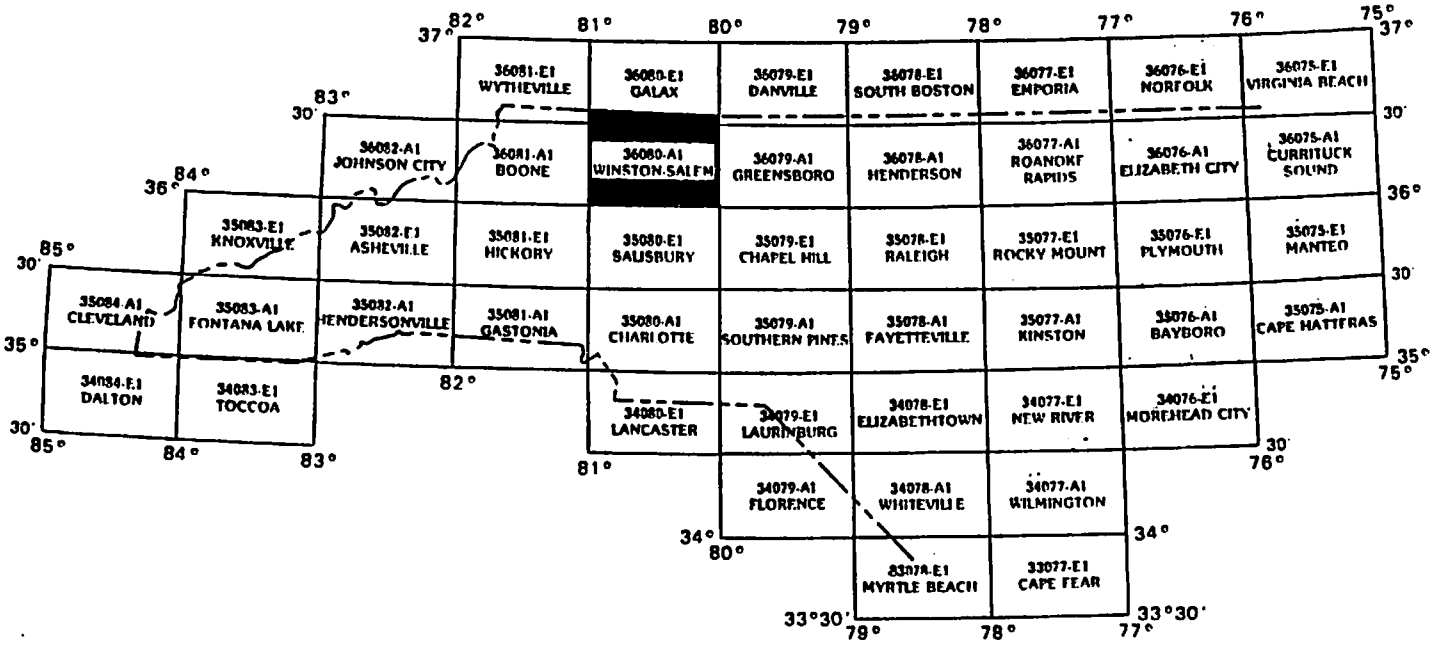
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Galax and Winston-Salem 30 x 60 - Minute Quadrangles -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-12

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.

The Section conducts basic and applied research projects in environmental geology, mineral resources exploration and systematic geologic mapping. Services include identifying rock and mineral samples submitted by citizens and providing consulting services and specially prepared reports to agencies that need geological information.

The geological Survey section publishes Bulletins, Economic Papers, Information Circulars, Educational Series, Geologic Maps and Special Publications. For a list of publications or more information about the Section contact the Geological Survey Section, Division of Land Resources, at Post Office Box 27687, Raleigh, North Carolina 27611-7687.

Jeffrey C. Reid
Chief Geologist

Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Galax and Winston-Salem 30 x 60 - Minute Quadrangles -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid

INTRODUCTION

This report is a compilation of geochemical data for stream sediment and groundwater for the Galax and Winston Salem 30 x 60 - minute quadrangles (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
AG	Alleghany
DE	Davie
FO	Forsyth
GU	Guilford
IR	Iredell
RC	Rockingham (Stream Sediment)
RO	Rockingham (Groundwater)
SO	Stokes
SU	Surry
WL	Wilkes
YD	Yadkin

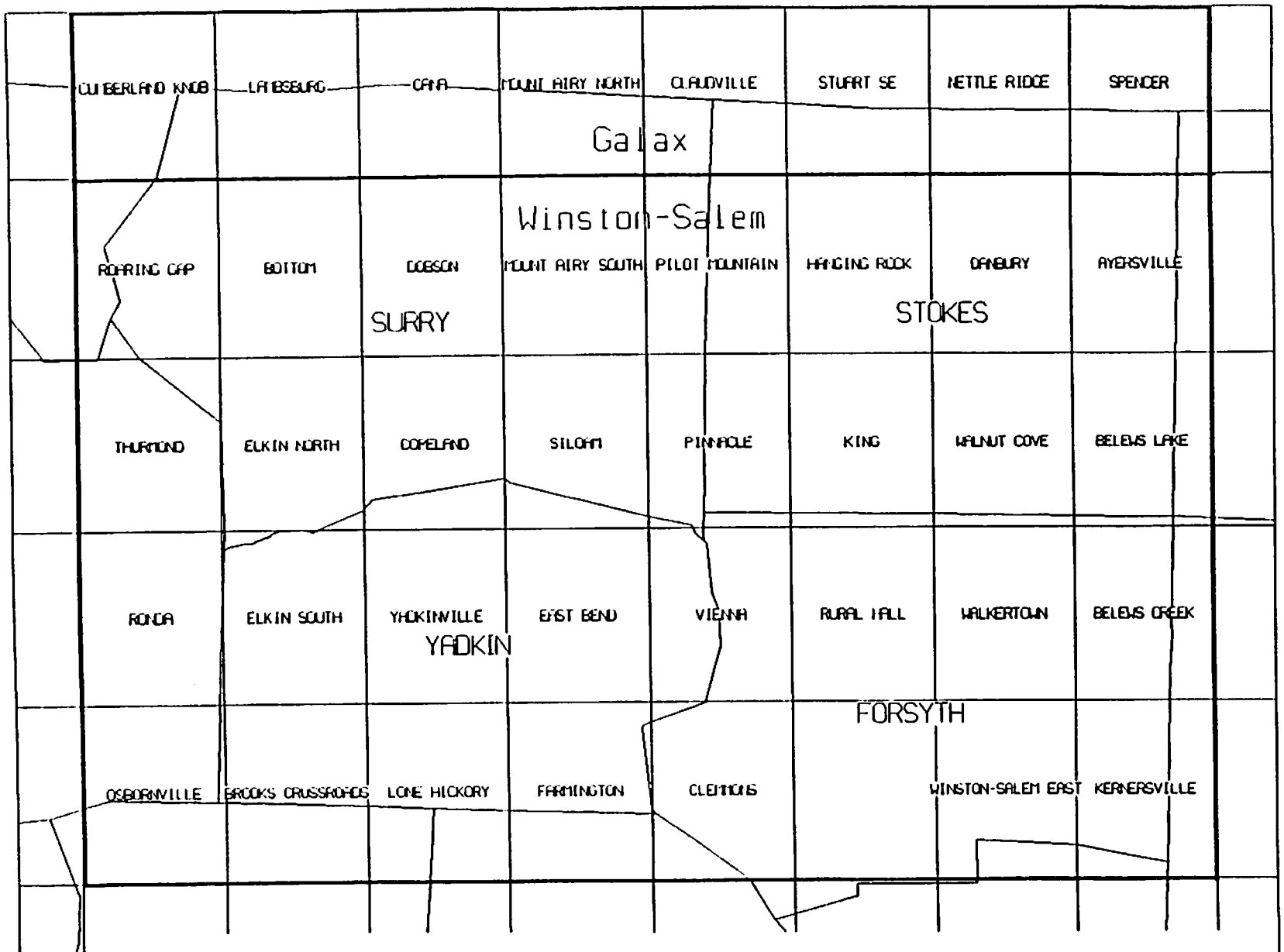


Figure 1. Map Showing Outlines of Galax and Winston-Salem 30 x 60 - Minute Quadrangles and Contained 7 - 1/2 Minute Quadrangles.

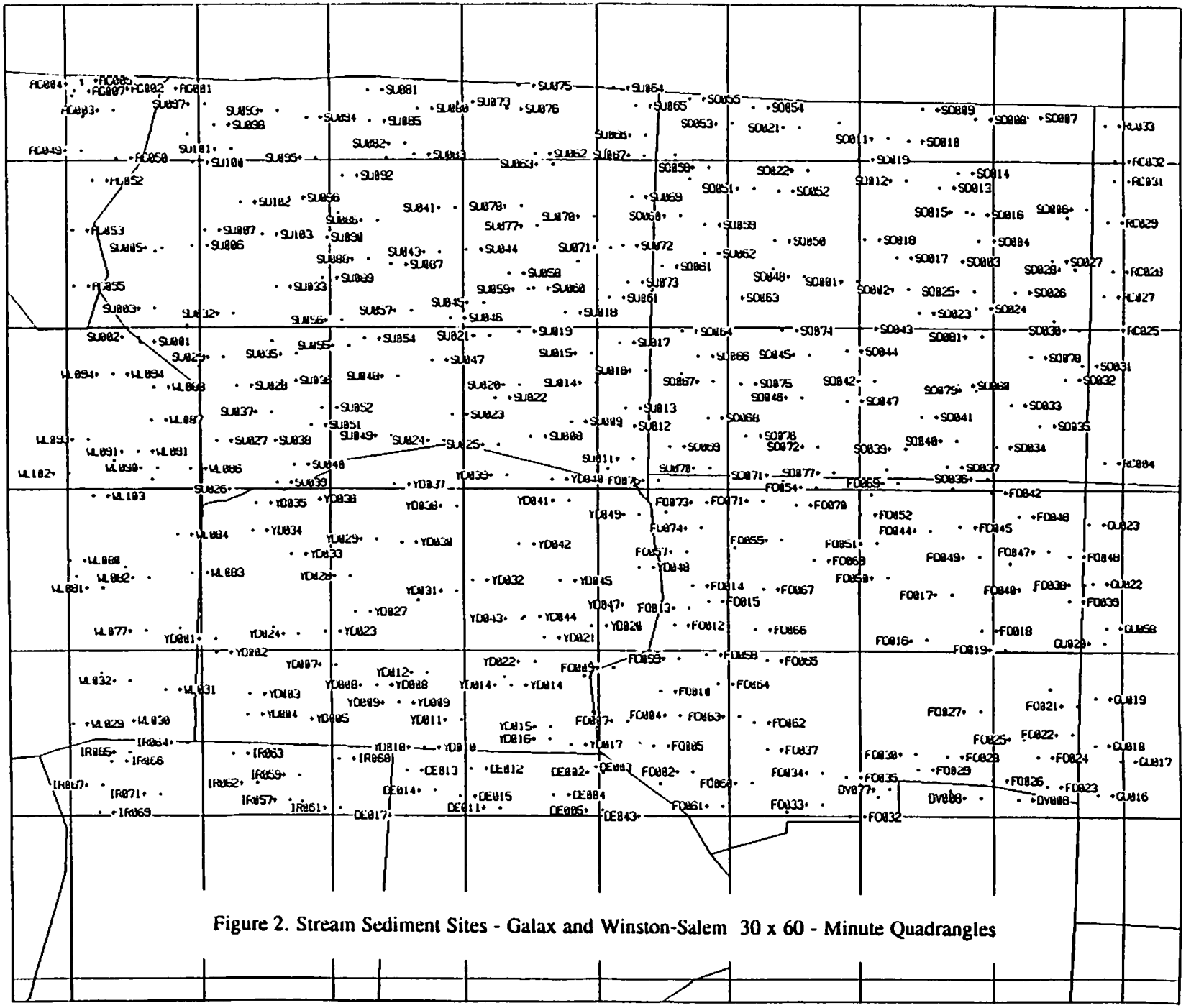


Figure 2. Stream Sediment Sites - Galax and Winston-Salem 30 x 60 - Minute Quadrangles

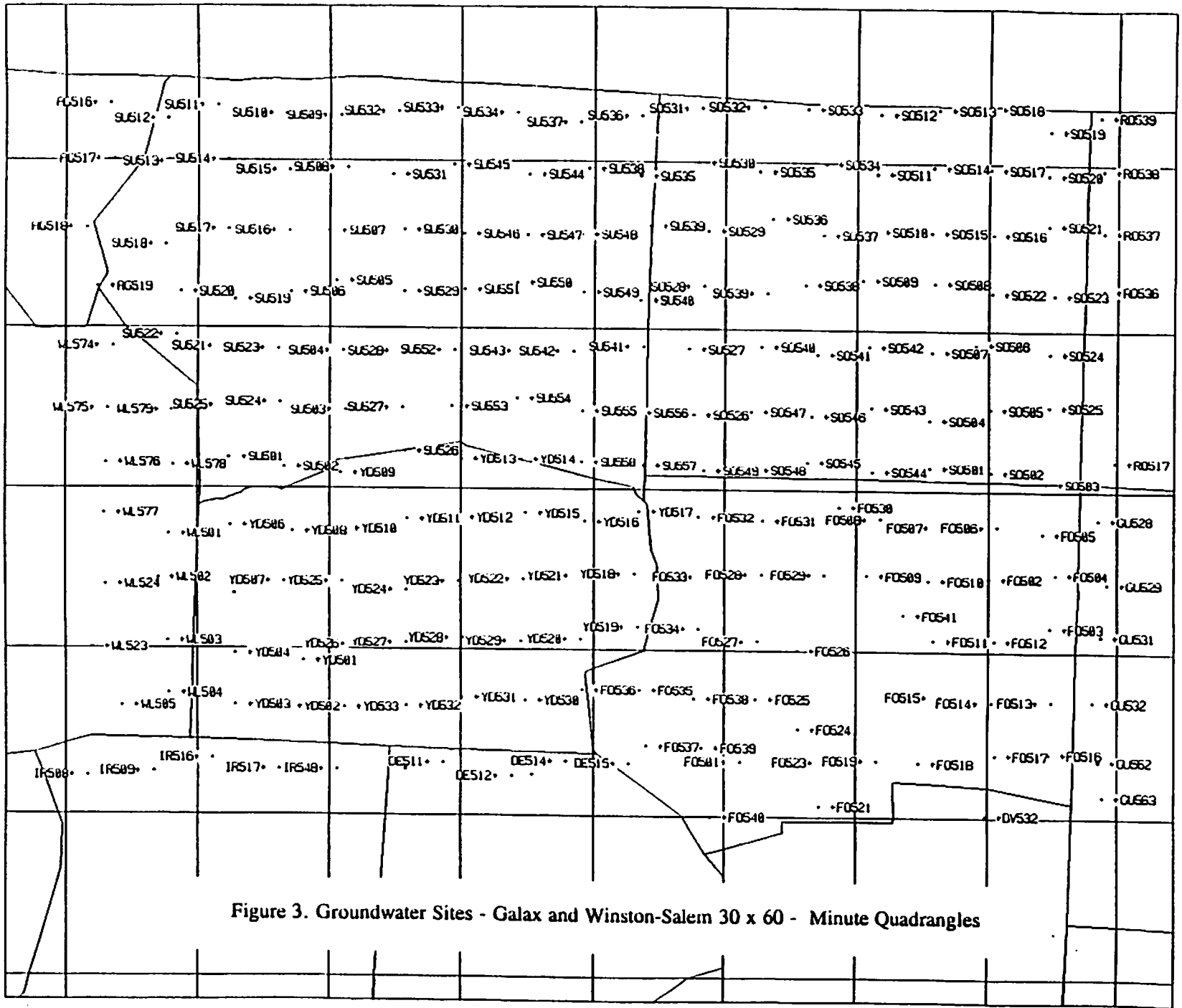


Figure 3. Groundwater Sites - Galax and Winston-Salem 30 x 60 - Minute Quadrangles

GALAX 100K SHEET - 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
60	AG001	36.5533	80.9098	5.9	40	2.3	11	19	67500	62	39700	510	4100	7.5	2600	70	M	4.6	M	M	M	M	
61	AG002	36.5535	80.9558	6.5	26	3.0	8	54	40500	-20	58300	1110	7500	5.9	17300	100	2.5	0.4	M	M	M	M	
62	AG003	36.5377	80.9553	6.8	20	1.8	12	13	46300	26	44900	640	6400	5.2	M	60	1.4	1.0	M	M	M	M	
63	AG004	36.5570	80.9847	6.8	33	3.8	M	62	62100	58	37200	720	16100	8.9	6100	M	4.0	1.2	M	M	M	M	
64	AG005	36.5596	80.9851	7.0	32	5.1	9	71	59500	131	47500	1010	10000	6.3	7600	70	2.8	2.4	M	M	M	M	
65	AG006	36.5484	80.9948	7.0	28	5.4	8	95	40300	50	42100	970	8400	8	12300	80	4.6	1.4	M	M	M	M	
66	AG007	36.5518	80.9921	7.4	32	5.5	22	95	45800	104	44000	990	10300	5.4	18700	80	4.8	4.5	M	M	M	M	
107	AG048	36.5327	80.9840	7.0	23	2.3	7	27	39900	-20	34600	230	M	6.5	4000	250	1.4	0.4	M	M	M	M	
108	AG049	36.5078	80.9860	7.1	23	3.5	18	70	39900	90	71200	940	M	6.9	33400	290	3.5	3.6	M	M	M	M	
109	AG050	36.5019	80.9524	6.8	17	1.9	-2	17	29400	-20	40100	720	M	5	21900	190	M	-1.0	M	M	M	M	
5108	RC032	36.5016	80.0076	7.7	47	5.2	9	137	50200	57	27400	410	M	8.5	4400	100	7.2	2.7	33	22	5.3	1.0	
5109	RC033	36.5281	80.0172	8.0	50	3.1	3	30	67300	37	35400	100	55300	7.5	M	70	2.9	1.0	32	14	1.9	M	0.414
5536	S0007	36.5332	80.0930	M	38	6.9	9	77	41800	53	16700	510	2200	5.3	34200	140	4.3	-1.0	17	15	2.8	0.5	
5537	S0008	36.5314	80.1417	M	37	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5538	S0009	36.5384	80.1906	M	45	6.0	17	45	12300	104	31800	270	1500	3.3	19500	30	8.2	M	58	38	M	-0.5	
5539	S0010	36.5151	80.2041	M	48	4.4	28	47	13900	54	45700	670	M	6.1	34200	20	2.1	-1.0	62	M	M	0.5	
5540	S0011	36.5168	80.2239	M	48	5.9	34	62	11900	123	49700	760	1900	4.3	52500	70	5.2	5.8	94	78	6.3	1.4	
5548	S0019	36.5015	80.2517	M	68	3.1	-6	16	62100	131	52400	950	8000	8.9	16000	180	M	5.9	38	17	M	-0.6	0.628
5549	S0020	36.5286	80.2690	M	50	6.9	16	51	32000	88	16500	470	3800	3.2	6100	30	9.4	3.8	34	17	M	0.5	
5550	S0021	36.5247	80.3072	7.7	39	3.8	8	10	69500	97	43800	770	10000	5.9	5900	70	3.1	2.5	39	21	M	-0.6	
5582	S0053	36.5276	80.3712	M	33	6.3	17	50	13100	158	34800	600	2600	2.8	30700	30	3.6	9.3	39	36	9.4	-0.4	
5583	S0054	36.5394	80.3511	M	37	6.1	32	25	29300	23	89300	4220	3100	5	M	130	6.1	1.6	60	29	11.1	0.6	
5584	S0055	36.5456	80.4115	M	34	1.0	-3	6	21200	-33	24900	160	1500	2	7300	10	M	-1.2	17	M	M	-0.5	
5585	S0056	36.5043	80.4255	M	43	6.2	51	23	33600	264	18300	700	6500	2.7	10100	40	6.2	1.6	102	144	M	0.5	
5717	SU062	36.5048	80.5579	6.8	39	2.5	-2	10	56000	43	22300	1460	5800	7.3	27000	130	1.6	3.0	M	M	M	-1.9	
5719	SU064	36.5538	80.4844	6.8	29	2.6	7	29	11800	63	27500	1510	21600	3.4	17000	10	1.4	-1.0	M	M	M	-2.7	
5720	SU065	36.5405	80.4631	6.8	37	3.4	5	41	15900	-20	22100	3750	44700	3.9	25700	30	1.4	-1.0	M	M	M	-0.2	
5721	SU066	36.5189	80.4538	6.9	30	3.7	M	17	32000	M	M	2970	44200	1.4	5700	M	0.9	M	M	M	M	M	
5722	SU067	36.5040	80.4552	6.9	38	5.1	-1	18	27300	9	-5000	2710	37500	2.2	3300	M	2.3	1.0	M	M	M	-1.2	
5723	SU068	36.5078	80.4914	6.9	23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5730	SU075	36.5550	80.5724	7.4	40	2.4	-3	25	42900	-20	37800	1680	11300	5.6	29400	80	2.2	-1.0	M	M	M	M	
5731	SU076	36.5378	80.5841	7.3	35	5.5	10	86	24900	-20	90000	3840	5000	5.5	M	80	0.9	0.7	M	M	M	M	
5734	SU079	36.5431	80.6294	7.2	32	5.6	-1	99	27400	-20	60200	3470	5700	5.9	56700	100	M	0.4	M	M	M	M	
5735	SU080	36.5383	80.6672	7.2	38	2.5	6	14	54600	32	69900	2730	11900	5.5	25700	80	2.0	3.1	M	M	M	M	

GALAX 100K SHEET - 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
5736	SU081	36.5521	80.7142	7.3	38	3.5	-3	39	47400	-20	48600	1800	5500	5.3	28000	80	3.0	0.6	M	M	M	M	
5737	SU082	36.5126	80.6796	7.0	32	2.8	5	36	14100	-21	22600	1250	4000	1.8	23800	20	M	1.6	M	M	M	M	
5738	SU083	36.5042	80.6702	7.2	44	2.3	4	19	46700	31	41000	2330	11400	4	31700	60	1.1	-1.0	M	M	M	M	
5739	SU084	36.5021	80.6964	7.2	35	2.5	9	25	31200	51	23800	1000	5100	2.5	19200	30	M	0.8	M	M	M	M	
5740	SU085	36.5290	80.7122	7.2	30	7.3	6	128	14900	-20	111800	7240	2300	5.3	M	210	1.0	-1.0	M	M	M	M	
5748	SU093	36.5368	80.8004	6.9	20	1.8	-3	13	44200	-20	24500	1210	14000	4.5	18400	40	2.5	-1.0	M	M	M	M	
5749	SU094	36.5317	80.7726	6.9	23	2.0	-5	25	21400	-21	50400	2690	3400	2.4	42900	80	1.1	1.6	M	M	M	M	
5750	SU095	36.5018	80.7633	6.8	20	2.5	-2	37	19100	-20	27300	1880	3800	2.6	28500	50	0.7	-1.0	M	M	M	M	
5752	SU097	36.5418	80.8695	6.9	15	2.1	10	12	57900	67	67100	1440	9100	7.5	14800	110	2.3	1.3	M	M	M	M	
5753	SU098	36.5264	80.8607	6.9	28	2.8	-3	32	44700	-20	67700	2400	7800	6.9	34500	150	1.2	0.4	M	M	M	M	
5754	SU099	36.5198	80.8862	6.8	20	2.4	10	27	38400	-23	60900	1710	7800	6.4	26300	110	2.1	-1.0	M	M	M	M	
5756	SU101	36.5087	80.8450	6.6	19	2.3	8	28	36800	48	47800	2290	11300	4	29100	70	2.3	2.4	M	M	M	M	

