663	81.1737	1.0	0.8	10	632	0.5	100	-5	43	5	1000	9	500	-2	20	8	500	-10	3	-5	.	-2	-5	20
4200	WL004	36.0708	81.2187	1.4	0.7	7	80	0.5	200	-5	10	10	7000	10	950	2	40	5	500	-10	3	-5	.	2	145	30
4201	WL005	36.0705	81.2282	0.9	0.6	0	125	1.0	100	-5	10	7	7000	8	1500	-2	25	5	1200	-10	7	-5	.	-2	-5	25
4202	WL006	36.0820	81.2679	1.4	0.5		207	0.5	-100	-5	9	3	7000	-5	950	-2	15	-5	100	-10	1	-5	.	-2	10	8
4203	WL007	36.0546	81.2682	2.8	0.6	1	35	0.5	-100	-5	8	3	4000	-5	1550	-2	15	-5	1000	-10	1	-5	.	-2	15	5
4204	WL008	36.0478	81.2982	1.6	0.6		160	0.5	-100	-5	8	4	10000	5	1300	-2	5	-5	1200	-10	2	-5	.	-2	5	13
4205	WL009	36.0358	81.3482	1.2	0.6		180	0.5	300	-5	10	4	3000	-5	1400	-2	5	-5	1200	-10	1	20	.	-2	15	8
4206	WL010	36.0754	81.3441	1.2	0.3	0	182	1.0	200	-5	5	6	5000	10	1350	-2	15	-5	200	-10	-1	10	.	-2	15	15
4207	WL011	36.0769	81.3922	1.2	0.6	0	117	1.0	300	8	7	6	3000	-5	1950	-2	10	-5	1000	-10	1	-5	.	-2	-5	5
4208	WL012	36.0900	81.4182	1.4	0.6	0	27	1.0	-100	5	6	5	3000	8	2400	-2	40	-5	800	-10	-1	-5	.	-2	10	20
4209	WL013	36.1086	81.4417	1.2	0.4		.	.	200	-5	.	6	.	.	.	.	.	-5	.	-10		.	.	.		30
4210	WL014	36.1196	81.4741	1.4	0.5	1	140	1.5	300	5	9	3	1000	-5	1450	-2	40	-5	1000	-10	1	5	.	-2	5	28
4211	WL015	36.1204	81.5060	1.1	0.6	1	40	2.5	200	5	6	5	6000	6	2150	-2	35	-5	1000	-10	1	-5	.	-2	15	73
4212	WL016	36.1263	81.4971	1.2	0.8		177	2.0	500	8	8	8	8000	-5	600	-2	40	7	700	-10	-1	-5	.	-2	-5	40
4213	WL017	36.1063	81.3672	1.2	0.3	1	100	1.0	100	-5	7	5	10000	7	750	-2	30	-5	700	-10	-1	-5	.	2	10	23
4214	WL018	36.1234	81.3760	1.1	0.6	1	35	1.0	100	8	6	6	7000	6	1000	2	35	-5	700	-10	1	10	.	2	-5	20
4215	WL019	36.1343	81.3959	1.2	0.5		17	1.0	100	5	8	8	3000	5	1100	3	40	5	700	-10	2	-5	.	2	-5	23

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4216	WL020	36.1522	81.4318	1.2	0.8	0	27	1.0	100	10	8	12	3000	6	1450	-2	40	7	600	-10	4	-5	.	3	5	25
4217	WL021	36.1510	81.4660	1.2	0.5	0	135	1.5	200	8	10	9	9000	8	900	2	30	7	800	-10	-1	10	.	-2	5	38
4219	WL022	36.1650	81.4617	1.4	0.5	1	297	0.5	100	8	7	10	10000	7	600	-2	40	5	800	10	2	10	.	-2	10	40
4218	WL022	36.1650	81.4617	1.4	0.5	1	297	0.5	100	8	7	10	10000	7	600	-2	40	5	800	10	2	10	.	-2	10	40
4220	WL023	36.0982	81.3136	1.4	0.7		312	1.0	100	5	6	7	14000	10	800	-2	40	5	600	-10	-1	-5	.	-2	-5	38
4221	WL023	36.0982	81.3136	1.4	0.7		312	1.0	100	5	6	7	14000	10	800	-2	40	5	600	-10	-1	-5	.	-2	-5	38
4222	WL024	36.1037	81.2555	1.2	0.6	0	82	0.5	100	5	6	5	12000	8	650	-2	25	-5	500	-10	-1	-5	.	-2	15	15
4223	WL024	36.1037	81.2555	1.2	0.6	0	82	0.5	100	5	6	5	12000	8	650	-2	25	-5	500	-10	-1	-5	.	-2	15	15
4224	WL025	36.1308	81.1343	1.2	0.4	0	65	0.5	100	5	7	5	11000	6	850	-2	20	-5	800	-10	1	10	.	-2	10	18
4225	WL026	36.1116	81.0837	1.2	0.7	0	47	1.5	100	5	9	5	13000	14	2050	-2	40	5	700	-10	-1	20	.	-2	10	20
4226	WL027	36.1011	81.0412	1.1	0.7		280	1.5	500	8	8	7	15000	13	500	-2	15	7	1000	-10	-1	-5	.	-2	5	35
4227	WL028	36.0891	81.0220	1.1	0.4	0	47	1.0	-100	5	7	3	15000	8	900	-2	5	-5	800	-10	1	5	.	-2	5	13
4233	WL034	36.1220	81.0096	1.2	0.6		157	1.5	-100	-5	7	5	13000	13	300	3	15	5	400	-10	-1	5	.	-2	15	20
4234	WL035	36.1483	81.0563	1.2	0.7		100	1.0	100	5	7	4	11000	8	550	3	25	-5	1000	-10	-1	-5	.	-2	10	15
4235	WL036	36.1423	81.0864	.	0.7		120	2.0	100	8	6	11	5000	19	950	-2	40	7	600	-10	-1	-5	.	-2	-5	40
4236	WL037	36.1609	81.0912	1.1	0.8	0	47	1.5	100	-5	6	4	8000	9	1050	-2	30	-5	800	-10	-1	10	.	-2	60	15
4237	WL038	36.1349	81.3118	1.2	0.5	0	122	1.5	-100	-5	8	3	7000	6	550	-2	25	-5	900	-10	1	-5	.	-2	10	13
4238	WL039	36.1247	81.3328	1.1	0.8	0	177	1.5	100	-5	8	5	7000	-5	350	2	30	-5	600	-10	1	-5	.	-2	100	15
4239	WL040	36.1711	81.3825	1.2	0.4		50	1.5	100	8	6	8	6000	8	800	-2	25	5	900	-10	-1	-5	.	-2	5	28
4240	WL041	36.1834	81.3814	1.2	0.6	0	127	1.0	100	-5	9	7	8000	6	550	-2	35	-5	900	-10	1	15	.	-2	5	18
4241	WL042	36.1931	81.4140	1.2	0.5	0	95	1.5	100	8	6	8	4000	7	750	5	40	5	800	-10	-1	-5	.	-2	10	28
4242	WL043	36.2249	81.4318	1.2	0.7	1	160	1.5	100	5	6	8	8000	5	450	2	40	5	800	-10	-1	-5	.	-2	-5	23
4243	WL044	36.2291	81.3721	1.2	0.8	1	100	2.0	100	8	6	6	9000	8	550	2	40	5	700	-10	2	-5	.	-2	15	23
4244	WL045	36.2608	81.3963	1.2	0.7		27	2.5	100	8	6	8	14000	17	2350	-2	25	-5	700	-10	1	-5	.	-2	-5	28
4245	WL046	36.2103	81.3454	1.2	0.2	0	50	1.5	100	5	-5	7	4000	14	800	4	-5	-5	700	-10	1	5	.	-2	10	28
4246	WL047	36.1936	81.2939	2.8	0.1	0	77	1.5	400	5	7	8	4000	5	950	13	10	-5	900	-10	1	-5	.	2	215	18
4247	WL048	36.1678	81.3310	2.5	0.4	1	107	1.5	200	-5	6	8	8000	9	1550	2	25	-5	700	-10	-1	5	.	-2	95	25
4248	WL049	36.2343	81.2621	1.1	0.2	0	117	1.5	300	-5	8	8	5000	6	500	4	25	-5	900	-10	1	-5	.	-2	5	15
4249	WL050	36.2365	81.2483	1.2	0.1		150	1.5	100	5	-5	7	11000	7	650	2	15	-5	800	-10	-1	-5	.	-2	-5	18
4250	WL051	36.2592	81.3245	1.9	0.2	2	25	1.5	100	-5	6	7	3000	14	1500	-2	45	-5	1000	-10	-1	10	.	-2	30	18
4251	WL052	36.2649	81.2976	1.8	0.4		60	2.0	100	5	6	8	7000	16	3200	-2	50	-5	800	-10	-1	5	.	-2	-5	20
4252	WL053	36.2986	81.3213	1.1	0.3	0	55	1.5	100	-5	6	8	5000	14	2650	-2	40	-5	800	-10	-1	-5	.	2	5	20
4253	WL054	36.3232	81.3299	1.1	0.7		135	2.0	300	8	5	10	7000	10	700	-2	50	5	700	-10	1	10	.	2	-5	28
4254	WL055	36.2907	81.2503	1.2	0.4	0	367	2.0	100	5	-5	10	12000	7	1600	-2	35	5	800	-10	1	20	.	-2	-5	28

