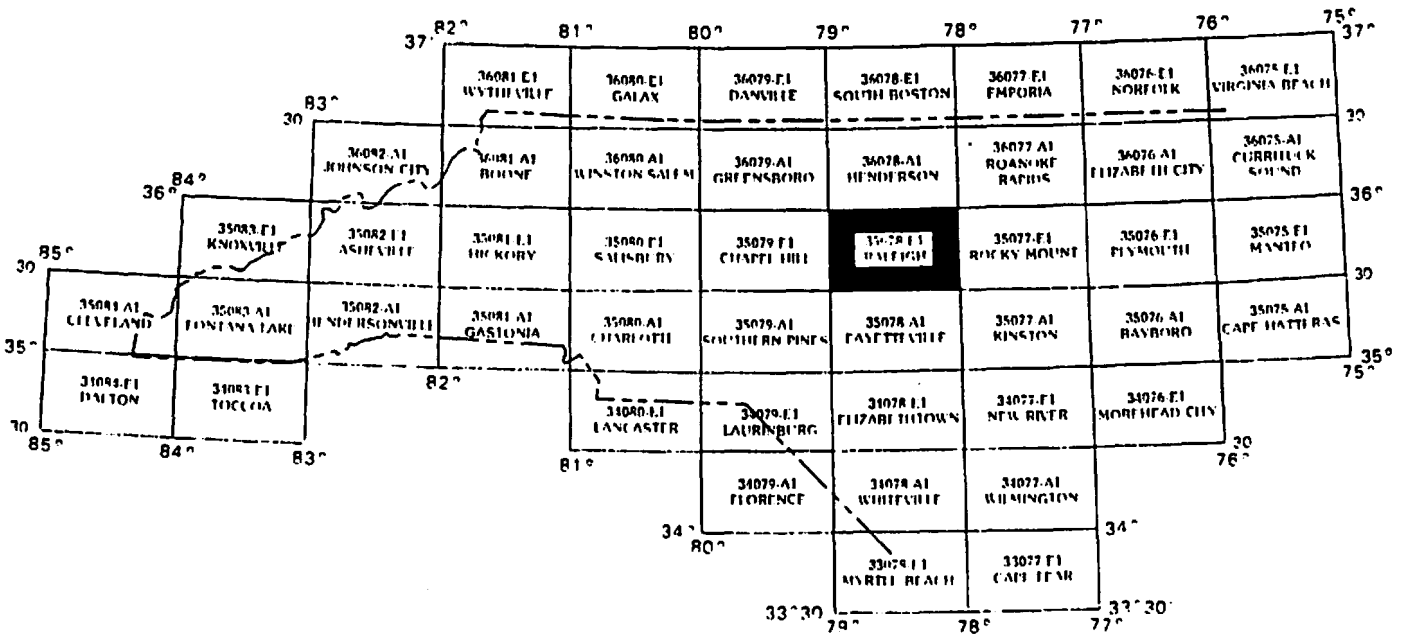
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Raleigh 30 x 60 - Minute Quadrangle -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-21

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

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

July, 1993

GEOLOGICAL SURVEY SECTION

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

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Jeffrey C. Reid
Chief Geologist

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INTRODUCTION

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

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

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

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

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

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

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

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

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

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

REFERENCES

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

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

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

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

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

CONTENTS

COUNTY CODES

Code	County
CH	Chatham
DR	Durham
FR	Franklin
HR	Harnett
JO	Johnston
LE	Lee
NA	Nash
OR	Orange
WA	Wake
WI	Wilson
WY	Wayne

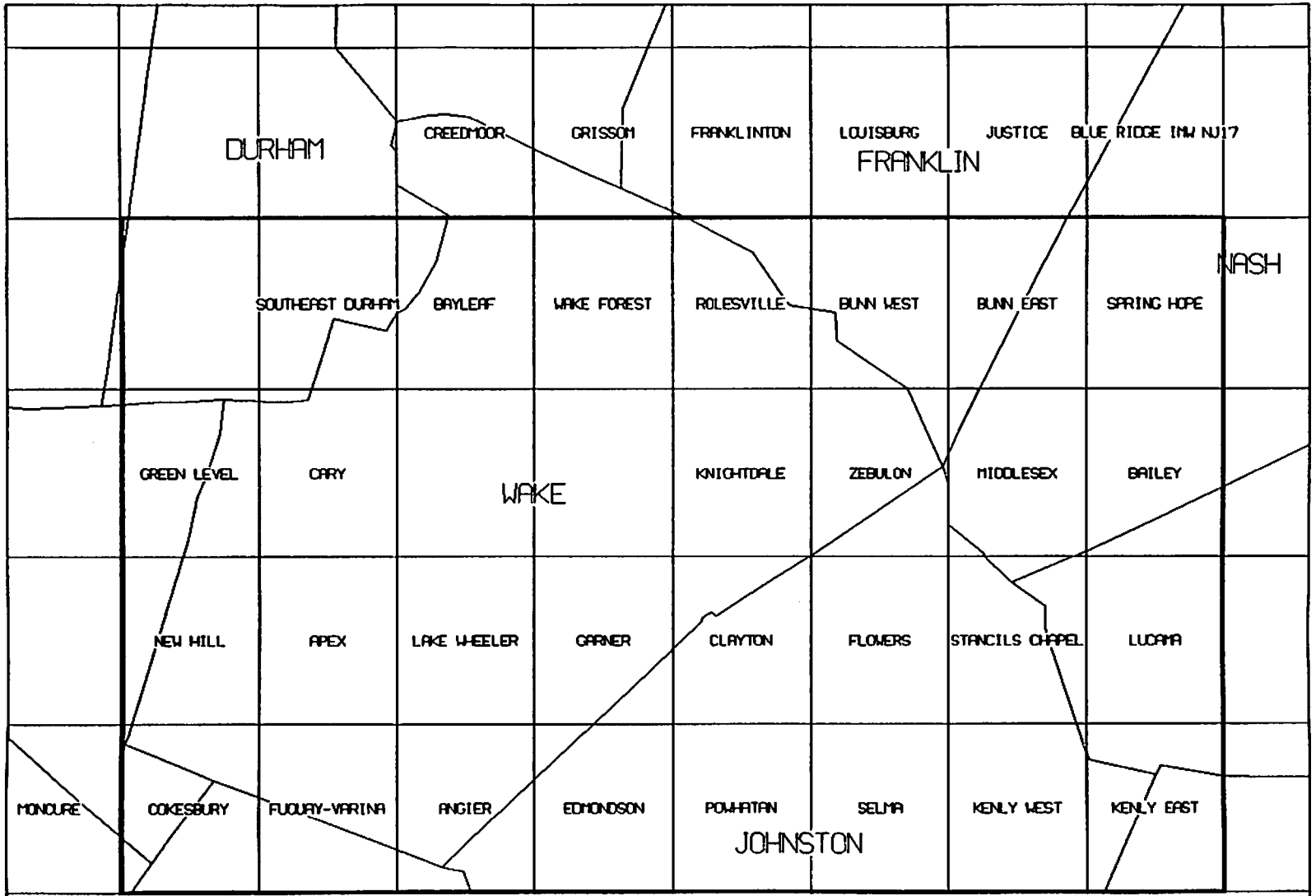

Figure 1. Map Showing Outlines of Raleigh 30 x 60 Minute - Quadrangle and Contained 7 - 1/2 Minute Quadrangles