WINSTON-SALEM 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
111	AG052	36.4853	80.9756	5.6	18	1.8	6	M	26700	-20	47400	600	M	6.3	15300	200	1.5	0.3	M	M	M	M	
112	AG053	36.4482	80.9942	5.8	19	0.9	-4	11	8600	-20	27700	730	4200	2.0	12500	70	0.7	1.6	M	M	M	M	
114	AG055	36.4070	80.9935	6.1	19	1.4	-7	10	20400	-26	34000	630	M	3.0	6700	160	1.1	-1.0	M	M	M	M	
1673	DE001	36.0243	80.4414	7.3	80	7.6	47	35	35700	140	54000	2660	9000	7.0	55500	180	3.4	-1.0	M	M	M	M	
1674	DE002	36.0328	80.4960	7.4	134	4.1	39	27	51900	181	93900	1970	15400	15.9	35400	260	2.5	2.5	M	M	M	M	
1675	DE003	36.0370	80.5170	7.5	125	1.7	7	25	57600	-20	83800	2300	14500	14.3	33700	250	2.3	0.4	M	M	M	M	
1676	DE004	36.0160	80.5425	7.8	209	1.6	-6	44	55300	109	102900	2230	10900	19.6	30000	350	1.1	2.4	M	M	M	M	
1677	DE005	36.0045	80.4972	8.1	140	1.4	-3	7	38900	-20	134100	3550	10300	14.4	M	630	2.1	1.1	M	M	M	M	
1683	DE011	36.0061	80.5927	7.7	70	3.3	8	20	39200	30	19800	510	8600	7.0	6600	80	1.6	-1.0	M	M	M	M	
1684	DE012	36.0351	80.6191	7.8	70	2.9	10	9	31000	-20	19500	270	7000	3.3	4300	40	0.8	-1.0	M	M	M	M	
1685	DE013	36.0338	80.6800	7.9	63	3.3	-3	23	41500	72	29200	910	8400	9.0	9600	120	3.2	1.0	M	M	M	M	
1686	DE014	36.0191	80.6535	7.9	70	2.7	M	23	26000	15	12700	220	6200	7.5	2800	30	M	1.2	5	2	2.5	M	
1687	DE015	36.0146	80.6296	7.3	50	13.5	18	35	20000	76	8800	200	66700	3.4	2100	10	3.4	0.7	19	15	3.0	0.2	
1689	DE017	36.0004	80.6809	7.6	72	1.6	6	11	22000	19	15400	200	3600	9.1	2200	80	1.6	0.7	23	9	2.6	0.2	
1715	DE043	36.0003	80.4473	8.1	71	5.1	48	42	34000	139	95300	3100	7000	7.9	68200	290	1.9	-1.0	M	M	M	M	
1958	DV006	36.0132	80.1008	7.5	62	3.1	6	30	19800	30	22400	220	M	3.6	2700	20	0.5	-1.0	M	M	3.7	0.6	
1960	DV008	36.0143	80.1370	7.6	65	4.6	10	20	54900	36	12900	1040	22300	2.3	3600	80	M	0.8	30	9	M	-0.2	
1961	DV009	36.0194	80.1649	7.5	50	3.7	7	18	64500	29	13600	730	27300	3.1	3600	30	M	-1.0	26	M	M	0.4	
2029	DV077	36.0204	80.2231	7.6	68	7.2	8	35	70400	-20	25600	320	15400	7.5	2700	80	1.9	0.7	M	M	2.7	M	
2096	FO001	36.0284	80.3925	7.8	100	2.4	12	14	23100	-20	58500	360	900	8.5	22300	100	5.2	-1.0	13	9	13.9	-0.3	
2097	FO002	36.0333	80.4099	8.1	99	2.8	14	9	37700	52	30900	120	2500	4.6	8800	20	M	4.5	36	M	9.4	1.1	
2098	FO003	36.0336	80.4324	7.9	87	5.1	27	41	27100	95	29800	1170	6300	6.7	21800	60	2.6	-1.0	23	15	5.0	-0.2	0.515
2099	FO004	36.0760	80.4219	7.5	65	13.9	49	11	11200	205	12300	250	3000	2.4	1600	20	25.5	-1.5	85	55	21.6	2.8	
2100	FO005	36.0530	80.4473	7.6	81	3.1	12	8	24000	-20	33800	660	5300	4.1	11300	70	3.2	-1.0	23	11	6.6	-0.3	
2101	FO006	36.0728	80.4532	7.4	59	9.6	31	5	28200	180	14600	310	4900	3.8	2800	40	7.8	4.0	72	26	9.5	1.2	
2102	FO007	36.0716	80.4730	7.6	111	3.9	8	52	19500	66	58100	1690	6200	8.6	25500	60	1.8	1.5	19	19	7.0	M	
2103	FO008	36.0783	80.5060	7.8	121	2.5	10	20	40600	67	39600	1250	7600	6.3	22200	120	M	-1.1	20	13	M	1.0	
2104	FO009	36.1119	80.4864	8.0	148	2.0	-4	23	46200	-20	59100	1470	8100	12.5	18100	150	4.4	-1.1	11	6	4.6	-0.2	
2105	FO010	36.0942	80.4403	7.9	55	5.0	21	6	33800	60	13000	380	7800	2.5	2800	30	2.6	1.7	27	21	M	0.7	
2106	FO011	36.1240	80.4432	7.9	100	3.6	7	43	48600	45	45400	1440	7100	11.8	15700	170	3.6	2.7	M	12	7.0	0.7	
2107	FO012	36.1444	80.4272	7.7	76	1.6	5	10	19100	-20	21700	370	4300	2.5	4600	40	M	-1.6	M	39	M	0.4	
2108	FO013	36.1579	80.4127	8.0	79	5.9	26	59	50500	132	36200	1020	12100	5.6	17700	90	2.5	2.0	75	32	9.1	0.7	
2109	FO014	36.1748	80.4090	8.0	69	5.2	25	86	49300	180	37400	1090	14400	5.4	20900	100	1.4	-1.4	71	36	M	0.7	
2110	FO015	36.1630	80.3939	7.9	68	7.4	27	55	31200	119	22200	500	6100	5.9	6200	70	5.3	-1.8	60	58	M	0.6	
2111	FO016	36.1334	80.1863	8.4	68	8.1	22	19	26000	69	18500	780	7300	4.4	12300	70	10.1	-1.2	44	37	15.7	1.7	
2112	FO017	36.1687	80.1631	7.8	59	7.5	24	20	35100	85	26500	320	4100	4.0	3900	40	7.9	-1.0	31	25	8.0	1.7	
2113	FO018	36.1414	80.1355	7.8	52	10.3	25	25	33800	160	15600	290	6500	5.7	3700	40	9.1	5.0	66	33	5.0	0.6	
2114	FO019	36.1270	80.1129	7.2	145	19.3	68	38	41600	304	18200	370	6800	5.1	8600	40	8.1	2.6	134	62	8.7	1.6	

WINSTON-SALEM 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
2115	F0020	36.0969	80.0695	7.7	125	5.4	15	45	35300	73	36200	520	4800	5.7	3300	50	1.3	-1.1	46	20	M	1.3	
2116	F0021	36.0844	80.0437	7.8	67	10.0	18	75	59300	-20	23800	490	8400	4.8	9100	80	M	4.9	15	M	7.6	-0.3	
2117	F0022	36.0626	80.0487	7.2	68	21.1	30	210	40700	40	59700	1760	10300	6.2	31600	150	4.3	3.2	19	9	8.3	2.1	
2118	F0023	36.0228	80.0733	7.7	52	12.4	16	182	33800	-20	122600	3620	8200	7.5	63900	360	3.2	3.1	17	M	16.3	1.8	
2119	F0024	36.0454	80.0817	7.5	48	20.6	19	181	51200	59	7800	270	10200	5.8	5600	30	M	2.8	26	19	6.5	-0.6	
2120	F0025	36.0588	80.0946	7.7	67	2.9	-2	6	51000	31	16000	600	11900	5.8	2300	50	1.7	-1.0	10	14	M	M	
2121	F0026	36.0274	80.1256	7.7	55	6.3	16	23	37000	52	22200	1240	7700	3.8	16800	50	M	-1.0	41	13	M	-0.5	
2122	F0027	36.0795	80.1368	7.7	67	6.8	12	38	42600	-20	33500	920	7700	6.5	11400	110	2.4	-1.0	M	M	4.2	0.7	
2123	F0028	36.0451	80.1678	7.9	69	2.7	6	7	57000	37	20400	640	9300	5.3	2800	60	1.8	-1.9	19	26	M	-0.3	
2124	F0029	36.0351	80.1950	7.8	78	3.9	12	14	45400	64	21100	770	8700	5.2	4700	60	1.3	0.8	14	85	M	M	
2125	F0030	36.0470	80.1972	8.0	126	9.6	35	13	75300	217	40100	380	6000	5.8	3300	80	6.0	2.3	95	60	10.2	0.7	
2126	F0031	36.0151	80.2339	7.6	100	5.2	3	20	75600	-20	20000	480	16100	6.8	M	60	M	-1.0	M	M	M	-0.2	
2127	F0032	36.0003	80.2603	7.3	90	8.8	15	36	69100	59	12300	270	20500	4.9	M	60	M	1.8	38	44	11.3	-0.4	
2128	F0033	36.0092	80.2868	7.2	50	4.8	16	14	65800	43	20200	710	12500	4.9	4700	40	1.8	3.0	28	5	M	-0.2	
2129	F0034	36.0329	80.2863	7.4	81	3.2	10	8	46000	41	25900	690	7200	6.2	4900	80	5.1	-1.0	22	194	3.4	M	
2130	F0035	36.0294	80.2635	7.5	59	16.9	52	46	45200	238	34800	720	8500	6.3	8100	90	12.0	3.6	93	M	12.0	1.1	
2131	F0036	36.0036	80.3206	7.8	80	6.8	20	22	69100	91	12100	630	16100	4.1	2000	50	1.7	5.0	41	14	8.2	0.6	
2132	F0037	36.0502	80.3390	7.5	110	8.9	23	21	36400	103	28900	490	5800	5.7	7100	60	4.5	-1.0	36	M	8.3	1.5	
2133	F0038	36.1769	80.0362	7.7	61	9.9	55	28	37400	212	17000	640	6600	4.6	9800	60	13.5	1.9	67	64	14.7	1.6	
2134	F0039	36.1641	80.0509	7.8	60	5.6	19	8	43600	102	27000	450	7400	6.1	2100	50	3.6	-1.3	23	14	M	0.9	
2135	F0040	36.1729	80.0844	7.7	80	7.2	39	30	52800	127	37300	1190	10600	6.5	17800	140	4.9	-1.0	58	33	6.0	-0.5	
2136	F0041	36.1930	80.1086	7.8	51	18.7	37	21	37300	-20	19800	370	6600	5.0	M	40	12.4	0.8	60	51	13.8	1.9	
2137	F0042	36.2484	80.1269	7.5	88	4.8	14	18	38600	78	37600	1180	6000	7.4	9600	70	4.1	-1.0	11	20	M	0.9	
2138	F0043	36.2515	80.1626	9.7	71	22.6	114	47	37500	461	14100	540	7600	7.8	1800	50	21.6	3.8	170	258	25.1	2.7	
2139	F0044	36.2186	80.1830	8.1	68	5.9	23	15	25300	157	16100	570	8000	5.3	2600	40	7.5	2.2	33	20	7.2	1.3	
2140	F0045	36.2213	80.1554	7.9	71	4.3	-3	5	42100	35	26700	800	8900	5.5	2800	70	4.4	-1.0	16	9	3.0	1.0	
2141	F0046	36.2299	80.0998	8.0	63	30.4	101	64	48700	488	49400	2060	6700	12.1	38900	210	25.4	7.0	151	122	39.0	5.4	
2142	F0047	36.2023	80.0713	7.7	80	5.1	8	11	41300	-20	47900	2090	6100	7.8	3800	70	M	3.9	24	16	M	M	
2143	F0048	36.1985	80.0507	7.9	83	4.2	24	10	40500	148	42100	770	10300	10.1	6500	120	4.2	M	36	22	M	-0.5	0.580
2144	F0049	36.1976	80.1378	7.6	48	34.5	109	20	22400	440	10700	230	3400	1.2	6500	20	30.5	8.9	169	63	36.8	5.5	
2145	F0050	36.1812	80.2239	7.5	81	2.6	9	9	9700	34	-5000	100	2300	2.1	2200	10	6.3	2.6	12	13	3.6	1.3	
2146	F0051	36.2078	80.2338	7.6	101	3.0	13	25	37200	117	36900	230	1100	10.0	6100	60	2.5	2.2	15	8	M	-0.2	
2147	F0052	36.2309	80.2492	8.1	82	5.0	7	83	51200	162	54600	1260	10400	7.9	26900	120	5.7	-1.0	53	46	M	1.0	
2148	F0053	36.2461	80.2392	8.6	92	4.1	11	47	40300	46	33800	930	8700	6.7	12800	80	2.2	1.1	M	M	7.3	0.4	
2149	F0054	36.2519	80.2910	8.2	120	8.1	17	224	61000	239	42300	810	13700	12.7	9800	90	3.7	8.0	78	44	12.0	1.9	
2150	F0055	36.2104	80.3241	8.1	81	5.0	11	82	22700	94	39800	400	500	8.6	17400	50	4.2	8.5	70	36	5.8	1.1	
2151	F0056	36.2042	80.3688	7.9	72	5.1	18	73	51800	158	26000	860	12000	9.4	14600	90	7.7	3.5	70	42	7.4	1.0	
2152	F0057	36.2010	80.4154	8.2	89	5.8	6	86	15300	108	37800	270	1200	6.7	21200	M	2.1	4.1	40	12	5.5	0.7	

WINSTON-SALEM 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
2153	FO058	36.1221	80.3962	7.8	101	8.9	11	146	45400	234	52300	310	2600	10.0	29200	90	3.7	8.9	52	45	9.6	1.9	
2154	FO059	36.1189	80.4228	8.0	102	2.3	6	21	44400	64	44300	710	1100	10.1	17100	90	4.2	-1.9	M	6	6.8	1.1	
2155	FO060	36.0249	80.3537	8.1	52	8.5	39	42	26100	166	33400	1030	5100	6.2	19000	70	6.7	4.2	65	29	17.9	1.3	
2156	FO061	36.0081	80.3813	8.3	109	5.0	26	113	32800	85	84200	540	3600	10.7	48600	200	1.7	4.0	25	M	7.3	1.5	
2157	FO062	36.0706	80.3509	8.0	113	6.1	15	6	17300	85	25600	360	1100	3.6	5600	50	8.6	2.3	21	17	5.8	1.0	
2158	FO063	36.0751	80.3652	7.7	98	4.0	10	23	19900	85	19300	620	6700	4.8	7100	40	3.1	1.5	20	20	4.7	0.8	
2159	FO064	36.1000	80.3848	7.6	74	6.0	19	8	47600	77	12900	430	4400	3.6	1100	60	3.3	-1.0	M	M	M	M	
2160	FO065	36.1177	80.3387	7.6	79	7.4	28	6	47100	199	26700	710	8500	3.4	5200	70	5.4	1.3	M	M	M	M	
2161	FO066	36.1412	80.3494	7.4	121	2.5	6	20	43900	51	25100	1130	10500	4.9	8000	60	3.6	1.5	M	M	M	M	
2162	FO067	36.1723	80.3419	7.9	80	4.5	21	41	53800	154	34400	700	9700	5.2	9600	70	4.1	3.0	M	M	M	M	
2163	FO068	36.1946	80.2933	7.7	112	7.5	15	97	54400	132	44000	1470	7400	7.5	39800	130	7.1	3.8	M	M	M	M	
2164	FO069	36.2552	80.2137	8.0	85	2.1	8	8	45000	58	32100	800	11700	7.5	5400	80	2.9	2.0	M	M	M	M	
2165	FO070	36.2382	80.3105	7.5	65	5.1	-3	89	51400	79	25100	810	8900	8.1	14700	70	2.9	1.7	M	M	M	M	
2166	FO071	36.2414	80.3423	8.0	99	3.7	7	35	70100	95	29900	610	14100	8.0	3500	50	M	3.0	M	M	M	M	
2167	FO072	36.2567	80.3232	7.6	43	14.9	9	440	55600	55	18100	520	11900	6.0	3700	30	10.1	1.6	M	M	M	M	
2168	FO073	36.2401	80.3953	8.3	60	4.5	11	50	50300	54	21100	340	11500	6.1	900	30	M	1.8	M	M	M	M	
2169	FO074	36.2199	80.4011	8.0	79	4.3	7	69	55700	-20	22700	820	11600	5.1	13000	50	2.3	1.4	M	M	M	M	
2170	FO075	36.2325	80.4350	7.8	40	6.4	19	158	77600	100	26000	740	23500	3.2	M	M	3.7	2.5	M	M	M	M	
2171	FO076	36.2570	80.4418	8.8	60	4.7	-3	62	46400	27	18800	420	12700	4.9	5500	50	4.3	1.4	M	M	M	M	
2541	GU016	36.0167	80.0243	7.8	216	0.8	-3	8	62300	-20	48300	690	14400	9.9	6300	140	2.4	1.7	M	M	M	-0.2	
2542	GU017	36.0429	80.0016	8.5	185	2.2	-5	21	55800	-28	47900	1200	M	10.6	14000	170	2.1	-1.0	44	13	5.0	-0.5	
2543	GU018	36.0545	80.0268	7.5	60	11.7	16	185	58300	62	57700	1660	14900	6.9	16800	190	4.3	-1.4	17	M	M	1.1	
2544	GU019	36.0896	80.0253	7.3	78	7.7	14	53	76300	63	19500	160	M	4.9	7200	40	2.1	1.7	51	15	5.0	-0.4	0.331
2545	GU020	36.1321	80.0169	7.1	381	13.2	15	144	73000	59	24800	260	M	9.2	2900	70	M	-1.0	69	M	2.8	M	
2547	GU022	36.1779	80.0282	7.5	80	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
2548	GU023	36.2239	80.0316	7.6	78	6.6	18	25	58400	132	28600	200	M	8.1	5300	40	2.6	3.8	46	26	M	-0.3	
2583	GU058	36.1435	80.0149	7.3	60	5.7	10	38	52700	52	19000	M	M	5.9	M	M	1.4	-1.0	28	M	M	-0.2	
3148	IR057	36.0114	80.7910	7.2	32	8.3	84	32	31200	422	18900	300	6800	2.3	3400	40	4.0	-1.2	146	48	M	-0.2	
3149	IR058	36.0103	80.7797	7.1	46	12.0	77	30	33600	436	16800	410	8200	3.7	5300	50	6.6	3.4	130	79	5.3	0.7	
3150	IR059	36.0302	80.7820	7.0	39	6.0	28	32	30000	126	14300	260	M	4.1	1900	20	1.5	-1.0	42	13	9.0	0.6	
3151	IR060	36.0430	80.7438	7.4	56	4.5	18	17	36200	93	16800	440	14400	5.6	2700	20	3.8	-1.0	35	21	M	M	0.405
3152	IR061	36.0058	80.7427	7.2	52	2.8	10	11	36000	39	23800	290	8900	4.6	4100	10	M	M	M	M	5.9	-0.3	0.369
3153	IR062	36.0242	80.8229	7.3	28	10.3	70	26	37300	410	9900	120	M	3.1	4500	20	5.6	-1.5	149	80	4.5	0.5	
3154	IR063	36.0466	80.8458	7.2	31	5.4	43	34	19600	190	12900	330	4400	1.8	4500	20	3.8	-1.0	90	20	M	-0.2	
3155	IR064	36.0551	80.8891	7.4	35	8.6	42	21	28700	206	5000	230	M	2.0	3300	20	3.0	-1.0	68	43	M	0.5	
3156	IR065	36.0480	80.9431	7.3	35	12.6	51	18	38500	281	23000	410	8900	2.9	5700	40	3.6	2.0	90	44	M	1.2	
3157	IR066	36.0411	80.9604	7.1	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
3158	IR067	36.0233	80.9693	7.3	32	15.1	64	89	18500	239	6800	440	15200	2.2	7200	20	3.4	-1.0	78	53	M	1.0	0.735

WINSTON-SALEM 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
3159	IR068	36.0253	80.9945	7.3	34	25.0	127	51	46300	558	20900	380	4400	5.0	9400	20	6.1	2.0	213	91	M	-0.3	
3160	IR069	36.0026	80.9728	7.2	30	4.1	21	24	23100	82	13600	290	7700	3.6	2200	40	2.0	1.7	27	15	M	0.5	
3161	IR070	36.0184	80.9407	7.0	28	35.8	194	92	23500	778	30200	660	4000	4.4	13900	30	12.5	4.6	300	173	M	-0.2	
3162	IR071	36.0163	80.9152	7.1	40	7.5	48	32	22800	229	11800	280	M	2.7	5300	40	4.4	2.1	73	38	M	M	0.312
5080	RC004	36.2723	80.0170	7.5	38	3.8	14	9	24100	30	5200	180	3100	1.8	3400	20	3.2	0.7	M	M	M	M	
5101	RC025	36.3751	80.0134	8.1	58	4.3	4	47	35400	-20	37500	490	7400	3.8	10300	M	2.3	1.2	M	11	M	0.6	
5103	RC027	36.4006	80.0182	7.8	52	8.3	5	77	33100	62	22200	440	8300	4.2	8100	50	3.7	-1.0	11	15	6.0	1.0	
5104	RC028	36.4193	80.0099	7.6	58	5.9	13	59	38200	79	27300	440	M	2.9	8900	M	2.8	-1.0	60	24	5.6	1.3	
5105	RC029	36.4560	80.0148	8.0	46	8.0	6	90	65000	52	31400	420	M	9.6	6400	M	3.5	1.7	31	M	6.0	0.7	
5107	RC031	36.4867	80.0081	7.7	40	10.4	-3	188	33300	-20	43700	740	9700	4.2	10900	50	2.7	-1.0	18	M	5.5	1.1	
5530	S0001	36.4107	80.2526	M	18	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5531	S0002	36.4049	80.2041	M	31	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5532	S0003	36.4263	80.1669	M	71	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5533	S0004	36.4414	80.1381	M	48	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5534	S0005	36.4591	80.0540	M	35	5.3	-1	59	35100	20	17800	280	5900	4.9	2700	20	0.7	1.1	M	M	M	-2.8	
5535	S0006	36.4659	80.0348	M	48	2.7	11	12	63500	75	44800	330	5900	8.4	1700	40	M	-1.0	M	M	M	M	
5541	S0012	36.4857	80.2061	M	53	11.2	5	96	44900	76	21500	620	5700	10.3	14200	100	2.8	-1.0	27	M	8.4	1.0	
5542	S0013	36.4810	80.1748	M	59	8.3	7	77	58000	73	31900	750	7200	7.1	13400	120	2.8	-1.2	18	38	M	1.2	
5543	S0014	36.4917	80.1577	M	45	6.3	-2	53	28400	46	44300	640	4300	6.6	27800	80	4.9	-1.0	24	M	2.4	0.6	0.323
5544	S0015	36.4631	80.1491	M	53	8.9	24	80	55100	147	33500	990	22300	6.0	24000	100	6.6	4.8	45	46	8.0	1.6	
5545	S0016	36.4615	80.1441	M	42	5.1	-2	49	48800	81	30100	590	11900	5.8	15300	80	M	1.7	38	M	3.6	-0.3	
5546	S0017	36.4286	80.2150	M	60	1.8	18	7	62300	46	25100	530	22700	4.7	3300	60	4.4	M	49	14	M	-0.5	
5547	S0018	36.4420	80.2454	M	54	3.6	-3	26	61200	-20	32300	650	17100	9.7	9700	90	4.3	-1.0	19	9	M	-0.3	
5551	S0022	36.4928	80.2990	7.4	92	2.9	5	17	70500	94	39800	870	22800	10.5	3500	140	2.3	4.8	19	16	4.5	0.9	
5552	S0023	36.3872	80.1938	M	53	12.7	18	296	48100	140	41600	1030	12100	9.1	13800	60	5.4	M	36	110	16.9	3.5	
5553	S0024	36.3912	80.1410	M	45	5.1	-3	34	58500	-20	32000	630	8600	5.4	5800	50	3.0	-1.0	23	7	6.9	-0.2	
5554	S0025	36.4040	80.1423	M	57	4.5	-4	35	45100	97	34700	450	11000	3.2	5100	40	2.5	-1.2	M	51	M	-0.3	
5555	S0026	36.4035	80.1033	M	61	3.4	-2	20	41400	-20	26700	940	11400	5.2	12400	70	1.8	-1.0	19	4	M	M	
5556	S0027	36.4266	80.0684	M	58	12.7	21	101	37700	-20	29900	820	8400	4.6	16100	50	7.0	-1.2	18	20	9.1	1.6	
5557	S0028	36.4207	80.0463	M	53	9.7	12	73	17100	44	26200	190	1500	2.9	23800	30	3.5	0.9	M	13	9.5	1.1	
5558	S0029	36.3816	80.0668	M	52	6.5	11	55	17800	-31	43500	1380	6100	3.8	33500	40	4.9	-1.6	25	M	5.9	-0.6	
5559	S0030	36.3748	80.0418	M	58	4.8	-3	29	8600	-20	31300	110	1900	4.1	18000	30	3.9	4.2	15	7	M	0.5	
5560	S0031	36.3479	80.0391	M	93	2.5	-2	17	7000	-35	18600	20	1400	1.6	2000	20	1.0	2.7	26	M	M	M	
5561	S0032	36.3372	80.0557	M	78	2.4	-3	11	10000	-20	20700	50	2800	1.9	2400	30	4.4	-1.0	21	38	M	-0.3	
5562	S0033	36.3171	80.1078	M	80	2.0	-5	9	7100	32	16300	190	2500	0.9	4800	20	M	3.0	22	9	6.3	-0.5	
5563	S0034	36.2843	80.1221	M	68	4.8	7	8	22500	62	-5000	230	4500	3.0	1800	20	2.0	9.9	18	M	M	-0.2	
5564	S0035	36.3011	80.0799	M	41	6.4	16	25	12000	68	39000	100	1800	2.4	900	M	2.3	-1.3	38	29	5.5	1.2	
5565	S0036	36.2591	80.1308	M	79	4.5	5	7	22800	-20	19600	560	9500	4.5	4800	20	2.7	4.6	32	M	M	M	