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4255	WL056	36.2796	81.2664	1.2	0.5	1	155	1.5	400	8	7	13	8000	9	800	2	50	10	900	-10	-1	10	.	-2	5	38
4256	WL057	36.2932	81.2813	1.1	0.3		152	1.5	200	-5	7	6	6000	9	800	3	40	-5	900	-10	-1	-5	.	-2	5	18
4257	WL058	36.3104	81.2885	1.2	0.5	1	7	1.5	200	5	6	7	3000	11	2050	5	40	-5	700	-10	-1	-5	.	2	-5	18
4258	WL059	36.3194	81.3012	1.1	0.4	0	45	2.0	300	5	5	10	6000	10	1200	2	40	10	900	-10	2	5	.	-2	5	30
4259	WL060	36.2898	81.2724	1.1	0.6		52	1.0	200	-5	5	8	5000	7	700	-2	30	-5	500	-10	-1	-5	.	2	10	18
4260	WL061	36.3293	81.2269	1.1	0.4		15	1.5	100	5	5	9	4000	9	1300	-2	20	-5	600	-10	-1	-5	.	2	-5	23
4261	WL062	36.3552	81.2070	1.1	0.6	0	45	1.5	-100	10	6	15	2000	11	1300	-2	50	5	700	-10	-1	15	.	-2	-5	43
4262	WL063	36.3382	81.1486	1.1	0.8	0	70	1.5	100	-5	5	6	7000	8	1950	-2	15	-5	1000	-10	-1	-5	.	-2	-5	20
4263	WL064	36.3592	81.1724	1.1	0.6	2	47	1.0	100	5	5	8	3000	10	2000	-2	40	5	700	-10	-1	-5	.	-2	-5	25
4264	WL065	36.3698	81.1523	1.2	0.4	1	40	1.0	100	8	5	10	4000	11	1000	2	35	-5	700	-10	1	5	.	-2	10	25
4265	WL066	36.3750	81.1453	1.2	0.4		35	2.0	400	8	6	12	5000	10	1800	7	100	10	1000	-10	1	5	.	2	-5	28
4266	WL067	36.3807	81.1289	1.1	0.5	0	40	1.0	100	-5	-5	5	2000	8	1000	-2	35	-5	700	-10	-1	15	.	-2	-5	13
4267	WL068	36.3648	81.1240	1.2	0.7		42	1.5	200	5	5	9	5000	7	650	-2	75	-5	1000	-10	1	15	.	-2	-5	25
4268	WL069	36.3806	81.0685	1.1	0.2		32	1.5	100	-5	5	6	8000	9	1650	2	50	-5	1000	-10	1	5	.	-2	-5	18
4269	WL070	36.3985	81.0624	1.2	0.3		37	1.0	200	8	6	9	5000	8	850	2	40	5	1000	-10	-1	15	.	-2	10	23
4270	WL071	36.3666	81.0575	1.1	0.6		25	1.5	-100	-5	7	4	8000	10	1800	-2	25	-5	400	-10	-1	-5	.	-2	-5	13
4271	WL072	36.3532	81.1052	1.4	0.3	0	235	1.5	-100	-5	5	4	8000	6	700	2	15	-5	600	-10	1	-5	.	-2	10	10
4272	WL073	36.3241	81.0896	1.2	0.4		67	1.0	100	-5	5	4	6000	7	750	4	35	-5	500	-10	-1	-5	.	-2	-5	13
4273	WL074	36.2961	81.1479	1.2	0.4	1	60	1.5	-100	-5	5	5	9000	7	500	-2	25	-5	1000	-10	1	-5	.	-2	15	15
4274	WL075	36.2954	81.2147	1.0	0.6	1	277	1.5	-100	-5	-5	5	9000	6	350	-2	25	-5	1000	-10	-1	-5	.	-2	-5	13
4277	WL078	36.1834	81.0530	1.1	0.3		80	1.0	200	-5	-5	3	4000	7	500	-2	45	-5	1000	-10	-1	15	.	-2	70	10
4302	WL097	36.3517	81.0104	0.6	0.6	0	137	1.5	200	8	6	13	4000	8	800	-2	25	7	900	10	-1	-5	.	-2	-5	38
4303	WL097	36.3517	81.0104	0.6	0.6	0	137	1.5	200	8	6	13	4000	8	800	-2	25	7	900	10	-1	-5	.	-2	-5	38
4304	WL098	36.3417	81.0357	0.7	0.5		405	1.5	-100	-5	8	3	12000	6	1450	-2	10	-5	800	-10	-1	-5	.	-2	5	8
4305	WL098	36.3417	81.0357	0.7	0.5		405	1.5	-100	-5	8	3	12000	6	1450	-2	10	-5	800	-10	-1	-5	.	-2	5	8
4306	WL099	36.3194	81.0513	0.5	0.3	0	115	1.5	100	-5	7	4	6000	11	300	-2	15	-5	900	-10	1	-5	.	-2	5	13
4307	WL099	36.3194	81.0513	0.5	0.3	0	115	1.5	100	-5	7	4	6000	11	300	-2	15	-5	900	-10	1	-5	.	-2	5	13
4309	WL100	36.3105	81.0233	0.5	0.6	0	50	1.0	100	5	6	4	3000	9	850	-2	15	-5	700	-10	-1	-5	.	-2	10	13
4308	WL100	36.3105	81.0233	0.5	0.6	0	50	1.0	100	5	6	4	3000	9	850	-2	15	-5	700	-10	-1	-5	.	-2	10	13
4311	WL101	36.2807	81.0360	0.5	0.5	0	90	1.0	100	-5	10	6	5000	11	1300	7	15	-5	900	-10	-1	10	.	-2	5	20
4310	WL101	36.2807	81.0360	0.5	0.5	0	90	1.0	100	-5	10	6	5000	11	1300	7	15	-5	900	-10	-1	10	.	-2	5	20
4316	WL104	36.2277	81.0081	0.5	0.6	0	122	1.0	100	-5	7	5	6000	11	500	-2	35	-5	700	-10	-1	5	.	-2	15	20
4317	WL104	36.2277	81.0081	0.5	0.6	0	122	1.0	100	-5	7	5	6000	11	500	-2	35	-5	700	-10	-1	5	.	-2	15	20
4319	WL105	36.1516	81.2133	0.6	0.5	0	80	1.0	-100	-5	10	5	5000	10	1550	-2	20	-5	700	-10	-1	-5	.	-2	5	18