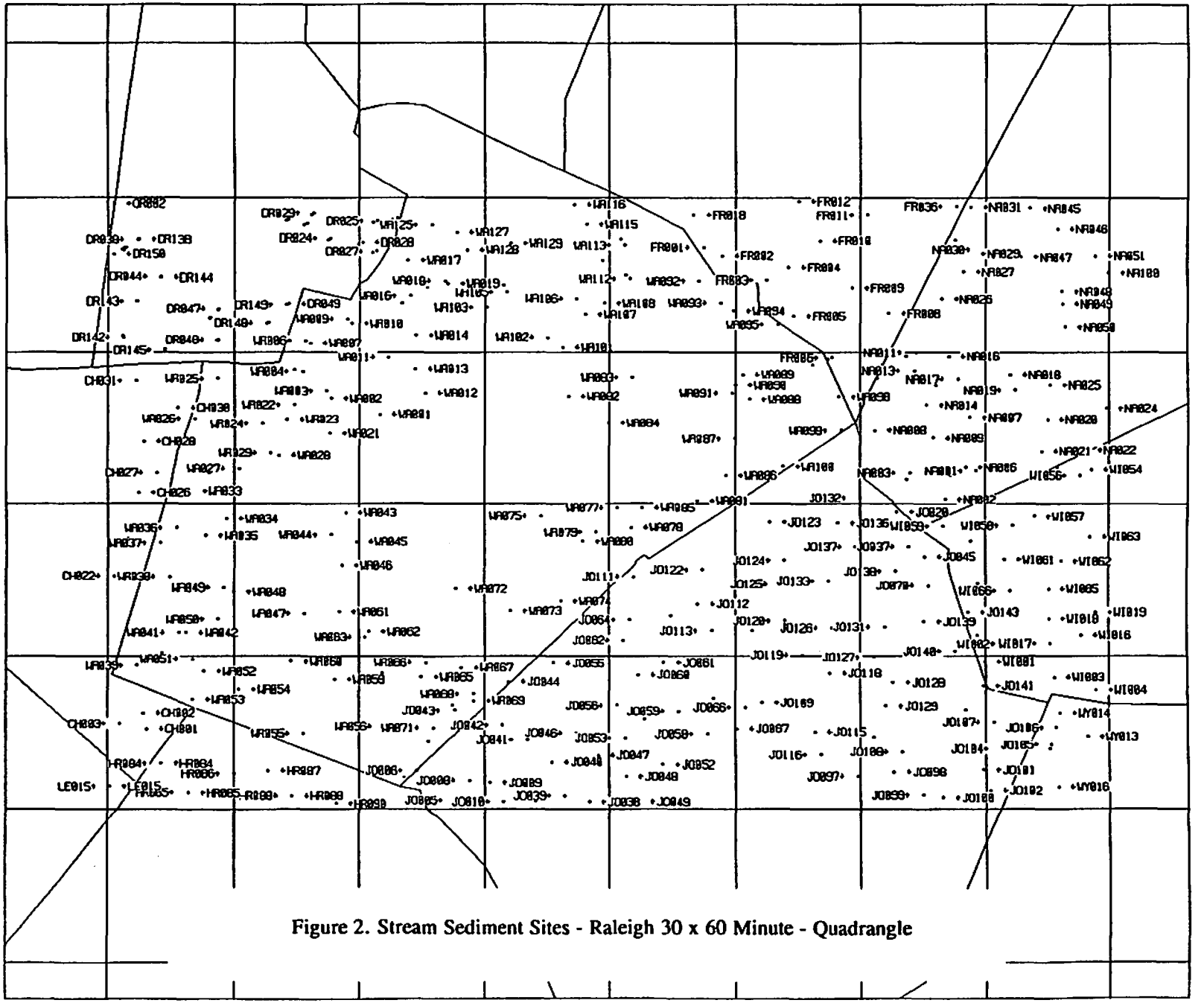

Figure 2. Stream Sediment Sites - Raleigh 30 x 60 Minute - Quadrangle

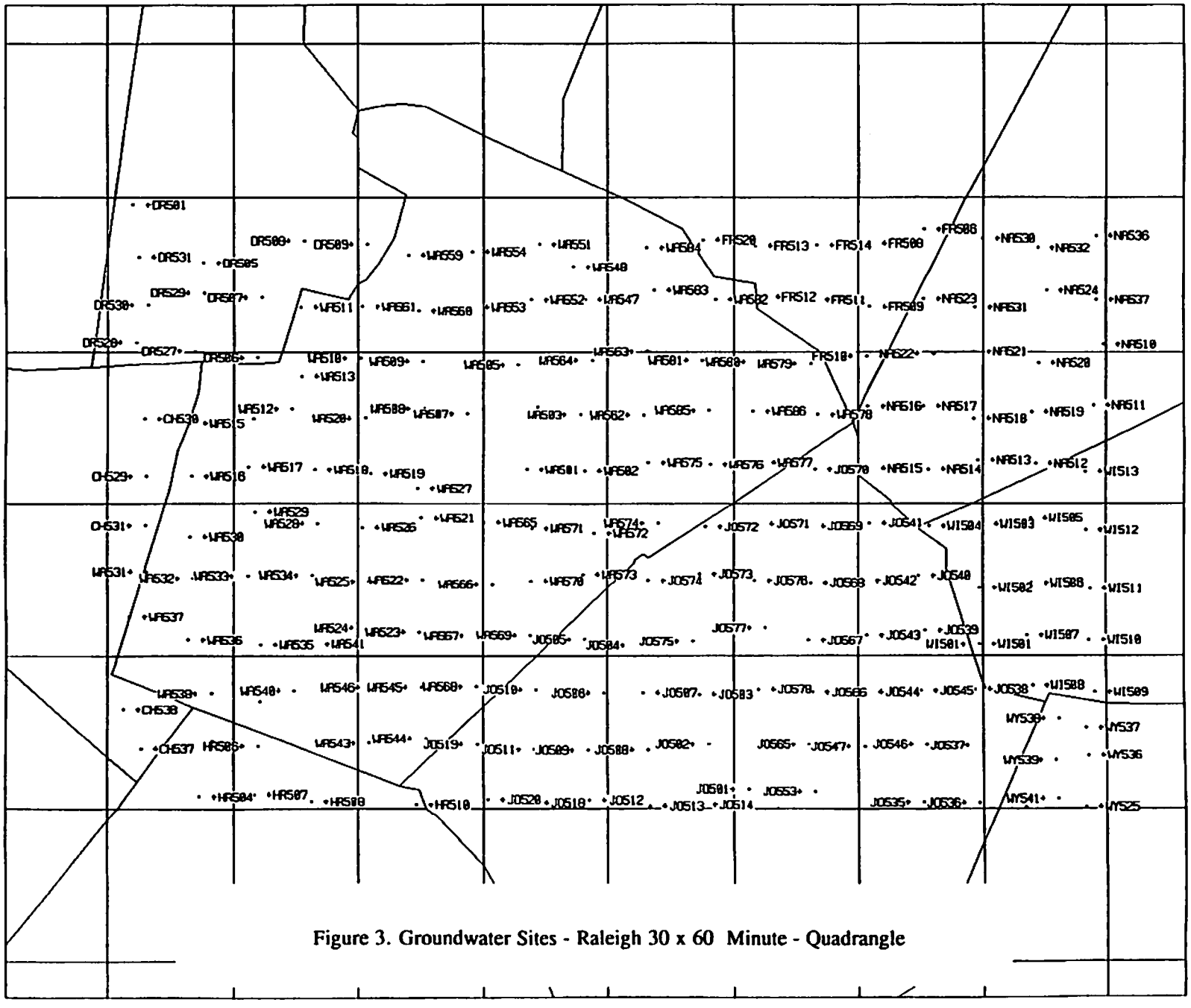

Figure 3. Groundwater Sites - Raleigh 30 x 60 Minute - Quadrangle

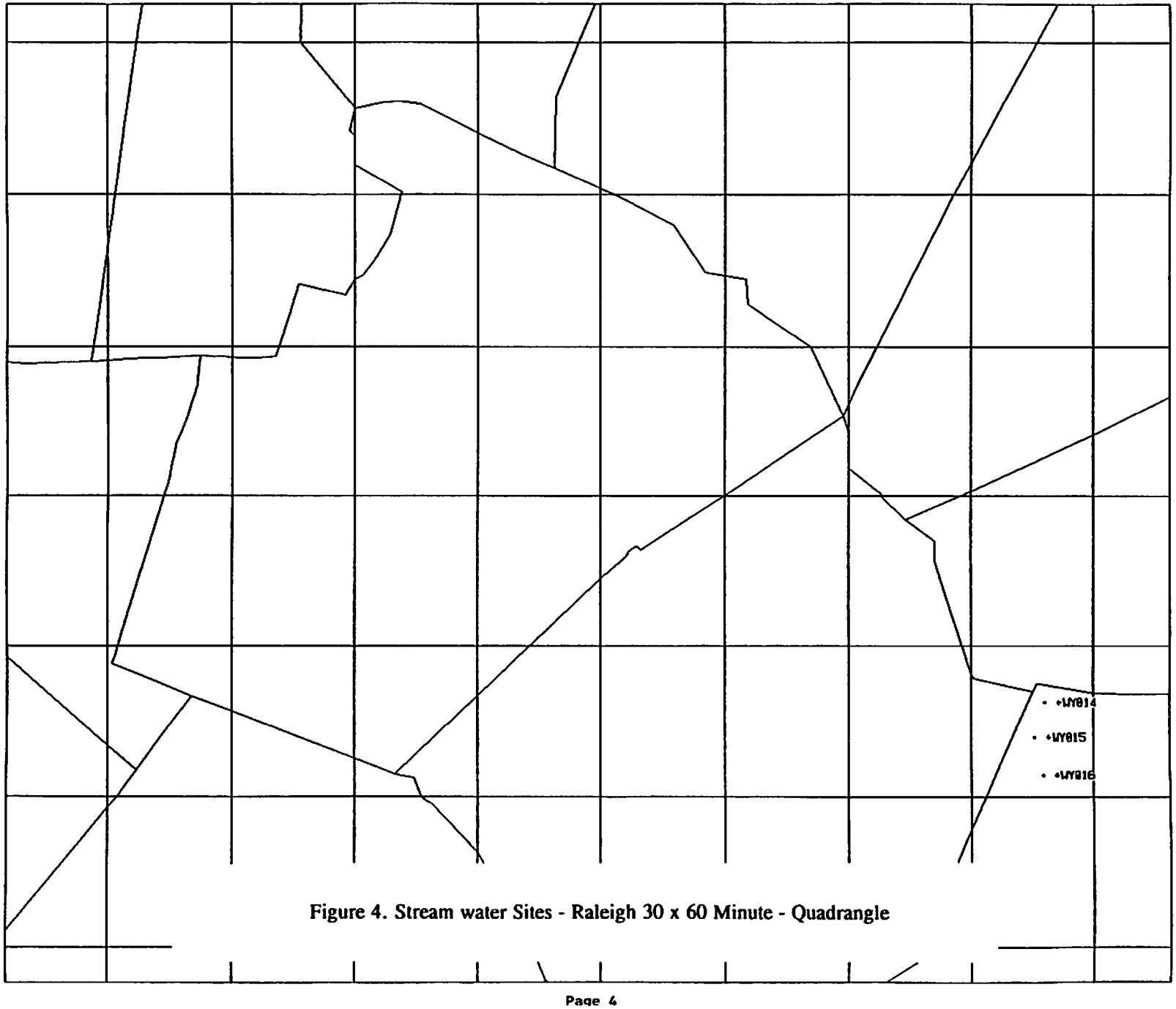

Figure 4. Stream water Sites - Raleigh 30 x 60 Minute - Quadrangle

RALEIGH 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
1044	CH001	35.5657	78.9608	7.2	50	1.5	5	13	34400	19	22400	940	11600	10.0	9100	80	M	-1.0	9	2	1.8	0.4	
1045	CH002	35.5787	78.9642	7.6	49	2.0	10	9	29100	46	12600	530	11000	4.9	4300	30	M	-1.0	18	3	1.8	0.2	
1046	CH003	35.5702	78.9878	M	M	1.3	4	15	24900	20	9800	240	8500	1.9	1900	10	M	-1.0	11	1	M	0.3	
1065	CH022	35.6915	78.9940	6.8	78	2.3	21	18	28200	93	7200	200	5000	4.7	3300	20	M	M	38	6	M	0.3	
1067	CH024	35.7221	78.9802	7.6	45	2.8	11	15	43200	53	21800	380	8700	6.9	6200	70	M	-1.0	27	3	2.8	0.5	
1069	CH026	35.7598	78.9695	6.9	48	2.7	16	11	43800	77	20500	330	10600	5.3	5100	50	M	1.6	30	2	M	0.2	
1070	CH027	35.7764	78.9512	7.2	60	2.2	12	6	42100	59	15700	480	8000	5.5	4800	40	M	M	29	3	M	0.3	
1071	CH028	35.8022	78.9645	7.2	65	7.9	108	48	38300	377	17300	580	9200	8.8	5300	60	11.5	M	236	16	M	0.6	
1072	CH029	35.8201	78.9442	7.1	60	2.2	16	6	52700	84	23400	410	12800	7.5	3800	50	3.5	-1.1	26	3	M	-0.2	
1073	CH030	35.8300	78.9307	7.1	70	1.4	5	7	44300	32	9400	420	13800	6.2	2300	30	M	-1.1	11	1	M	-0.2	0.025
1074	CH031	35.8522	78.9722	7.3	82	2.5	10	13	19700	23	8900	220	5700	4.3	2100	20	3.4	-1.1	13	2	1.6	-0.2	
1747	DR022	35.9828	78.8215	M	M	2.9	13	10	45600	58	17400	980	11700	6.2	3600	50	62.1	1.3	25	3	2.0	0.3	
1748	DR023	35.9796	78.8031	7.7	112	10.1	343	45	46500	1162	34800	2280	41300	6.4	17600	160	30.0	M	597	53	13.1	2.3	
1749	DR024	35.9677	78.7790	M	M	2.2	12	13	61700	60	34100	1330	17000	10.2	4900	70	4.6	1.3	23	2	M	0.4	
1750	DR025	35.9818	78.7319	M	M	4.5	27	69	41000	94	18200	720	14300	13.6	6300	70	M	1.1	49	5	5.3	0.9	
1751	DR026	35.9840	78.7115	7.7	172	2.2	-1	36	50900	28	29600	1770	43800	11.9	15500	150	M	3.8	17	3	M	0.8	
1752	DR027	35.9572	78.7325	7.5	159	1.9	4	23	43800	45	22800	700	12900	9.6	7700	60	5.1	-1.0	14	3	2.3	0.5	
1753	DR028	35.9644	78.7467	M	M	1.6	4	17	58600	26	22500	830	19500	9.7	5600	70	M	-1.0	12	2	M	0.3	11.056
1754	DR029	35.9878	78.7959	7.6	180	3.5	18	13	62600	95	24100	520	13700	9.1	3500	50	M	-1.0	37	4	3.1	0.4	
1763	DR038	35.9665	78.9705	8.5	235	7.3	-3	63	43500	-20	26100	530	12500	8.4	4700	80	15.7	-1.6	55	M	M	-0.2	
1764	DR039	35.9589	78.9861	7.4	122	2.7	41	5	75800	165	17000	940	12500	12.7	6000	130	9.5	4.6	89	7	4.9	1.2	
1765	DR040	35.9603	78.9835	7.4	190	2.3	5	15	35500	-20	40200	340	12500	8.8	2800	50	5.0	1.1	M	M	M	-0.2	
1766	DR041	35.9037	78.8990	M	M	3.1	33	21	40900	170	30200	340	16700	6.0	3200	30	2.9	-1.0	95	13	7.8	1.0	
1767	DR042	35.8889	78.9855	7.3	170	2.0	12	7	49100	31	20900	660	16200	9.0	2700	60	1.1	-1.0	60	M	12.3	0.7	
1768	DR043	35.9168	78.9718	7.1	350	2.5	6	15	40000	36	27800	330	12900	4.9	3900	60	3.3	-1.0	30	M	M	-0.3	
1769	DR044	35.9366	78.9475	M	M	5.1	-2	64	51300	39	7500	1290	15200	16.1	5900	90	5.2	3.5	62	7	12.1	-0.3	
1770	DR045	35.8780	78.9435	M	M	1.7	-3	10	26500	-20	11600	290	11100	6.1	2400	40	1.2	-1.0	M	M	3.6	-0.3	
1771	DR046	35.8858	78.8910	M	M	2.5	5	8	49900	-20	6300	830	20000	5.6	3000	70	1.8	-1.7	M	31	M	-0.3	
1772	DR047	35.9108	78.8902	M	M	4.0	4	22	43900	22	-5000	450	20800	3.3	3000	40	5.4	7.7	M	M	M	0.5	
1773	DR048	35.8999	78.8411	7.3	181	2.4	13	8	49100	-20	12500	360	17100	4.8	3500	40	3.9	-1.0	14	M	13.1	0.6	
1774	DR049	35.9149	78.8213	M	M	1.3	11	12	40300	-20	7600	330	17000	11.1	2500	30	4.1	-1.0	M	19	3.8	M	
1796	DR122	35.9816	78.8235	M	M	1.6	-2	5	40900	34	12600	250	13700	3.1	2400	50	2.3	-1.0	M	27	M	-0.2	
1797	DR123	35.9783	78.8063	M	M	3.4	35	2	54100	161	7000	560	21000	3.1	3000	30	3.5	-1.0	119	12	3.7	-0.4	
1798	DR124	35.9662	78.7820	M	M	2.2	12	2	49900	64	18400	730	19000	5.5	4800	60	M	M	M	M	M	-0.4	

RALEIGH 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
1799	DR125	35.9807	78.7356	7.3	102	2.6	14	18	42300	92	15800	550	20900	5.8	5400	50	2.4	-1.0	M	M	M	0.9	
1800	DR126	35.9826	78.7164	7.8	169	2.1	-1	8	45600	26	18000	650	18500	5.3	6200	60	3.2	-1.0	26	3	M	1.0	
1801	DR127	35.9559	78.7368	7.5	155	2.2	11	8	6200	48	32900	M	M	7.1	M	M	M	5.0	M	M	M	0.7	
1802	DR128	35.9629	78.7505	M	M	1.2	-2	5	18200	-20	19900	220	15200	4.4	M	M	M	2.6	M	M	M	0.6	
1803	DR129	35.9870	78.7983	7.0	438	3.9	38	14	42100	161	-7000	410	31800	3.3	2900	30	6.5	2.8	117	10	6.7	-0.4	
1812	DR138	35.9668	78.9692	7.3	270	10.5	41	71	42300	157	30500	810	23200	10.7	11100	130	15.6	2.0	103	25	16.9	2.7	
1813	DR139	35.9583	78.9846	7.3	120	2.2	4	17	41500	-23	29000	770	25100	11.8	7400	90	2.0	-1.0	M	M	4.6	-0.3	
1814	DR140	35.9599	78.9819	7.5	129	2.8	9	24	28500	-20	12500	380	23200	10.0	5000	50	3.7	-1.0	20	36	13.2	-0.2	
1815	DR141	35.9029	78.8999	7.1	171	3.4	21	20	35900	32	11100	230	26300	8.6	3200	30	3.1	-1.2	24	4	11.0	-0.2	
1816	DR142	35.8877	78.9844	7.3	140	3.0	7	29	36300	-20	22100	780	29300	8.3	6400	60	4.2	-1.2	24	M	M	1.0	
1817	DR143	35.9168	78.9708	7.2	345	1.9	4	11	31500	-20	-5000	280	24200	7.1	2600	40	3.4	-1.9	M	M	6.1	M	0.126
1818	DR144	35.9359	78.9474	M	M	2.4	-4	17	32900	-20	16700	560	22600	10.8	3100	60	3.0	-1.0	35	M	7.3	-0.3	
1819	DR145	35.8770	78.9432	M	M	4.7	12	60	28500	69	17100	480	21300	9.6	4300	40	8.0	-1.0	27	3	6.7	0.9	
1820	DR146	35.8854	78.8921	7.5	198	2.4	13	17	42600	53	19000	600	28700	7.4	3400	60	3.6	-1.9	32	M	M	0.6	
1821	DR147	35.9099	78.8912	7.1	161	2.8	M	14	40300	M	M	310	28300	6.2	1400	30	3.1	M	M	M	M	M	
1822	DR148	35.8993	78.8431	7.4	124	2.5	15	12	47100	60	20400	450	28600	9.1	3000	40	4.4	3.9	54	41	M	M	
1823	DR149	35.9138	78.8234	M	M	1.2	M	14	37100	M	M	340	29700	7.1	2400	50	3.8	M	M	M	M	M	
1824	DR150	35.9549	78.9942	M	M	1.9	-4	13	44300	-20	22200	510	26700	10.5	2400	60	2.4	-1.0	18	M	M	M	0.255
2172	FR001	35.9604	78.4067	7.5	45	6.5	M	13	69000	M	M	240	7600	2.4	3900	30	2.2	M	M	M	M	M	
2173	FR002	35.9537	78.3885	7.2	40	5.2	53	M	61500	157	13600	320	14600	2.0	4600	30	M	M	91	7	M	M	0.031
2174	FR003	35.9337	78.3437	6.9	42	44.2	1000	18	75900	3228	16800	370	27900	3.0	5500	30	42.0	9.8	M	203	M	M	
2175	FR004	35.9441	78.3217	6.9	41	30.2	698	18	68100	2020	9800	600	30700	2.5	6800	30	25.3	7.2	1255	128	M	-0.2	
2176	FR005	35.9050	78.3168	7.1	45	55.1	1330	15	76900	3929	10200	450	31000	2.3	6500	50	51.6	29.3	M	260	M	-0.2	
2177	FR006	35.8711	78.2782	6.9	50	9.9	M	14	75400	M	M	350	17300	2.0	3000	40	2.8	M	M	43	1.3	M	
2178	FR007	35.8652	78.2282	6.9	55	1.4	-3	11	16400	-20	16000	220	8600	4.1	3000	30	1.4	-1.0	10	31	1.7	M	
2179	FR008	35.9070	78.2224	6.3	42	2.3	22	8	19900	71	9500	180	9000	1.1	2800	20	3.1	-1.0	35	4	2.4	-0.2	0.105
2180	FR009	35.9275	78.2587	6.7	50	9.8	89	7	83600	314	17400	590	29100	2.6	3700	30	9.2	3.7	136	12	4.6	0.3	
2181	FR010	35.9658	78.2903	6.9	48	23.3	452	10	86500	1186	14300	480	34400	3.3	4400	30	17.9	3.5	761	79	5.4	-0.2	
2182	FR011	35.9866	78.2423	6.9	70	17.2	316	21	64800	928	-5000	330	25400	1.6	3600	40	20.7	4.4	523	66	12.2	0.8	
2183	FR012	35.9977	78.3116	6.8	40	27.5	529	11	88100	1458	32300	480	32500	2.6	5700	50	30.7	6.1	890	99	12.0	0.9	
2189	FR018	35.9866	78.4163	6.6	42	13.2	274	28	67900	654	49500	830	24100	6.5	12300	160	10.2	3.9	325	39	5.1	-0.2	
2207	FR036	35.9935	78.1546	6.8	61	7.7	12	47	55300	-20	5900	440	16600	7.9	2700	20	1.6	M	M	8	6.7	0.9	
2910	HR084	35.5374	78.9467	8.3	65	4.6	13	36	42300	82	40400	2000	11900	9.5	29300	150	2.2	-1.7	43	7	2.8	0.5	
2911	HR085	35.5138	78.9202	7.4	39	3.3	5	14	25700	17	6600	230	6600	2.8	2800	10	4.3	-1.0	11	2	3.6	0.6	