WINSTON-SALEM 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
5566	S0037	36.2682	80.1676	M	48	3.7	10	5	12900	46	-7300	140	4800	2.1	1000	10	2.1	-1.2	21	209	3.9	-0.6	
5567	S0038	36.2660	80.2249	M	83	3.7	-3	47	48600	92	34500	860	11800	6.2	7900	90	3.8	1.9	24	10	4.1	0.7	0.273
5568	S0039	36.2825	80.2071	M	83	4.3	7	50	15200	53	31400	130	3400	6.0	3900	30	1.3	M	36	24	M	1.4	
5569	S0040	36.2889	80.1588	M	71	4.5	8	44	20000	72	16500	130	3600	4.2	9800	20	4.5	-1.2	15	M	5.4	0.9	0.302
5570	S0041	36.3076	80.1913	M	61	3.0	13	29	16500	75	44800	80	M	4.1	12600	20	3.0	4.1	31	20	M	-0.2	
5571	S0042	36.3353	80.2361	M	46	6.2	-3	118	62500	47	16300	410	26200	2.4	2900	M	2.4	3.8	17	14	7.8	1.3	
5572	S0043	36.3751	80.2483	M	22	4.1	13	47	58000	106	23400	380	3500	2.8	1400	10	0.8	-1.2	26	15	8.4	M	
5573	S0044	36.3580	80.2623	M	44	2.2	-4	31	71000	61	18300	480	23500	3.4	2900	10	2.8	4.0	16	M	M	-0.5	
5574	S0045	36.3552	80.2975	M	48	4.7	-6	41	57000	139	-7600	280	17500	2.6	3000	30	4.3	3.3	28	20	M	1.5	
5575	S0046	36.3220	80.3047	M	69	4.7	9	60	47200	-20	17300	M	1400	3.3	2500	M	4.4	-1.0	45	25	4.3	0.5	
5576	S0047	36.3196	80.2619	M	60	7.6	17	144	55900	142	26300	2980	M	7.1	3700	M	5.3	-1.8	46	34	22.5	3.2	
5577	S0048	36.4142	80.3026	M	45	3.8	9	27	13800	82	12100	M	9400	1.9	6500	20	4.0	-1.0	35	14	M	-0.3	
5578	S0049	36.4200	80.3327	M	40	4.8	-2	38	32600	63	30800	270	2600	3.7	3900	10	4.4	-1.2	36	29	M	1.1	
5579	S0050	36.4407	80.3306	M	46	4.4	9	27	48200	50	32100	610	6700	4.2	11300	80	2.5	8.0	26	8	3.8	-0.3	
5580	S0051	36.4796	80.3505	M	41	9.6	20	83	44000	125	29000	820	7100	4.8	15700	60	10.5	2.7	52	36	18.6	2.2	
5581	S0052	36.4777	80.3272	M	52	15.1	20	170	33900	189	30400	1370	9400	5.3	26200	90	21.6	-1.0	75	39	14.1	2.1	
5586	S0057	36.4867	80.4115	M	45	6.3	40	46	19700	175	-7400	610	2800	2.1	9200	30	7.0	2.9	75	23	M	0.9	
5587	S0058	36.4948	80.3929	M	32	4.5	15	16	35800	108	12400	410	4900	3.5	8100	30	3.5	1.2	54	19	4.4	-0.3	
5588	S0059	36.4528	80.3969	M	35	5.2	8	26	31100	-34	29100	270	3500	3.7	5600	40	1.4	M	M	10	M	0.8	
5589	S0060	36.4591	80.4210	M	43	3.1	5	14	5500	38	17700	60	700	3.4	4600	10	2.8	0.8	20	21	M	0.3	
5590	S0061	36.4215	80.4379	M	64	5.1	5	26	22100	-27	14400	310	4000	3.7	4300	M	4.6	8.8	16	18	5.1	0.8	
5591	S0062	36.4312	80.3973	M	52	5.4	7	44	41800	-20	16500	450	6700	4.3	4900	40	3.1	-1.0	M	98	7.5	1.0	
5592	S0063	36.3984	80.3753	M	47	3.5	15	27	40000	77	9600	160	12300	2.6	1400	10	3.3	-1.2	47	M	4.7	1.2	
5593	S0064	36.3725	80.4188	M	42	1.8	-2	14	23000	-20	12400	320	7300	1.9	4200	40	0.8	2.8	M	M	M	-0.2	
5594	S0065	36.3401	80.4195	M	55	2.4	8	9	35800	-33	22000	290	7700	3.7	4600	40	1.4	-1.9	32	M	M	-0.6	
5595	S0066	36.3539	80.4032	M	43	3.6	4	17	22900	-20	21200	120	4900	3.6	3600	20	M	-1.0	13	M	M	M	
5596	S0067	36.3345	80.3890	M	48	3.3	9	23	15000	55	17800	70	4700	3.3	2700	10	2.7	-1.1	27	9	3.9	1.4	
5597	S0068	36.3062	80.3942	M	57	4.8	-3	69	16400	-20	14500	260	3100	3.4	2300	M	2.3	-1.0	10	78	9.3	0.7	
5598	S0069	36.2837	80.4310	M	56	4.5	-4	38	20800	64	9000	80	6500	6.5	5100	30	4.2	-1.2	92	18	M	0.7	
5599	S0070	36.2666	80.3924	M	60	6.8	9	139	38200	-20	11400	210	3100	2.3	2000	10	3.0	7.2	19	M	7.7	1.7	
5600	S0071	36.2613	80.3234	M	53	14.0	14	308	25900	174	27600	60	4300	3.4	3600	M	5.5	-1.1	65	58	18.3	4.9	
5601	S0072	36.2840	80.2894	M	57	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5602	S0073	36.4116	80.2648	M	17	2.8	17	26	6300	96	12200	60	1300	1.3	8500	10	2.1	5.8	47	41	3.7	1.0	
5603	S0074	36.3735	80.3236	M	39	4.3	5	56	7600	35	10500	20	1900	2.5	4800	M	3.0	1.8	21	M	5.2	0.5	
5604	S0075	36.3330	80.3629	M	48	6.4	8	92	20900	51	9200	110	5400	3.9	4200	10	8.8	6.2	31	23	11.5	2.2	
5605	S0076	36.2923	80.3583	M	52	8.4	11	115	35500	-20	12400	100	1000	2.8	M	20	2.0	-1.0	M	M	8.2	1.2	
5606	S0077	36.2632	80.2747	M	124	2.2	-6	19	51100	139	48400	60	10700	11.3	5800	20	3.3	3.2	44	43	M	-0.6	
5607	S0078	36.3540	80.0887	M	43	2.9	6	26	12900	-20	25500	80	300	2.3	6500	50	1.1	-1.0	9	M	2.3	0.7	

WINSTON-SALEM 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
5608	S0079	36.3285	80.1405	M	71	6.3	14	66	14500	-33	35400	270	1500	3.9	14400	20	M	4.1	35	19	M	1.5	
5609	S0080	36.3323	80.1574	M	58	3.1	-2	38	35200	-20	17300	530	12600	3.5	8800	30	1.6	1.2	14	53	7.0	-0.3	
5610	S0081	36.3694	80.1356	M	65	3.1	M	23	38700	46	17800	60	6800	6.2	5400	10	M	-1.4	35	42	4.5	0.5	
5656	SU001	36.3647	80.9310	6.6	28	1.5	6	25	19300	31	27800	910	2400	4.0	13400	60	M	2.3	M	M	M	M	
5657	SU002	36.3684	80.9324	6.6	27	2.1	8	11	27600	32	25500	1220	7300	4.9	12800	70	M	0.8	M	M	M	M	
5658	SU003	36.3898	80.9172	6.6	23	2.4	21	20	26500	53	49900	1580	4300	5.7	25300	90	3.5	-1.0	M	M	M	M	
5659	SU004	36.4325	80.9163	6.6	20	1.3	-3	16	31600	22	44200	1610	5800	6.9	19200	120	2.3	0.4	M	M	M	M	
5660	SU005	36.4353	80.9106	6.6	20	1.7	-6	36	40100	36	50600	1220	4100	8.2	13700	120	M	1.9	M	M	M	M	
5661	SU006	36.4371	80.8816	6.8	23	1.6	-3	16	40500	46	55900	1390	5600	8.8	14200	110	M	1.0	M	M	M	M	
5662	SU007	36.4482	80.8699	6.7	23	1.3	4	31	30000	-24	37900	1380	5400	6.3	17500	70	M	1.7	M	M	M	M	
5663	SU008	36.2917	80.5625	5.8	45	6.6	6	125	35600	-20	23900	530	5800	8.0	6800	50	M	1.1	M	M	M	M	
5664	SU009	36.3031	80.5249	6.4	39	3.5	16	29	67400	95	47700	510	7100	10.7	2700	70	M	2.3	M	M	M	M	
5665	SU010	36.2661	80.4907	6.7	50	4.3	-3	89	36100	85	23600	560	6900	6.3	M	50	M	0.6	M	M	M	M	
5666	SU011	36.2741	80.4662	6.9	51	4.5	12	92	43900	88	27600	530	10900	8.7	3500	60	M	1.7	M	M	M	M	
5667	SU012	36.2997	80.4785	7.0	52	4.8	12	104	44800	60	18900	430	8300	6.3	2600	50	3.2	0.8	M	M	M	M	
5668	SU013	36.3137	80.4733	7.0	50	4.2	20	63	33900	52	24000	390	6100	6.1	2800	40	2.4	1.4	M	M	M	M	
5669	SU014	36.3332	80.5016	7.1	39	1.9	4	29	19300	-20	11200	220	2700	2.7	5400	30	M	0.9	M	M	M	M	
5670	SU015	36.3559	80.5061	7.0	40	2.9	16	48	35300	64	21600	320	4900	5.5	3500	60	M	2.1	M	M	M	M	
5671	SU016	36.3426	80.4540	6.9	25	4.9	11	116	52500	63	34900	750	13100	8.7	M	50	M	1.7	M	M	M	M	
5672	SU017	36.3640	80.4792	7.3	58	6.9	10	163	27000	110	16800	480	4100	6.7	7500	50	2.3	1.2	M	M	M	M	
5673	SU018	36.3866	80.5301	7.3	81	12.0	25	248	29300	37	51400	1630	4400	7.8	29400	70	14.5	1.2	M	M	M	M	
5674	SU019	36.3724	80.5725	7.2	39	5.1	12	100	30200	69	35000	760	3200	5.2	20400	50	2.6	1.1	M	M	M	M	
5675	SU020	36.3314	80.5725	7.2	51	3.8	-3	71	50200	-20	27500	580	14600	10.0	6500	70	M	2.0	M	M	M	M	
5676	SU021	36.3690	80.6003	7.2	39	2.3	6	48	23300	-24	16100	300	3200	3.4	9400	30	M	0.2	M	M	M	M	
5677	SU022	36.3215	80.5956	7.1	39	4.3	6	89	59200	-20	43700	610	3900	10.0	5900	50	M	2.4	M	M	M	M	
5678	SU023	36.3085	80.6354	7.2	50	5.2	6	126	37200	113	26900	470	8600	9.3	3900	40	1.2	1.7	M	M	M	M	
5679	SU024	36.2883	80.6431	7.2	58	5.0	13	105	46000	68	23800	560	8400	10.6	M	60	M	1.8	M	M	M	M	
5680	SU025	36.2851	80.5922	7.1	42	4.4	16	60	44900	102	22100	440	7800	7.3	1500	50	M	3.5	M	M	M	M	
5681	SU026	36.2500	80.8316	7.3	51	6.5	30	219	54400	213	56100	1150	4700	13.6	M	120	M	2.3	M	M	M	M	
5682	SU027	36.2881	80.8592	7.3	25	3.4	14	72	48200	105	52100	1050	5300	7.8	15500	60	M	4.0	M	M	M	M	
5683	SU028	36.3307	80.8398	7.0	19	3.7	16	56	41800	80	30400	540	11600	5.3	11800	40	M	3.5	M	M	M	M	
5684	SU029	36.3530	80.8524	6.9	25	3.1	11	31	16200	76	39200	1760	3500	3.8	30500	60	M	1.0	M	M	M	M	
5685	SU030	36.3460	80.8753	7.0	27	7.2	45	54	22500	272	88600	4080	3900	6.9	63100	140	12.4	3.9	M	M	M	M	
5686	SU031	36.3771	80.8864	6.8	25	3.5	14	21	31200	61	35000	1660	4400	4.3	27200	70	5.3	1.4	M	M	M	M	
5687	SU032	36.3859	80.8429	7.0	23	1.8	8	25	21000	106	30400	970	3600	4.0	16700	40	M	1.2	M	M	M	M	
5688	SU033	36.4062	80.8021	7.0	29	1.8	-2	30	16100	-20	22800	930	2100	2.7	18400	30	M	0.6	M	M	M	M	
5689	SU034	36.3653	80.8064	6.6	20	1.7	5	22	23600	35	25900	710	2100	4.2	19000	30	M	2.2	M	M	M	M	
5690	SU035	36.3553	80.7827	7.4	31	2.3	-3	34	37200	30	44900	1420	3700	5.7	29500	70	M	0.7	M	M	M	M	

WINSTON-SALEM 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
5691	SU036	36.3348	80.7967	6.9	23	2.8	6	60	26900	97	34500	860	3100	4.7	21800	40	M	-1.0	M	M	M	M	
5692	SU037	36.3106	80.8067	7.1	27	4.1	5	60	17800	36	52200	2590	4000	4.5	48700	100	4.5	1.1	M	M	M	M	
5693	SU038	36.2883	80.8167	6.9	38	10.1	26	141	36100	133	44300	1050	3600	6.4	19800	60	10.3	1.9	M	M	M	M	
5694	SU039	36.2551	80.8017	7.1	50	4.5	-3	68	40700	26	24100	630	3600	5.1	9000	60	3.0	0.5	M	M	M	M	
5695	SU040	36.2691	80.7849	7.0	49	9.1	37	227	37200	204	39300	1100	4000	8.5	M	90	3.7	2.2	M	M	M	M	
5696	SU041	36.4649	80.6321	6.1	40	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5697	SU042	36.4663	80.6610	6.0	40	1.9	5	53	27100	36	28500	850	5600	6.9	11000	50	M	-1.0	M	M	M	M	
5698	SU043	36.4319	80.6465	5.7	31	2.2	-1	19	48700	-20	58400	1300	5000	7.5	M	M	M	-1.0	M	M	M	M	
5699	SU044	36.4341	80.6219	6.9	68	2.3	17	29	49300	50	52900	780	3700	9.9	18100	80	M	1.2	M	M	M	M	
5700	SU045	36.3945	80.6060	6.7	25	4.6	-3	70	40500	-20	29700	640	2500	3.9	21600	40	M	0.6	M	M	M	M	
5701	SU046	36.3825	80.6370	6.8	25	4.9	5	136	26600	-21	44200	760	3400	6.1	26600	40	M	-1.0	M	M	M	M	
5702	SU047	36.3508	80.6542	6.8	34	2.6	-2	29	24000	-20	9500	250	3500	1.4	5700	20	M	-1.0	M	M	M	M	
5703	SU048	36.3382	80.6862	6.9	32	2.7	7	69	31100	-21	37600	1210	6900	5.5	19700	50	M	0.8	M	M	M	M	
5704	SU049	36.2918	80.6925	7.0	58	2.3	-3	32	43700	-20	19600	430	6000	6.7	3900	40	2.7	1.4	M	M	M	M	
5705	SU050	36.2893	80.7210	7.0	40	5.0	10	90	31100	101	23400	540	2300	5.1	8200	40	M	1.2	M	M	M	M	
5706	SU051	36.3002	80.7682	7.0	36	4.2	6	48	30200	-20	27600	1010	3600	4.3	25900	40	4.4	0.6	M	M	M	M	
5707	SU052	36.3137	80.7580	6.9	34	4.7	11	60	47400	55	22000	250	4400	4.7	M	30	4.1	1.7	M	M	M	M	
5708	SU053	36.3352	80.7202	6.9	27	3.2	14	182	M	147	99800	2730	15300	14.2	M	290	M	1.7	M	M	M	M	
5709	SU054	36.3669	80.7177	6.7	35	2.0	6	47	15900	30	39300	1100	3200	3.7	33200	30	M	2.7	M	M	M	M	
5710	SU055	36.3616	80.7326	6.7	25	2.1	-3	20	35200	-20	46000	1320	3600	4.3	M	70	M	-1.0	M	M	M	M	
5711	SU056	36.3808	80.7389	6.5	22	2.6	6	70	18400	-21	39000	980	3100	4.2	25700	40	M	-1.0	M	M	M	M	
5712	SU057	36.3881	80.6740	6.8	46	16.2	-3	19	43500	-20	71800	1730	8700	9.4	M	140	M	-1.0	M	M	M	M	
5713	SU058	36.4161	80.5823	5.8	25	3.2	6	75	30400	39	34300	490	2800	5.5	13500	50	M	2.1	M	M	M	M	
5714	SU059	36.4043	80.5638	6.6	72	6.0	12	98	49700	51	53400	2800	11500	12.9	46700	90	5.1	0.8	M	M	M	-1.3	
5715	SU060	36.4051	80.5597	6.6	49	9.9	18	131	22600	85	42400	1600	6000	5.6	40100	60	2.8	-1.0	M	M	M	-1.9	
5716	SU061	36.3982	80.4891	6.5	45	3.9	-1	30	43600	25	10500	490	6300	4.6	11300	50	1.0	-1.0	M	M	M	-1.0	
5718	SU063	36.4969	80.5414	7.0	48	2.4	5	10	19500	32	31700	3190	40800	6.4	3900	30	0.6	0.6	M	M	M	-1.5	
5724	SU069	36.4730	80.4674	6.7	40	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5725	SU070	36.4584	80.5031	6.9	38	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5726	SU071	36.4352	80.4878	6.9	40	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5727	SU072	36.4368	80.4760	7.1	38	6.6	18	58	28000	128	68300	1520	2500	4.0	51100	80	2.5	3.5	M	M	M	5.7	
5728	SU073	36.4097	80.4711	7.1	42	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5729	SU074	36.4252	80.5185	6.8	30	5.0	13	43	28000	67	26100	570	1400	2.7	15800	40	4.1	1.6	M	M	M	M	
5732	SU077	36.4515	80.5559	7.3	23	4.8	-2	59	25800	-20	32500	950	1300	4.1	22400	40	2.8	-1.0	M	M	M	M	
5733	SU078	36.4660	80.5706	7.1	38	5.5	11	62	44400	56	63600	1850	3300	4.6	41500	70	0.8	-1.0	M	M	M	M	
5741	SU086	36.4556	80.7054	7.1	40	2.5	6	23	29200	38	27200	1020	3000	3.2	18800	50	M	2.6	M	M	M	M	
5742	SU087	36.4227	80.6923	7.2	40	2.6	-3	28	38800	-20	30600	1300	5800	5.6	21700	80	3.6	0.5	M	M	M	M	
5743	SU088	36.4265	80.7142	7.2	32	2.5	5	30	18400	-21	39000	1930	5700	2.2	32800	40	0.9	-1.0	M	M	M	M	