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4318	WL105	36.1516	81.2133	0.6	0.5	0	80	1.0	-100	-5	10	5	5000	10	1550	-2	20	-5	700	-10	-1	-5	.	-2	5	18
4321	WL106	36.1617	81.1952	0.4	0.4	1	45	1.0	100	-5	7	5	2000	9	550	-2	-5	-5	800	-10	-1	-5	.	-2	5	20
4320	WL106	36.1617	81.1952	0.4	0.4	1	45	1.0	100	-5	7	5	2000	9	550	-2	-5	-5	800	-10	-1	-5	.	-2	5	20
4322	WL107	36.2032	81.2448	1.3	0.7	1	77	1.0	100	8	10	6	5000	7	1750	5	-5	-5	900	-10	-1	-5	.	2	135	20
4323	WL107	36.2032	81.2448	1.3	0.7	1	77	1.0	100	8	10	6	5000	7	1750	5	-5	-5	900	-10	-1	-5	.	2	135	20
4324	WL108	36.2455	81.2211	1.1	0.8	0	325	1.5	400	-5	7	8	11000	6	400	2	-5	5	1000	10	-1	-5	.	-2	-5	23
4325	WL108	36.2455	81.2211	1.1	0.8	0	325	1.5	400	-5	7	8	11000	6	400	2	-5	5	1000	10	-1	-5	.	-2	-5	23
4327	WL109	36.2680	81.2000	0.5	0.4	0	135	1.5	100	-5	6	7	10000	5	300	-2	-5	-5	800	-10	-1	-5	.	-2	-5	18
4326	WL109	36.2680	81.2000	0.5	0.4	0	135	1.5	100	-5	6	7	10000	5	300	-2	-5	-5	800	-10	-1	-5	.	-2	-5	18
4329	WL110	36.2600	81.1539	1.1	0.7	0	180	1.5	200	5	8	6	9000	5	450	4	15	-5	900	-10	-1	-5	.	-2	15	15
4328	WL110	36.2600	81.1539	1.1	0.7	0	180	1.5	200	5	8	6	9000	5	450	4	15	-5	900	-10	-1	-5	.	-2	15	15
4331	WL111	36.2370	81.1324	1.2	0.6		237	1.0	100	-5	8	6	7000	5	350	-2	30	-5	1000	-10	-1	-5	.	-2	10	13
4330	WL111	36.2370	81.1324	1.2	0.6		237	1.0	100	-5	8	6	7000	5	350	-2	30	-5	1000	-10	-1	-5	.	-2	10	13
4332	WL112	36.2185	81.1364	0.7	0.5	0	147	1.0	100	-5	9	6	5000	6	400	-2	10	-5	500	-10	-1	5	.	-2	-5	18
4333	WL112	36.2185	81.1364	0.7	0.5	0	147	1.0	100	-5	9	6	5000	6	400	-2	10	-5	500	-10	-1	5	.	-2	-5	18
4335	WL113	36.2034	81.1790	0.6	0.8	0	145	1.0	100	-5	7	7	4000	6	1150	5	10	-5	500	-10	-1	5	.	-2	5	18
4334	WL113	36.2034	81.1790	0.6	0.8	0	145	1.0	100	-5	7	7	4000	6	1150	5	10	-5	500	-10	-1	5	.	-2	5	18
4336	WL114	36.2431	81.1952	0.8	0.7	0	232	1.0	100	5	8	8	6000	6	550	-2	10	-5	500	-10	-1	20	.	2	5	20
4337	WL115	36.2073	81.0769	0.7	0.7	0	70	1.0	100	-5	8	5	2000	11	700	-2	-5	-5	500	-10	-1	-5	.	-2	-5	18
4338	WL116	36.2031	81.0871	0.7	0.6	0	67	1.0	100	-5	9	6	3000	13	900	2	25	-5	700	-10	-1	-5	.	-2	10	20
4339	WL117	36.0329	81.0910	0.6	1.0		137	1.0	200	5	11	6	8000	13	850	2	20	-5	700	-10	-1	5	.	-2	10	28
4340	WL118	36.0339	81.0600	0.6	0.8	0	185	1.5	400	-5	9	5	10000	11	750	-2	20	-5	1000	-10	-1	-5	.	-2	5	23
4341	WL119	36.0572	81.0783	1.2	0.5	0	72	1.5	200	-5	11	4	16000	17	3300	3	-5	-5	500	-10	-1	-5	.	-2	5	25
4421	WT001	36.2141	81.7093	2.2	0.8		247	2.5	800	10	-5	7	12000	-5	650	-2	40	7	800	-10	-1	10	.	-2	-5	88
4422	WT001	36.2141	81.7093	2.2	0.8		247	2.5	800	10	-5	7	12000	-5	650	-2	40	7	800	-10	-1	10	.	-2	-5	88
4423	WT002	36.1983	81.7390	2.0	0.6	1	242	2.0	2200	10	-5	10	6000	-5	550	-2	25	7	600	10	2	5	.	-2	5	88
4424	WT002	36.1983	81.7390	2.0	0.6	1	242	2.0	2200	10	-5	10	6000	-5	550	-2	25	7	600	10	2	5	.	-2	5	88
4426	WT003	36.1786	81.7462	2.2	0.4	2	95	2.5	600	5	-5	5	18000	15	1450	-2	25	5	400	27	-1	15	.	-2	-5	48
4425	WT003	36.1786	81.7462	2.2	0.4	2	95	2.5	600	5	-5	5	18000	15	1450	-2	25	5	400	27	-1	15	.	-2	-5	48
4427	WT004	36.1561	81.7711	1.1	0.3	7	270	3.0	600	10	-5	13	10000	11	900	-2	40	10	600	15	-1	10	.	2	-5	90
4428	WT004	36.1561	81.7711	1.1	0.3	7	270	3.0	600	10	-5	13	10000	11	900	-2	40	10	600	15	-1	10	.	2	-5	90
4429	WT005	36.1453	81.7690	1.4	0.5	1	167	2.0	500	10	-5	14	9000	6	450	-2	50	5	600	-10	-1	-5	.	-2	10	65
4430	WT005	36.1453	81.7690	1.4	0.5	1	167	2.0	500	10	-5	14	9000	6	450	-2	50	5	600	-10	-1	-5	.	-2	10	65
4431	WT006	36.1451	81.7968	2.6	0.4	7	237	3.0	800	10	-5	12	9000	8	550	2	50	10	600	10	1	10	.	-2	5	83

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4432	WT006	36.1451	81.7968	2.6	0.4	7	237	3.0	800	10	-5	12	9000	8	550	2	50	10	600	10	1	10	.	-2	5	83
4434	WT007	36.1975	81.7819	2.2	0.4	0	132	2.0	200	8	-5	10	11000	8	3550	-2	30	7	300	-10	-1	-5	.	2	-5	35
4433	WT007	36.1975	81.7819	2.2	0.4	0	132	2.0	200	8	-5	10	11000	8	3550	-2	30	7	300	-10	-1	-5	.	2	-5	35
4435	WT008	36.1912	81.7890	3.1	0.5	0	180	1.5	200	-5	-5	5	14000	6	600	-2	-5	5	400	-10	1	10	.	-2	-5	28
4436	WT008	36.1912	81.7890	3.1	0.5	0	180	1.5	200	-5	-5	5	14000	6	600	-2	-5	5	400	-10	1	10	.	-2	-5	28
4438	WT009	36.1763	81.7985	3.6	0.6	0	160	2.0	400	10	-5	8	11000	-5	2000	3	35	10	500	12	-1	10	.	-2	10	50
4437	WT009	36.1763	81.7985	3.6	0.6	0	160	2.0	400	10	-5	8	11000	-5	2000	3	35	10	500	12	-1	10	.	-2	10	50
4439	WT010	36.1997	81.8089	3.1	0.8	0	352	2.0	600	8	-5	8	13000	-5	650	3	40	5	500	10	2	-5	.	-2	5	65
4440	WT010	36.1997	81.8089	3.1	0.8	0	352	2.0	600	8	-5	8	13000	-5	650	3	40	5	500	10	2	-5	.	-2	5	65
4441	WT011	36.2060	81.8335	1.9	0.5		297	3.0	400	5	-5	4	19000	5	500	-2	35	-5	300	-10	-1	15	.	-2	5	40
4442	WT011	36.2060	81.8335	1.9	0.5		297	3.0	400	5	-5	4	19000	5	500	-2	35	-5	300	-10	-1	15	.	-2	5	40
4444	WT012	36.2321	81.8498	2.3	0.3	1	232	3.5	200	-5	12	3	19000	5	1400	2	25	-5	400	-10	-1	15	.	-2	-5	33
4443	WT012	36.2321	81.8498	2.3	0.3	1	232	3.5	200	-5	12	3	19000	5	1400	2	25	-5	400	-10	-1	15	.	-2	-5	33
4446	WT013	36.2327	81.8190	12.5	0.2		222	7.5	500	5	-5	6	21000	9	2150	2	50	-5	300	12	1	20	.	2	-5	58
4445	WT013	36.2327	81.8190	12.5	0.2		222	7.5	500	5	-5	6	21000	9	2150	2	50	-5	300	12	1	20	.	2	-5	58
4448	WT014	36.2527	81.8149	0.1	0.3		270	1.5	-100	7	5	8	12000	-5	2450	-2	-5	12	700	40	5	-5	.	-2	-5	150
4447	WT014	36.2527	81.8149	0.1	0.3		270	1.5	-100	7	5	8	12000	-5	2450	-2	-5	12	700	40	5	-5	.	-2	-5	150
4449	WT015	36.2666	81.8532	0.1	0.3	1	225	2.0	100	5	5	4	14000	-5	1300	-2	5	7	600	10	1	-5	.	-2	-5	42
4450	WT015	36.2666	81.8532	0.1	0.3	1	225	2.0	100	5	5	4	14000	-5	1300	-2	5	7	600	10	1	-5	.	-2	-5	42
4451	WT016	36.2630	81.8934	0.2	0.3		272	1.0	-100	5	9	5	25000	5	1750	-2	50	7	600	22	1	-5	.	-2	-5	112
4452	WT016	36.2630	81.8934	0.2	0.3		272	1.0	-100	5	9	5	25000	5	1750	-2	50	7	600	22	1	-5	.	-2	-5	112
4453	WT017	36.2363	81.8904	0.3	0.1		300	2.0	-100	5	6	4	23000	5	2750	-2	15	7	500	17	4	-5	.	-2	-5	67
4454	WT017	36.2363	81.8904	0.3	0.1		300	2.0	-100	5	6	4	23000	5	2750	-2	15	7	500	17	4	-5	.	-2	-5	67
4456	WT018	36.2284	81.8771	0.3	0.3		157	2.0	100	15	9	8	7000	-5	3500	-2	15	17	700	15	2	-5	.	-2	-5	82
4455	WT018	36.2284	81.8771	0.3	0.3		157	2.0	100	15	9	8	7000	-5	3500	-2	15	17	700	15	2	-5	.	-2	-5	82
4457	WT019	36.2862	81.8789	0.2	0.2		180	2.0	200	5	11	3	10000	-5	2200	2	10	10	500	10	2	-5	.	-2	-5	30
4458	WT019	36.2862	81.8789	0.2	0.2		180	2.0	200	5	11	3	10000	-5	2200	2	10	10	500	10	2	-5	.	-2	-5	30
4460	WT020	36.3088	81.8534	0.2	0.3		187	2.0	700	12	10	8	10000	-5	5250	-2	25	15	700	12	4	-5	.	-2	-5	55
4459	WT020	36.3088	81.8534	0.2	0.3		187	2.0	700	12	10	8	10000	-5	5250	-2	25	15	700	12	4	-5	.	-2	-5	55
4461	WT021	36.2922	81.8249	0.1	0.2		217	2.5	-100	-5	8	3	25000	5	450	-2	30	10	500	20	1	-5	.	-2	-5	87
4462	WT021	36.2922	81.8249	0.1	0.2		217	2.5	-100	-5	8	3	25000	5	450	-2	30	10	500	20	1	-5	.	-2	-5	87
4463	WT022	36.2510	81.7858	0.4	0.4		97	3.3	-100	5	7	2	20000	-5	4330	-2	100	5	200	17	1	-5	.	-2	-5	72
4464	WT023	36.2234	81.7867	0.5	0.2	1	550	1.5	-100	5	5	2	35000	7	850	-2	20	5	600	15	-1	5	.	-2	-5	42
4465	WT024	36.2373	81.7487	0.3	0.2		185	1.0	-100	5	10	8	11000	6	1250	-2	15	7	600	15	3	-5	.	-2	-5	62