RALEIGH 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
2912	HR086	35.5294	78.8751	7.3	50	2.8	8	22	15400	45	11300	160	2200	3.9	M	10	2.7	-1.2	16	3	1.5	0.6	
2913	HR087	35.5317	78.8409	7.5	260	2.2	7	13	16600	22	7600	M	1100	2.5	M	10	M	-1.0	12	3	M	0.4	
2914	HR088	35.5115	78.8177	M	M	2.9	11	9	34000	48	16800	240	1400	5.6	6100	50	5.8	-1.7	25	4	4.4	0.6	
2916	HR090	35.5047	78.7736	7.1	50	3.3	8	23	13300	33	5300	50	100	4.1	4100	30	2.5	-1.0	15	4	M	0.4	0.516
3315	J0005	35.5077	78.6528	7.0	80	4.6	M	53	10100	M	M	160	200	2.5	7000	30	2.5	M	M	7	M	M	
3316	J0006	35.5315	78.6922	7.7	260	3.5	9	34	8900	65	8900	170	200	2.5	6900	20	2.4	-1.0	20	4	1.6	0.5	
3317	J0007	35.5552	78.6807	7.3	65	4.5	12	48	16700	103	9800	610	1000	6.0	11000	40	2.2	M	29	6	3.6	0.4	
3318	J0008	35.5236	78.6404	6.6	122	3.1	18	28	8100	-77	9500	400	400	3.0	9200	20	3.7	M	23	3	M	-0.4	
3319	J0009	35.5217	78.6199	7.1	80	3.4	11	27	13400	44	14400	100	200	2.1	4800	20	4.2	M	25	5	M	0.3	
3320	J0010	35.5065	78.6065	M	M	3.8	14	20	9800	67	8100	80	200	1.1	3700	20	3.6	M	23	6	2.8	0.5	
3321	J0011	35.5070	78.5746	7.1	90	5.1	14	38	17600	77	12800	180	200	4.1	5400	30	7.7	-1.7	39	6	1.8	0.4	
3330	J0020	35.7436	78.2139	M	M	13.0	34	70	202000	-20	145500	730	2000	46.2	16800	410	0.5	-1.6	33	5	11.2	1.3	
3347	J0037	35.7153	78.2022	6.7	55	1.9	-3	18	13500	-24	14600	350	1500	3.7	4500	30	1.9	3.9	7	2	4.6	0.4	
3348	J0038	35.5062	78.5208	M	M	1.4	4	13	7700	-20	6400	60	100	1.5	3600	20	1.0	-1.0	6	1	1.1	M	
3349	J0039	35.5112	78.5453	7.0	55	3.7	9	23	16900	38	7600	100	200	3.8	3800	30	4.9	M	23	3	M	M	
3350	J0040	35.5386	78.5583	7.3	75	0.5	M	M	M	M	M	M	M	0.3	200	M	M	M	M	M	M	M	0.013
3351	J0041	35.5567	78.5822	M	M	2.6	6	40	9000	28	8900	150	200	1.9	5800	20	M	2.3	13	3	2.8	0.5	
3352	J0042	35.5686	78.6075	7.3	68	7.8	22	96	9800	115	9500	250	100	1.7	9200	40	7.2	M	106	9	7.7	0.6	
3353	J0043	35.5809	78.6549	7.1	110	2.7	6	31	27100	41	20700	640	4400	8.0	8200	70	1.4	-1.0	15	2	1.6	0.4	
3354	J0044	35.6044	78.6017	7.0	55	3.0	8	46	7500	18	5900	90	200	1.9	4700	10	2.0	-1.0	11	2	1.8	0.3	
3355	J0045	35.7070	78.1867	7.2	69	2.9	-2	55	13400	-20	11300	370	700	3.6	6400	30	2.4	M	8	1	M	0.4	
3356	J0046	35.5623	78.5337	6.6	65	2.7	10	40	10200	42	9700	120	100	1.5	5400	20	1.4	M	12	1	M	-0.6	0.040
3357	J0047	35.5440	78.5115	7.6	140	2.3	5	28	7400	37	10900	220	200	2.4	5100	20	M	-1.2	18	2	2.3	M	
3358	J0048	35.5265	78.4832	M	M	3.3	7	11	54300	55	15200	340	3200	10.4	7900	80	7.4	M	28	3	M	0.4	
3359	J0049	35.5061	78.4717	M	M	3.5	6	21	10600	49	5300	120	200	1.3	5200	20	4.8	-1.0	19	2	M	0.5	0.074
3362	J0052	35.5363	78.4468	M	M	2.0	M	20	9400	M	M	210	600	1.3	6000	20	1.3	M	M	4	M	M	
3363	J0053	35.5580	78.4836	M	M	3.3	8	24	8100	30	6700	90	100	1.9	4900	20	2.1	-1.0	18	3	2.5	0.3	
3364	J0054	35.5824	78.5229	7.2	52	8.2	45	83	18100	220	26500	340	700	3.6	9800	110	6.0	M	114	11	3.0	0.8	
3365	J0055	35.6195	78.5566	7.2	67	4.0	23	24	44900	31	5300	390	5800	1.9	4200	20	M	M	25	2	M	-0.4	
3366	J0056	35.5849	78.4924	M	M	5.4	31	144	7700	106	11800	240	400	3.4	7200	30	5.2	1.5	47	5	4.3	0.8	
3367	J0057	35.5737	78.4648	7.4	69	1.7	9	20	16000	23	11700	120	600	4.6	4100	30	1.5	1.3	16	2	M	0.2	
3368	J0058	35.5615	78.4028	6.9	78	2.0	3	27	14200	22	10100	210	500	2.2	5200	30	3.3	-1.0	9	2	3.0	0.4	
3369	J0059	35.5799	78.4306	7.1	65	7.8	46	119	21200	148	16000	380	600	3.1	14100	70	8.8	M	77	15	3.1	0.9	
3370	J0060	35.6099	78.4711	6.7	83	2.8	2	49	13400	-20	14100	170	200	3.1	6400	40	2.1	-1.0	7	1	M	0.3	

RALEIGH 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
3371	J0061	35.6199	78.4457	7.6	60	2.3	4	19	21800	15	9500	240	1800	4.9	2200	30	M	-1.0	12	2	M	0.4	
3372	J0062	35.6385	78.4860	M	M	1.8	-2	20	13600	23	-5000	50	400	1.5	2700	10	M	-1.5	8	1	M	-0.2	
3373	J0063	35.6415	78.5251	7.2	61	2.4	6	21	28200	-27	6500	280	4100	1.0	3700	10	M	M	11	1	M	0.4	
3374	J0064	35.6552	78.4797	7.0	40	4.5	31	59	22500	74	11700	320	700	3.2	7000	50	2.5	-1.0	45	4	M	0.3	
3375	J0065	35.5907	78.3965	7.2	100	3.0	9	33	22000	21	10400	40	200	2.8	3400	30	M	-1.0	11	2	3.4	0.3	
3376	J0066	35.5833	78.3650	9.3	78	1.2	-1	10	19800	20	-5000	60	1500	1.5	1800	10	4.9	1.8	23	5	6.9	0.4	0.048
3377	J0067	35.5658	78.3732	M	M	1.8	4	11	21600	22	12300	70	400	3.1	3200	30	3.5	-1.2	9	2	3.0	0.3	
3380	J0070	35.6833	78.1825	7.0	75	2.7	-2	62	10900	-20	8400	150	500	2.7	10000	30	1.8	M	9	1	M	-0.5	
3407	J0097	35.5269	78.2527	7.1	141	1.5	M	7	9300	M	M	90	700	1.4	3900	10	1.9	M	11	3	M	M	
3408	J0098	35.5304	78.2173	M	M	3.1	M	14	17900	M	M	70	400	2.8	5000	30	3.6	M	M	4	M	M	2.392
3409	J0099	35.5117	78.1881	6.8	51	2.7	6	16	38500	28	7900	130	4900	5.7	9400	60	7.2	-1.6	17	3	M	0.5	
3410	J0100	35.5097	78.1688	M	M	2.5	4	17	14300	27	7000	100	300	1.9	5800	30	3.9	-1.0	13	4	1.9	0.3	
3411	J0101	35.5320	78.1275	M	M	3.2	14	46	20000	-20	13800	M	200	1.9	10900	30	M	3.6	15	3	M	0.6	
3412	J0102	35.5155	78.1208	M	M	2.3	M	40	11100	M	M	M	800	2.8	M	30	M	M	M	M	M	M	
3414	J0104	35.5493	78.1091	M	M	5.3	11	103	19500	33	7800	260	200	3.7	16000	40	2.6	-1.0	19	2	2.9	0.6	
3415	J0105	35.5525	78.0590	6.8	90	4.2	9	94	19100	13	16100	570	1200	4.9	26200	60	M	-1.0	11	2	1.9	0.5	
3416	J0106	35.5666	78.0538	6.7	45	8.6	M	209	18100	M	M	810	400	5.5	34200	70	3.1	M	M	4	M	M	
3417	J0107	35.5712	78.1173	M	M	2.1	5	33	6200	-20	5400	110	200	1.8	6800	20	1.4	-1.0	7	1	M	0.5	
3418	J0108	35.5467	78.2089	M	M	1.4	10	24	6800	16	5800	110	200	1.6	5100	20	0.9	-1.0	11	1	M	0.3	
3419	J0109	35.5872	78.3483	7.5	70	2.6	13	37	17500	37	14900	220	1300	3.8	5200	30	2.2	-1.1	15	2	2.2	0.5	
3420	J0110	35.6585	78.4386	7.6	144	2.1	8	13	29700	-20	73700	700	2700	9.9	8400	200	2.1	-1.0	14	2	M	0.4	
3421	J0111	35.6907	78.4755	7.6	60	4.0	12	27	49200	-20	13300	320	10300	2.8	4500	30	M	M	24	2	2.3	0.2	
3422	J0112	35.6684	78.4124	7.3	52	2.1	7	12	21200	21	18300	290	2200	4.8	4100	40	3.8	-1.0	12	2	M	0.2	
3423	J0113	35.6461	78.3983	7.4	50	2.5	7	33	30300	23	20500	690	2800	9.4	8500	100	1.7	-1.0	15	3	2.7	0.3	
3424	J0114	35.6465	78.3583	7.4	68	6.1	12	113	20400	32	19100	490	1400	5.6	13000	50	3.6	-1.4	19	2	4.5	0.5	
3425	J0115	35.5630	78.2957	M	M	2.9	18	11	53600	105	17600	470	2800	5.4	5700	70	8.2	M	31	5	M	-0.4	
3426	J0116	35.5444	78.2898	M	M	2.5	17	23	8200	57	7100	140	400	1.4	4300	10	2.5	-1.0	34	4	3.5	0.2	
3427	J0117	35.5588	78.2370	M	M	3.0	M	16	24500	M	M	60	400	3.3	5300	40	3.8	M	M	3	M	M	
3428	J0118	35.6113	78.2808	7.3	72	4.5	35	42	31700	92	12000	270	4800	6.3	4200	30	2.6	-1.4	55	6	M	0.3	
3429	J0119	35.6262	78.3082	7.3	70	2.4	19	24	18400	40	7700	160	3100	1.7	3100	10	1.3	-1.4	23	2	M	0.2	
3430	J0120	35.6544	78.3258	7.1	71	2.0	5	13	32900	20	15300	300	1000	3.2	4200	40	M	M	9	2	M	0.2	
3431	J0121	35.6828	78.3564	6.9	60	1.9	7	39	6300	-68	7700	170	100	3.1	9300	20	2.3	M	8	1	M	-0.5	
3432	J0122	35.6964	78.4071	7.2	52	3.9	4	18	56900	-20	7500	260	11000	2.2	3400	20	M	M	13	1	M	-0.2	
3433	J0123	35.7354	78.3407	7.1	115	5.1	52	18	55400	140	5700	240	12300	2.1	3800	10	5.2	2.2	69	7	M	0.4	