WINSTON-SALEM 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
5744	SU089	36.4126	80.7573	7.3	38	2.7	-2	25	35000	-20	18100	1070	4700	4.4	13300	70	1.1	0.3	M	M	M	M	
5745	SU090	36.4428	80.7667	7.1	28	3.9	-3	41	29400	-21	62100	2900	5100	4.5	36600	80	2.2	1.6	M	M	M	M	
5746	SU091	36.4613	80.7425	7.1	28	4.0	-2	59	23300	-20	53200	3830	6200	3.0	61600	70	2.2	-1.0	M	M	M	M	
5747	SU092	36.4886	80.7383	7.1	38	3.2	7	42	28700	43	38300	1330	5400	2.1	21200	40	M	1.8	M	M	M	M	
5751	SU096	36.4723	80.7892	6.9	28	2.1	-2	22	29700	-20	38900	1630	5100	2.4	26500	40	2.8	1.2	M	M	M	M	
5755	SU100	36.4984	80.8810	6.8	19	2.0	-3	14	43200	-20	46400	1630	6800	4.7	23700	130	0.9	0.6	M	M	M	M	
5757	SU102	36.4693	80.8362	6.6	20	1.6	9	16	30800	-20	21900	1170	8400	2.6	16800	50	1.1	-1.0	M	M	M	M	
5758	SU103	36.4450	80.8154	6.2	32	2.3	8	29	45000	-23	55900	1920	7400	8.5	26100	150	2.4	1.7	M	M	M	M	
6278	WL029	36.0692	80.9973	7.4	10	8.6	30	55	29100	90	12600	270	6300	3.4	3800	10	2.0	1.4	M	M	M	M	
6279	WL030	36.0715	80.9533	7.3	18	8.2	39	24	35400	140	13300	290	6200	2.5	4100	30	3.1	1.0	M	M	M	M	
6280	WL031	36.0950	80.9090	7.5	18	14.7	114	55	39400	483	15400	320	7900	2.6	3600	40	5.4	1.9	M	M	M	M	
6281	WL032	36.1022	80.9422	7.4	15	10.2	96	14	41300	416	15800	550	7700	2.6	6500	M	4.2	1.7	M	M	M	M	
6282	WL033	36.1086	80.9693	7.2	15	29.2	311	63	47600	1177	15000	470	9400	3.0	6500	30	13.2	1.7	M	M	M	M	
6325	WL076	36.1422	80.8941	8.0	17	4.0	14	8	43700	-20	10300	170	4800	1.4	1700	20	M	1.7	M	M	M	M	
6326	WL077	36.1398	80.9267	7.2	29	9.3	78	21	42000	344	14000	270	8200	0.8	1600	10	3.3	2.4	M	M	M	M	
6328	WL079	36.1820	80.9919	7.7	24	6.8	14	59	48400	43	28900	390	4900	10.0	4100	70	1.2	2.0	M	M	M	M	
6329	WL080	36.1942	80.9984	7.6	30	23.8	112	140	27500	443	15200	820	4100	5.8	10400	60	18.4	1.8	M	M	M	M	
6330	WL081	36.1731	80.9670	7.2	21	6.3	58	19	31200	237	14400	220	4000	2.2	4000	20	4.0	1.2	M	M	M	M	
6331	WL082	36.1808	80.9237	7.2	24	20.0	150	44	26700	607	7300	400	3600	1.7	7800	20	18.3	-1.0	M	M	M	M	
6332	WL083	36.1847	80.8824	7.4	18	10.5	119	11	41100	522	14200	350	5600	1.3	7100	20	7.0	-1.0	M	M	M	M	
6333	WL084	36.2142	80.8964	7.4	21	11.6	63	28	29500	226	7700	290	4700	2.6	4000	20	9.9	1.0	M	M	M	M	
6334	WL085	36.1890	80.9453	7.4	30	3.3	30	11	21500	98	9500	170	3500	1.0	2500	10	1.7	1.1	M	M	M	M	
6335	WL086	36.2658	80.8837	7.5	25	5.2	-2	39	41100	30	19000	530	5200	4.3	11500	40	2.1	0.5	M	M	M	M	
6336	WL087	36.3043	80.9204	7.5	11	2.1	10	35	17800	51	24900	560	3300	2.2	14100	20	1.4	1.7	M	M	M	M	
6337	WL088	36.3298	80.9181	7.5	18	2.3	-2	29	27500	-20	25300	1000	4700	4.4	16500	50	1.5	1.5	M	M	M	M	
6338	WL089	36.2575	80.9199	7.3	19	4.1	-2	37	32900	34	23700	410	4800	2.9	6100	30	2.3	1.9	M	M	M	M	
6339	WL090	36.2667	80.9152	7.6	10	6.7	13	161	16300	-20	43000	1620	2800	3.1	61100	40	4.7	-1.0	M	M	M	M	
6341	WL091	36.2798	80.9333	7.3	9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6340	WL091	36.2798	80.9333	7.3	9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6342	WL092	36.2721	80.9561	7.5	9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6343	WL092	36.2721	80.9561	7.5	9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6345	WL093	36.2893	80.9803	7.4	6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6344	WL093	36.2893	80.9803	7.4	6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6347	WL094	36.3402	80.9568	7.5	19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6346	WL094	36.3402	80.9568	7.5	19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6349	WL095	36.3666	80.9606	7.5	21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6348	WL095	36.3666	80.9606	7.5	21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6351	WL096	36.3418	80.9970	7.6	24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	

WINSTON-SALEM 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
6350	WL096	36.3418	80.9970	7.6	24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6363	WL102	36.2626	80.9982	7.1	14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6362	WL102	36.2626	80.9982	7.1	14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6365	WL103	36.2447	80.9753	7.2	14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6631	YD001	36.1337	80.8617	7.2	45	24.4	139	36	45400	587	13500	620	4600	1.1	9600	30	8.7	1.1	M	M	M	M	
6632	YD002	36.1233	80.8605	7.2	35	19.2	193	31	34800	963	21700	690	6100	1.9	8300	10	10.1	1.3	M	M	M	M	
6633	YD003	36.0915	80.8288	7.2	29	15.8	59	71	34300	192	11000	180	4500	2.0	3600	40	3.4	1.1	M	M	M	M	
6634	YD004	36.0760	80.8310	7.1	30	7.5	57	44	28100	248	16800	500	3900	3.6	8300	30	2.9	1.6	M	M	M	M	
6635	YD005	36.0730	80.7831	7.1	41	11.8	52	29	45100	151	7600	340	5100	3.2	6500	30	4.6	0.7	M	M	M	M	
6637	YD006	36.0867	80.7265	7.2	52	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6636	YD006	36.0867	80.7265	7.2	52	10.7	M	47	43500	M	M	620	5700	6.6	2600	50	7.3	M	M	M	M	M	
6638	YD007	36.1143	80.7459	7.4	39	22.6	M	62	42000	M	M	260	5900	3.6	3500	40	8.2	M	M	M	M	M	
6639	YD007	36.1143	80.7459	7.4	39	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6640	YD008	36.0988	80.7078	7.3	39	22.8	M	33	49200	M	M	500	7800	3.9	7400	40	8.6	M	M	M	M	M	
6641	YD008	36.0988	80.7078	7.3	39	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6642	YD009	36.0851	80.6873	7.3	51	2.5	M	7	44000	M	M	730	4600	5.2	6600	80	1.6	M	M	M	M	M	
6643	YD009	36.0851	80.6873	7.3	51	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6645	YD010	36.0515	80.6633	7.4	51	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6644	YD010	36.0515	80.6633	7.4	51	2.8	M	15	48700	M	M	450	10800	4.0	6800	90	2.2	M	M	M	M	M	
6646	YD011	36.0721	80.6281	7.5	100	1.8	M	15	28500	M	M	340	6500	3.1	5200	90	0.9	M	M	M	M	M	
6647	YD011	36.0721	80.6281	7.5	100	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6649	YD012	36.1083	80.6600	7.6	45	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6648	YD012	36.1083	80.6600	7.6	45	10.1	M	18	65600	M	M	500	3800	4.4	1500	50	3.1	M	M	M	M	M	
6650	YD013	36.1049	80.5880	6.2	48	4.8	M	11	58000	M	M	370	6400	4.7	M	40	1.3	M	M	M	M	M	
6651	YD013	36.1049	80.5880	6.2	48	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6653	YD014	36.0988	80.5817	7.0	95	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6652	YD014	36.0988	80.5817	7.0	95	1.5	M	7	26400	M	M	280	7200	3.4	2900	60	M	M	M	M	M	M	
6654	YD015	36.0671	80.5449	7.4	130	1.3	M	11	57500	M	M	1040	8300	13.3	5600	160	M	M	M	M	M	M	
6655	YD015	36.0671	80.5449	7.4	130	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6656	YD016	36.0579	80.5458	7.6	179	1.5	M	14	66300	M	M	1030	11800	12.1	3900	120	4.6	M	M	M	M	M	
6657	YD016	36.0579	80.5458	7.6	179	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6658	YD017	36.0538	80.5264	7.8	143	1.9	-5	24	57500	-23	48000	1610	10200	14.1	6600	170	2.2	1.2	M	M	M	M	
6659	YD018	36.1058	80.5136	7.4	172	4.4	15	39	54300	67	31100	640	11500	8.9	9400	90	2.1	1.9	M	M	M	M	
6660	YD019	36.1159	80.5070	7.9	60	7.9	23	83	50800	274	54200	1330	9500	12.4	30000	140	7.2	7.4	M	M	M	M	
6661	YD020	36.1439	80.5065	7.7	63	5.1	6	56	64000	36	27500	750	12600	7.8	7200	70	3.6	1.4	M	M	M	M	
6662	YD021	36.1347	80.5508	7.4	48	4.4	27	30	61200	189	42900	600	12900	5.1	9300	70	2.7	2.9	M	M	M	M	
6663	YD022	36.1165	80.5596	7.1	68	8.9	33	68	38300	190	21300	590	6100	4.1	12900	80	8.8	1.5	M	M	M	M	
6664	YD023	36.1395	80.7559	7.6	32	17.9	107	23	44700	560	13000	300	6800	2.0	4100	30	6.2	4.1	M	M	M	M	

WINSTON-SALEM 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
6665	YD024	36.1375	80.7814	7.4	31	44.7	202	38	35600	806	9000	340	3400	2.3	7200	30	22.3	5.8	M	M	M	M	
6666	YD025	36.1426	80.8060	7.0	31	30.5	165	34	30500	741	13200	130	3300	2.1	3300	30	14.9	0.6	M	M	M	M	
6667	YD026	36.1637	80.6681	7.1	51	10.5	30	55	37100	184	25000	470	3900	4.3	9200	60	8.3	1.0	M	M	M	M	
6668	YD027	36.1547	80.7272	7.5	33	21.3	189	24	28900	878	17700	510	4600	2.0	5100	20	12.5	2.3	M	M	M	M	
6669	YD028	36.1820	80.7317	7.2	38	38.4	305	41	22700	1258	14900	330	3900	1.9	5100	20	28.7	0.6	M	M	M	M	
6670	YD029	36.2107	80.7065	7.2	51	13.0	67	46	27300	324	21600	410	4800	5.9	5400	50	9.7	3.4	M	M	M	M	
6671	YD030	36.2083	80.6832	7.4	62	25.2	100	94	41800	673	29900	660	6700	5.5	12100	60	19.3	7.0	M	M	M	M	
6672	YD031	36.1709	80.6316	7.4	46	28.9	108	191	39300	786	59000	1230	5500	5.5	31800	110	17.5	13.2	M	M	M	M	
6673	YD032	36.1789	80.6173	7.3	39	8.6	14	54	39000	162	25700	600	5400	4.9	15100	60	5.1	2.0	M	M	M	M	
6674	YD033	36.1991	80.7877	7.8	32	5.0	40	11	32100	147	11900	170	6300	1.0	1900	20	2.7	1.0	M	M	M	M	
6675	YD034	36.2177	80.8254	7.4	35	27.6	213	30	31200	845	12100	430	5100	1.5	8100	30	17.9	0.7	M	M	M	M	
6676	YD035	36.2392	80.8217	7.1	40	6.5	31	20	41500	183	17100	440	4900	5.0	3000	50	4.0	-1.0	M	M	M	M	
6677	YD036	36.2420	80.7739	7.3	39	9.4	23	53	27700	143	7900	320	4700	6.0	1900	40	5.8	0.7	M	M	M	M	
6678	YD037	36.2536	80.6902	7.4	70	7.6	36	41	29500	277	31200	410	4300	3.4	6500	30	7.1	3.1	M	M	M	M	
6679	YD038	36.2369	80.6311	7.7	48	9.5	16	132	33100	36	28500	940	5200	6.9	17500	100	4.1	1.7	M	M	M	M	
6680	YD039	36.2608	80.5844	7.5	39	7.1	18	98	42000	143	26700	780	6400	6.8	12500	60	M	2.5	M	M	M	M	
6681	YD040	36.2580	80.5429	7.6	50	2.8	9	18	55900	60	22800	630	15700	5.7	M	70	1.8	1.3	M	M	M	M	
6682	YD041	36.2411	80.5269	8.0	52	8.7	8	116	58300	164	33200	520	14500	10.3	5700	70	3.3	1.7	M	M	M	M	
6683	YD042	36.2068	80.5738	8.0	51	3.8	-3	56	40500	-20	17200	370	8200	7.0	5600	40	2.2	1.1	M	M	M	M	
6684	YD043	36.1492	80.5713	7.7	40	6.5	29	42	38100	198	39700	580	6400	5.5	12300	70	7.3	2.3	M	M	M	M	
6685	YD044	36.1508	80.5686	7.5	58	9.0	15	61	33800	111	30200	640	7200	7.8	13200	70	5.7	2.3	M	M	M	M	
6686	YD045	36.1786	80.5356	7.8	51	4.4	18	60	45600	100	28600	590	10500	6.8	9200	60	3.8	2.2	M	M	M	M	
6687	YD046	36.1560	80.4865	7.5	69	8.3	8	148	48700	61	51500	1390	11400	9.1	27300	110	3.7	1.7	M	M	M	M	
6688	YD047	36.1604	80.4616	7.6	62	8.7	20	120	37900	268	46800	980	8100	5.7	23000	80	5.9	3.1	M	M	M	M	
6689	YD048	36.1891	80.4608	7.5	71	4.4	-3	60	43000	66	22000	680	11800	8.1	4500	50	5.4	1.4	M	M	M	M	
6690	YD049	36.2304	80.4605	7.8	57	8.1	6	137	56300	100	45500	870	14900	8.3	5800	80	6.1	2.6	M	M	M	M	

GALAX 100K SHEET - 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
60	AG001	36.5533	80.9098	1.1	0.5	1	155	1.5	-100	12	8	13	8000	20	1300	-2	15	20	400	25	3	-5	.	-2	-5	95
61	AG002	36.5535	80.9558	0.7	0.5		102	1.5	-100	10	14	9	7000	7	1950	3	10	25	400	10	2	-5	.	-2	-5	40
62	AG003	36.5377	80.9553	0.7	0.4	2	145	1.0	-100	12	11	10	10000	-5	1550	-2	10	22	500	10	2	-5	.	-2	-5	42
63	AG004	36.5570	80.9847	1.1	0.6	1	190	2.0	-100	12	11	11	8000	-5	2700	-2	50	25	500	12	1	-5	.	-2	-5	77
64	AG005	36.5596	80.9851	1.2	0.5	1	277	1.5	400	12	11	12	9000	-5	1600	-2	50	25	600	15	5	-5	.	-2	-5	77
65	AG006	36.5484	80.9948	0.7	0.5	2	175	1.0	-100	7	7	8	8000	5	1450	-2	50	17	500	10	6	-5	.	-2	-5	40
66	AG007	36.5518	80.9921	0.9	0.4	1	265	1.5	-100	10	14	9	9000	-5	2350	-2	45	22	600	15	6	-5	.	-2	-5	55
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
107	AG048	36.5327	80.9840	0.8	0.3		100	2.0	-100	10	-5	9	11000	11	1600	-2	10	12	600	12	2	-5	.	-2	-5	50
108	AG049	36.5078	80.9860	0.3	0.4	1	157	2.0	-100	7	6	7	12000	12	2250	-2	15	12	600	-10	2	-5	.	-2	-5	32
109	AG050	36.5019	80.9524	0.4	0.3		62	1.0	-100	-5	8	5	9000	8	2750	-2	45	7	600	-10	-1	-5	.	-2	-5	12
3241	RC032	36.5016	80.0076	0.7	0.6	2	162	1.5	-100	10	5	9	18000	5	2200	-2	5	10	200	-10	1	-5	.	-2	-5	50
3242	RC033	36.5281	80.0172	0.4	0.2	1	675	2.0	-100	5	5	4	19000	-5	700	-2	-5	5	100	-10	-1	-5	.	-2	-5	42
3639	S0007	36.5332	80.0930	1.0	0.1		90	1.0	200	-5	17	6	8000	6	2750	-2	10	5	700	-10	-1	-5	.	-2	-5	15
3640	S0008	36.5314	80.1417	2.6	0.2	1	27	1.0	200	5	39	5	4000	-5	2000	-2	15	5	800	-10	1	60	.	2	10	17
3641	S0009	36.5384	80.1906	2.1	0.2	1	15	0.5	100	-5	7	5	6000	6	1250	-2	5	5	500	-10	-1	-5	.	2	-5	15
3642	S0010	36.5151	80.2041	0.7	0.3		155	1.0	200	-5	33	7	5000	5	900	-2	15	10	800	-10	1	10	.	-2	15	20
3643	S0011	36.5168	80.2239	0.7	0.1	0	47	1.0	200	-5	21	6	4000	-5	1300	-2	10	5	700	-10	-1	-5	.	2	-5	15
3651	S0019	36.5015	80.2517	0.3	0.2	1	150	1.0	200	15	23	30	3000	-5	850	-2	5	22	900	-10	-1	-5	.	-2	5	.
3652	S0020	36.5286	80.2690	1.4	0.2	0	110	0.5	300	-5	5	5	7000	5	800	-2	10	5	800	-10	2	-5	.	2	-5	15
3653	S0021	36.5247	80.3072	1.0	0.1	0	272	1.0	800	7	10	14	6000	5	950	-2	10	12	1000	-10	-1	5	.	-2	5	47
3685	S0053	36.5276	80.3712	0.4	0.1		22	1.0	200	-5	5	4	7000	12	2000	-2	30	5	700	-10	-1	5	.	-2	-5	12
3686	S0054	36.5394	80.3511	1.1	-0.1	1	12	1.0	100	-5	5	5	2000	10	5000	-2	30	-5	900	-10	-1	-5	.	-2	10	37
3687	S0055	36.5456	80.4115	0.7	-0.1	0	55	1.5	300	5	5	8	8000	8	2250	2	10	10	700	-10	-1	5	.	-2	-5	22
3688	S0056	36.5043	80.4255	0.7	0.2	0	57	0.5	200	-5	-5	4	11000	12	1200	-2	-5	5	500	-10	2	-5	.	2	10	12
3820	SU062	36.5048	80.5579	0.4	-0.1	1	130	1.5	100	7	7	15	8000	19	3550	2	25	7	1200	12	1	15	.	2	-5	35
3822	SU064	36.5538	80.4844	0.3	0.3		12	1.5	200	-5	7	5	3000	11	2300	-2	20	5	1200	-10	-1	5	.	-2	-5	15
3823	SU065	36.5405	80.4631	0.3	0.2		7	1.5	300	-5	6	4	6000	14	2550	-2	50	5	900	-10	2	-5	.	-2	5	20
3824	SU066	36.5189	80.4538	0.7	-0.1	7	110	1.0	300	-5	5	2	15000	14	1450	2	25	-5	1000	10	-1	10	.	2	-5	12
3825	SU067	36.5040	80.4552	1.4	-0.1	3	217	1.5	100	-5	6	4	13000	22	1450	3	25	-5	600	12	1	-5	.	-2	-5	30
3826	SU068	36.5078	80.4914	0.7	-0.1	3	22	1.0	100	-5	10	2	4000	14	1250	-2	25	-5	400	10	-1	-5	.	-2	-5	15
3833	SU075	36.5550	80.5724	0.7	0.5	0	102	0.5	100	-5	5	6	3000	5	1250	-2	20	-5	800	-10	1	-5	.	-2	-5	18
3834	SU076	36.5378	80.5841	0.3	0.4		7	1.0	100	-5	9	4	3000	8	1850	-2	30	-5	600	-10	1	-5	.	-2	-5	15
3837	SU079	36.5431	80.6294	0.7	0.3	0	27	0.5	100	-5	10	7	5000	10	1400	2	30	5	700	-10	2	-5	.	-2	-5	20
3838	SU080	36.5383	80.6672	0.7	0.8	1	250	1.0	700	5	11	18	4000	12	600	-2	25	10	1000	-10	1	-5	.	-2	-5	40

GALAX 100K SHEET - 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
3839	SU081	36.5521	80.7142	1.0	0.5	0	172	0.5	200	8	10	10	7000	11	1950	-2	40	7	600	-10	1	-5	.	-2	-5	30
3840	SU082	36.5126	80.6796	0.6	0.4	0	12	-0.5	-100	5	8	4	2000	6	650	-2	25	-5	600	-10	1	-5	.	-2	-5	13
3841	SU083	36.5042	80.6702	0.6	0.6		150	1.0	800	-5	9	11	5000	7	650	-2	50	5	1000	-10	1	5	.	-2	5	28
3842	SU084	36.5021	80.6964	0.6	0.4	1	22	-0.5	100	5	8	11	2000	-5	550	-2	15	-5	400	-10	1	-5	.	2	-5	15
3843	SU085	36.5290	80.7122	0.8	0.5	0	12	0.5	-100	5	10	7	2000	5	1150	-2	50	-5	400	-10	1	5	.	-2	-5	13
3851	SU093	36.5368	80.8004	1.0	0.7	0	75	0.5	-100	-5	7	6	3000	7	1400	-2	20	5	600	-10	1	5	.	-2	10	20
3852	SU094	36.5317	80.7726	0.3	0.5	0	22	0.5	-100	-5	10	5	5000	6	1800	2	25	5	500	-10	1	50	.	-2	-5	10
3853	SU095	36.5018	80.7633	1.0	0.5	0	25	0.5	-100	-5	10	5	2000	6	400	-2	20	-5	600	-10	1	5	.	-2	-5	8
3855	SU097	36.5418	80.8695	0.6	0.8	0	57	0.5	100	8	10	12	3000	5	1500	-2	45	10	600	-10	1	10	.	-2	5	25
3856	SU098	36.5264	80.8607	0.6	0.3	1	62	1.0	100	-5	11	9	4000	8	850	-2	45	8	500	-10	1	-5	.	-2	5	20
3857	SU099	36.5198	80.8862	1.4	0.7		55	0.5	100	-5	12	8	3000	6	1900	-2	50	5	600	-10	1	-5	.	-2	-5	23
3859	SU101	36.5087	80.8450	0.3	0.7		67	0.5	-100	-5	9	7	1000	6	450	-2	50	5	600	-10	1	-5	.	-2	-5	18