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4466	WT025	36.3338	81.8296	0.6	0.2	1	523	1.0	100	-5	10	2	19000	6	1000	-2	15	5	500	-10	1	-5	.	-2	-5	25
4467	WT026	36.3289	81.8172	0.3	0.3		450	1.5	-100	-5	8	4	22000	5	1300	-2	15	7	600	12	-1	-5	.	-2	-5	40
4468	WT027	36.2935	81.8138	0.4	0.3		135	1.0	-100	-5	6	2	18000	-5	300	8	25	5	600	10	-1	-5	.	-2	-5	52
4469	WT028	36.2868	81.7768	0.5	0.3	2	135	1.5	-100	10	10	7	12000	-5	2100	-2	10	10	600	-10	3	-5	.	-2	-5	55
4470	WT029	36.2857	81.7587	0.3	0.3	1	232	1.5	200	17	12	9	9000	-5	3450	-2	15	12	900	12	2	-5	.	-2	-5	50
4471	WT030	36.2660	81.7668	0.6	0.5		297	1.0	200	15	10	10	9000	-5	1950	-2	10	20	900	-10	2	-5	.	-2	-5	52
4472	WT031	36.3146	81.7570	0.9	0.5		182	1.5	-100	22	12	15	10000	-5	5500	-2	5	17	1000	12	1	-5	.	-2	-5	72
4473	WT032	36.3193	81.7715	1.0	0.3		347	2.0	100	7	22	5	18000	-5	4000	-2	15	10	800	12		-5	.	-2	-5	52
4474	WT033	36.3300	81.7483	.	0.3	1	35	1.5	600	10	6	12	5000	5	10000	-2	15	17	800	27	2	-5	.	-2	-5	47
4475	WT034	36.3680	81.7100	.	0.3	1	142	1.5	400	12	-5	10	8000	5	3650	-2	15	17	800	15	-1	-5	.	2	-5	57
4476	WT035	36.3531	81.6800	0.6	0.4	1	57	1.0	400	5	6	17	2000	5	8000	-2	10	12	600	17	-1	5	.	-2	-5	32
4477	WT036	36.3038	81.6840	0.4	0.4		42	1.0	-100	7	6	16	1000	-5	3900	-2	25	15	600	10	-1	-5	.	-2	-5	32
4478	WT037	36.2798	81.6798	10.6	0.3	0	25	1.0	-100	7	7	14	1000	7	9500	2	15	15	700	10	-1	-5	.	-2	-5	35
4479	WT038	36.2679	81.7146	0.4	0.4	1	60	1.5	-100	12	6	18	1000	-5	2000	-2	10	17	700	12	-1	-5	.	-2	-5	52
4480	WT039	36.2672	81.6569	1.1	0.2	4	195	1.5	-100	7	5	13	6000	-5	900	-2	5	12	500	-10	-1	-5	.	-2	-5	50
4481	WT040	36.3077	81.6047	1.0	0.3	1	42	1.0	-100	7	7	13	2000	-5	5250	-2	5	15	600	-10	3	-5	.	-2	-5	27
4482	WT041	36.3252	81.6259	0.7	0.2	1	27	1.0	-100	7	9	12	1000	-5	3750	-2	15	22	500	-10	-1	-5	.	-2	-5	25
4483	WT042	36.2884	81.6501	0.5	0.2	1	62	1.0	-100	5	8	11	1000	-5	6000	-2	10	15	600	-10	-1	-5	.	-2	-5	27
4484	WT043	36.2519	81.6171	1.5	0.3	1	70	1.0	-100	10	7	13	3000	-5	4500	-2	5	12	600	-10	-1	-5	.	-2	-5	35
4485	WT044	36.2679	81.5929	0.5	0.2	1	50	0.5	200	7	7	12	3000	-5	4200	-2	5	15	600	-10	4	-5	.	-2	-5	27
4486	WT045	36.2413	81.6625	3.1	0.2	2	105	2.0	-100	7	7	19	4000	-5	3150	-2	-5	17	700	10	2	-5	.	-2	-5	45
4487	WT046	36.2186	81.6395	2.0	0.2	1	140	2.0	-100	5	6	6	10000	6	1050	-2	-5	12	700	17	-1	-5	.	-2	-5	65
4488	WT047	36.1920	81.6881	1.7	0.2	2	167	2.0	-100	7	5	5	11000	25	700	-2	20	5	500	25	1	-5	.	-2	-5	25
4489	WT048	36.1718	81.6843	1.1	0.2	4	112	2.0	-100	5	6	3	9000	20	1850	-2	10	10	800	10	1	-5	.	-2	-5	30
4490	WT049	36.1379	81.7268	2.2	0.2	1	55	2.0	-100	-5	5	3	7000	14	750	-2	-5	15	600	10	-1	-5	.	-2	-5	35
4491	WT050	36.1253	81.7561	1.7	-0.1	1	47	1.5	-100	-5	5	-2	12000	11	1450	2	-5	7	500	-10	1	-5	.	-2	-5	7
4492	WT051	36.1372	81.6716	2.2	0.1	2	145	2.5	-100	10	5	7	13000	9	1750	-2	5	15	700	30	-1	-5	.	-2	-5	75
4493	WT052	36.1807	81.6456	1.8	0.3	1	120	2.0	100	5	5	3	15000	9	1750	-2	10	12	1000	15	-1	-5	.	-2	-5	47
4494	WT053	36.1930	81.6332	2.7	0.2	1	125	1.5	-100	-5	-5	2	11000	7	700	-2	5	7	400	-10	-1	-5	.	-2	-5	25
4495	WT054	36.1810	81.6101	1.6	0.1	1	132	1.5	100	-5	6	2	15000	9	1150	-2	10	12	400	12	1	-5	.	-2	-5	25
4496	WT055	36.1198	81.6289	1.6	0.3		205	2.0	200	7	5	6	9000	8	3050	-2	10	15	1100	17	-1	-5	.	-2	-5	62
4497	WT056	36.1204	81.5950	1.7	0.3	1	57	2.0	-100	7	5	8	9000	9	2400	-2	-5	17	500	12	-1	-5	.	-2	-5	45
4498	WT057	36.1402	81.5651	1.1	0.2	1	32	1.5	-100	-5	-5	3	13000	6	1250	-2	5	10	400	-10	1	-5	.	-2	-5	30
4499	WT058	36.1631	81.5029	2.1	0.2		135	2.0	-100	5	-5	3	14000	7	1600	-2	-5	10	500	-10	1	-5	.	-2	-5	32

BOONE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
4500	WT059	36.1917	81.5289	1.1	0.2	1	142	2.0	200	10	5	10	8000	6	2200	-2	-5	20	800	12	-1	-5	.	-2	-5	52
4501	WT060	36.2038	81.5592	1.6	0.2	2	.	.	100	5	.	5	.	.	.	-2	-5	12	.	-10	1	-5	.	-2	-5	30
4502	WT061	36.1990	81.5013	0.9	0.4	2	77	2.0	-100	5	5	13	7000	17	2000	-2	5	22	500	12	-1	-5	.	-2	-5	60
4503	WT062	36.2030	81.4695	0.9	0.3	1	150	2.0	100	5	6	10	13000	8	2900	-2	10	12	500	12	-1	-5	.	-2	-5	32
4504	WT063	36.2113	81.4647	2.4	0.1	1	112	2.0	100	10	-5	11	14000	10	3350	-2	5	17	600	20	-1	-5	.	-2	-5	45
4505	WT064	36.2501	81.5045	2.0	0.2	3	57	2.0	100	-5	-5	5	10000	11	1650	-2	5	10	500	-10	-1	-5	.	-2	-5	25
4506	WT065	36.2354	81.5222	1.1	0.2	2	52	2.0	-100	5	5	7	7000	10	2500	-2	-5	12	600	-10	-1	-5	.	-2	-5	30
4507	WT066	36.2665	81.5504	1.7	0.1		60	2.5	-100	5	6	7	8000	12	1100	-2	-5	15	600	-10	-1	-5	.	-2	-5	32
4508	WT067	36.2473	81.5778	1.9	0.1	8	25	1.5	100	5	-5	5	7000	15	2350	-2	5	12	600	-10	-1	-5	.	-2	-5	25
4509	WT068	36.2398	81.5947	1.1	0.2	2	65	0.5	-100	7	6	6	7000	9	1950	-2	5	12	600	10	5	-5	.	-2	-5	40