RALEIGH 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
3434	JO124	35.7038	78.3262	7.3	47	5.5	20	98	29800	31	7300	150	4600	2.6	7100	20	1.6	-1.0	20	2	2.1	0.5	
3435	JO125	35.6846	78.3285	7.2	70	4.8	24	30	43300	70	13000	290	8300	2.1	5300	20	M	-1.0	45	3	M	0.5	0.063
3436	JO126	35.6485	78.2787	M	M	4.1	6	101	24500	30	12300	330	900	6.4	9600	70	3.3	M	14	2	3.0	0.5	
3437	JO127	35.6244	78.2367	7.2	120	1.4	3	25	11200	-94	17800	250	1500	3.2	6500	30	M	M	3	1	M	-0.6	
3438	JO128	35.6035	78.2181	6.8	80	2.3	9	32	13600	-20	9200	300	1000	3.3	6500	30	M	-1.0	11	2	2.8	0.4	
3439	JO129	35.5844	78.2250	7.0	91	2.2	8	21	13000	50	12100	340	300	2.1	13600	20	3.8	M	15	2	M	0.2	
3440	JO130	35.5813	78.1458	M	M	4.7	10	90	18300	70	12000	240	300	7.4	9900	40	2.1	M	20	3	5.6	0.5	
3441	JO131	35.6493	78.2258	M	M	2.7	M	28	23200	M	M	170	1100	3.8	4500	40	4.3	M	M	3	M	M	
3442	JO132	35.7556	78.2502	M	M	1.9	3	29	12300	-20	10100	690	400	3.3	5200	20	M	-1.0	4	1	2.7	0.3	
3443	JO133	35.6871	78.2818	7.4	115	4.0	15	31	29800	48	12900	640	3600	2.6	9200	40	2.8	-1.0	14	1	M	M	
3444	JO134	35.7160	78.2868	7.1	118	4.5	12	42	26200	50	8300	180	1800	2.2	7500	20	3.2	M	19	2	1.9	0.3	
3445	JO135	35.7522	78.2871	7.4	59	3.9	9	21	31800	-61	9600	280	4700	2.0	3000	10	M	M	17	2	M	-0.4	
3446	JO136	35.7344	78.2726	7.3	58	7.6	81	43	39400	251	6200	380	6900	2.3	5700	30	4.2	M	118	13	M	-0.3	
3447	JO137	35.7152	78.2548	M	M	1.4	-2	8	14400	-56	7500	210	500	2.1	3400	20	M	M	7	1	M	-0.3	
3448	JO138	35.6950	78.2147	7.1	109	2.6	M	8	71900	M	M	370	600	14.2	7700	180	M	M	M	M	M	M	
3449	JO139	35.6536	78.1869	M	M	5.8	7	107	11900	40	9200	240	200	3.7	17000	40	2.3	-1.1	22	2	4.6	0.7	
3450	JO140	35.6293	78.1561	M	M	3.2	6	51	20100	28	12700	140	300	3.5	11000	40	M	-1.0	12	2	2.8	0.5	
3451	JO141	35.6008	78.1282	M	M	2.8	-1	47	17400	34	18400	280	300	4.3	16200	40	2.7	-1.0	14	2	3.7	M	
3452	JO142	35.6425	78.1334	M	M	3.2	8	58	19600	24	12600	90	200	3.3	10000	40	M	-1.6	12	2	3.0	0.2	0.064
3453	JO143	35.6613	78.1428	6.9	94	3.3	10	37	33300	31	13900	200	700	3.3	8500	40	M	M	21	2	3.7	0.4	
3468	LE015	35.5191	78.9980	7.5	70	2.0	8	15	18100	39	15500	1040	4100	6.2	7200	40	6.8	-1.0	16	3	2.4	0.3	
4211	NA001	35.7779	78.1342	7.0	118	4.6	9	102	12300	47	12500	390	M	2.8	14800	40	2.5	M	21	2	M	0.5	
4212	NA002	35.7542	78.1659	6.9	68	1.7	11	31	14400	-20	9500	260	1000	6.1	5000	30	3.5	M	6	1	M	0.4	
4213	NA003	35.7762	78.2008	7.0	161	1.3	5	17	16300	14	15900	290	1300	5.8	4400	40	M	0.6	5	2	M	0.4	
4214	NA004	35.7710	78.2043	6.8	80	3.0	7	70	11100	-20	7900	440	900	4.2	8200	40	M	-1.1	11	2	3.6	0.6	
4215	NA005	35.7740	78.1607	6.2	58	2.8	8	8	61100	30	26000	440	2200	14.1	6000	100	4.3	2.0	12	2	2.4	0.5	
4216	NA006	35.7808	78.1449	6.7	91	4.7	7	113	16900	27	16300	430	600	5.9	11400	40	M	-1.4	12	M	M	0.7	
4217	NA007	35.8220	78.1410	6.2	79	3.6	6	69	11700	16	7300	290	900	2.7	12300	30	3.9	-1.6	8	2	4.5	0.6	2.910
4218	NA008	35.8111	78.2360	6.7	58	2.6	M	33	30500	M	M	360	1300	7.2	M	70	M	M	M	15	M	M	
4219	NA009	35.8050	78.1782	6.5	67	2.4	8	49	13700	-96	13600	400	1400	4.1	8900	40	2.0	-1.8	12	4	M	-0.7	
4220	NA010	35.8544	78.2334	5.8	59	2.5	6	54	10100	47	8900	320	200	2.0	3800	10	M	4.4	22	4	M	0.6	
4221	NA011	35.8750	78.1949	5.9	80	4.1	58	28	14900	181	16100	450	700	4.3	6400	20	3.2	M	92	10	2.3	-0.2	
4222	NA012	35.8721	78.2051	6.3	51	12.6	28	342	9900	87	10200	510	600	4.3	9600	30	M	-1.6	49	4	7.1	1.8	
4223	NA013	35.8604	78.1967	6.5	52	3.4	4	75	11200	33	10900	M	1700	2.1	6200	40	M	1.4	7	1	M	0.4	

RALEIGH 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
4224	NA014	35.8323	78.1847	6.6	54	4.0	9	105	7100	-20	8600	170	400	3.8	8700	20	1.8	-1.0	7	1	5.6	0.6	
4225	NA015	35.8485	78.1757	6.4	67	2.5	11	51	7900	-20	-5000	170	200	2.6	9500	30	1.2	-1.0	M	M	M	M	
4226	NA016	35.8721	78.1625	6.2	85	2.1	7	21	16500	19	10700	360	1100	5.6	5100	50	6.4	-1.0	17	2	2.4	-0.2	
4227	NA017	35.8537	78.1532	6.5	70	1.8	3	38	9900	M	-5000	110	300	3.0	3200	20	1.1	-1.0	3	1	1.8	0.2	
4228	NA018	35.8571	78.1005	6.8	69	3.4	4	88	8700	-27	6500	M	100	1.1	8800	20	1.8	-1.0	10	2	M	0.6	
4229	NA019	35.8445	78.0953	6.6	70	10.2	16	287	17800	29	15200	500	200	4.4	30600	70	5.2	-1.0	20	2	9.1	1.3	
4230	NA020	35.8204	78.0629	6.6	49	1.6	6	40	11500	9	10200	330	100	1.9	16900	40	M	-1.0	7	1	M	0.2	
4231	NA021	35.7940	78.0686	6.4	50	13.5	24	344	21900	57	41200	1750	M	8.1	83600	150	2.0	M	34	4	5.8	1.7	
4232	NA022	35.7950	78.0232	M	M	19.8	32	503	19500	118	36000	1120	100	6.8	45700	90	5.7	3.6	50	6	15.3	2.8	
4234	NA024	35.8296	78.0026	M	M	8.6	63	134	11100	216	21300	570	300	2.8	17300	40	9.1	2.3	112	13	6.3	1.4	
4235	NA025	35.8488	78.0597	6.4	61	5.9	9	119	11500	19	8500	350	300	3.6	15900	40	1.7	-1.4	15	2	2.1	0.8	0.085
4236	NA026	35.9187	78.1698	6.8	52	4.0	8	27	24800	39	15200	320	2400	3.5	5900	30	4.2	-1.0	8	2	3.8	0.4	
4237	NA027	35.9405	78.1479	6.8	58	4.2	9	11	43700	55	20000	320	2100	7.0	3800	40	3.5	-1.0	16	3	4.3	0.5	
4238	NA028	35.9661	78.1560	7.1	50	1.2	3	8	8800	-20	11100	490	1400	3.1	5800	20	1.8	-1.1	6	1	2.4	0.3	
4239	NA029	35.9554	78.1426	7.3	60	6.7	15	69	18500	21	-6100	340	2700	4.9	4400	20	3.2	M	13	2	4.7	0.7	
4240	NA030	35.9586	78.1274	7.4	67	3.5	8	62	25400	27	16500	360	3700	5.9	12000	40	M	1.9	13	3	2.6	0.6	
4241	NA031	35.9929	78.1403	7.2	70	13.7	9	96	43300	-28	13700	260	6000	5.0	1600	30	3.0	3.8	16	3	3.6	0.9	
4255	NA045	35.9920	78.0808	7.3	61	6.5	8	56	48300	-20	7700	300	10200	5.6	3900	40	2.5	-1.0	11	M	2.5	1.3	
4256	NA046	35.9753	78.0524	M	M	2.3	-1	47	15600	16	8800	300	2500	19.8	12000	70	2.3	-1.0	12	1	3.4	0.4	
4257	NA047	35.9527	78.0898	6.3	102	2.4	6	35	15100	-20	9500	290	3300	2.6	6800	20	5.4	-1.0	7	M	2.1	-0.2	
4258	NA048	35.9246	78.0482	6.5	125	8.2	16	260	28100	82	22800	480	3100	27.7	16400	110	5.7	1.3	19	4	6.4	1.3	0.354
4259	NA049	35.9148	78.0477	M	M	2.4	-3	65	25800	-20	25900	820	3200	25.9	10800	140	3.5	0.7	16	2	4.2	-0.2	
4260	NA050	35.8961	78.0443	6.1	88	3.2	21	38	15400	94	10200	170	3400	3.6	6500	30	2.6	-1.0	36	5	5.3	-0.2	
4261	NA051	35.9537	78.0137	6.2	161	6.5	14	207	20600	43	19200	550	3800	18.2	22200	110	3.2	1.8	16	3	4.9	0.7	
4310	NA100	35.9395	78.0004	M	M	8.2	17	194	22500	57	33500	670	1000	16.8	26800	110	M	-1.0	20	3	5.9	1.3	
4450	OR002	35.9957	78.9938	7.1	185	1.9	-2	13	29900	-20	13700	620	M	5.3	4700	50	M	-1.0	24	M	M	0.5	
4492	OR044	35.9774	78.9990	7.5	65	2.9	6	17	47800	28	47900	1510	12000	13.9	15700	160	M	-1.0	M	M	M	-0.3	
6052	WA001	35.8246	78.7293	6.9	119	1.2	2	17	26900	-20	26400	450	3600	2.8	7600	60	2.2	-1.0	7	2	M	0.3	
6053	WA002	35.8376	78.7785	7.2	140	1.6	4	8	47200	22	32900	980	9600	14.7	10700	160	M	-1.4	13	2	M	0.2	
6054	WA003	35.8438	78.7831	7.4	140	1.9	M	M	40000	M	M	570	10400	M	6400	60	4.7	M	M	M	M	M	
6055	WA004	35.8597	78.8069	6.9	180	1.5	4	9	34500	34	8800	190	12700	3.1	1900	20	M	-1.0	10	1	M	-0.2	
6056	WA005	35.8612	78.8156	M	M	1.9	12	15	32400	-20	10200	180	11500	3.8	1700	20	2.7	M	10	3	M	-1.0	
6057	WA006	35.8848	78.8042	M	M	2.0	7	14	35700	39	9700	220	12500	4.6	M	20	3.7	2.0	16	3	3.0	0.7	
6058	WA007	35.8831	78.7994	M	M	1.4	5	9	37500	43	6300	280	13500	4.2	2000	30	M	-1.4	10	2	2.7	0.2	