WINSTON-SALEM 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
111	AG052	36.4853	80.9756	0.2	0.3		142	1.5	100	-5	7	7	9000	7	2500	-2	50	10	600	-10	3	-5	.	-2	-5	32
112	AG053	36.4482	80.9942	0.3	0.2	1	10	0.5	-100	-5	5	2	2000	6	1900	-2	20	7	600	-10	3	-5	.	-2	-5	10
114	AG055	36.4070	80.9935	0.4	0.2		20	1.0	-100	5	-5	7	7000	11	1500	-2	15	10	500	47	2	-5	.	-2	-5	202
1124	DE001	36.0243	80.4414	2.3	0.2	1	265	1.0	400	-5	8	2	15000	6	1700	2	35	-5	300	10	-1	-5	.	-2	20	10
1125	DE002	36.0328	80.4960	1.2	0.3		215	1.0	1800	5	9	5	4000	-5	4700	4	40	-5	300	-10	-1	-5	.	-2	15	10
1126	DE003	36.0370	80.5170	0.7	0.5		52	1.5	900	8	14	7	1000	-5	3650	-2	-5	-5	400	-10	-1	5	.	-2	-5	13
1127	DE004	36.0160	80.5425	0.7	0.2	0	37	1.0	800	8	22	4	1000	-5	4300	-2	25	-5	400	-10	1	-5	.	2	-5	8
1128	DE005	36.0045	80.4972	0.6	0.3	0	45	0.5	700	8	32	4	1000	-5	7850	-2	20	5	300	-10	-1	-5	.	2	-5	5
1134	DE011	36.0061	80.5927	0.6	0.3	0	95	1.0	300	-5	19	4	4000	-5	500	-2	25	-5	200	-10	1	5	.	-2	-5	10
1135	DE012	36.0351	80.6191	0.6	-0.1	1	47	1.5	200	5	12	5	4000	12	450	-2	25	-5	200	-10	-1	5	.	-2	5	15
1136	DE013	36.0338	80.6800	0.7	0.2	0	77	1.0	400	-5	30	3	3000	-5	1550	-2	10	-5	100	-10	-1	-5	.	2	-5	10
1137	DE014	36.0191	80.6535	0.6	0.4	1	122	1.0	200	8	29	5	4000	-5	1150	-2	-5	-5	200	-10	-1	-5	.	2	5	15
1138	DE015	36.0146	80.6296	3.4	0.6		297	1.5	100	-5	9	4	14000	8	1050	-2	-5	-5	400	-10	1	-5	.	-2	5	20
1140	DE017	36.0004	80.6809	0.6	0.2	0	145	0.5	300	8	8	7	2000	-5	1400	2	5	10	300	-10	-1	10	.	4	5	15
1166	DE043	36.0003	80.4473	1.4	0.2		127	1.0	200	-5	12	4	10000	-5	3150	-2	25	-5	200	-10	-1	5	.	2	5	8
1349	DV006	36.0132	80.1008	1.6	0.4	0	245	1.0	100	5	8	3	13000	-5	600	-2	35	-5	200	-10	2	15	.	-2	35	5
1351	DV008	36.0143	80.1370	2.1	0.4	0	467	1.5	100	-5	9	2	16000	-5	1250	-2	20	-5	200	-10	-1	-5	.	-2	5	13
1352	DV009	36.0194	80.1649	1.6	0.3	1	1045	1.5	400	-5	10	2	30000	-5	800	2	20	-5	400	-10	-1	10	.	-2	10	18
1423	FO001	36.0284	80.3925	2.1	-0.1	1	7	1.0	500	10	13	6	7000	13	11950	-2	5	-5	700	-10	1	10	.	-2	-5	10
1424	FO002	36.0333	80.4099	2.1	-0.1	2	212	1.0	600	5	11	5	14000	6	3200	-2	15	5	800	-10	-1	-5	.	2	-5	12
1425	FO003	36.0336	80.4324	1.9	-0.1	5	95	0.5	300	-5	8	2	18000	6	1900	-2	20	-5	800	-10	-1	5	.	2	-5	10
1426	FO004	36.0760	80.4219	2.7	-0.1	2	12	1.0	200	-5	12	6	9000	13	2500	-2	10	-5	800	-10	3	-5	.	-2	145	10
1427	FO005	36.0530	80.4473	2.5	-0.1	2	5	0.5	300	-5	5	4	10000	11	6950	-2	20	-5	600	-10	-1	-5	.	-2	55	7
1428	FO006	36.0728	80.4532	3.4	-0.1	0	5	1.5	200	-5	8	8	15000	16	3800	-2	5	-5	700	10	-1	-5	.	3	95	12
1429	FO007	36.0716	80.4730	2.3	-0.1	2	35	1.0	600	5	18	4	6000	6	7950	-2	25	-5	600	-10	-1	5	.	-2	-5	7
1430	FO008	36.0783	80.5060	3.1	-0.1	3	35	1.0	700	-5	13	4	6000	7	4350	-2	30	5	800	-10	1	5	.	-2	-5	10
1431	FO009	36.1119	80.4864	1.8	-0.1		20	1.0	700	10	13	6	2000	5	6950	-2	40	10	800	-10	-1	-5	.	2	5	15
1432	FO010	36.0942	80.4403	3.0	-0.1	2	22	1.5	300	-5	10	4	17000	13	3000	-2	5	-5	800	-10	-1	5	.	2	-5	12
1433	FO011	36.1240	80.4432	1.1	-0.1	2	22	1.0	700	5	14	3	2000	6	1850	-2	15	-5	700	-10	-1	-5	.	-2	-5	10
1434	FO012	36.1444	80.4272	2.5	-0.1	1	10	1.0	200	5	8	3	4000	9	1900	-2	10	-5	600	-10	-1	10	.	2	-5	7
1435	FO013	36.1579	80.4127	2.6	-0.1	0	267	1.0	500	7	52	5	10000	6	2950	-2	20	7	700	10	-1	15	.	2	-5	17
1436	FO014	36.1748	80.4090	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
1437	FO015	36.1630	80.3939	2.8	-0.1	2	40	1.0	200	-5	105	4	5000	8	3000	-2	15	-5	800	10	-1	-5	.	-2	35	10
1438	FO016	36.1334	80.1863	2.3	-0.1	2	15	1.0	200	-5	9	2	6000	9	4050	3	10	-5	700	-10	-1	-5	.	2	95	7
1439	FO017	36.1687	80.1631	2.3	-0.1	1	22	1.5	100	-5	14	7	10000	12	2250	-2	5	5	800	15	-1	-5	.	-2	10	27
1440	FO018	36.1414	80.1355	2.1	-0.1	6	60	1.5	100	-5	6	3	14000	12	2250	-2	5	-5	800	-10	2	-5	.	2	15	12
1441	FO019	36.1270	80.1129	2.1	0.4	1	117	1.5	200	-5	8	6	17000	13	2450	-2	10	-5	1100	17	-1	5	.	-2	-5	32

WINSTON-SALEM 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
1442	F0020	36.0969	80.0695	2.2	-0.1	6	510	1.5	200	-5	7	10	19000	17	750	-2	5	5	1000	27	-1	5	.	-2	-5	47
1443	F0021	36.0844	80.0437	1.6	0.2		510	1.0	400	-5	7	4	27000	8	2050	-2	10	-5	1000	-10	2	-5	.	-2	10	15
1444	F0022	36.0626	80.0487	1.1	-0.1	0	407	1.0	400	-5	10	-2	28000	6	1300	-2	40	-5	1100	-10	-1	10	.	-2	-5	10
1445	F0023	36.0228	80.0733	1.0	-0.1		50	1.0	100	-5	9	3	16000	6	2850	-2	40	-5	900	-10	-1	-5	.	-2	-5	10
1446	F0024	36.0454	80.0817	1.5	-0.1	0	817	1.0	400	-5	9	2	25000	6	1150	-2	5	-5	900	-10	-1	-5	.	-2	-5	12
1447	F0025	36.0588	80.0946	0.9	-0.1	0	17	1.0	200	-5	-5	2	29000	12	3250	-2	5	-5	600	-10	-1	-5	.	-2	10	12
1448	F0026	36.0274	80.1256	1.1	-0.1	0	447	1.0	300	-5	22	2	30000	8	900	-2	15	-5	800	-10	-1	20	.	-2	-5	17
1449	F0027	36.0795	80.1368	1.1	-0.1	2	152	1.0	300	-5	11	2	15000	6	1350	-2	15	-5	800	-10	-1	-5	.	-2	5	10
1450	F0028	36.0451	80.1678	1.1	-0.1	0	172	1.0	200	5	13	4	20000	10	1200	-2	5	-5	600	-10	-1	-5	.	-2	15	12
1451	F0029	36.0351	80.1950	1.0	-0.1	1	100	1.0	100	-5	11	2	28000	8	2550	-2	5	-5	600	-10	-1	-5	.	-2	-5	7
1452	F0030	36.0470	80.1972	2.1	-0.1	20	155	4.0	500	7	9	13	15000	51	2450	-2	10	7	1000	60	-1	5	.	-2	-5	75
1453	F0031	36.0151	80.2339	1.0	0.2	0	725	1.5	600	5	15	7	23000	8	900	-2	5	5	1000	-10	-1	5	.	-2	-5	25
1454	F0032	36.0003	80.2603	1.5	-0.1		797	1.5	900	-5	7	2	22000	6	550	-2	10	-5	1100	-10	2	10	.	-2	5	20
1455	F0033	36.0092	80.2868	1.1	-0.1	4	347	1.5	200	-5	5	4	28000	9	950	-2	15	-5	800	-10	-1	5	.	-2	-5	15
1456	F0034	36.0329	80.2863	1.0	-0.1	1	80	1.0	200	-5	5	3	20000	8	2750	4	5	-5	800	-10	-1	-5	.	2	15	12
1457	F0035	36.0294	80.2635	2.1	-0.1	2	115	1.0	800	-5	9	5	17000	8	2200	-2	10	-5	1100	-10	-1	15	.	-2	10	20
1458	F0036	36.0036	80.3206	2.3	-0.1	0	512	1.5	400	5	7	5	19000	8	1650	-2	15	-5	1000	12	-1	5	.	-2	-5	27
1459	F0037	36.0502	80.3390	2.3	0.2	1	72	1.0	400	5	9	9	14000	12	1900	-2	20	5	800	27	-1	-5	.	2	20	45
1460	F0038	36.1769	80.0362	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
1461	F0039	36.1641	80.0509	2.0	0.2	0	195	1.5	400	5	8	7	13000	8	1650	-2	5	7	800	-10	-1	5	.	-2	-5	30
1462	F0040	36.1729	80.0844	0.9	0.2	0	110	1.0	400	-5	10	4	24000	7	3950	-2	20	-5	800	-10	-1	15	.	-2	5	12
1463	F0041	36.1930	80.1086	.	.	11	.	.	.	.	9	.	.	.	.	2	15	.	.	.	-1	-5	.	-2	185	.
1464	F0042	36.2484	80.1269	1.1	-0.1		255	1.0	400	-5	9	3	22000	5	1350	-2	10	-5	700	-10	-1	-5	.	2	-5	7
1465	F0043	36.2515	80.1626	2.3	-0.1	1	60	1.0	800	-5	9	5	17000	8	1550	-2	5	-5	1100	-10	-1	5	.	-2	5	20
1466	F0044	36.2186	80.1830	1.1	-0.1	0	22	1.0	300	-5	9	4	13000	9	1850	-2	10	-5	700	-10	-1	-5	.	-2	5	12
1467	F0045	36.2213	80.1554	1.0	-0.1	0	137	1.5	800	-5	8	4	18000	7	1550	2	5	-5	600	-10	-1	5	.	-2	5	12
1468	F0046	36.2299	80.0998	1.0	-0.1	0	117	1.5	200	-5	8	3	16000	6	1850	-2	45	-5	900	10	-1	-5	.	2	35	7
1469	F0047	36.2023	80.0713	1.4	-0.1	0	107	2.0	200	12	8	8	14000	12	1350	-2	10	10	900	15	-1	10	.	2	5	30
1470	F0048	36.1985	80.0507	1.2	-0.1	0	102	1.0	800	-5	6	4	16000	5	2700	-2	15	-5	900	-10	-1	-5	.	2	-5	12
1471	F0049	36.1976	80.1378	2.1	-0.1	1	27	1.0	100	-5	10	3	18000	14	1150	-2	15	-5	1000	-10	-1	20	.	-2	495	12
1472	F0050	36.1812	80.2239	1.2	-0.1	2	7	0.5	100	-5	10	2	7000	9	1250	-2	5	-5	500	-10	-1	-5	.	-2	5	7
1473	F0051	36.2078	80.2338	1.1	-0.1	0	17	0.5	-100	5	16	5	6000	5	3700	-2	5	7	800	-10	-1	5	.	-2	5	15
1474	F0052	36.2309	80.2492	1.1	0.3	0	222	1.5	700	7	10	6	3000	5	1400	-2	20	7	800	-10	-1	-5	.	-2	-5	25
1475	F0053	36.2461	80.2392	1.2	0.2	0	93	1.0	400	10	30	8	12000	7	1800	-2	15	7	800	-10	-1	-5	.	-2	-5	25
1476	F0054	36.2519	80.2910	1.2	-0.1	0	110	1.0	900	-5	9	3	13000	5	4100	-2	5	-5	1000	-10	-1	10	.	-2	5	15
1477	F0055	36.2104	80.3241	1.2	-0.1	0	190	1.0	400	-5	10	5	15000	-5	1400	-2	15	-5	1000	-10	-1	-5	.	-2	-5	20
1478	F0056	36.2042	80.3688	1.2	-0.1	0	127	1.0	300	-5	8	5	14000	6	2050	-2	15	-5	900	-10	-1	-5	.	2	-5	17
1479	F0057	36.2010	80.4154	1.1	0.2	8	17	0.5	700	5	7	4	13000	6	4450	2	15	-5	1100	-10	-1	-5	.	2	-5	17

WINSTON-SALEM 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
1480	F0058	36.1221	80.3962	1.1	-0.1	0	12	0.5	200	-5	10	5	-1000	5	3350	3	20	-5	800	-10	-1	-5	.	2	-5	7
1481	F0059	36.1189	80.4228	1.1	0.2	1	5	0.5	300	-5	7	6	2000	6	2950	2	15	-5	800	-10	-1	-5	.	-2	-5	12
1482	F0060	36.0249	80.3537	2.5	-0.1	0	10	1.0	400	-5	30	5	10000	11	5950	-2	15	-5	800	-10	-1	-5	.	-2	-5	10
1483	F0061	36.0081	80.3813	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
1484	F0062	36.0706	80.3509	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
1485	F0063	36.0751	80.3652	1.5	0.3	0	32	0.5	100	-5	14	5	12000	8	2900	-2	5	-5	700	-10	-1	20	.	-2	-5	30
1486	F0064	36.1000	80.3848	2.1	0.3	0	55	0.5	100	-5	11	8	20000	11	3250	-2	10	5	700	-10	2	-5	.	2	-5	20
1487	F0065	36.1177	80.3387	2.0	0.3	0	32	1.5	200	5	10	8	12000	16	1950	-2	20	7	800	55	-1	-5	.	-2	15	27
1488	F0066	36.1412	80.3494	1.0	-0.1		27	1.0	200	5	10	5	9000	6	2700	-2	10	5	600	-10	3	-5	.	-2	-5	15
1489	F0067	36.1723	80.3419	1.1	0.2	0	107	0.5	300	7	12	5	13000	5	1750	-2	15	5	800	-10	2	-5	.	-2	5	22
1490	F0068	36.1946	80.2933	0.7	0.3	0	130	1.5	500	7	8	7	10000	5	3300	-2	25	5	1100	-10	2	-5	.	-2	5	-5
1491	F0069	36.2552	80.2137	0.3	-0.1	0	160	0.5	400	5	15	5	6000	6	3800	-2	15	7	700	-10	3	-5	.	2	-5	12
1492	F0070	36.2382	80.3105	0.6	0.2	0	42	0.5	200	5	5	3	14000	5	2500	3	15	5	700	-10	2	-5	.	-2	5	20
1493	F0071	36.2414	80.3423	0.3	0.2	0	207	1.0	500	5	7	4	15000	-5	1850	2	5	5	600	-10	1	-5	.	-2	-5	10
1494	F0072	36.2567	80.3232	0.6	0.2		60	1.0	100	-5	5	7	22000	5	1600	-2	15	-5	600	-10	1	-5	.	-2	15	25
1495	F0073	36.2401	80.3953	0.7	-0.1	0	227	1.0	500	5	6	7	22000	-5	1400	-2	10	7	700	10	1	-5	.	-2	-5	30
1496	F0074	36.2199	80.4011	0.6	-0.1	0	137	0.5	400	5	7	5	18000	-5	2500	2	15	-5	700	-10	-1	-5	.	2	5	15
1497	F0075	36.2325	80.4350	0.7	-0.1	1	287	1.0	100	-5	8	2	26000	5	1050	2	20	-5	700	10	2	-5	.	2	-5	35
1498	F0076	36.2570	80.4418	0.7	0.3	1	105	1.0	200	-5	7	3	16000	-5	1400	2	5	-5	800	-10	1	-5	.	-2	5	15
1738	GU016	36.0167	80.0243	2.5	0.3	1	75	1.5	200	12	10	12	5000	-5	2700	-2	15	10	300	12	-1	10	.	-2	-5	32
1739	GU017	36.0429	80.0016	0.5	0.1	1	42	1.5	-100	15	10	9	18000	-5	5250	-2	15	5	400	-10	-1	-5	.	-2	-5	27
1740	GU018	36.0545	80.0268	1.6	0.4	1	18	2.4	100	14	8	7	59000	11	3550	-2	60	9	200	-10	1	5	.	-2	-5	6
1741	GU019	36.0896	80.0253	3.1	0.4	1	1022	2.5	-100	10	15	6	55000	9	2050	-2	30	10	500	10	-1	-5	.	-2	-5	42
1742	GU020	36.1321	80.0169	2.0	0.4		772	2.0	-100	7	5	5	54000	7	2050	-2	10	5	600	-10	-1	5	.	-2	30	42
1744	GU022	36.1779	80.0282	12.1	0.5	1	150	2.5	200	15	10	12	45000	13	2550	-2	10	10	400	15	2	5	.	-2	-5	50
1745	GU023	36.2239	80.0316	1.4	0.5	1	102	2.0	-100	12	10	7	39000	11	2450	-2	15	10	300	-10	1	-5	.	-2	-5	42
1780	GU058	36.1435	80.0149	1.0	0.1	1	247	2.0	-100	5	10	3	55000	9	2200	-2	10	10	500	-10	-1	-5	.	-2	-5	27
2089	IR057	36.0114	80.7910	1.7	0.1		117	1.0	100	-5	11	5	9000	10	1200	-2	-5	5	300	-10	1	-5	.	-2	-5	23
2090	IR058	36.0103	80.7797	2.1	0.4		150	1.0	100	5	9	4	13000	16	1550	-2	-5	5	400	-10	-1	-5	.	-2	5	20
2091	IR059	36.0302	80.7820	2.5	0.3		150	1.0	100	5	7	4	11000	7	300	-2	-5	-5	300	-10	-1	-5	.	-2	-5	15
2092	IR060	36.0430	80.7438	2.2	0.3	1	55	1.5	800	8	17	7	12000	6	350	-2	20	10	600	-10	-1	-5	.	-2	-5	28
2093	IR061	36.0058	80.7427	1.0	0.3	1	72	1.0	100	-5	7	4	12000	5	450	-2	-5	-5	200	-10	-1	-5	.	-2	-5	10
2094	IR062	36.0242	80.8229	2.0	0.2	1	65	1.0	-100	-5	11	4	6000	10	1200	-2	25	5	400	-10	-1	-5	.	-2	-5	18
2095	IR063	36.0466	80.8458	0.5	0.3	0	57	0.5	-100	5	12	3	7000	9	1300	-2	-5	7	300	-10	1	10	.	-2	-5	15
2096	IR064	36.0551	80.8891	2.4	0.3	1	70	1.0	-100	-5	7	3	16000	8	950	-2	-5	-5	200	-10	-1	-5	.	-2	5	10
2098	IR065	36.0480	80.9431	2.3	0.2	1	70	1.0	-100	-5	10	3	15000	12	1950	-2	15	-5	200	-10	-1	-5	.	-2	-5	13
2099	IR066	36.0411	80.9604	1.1	0.5	1	117	1.0	100	-5	8	4	13000	17	1400	5	25	-5	400	-10	-1	10	.	-2	-5	20
2100	IR067	36.0233	80.9693	1.0	0.2	0	57	1.0	-100	-5	6	2	12000	12	600	-2	25	-5	200	-10	-1	-5	.	-2	-5	8

WINSTON-SALEM 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
2101	IR068	36.0253	80.9945	2.7	0.6	0	160	1.5	-100	-5	7	2	14000	22	500	-2	10	-5	400	-10	-1	-5	.	-2	10	23
2102	IR069	36.0026	80.9728	0.7	0.4		37	1.0	100	5	6	3	7000	12	900	2	-5	7	200	-10	1	10	.	-2	-5	20
2103	IR070	36.0184	80.9407	4.5	0.4	1	42	1.0	-100	-5	9	2	7000	10	1350	-2	-5	-5	400	-10	-1	10	.	-2	-5	10
2104	IR071	36.0163	80.9152	0.6	0.4	0	32	1.0	100	8	9	2	7000	11	1000	-2	30	-5	200	-10	-1	-5	.	-2	-5	15
3213	RC004	36.2723	80.0170	1.2	0.3	2	25	1.5	-100	-5	-5	4	11000	14	1000	-2	-5	5	100	-10	-1	-5	.	-2	-5	22
3234	RC025	36.3751	80.0134	1.4	0.3	2	47	2.0	-100	7	6	6	12000	15	1450	-2	5	5	100	-10	-1	-5	.	-2	25	30
3236	RC027	36.4006	80.0182	0.9	0.5		127	2.5	-100	7	-5	5	16000	-5	900	-2	5	7	100	-10	-1	5	.	-2	-5	32
3237	RC028	36.4193	80.0099	1.1	0.3	2	150	1.5	100	7	5	5	11000	-5	350	-2	5	5	100	10	-1	-5	.	-2	-5	40
3238	RC029	36.4560	80.0148	1.4	0.5	1	297	2.0	400	12	-5	11	17000	5	1450	-2	5	12	700	10	-1	-5	.	-2	-5	70
3240	RC031	36.4867	80.0081	1.1	1.1	1	.	.	300	8	.	8	.	.	.	-2	-5	14	.	-10	-1	116	.	-2	-5	58
3633	S0001	36.4107	80.2526	0.3	0.1		62	0.5	100	-5	5	2	7000	5	450	2	5	-5	1000	-10	2	5	.	-2	-5	17
3634	S0002	36.4049	80.2041	0.7	0.2	1	107	1.0	100	-5	5	3	10000	6	400	-2	10	-5	1000	10	-1	-5	.	-2	5	50
3635	S0003	36.4263	80.1669	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
3636	S0004	36.4414	80.1381	0.3	0.1	2	330	1.0	300	5	5	7	7000	-5	1250	3	5	7	700	-10	3	-5	.	-2	15	25
3637	S0005	36.4591	80.0540	0.7	0.1	1	337	1.0	200	5	-5	4	13000	7	500	-2	5	5	700	-10	-1	10	.	-2	-5	25
3638	S0006	36.4659	80.0348	0.7	0.4	1	322	2.0	300	12	6	23	12000	10	6500	3	5	15	900	17	-1	-5	.	-2	-5	70
3644	S0012	36.4857	80.2061	0.7	0.3	0	145	1.0	500	10	11	12	4000	-5	1900	-2	10	7	600	10	1	-5	.	-2	10	27
3645	S0013	36.4810	80.1748	1.5	0.3		90	1.5	300	7	13	11	9000	5	2750	2	15	7	700	-10	-1	-5	.	-2	-5	20
3646	S0014	36.4917	80.1577	0.7	0.1		65	1.0	100	5	10	11	4000	6	1250	-2	10	5	700	10	1	-5	.	-2	-5	117
3647	S0015	36.4631	80.1491	0.3	0.2	0	222	1.5	700	5	12	6	8000	-5	650	-2	20	5	1000	-10	1	-5	.	2	15	20
3648	S0016	36.4615	80.1441	1.0	0.1		232	1.0	200	5	6	5	10000	-5	750	-2	15	5	700	-10	1	-5	.	2	-5	20
3649	S0017	36.4286	80.2150	1.1	-0.1	1	270	1.0	500	7	9	11	6000	-5	950	-2	10	10	900	10	1	5	.	-2	-5	45
3650	S0018	36.4420	80.2454	0.3	-0.1	1	220	0.5	400	7	10	10	7000	-5	500	2	5	7	700	-10	3	-5	.	2	5	32
3654	S0022	36.4928	80.2990	1.4	0.1	0	245	1.0	900	12	13	17	5000	-5	3550	-2	5	10	1000	-10	1	-5	.	-2	-5	37
3655	S0023	36.3872	80.1938	2.9	0.2	0	187	1.0	1400	5	12	6	12000	-5	1300	5	10	5	700	10	2	50	.	-2	5	25
3656	S0024	36.3912	80.1410	1.8	0.3		240	1.0	300	7	6	6	12000	6	600	-2	5	7	900	-10	1	-5	.	-2	-5	32
3657	S0025	36.4040	80.1423	1.0	-0.1		165	1.0	400	5	6	7	10000	-5	450	-2	5	5	600	-10	1	-5	.	-2	-5	27
3658	S0026	36.4035	80.1033	1.0	-0.1	7	125	1.0	800	7	7	7	7000	-5	450	-2	10	7	800	-10	-1	-5	.	2	-5	27
3659	S0027	36.4266	80.0684	1.5	-0.1	3	92	1.0	400	10	5	7	11000	-5	850	-2	10	10	700	-10	-1	10	.	-2	-5	35
3660	S0028	36.4207	80.0463	1.4	0.1		30	1.0	300	7	7	5	15000	8	2150	-2	10	5	700	-10	-1	5	.	-2	-5	30
3661	S0029	36.3816	80.0668	0.4	-0.1	2	45	1.0	200	5	5	4	9000	6	2650	-2	15	5	1000	-10	1	5	.	-2	10	15
3662	S0030	36.3748	80.0418	0.7	-0.1	1	57	1.0	200	-5	8	5	5000	7	1550	-2	10	7	1000	10	5	10	.	-2	-5	15
3663	S0031	36.3479	80.0391	0.3	-0.1	1	37	1.0	300	5	6	5	2000	8	1300	-2	10	5	800	-10	2	-5	.	-2	10	20
3664	S0032	36.3372	80.0557	0.7	0.1	1	35	1.0	200	5	5	6	2000	10	2250	2	5	5	800	10	7	-5	.	-2	-5	25
3665	S0033	36.3171	80.1078	0.7	0.1	1	17	0.5	200	-5	6	4	3000	9	1250	-2	5	5	700	-10	6	-5	.	-2	-5	17
3666	S0034	36.2843	80.1221	1.4	0.2	1	30	1.0	200	-5	7	4	13000	9	1050	-2	-5	-5	500	-10	7	10	.	-2	-5	20
3667	S0035	36.3011	80.0799	1.5	0.1	4	20	1.0	100	7	7	6	7000	13	2300	-2	10	5	700	-10	2	-5	.	-2	-5	12
3668	S0036	36.2591	80.1308	1.8	0.2		177	1.0	200	-5	5	3	21000	6	1800	-2	10	5	700	-10	-1	-5	.	-2	-5	10