WYTHEVILLE QUAD - SUPPLEMENTAL SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
67	AG008	36.5433	81.0225	0.9	0.3	1	117	1.0	-100	7	7	7	8000	5	600	-2	20	17	400	-10	-1	-5	.	-2	-5	32
68	AG009	36.5436	81.0584	0.4	0.1		77	0.5	-100	5	10	5	8000	-5	2050	-2	15	22	600	-10	2	-5	.	-2	-5	35
69	AG010	36.5246	81.0704	0.9	0.2		57	1.5	-100	5	.	5	6000	5	1700	-2	30	12	.	-10	5	-5	.	-2	-5	25
70	AG011	36.5114	81.1051	0.5	0.2	1	110	1.0	-100	10	8	6	10000	7	1000	-2	15	17	500	10	2	-5	.	-2	-5	40
71	AG012	36.5141	81.1470	1.5	0.2		125	1.5	100	7	5	5	10000	13	2500	-2	10	12	500	-10	2	-5	.	-2	-5	40
83	AG024	36.5003	81.3091	0.9	0.3		97	1.0	100	7	7	10	7000	-5	1750	-2	15	12	600	10	4	-5	.	-2	-5	37
84	AG025	36.5158	81.3155	1.1	0.1	1	150	1.5	100	7	8	7	8000	-5	2300	-2	20	12	800	-10	1	-5	.	-2	-5	40
85	AG026	36.5599	81.3538	1.1	0.2		162	1.0	100	10	10	5	13000	-5	950	-2	15	15	800	-10	3	-5	.	-2	-5	37
86	AG027	36.5296	81.3287	1.2	0.4		345	2.0	500	10	7	11	8000	-5	600	-2	15	17	1600	-10	1	-5	.	-2	-5	62
87	AG028	36.5403	81.2598	1.0	0.2		22	1.5	-100	-5	6	5	5000	5	4150	-2	55	7	500	-10	5	-5	.	-2	-5	20
88	AG029	36.5485	81.2286	0.7	0.2		40	1.0	-100	5	7	7	7000	-5	1550	-2	15	7	400	-10	1	-5	.	-2	-5	32
89	AG030	36.5553	81.2178	0.7	0.2	1	70	1.0	-100	5	8	9	6000	-5	1200	-2	25	10	400	-10	5	-5	.	-2	-5	20
90	AG031	36.5658	81.2086	0.7	0.4	3	172	1.5	-100	7	12	10	12000	-5	1300	-2	5	17	400	10	4	-5	.	-2	-5	57
91	AG032	36.5443	81.1881	1.1	0.2	15	130	2.0	-100	5	5	5	10000	-5	700	3	5	12	600	-10	2	-5	.	-2	-5	35
92	AG033	36.5059	81.2243	0.1	0.4		215	1.5	-100	12	8	13	10000	5	2300	-2	15	15	500	15	3	-5	.	-2	-5	65
93	AG034	36.5111	81.2167	0.2	0.3		187	1.5	-100	5	5	5	9000	5	2250	-2	15	7	500	-10	5	-5	.	-2	-5	27
94	AG035	36.5199	81.2176	0.5	0.3		122	1.5	-100	7	5	12	10000	-5	1350	-2	10	10	600	12	5	-5	.	-2	-5	30
96	AG037	36.5577	81.1506	0.3	0.2		60	1.0	-100	7	6	8	10000	-5	2500	4	10	10	600	10	5	-5	.	-2	-5	45
105	AG046	36.5004	81.0377	0.2	0.1	1	137	1.5	-100	7	8	10	11000	9	3000	-2	60	15	500	-10	4	-5	.	-2	-5	32
106	AG047	36.5056	81.0047	0.5	0.1		72	2.0	-100	-5	8	5	11000	10	2650	-2	65	10	600	-10	1	-5	.	-2	-5	20
298	AS049	36.5004	81.4800	0.3	0.2	0	132	1.0	400	10	7	7	5000	-5	2500	-2	-5	7	1100	-10	-1	5	.	-2	-5	37
299	AS050	36.5187	81.5217	1.0	0.3		162	1.5	600	7	7	10	6000	-5	4150	-2	20	10	1000	17	1	-5	.	-2	20	62
300	AS051	36.5106	81.5464	0.3	0.5	0	157	1.0	600	15	8	11	14000	-5	2500	-2	20	10	1000	10	-1	-5	.	-2	10	47
301	AS052	36.5322	81.5068	0.3	0.5	1	122	1.5	800	10	8	10	6000	5	2600	-2	10	10	1000	15	1	-5	.	-2	-5	60
302	AS053	36.5527	81.4813	1.0	0.2	2	177	2.0	500	12	9	10	13000	-5	3250	2	15	12	1000	17	-1	-5	.	-2	-5	70
303	AS054	36.5892	81.6164	0.6	-0.1	0	245	1.5	300	-5	7	7	23000	6	2050	-2	15	-5	800	12	1	5	.	3	-5	30
304	AS055	36.5538	81.6130	1.2	0.3	0	502	2.5	200	-5	12	6	15000	8	1200	-2	15	-5	900	22	1	5	.	5	10	27
305	AS056	36.5297	81.5960	0.9	0.3	0	270	1.5	700	12	9	11	13000	-5	750	-2	5	12	900	15	1	-5	.	-2	-5	60
306	AS057	36.5463	81.6636	1.3	-0.1	2	347	1.5	500	10	8	21	6000	-5	950	-2	10	7	800	10	3	10	.	-2	5	35
307	AS058	36.5351	81.6721	1.2	-0.1	0	327	2.0	100	7	6	5	19000	10	500	-2	15	-5	700	-10	-1	-5	.	4	-5	52
308	AS059	36.5656	81.5364	0.6	0.2	3	310	1.5	500	5	9	11	16000	-5	800	-2	20	7	900	27	-1	-5	.	-2	-5	60
309	AS060	36.5779	81.5734	0.9	0.4	1	375	2.0	300	5	7	9	17000	5	550	-2	15	7	1000	22	-1	-5	.	3	5	62
310	AS061	36.5522	81.4409	1.5	0.3		217	1.5	600	10	7	6	7000	-5	750	-2	15	5	1000	12	1	-5	.	2	-5	45
311	AS062	36.5375	81.4214	1.2	-0.1	7	80	0.5	400	7	7	10	4000	5	1350	-2	5	10	1000	-10	1	-5	.	2	-5	50

WYTHEVILLE QUAD - SUPPLEMENTAL SEDIMENT

Lab #	County ID	Lat	Long	Ux ppm	Ag ppm	As ppm	Ba ppm	Be ppm	Ca ppm	Co ppm	Cr ppm	Cu ppm	K ppm	Li ppm	Mg ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Se ppm	Sn ppm	Sr ppm	W ppm	Y ppm	Zn ppm
313	AS064	36.5114	81.4481	0.3	0.4	0	30	1.0	500	7	7	7	9000	6	7450	-2	10	10	1000	12	1	-5	.	-2	5	42
321	AS071	36.5261	81.3376	0.3	0.2	0	45	1.5	-100	-5	9	11	5000	5	4350	4	20	7	900	10	-1	-5	.	-2	15	30
323	AS073	36.5072	81.3894	1.0	0.3		100	1.0	100	5	10	8	5000	-5	3150	3	25	5	1000	-10	-1	-5	.	-2	5	45
324	AS074	36.5409	81.3709	0.7	0.3	1	112	1.5	-100	10	8	11	8000	-5	4450	-2	15	7	1100	-10	-1	-5	.	2	10	47
325	AS075	36.5748	81.3884	1.3	0.4	0	182	1.5	100	10	6	7	14000	-5	1150	-2	15	5	1600	-10	-1	-5	.	-2	20	52
326	AS076	36.5668	81.4135	0.7	0.3	0	90	1.5	100	12	8	11	10000	5	4500	2	15	12	1300	12	-1	-5	.	2	10	115