RALEIGH 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
6059	WA008	35.9110	78.7751	M	M	2.3	M	18	40700	M	M	420	11500	7.3	3900	60	M	M	M	M	M	M	
6060	WA009	35.9028	78.7627	M	M	1.7	3	20	32400	19	20500	1180	57900	5.8	9000	100	M	-1.0	9	2	4.8	0.5	0.030
6061	WA010	35.8990	78.7573	M	M	4.0	5	106	22500	30	41600	1890	4800	8.0	36000	100	M	-1.4	8	3	5.5	1.3	
6062	WA011	35.8715	78.7202	7.1	132	1.7	5	20	51500	43	36300	1050	16000	13.1	17600	120	1.9	M	20	4	M	-0.2	
6063	WA012	35.8422	78.6841	7.5	198	1.7	2	8	27900	43	21100	390	4700	4.1	5200	50	M	-1.0	10	2	M	M	
6064	WA013	35.8619	78.6937	7.8	80	1.5	6	6	36900	28	18300	280	2000	6.2	3700	40	3.2	-1.0	11	3	M	0.4	
6065	WA014	35.8896	78.6930	7.5	62	1.4	3	28	18500	28	34900	1460	3200	4.3	23400	90	M	-1.0	14	3	3.4	0.5	
6066	WA015	35.9155	78.7076	7.4	76	2.5	-2	91	25000	28	27700	1850	6000	11.3	21400	90	M	M	16	4	3.5	0.8	
6067	WA016	35.9212	78.6992	7.2	95	1.9	5	25	49100	37	41300	1740	11000	13.6	11700	100	3.5	M	16	4	M	0.8	
6068	WA017	35.9501	78.7010	8.2	92	1.8	5	12	51700	46	40600	640	3200	12.8	9500	90	4.4	M	11	3	M	0.3	0.180
6069	WA018	35.9332	78.6648	7.6	70	1.8	2	29	34700	-20	52500	1430	5300	11.1	19600	170	1.8	-1.0	14	4	M	0.6	
6070	WA019	35.9311	78.6623	7.2	35	1.1	-1	8	19400	11	18600	340	2300	4.3	6000	50	5.0	-1.0	11	2	1.8	-0.2	
6071	WA020	35.9282	78.6824	7.3	82	2.1	4	28	39000	52	48900	1860	11100	12.8	28500	210	1.8	-1.1	19	6	3.4	0.6	
6072	WA021	35.8087	78.7801	8.0	98	0.7	-1	3	29400	-20	47200	2480	7200	9.0	30100	180	6.5	M	7	2	2.0	0.2	
6073	WA022	35.8324	78.8152	M	M	1.7	-2	7	40200	-20	21400	440	12400	11.1	2600	50	3.3	M	14	3	3.4	0.3	
6074	WA023	35.8204	78.8227	7.9	245	2.0	20	12	43100	116	25000	760	7400	15.5	6000	100	3.2	-1.0	42	4	2.1	0.7	
6075	WA024	35.8168	78.8470	M	M	2.0	14	11	29700	59	8500	230	4800	4.1	2600	20	3.1	-1.0	30	3	M	0.2	
6076	WA025	35.8539	78.8913	M	M	2.4	15	9	52300	42	22100	760	15200	9.2	4400	90	5.9	-1.0	23	3	3.5	0.3	
6077	WA026	35.8207	78.9144	M	M	2.4	17	13	46800	76	15300	480	10300	8.4	4300	50	M	-1.2	31	5	2.3	0.4	
6078	WA027	35.7798	78.8698	M	M	2.8	26	12	36800	96	-5000	320	5700	4.4	4300	30	4.2	-1.8	43	5	3.3	M	
6079	WA028	35.7905	78.8305	M	M	1.5	M	3	59500	M	M	1810	11700	17.1	5100	150	M	M	M	M	M	M	
6080	WA029	35.7926	78.8385	M	M	3.1	47	16	46300	192	24200	690	9500	7.8	5700	80	3.3	4.5	87	9	M	0.4	
6081	WA030	35.7824	78.8978	M	M	2.3	13	12	38900	60	11500	280	7700	4.7	3900	40	3.6	M	33	3	M	-0.2	
6082	WA031	35.7763	78.8998	7.4	90	3.1	26	11	43900	91	9100	310	8800	6.8	3900	40	4.7	3.5	51	6	M	0.3	
6083	WA032	35.7789	78.9096	M	M	2.1	10	M	37700	41	-5000	230	9300	3.4	3400	30	4.4	-1.0	29	3	M	0.2	
6084	WA033	35.7612	78.9188	M	M	2.7	22	11	38500	104	9500	M	8500	5.0	M	40	M	-1.9	47	4	M	-0.2	
6085	WA034	35.7380	78.8826	7.4	70	6.7	M	M	M	M	M	200	3600	0.2	M	20	7.5	M	M	M	M	M	
6086	WA035	35.7243	78.9030	M	M	2.1	12	7	35500	41	6900	M	3800	2.4	M	20	2.1	-1.3	27	3	M	M	
6087	WA036	35.7304	78.9318	M	M	2.4	12	M	36800	85	10500	260	7900	2.7	4000	30	2.3	M	33	5	M	0.3	
6088	WA037	35.7182	78.9478	M	M	3.5	28	13	36700	98	10400	330	5500	5.3	3100	30	2.7	-2.0	59	5	M	0.2	
6089	WA038	35.6907	78.9383	M	M	1.5	17	5	26300	69	6400	170	4800	3.3	2600	20	1.6	-1.1	27	4	M	-0.2	
6090	WA039	35.6177	78.9707	M	M	2.4	14	11	40000	51	23700	650	13100	6.0	7600	60	8.3	-1.2	29	3	2.5	0.3	
6091	WA040	35.6280	78.9463	7.4	62	1.8	M	9	30300	M	M	260	5800	4.3	4300	40	M	M	M	4	M	M	
6092	WA041	35.6447	78.9293	M	M	2.4	15	5	40300	93	19200	280	5300	5.0	4000	40	4.0	M	37	5	M	0.2	

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6093	WA042	35.6447	78.9222	M	M	1.3	6	5	28200	37	8500	210	5900	3.8	4600	20	2.7	-1.0	17	2	M	-0.2	
6094	WA043	35.7430	78.7635	7.3	62	0.7	4	6	15700	-20	34500	980	2100	3.6	13100	50	M	1.4	3	1	1.1	M	
6095	WA044	35.7249	78.7786	7.3	98	1.0	M	5	19300	M	M	840	4400	3.8	10200	50	M	M	M	M	M	M	
6096	WA045	35.7192	78.7527	7.3	180	1.1	7	11	17700	-55	59500	2950	3900	6.8	39700	110	8.7	M	13	2	M	0.5	
6097	WA046	35.7000	78.7678	7.3	62	1.0	4	3	18400	-22	49600	2310	2500	6.3	29400	60	M	-1.0	6	2	1.5	0.3	
6098	WA047	35.6605	78.8049	7.6	700	1.7	7	15	15200	35	17200	1060	5300	5.5	12700	40	M	-1.0	14	2	M	0.3	
6099	WA048	35.6780	78.8749	M	M	1.7	8	6	31000	-20	13400	250	3900	4.1	3600	30	2.6	-1.0	17	3	M	-0.2	
6100	WA049	35.6818	78.8845	7.4	58	2.0	15	11	27300	52	10400	210	4400	3.3	4200	20	2.0	-1.0	31	3	M	0.2	
6101	WA050	35.6556	78.8904	7.3	60	1.7	10	5	28800	79	23200	410	6200	8.8	9800	40	3.5	-1.5	24	3	2.5	0.3	
6102	WA051	35.6229	78.9161	7.3	62	1.7	10	6	32000	-46	15300	390	7100	6.2	5100	40	2.4	-1.0	17	3	M	0.9	
6103	WA052	35.6130	78.9046	7.3	93	2.2	5	11	21200	43	15000	M	6300	6.2	M	30	M	-1.0	13	2	3.9	0.4	
6104	WA053	35.5899	78.9154	7.3	61	1.3	5	10	18500	-20	10900	M	6800	2.5	6700	30	M	M	8	2	M	0.4	
6105	WA054	35.5981	78.8703	7.6	50	3.1	7	25	24200	33	12500	360	5300	2.1	3500	10	3.8	-1.0	16	2	5.3	0.7	
6106	WA055	35.5624	78.8058	M	M	2.1	5	14	18400	61	5900	100	3200	1.3	2100	10	2.5	-1.0	10	2	M	0.7	0.041
6107	WA056	35.5677	78.7229	6.9	45	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6108	WA057	35.5332	78.7268	7.0	112	7.4	31	59	10700	125	6200	280	400	1.9	7500	30	7.7	M	62	16	5.5	0.8	
6109	WA058	35.5267	78.7044	7.2	125	6.6	M	45	9000	M	M	210	200	2.2	6500	20	5.8	M	M	13	M	M	
6110	WA059	35.6063	78.7751	7.2	78	8.0	30	74	8100	136	11800	760	600	3.3	15500	40	6.3	-1.5	61	19	4.7	0.7	
6111	WA060	35.6210	78.8186	7.2	30	3.9	17	36	10800	64	-5000	490	3700	2.6	7300	20	6.6	M	36	12	M	0.9	
6112	WA061	35.6619	78.7701	7.2	60	1.0	-1	6	11600	-20	33000	2860	2700	4.8	36700	90	M	0.7	6	M	M	M	
6113	WA062	35.6456	78.7399	6.4	55	1.6	2	17	18400	15	10600	M	M	4.1	5300	50	2.4	-1.0	9	2	M	0.3	
6114	WA063	35.6412	78.7437	6.7	151	1.7	7	12	21900	-33	21500	1600	4400	2.4	7000	30	M	3.7	13	2	M	0.4	
6115	WA064	35.6118	78.7266	6.6	68	2.8	9	35	9500	49	11300	M	400	2.9	2900	20	M	-1.0	21	3	3.0	0.5	
6116	WA065	35.6083	78.6880	7.4	136	4.4	10	82	24600	54	55100	1070	3400	9.3	24300	270	4.5	-1.1	23	3	2.4	0.5	
6117	WA066	35.6201	78.6829	7.6	70	3.1	6	49	22400	32	20300	380	3100	8.4	9000	110	2.3	-1.0	16	2	2.7	0.6	
6118	WA067	35.6159	78.6485	7.4	51	2.0	3	35	12000	-20	6000	120	1000	4.8	4100	20	2.7	-1.0	7	1	1.2	0.3	
6119	WA068	35.5944	78.6362	7.2	65	2.8	-2	43	18800	-20	14200	220	2200	4.8	5000	30	3.5	-1.1	8	2	2.7	0.4	
6120	WA069	35.5887	78.6360	7.2	55	4.0	-2	89	18900	-25	7500	240	1400	8.1	5200	30	2.4	4.4	10	3	M	0.7	
6121	WA070	35.5849	78.6568	7.4	128	2.6	5	38	13400	30	14400	420	1400	4.2	6700	40	M	M	13	3	1.8	0.4	
6122	WA071	35.5664	78.6756	7.2	68	2.4	M	27	10400	M	M	230	1100	M	M	30	M	M	M	M	M	M	
6123	WA072	35.6808	78.6539	7.3	73	1.4	2	7	26300	14	24600	680	3000	8.4	8800	60	M	-1.0	7	2	M	0.3	
6124	WA073	35.6625	78.5996	7.3	70	4.1	15	27	43100	27	10600	440	5500	3.4	4700	30	M	-1.5	17	2	M	0.2	
6125	WA074	35.6705	78.5494	7.2	78	2.2	10	11	42300	-20	9400	180	6100	1.7	3000	10	M	M	12	1	M	-0.2	
6126	WA075	35.7404	78.5693	7.5	190	3.1	6	7	73400	-29	-5000	480	15300	1.5	5100	20	M	-1.1	9	1	M	-0.2	

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6127	WA076	35.7498	78.5354	7.5	185	5.9	20	32	37000	32	24600	740	7100	12.5	9800	70	M	-1.0	11	2	3.3	0.7	0.030
6128	WA077	35.7472	78.4922	7.4	72	8.7	78	22	49700	186	31100	710	7000	4.6	8400	60	5.0	M	110	10	2.4	0.2	
6129	WA078	35.7309	78.4780	7.4	62	7.5	64	M	49700	119	16000	640	9000	3.2	6600	30	3.7	M	74	6	M	0.3	
6130	WA079	35.7271	78.5137	7.5	180	3.7	16	7	53400	48	20800	M	13500	5.8	4900	80	4.9	3.9	15	2	M	0.2	
6131	WA080	35.7196	78.5268	7.5	65	3.8	27	10	57200	76	10500	270	13000	1.4	3600	20	M	-1.5	42	4	M	0.2	
6132	WA081	35.7531	78.4127	7.4	65	6.0	10	21	69900	41	7300	290	15000	2.3	4000	20	M	M	16	2	M	-0.2	
6133	WA082	35.8394	78.5416	7.9	68	12.9	M	M	62900	M	M	350	15900	M	4600	20	11.7	M	M	45	M	M	
6134	WA083	35.8549	78.4771	7.2	52	4.5	45	9	75000	142	10200	320	17300	1.2	2400	10	M	-1.0	80	6	M	0.2	
6135	WA084	35.8175	78.5014	6.6	65	4.1	42	M	70500	83	13300	740	16600	1.8	2800	20	M	-1.8	65	5	M	M	
6136	WA085	35.7472	78.4670	6.6	60	4.4	25	13	59000	62	-5000	430	12300	2.4	5700	30	M	M	25	2	M	-0.2	0.029
6137	WA086	35.7741	78.3843	6.5	60	8.9	195	16	69400	638	7500	330	20300	1.2	4700	M	8.1	M	315	30	M	0.4	
6138	WA087	35.8045	78.3756	6.8	50	6.8	60	30	58500	140	17700	470	9500	2.4	6800	40	M	5.5	74	9	M	0.4	
6139	WA088	35.8369	78.3609	6.8	50	5.2	79	5	80700	207	-5400	520	24700	2.4	4200	30	1.8	3.1	124	13	M	M	
6140	WA089	35.8571	78.3676	7.0	50	6.6	135	8	73000	307	14800	530	23500	2.3	4400	50	2.4	4.0	190	26	4.8	0.4	
6141	WA090	35.8487	78.3749	6.8	52	4.0	48	5	84800	119	-5000	380	31700	1.0	3900	10	1.3	-1.6	66	6	M	-0.2	
6142	WA091	35.8423	78.3786	7.0	45	7.7	154	11	70300	352	7200	360	20100	1.8	4300	20	3.3	M	261	28	3.1	-0.2	0.098
6143	WA092	35.9329	78.4113	6.8	60	8.6	34	11	102300	130	22400	710	8400	4.4	5000	60	3.8	2.8	68	7	2.2	0.4	
6144	WA093	35.9155	78.3900	7.4	60	3.2	19	11	100100	25	11600	240	33700	1.5	M	20	M	-1.6	30	3	M	0.5	
6145	WA094	35.9091	78.3770	6.5	60	4.7	54	10	84700	91	16300	480	19500	2.5	7400	60	M	4.4	62	7	M	0.5	
6146	WA095	35.8983	78.3324	6.8	50	10.8	133	9	101300	370	38500	640	13600	5.7	6000	50	M	-1.0	252	28	2.6	0.6	
6147	WA096	35.8654	78.2977	6.7	52	9.9	133	26	58900	330	20200	460	12800	3.3	5200	40	9.5	3.9	230	20	8.4	0.5	
6148	WA097	35.8698	78.2826	6.6	70	10.3	89	12	86600	318	22800	490	11200	4.9	600	30	6.7	-1.0	178	22	4.8	-0.2	
6149	WA098	35.8391	78.2719	6.8	78	4.3	51	19	30800	150	8600	210	9300	2.9	2300	20	3.9	2.9	102	8	2.2	0.4	
6150	WA099	35.8112	78.2694	6.7	270	1.6	13	17	17300	-20	6400	240	4600	3.9	3400	10	1.6	-1.9	27	3	2.5	0.3	
6151	WA100	35.7815	78.3271	7.0	60	7.1	22	15	102200	81	13000	1040	20700	3.0	4200	50	M	-1.7	48	4	3.6	0.5	
6152	WA101	35.8796	78.5474	7.6	81	4.3	40	17	45000	129	23100	730	12300	8.6	5500	70	4.8	-1.0	57	9	3.7	0.3	
6153	WA102	35.8877	78.5623	7.3	72	6.2	19	25	64700	59	38900	900	16700	16.5	8800	150	7.1	3.3	35	7	8.8	1.0	
6154	WA103	35.9120	78.6234	7.5	41	1.1	3	6	19500	-20	26300	330	4900	5.5	5500	60	2.7	0.9	19	3	3.5	0.6	
6155	WA104	35.9297	78.6064	7.4	58	1.7	4	9	22800	-20	57100	630	5800	11.4	13900	180	5.3	-1.0	14	3	2.2	0.3	
6156	WA105	35.9241	78.6032	12.2	1150	3.6	7	14	47100	54	77500	810	9200	14.6	8100	170	5.6	2.6	22	5	6.1	1.1	
6157	WA106	35.9189	78.5336	7.7	111	15.6	210	50	51800	606	60600	1040	16700	8.7	15200	220	18.6	M	343	50	8.1	1.2	0.043
6158	WA107	35.9063	78.5249	7.7	49	4.7	105	5	74800	280	-5000	270	21300	1.1	1700	10	2.2	-1.9	187	21	2.2	-0.2	
6159	WA108	35.9152	78.5057	6.5	60	4.4	109	4	66600	295	10400	220	22100	1.3	3300	20	4.3	M	162	19	2.4	M	
6160	WA109	35.9377	78.5052	7.4	61	4.9	88	12	80100	176	11400	300	27400	2.0	4300	30	1.8	3.9	117	12	1.7	0.4	