WINSTON-SALEM 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
3669	S0037	36.2682	80.1676	1.5	-0.1	3	40	0.5	200	-5	6	3	9000	7	800	-2	-5	-5	700	-10	5	-5	.	-2	-5	7
3670	S0038	36.2660	80.2249	0.4	-0.1	1	225	1.0	500	-5	10	5	7000	-5	2150	-2	5	5	800	-10	2	-5	.	-2	-5	15
3671	S0039	36.2825	80.2071	0.7	-0.1		112	0.5	300	-5	13	4	7000	5	1250	-2	5	-5	700	-10	5	-5	.	-2	10	12
3672	S0040	36.2889	80.1588	0.3	-0.1	1	117	1.0	200	5	6	3	9000	5	2350	-2	10	5	700	10	5	10	.	-2	-5	17
3673	S0041	36.3076	80.1913	0.3	0.2		292	1.0	300	5	6	7	16000	5	2700	2	10	7	1000	-10	-1	-5	.	-2	5	30
3674	S0042	36.3353	80.2361	0.7	0.1	1	170	1.0	200	-5	-5	4	18000	-5	950	-2	25	-5	700	-10	4	-5	.	2	15	45
3675	S0043	36.3751	80.2483	0.7	0.1	1	325	1.0	100	-5	-5	4	23000	6	2000	-2	10	-5	700	-10	-1	-5	.	-2	5	32
3676	S0044	36.3580	80.2623	0.7	0.1		317	1.0	100	7	6	4	13000	-5	2300	-2	5	-5	700	-10	1	-5	.	-2	10	27
3677	S0045	36.3552	80.2975	0.7	0.2	1	287	2.0	200	5	-5	4	13000	5	5000	-2	10	5	700	-10	-1	-5	.	-2	-5	30
3678	S0046	36.3220	80.3047	0.7	0.2	1	597	2.0	200	5	5	5	12000	5	2050	-2	15	5	900	-10	2	-5	.	-2	15	47
3679	S0047	36.3196	80.2619	0.7	0.3	2	565	1.5	300	5	6	5	13000	-5	1150	-2	10	5	700	-10	2	-5	.	-2	-5	25
3680	S0048	36.4142	80.3026	0.3	-0.1	2	15	1.0	100	-5	6	4	5000	9	1500	-2	10	-5	700	12	-1	-5	.	2	10	32
3681	S0049	36.4200	80.3327	0.7	0.2	1	160	1.0	200	-5	8	5	12000	-5	900	3	5	5	700	-10	2	-5	.	-2	5	27
3682	S0050	36.4407	80.3306	0.7	-0.1	1	75	1.0	200	-5	9	9	4000	10	1450	-2	10	7	700	-10	1	-5	.	-2	10	25
3683	S0051	36.4796	80.3505	0.7	0.2	1	77	1.0	200	5	7	7	8000	6	1400	-2	15	7	700	-10	6	-5	.	-2	-5	12
3684	S0052	36.4777	80.3272	0.7	0.1	0	52	1.0	300	-5	9	4	5000	5	3900	2	35	5	800	-10	1	-5	.	2	15	17
3689	S0057	36.4867	80.4115	1.1	0.1		10	1.0	100	-5	5	3	2000	9	2150	-2	-5	40	800	-10	1	10	.	-2	10	20
3690	S0058	36.4948	80.3929	1.1	-0.1	0	47	1.5	200	-5	5	4	14000	15	2800	-2	-5	10	800	-10	-1	-5	.	2	5	40
3691	S0059	36.4528	80.3969	1.6	0.2	1	77	1.5	200	5	6	9	9000	20	2800	-2	-5	7	1000	10	2	-5	.	-2	-5	40
3692	S0060	36.4591	80.4210	0.7	0.1	2	67	1.0	200	7	6	11	9000	51	2800	-2	10	10	1100	-10	5	-5	.	-2	-5	32
3693	S0061	36.4215	80.4379	1.4	0.1	1	100	1.5	200	5	5	8	12000	14	1300	-2	-5	7	700	-10	1	5	.	-2	10	20
3694	S0062	36.4312	80.3973	1.5	0.1	1	107	1.5	200	-5	-5	5	12000	9	2450	-2	5	5	600	-10	1	-5	.	-2	-5	22
3695	S0063	36.3984	80.3753	0.9	-0.1	2	100	1.0	100	-5	5	3	14000	5	1650	-2	5	-5	600	-10	2	-5	.	-2	10	30
3696	S0064	36.3725	80.4188	0.4	0.2	1	77	1.0	200	7	6	6	11000	8	2500	-2	-5	7	800	-10	2	-5	.	-2	5	25
3697	S0065	36.3401	80.4195	1.1	0.1	2	97	1.0	400	5	7	6	8000	-5	950	4	5	10	700	-10	5	10	.	-2	5	17
3698	S0066	36.3539	80.4032	0.7	-0.1	3	27	1.0	100	-5	-5	4	10000	6	2550	-2	5	5	700	-10	1	-5	.	2	-5	22
3699	S0067	36.3345	80.3890	0.3	0.1	3	50	0.5	200	5	5	6	11000	6	1150	-2	5	-5	700	-10	1	10	.	-2	-5	22
3700	S0068	36.3062	80.3942	0.7	0.2		340	1.5	200	-5	6	5	13000	-5	2150	-2	15	7	700	-10	2	-5	.	2	-5	22
3701	S0069	36.2837	80.4310	1.0	-0.1		112	1.0	200	5	-5	4	10000	-5	1900	-2	5	7	800	-10	3	-5	.	-2	5	17
3702	S0070	36.2666	80.3924	0.7	-0.1	4	102	0.5	100	-5	-5	4	20000	5	650	2	-5	-5	800	-10	2	5	.	-2	20	25
3703	S0071	36.2613	80.3234	0.7	-0.1	2	232	1.5	100	7	-5	4	20000	5	1100	-2	5	5	1000	-10	1	10	.	2	5	32
3704	S0072	36.2840	80.2894	0.7	-0.1		307	1.5	100	5	-5	4	17000	5	1300	-2	15	7	1000	-10	-1	-5	.	-2	10	45
3705	S0073	36.4116	80.2648	0.7	-0.1		20	-0.5	-100	-5	-5	3	1000	6	1050	-2	10	-5	800	-10	2	-5	.	-2	10	5
3706	S0074	36.3735	80.3236	0.7	-0.1		22	0.5	100	-5	-5	2	9000	5	950	-2	-5	-5	600	-10	-1	-5	.	-2	5	20
3707	S0075	36.3330	80.3629	0.7	-0.1	2	65	1.0	200	-5	-5	4	12000	6	1900	-2	-5	5	1000	-10	1	-5	.	-2	10	22
3708	S0076	36.2923	80.3583	1.1	-0.1	1	222	1.5	200	-5	-5	4	12000	-5	950	-2	25	5	800	-10	1	-5	.	2	5	27
3709	S0077	36.2632	80.2747	0.3	-0.1	3	520	1.0	600	12	-5	7	5000	-5	750	-2	5	12	1000	-10	1	-5	.	-2	10	27
3710	S0078	36.3540	80.0887	0.7	-0.1	3	35	0.5	200	7	-5	5	4000	9	2200	2	10	7	800	-10	3	-5	.	-2	5	20

WINSTON-SALEM 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
3711	S0079	36.3285	80.1405	1.5	-0.1	2	140	1.0	300	7	-5	8	9000	10	950	-2	15	7	700	12	2	-5	.	-2	5	32
3712	S0080	36.3323	80.1574	0.3	-0.1		140	0.5	200	-5	-5	4	14000	-5	600	-2	5	-5	700	-10	1	-5	.	-2	5	15
3713	S0081	36.3694	80.1356	0.3	0.2	1	255	0.5	300	7	-5	6	11000	-5	700	-2	-5	5	700	-10	2	-5	.	-2	10	22
3759	SU001	36.3647	80.9310	0.7	-0.1	0	5	0.5	700	-5	7	5	3000	9	2750	-2	10	5	500	-10	-1	-5	.	-2	10	17
3760	SU002	36.3684	80.9324	0.9	0.3		10	1.0	100	-5	9	7	6000	11	3500	3	20	5	500	-10	-1	-5	.	-2	20	27
3761	SU003	36.3898	80.9172	1.0	0.2	0	-5	0.5	100	-5	6	8	4000	10	3800	2	15	7	800	12	-1	-5	.	2	-5	12
3762	SU004	36.4325	80.9163	0.7	-0.1		7	0.5	400	5	7	7	5000	11	4450	-2	15	5	700	12	-1	10	.	3	-5	25
3763	SU005	36.4353	80.9106	0.7	-0.1		20	1.0	-100	5	9	7	8000	14	2400	-2	35	5	700	-10	-1	-5	.	2	-5	27
3764	SU006	36.4371	80.8816	0.9	-0.1		47	1.5	-100	5	7	10	9000	12	2150	4	45	7	500	-10	-1	-5	.	3	10	27
3765	SU007	36.4482	80.8699	0.3	-0.1	0	5	0.5	-100	-5	7	4	6000	10	2900	-2	30	-5	500	-10	-1	-5	.	-2	-5	17
3766	SU008	36.2917	80.5625	0.7	0.2		72	0.5	100	-5	6	6	9000	5	1650	2	-5	5	700	-10	-1	5	.	-2	-5	22
3767	SU009	36.3031	80.5249	1.0	0.5	0	120	2.0	200	7	10	12	17000	15	8950	-2	20	15	800	-10	2	-5	.	-2	-5	57
3768	SU010	36.2661	80.4907	0.3	0.3		150	1.0	100	-5	8	5	7000	5	1550	-2	5	5	800	10	2	-5	.	2	15	20
3769	SU011	36.2741	80.4662	1.0	0.2	0	75	1.0	100	5	9	7	10000	5	3050	-2	5	7	800	-10	2	-5	.	-2	-5	25
3770	SU012	36.2997	80.4785	0.7	0.3	1	150	1.0	100	5	7	6	14000	7	1700	-2	10	10	1000	10	1	5	.	-2	15	35
3771	SU013	36.3137	80.4733	1.3	-0.1	0	5	1.0	-100	-5	12	9	11000	8	5950	-2	5	7	800	-10	1	-5	.	-2	15	35
3772	SU014	36.3332	80.5016	0.7	-0.1	1	7	0.5	-100	-5	5	4	5000	7	2000	-2	15	-5	800	-10	-1	-5	.	2	-5	10
3773	SU015	36.3559	80.5061	1.3	0.2	1	67	0.5	-100	5	10	7	8000	10	3700	-2	15	7	800	-10	2	-5	.	-2	-5	22
3774	SU016	36.3426	80.4540	1.0	0.6	0	192	1.5	-100	5	5	6	11000	8	4200	-2	30	5	1000	-10	-1	5	.	-2	-5	52
3775	SU017	36.3640	80.4792	0.7	-0.1		12	1.0	100	-5	6	4	6000	5	2450	-2	15	-5	600	-10	2	-5	.	-2	5	12
3776	SU018	36.3866	80.5301	1.4	0.2		32	1.0	-100	-5	10	5	8000	10	3850	-2	20	-5	600	10	-1	-5	.	-2	-5	20
3777	SU019	36.3724	80.5725	0.9	-0.1		15	1.0	500	-5	9	3	6000	10	1750	-2	45	-5	600	10	-1	-5	.	-2	-5	15
3778	SU020	36.3314	80.5725	0.3	0.3		160	1.0	100	5	7	7	12000	-5	3450	-2	5	7	900	-10	2	-5	.	-2	-5	32
3779	SU021	36.3690	80.6003	0.6	-0.1		22	1.0	100	-5	7	4	8000	8	2300	-2	20	-5	600	-10	-1	-5	.	-2	-5	12
3780	SU022	36.3215	80.5956	0.3	0.5	0	160	1.5	-100	12	9	9	11000	11	4950	-2	20	7	1000	22	-1	-5	.	-2	-5	65
3781	SU023	36.3085	80.6354	0.3	0.2	1	135	1.5	100	-5	8	6	9000	5	2750	-2	40	5	800	10	1	-5	.	-2	-5	25
3782	SU024	36.2883	80.6431	0.3	-0.1		107	1.0	-100	7	6	5	11000	5	2300	-2	25	7	800	-10	-1	-5	.	-2	-5	22
3783	SU025	36.2851	80.5922	0.7	-0.1		117	1.5	-100	5	8	7	11000	9	4100	-2	15	10	900	-10	2	-5	.	-2	5	30
3784	SU026	36.2500	80.8316	0.7	0.2	3	212	2.0	-100	15	44	23	8000	11	2350	-2	40	15	1100	-10	1	-5	.	-2	-5	47
3785	SU027	36.2881	80.8592	0.7	0.3	0	120	2.0	100	10	10	10	9000	23	2800	-2	40	10	800	10	-1	-5	.	-2	-5	55
3786	SU028	36.3307	80.8398	1.3	0.3		75	2.5	-100	5	7	9	11000	14	2200	-2	20	5	800	-10	1	-5	.	-2	-5	42
3787	SU029	36.3530	80.8524	0.7	-0.1	7	7	0.5	-100	-5	7	4	2000	10	2300	-2	40	5	600	12	-1	10	.	-2	-5	12
3788	SU030	36.3460	80.8753	1.3	0.3		10	1.0	400	-5	8	5	2000	7	2600	3	45	5	700	-10	1	-5	.	-2	5	15
3789	SU031	36.3771	80.8864	0.7	0.2	1	80	1.0	100	-5	7	6	6000	12	2300	-2	40	7	500	-10	1	-5	.	2	15	30
3790	SU032	36.3859	80.8429	0.3	0.3	1	12	0.5	100	-5	8	3	2000	9	1250	-2	30	-5	500	10	-1	5	.	2	10	12
3791	SU033	36.4062	80.8021	0.3	-0.1	1	10	0.5	200	-5	6	4	3000	10	900	-2	40	-5	600	-10	1	-5	.	-2	-5	7
3792	SU034	36.3653	80.8064	0.3	-0.1	1	10	0.5	200	-5	9	2	2000	8	1050	2	25	-5	500	12	1	5	.	-2	-5	7
3793	SU035	36.3553	80.7827	0.7	-0.1		45	1.0	300	5	6	7	6000	17	2650	-2	15	5	1000	-10	1	-5	.	-2	-5	25

WINSTON-SALEM 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
3794	SU036	36.3348	80.7967	0.7	0.2	2	7	1.0	200	-5	5	4	4000	9	2050	-2	15	-5	700	-10	-1	-5	.	-2	5	12
3795	SU037	36.3106	80.8067	1.1	-0.1	2	15	0.5	300	-5	9	9	1000	7	2300	2	45	-5	800	-10	1	10	.	2	-5	10
3796	SU038	36.2883	80.8167	1.7	0.2	1	65	1.0	600	-5	5	5	9000	13	2400	5	35	-5	1000	10	-1	-5	.	2	5	22
3797	SU039	36.2551	80.8017	1.0	-0.1	2	97	1.5	800	5	12	5	10000	9	1550	3	30	5	1000	15	1	-5	.	3	-5	22
3798	SU040	36.2691	80.7849	0.7	0.3	2	117	1.5	700	5	14	10	7000	10	700	3	30	7	1000	12	1	-5	.	2	-5	37
3799	SU041	36.4649	80.6321	0.6	-0.1	1	17	0.5	-100	-5	9	7	3000	8	1700	-2	50	5	1200	-10	-1	-5	.	2	-5	15
3800	SU042	36.4663	80.6610	0.6	-0.1	2	35	0.5	100	5	10	8	3000	6	850	2	20	7	200	-10	-1	-5	.	2	-5	17
3801	SU043	36.4319	80.6465	1.0	0.2		117	1.0	100	10	12	15	4000	14	2450	2	30	5	900	-10	1	-5	.	-2	-5	40
3802	SU044	36.4341	80.6219	1.4	0.5	1	107	0.5	100	5	14	12	4000	8	1400	-2	20	10	900	-10	1	10	.	-2	5	30
3803	SU045	36.3945	80.6060	1.2	0.3	2	102	1.0	-100	-5	8	6	5000	16	900	3	35	5	900	-10	1	10	.	-2	-5	17
3804	SU046	36.3825	80.6370	1.0	0.2	1	17	0.5	100	-5	9	4	4000	10	1500	-2	30	-5	800	-10	1	-5	.	2	-5	12
3805	SU047	36.3508	80.6542	0.9	-0.1	1	37	0.5	-100	-5	9	4	9000	8	700	-2	5	-5	600	-10	-1	-5	.	-2	10	12
3806	SU048	36.3382	80.6862	0.3	-0.1	2	17	0.5	200	-5	10	5	4000	10	1550	-2	25	-5	600	-10	-1	5	.	-2	-5	17
3807	SU049	36.2918	80.6925	0.3	0.3		125	1.0	400	5	9	6	9000	-5	1400	2	15	7	600	15	1	-5	.	-2	-5	20
3808	SU050	36.2893	80.7210	0.3	-0.1	1	30	0.5	200	-5	5	5	3000	9	1750	2	15	5	600	-10	1	5	.	-2	-5	22
3809	SU051	36.3002	80.7682	1.0	0.2	1	57	1.0	200	-5	6	3	-1000	9	900	5	20	-5	400	-10	1	15	.	-2	5	15
3810	SU052	36.3137	80.7580	2.2	0.2	2	245	1.5	200	5	5	7	6000	13	450	2	15	7	900	10	-1	10	.	2	-5	37
3811	SU053	36.3352	80.7202	0.6	0.2	3	32	1.0	200	-5	7	4	9000	13	1250	-2	25	-5	700	-10	1	25	.	2	-5	27
3812	SU054	36.3669	80.7177	0.3	0.2	1	12	0.5	-100	-5	5	2	2000	7	1800	3	25	-5	600	-10	-1	5	.	2	-5	10
3813	SU055	36.3616	80.7326	0.3	0.4	1	115	1.0	100	-5	5	3	4000	13	1800	2	30	-5	700	-10	3	-5	.	2	-5	20
3814	SU056	36.3808	80.7389	0.3	0.2		7	0.5	200	-5	7	2	2000	8	1750	3	20	-5	800	-10	1	-5	.	-2	-5	10
3815	SU057	36.3881	80.6740	0.3	-0.1		57	1.0	-100	5	10	7	3000	8	2700	2	50	5	800	-10	-1	-5	.	-2	-5	22
3816	SU058	36.4161	80.5823	0.7	-0.1		22	1.5	100	-5	8	4	5000	16	2650	2	25	-5	800	-10	1	5	.	-2	-5	15
3817	SU059	36.4043	80.5638	0.3	0.2	1	115	1.5	-100	7	11	10	3000	13	1450	-2	50	12	1000	-10	-1	5	.	-2	-5	35
3818	SU060	36.4051	80.5597	0.3	0.2	2	55	1.0	300	5	10	4	4000	11	1800	-2	15	5	1000	-10	-1	-5	.	-2	-5	15
3819	SU061	36.3982	80.4891	0.6	0.2	1	85	1.5	-100	-5	11	7	9000	12	1750	-2	25	5	800	-10	1	-5	.	-2	5	27
3821	SU063	36.4969	80.5414	1.4	-0.1		82	1.5	200	5	10	8	6000	16	1000	-2	25	5	900	-10	1	-5	.	-2	-5	25
3827	SU069	36.4730	80.4674	0.7	2.3	0	60	0.5	-100	-5	10	5	3000	10	750	-2	75	-5	900	-10	2	5	.	-2	20	23
3828	SU070	36.4584	80.5031	0.4	0.9	0	120	1.5	100	5	11	7	7000	26	1500	-2	45	7	900	-10	2	-5	.	-2	-5	35
3829	SU071	36.4352	80.4878	0.3	0.5	0	187	1.0	100	-5	10	5	3000	10	1400	4	100	-5	800	-10	1	-5	.	-2	15	18
3830	SU072	36.4368	80.4760	0.3	0.4	1	40	0.5	-100	-5	12	6	2000	6	700	2	50	5	800	-10	2	-5	.	2	5	13
3831	SU073	36.4097	80.4711	1.0	0.4		107	0.5	100	-5	9	6	5000	7	1250	-2	25	-5	1000	-10	1	-5	.	-2	-5	18
3832	SU074	36.4252	80.5185	0.7	0.5		32	0.5	-100	-5	7	5	1000	8	650	-2	35	-5	1000	-10	1	-5	.	-2	-5	13
3835	SU077	36.4515	80.5559	0.3	0.5	1	35	0.5	-100	-5	8	4	1000	10	1450	-2	30	-5	1000	-10	1	-5	.	-2	-5	20
3836	SU078	36.4660	80.5706	0.6	0.4	2	90	0.5	-100	-5	15	6	3000	8	1000	-2	25	-5	800	-10	1	-5	.	2	-5	25
3844	SU086	36.4556	80.7054	0.9	0.4		32	0.5	-100	-5	9	5	2000	-5	1100	-2	20	-5	400	-10	1	10	.	-2	-5	8
3845	SU087	36.4227	80.6923	0.6	0.7		62	0.5	100	-5	16	10	3000	5	650	-2	40	5	700	-10	1	-5	.	-2	-5	20
3846	SU088	36.4265	80.7142	0.9	0.4	1	20	0.5	-100	-5	9	5	1000	5	500	2	25	-5	700	-10	1	-5	.	-2	-5	10