BOONE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
8	AE508	36.0174	81.2558	6.3	50	0.019	16	6800	.	2070	.	3090	-0.1	0.3	14	-0.001
9	AE509	36.0082	81.1909	6.4	33	0.029	13	5000	.	1680	12	2220	0.3	0.8	22	-0.001
12	AE512	36.0076	81.1407	6.2	34	0.040	26	5500	.	2580	18	2210	0.1	1.1	23	-0.001
13	AE513	36.0085	81.0817	5.6	25	0.029	24	5400	.	.	13	2530	-0.1	1.1	29	0.040
14	AE514	36.0025	81.0254	6.3	24	0.016	16	5400	.	590	30	1640	-0.1	0.6	14	-0.001
27	AG501	36.4930	81.1427	6.8	20	0.027	13	3900	.	900	11	1350	0.2	1.3	18	-0.001
28	AG502	36.4505	81.1250	6.4	20	0.046	.	4800	.	490	.	1600	-0.1	2.3	23	-0.001
29	AG503	36.4548	81.1722	7.0	52	0.025	.	5600	.	.	33	M	-0.1	0.4	17	-0.001
30	AG504	36.4193	81.1969	6.5	20	0.022	13	4500	18	340	3	1380	0.1	1.1	19	-0.001
31	AG505	36.4120	81.2405	6.0	20	0.022	18	4400	23	140	3	1210	-0.1	1.1	20	-0.001
32	AG506	36.4443	81.2353	6.2	20	0.023	15	4300	18	.	6	2100	-0.1	1.1	17	-0.001
33	AG507	36.4946	81.2403	6.2	27	0.019	6	M	.	M	5	M	-0.1	0.7	18	-0.001
46	AG520	36.4051	81.0145	5.4	30	0.025	14	6200	.	370	37	1760	-0.1	0.8	24	-0.001
47	AG521	36.4497	81.0141	5.4	48	0.022	17	9000	.	.	34	4870	-0.1	0.4	109	0.310
48	AG522	36.4970	81.0182	5.8	25	0.025	11	4300	13	520	11	1480	-0.1	1.0	18	-0.001
49	AG523	36.4993	81.0735	5.9	40	0.025	.	M	.	M	14	M	-0.1	0.6	18	0.040
50	AG524	36.4500	81.0806	5.9	22	0.060	17	4500	.	540	5	1160	-0.1	2.7	25	-0.001
149	AS501	36.4049	81.5228	7.9	118	0.033	.	M	.	M	9	M	-0.1	0.2	19	-0.001
150	AS502	36.4114	81.5715	7.5	135	0.032	.	4600	25	2260	.	1860	0.3	0.2	23	-0.001
151	AS503	36.3750	81.6157	7.2	130	0.026	.	4200	20	.	14	1560	0.4	0.2	15	0.890
152	AS504	36.4134	81.6244	7.1	112	0.032	11	3800	25	.	10	M	-0.1	0.2	15	-0.001
153	AS505	36.4026	81.6879	7.0	135	0.036	10	4500	95	2110	15	2100	0.4	0.2	16	-0.001
154	AS506	36.4014	81.7415	7.7	128	0.035	.	4100	33	2570	18	1790	0.9	0.2	15	-0.001
155	AS507	36.4506	81.6827	7.5	115	0.026	.	4000	12	1240	.	1550	0.1	0.2	16	-0.001
156	AS508	36.4508	81.6335	7.1	130	0.037	26	5000	79	1640	.	2280	0.2	0.2	16	-0.001
157	AS509	36.4890	81.6268	7.0	118	0.034	5	4000	20	1010	.	1150	0.2	0.2	15	-0.001
158	AS510	36.4887	81.6940	7.0	139	0.034	15	5100	.	630	.	4290	0.2	0.2	23	-0.001
165	AS517	36.4922	81.5101	6.7	112	0.044	20	3900	72	.	3	1980	0.2	0.3	35	-0.001
166	AS518	36.4924	81.5738	7.0	120	0.017	7	2200	57	600	7	1020	0.4	0.1	25	-0.001
167	AS519	36.4475	81.5712	6.5	130	0.029	.	4300	.	.	14	1270	0.3	0.2	18	-0.001
168	AS520	36.4446	81.5176	6.0	125	0.035	23	4000	43	.	8	2530	0.2	0.2	18	-0.001
169	AS521	36.3946	81.4671	6.5	211	0.032	11	4000	26	.	44	M	0.2	0.1	28	-0.001
170	AS522	36.4465	81.4584	7.4	120	0.042	10	3900	31	1310	9	1560	0.4	0.3	34	-0.001
171	AS523	36.4901	81.4546	6.8	120	0.039	9	3600	24	1160	8	2170	0.3	0.3	18	-0.001
174	AS526	36.4919	81.3995	6.0	104	0.044	20	3600	.	330	.	1200	-0.1	0.4	16	-0.001
175	AS527	36.4508	81.4025	6.6	120	0.039	15	3300	14	1470	8	2590	0.5	0.3	17	0.030
176	AS528	36.3587	81.5462	7.2	120	0.048	.	4000	.	1270	9	1510	0.1	0.4	21	-0.001
177	AS529	36.3581	81.5001	7.3	112	0.034	12	3300	12	.	8	830	0.3	0.3	43	-0.001

BOONE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
178	AS530	36.3613	81.4401	7.1	101	0.029	35	4000	17	.	8	1140	-0.1	0.2	18	-0.001
179	AS531	36.3133	81.4615	6.7	100	0.038	22	3900	25	630	6	870	-0.1	0.3	22	-0.001
180	AS532	36.3181	81.5108	6.6	107	0.050	18	3500	.	.	15	1470	-0.1	0.4	15	-0.001
181	AS533	36.3145	81.5669	6.6	121	0.038	.	3700	24	2240	16	1160	0.8	0.3	12	-0.001
182	AS534	36.2657	81.5036	6.7	108	0.035	17	3600	.	970	.	730	0.2	0.3	23	-0.001
183	AS535	36.2724	81.4550	6.5	100	0.026	28	3900	.	.	33	890	-0.1	0.2	17	0.020
184	AS536	36.3199	81.3949	6.4	122	0.047	7	8000	.	.	.	M	-0.1	0.3	14	-0.001
185	AS537	36.3593	81.3789	6.3	100	0.030	28	4300	14	.	6	M	-0.1	0.3	20	-0.001
186	AS538	36.4094	81.3964	6.6	110	0.035	17	4400	23	360	17	1720	0.2	0.3	24	0.030
187	AS539	36.4114	81.3422	6.0	100	0.046	18	4000	.	.	8	940	-0.1	0.4	23	-0.001
188	AS540	36.4097	81.2860	6.5	148	0.048	18	3900	31	1540	40	2600	0.1	0.3	17	-0.001
189	AS541	36.4492	81.2919	7.1	100	0.030	.	3600	.	.	6	1260	0.3	0.3	43	0.090
190	AS542	36.4549	81.3418	6.5	102	0.030	25	4300	25	730	7	1390	0.2	0.2	17	-0.001
191	AS543	36.4961	81.3498	7.0	120	0.048	8	4100	.	1110	12	3840	0.9	0.4	27	0.030
193	AV501	36.1399	81.8529	7.4	18	0.032	39	5100	113	390	5	1610	0.1	1.7	36	-0.001
194	AV502	36.1769	81.8697	6.9	15	0.025	24	5300	.	.	7	2180	0.2	1.6	15	-0.001
195	AV503	36.1820	81.9253	8.1	22	0.019	46	4000	23	350	.	2250	0.6	0.8	52	-0.001
196	AV504	36.2222	81.9301	7.0	60	0.088	57	8300	18	1580	.	6410	0.3	1.4	61	-0.001
197	AV505	36.2637	81.9253	7.2	15	0.031	27	4000	.	.	3	2130	-0.1	2.0	13	-0.001
198	AV506	36.1782	81.9819	6.6	32	0.024	.	5500	33	860	14	3300	0.2	0.7	13	-0.001
199	AV507	36.1334	81.9786	6.7	22	0.019	41	5500	53	780	20	2210	-0.1	0.8	15	-0.001
202	AV510	36.0003	81.9803	6.8	14	0.035	31	5300	39	450	6	1000	0.6	2.5	264	-0.001
205	AV513	36.0451	81.9895	7.2	15	0.020	36	4700	25	910	.	1460	0.1	1.3	23	-0.001
207	AV515	36.0869	81.9698	7.2	15	0.022	36	4800	45	750	.	1630	0.5	1.4	39	-0.001
208	AV516	36.1231	81.9343	6.8	18	0.022	40	5200	21	540	.	1600	0.1	1.2	46	0.030
209	AV517	36.0779	81.9166	5.6	12	0.033	43	5100	.	.	10	870	-0.1	2.7	58	0.150
210	AV518	36.0500	81.9198	7.6	49	0.445	37	4800	68	860	.	2520	0.8	9.0	17	-0.001
211	AV519	36.0052	81.9321	5.2	48	0.043	44	8500	16	2830	67	1660	-0.1	0.9	262	0.460
212	AV520	36.0077	81.8701	6.4	60	0.019	60	7500	.	5160	11	2910	-0.1	0.3	42	0.420
213	AV521	36.0551	81.8782	7.1	45	0.042	40	5000	68	1320	4	4080	0.2	0.9	18	-0.001
214	AV522	36.0393	81.8100	6.1	10	0.018	38	5200	25	.	20	1000	0.1	1.8	34	0.120
215	AV523	36.0775	81.8742	7.2	25	0.025	3	5100	.	640	5	2810	0.5	1.0	21	-0.001
216	AV524	36.0781	81.7771	7.1	11	0.019	37	5000	.	.	.	910	0.1	1.7	24	-0.001
217	AV525	36.0493	81.7481	6.5	21	0.037	44	4900	28	1040	7	2060	0.3	1.7	17	0.040
1094	CL501	36.0810	81.7477	7.0	21	0.026	16	5000	36	1280	.	1800	0.1	1.2	114	0.050
1111	CL518	36.0393	81.7107	6.6	18	0.044	24	4900	60	240	.	2360	0.2	2.4	23	-0.001
1112	CL519	36.0682	81.6949	6.5	18	0.056	24	5000	97	640	9	2710	0.3	3.1	28	-0.001
1113	CL520	36.0932	81.6415	6.7	78	0.024	.	4800	45	860	5	2530	-0.1	0.3	20	-0.001