RALEIGH 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
6161	WA110	35.9498	78.5073	7.3	102	12.7	102	108	48600	292	50600	1050	13700	9.4	14700	160	13.0	M	163	28	9.8	M	
6162	WA111	35.9381	78.4833	7.3	70	7.2	236	13	72600	584	33800	380	22400	3.1	6000	60	6.9	M	285	36	5.9	M	0.040
6163	WA112	35.9349	78.4798	7.3	46	15.6	419	6	80600	1017	21300	320	35200	4.1	4600	50	17.2	M	582	70	10.0	1.3	
6164	WA113	35.9622	78.4849	7.2	80	5.4	78	38	74200	249	20400	550	17300	2.9	6200	50	2.7	-1.4	131	12	5.2	-0.2	
6165	WA114	35.9668	78.4890	7.2	100	4.7	14	32	81600	36	28200	720	22600	7.6	5000	80	1.9	M	25	4	1.7	0.4	
6166	WA115	35.9790	78.5231	7.6	83	4.5	12	27	58500	-20	62500	1310	17800	12.5	10900	220	2.4	1.3	31	5	M	0.8	0.041
6167	WA116	35.9951	78.5354	7.6	61	2.0	-2	7	45500	28	33500	700	12600	9.9	7200	90	5.4	M	11	3	3.2	0.7	
6176	WA125	35.9785	78.6774	7.8	77	2.0	-2	80	52700	63	168000	5520	14800	18.6	66400	430	4.9	-1.0	26	6	5.4	0.8	
6178	WA127	35.9726	78.6532	7.7	72	2.2	10	34	41500	69	133600	2280	10000	23.2	36300	380	3.9	4.0	28	7	3.4	0.8	
6179	WA128	35.9584	78.6429	7.7	72	2.6	9	71	33700	-20	146600	2230	7700	27.3	41200	540	4.1	5.2	21	5	3.8	0.4	
6180	WA129	35.9637	78.5996	7.7	67	2.7	10	15	29000	68	78800	1230	8500	12.6	19000	230	5.7	-1.0	22	5	3.0	1.2	
6181	WI001	35.6206	78.1266	7.6	265	2.9	9	70	14200	-20	11000	440	9400	5.9	23500	60	2.1	-1.0	19	3	4.2	-0.2	
6182	WI002	35.6353	78.1018	M	M	11.5	30	347	24600	67	25300	820	M	12.7	40400	80	3.7	1.5	37	4	4.6	1.6	
6183	WI003	35.6079	78.0559	M	M	6.4	18	185	13200	62	21400	690	M	5.3	28100	60	1.7	-1.0	21	5	6.4	0.7	
6184	WI004	35.5975	78.0129	M	M	3.0	6	23	14100	27	-5000	70	9300	4.8	6200	30	2.8	-1.0	14	1	3.7	0.9	
6193	WI013	35.6849	78.1329	6.4	60	2.8	4	18	26800	34	12600	60	2400	3.2	M	M	3.4	-1.0	10	1	3.7	0.3	
6196	WI016	35.6425	78.0283	M	M	4.8	M	58	20600	M	M	410	400	0.4	13500	70	M	M	M	M	M	M	
6197	WI017	35.6355	78.0600	M	M	6.5	15	138	25000	42	17000	430	1500	4.6	20800	60	5.3	2.6	19	4	5.0	0.9	
6198	WI018	35.6559	78.0612	M	M	11.4	19	273	18900	53	28100	1100	1000	6.5	42800	80	M	-1.2	32	3	8.5	1.4	
6199	WI019	35.6614	78.0130	M	M	6.3	17	103	17600	25	15600	290	300	5.4	17200	50	4.4	M	28	3	3.4	0.9	
6234	WI054	35.7791	78.0174	5.7	110	17.0	38	384	31800	119	72600	3780	200	12.2	M	290	9.0	-1.0	60	7	13.6	2.6	
6235	WI055	35.7808	78.0526	5.2	89	12.7	28	293	15000	101	29900	1630	300	8.5	71600	130	5.3	2.1	55	7	8.0	1.6	
6236	WI056	35.7741	78.0287	6.9	340	28.1	M	545	16300	M	M	2380	1600	10.2	M	200	22.2	M	M	M	M	M	
6237	WI057	35.7398	78.0763	6.5	58	57.0	105	1475	16800	357	71100	3370	M	20.1	M	230	28.5	M	213	16	39.5	7.9	
6238	WI058	35.7325	78.0979	3.6	60	27.4	M	488	22400	M	M	2980	700	12.8	87700	200	M	M	M	M	M	M	
6239	WI059	35.7319	78.1680	2.9	61	4.7	25	56	14400	109	10700	220	600	3.3	8500	30	8.0	-1.5	44	6	2.3	0.5	
6240	WI060	35.7195	78.1403	3.7	60	8.0	53	103	21500	168	14100	600	1600	4.1	18000	40	7.0	M	92	9	4.4	0.7	
6241	WI061	35.7047	78.1064	3.2	82	24.5	54	617	23500	179	69200	2760	M	12.2	M	210	10.9	M	98	10	13.1	3.3	
6242	WI062	35.7032	78.0487	4.0	60	3.4	12	54	9900	18	7400	290	800	2.2	17800	40	3.6	-1.0	16	4	3.2	0.5	
6243	WI063	35.7233	78.0190	3.8	58	4.1	8	68	15500	30	15000	130	1800	3.5	11200	40	1.2	-1.0	15	2	4.2	0.8	
6245	WI065	35.6806	78.0612	7.0	121	33.0	67	889	15800	235	26700	1310	500	8.5	61600	120	4.7	M	120	13	22.1	4.1	
6246	WI066	35.6790	78.0999	5.9	92	32.4	68	803	43200	258	75900	2440	1000	19.6	M	230	M	M	124	18	26.8	4.3	
6589	WY013	35.5592	78.0217	M	M	4.4	17	62	20600	65	19700	530	1000	4.6	20700	60	0.2	-1.0	34	4	4.5	0.7	
6590	WY014	35.5784	78.0497	6.5	90	20.8	55	586	15100	135	43200	1430	900	7.2	57000	120	3.5	-1.0	72	11	17.7	4.0	

RALEIGH 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
6591	WY015	35.5494	78.0609	6.9	66	5.5	20	125	13500	66	13200	510	600	3.3	24000	60	4.1	-1.0	39	4	3.0	0.8	
6592	WY016	35.5182	78.0520	6.9	21	4.4	26	62	11000	87	11200	220	400	3.1	9300	30	4.3	-1.4	49	6	5.7	0.6	

RALEIGH 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
651	CH001	35.5657	78.9608	-0.1	0.2	0	17	1.5	300	10	5	3	6000	7	2850	4	-5	-5	600	-10	-1	-5	.	-2	10	15
652	CH002	35.5787	78.9642	-0.1	0.3	0	20	1	200	10	5	2	7000	8	1150	2	-5	-5	900	-10	-1	-5	.	-2	-5	22
653	CH003	35.5702	78.9878	-0.1	0.2	2	25	1	100	7	8	2	8000	8	950	-2	-5	-5	800	-10	-1	-5	.	-2	5	10
672	CH022	35.6915	78.9940	-0.1	0.2		40	1	200	5	5	3	20000	10	800	-2	-5	-5	600	-10	-1	-5	.	-2	-5	7
674	CH024	35.7221	78.9802	-0.1	0.1		70	2	500	7	-5	5	22000	14	2150	4	-5	-5	600	12	-1	-5	.	2	10	20
676	CH026	35.7598	78.9695	-0.1	0.2	6	142	2	400	10	-5	4	25000	10	1150	2	-5	-5	500	10	-1	-5	.	-2	-5	17
677	CH027	35.7764	78.9512	-0.1	0.2	7	92	1.5	400	15	5	5	20000	14	1500	4	-5	-5	500	-10	-1	-5	.	-2	5	27
678	CH028	35.8022	78.9645	-0.1	0.2	2	90	1.5	300	5	7	3	21000	9	750	2	5	-5	900	-10	-1	-5	.	-2	10	10
679	CH029	35.8201	78.9442	-0.1	0.2	9	127	2	700	7	-5	4	26000	13	2200	4	-5	-5	700	-10	-1	-5	.	2	-5	27
680	CH030	35.8300	78.9307	-0.1	0.4	3	80	1.5	300	7	5	4	23000	11	1600	7	-5	-5	600	-10	2	-5	.	2	-5	12
681	CH031	35.8522	78.9722	-0.1	0.2	1	20	1	400	7	-5	3	6000	9	1400	2	-5	-5	600	-10	-1	-5	.	-2	10	10
1499	FR001	35.9604	78.4067	1.0	0.5	4	72	2	100	-5	6	8	36000	23	1100	-2	10	-5	1200	17	1	5	.	-2	5	40
1500	FR002	35.9537	78.3885	0.9	0.5	10	350	1.5	100	-5	-5	4	33000	8	1700	3	10	-5	900	17	1	-5	.	-2	5	15
1501	FR003	35.9337	78.3437	16.2	0.4	4	392	2	100	-5	-5	4	37000	12	250	-2	5	-5	2100	85	1	-5	.	-2	40	17
1502	FR004	35.9441	78.3217	8.9	0.3	2	65	2	100	-5	5	3	41000	11	450	-2	20	-5	1400	15	1	5	.	-2	20	12
1503	FR005	35.9050	78.3168	11.1	0.2	2	312	2	100	-5	5	6	19000	11	-200	-2	10	5	2200	90	1	-5	.	-2	100	22
1504	FR006	35.8711	78.2782	0.1	0.2		122	2	300	-5	5	9	19000	20	1250	2	10	5	800	37	-1	-5	.	-2	-5	47
1505	FR007	35.8652	78.2282	0.3	0.1	0	7	0.5	-100	-5	-5	5	3000	8	950	2	10	7	800	-10	-1	-5	.	-2	-5	15
1506	FR008	35.9070	78.2224	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
1507	FR009	35.9275	78.2587	2.0	-0.1	2	197	3	200	-5	-5	7	25000	23	300	5	20	-5	1000	12	-1	5	.	-2	-5	30
1508	FR010	35.9658	78.2903	2.2	-0.1	1	175	2.5	200	-5	5	4	20000	12	200	-2	25	5	1200	10	-1	-5	.	2	40	12
1509	FR011	35.9866	78.2423	1.6	-0.1	0	60	2	200	-5	-5	6	26000	17	1400	2	30	-5	1100	20	1	5	.	-2	-5	22
1510	FR012	35.9977	78.3116	3.1	-0.1	1	267	2.5	100	-5	-5	8	26000	15	1100	2	25	5	1300	20	2	-5	.	-2	125	22
1516	FR018	35.9866	78.4163	0.7	0.1	0	282	1.5	300	-5	5	12	18000	6	400	4	15	7	1100	17	-1	10	.	-2	-5	32
1534	FR036	35.9935	78.1546	0.3	-0.1	2	417	2.5	400	-5	5	7	14000	7	800	3	10	7	1000	17	-1	5	.	-2	5	17
2021	HR084	35.5374	78.9467	0.3	0.1	1	47	1	200	20	5	3	4000	-5	1100	-2	15	-5	800	-10	-1	10	.	-2	-5	17
2022	HR085	35.5138	78.9202	0.2	0.1	0	10	1	-100	7	-5	-2	15000	-5	1450	-2	5	-5	700	-10	-1	10	.	-2	-5	10
2023	HR086	35.5294	78.8751	0.6	0.2	0	25	1	100	10	-5	2	7000	5	500	-2	-5	-5	700	-10	1	10	.	-2	-5	7
2024	HR087	35.5317	78.8409	0.2	-0.1	0	15	1	100	12	5	2	4000	5	650	-2	-5	-5	800	-10	-1	-5	.	-2	15	10
2025	HR088	35.5115	78.8177	0.3	0.1	0	30	1.5	100	17	-5	5	5000	18	1100	-2	5	5	700	-10	-1	10	.	.	5	22
2027	HR090	35.5047	78.7736	0.3	0.1	0	52	0.5	-100	10	6	4	3000	9	1150	-2	5	-5	600	-10	-1	-5	.	-2	-5	10
2138	JO005	35.5077	78.6528	0.3	-0.1	0	72	-0.5	-100	12	10	2	2000	6	350	-2	5	-5	700	-10	-1	-5	.	-2	-5	12
2139	JO006	35.5315	78.6922	0.5	0.2	0	17	0.5	-100	15	8	2	1000	6	250	-2	10	-5	700	-10	2	15	.	-2	-5	7
2140	JO007	35.5552	78.6807	0.3	0.3	0	17	0.5	100	15	5	2	2000	10	1250	-2	5	5	800	-10	1	10	.	-2	5	15