WINSTON-SALEM 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
3847	SU089	36.4126	80.7573	1.0	0.6	0	65	0.5	100	5	10	10	3000	6	1650	-2	40	5	600	-10	1	-5	.	-2	-5	18
3848	SU090	36.4428	80.7667	1.2	0.7		47	1.0	100	-5	10	6	3000	7	1700	-2	40	-5	500	-10	2	-5	.	-2	-5	18
3849	SU091	36.4613	80.7425	0.6	0.5	0	20	0.5	-100	-5	8	5	2000	6	700	-2	25	-5	500	-10	1	-5	.	-2	5	13
3850	SU092	36.4886	80.7383	0.3	0.4	0	12	0.5	-100	-5	8	4	1000	5	550	-2	15	-5	600	-10	1	20	.	-2	-5	10
3854	SU096	36.4723	80.7892	1.2	0.6	0	37	0.5	100	-5	8	7	4000	9	650	4	25	-5	800	-10	4	20	.	2	5	28
3858	SU100	36.4984	80.8810	0.3	0.6	3	75	0.5	100	5	7	9	6000	8	600	2	50	7	800	-10	2	-5	.	-2	-5	23
3860	SU102	36.4693	80.8362	0.3	0.6	0	25	0.5	-100	-5	7	5	4000	8	400	-2	5	-5	500	-10	1	-5	.	-2	-5	15
3861	SU103	36.4450	80.8154	0.3	0.6	4	57	0.5	300	5	10	9	2000	-5	850	-2	50	-5	600	-10	3	5	.	-2	15	23
4228	WL029	36.0692	80.9973	1.1	0.8	0	122	1.5	200	5	7	4	13000	13	650	-2	15	-5	1000	-10	1	5	.	-2	-5	23
4229	WL030	36.0715	80.9533	1.1	0.6	1	127	1.0	100	5	6	3	11000	8	500	-2	10	-5	600	-10	-1	-5	.	-2	-5	13
4230	WL031	36.0950	80.9090	1.0	0.7	0	60	1.0	-100	-5	7	3	19000	8	850	-2	10	-5	1000	-10	1	-5	.	-2	-5	10
4231	WL032	36.1022	80.9422	0.9	0.7	2	82	1.5	-100	5	7	4	21000	13	1100	-2	15	-5	1000	-10	-1	-5	.	-2	-5	18
4232	WL033	36.1086	80.9693	1.2	0.4	1	92	1.0	-100	-5	7	3	15000	8	800	-2	15	-5	1200	-10	-1	-5	.	2	15	10
4275	WL076	36.1422	80.8941	1.1	0.4		97	1.5	-100	-5	5	5	6000	15	650	-2	40	7	700	-10	-1	5	.	-2	-5	18
4276	WL077	36.1398	80.9267	1.0	0.8	0	110	1.0	100	-5	6	3	14000	9	750	-2	35	-5	1000	-10	-1	-5	.	2	10	15
4278	WL079	36.1820	80.9919	1.2	0.7	2	260	1.5	200	8	5	11	5000	9	1000	-2	50	5	1000	-10	2	-5	.	-2	-5	35
4279	WL080	36.1942	80.9984	1.1	0.6	1	55	1.0	-100	-5	6	3	11000	9	600	-2	40	-5	1000	-10	-1	5	.	-2	5	10
4280	WL081	36.1731	80.9670	5.4	0.5		107	1.0	100	5	5	4	8000	6	400	-2	40	-5	1200	-10	-1	5	.	-2	195	10
4281	WL082	36.1808	80.9237	2.3	0.4		65	1.0	-100	-5	6	4	16000	8	500	-2	40	-5	1000	-10	2	-5	.	-2	190	5
4282	WL083	36.1847	80.8824	2.5	0.3	3	212	1.5	-100	-5	-5	4	11000	13	450	-2	45	-5	1000	-10	-1	-5	.	-2	35	13
4283	WL084	36.2142	80.8964	1.1	0.4	4	92	1.0	-100	-5	6	3	5000	8	350	3	50	-5	1000	-10	-1	5	.	-2	20	5
4284	WL085	36.1890	80.9453	1.2	0.6	1	50	1.0	-100	-5	10	4	3000	8	1000	-2	30	-5	1000	-10	-1	5	.	-2	10	13
4285	WL086	36.2658	80.8837	1.1	0.5	3	120	1.5	100	-5	9	7	11000	14	600	-2	25	-5	600	10	-1	10	.	-2	25	28
4286	WL087	36.3043	80.9204	0.5	0.4	2	32	1.0	100	-5	8	5	4000	8	600	4	40	-5	600	-10	-1	-5	.	-2	5	25
4287	WL088	36.3298	80.9181	2.8	0.3	1	45	1.0	-100	-5	8	9	6000	9	1350	6	15	5	600	-10	-1	-5	.	-2	-5	25
4288	WL089	36.2575	80.9199	1.2	0.7	0	52	1.0	100	5	6	5	10000	11	2250	3	35	-5	500	-10	-1	-5	.	-2	5	20
4289	WL090	36.2667	80.9152	0.5	0.5		35	1.0	-100	-5	7	4	3000	9	550	-2	25	-5	700	-10	-1	-5	.	-2	-5	13
4291	WL091	36.2798	80.9333	1.2	0.5	0	40	1.0	-100	-5	7	5	4000	9	550	3	25	-5	700	-10	-1	-5	.	-2	20	13
4290	WL091	36.2798	80.9333	1.2	0.5	0	40	1.0	-100	-5	7	5	4000	9	550	3	25	-5	700	-10	-1	-5	.	-2	20	13
4292	WL092	36.2721	80.9561	0.6	0.4	0	75	1.0	-100	-5	8	3	7000	10	650	-2	20	-5	700	-10	1	-5	.	-2	10	10
4293	WL092	36.2721	80.9561	0.6	0.4	0	75	1.0	-100	-5	8	3	7000	10	650	-2	20	-5	700	-10	1	-5	.	-2	10	10
4294	WL093	36.2893	80.9803	0.6	0.4		122	1.0	100	-5	8	4	7000	12	550	2	20	-5	700	-10	-1	-5	.	-2	5	13
4295	WL093	36.2893	80.9803	0.6	0.4		122	1.0	100	-5	8	4	7000	12	550	2	20	-5	700	-10	-1	-5	.	-2	5	13
4296	WL094	36.3402	80.9568	0.8	0.5	0	97	1.0	100	-5	5	5	4000	6	1550	-2	15	-5	700	-10	-1	5	.	-2	10	18
4297	WL094	36.3402	80.9568	0.8	0.5	0	97	1.0	100	-5	5	5	4000	6	1550	-2	15	-5	700	-10	-1	5	.	-2	10	18
4299	WL095	36.3666	80.9606	0.5	0.3		145	1.5	200	8	9	10	6000	14	1750	-2	30	5	900	-10	-1	15	.	2	10	38
4298	WL095	36.3666	80.9606	0.5	0.3		145	1.5	200	8	9	10	6000	14	1750	-2	30	5	900	-10	-1	15	.	2	10	38
4300	WL096	36.3418	80.9970	0.7	0.6	0	145	1.5	200	8	8	8	4000	9	500	3	10	-5	900	-10	-1	10	.	-2	-5	30

WINSTON-SALEM 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
4301	WL096	36.3418	80.9970	0.7	0.6	0	145	1.5	200	8	8	8	4000	9	500	3	10	-5	900	-10	-1	10	.	-2	-5	30
4312	WL102	36.2626	80.9982	0.5	0.4	0	60	1.0	-100	-5	8	4	5000	14	350	-2	-5	-5	700	-10	-1	15	.	-2	-5	15
4313	WL102	36.2626	80.9982	0.5	0.4	0	60	1.0	-100	-5	8	4	5000	14	350	-2	-5	-5	700	-10	-1	15	.	-2	-5	15
4315	WL103	36.2447	80.9753	0.5	0.6	0	67	1.0	-100	-5	7	3	3000	8	500	2	-5	-5	800	-10	-1	-5	.	-2	10	13
4564	YD001	36.1337	80.8617	2.0	0.2	0	72	1.5	-100	-5	7	2	16000	12	250	-2	-5	-5	400	-10	-1	-5	.	2	15	13
4565	YD002	36.1233	80.8605	1.2	0.2	1	112	1.0	-100	-5	12	2	14000	9	1000	2	5	-5	400	-10	-1	15	.	-2	20	10
4566	YD003	36.0915	80.8288	0.6	0.5	1	75	1.0	-100	-5	21	6	14000	8	1050	-2	-5	-5	200	-10	-1	-5	.	-2	-5	15
4567	YD004	36.0760	80.8310	0.5	0.5	1	127	1.0	-100	-5	10	6	10000	9	1050	4	-5	5	300	-10	-1	10	.	-2	-5	18
4568	YD005	36.0730	80.7831	0.6	0.5	1	125	1.0	-100	-5	7	3	15000	12	350	-2	-5	5	300	-10	-1	-5	.	-2	10	18
4569	YD006	36.0867	80.7265	1.4	0.4		157	1.5	100	5	11	5	11000	6	1750	-2	10	5	300	-10	-1	-5	.	-2	5	20
4570	YD006	36.0867	80.7265	1.4	0.4		157	1.5	100	5	11	5	11000	6	1750	-2	10	5	300	-10	-1	-5	.	-2	5	20
4572	YD007	36.1143	80.7459	1.6	0.6	2	300	1.5	-100	-5	11	3	13000	9	1100	-2	.	-5	300	-10	-1	5	.	-2	20	13
4571	YD007	36.1143	80.7459	1.6	0.6	2	300	1.5	-100	-5	11	3	13000	9	1100	-2	.	-5	300	-10	-1	5	.	-2	20	13
4573	YD008	36.0988	80.7078	1.4	0.3	4	70	1.5	100	5	79	3	8000	10	1050	-2	15	-5	200	10	-1	10	.	-2	10	13
4574	YD008	36.0988	80.7078	1.4	0.3	4	70	1.5	100	5	79	3	8000	10	1050	-2	15	-5	200	10	-1	10	.	-2	10	13
4576	YD009	36.0851	80.6873	0.5	0.5	2	125	2.0	300	10	7	11	7000	12	1650	-2	15	10	300	10	-1	-5	.	-2	-5	40
4575	YD009	36.0851	80.6873	0.5	0.5	2	125	2.0	300	10	7	11	7000	12	1650	-2	15	10	300	10	-1	-5	.	-2	-5	40
4578	YD010	36.0515	80.6633	0.7	0.2	2	95	1.5	300	8	11	9	9000	7	1450	3	-5	-5	100	-10	-1	-5	.	-2	-5	25
4577	YD010	36.0515	80.6633	0.7	0.2	2	95	1.5	300	8	11	9	9000	7	1450	3	-5	-5	100	-10	-1	-5	.	-2	-5	25
4580	YD011	36.0721	80.6281	1.2	0.1	1	25	1.0	100	5	19	6	3000	-5	2250	2	35	-5	200	-10	1	5	.	2	-5	20
4579	YD011	36.0721	80.6281	1.2	0.1	1	25	1.0	100	5	19	6	3000	-5	2250	2	35	-5	200	-10	1	5	.	2	-5	20
4582	YD012	36.1083	80.6600	2.8	0.5	2	185	1.5	100	13	8	13	10000	29	1950	2	25	20	300	17	1	-5	.	2	10	68
4581	YD012	36.1083	80.6600	2.8	0.5	2	185	1.5	100	13	8	13	10000	29	1950	2	25	20	300	17	1	-5	.	2	10	68
4583	YD013	36.1049	80.5880	2.2	0.1	1	212	1.0	100	-5	8	7	11000	11	1100	2	40	5	300	-10	1	-5	.	-2	5	25
4584	YD013	36.1049	80.5880	2.2	0.1	1	212	1.0	100	-5	8	7	11000	11	1100	2	40	5	300	-10	1	-5	.	-2	5	25
4585	YD014	36.0988	80.5817	1.5	0.3	1	37	0.5	200	-5	10	7	3000	6	1500	-2	30	-5	300	-10	1	-5	.	-2	-5	18
4586	YD014	36.0988	80.5817	1.5	0.3	1	37	0.5	200	-5	10	7	3000	6	1500	-2	30	-5	300	-10	1	-5	.	-2	-5	18
4588	YD015	36.0671	80.5449	1.4	0.5		77	0.5	200	9	13	6	2000	-5	800	3	20	10	300	-10	2	-5	.	-2	-5	15
4587	YD015	36.0671	80.5449	1.4	0.5		77	0.5	200	9	13	6	2000	-5	800	3	20	10	300	-10	2	-5	.	-2	-5	15
4589	YD016	36.0579	80.5458	1.5	0.5		50	1.0	700	5	12	8	2000	-5	4900	-2	30	-5	200	-10	1	-5	.	-2	5	18
4590	YD016	36.0579	80.5458	1.5	0.5		50	1.0	700	5	12	8	2000	-5	4900	-2	30	-5	200	-10	1	-5	.	-2	5	18
4591	YD017	36.0538	80.5264	1.6	0.6	1	55	1.0	600	8	12	6	4000	-5	5900	-2	25	-5	300	-10	-1	10	.	-2	-5	13
4592	YD018	36.1058	80.5136	1.2	0.6	1	195	1.5	-100	-5	9	6	13000	6	2900	-2	40	5	200	-10	-1	5	.	2	-5	18
4593	YD019	36.1159	80.5070	2.1	0.3	2	177	1.0	100	-5	18	4	8000	-5	2800	-2	65	-5	400	-10	1	-5	.	3	5	10
4594	YD020	36.1439	80.5065	2.5	0.6	0	372	1.5	200	5	7	7	9000	-5	1400	-2	25	5	300	-10	-1	5	.	-2	5	30
4595	YD021	36.1347	80.5508	1.2	0.4	0	182	1.0	200	5	6	6	10000	-5	1200	5	25	-5	400	-10	1	5	.	-2	5	23
4596	YD022	36.1165	80.5596	1.4	0.7	0	135	1.0	100	-5	7	5	9000	-5	2150	-2	35	5	300	-10	2	-5	.	-2	5	18
4597	YD023	36.1395	80.7559	2.6	0.9		95	1.5	-100	-5	6	3	14000	8	1800	-2	25	-5	400	-10	2	10	.	-2	5	18

WINSTON-SALEM 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
4598	YD024	36.1375	80.7814	6.9	0.3	1	112	1.0	-100	-5	11	2	12000	8	1750	-2	45	-5	600	-10	1	-5	.	-2	15	13
4599	YD025	36.1426	80.8060	8.9	0.3	2	27	0.5	-100	5	7	4	12000	11	1300	4	35	-5	500	-10	-1	-5	.	-2	10	15
4600	YD026	36.1637	80.6681	1.3	0.4		42	1.0	-100	5	8	8	9000	9	2100	3	45	-5	300	-10	2	15	.	2	-5	15
4601	YD027	36.1547	80.7272	8.7	0.6	2	85	0.5	-100	-5	6	3	11000	13	1650	2	30	-5	600	-10	1	10	.	-2	10	15
4602	YD028	36.1820	80.7317	6.7	0.5		57	1.0	100	-5	6	5	8000	11	2000	-2	35	-5	600	-10	2	-5	.	-2	10	15
4603	YD029	36.2107	80.7065	3.1	0.7	0	65	1.0	-100	-5	5	4	6000	5	1750	-2	25	-5	300	-10	1	-5	.	-2	20	10
4604	YD030	36.2083	80.6832	5.0	0.3	1	137	1.5	100	-5	8	5	14000	10	2550	4	40	-5	400	-10	2	-5	.	-2	70	20
4605	YD031	36.1709	80.6316	9.4	0.4		37	1.5	100	5	9	8	9000	10	6150	2	65	5	600	10	-1	10	.	2	190	33
4606	YD032	36.1789	80.6173	2.5	0.7	1	75	1.0	-100	-5	10	7	7000	8	2500	-2	50	5	400	-10	1	-5	.	-2	55	20
4607	YD033	36.1991	80.7877	1.0	0.2		122	1.0	-100	-5	5	3	15000	9	1350	3	20	-5	200	-10	1	-5	.	-2	-5	13
4608	YD034	36.2177	80.8254	5.0	0.2	1	182	1.0	-100	-5	10	3	13000	9	800	-2	50	-5	400	-10	5	-5	.	4	205	10
4609	YD035	36.2392	80.8217	5.8	0.7		32	1.5	100	-5	6	5	15000	15	4400	3	25	-5	300	-10	-1	-5	.	-2	100	23
4610	YD036	36.2420	80.7739	4.2	0.8	1	42	0.5	500	-5	8	4	12000	6	2350	-2	25	-5	300	-10	2	5	.	-2	10	10
4611	YD037	36.2536	80.6902	2.8	0.7	1	47	1.0	100	-5	5	6	5000	11	2200	-2	35	-5	300	-10	-1	-5	.	-2	15	28
4612	YD038	36.2369	80.6311	2.9	0.4	2	77	1.0	300	-5	7	4	5000	-5	1850	2	70	-5	200	-10	2	-5	.	-2	-5	15
4613	YD039	36.2608	80.5844	1.2	0.4	0	197	1.0	100	5	7	6	7000	-5	1600	2	40	-5	200	-10	-1	-5	.	-2	5	20
4614	YD040	36.2580	80.5429	1.6	0.5	3	185	1.5	300	5	16	10	9000	-5	2450	2	30	22	300	12	-1	-5	.	-2	-5	28
4615	YD041	36.2411	80.5269	1.4	0.7	0	427	1.5	400	5	9	6	8000	-5	1750	3	20	7	300	-10	1	-5	.	-2	-5	25
4616	YD042	36.2068	80.5738	1.5	0.6	0	152	1.5	100	-5	7	4	10000	-5	2050	5	25	-5	200	-10	1	-5	.	-2	10	20
4617	YD043	36.1492	80.5713	1.5	.	0	135	1.0	200	-5	9	5	7000	5	1300	3	60	-5	300	-10	1	-5	.	-2	10	18
4618	YD044	36.1508	80.5686	1.2	0.5		180	1.5	300	-5	11	5	7000	-5	2300	-2	40	-5	200	-10	-1	-5	.	2	15	15
4619	YD045	36.1786	80.5356	1.5	0.3	3	277	1.5	400	5	7	5	11000	-5	2050	3	35	5	300	-10	1	-5	.	-2	15	20
4620	YD046	36.1560	80.4865	2.5	0.5	0	235	2.0	500	5	10	5	12000	-5	2850	2	70	5	400	-10	1	15	.	-2	5	20
4621	YD047	36.1604	80.4616	2.1	0.4	0	287	1.0	200	8	8	5	8000	-5	1650	2	40	5	400	-10	2	-5	.	-2	-5	20
4622	YD048	36.1891	80.4608	2.1	0.7	5	587	1.5	1800	5	12	4	14000	-5	1900	-2	20	5	1200	-10	2	-5	.	-2	10	15
4623	YD049	36.2304	80.4605	2.5	0.5	5	250	1.5	400	-5	12	4	8000	-5	650	-2	25	-5	200	-10	1	5	.	-2	5	15

GALAX 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
42	AG516	36.5427	80.9583	6.1	28	0.041	14	4500	.	.	7	940	0.1	1.4	20	-0.001
43	AG517	36.5010	80.9548	5.9	12	0.041	.	4300	.	.	3	920	-0.1	3.4	28	-0.001
4567	RO539	36.5365	80.0171	6.4	188	0.053	16	M	.	M	31	M	-0.1	0.2	17	-0.001
4951	SO512	36.5370	80.2274	5.8	110	0.038	70	11800	.	2900	2	7220	0.4	0.3	18	-0.001
4952	SO513	36.5404	80.1723	6.8	45	0.050	.	4300	68	550	4	4950	2.0	1.1	12	-0.001
4957	SO518	36.5417	80.1250	6.1	32	0.025	18	5100	34	1270	.	2640	0.2	0.7	40	-0.001
4958	SO519	36.5256	80.0660	6.1	90	0.018	.	M	.	M	35	M	-0.1	0.2	8	-0.001
4969	SO530	36.5000	80.4005	5.9	160	0.028	.	M	.	3300	38	M	-0.1	0.1	.	-0.001
4970	SO531	36.5402	80.3975	6.7	89	0.027	.	8600	.	810	.	5020	-0.1	0.3	28	-0.001
4971	SO532	36.5413	80.3399	6.7	108	0.041	.	12700	.	.	17	M	-0.1	0.3	23	0.110
4972	SO533	36.5404	80.2976	6.7	115	0.303	14	4300	45	2580	30	7810	0.5	2.6	25	-0.001
5040	SU509	36.5336	80.7398	7.0	79	0.047	.	3800	20	370	6	800	0.4	0.5	21	0.300
5041	SU510	36.5352	80.7914	6.3	15	0.028	26	4300	30	560	.	1730	0.2	1.8	21	-0.001
5042	SU511	36.5406	80.8564	6.9	13	0.037	7	4700	35	450	.	1560	-0.1	2.8	33	0.090
5043	SU512	36.5309	80.9039	5.7	10	0.037	11	4100	11	460	6	690	-0.1	3.7	32	-0.001
5045	SU514	36.5006	80.8457	5.8	16	0.039	5	5300	13	.	10	1520	-0.1	2.4	48	0.120
5063	SU532	36.5369	80.6852	6.9	55	0.036	.	7900	.	980	36	7220	-0.1	0.6	25	0.060
5064	SU533	36.5396	80.6292	6.6	50	0.028	30	5000	42	.	15	M	-0.1	0.5	17	-0.001
5065	SU534	36.5363	80.5729	6.3	41	0.033	17	7000	.	1040	42	3070	-0.1	0.8	25	-0.001
5067	SU536	36.5345	80.4554	6.4	40	0.028	.	4900	23	1310	3	1750	0.2	0.7	22	-0.001
5068	SU537	36.5294	80.5132	6.1	30	0.042	8	4600	.	.	12	1700	-0.1	1.4	12	0.040

WINSTON-SALEM 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
44	AG518	36.4503	80.9809	5.7	20	0.039	16	4500	.	260	10	1260	-0.1	1.9	20	-0.001
45	AG519	36.4058	80.9707	5.7	30	0.019	18	5100	.	1540	20	1490	-0.1	0.6	20	-0.001
1630	DE510	36.0341	80.6777	6.2	152	0.055	20	21100	.	3220	23	11940	0.7	0.3	37	-0.001
1631	DE511	36.0395	80.6417	6.3	57	0.048	13	4700	37	920	6	4470	0.5	0.8	48	-0.001
1632	DE512	36.0290	80.5776	6.8	380	0.090	33	29500	.	36490	.	5650	3.0	0.2	35	-0.001
1633	DE513	36.0300	80.5590	7.4	249	0.141	.	9200	21	17130	.	8590	16.2	0.5	28	-0.001
1634	DE514	36.0408	80.5265	7.3	112	0.050	16	7600	93	5810	41	4760	5.1	0.4	33	0.040
1635	DE515	36.0392	80.4663	6.6	101	0.971	.	3800	.	4170	.	9670	9.4	9.6	21	-0.001
1877	DV532	36.0016	80.1274	6.5	77	0.028	13	5900	26	3510	.	4210	3.4	0.3	39	-0.001
1983	FO501	36.0410	80.3604	6.8	60	0.016	.	7700	63	.	113	5410	1.4	0.2	106	-0.001
1984	FO502	36.1821	80.1249	5.9	42	-0.002	.	8800	.	.	108	5600	0.8	0.0	97	-0.001
1985	FO503	36.1439	80.0652	5.6	35	-0.002	.	9000	.	.	124	6470	0.3	0.0	66	-0.001
1986	FO504	36.1857	80.0602	5.7	128	0.023	.	15500	65	.	123	12920	0.6	0.1	54	-0.001
1987	FO505	36.2176	80.0726	5.7	135	-0.002	.	26200	.	.	151	14360	0.4	0.0	45	-0.001
1988	FO506	36.2228	80.1174	6.0	68	0.022	37	8200	97	.	130	7480	3.9	0.3	62	-0.001
1989	FO507	36.2224	80.1689	5.8	123	0.026	65	13900	14	.	134	11400	0.4	0.2	70	-0.001
1990	FO508	36.2284	80.2273	6.9	110	0.006	.	6800	105	.	149	7800	13.3	0.0	63	-0.001
1991	FO509	36.1839	80.2397	6.2	62	0.019	.	7500	24	.	133	5580	0.8	0.3	58	-0.001
1992	FO510	36.1806	80.1813	6.1	140	0.256	.	14100	23	.	152	9930	2.5	1.8	52	0.060
1993	FO511	36.1340	80.1765	7.2	183	18.590	20	12500	225	.	136	11370	-0.1	101.5	64	-0.001
1994	FO512	36.1338	80.1201	6.1	60	0.304	.	12300	15	.	113	7390	-0.1	5.0	60	-0.001
1995	FO513	36.0874	80.0640	6.5	101	0.035	.	19000	65	.	234	10770	-0.1	0.3	51	-0.001
1996	FO514	36.0868	80.1220	6.7	62	0.029	.	5900	116	.	132	8220	7.0	0.4	46	-0.001
1997	FO515	36.0910	80.1700	6.2	81	0.011	.	15400	27	.	134	9780	0.7	0.1	66	-0.001
1998	FO516	36.0482	80.0661	6.3	59	0.034	.	7500	271	.	112	10470	4.8	0.5	81	-0.001
1999	FO517	36.0470	80.1181	6.5	68	0.122	.	6900	335	.	144	9820	1.6	1.7	75	-0.001
2000	FO518	36.0409	80.1899	7.6	61	0.007	.	9600	94	.	109	10340	1.5	0.1	68	-0.001
2001	FO519	36.0427	80.2300	6.7	35	0.011	11	9100	28	.	125	6230	-0.1	0.3	67	-0.001
2003	FO521	36.0083	80.2852	6.9	60	0.024	22	7800	165	.	112	8970	2.9	0.4	61	-0.001
2005	FO523	36.0414	80.2789	7.1	129	3.408	.	10900	357	.	143	12230	1.1	26.4	65	-0.001
2006	FO524	36.0659	80.3056	5.2	35	0.018	.	9400	33	.	116	5900	0.2	0.5	63	0.180
2007	FO525	36.0884	80.3457	7.7	147	1.491	.	7700	199	.	125	13720	-0.1	10.1	82	-0.001
2008	FO526	36.1259	80.3067	6.7	51	0.036	19	8600	.	.	135	5730	0.4	0.7	74	-0.001
2009	FO527	36.1324	80.3443	7.2	95	0.059	.	8400	112	.	111	10330	0.9	0.6	66	-0.001
2010	FO528	36.1844	80.3407	7.0	52	0.007	.	8100	81	.	99	8000	0.2	0.1	74	-0.001
2011	FO529	36.1844	80.2805	7.5	129	0.268	.	7600	411	.	138	9510	2.8	2.0	85	-0.001
2012	FO530	36.2379	80.2667	6.8	250	0.036	39	55100	.	.	140	19270	-0.1	0.1	75	-0.001
2013	FO531	36.2266	80.3400	7.3	180	0.062	804	9700	243	.	129	9980	1.6	0.3	76	0.200