BOONE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
1114	CL521	36.0872	81.5992	6.8	19	0.190	7	M	.	M	6	M	-0.1	10.0	28	-0.001
1115	CL522	36.0336	81.5969	6.4	32	0.025	8	5000	70	.	6	3640	0.3	0.7	27	-0.001
1116	CL523	36.0428	81.6467	6.7	22	0.049	.	16200	.	1060	.	11610	-0.1	2.2	19	-0.001
1119	CL526	36.0006	81.5172	6.7	22	0.031	28	5500	.	600	.	1230	0.2	1.4	30	-0.001
1120	CL527	36.0471	81.5309	6.4	18	0.033	.	4000	.	130	2	1160	-0.1	1.8	27	-0.001
1121	CL528	36.0891	81.5271	6.6	31	0.058	.	4900	.	810	.	2590	-0.1	1.8	27	-0.001
1122	CL529	36.0434	81.4699	6.1	59	0.029	.	11800	.	2230	15	M	-0.1	0.4	55	-0.001
1123	CL530	36.0442	81.4136	6.4	23	0.029	11	4000	.	.	3	3290	0.6	1.2	29	-0.001
1124	CL531	36.0027	81.4093	6.7	33	0.034	.	4700	30	700	.	2800	0.3	1.0	30	-0.001
1125	CL532	36.0088	81.3595	7.0	51	0.225	10	4500	46	1930	.	3950	2.9	4.4	26	-0.001
5408	WL506	36.0903	81.0087	6.3	58	0.042	20	5900	31	1880	27	M	-0.1	0.7	15	-0.001
5409	WL507	36.0749	81.0722	5.9	18	0.036	17	4800	.	.	11	1320	0.1	2.0	32	-0.001
5410	WL508	36.0421	81.0774	6.6	26	0.040	14	M	.	M	8	M	-0.1	1.5	44	-0.001
5411	WL509	36.0817	81.1375	6.0	28	0.037	.	5500	24	1410	.	1750	-0.1	1.3	25	-0.001
5412	WL510	36.0870	81.1814	6.8	91	0.089	.	10700	.	3670	.	3090	1.0	0.9	13	-0.001
5413	WL511	36.0491	81.1800	7.5	120	0.088	.	4800	114	1530	76	7060	-0.1	0.7	15	-0.001
5414	WL512	36.0421	81.1356	5.5	31	0.028	22	5300	18	1380	23	1360	0.1	0.9	31	0.050
5415	WL513	36.0868	81.2369	6.2	38	0.071	27	3800	.	740	4	4660	0.8	1.8	16	0.030
5416	WL514	36.0514	81.2385	6.2	20	0.020	10	4500	43	1170	.	1570	0.1	1.0	14	-0.001
5417	WL515	36.0434	81.2938	6.2	10	0.027	.	4600	.	540	5	820	-0.1	2.7	28	-0.001
5418	WL516	36.0433	81.3443	6.7	31	0.047	17	3800	.	820	6	3790	1.5	1.5	22	-0.001
5419	WL517	36.0913	81.3403	6.7	74	0.072	17	5100	101	3810	6	4360	0.6	0.9	15	-0.001
5420	WL518	36.0945	81.2940	6.4	51	0.022	20	3900	29	1030	.	3620	0.5	0.4	14	-0.001
5421	WL519	36.1351	81.1957	5.5	40	0.029	.	11800	.	.	11	5250	-0.1	0.7	18	0.030
5422	WL520	36.1308	81.1205	6.0	32	0.065	15	5200	40	.	8	2900	0.2	2.0	12	-0.001
5423	WL521	36.1331	81.0699	6.6	75	0.036	17	4300	94	1560	91	4480	-0.1	0.4	17	0.060
5424	WL522	36.1351	81.0047	5.7	30	0.037	.	5000	.	.	9	M	-0.1	1.2	20	0.050
5427	WL525	36.1879	81.0199	7.1	110	0.073	14	4500	112	5340	204	3750	-0.1	0.6	13	-0.001
5428	WL526	36.1801	81.0645	6.8	35	0.197	8	4600	403	.	9	810	-0.1	5.6	20	0.030
5429	WL527	36.1834	81.1171	6.8	51	0.085	.	4200	20	1990	.	2910	0.5	1.6	14	-0.001
5430	WL528	36.2254	81.1730	7.5	119	0.079	8	3900	65	1230	43	5250	-0.1	0.6	15	0.080
5431	WL529	36.2260	81.2315	6.6	22	0.032	.	4700	.	.	30	1860	-0.1	1.4	48	0.060
5432	WL530	36.3403	81.3425	7.2	90	0.096	9	M	.	70	4	M	-0.1	1.0	18	-0.001
5433	WL531	36.2668	81.2942	6.5	20	0.082	.	4500	37	480	.	2610	0.2	4.1	19	-0.001
5434	WL532	36.3052	81.3498	5.7	10	0.056	13	4400	26	.	4	990	-0.1	5.6	23	-0.001
5435	WL533	36.2668	81.3529	6.0	22	0.027	14	4600	21	520	16	1570	-0.1	1.2	20	-0.001
5436	WL534	36.2165	81.3464	6.2	60	0.080	8	7700	.	.	10	4950	-0.1	1.3	80	-0.001
5437	WL535	36.2608	81.4084	6.0	10	0.043	14	4200	19	240	.	1270	-0.1	4.3	34	-0.001

BOONE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
5438	WL536	36.2292	81.3915	6.4	81	0.022	12	7600	.	2250	21	4510	0.2	0.2	22	-0.001
5439	WL537	36.1820	81.2909	6.6	45	0.031	10	4300	61	1610	.	3190	0.6	0.6	40	-0.001
5440	WL538	36.2105	81.2879	6.3	80	0.081	24	3700	29	3630	.	5610	2.3	1.0	17	-0.001
5441	WL539	36.1681	81.3439	6.0	51	0.025	.	7700	28	2590	.	3680	0.2	0.4	18	-0.001
5442	WL540	36.1805	81.3996	6.7	50	2.582	10	3000	258	1200	8	4760	0.9	51.6	16	-0.001
5443	WL541	36.2082	81.4565	5.7	79	0.089	27	M	.	M	20	M	-0.1	1.1	28	-0.001
5444	WL542	36.1735	81.4667	6.5	10	0.071	19	4000	.	.	3	1050	0.2	7.1	23	-0.001
5445	WL543	36.1364	81.4051	6.2	27	0.062	.	4400	.	770	7	2800	-0.1	2.3	19	-0.001
5446	WL544	36.0954	81.4017	6.1	23	0.045	11	4000	21	960	.	1630	0.1	1.9	14	-0.001
5447	WL545	36.1155	81.4556	6.7	111	0.072	8	4900	39	6440	4	3270	2.4	0.6	61	-0.001
5448	WL546	36.1195	81.5072	6.9	20	0.059	21	3900	.	.	7	2150	0.1	2.9	16	-0.001
5449	WL547	36.1353	81.3448	6.5	32	0.047	15	3300	.	440	6	2870	0.2	1.4	15	-0.001
5450	WL548	36.1365	81.2836	6.2	24	0.042	.	M	.	M	7	M	-0.1	1.7	17	-0.001
5451	WL549	36.1326	81.2351	6.4	34	0.049	.	4200	22	1800	.	1900	-0.1	1.4	18	-0.001
5452	WL550	36.1837	81.2335	6.7	90	0.063	23	4500	62	1660	100	2180	0.1	0.7	14	-0.001
5453	WL551	36.1812	81.1796	5.7	41	0.059	63	7800	.	1910	69	4330	-0.1	1.4	36	1.170
5454	WL552	36.2181	81.1298	5.8	20	0.055	35	3900	32	.	7	M	-0.1	2.7	35	-0.001
5455	WL553	36.2682	81.1268	5.5	22	0.024	13	4400	27	.	11	1480	-0.1	1.0	17	-0.001
5456	WL554	36.3093	81.1306	6.1	29	0.023	21	4200	35	750	.	3330	0.2	0.7	34	-0.001
5457	WL555	36.3132	81.1735	5.2	42	0.045	16	10200	.	1110	20	M	-0.1	1.0	44	0.050
5458	WL556	36.2669	81.1833	6.4	50	0.301	11	3600	39	.	7	M	-0.1	6.0	21	-0.001
5459	WL557	36.2724	81.2392	5.7	52	0.065	.	4100	.	.	8	3290	-0.1	1.2	22	-0.001
5460	WL558	36.3067	81.2406	6.1	30	0.060	9	3300	.	350	16	1800	0.1	2.0	18	-0.001
5461	WL559	36.3106	81.2883	6.2	29	0.036	13	3100	.	350	4	1580	-0.1	1.2	23	-0.001
5462	WL560	36.3623	81.3036	6.4	25	0.036	.	M	.	490	.	M	-0.1	1.4	.	-0.001
5463	WL561	36.3615	81.2446	6.6	15	0.034	.	4100	.	.	.	1330	-0.1	2.2	26	-0.001
5464	WL562	36.3588	81.1721	6.1	18	0.041	.	3600	.	.	8	570	-0.1	2.2	15	-0.001
5465	WL563	36.3512	81.1178	5.7	40	0.047	.	4200	.	.	.	1770	-0.1	1.1	20	-0.001
5466	WL564	36.3817	81.1125	5.8	20	0.041	.	3600	.	.	6	1430	-0.1	2.0	14	-0.001
5467	WL565	36.3925	81.0676	6.3	15	0.038	.	3300	.	.	.	1390	-0.1	2.5	16	-0.001
5468	WL566	36.3577	81.0688	6.6	37	0.044	.	4100	.	.	2	5340	-0.1	1.1	29	-0.001
5469	WL567	36.3118	81.0663	6.3	159	0.025	.	M	.	2910	.	M	-0.1	0.1	.	-0.001
5470	WL568	36.2640	81.0745	5.4	48	0.028	.	6400	.	500	96	M	-0.1	0.5	11	-0.001
5471	WL569	36.2252	81.0629	6.1	38	0.045	.	3600	.	1740	38	1280	-0.1	1.1	12	-0.001
5472	WL570	36.2204	81.0169	5.2	100	0.077	.	7900	.	.	32	5590	-0.1	0.7	15	-0.001
5473	WL571	36.2691	81.0110	5.4	19	0.039	13	3300	.	.	12	590	-0.1	2.0	21	0.030
5474	WL572	36.3144	81.0158	6.0	27	0.022	.	4000	.	680	4	1020	-0.1	0.8	25	-0.001
5475	WL573	36.3601	81.0142	6.3	71	0.048	.	3500	.	550	11	1520	-0.1	0.6	16	-0.001