RALEIGH 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
2141	J0008	35.5236	78.6404	0.3	0.2	0	15	0.5	-100	10	5	-2	1000	5	400	-2	5	10	800	-10	-1	-5	.	-2	-5	5
2142	J0009	35.5217	78.6199	0.3	0.2	0	17	0.5	-100	12	5	-2	2000	6	350	-2	-5	-5	800	12	-1	25	.	-2	-5	10
2143	J0010	35.5065	78.6065	0.7	0.2	0	10	1	-100	12	5	2	1000	7	250	-2	-5	-5	700	10	-1	5	.	-2	5	10
2144	J0011	35.5070	78.5746	0.3	0.2	1	12	1	100	20	6	3	1000	7	1350	-2	5	-5	700	12	1	10	.	-2	-5	15
2153	J0020	35.7436	78.2139	1.4	0.2		25	1	100	17	-5	5	2000	16	550	-2	5	-5	600	-10	-1	5	.	-2	-5	7
2170	J0037	35.7153	78.2022	0.1	0.1	0	12	-0.5	100	15	-5	2	2000	6	800	-2	-5	-5	100	-10	-1	-5	.	-2	-5	12
2171	J0038	35.5062	78.5208	0.1	-0.1	0	10	-0.5	-100	7	6	2	1000	5	-200	-2	10	-5	800	-10	-1	10	.	-2	-5	5
2172	J0039	35.5112	78.5453	0.7	-0.1	0	15	0.5	-100	17	5	4	2000	11	450	-2	5	-5	1000	-10	-1	-5	.	-2	-5	22
2173	J0040	35.5386	78.5583	0.1	0.1	0	10	0.5	-100	10	6	2	1000	6	450	-2	10	-5	800	-10	1	-5	.	-2	-5	12
2174	J0041	35.5567	78.5822	0.1	-0.1		7	0.5	100	12	5	3	1000	5	450	-2	5	5	800	-10	-1	-5	.	2	-5	7
2175	J0042	35.5686	78.6075	0.1	-0.1	0	12	-0.5	-100	7	8	-2	1000	5	900	-2	5	-5	800	-10	-1	-5	.	-2	10	-5
2176	J0043	35.5809	78.6549	0.2	-0.1	0	10	0.5	100	12	5	3	3000	5	1150	-2	5	-5	700	-10	-1	-5	.	-2	5	15
2177	J0044	35.6044	78.6017	1.4	0.1	0	5	-0.5	-100	10	6	-2	2000	5	200	-2	10	-5	600	-10	-1	5	.	-2	-5	-5
2178	J0045	35.7070	78.1867	0.3	0.1	0	5	0.5	-100	12	-5	2	2000	6	1300	-2	5	-5	700	-10	-1	-5	.	-2	-5	7
2179	J0046	35.5623	78.5337	0.1	0.1		12	-0.5	-100	10	.	-2	1000	-5	200	.	.	-5	.	-10		-5	.	.	.	-5
2180	J0047	35.5440	78.5115	0.1	-0.1	0	7	-0.5	100	12	11	2	1000	5	850	-2	-5	-5	400	-10	-1	-5	.	-2	-5	5
2181	J0048	35.5265	78.4832	1.6	-0.1	0	37	1.5	-100	27	6	4	6000	23	1650	-2	20	5	1400	10	-1	15	.	-2	5	15
2182	J0049	35.5061	78.4717	0.1	-0.1	0	10	-0.5	-100	12	-5	-2	1000	6	750	-2	-5	-5	800	-10	-1	20	.	-2	-5	10
2185	J0052	35.5363	78.4468	0.1	-0.1	0	10	0.5	-100	7	5	-2	2000	8	600	-2	10	-5	500	-10	-1	-5	.	-2	-5	-5
2186	J0053	35.5580	78.4836	0.3	-0.1	0	55	-0.5	-100	5	15	-2	1000	5	250	-2	10	-5	500	-10	-1	-5	.	-2	10	5
2187	J0054	35.5824	78.5229	0.9	-0.1	0	12	0.5	100	12	8	2	4000	7	500	-2	20	-5	800	-10	-1	-5	.	-2	-5	5
2188	J0055	35.6195	78.5566	0.1	-0.1	0	287	1	100	10	5	-2	27000	8	250	-2	5	-5	800	-10	-1	-5	.	-2	-5	10
2189	J0056	35.5849	78.4924	0.1	-0.1	0	10	0.5	-100	12	5	-2	2000	5	200	-2	20	-5	600	-10	-1	-5	.	-2	10	-5
2190	J0057	35.5737	78.4648	0.1	0.1	14	10	0.5	-100	12	-5	4	2000	7	350	-2	5	7	600	-10	-1	-5	.	-2	-5	5
2191	J0058	35.5615	78.4028	0.1	0.1	1	10	0.5	-100	10	8	-2	4000	5	900	-2	10	-5	700	-10	-1	-5	.	2	-5	5
2192	J0059	35.5799	78.4306	0.1	-0.1	0	12	-0.5	-100	12	6	2	2000	6	300	-2	20	-5	800	-10	-1	5	.	-2	5	5
2193	J0060	35.6099	78.4711	0.7	0.2		5	-0.5	-100	7	8	3	1000	5	250	-2	-5	-5	600	-10	1	-5	.	-2	-5	5
2194	J0061	35.6199	78.4457	0.3	-0.1	1	-5	0.5	200	10	-5	3	8000	7	2250	-2	-5	-5	500	-10	1	-5	.	-2	-5	15
2195	J0062	35.6385	78.4860	1.0	0.2		10	0.5	-100	5	6	2	6000	7	950	-2	-5	-5	500	-10	1	5	.	-2	10	5
2196	J0063	35.6415	78.5251	0.6	0.3		37	0.5	-100	5	6	2	26000	7	300	-2	5	-5	700	-10	-1	-5	.	-2	-5	5
2197	J0064	35.6552	78.4797	1.0	0.2	0	7	0.5	-100	7	31	3	7000	9	500	-2	10	-5	800	-10	-1	-5	.	-2	-5	7
2198	J0065	35.5907	78.3965	0.3	0.3		47	0.5	-100	12	10	3	2000	10	1500	-2	5	5	700	-10	-1	-5	.	-2	-5	5
2199	J0066	35.5833	78.3650	0.3	0.2	0	17	0.5	-100	5	5	2	3000	5	900	-2	5	-5	800	-10	1	-5	.	-2	-5	10
2200	J0067	35.5658	78.3732	0.6	0.3	1	7	0.5	-100	10	7	3	2000	11	1600	-2	5	-5	500	10	2	5	.	-2	-5	20

RALEIGH 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
2203	J0070	35.6833	78.1825	0.3	0.2		12	-0.5	-100	5	6	-2	1000	5	300	-2	15	-5	600	12	2	10	.	-2	-5	15
2230	J0097	35.5269	78.2527	0.6	0.2	4	10	0.5	-100	5	5	-2	4000	5	750	-2	-5	-5	600	-10	-1	10	.	-2	-5	5
2231	J0098	35.5304	78.2173	1.0	0.2	2	10	0.5	-100	12	5	3	2000	11	1350	2	5	-5	600	-10	1	10	.	-2	15	10
2232	J0099	35.5117	78.1881	0.3	0.2		22	1	-100	7	5	-2	3000	20	800	-2	10	-5	600	-10	-1	10	.	-2	-5	5
2233	J0100	35.5097	78.1688	0.7	-0.1	3	15	0.5	-100	5	-5	3	1000	8	850	-2	5	-5	900	-10	-1	-5	.	-2	-5	5
2234	J0101	35.5320	78.1275	0.7	0.1		10	0.5	-100	10	8	3	1000	11	700	-2	5	-5	700	10	1	5	.	-2	15	7
2235	J0102	35.5155	78.1208	0.8	-0.1	1	20	0.5	-100	7	6	2	2000	7	850	-2	5	-5	700	-10	-1	-5	.	-2	-5	5
2237	J0104	35.5493	78.1091	0.7	-0.1	1	17	0.5	-100	5	10	2	1000	10	350	-2	5	-5	700	12	1	-5	.	-2	-5	-5
2238	J0105	35.5525	78.0590	0.4	0.1	2	7	0.5	-100	7	9	3	2000	8	400	-2	5	-5	700	12	-1	5	.	-2	5	7
2239	J0106	35.5666	78.0538	0.3	-0.1	3	10	-0.5	-100	7	15	3	1000	5	250	-2	5	-5	700	62	-1	-5	.	-2	-5	12
2240	J0107	35.5712	78.1173	0.3	-0.1	1	35	-0.5	-100	7	-5	2	1000	5	250	-2	-5	-5	600	-10	-1	-5	.	-2	-5	5
2241	J0108	35.5467	78.2089	0.8	-0.1	1	22	-0.5	-100	5	6	2	1000	-5	500	-2	5	-5	700	-10	1	-5	.	-2	-5	7
2242	J0109	35.5872	78.3483	0.7	0.1	1	45	0.5	100	10	8	4	2000	7	550	-2	5	5	600	15	-1	-5	.	-2	5	27
2243	J0110	35.6585	78.4386	0.7	0.1	0	17	1	500	22	15	11	2000	9	1950	-2	-5	7	700	-10	-1	-5	.	-2	15	20
2244	J0111	35.6907	78.4755	0.7	-0.1	0	170	1	100	5	15	4	27000	8	450	-2	5	-5	600	-10	-1	-5	.	-2	15	12
2245	J0112	35.6684	78.4124	0.5	0.2	0	15	1	100	10	12	4	6000	8	1350	-2	-5	-5	500	-10	-1	-5	.	-2	5	7
2246	J0113	35.6461	78.3983	0.3	0.1	1	15	0.5	400	12	11	6	3000	9	1600	-2	-5	5	600	-10	-1	-5	.	-2	-5	15
2247	J0114	35.6465	78.3583	0.8	0.1	1	20	0.5	200	10	9	4	2000	7	1000	-2	10	-5	700	10	-1	-5	.	-2	-5	10
2248	J0115	35.5630	78.2957	0.7	0.1	0	30	1	200	17	5	6	9000	15	2550	-2	-5	10	800	15	2	5	.	-2	-5	40
2249	J0116	35.5444	78.2898	0.8	-0.1	2	15	-0.5	100	12	-5	3	3000	6	400	-2	-5	-5	700	15	2	5	.	-2	15	12
2250	J0117	35.5588	78.2370	0.7	-0.1		30	-0.5	-100	12	7	3	1000	10	400	-2	-5	-5	700	12	2	-5	.	-2	5	7
2251	J0118	35.6113	78.2808	0.8	-0.1	1	100	1	200	7	-5	5	17000	8	1400	-2	5	10	800	15	-1	-5	.	-2	5	15
2252	J0119	35.6262	78.3082	0.4	-0.1	0	27	0.5	100	7	-5	2	10000	6	450	-2	-5	-5	700	-10	1	-5	.	-2	-5	5
2253	J0120	35.6544	78.3258	0.7	0.1		12	1	100	10	6	9	6000	10	1950	-2	-5	-5	700	-10	1	-5	.	-2	10	17
2254	J0121	35.6828	78.3564	0.4	-0.1	1	15	0.5	-100	5	9	2	1000	6	200	-2	5	-5	700	-10	-1	-5	.	-2	-5	5
2255	J0122	35.6964	78.4071	0.7	-0.1	0	372	1	100	7	20	3	20000	9	200	-2	5	-5	400	-10	1	-5	.	-2	-5	7
2256	J0123	35.7354	78.3407	0.9	-0.1	0	332	1.5	100	-5	5	5	23000	9	-200	-2	5	-5	700	10	1	-5	.	-2	-5	17
2257	J0124	35.7038	78.3262	0.9	-0.1		35	1	-100	5	-5	2	21000	6	200	-2	5	-5	700	-10	-1	-5	.	-2	5	5
2258	J0125	35.6846	78.3285	0.7	-0.1		57	1	100	5	-5	4	18000	7	200	-2	-5	-5	800	-10	1	-5	.	-2	-5	12
2259	J0126	35.6485	78.2787	0.8	-0.1		10	0.5	100	5	7	4	1000	7	450	-2	5	-5	600	10	1	10	.	-2	10	5
2260	J0127	35.6244	78.2367	0.4	0.1		22	0.5	100	5	5	3	1000	5	500	-2	5	-5	700	-10	1	-5	.	-2	-5	7
2261	J0128	35.6035	78.2181	0.4	0.2	1	7	1	100	10	6	3	1000	7	550	-2	5	-5	900	-10	-1	-5	.	-2	-5	10
2262	J0129	35.5844	78.2250	0.4	-0.1	2	22	1	-100	12	5	5	2000	6	700	-2	-5	5	800	-10	-1	-5	.	-2	-5	15
2263	J0130	35.5813	78.1458	0.3	0.1		25	0.5	-100	5	8	5	1000	9	550	-2	10	-5	700	-10	-1	-5	.	-2	5	12