WINSTON-SALEM 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
2014	FO532	36.2291	80.3996	7.2	85	-0.002	.	11500	47	.	104	8090	1.1	0.0	87	-0.001
2015	FO533	36.1821	80.3921	7.3	60	-0.002	.	8300	105	.	113	7620	0.9	0.0	97	-0.001
2016	FO534	36.1419	80.3996	7.2	70	-0.002	311	7400	85	.	117	5860	0.7	0.0	85	-0.001
2017	FO535	36.0947	80.4564	7.0	60	0.038	9	7900	44	.	114	5880	3.1	0.6	110	-0.001
2018	FO536	36.0944	80.5110	7.4	90	0.011	.	9300	117	.	117	8870	1.5	0.1	106	-0.001
2019	FO537	36.0523	80.4500	7.4	125	0.903	35	8600	77	.	145	7850	3.5	7.2	129	0.140
2020	FO538	36.0884	80.4038	7.4	90	0.275	.	7800	168	.	147	8390	3.3	3.0	122	-0.001
2021	FO539	36.0514	80.3966	7.2	100	0.137	24	10100	45	.	126	10740	3.3	1.3	129	-0.001
2022	FO540	36.0000	80.3884	7.3	105	0.070	.	9700	112	.	147	9240	12.6	0.6	157	-0.001
2023	FO541	36.1534	80.2050	7.3	20	-0.002	18	7100	.	.	116	4310	0.4	0.0	128	-0.001
2304	GU528	36.2288	80.0178	6.2	42	0.018	55	M	.	M	8	M	-0.1	0.4	35	-0.001
2305	GU529	36.1782	80.0091	5.9	132	0.042	20	16300	.	.	40	M	-0.1	0.3	46	-0.001
2307	GU531	36.1378	80.0158	6.7	39	0.035	39	6800	35	890	5	3430	2.6	0.9	37	-0.001
2308	GU532	36.0873	80.0237	5.9	51	0.022	50	7400	.	2320	16	3030	0.2	0.4	49	0.040
2338	GU562	36.0433	80.0182	6.8	170	0.034	.	12600	.	7810	6	9610	4.4	0.2	76	-0.001
2339	GU563	36.0161	80.0142	6.3	70	0.030	.	12300	.	.	16	6180	2.1	0.4	38	-0.001
2770	IR508	36.0286	80.9796	5.8	22	0.039	36	5200	.	820	9	1620	-0.1	1.7	40	-0.001
2771	IR509	36.0315	80.9179	6.1	31	0.027	26	5800	29	.	9	1710	0.2	0.8	35	-0.001
2778	IR516	36.0416	80.8610	6.6	29	0.044	26	4900	.	.	15	720	-0.1	1.5	79	-0.001
2779	IR517	36.0338	80.7976	6.2	40	0.034	28	8000	.	1050	.	2020	-0.1	0.8	52	-0.001
2810	IR548	36.0334	80.7424	7.1	82	0.661	19	3300	57	3670	5	3720	1.7	8.0	32	0.030
4545	RO517	36.2742	80.0023	6.0	241	0.069	.	55700	.	2200	73	23560	-0.1	0.2	35	-0.001
4564	RO536	36.4065	80.0135	8.0	358	2.828	.	13300	.	13840	103	15330	1.2	7.9	14	-0.001
4565	RO537	36.4502	80.0131	7.1	108	0.119	34	8000	14	5600	.	7560	1.0	1.1	17	-0.001
4566	RO538	36.4962	80.0138	7.3	90	0.047	.	4900	129	3030	67	4760	0.4	0.5	24	-0.001
4940	SO501	36.2688	80.1802	5.8	52	0.030	45	8500	.	.	46	3700	-0.1	0.5	233	-0.001
4941	SO502	36.2654	80.1232	6.9	62	0.170	29	4900	171	1350	.	4430	3.6	2.7	31	0.060
4942	SO503	36.2571	80.0690	6.5	69	0.036	14	5800	.	2060	24	4450	0.5	0.5	23	-0.001
4943	SO504	36.3064	80.1805	6.1	70	0.034	.	9000	.	350	2	10950	0.5	0.4	50	0.110
4944	SO505	36.3149	80.1238	6.1	77	0.039	53	11000	70	330	.	8350	0.4	0.5	191	-0.001
4945	SO506	36.3649	80.1369	6.2	101	0.042	43	7100	81	3140	47	9450	0.4	0.4	17	-0.001
4946	SO507	36.3591	80.1780	6.6	119	0.036	21	4700	83	3810	73	6890	0.4	0.3	18	-0.001
4947	SO508	36.4112	80.1757	6.8	228	0.244	52	15900	.	3560	60	11990	0.5	1.0	21	-0.001
4948	SO509	36.4132	80.2443	5.4	12	0.043	.	5000	.	.	5	860	-0.1	3.5	18	-0.001
4949	SO510	36.4501	80.2348	6.8	287	0.033	73	10200	.	3930	159	11270	-0.1	0.1	13	-0.001
4950	SO511	36.4928	80.2310	6.5	91	0.031	23	5000	.	2880	222	2180	-0.1	0.3	15	-0.001
4953	SO514	36.4974	80.1770	5.6	18	0.030	16	4900	20	.	20	1430	-0.1	1.6	29	0.040
4954	SO515	36.4495	80.1787	6.1	45	0.033	.	6700	45	.	11	5120	0.2	0.7	33	-0.001

WINSTON-SALEM 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
4955	S0516	36.4478	80.1215	6.1	44	0.016	.	5400	.	1850	30	3610	0.2	0.3	26	0.080
4956	S0517	36.4962	80.1241	5.8	14	0.024	13	M	.	M	10	M	-0.1	1.7	17	-0.001
4959	S0520	36.4925	80.0676	6.0	72	0.022	22	8000	.	1780	26	5650	-0.1	0.3	43	0.360
4960	S0521	36.4551	80.0670	6.7	59	0.307	40	5100	119	850	5	3550	1.0	5.2	14	-0.001
4961	S0522	36.4040	80.1218	7.2	350	0.108	58	6000	55	14100	23	11330	0.2	0.3	10	0.100
4962	S0523	36.4027	80.0613	6.9	58	0.024	27	4600	25	.	13	4880	1.2	0.4	17	0.050
4963	S0524	36.3584	80.0652	6.1	300	0.031	.	M	.	M	40	M	-0.1	0.1	38	-0.001
4964	S0525	36.3171	80.0661	7.3	290	0.118	17	6800	33	12130	380	8000	-0.1	0.4	18	-0.001
4965	S0526	36.3093	80.4045	6.0	32	0.251	.	4900	.	.	60	3400	-0.1	7.8	3364	-0.001
4966	S0527	36.3600	80.4091	6.0	50	0.047	.	6700	34	1100	18	3200	0.2	0.9	205	-0.001
4967	S0528	36.4077	80.3950	6.9	65	0.039	18	4600	154	1910	56	4440	0.2	0.6	34	-0.001
4968	S0529	36.4494	80.3909	6.5	32	0.044	12	3400	37	480	10	760	0.2	1.3	31	0.030
4973	S0534	36.4996	80.2802	6.7	71	0.047	.	4900	89	3170	22	5670	1.6	0.6	25	-0.001
4974	S0535	36.4937	80.3433	6.7	50	0.051	.	4600	29	2620	33	2850	0.2	1.0	22	-0.001
4975	S0536	36.4590	80.3309	6.3	23	0.030	15	4200	.	610	15	1140	-0.1	1.3	17	-0.001
4976	S0537	36.4467	80.2824	6.7	129	0.048	.	5000	100	.	73	M	-0.1	0.3	20	-0.001
4977	S0538	36.4094	80.2999	4.5	31	0.163	.	9000	.	600	13	1850	-0.1	5.2	315	0.380
4978	S0539	36.4030	80.3357	6.0	32	0.067	27	5000	79	540	.	3940	-0.1	2.0	29	-0.001
4979	S0540	36.3620	80.3415	6.0	35	0.025	11	4100	25	.	8	2020	0.3	0.7	21	-0.001
4980	S0541	36.3566	80.2876	6.3	70	0.029	32	15000	.	4540	.	7270	1.0	0.4	23	-0.001
4981	S0542	36.3627	80.2384	6.3	41	0.026	28	5100	41	.	9	4270	0.4	0.6	32	-0.001
4982	S0543	36.3155	80.2360	6.6	160	0.105	32	6800	146	6150	96	8710	-0.1	0.6	25	-0.001
4983	S0544	36.2656	80.2348	6.3	89	0.058	14	11600	.	2750	.	8770	1.6	0.6	22	-0.001
4984	S0545	36.2728	80.2974	7.0	340	0.879	69	10300	219	11790	120	14980	1.2	2.5	14	-0.001
4985	S0546	36.3090	80.2931	6.3	109	0.071	17	18500	.	.	11	M	-0.1	0.6	20	0.160
4986	S0547	36.3121	80.3510	6.2	80	0.032	20	9800	.	.	43	M	-0.1	0.4	19	-0.001
4987	S0548	36.2664	80.3506	6.5	172	0.038	9	5100	52	2620	20	3400	1.1	0.2	18	-0.001
4988	S0549	36.2656	80.3950	6.3	25	0.023	.	4700	.	.	9	1880	0.1	0.9	18	-0.001
5032	SU501	36.2744	80.8447	7.2	49	0.052	.	3500	21	2020	14	3840	1.9	1.0	16	0.040
5033	SU502	36.2670	80.7929	6.8	86	0.116	18	5100	11	.	21	M	-0.1	1.3	16	-0.001
5034	SU503	36.3117	80.7351	6.6	27	0.046	12	3800	9	330	7	1920	0.2	1.7	15	-0.001
5035	SU504	36.3575	80.7373	5.5	20	0.033	16	6100	.	.	23	3550	-0.1	1.6	16	-0.001
5036	SU505	36.4106	80.7433	6.9	81	0.265	13	4300	93	1850	23	M	-0.1	3.2	14	-0.001
5037	SU506	36.4022	80.7871	6.4	109	0.033	.	M	.	M	4	M	-0.1	0.3	16	-0.001
5038	SU507	36.4480	80.7501	6.2	33	0.041	10	5100	.	.	29	1980	-0.1	1.2	116	0.030
5039	SU508	36.4949	80.7330	6.1	25	0.046	5	4100	.	940	6	1670	0.3	1.8	30	-0.001
5044	SU513	36.4991	80.8959	6.3	45	0.057	10	7600	.	730	12	2110	0.5	1.2	324	0.050
5046	SU515	36.4934	80.7882	5.8	51	0.024	.	13300	.	590	14	7930	-0.1	0.4	24	0.080

WINSTON-SALEM 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
5047	SU516	36.4482	80.7884	6.4	30	0.038	17	4300	.	.	10	2490	0.2	1.2	17	-0.001
5048	SU517	36.4491	80.8457	6.3	22	0.036	27	4600	105	420	9	900	-0.1	1.6	31	-0.001
5049	SU518	36.4374	80.9062	6.5	23	0.023	.	4600	.	.	11	M	0.3	1.0	14	-0.001
5050	SU519	36.3968	80.8394	8.1	110	0.108	.	4000	54	4470	9	3860	0.7	0.9	21	-0.001
5051	SU520	36.4020	80.8919	6.3	12	0.041	17	4500	.	.	15	430	-0.1	3.4	21	-0.001
5052	SU521	36.3606	80.8484	6.1	21	0.027	.	4600	.	.	18	1380	0.1	1.2	17	0.030
5053	SU522	36.3694	80.8959	6.5	70	0.039	31	4000	241	.	31	1040	0.4	0.5	25	0.030
5054	SU523	36.3593	80.7988	5.6	12	0.035	.	4600	.	.	26	910	-0.1	2.9	44	0.150
5055	SU524	36.3180	80.7967	6.3	32	0.038	.	4500	51	530	15	2790	0.1	1.1	16	-0.001
5056	SU525	36.3149	80.8474	6.9	80	0.296	.	4100	21	1270	28	3510	-0.1	3.7	18	0.050
5057	SU526	36.2801	80.6788	6.4	80	0.337	32	17600	.	.	136	13480	-0.1	4.2	166	0.920
5058	SU527	36.3137	80.6812	7.0	32	0.049	18	M	41	M	34	M	-0.1	1.5	18	-0.001
5059	SU528	36.3573	80.6815	6.3	27	0.074	.	5700	.	810	8	2380	0.2	2.7	18	-0.001
5060	SU529	36.4031	80.6794	6.9	40	0.036	19	4400	34	.	8	2220	-0.1	0.9	19	0.030
5061	SU530	36.4491	80.6797	7.3	19	0.058	19	3800	41	620	11	M	-0.1	3.0	22	-0.001
5062	SU531	36.4901	80.6906	7.2	65	0.084	.	4600	80	1800	.	5980	-0.1	1.2	22	-0.001
5066	SU535	36.4898	80.4563	7.1	53	0.078	38	5800	.	560	56	4120	0.3	1.4	26	-0.001
5069	SU538	36.4951	80.5054	5.9	28	0.032	13	6000	23	.	17	2560	-0.1	1.1	27	0.160
5070	SU539	36.4529	80.4469	6.4	62	0.033	25	7900	.	2730	.	4470	0.6	0.5	16	-0.001
5071	SU540	36.3972	80.4560	6.0	61	0.031	.	10400	.	.	19	6740	-0.1	0.5	16	0.140
5072	SU541	36.3617	80.4534	6.3	30	0.034	13	4900	42	510	11	2090	-0.1	1.1	17	-0.001
5073	SU542	36.3578	80.5195	6.7	129	0.163	.	12800	.	.	20	9000	-0.1	1.2	22	-0.001
5074	SU543	36.3580	80.5657	6.7	62	0.065	25	5300	178	.	16	3290	-0.1	1.0	20	-0.001
5075	SU544	36.4906	80.5619	6.1	49	0.021	20	3800	.	1400	33	2270	-0.1	0.4	14	-0.001
5076	SU545	36.4975	80.6323	6.3	147	0.152	.	13600	.	.	25	M	0.3	1.0	13	-0.001
5077	SU546	36.4462	80.6229	6.3	110	1.115	6	17700	.	2090	142	M	-0.1	10.1	26	0.060
5078	SU547	36.4454	80.5637	6.2	20	0.077	28	3900	.	.	13	840	-0.1	3.8	19	0.030
5079	SU548	36.4462	80.5116	6.0	28	0.069	17	4400	49	670	7	2270	0.1	2.4	24	-0.001
5080	SU549	36.4030	80.5099	6.2	180	0.131	.	19900	.	7020	.	10390	0.4	0.7	18	-0.001
5081	SU550	36.4099	80.5729	6.8	29	0.061	15	4700	38	1150	.	2130	-0.1	2.1	16	-0.001
5082	SU551	36.4046	80.6218	6.4	42	0.059	.	3900	.	690	5	3830	0.4	1.4	17	-0.001
5083	SU552	36.3587	80.6314	6.7	48	0.044	6	3900	.	610	10	1080	-0.1	0.9	16	-0.001
5084	SU553	36.3150	80.6335	6.7	61	0.041	.	4400	75	1050	8	4420	0.6	0.6	18	-0.001
5085	SU554	36.3214	80.5733	6.4	120	0.063	17	16600	.	.	42	M	-0.1	0.5	14	-0.001
5086	SU555	36.3121	80.5110	6.6	48	0.057	.	5000	72	740	15	1910	0.9	1.1	15	-0.001
5087	SU556	36.3108	80.4617	6.6	50	0.042	.	4700	62	.	13	4090	0.4	0.8	18	-0.001
5088	SU557	36.2697	80.4534	6.4	96	0.045	28	M	.	M	30	M	-0.1	0.4	21	-0.001
5089	SU558	36.2719	80.5117	6.7	79	0.032	20	8500	.	2690	28	4800	-0.1	0.4	21	-0.001

WINSTON-SALEM 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
5403	WL501	36.2140	80.9025	6.7	40	0.043	.	4100	55	.	19	3830	1.2	1.0	16	-0.001
5404	WL502	36.1798	80.9131	6.3	54	0.057	.	3700	.	.	11	920	-0.1	1.0	11	0.040
5405	WL503	36.1308	80.9034	5.9	38	0.044	35	5400	.	1310	14	2090	-0.1	1.1	21	0.030
5406	WL504	36.0905	80.9023	6.7	110	0.329	23	6600	109	1930	65	6450	-0.1	2.9	24	-0.001
5407	WL505	36.0814	80.9478	6.7	100	0.106	16	4100	85	1450	60	7230	0.1	1.0	47	0.170
5425	WL523	36.1257	80.9750	6.0	52	0.053	.	9700	.	1570	117	4870	-0.1	1.0	60	1.210
5426	WL524	36.1748	80.9627	6.7	31	0.036	19	4900	.	470	16	1730	0.1	1.1	25	0.070
5476	WL574	36.3609	80.9559	5.8	30	0.042	20	3700	.	240	10	970	-0.1	1.4	15	-0.001
5477	WL575	36.3126	80.9607	5.7	30	0.027	.	3700	.	.	50	M	-0.1	0.9	19	-0.001
5478	WL576	36.2701	80.9627	5.3	40	0.033	.	6800	.	.	17	3370	-0.1	0.8	28	0.180
5479	WL577	36.2305	80.9644	6.2	70	0.035	26	6200	.	3440	3	2460	0.2	0.5	12	-0.001
5480	WL578	36.2682	80.8989	6.3	51	0.317	.	4300	.	240	3	4110	-0.1	6.2	11	0.070
5481	WL579	36.3112	80.9002	7.0	80	0.069	.	4400	.	.	67	M	-0.1	0.8	19	-0.001
5707	YD501	36.1159	80.7742	6.6	83	0.043	.	6200	.	1230	34	2320	-0.1	0.5	25	0.150
5708	YD502	36.0803	80.7915	8.1	122	0.300	8	4200	127	2260	33	6980	-0.1	2.4	14	-0.001
5709	YD503	36.0816	80.8386	6.3	39	0.042	25	4900	.	.	8	1310	-0.1	1.0	16	-0.001
5710	YD504	36.1212	80.8386	6.3	40	0.053	20	M	.	M	11	M	-0.1	1.3	21	-0.001
5711	YD505	36.1679	80.8393	6.4	28	0.030	32	5000	23	.	3	M	-0.1	1.0	19	-0.001
5712	YD506	36.2213	80.8436	6.4	80	0.407	19	4700	.	2590	.	4950	0.8	5.0	17	-0.001
5713	YD507	36.1775	80.7929	5.5	30	0.034	19	5200	29	1280	16	1110	-0.1	1.1	35	-0.001
5714	YD508	36.2164	80.7850	5.6	31	0.043	19	M	.	1360	.	M	0.1	1.3	37	-0.001
5715	YD509	36.2622	80.7396	5.8	20	0.040	14	4200	20	350	5	M	-0.1	2.0	23	-0.001
5716	YD510	36.2185	80.7375	5.7	24	0.035	16	M	.	M	6	M	-0.1	1.4	20	-0.001
5717	YD511	36.2266	80.6760	5.5	25	0.042	21	4500	.	.	10	1360	-0.1	1.6	18	-0.001
5718	YD512	36.2278	80.6284	6.1	180	0.060	11	4400	68	1130	59	3400	0.1	0.3	18	-0.001
5719	YD513	36.2739	80.6255	6.4	58	0.029	24	4400	42	320	11	4320	0.3	0.5	19	-0.001
5720	YD514	36.2739	80.5692	6.4	95	0.032	25	6000	.	1730	79	4450	-0.1	0.3	14	-0.001
5721	YD515	36.2316	80.5651	6.2	29	0.030	14	4500	56	.	14	1200	0.2	1.0	14	-0.001
5722	YD516	36.2252	80.5085	6.2	141	0.053	18	16300	.	4230	6	4780	0.2	0.3	14	-0.001
5723	YD517	36.2333	80.4569	6.1	41	0.038	36	6000	57	540	13	4690	0.2	0.9	38	-0.001
5724	YD518	36.1840	80.4612	6.5	87	0.032	21	5400	160	3060	36	6040	0.5	0.3	16	-0.001
5725	YD519	36.1428	80.4583	6.0	32	0.033	35	4600	31	.	11	1670	0.1	1.0	16	0.050
5726	YD520	36.1334	80.5120	6.8	78	0.050	.	3400	44	.	24	M	-0.1	0.6	20	-0.001
5727	YD521	36.1826	80.5111	6.1	89	0.043	29	5900	49	3050	34	7220	0.5	0.4	24	0.160
5728	YD522	36.1797	80.5666	6.8	162	0.072	.	11400	.	6760	3	4710	1.7	0.4	22	-0.001
5729	YD523	36.1776	80.6275	5.9	90	0.030	24	10800	.	990	7	6100	-0.1	0.3	17	-0.001
5730	YD524	36.1709	80.6771	5.9	70	0.030	.	10900	.	1690	15	4170	-0.1	0.4	16	-0.001
5731	YD525	36.1770	80.7378	5.9	30	0.020	.	5000	.	.	14	1770	-0.1	0.6	18	-0.001

WINSTON-SALEM 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
5732	YD526	36.1285	80.7218	5.5	145	0.057	53	M	.	5380	390	M	-0.1	0.3	29	-0.001
5733	YD527	36.1299	80.6774	6.8	95	0.189	11	4500	.	510	40	4430	0.2	1.9	21	-0.001
5734	YD528	36.1337	80.6232	6.3	169	0.044	62	M	.	M	41	M	-0.1	0.2	17	0.040
5735	YD529	36.1317	80.5694	6.9	98	0.040	.	5100	58	3980	8	3440	1.6	0.4	31	-0.001
5736	YD530	36.0865	80.5653	6.2	85	0.033	20	8300	26	1290	11	2430	0.8	0.3	17	-0.001
5737	YD531	36.0882	80.6241	7.0	102	0.147	26	5800	.	610	145	3340	4.7	1.4	103	0.050
5738	YD532	36.0816	80.6769	7.4	57	0.046	15	4500	57	.	8	820	0.8	0.8	24	-0.001
5739	YD533	36.0806	80.7357	6.5	115	0.135	.	17500	.	2490	17	9510	0.4	1.1	19	-0.001