BOONE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
5565	WT501	36.2169	81.6291	7.4	30	0.018	16	3300	11	1530	.	770	0.4	0.6	60	-0.001
5566	WT502	36.2615	81.6260	7.0	29	0.035	.	4100	.	790	.	1160	-0.1	1.2	17	-0.001
5567	WT503	36.3026	81.6262	7.2	40	0.033	.	3400	30	1800	.	1400	0.9	0.8	85	0.040
5568	WT504	36.2619	81.5762	6.4	15	0.037	.	3500	.	.	.	710	-0.1	2.4	18	-0.001
5569	WT505	36.2158	81.5710	6.3	20	0.050	.	3600	.	420	.	1220	0.1	2.5	19	0.060
5570	WT506	36.2121	81.5159	6.9	21	0.029	12	3500	30	.	.	2250	-0.1	1.3	49	-0.001
5571	WT507	36.1785	81.5071	6.7	50	0.073	.	3900	82	630	5	1770	0.2	1.4	19	-0.001
5572	WT508	36.1807	81.5766	7.1	13	0.036	19	3900	.	.	5	M	-0.1	2.7	39	-0.001
5573	WT509	36.1758	81.6253	7.0	30	0.052	7	4000	207	.	2	1030	-0.1	1.7	21	-0.001
5574	WT510	36.1445	81.5692	7.0	20	0.031	.	2900	.	.	5	1190	0.1	1.5	54	0.030
5575	WT511	36.1361	81.6273	6.9	40	0.017	16	3500	64	650	5	1920	0.1	0.4	17	-0.001
5576	WT512	36.1721	81.6825	6.9	20	0.027	8	3100	72	.	4	880	-0.1	1.3	37	-0.001
5577	WT513	36.1304	81.6829	7.1	90	0.065	.	19300	.	520	18	9470	-0.1	0.7	17	0.060
5578	WT514	36.1398	81.7459	6.9	19	0.028	12	3800	.	.	8	870	0.2	1.4	74	-0.001
5579	WT515	36.1751	81.7419	7.1	60	0.067	12	3900	30	2200	30	1420	-0.1	1.1	21	-0.001
5580	WT516	36.1418	81.8118	7.1	30	0.013	.	4900	.	550	.	1920	-0.1	0.4	31	-0.001
5581	WT517	36.1764	81.8009	7.0	71	0.027	.	3500	23	1840	19	910	0.1	0.3	31	-0.001
5582	WT518	36.2234	81.7922	7.6	20	0.015	.	3700	37	230	.	2130	0.3	0.7	39	-0.001
5583	WT519	36.2171	81.7372	7.3	31	0.093	21	4100	20	620	8	3110	0.1	3.0	30	-0.001
5584	WT520	36.2221	81.6867	7.8	50	0.027	.	4600	39	1810	.	2160	0.3	0.5	53	0.050
5585	WT521	36.2623	81.6823	7.6	20	0.028	12	3500	.	890	.	1030	-0.1	1.4	30	-0.001
5586	WT522	36.3058	81.6843	7.3	21	0.028	.	4100	.	1570	.	900	0.2	1.3	31	-0.001
5587	WT523	36.3509	81.6803	7.3	28	0.018	7	3600	17	890	.	940	0.1	0.6	22	0.030
5588	WT524	36.3103	81.7401	7.0	90	0.037	19	4400	56	3770	.	2340	0.3	0.4	19	-0.001
5589	WT525	36.2582	81.7433	7.4	110	0.040	8	3500	37	3980	2	3260	1.9	0.3	17	-0.001
5590	WT526	36.2631	81.7895	6.8	70	0.030	23	5700	45	.	15	3140	0.3	0.4	15	0.080
5591	WT527	36.3048	81.8082	7.2	40	0.027	.	3200	107	1140	.	3780	0.5	0.6	13	-0.001
5592	WT528	36.3517	81.7940	6.7	30	0.034	19	3900	36	460	.	2100	-0.1	1.1	23	0.030
5593	WT529	36.3092	81.8531	7.0	29	0.030	.	3500	37	.	4	2680	0.2	1.0	35	-0.001
5594	WT530	36.2642	81.8471	6.6	21	0.032	13	3600	23	270	.	1810	-0.1	1.5	27	-0.001
5595	WT531	36.2214	81.8391	6.2	21	0.033	24	3800	37	.	.	2200	-0.1	1.5	29	-0.001
5596	WT532	36.2281	81.8864	6.3	20	0.113	.	3300	163	350	.	840	-0.1	5.6	104	-0.001

WYTHEVILLE QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
34	AG508	36.5012	81.2913	6.6	83	0.045		4900	17	4850	6	3170	0.9	0.5	20	-0.001
35	AG509	36.5406	81.2917	6.9	40	0.029	7	3300	110	1620	11	3300	0.6	0.7	19	-0.001
36	AG510	36.5368	81.2312	6.8	60	0.417		4200	.	.	12	2750	0.4	6.9	20	-0.001
37	AG511	36.5003	81.1894	6.1	20	0.046	11	4700	13	300	3	1030	-0.1	2.3	18	-0.001
38	AG512	36.5340	81.1846	6.8	50	0.046		4000	.	3080	.	1720	3.9	0.9	18	0.060
39	AG513	36.5543	81.1461	6.5	42	0.017	16	M	.	M	20	M	-0.1	0.4	17	-0.001
40	AG514	36.5410	81.0755	6.2	50	0.028	11	4700	51	2300	5	2650	0.2	0.5	18	0.030
41	AG515	36.5462	81.0199	6.0	18	0.031	7	4300	.	.	5	1230	-0.1	1.7	17	-0.001
159	AS511	36.5324	81.6927	7.1	109	0.067		4000	18	.	2	2570	-0.1	0.6	17	-0.001
160	AS512	36.5391	81.6292	7.1	112	0.040	22	4300	26	300	16	2030	0.2	0.3	41	-0.001
161	AS513	36.5789	81.6378	6.7	108	0.044	10	3700	18	.	6	990	0.3	0.4	43	-0.001
162	AS514	36.5733	81.5780	7.0	120	0.041		4100	.	950	.	1740	0.3	0.3	55	-0.001
163	AS515	36.5287	81.5795	6.9	112	0.031	19	3700	28	570	.	1280	0.1	0.2	22	-0.001
164	AS516	36.5363	81.5133	6.9	158	0.060		3900	30	2230	.	3050	0.5	0.3	164	-0.001
172	AS524	36.5423	81.4653	7.1	168	0.124	23	4100	90	1620	32	2990	0.8	0.7	91	-0.001
173	AS525	36.5396	81.3994	7.5	160	0.272		4500	96	1710	1	2750	1.2	1.7	26	-0.001
192	AS544	36.5401	81.3446	7.0	111	0.324	16	3900	33	1300	13	4360	0.5	2.9	15	-0.001