RALEIGH 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
2264	JO131	35.6493	78.2258	0.8	-0.1	1	22	0.5	100	10	7	10	5000	9	1000	-2	5	-5	700	-10	15	-5	.	-2	-5	37
2265	JO132	35.7556	78.2502	0.8	0.1	1	45	0.5	-100	12	5	3	2000	10	800	-2	5	-5	800	-10	20	-5	.	-2	-5	10
2266	JO133	35.6871	78.2818	0.4	0.1		80	0.5	300	17	84	4	17000	7	800	-2	5	-5	1100	-10	15	-5	.	-2	-5	15
2267	JO134	35.7160	78.2868	0.8	-0.1	1	32	1	100	7	-5	4	16000	8	400	-2	-5	-5	900	15	-1	-5	.	-2	-5	12
2268	JO135	35.7522	78.2871	0.8	-0.1	2	35	1	100	10	-5	3	18000	7	400	-2	-5	-5	1000	-10	2	-5	.	-2	5	7
2269	JO136	35.7344	78.2726	0.7	-0.1	1	102	1	200	10	14	5	12000	9	1000	-2	-5	5	1000	-10	1	-5	.	-2	5	15
2270	JO137	35.7152	78.2548	0.8	0.2	7	25	0.5	-100	12	6	3	3000	9	1300	-2	-5	-5	800	-10	1	-5	.	-2	10	7
2271	JO138	35.6950	78.2147	0.9	0.4		82	1	100	7	7	15	1000	18	1050	-2	5	-5	1000	-10	-1	-5	.	-2	5	15
2272	JO139	35.6536	78.1869	0.7	-0.1	1	15	0.5	-100	-5	14	3	1000	7	500	-2	20	-5	800	20	1	-5	.	-2	15	5
2273	JO140	35.6293	78.1561	15.6	-0.1	2	10	0.5	100	7	5	2	1000	9	600	-2	5	-5	800	-10	-1	10	.	-2	-5	-5
2274	JO141	35.6008	78.1282	12.5	-0.1	2	12	0.5	100	-5	9	2	2000	9	950	-2	5	-5	800	12	1	5	.	-2	10	12
2275	JO142	35.6425	78.1334	15.6	0.1	2	12	0.5	-100	10	6	2	1000	9	450	-2	10	-5	700	-10	-1	-5	.	-2	5	10
2276	JO143	35.6613	78.1428	25.0	0.1	2	15	-0.5	-100	10	5	4	7000	8	500	-2	-5	-5	800	12	1	-5	.	-2	-5	7
2291	LE015	35.5191	78.9980	-0.1	0.1	2	5	0.5	300	12	-5	3	2000	6	2700	-2	-5	-5	800	-10	-1	-5	.	-2	-5	17
2762	NA001	35.7779	78.1342	1.0	-0.1	2	5	-0.5	-100	-5	-5	-2	1000	5	550	-2	15	-5	800	10	-1	-5	.	-2	-5	7
2763	NA002	35.7542	78.1659	1.1	-0.1	2	-5	0.5	-100	-5	-5	2	1000	5	650	2	10	-5	800	-10	-1	-5	.	-2	10	5
2764	NA003	35.7762	78.2008	0.7	0.1	1	-5	0.5	100	-5	-5	4	2000	6	2200	-2	10	7	900	-10	-1	-5	.	-2	10	10
2765	NA004	35.7710	78.2043	0.8	-0.1		5	1.7	200	15	-5	3	3000	17	2100	.	.	22	700	-10	-1	.	.	.	.	7
2766	NA005	35.7740	78.1607	1.7	0.2	2	-5	1.5	200	5	5	7	6000	16	1600	-2	15	5	1000	10	-1	-5	.	-2	-5	25
2767	NA006	35.7808	78.1449	1.1	-0.1	3	-5	0.5	-100	5	5	3	2000	9	1100	-2	20	-5	700	-10	1	-5	.	-2	10	7
2768	NA007	35.8220	78.1410	0.7	0.1		-5	0.5	-100	-5	5	-2	1000	5	350	-2	20	-5	800	-10	-1	-5	.	-2	15	-5
2769	NA008	35.8111	78.2360	2.0	0.1	2	-5	1	-100	5	-5	10	4000	7	1050	-2	15	5	1000	-10	-1	-5	.	-2	-5	17
2770	NA009	35.8050	78.1782	1.1	-0.1	1	-5	0.5	100	-5	-5	4	1000	5	1000	-2	5	7	600	-10	-1	-5	.	-2	-5	7
2771	NA010	35.8544	78.2334	1.0	-0.1	1	-5	0.5	-100	-5	5	2	1000	7	1450	-2	10	-5	800	-10	-1	-5	.	-2	-5	-5
2772	NA011	35.8750	78.1949	1.1	-0.1		5	0.5	-100	-5	-5	2	2000	7	300	-2	10	-5	1000	-10	-1	-5	.	-2	5	5
2773	NA012	35.8721	78.2051	1.8	0.1	3	-5	0.5	200	-5	-5	4	2000	14	700	2	10	-5	800	-10	-1	-5	.	-2	15	5
2774	NA013	35.8604	78.1967	1.2	-0.1	1	5	0.5	-100	-5	6	-2	1000	6	350	2	15	-5	600	-10	-1	-5	.	-2	5	-5
2775	NA014	35.8323	78.1847	1.2	0.1	2	-5	-0.5	-100	-5	5	2	1000	5	300	3	10	-5	500	10	2	-5	.	-2	-5	-5
2776	NA015	35.8485	78.1757	1.2	0.1	3	-5	0.5	-100	-5	-5	-2	1000	6	750	-2	15	-5	600	15	1	-5	.	-2	-5	-5
2777	NA016	35.8721	78.1625	1.6	-0.1	0	-5	0.5	-100	-5	-5	-2	2000	7	700	-2	5	-5	600	-10	1	-5	.	-2	10	-5
2778	NA017	35.8537	78.1532	1.2	0.1		-5	-0.5	-100	-5	-5	2	1000	6	450	-2	10	-5	700	-10	1	-5	.	-2	5	-5
2779	NA018	35.8571	78.1005	1.2	-0.1	0	-5	-0.5	-100	-5	6	2	1000	6	250	3	15	-5	700	-10	-1	-5	.	-2	5	-5
2780	NA019	35.8445	78.0953	1.2	-0.1	2	-5	-0.5	-100	-5	5	2	1000	8	300	-2	25	-5	900	12	-1	-5	.	-2	-5	5
2781	NA020	35.8204	78.0629	1.2	-0.1	3	-5	0.5	-100	-5	9	2	1000	11	450	2	40	-5	900	15	-1	-5	.	-2	-5	5

RALEIGH 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

Lab #	County ID	Lat	Long	Ux	Ag	As	Ba	Be	Ca	Co	Cr	Cu	K	Li	Mg	Mo	Nb	Ni	P	Pb	Se	Sn	Sr	W	Y	Zn
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2782	NA021	35.7940	78.0686	2.3	0.1	3	-5	1	-100	-5	37	-2	2000	11	1400	-2	15	5	1000	35	-1	-5	.	-2	20	20
2783	NA022	35.7950	78.0232	1.1	-0.1	3	-5	0.5	-100	-5	21	-2	1000	9	1150	3	40	-5	900	30	1	5	.	-2	5	5
2785	NA024	35.8296	78.0026	2.5	-0.1	2	-5	0.5	-100	-5	8	-2	2000	10	450	-2	15	-5	800	10	-1	-5	.	-2	-5	5
2786	NA025	35.8488	78.0597	1.1	-0.1	2	-5	0.5	-100	-5	-5	4	2000	6	850	-2	.	-5	700	-10	1	-5	.	-2	-5	5
2787	NA026	35.9187	78.1698	1.8	-0.1	2	-5	1	-100	-5	-5	4	6000	7	650	-2	25	-5	700	-10	-1	-5	.	-2	-5	5
2788	NA027	35.9405	78.1479	2.2	0.1	3	-5	1.5	100	5	-5	6	8000	20	1900	-2	20	7	1000	17	-1	-5	.	-2	5	30
2789	NA028	35.9661	78.1560	1.4	0.1	1	-5	0.5	-100	-5	-5	5	2000	6	800	-2	15	-5	800	-10	-1	-5	.	-2	-5	7
2790	NA029	35.9554	78.1426	2.1	-0.1	1	-5	1	-100	-5	-5	4	6000	7	550	-2	20	5	700	-10	-1	-5	.	-2	10	7
2791	NA030	35.9586	78.1274	1.4	0.1	3	5	1.5	100	5	5	6	6000	10	2850	-2	20	7	800	-10	-1	-5	.	-2	5	17
2792	NA031	35.9929	78.1403	1.6	-0.1	1	107	3	200	-5	5	2	25000	12	350	3	15	17	800	-10	-1	-5	.	-2	-5	45
2806	NA045	35.9920	78.0808	1.1	-0.1	0	45	1	100	-5	5	4	22000	11	1100	-2	25	-5	800	-10	2	10	.	-2	10	7
2807	NA046	35.9753	78.0524	0.3	-0.1	1	25	0.5	100	-5	-5	5	-1000	5	800	2	5	5	700	-10	-1	-5	.	2	5	-5
2808	NA047	35.9527	78.0898	0.3	-0.1	2	5	0.5	100	-5	5	4	-1000	5	850	-2	-5	-5	700	12		-5	.	-2	-5	7
2809	NA048	35.9246	78.0482	0.7	-0.1	1	7	-0.5	200	-5	7	8	-1000	6	1450	3	-5	-5	700	-10	1	-5	.	2	5	5
2810	NA049	35.9148	78.0477	0.3	-0.1		7	0.5	100	-5	-5	11	-1000	7	2400	-2	-5	-5	800	-10	-1	-5	.	2	5	10
2811	NA050	35.8961	78.0443	0.6	0.1	1	7	0.5	-100	-5	5	7	-1000	9	900	-2	25	-5	900	12	-1	5	.	-2	-5	15
2812	NA051	35.9537	78.0137	0.3	0.1	2	7	1.5	300	-5	9	6	-1000	6	600	-2	-5	-5	700	12	-1	-5	.	2	-5	5
2861	NA100	35.9395	78.0004	1.2	-0.1		5	-0.5	400	-5	50	4	-1000	-5	200	-2	100	-5	900	15	-1	-5	.	-2	20	10
2930	OR002	35.9957	78.9938	2.0	0.1	3	80	1	400	-5	5	10	12000	7	300	-2	5	-5	700	12	-1	-5	.	-2	-5	20
2972	OR044	35.9774	78.9990	1.8	0.2	7	32	1	600	7	-5	16	13000	8	4050	-2	25	5	1000	10	-1	-5	.	-2	-5	27
4002	WA001	35.8246	78.7293	13.9	0.1	1	10	0.5	200	12	-5	6	3000	8	2050	-2	-5	5	1000	-10	1	-5	.	-2	-5	20
4003	WA002	35.8376	78.7785	16.7	0.1	2	52	0.5	500	15	5	6	4000	-5	1300	-2	5	-5	1000	-10	1	-5	.	-2	-5	22
4004	WA003	35.8438	78.7831	15.6	-0.1	2	57	1	200	12	-5	3	9000	-5	550	-2	-5	5	900	-10	1	5	.	-2	-5	15
4005	WA004	35.8597	78.8069	13.9	-0.1	1	22	1	100	7	5	3	12000	5	1450	-2	-5	-5	800	-10	-1	-5	.	-2	-5	12
4006	WA005	35.8612	78.8156	17.9	-0.1	2	22	1	200	5	-5	3	13000	6	1150	-2	-5	-5	700	-10	1	-5	.	-2	-5	12
4007	WA006	35.8848	78.8042	17.9	-0.1	2	25	1.5	200	10	-5	4	14000	6	.	-2	-5	-5	700	10	-1	-5	.	-2	-5	12
4008	WA007	35.8831	78.7994	1.6	0.1	2	17	1	200	10	-5	4	12000	5	450	-2	-5	-5	800	-10	2	5	.	-2	-5	12
4009	WA008	35.9110	78.7751	16.7	-0.1	2	35	1.5	300	5	-5	6	9000	6	800	-2	-5	-5	900	15	-1	15	.	-2	-5	17
4010	WA009	35.9028	78.7627	17.9	0.1	2	17	1	300	7	8	4	4000	5	700	-2	-5	-5	800	-10	1	-5	.	-2	5	12
4011	WA010	35.8990	78.7573	14.7	0.1	1	12	0.5	200	15	5	4	1000	5	1300	-2	15	-5	900	-10	-1	-5	.	-2	-5	12
4012	WA011	35.8715	78.7202	14.7	0.1		32	1	800	12	5	7	1000	-5	750	-2	-5	10	1000	-10	-1	-5	.	-2	-5	12
4013	WA012	35.8422	78.6841	13.9	0.1	1	32	1	100	12	20	7	7000	6	1250	-2	-5	-5	1000	35	1	-5	.	-2	-5	27
4014	WA013	35.8619	78.6937	15.6	0.1		12	1	100	10	-5	6	6000	8	1400	-2	-5	-5	700	10	1	-5	.	-2	5	17
4015	WA014	35.8896	78.6930	11.9	-0.1	1	-5	0.5	400	7	7	3	1000	-5	2200	-2	-5	-5	900	-10	1	5	.	-2	5	10

RALEIGH 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
4016	WA015	35.9155	78.7076	13.2	-0.1	2	22	0.5	200	7	-5	3	14000	-5	1050	-2	-5	-5	700	-10	1	-5	.	-2	-5	7
4017	WA016	35.9212	78.6992	12.5	0.2	2	67	1	300	25	-5	7	3000	7	1350	-2	-5	-5	800	-10	-1	-5	.	-2	-5	30
4018	WA017	35.9501	78.7010	2.1	0.3	2	10	1	200	20	-5	13	9000	16	3250	-2	-5	12	800	10	1	-5	.	-2	5	25
4019	WA018	35.9332	78.6648	25.0	0.1	1	10	1	300	10	7	6	1000	7	1400	-2	-5	7	700	-10	1	-5	.	-2	5	12
4020	WA019	35.9311	78.6623	15.6	-0.1	1	5	0.5	200	5	5	4	2000	7	3050	-2	-5	7	700	-10	-1	-5	.	-2	-5	10
4021	WA020	35.9282	78.6824	15.6	0.2		47	1	400	17	20	5	1000	6	1350	-2	-5	-5	900	-10	-1	10	.	-2	5	15
4022	WA021	35.8087	78.7801	17.9	-0.1	1	10	0.5	500	15	-5	6	1000	6	2700	-2	-5	5	700	-10	-1	-5	.	-2	10	22
4023	WA022	35.8324	78.8152	17.9	-0.1	1	72	1	600	5	6	7	5000	5	350	-2	5	-5	1000	10	2	-5	.	-2	10	25
4024	WA023	35.8204	78.8227	12.5	-0.1	2	50	0.5	800	10	5	6	7000	5	800	-2	-5	-5	1000	-10	-1	-5	.	-2	10	15
4025	WA024	35.8168	78.8470	13.9	0.1	2	42	1	100	5	-5	3	7000	6	1050	-2	-5	5	1000	-10	1	-5	.	-2	5	7
4026	WA025	35.8539	78.8913	5.0	0.1	2	20	0.5	700	15	5	5	15000	8	850	-2	-5	5	700	-10	-1	-5	.	-2	-5	15
4027	WA026	35.8207	78.9144	6.2	0.1	1	155	1.5	400	10	5	4	16000	9	450	-2	-5	5	800	-10	-1	-5	.	-2	-5	10
4028	WA027	35.7798	78.8698	1.8	-0.1	0	140	1	200	5	-5	4	20000	7	250	-2	-5	-5	800	-10	2	5	.	-2	-5	7
4029	WA028	35.7905	78.8305	1.1	0.4	0	57	1.5	800	25	-5	12	25000	9	500	-2	-5	7	700	-10	-1	-5	.	-2	-5	40
4030	WA029	35.7926	78.8385	1.6	-0.1	0	272	1	400	12	6	5	4000	8	750	-2	-5	-5	700	10	1	-5	.	-2	5	20
4031	WA030	35.7824	78.8978	1.8	-0.1	0	282	1.5	200	7	7	4	20000	12	500	-2	-5	-5	900	-10	1	-5	.	-2	-5	10
4032	WA031	35.7763	78.8998	1.6	0.1	0	65	1	100	5	-5	3	20000	9	650	-2	-5	5	700	-10	-1	5	.	-2	5	5
4033	WA032	35.7789	78.9096	2.1	-0.1	0	142	1	100	7	5	2	25000	7	-200	-2	-5	5	700	-10	1	-5	.	-2	-5	-5
4034	WA033	35.7612	78.9188	1.8	0.1	0	47	1	200	5	-5	3	25000	6	250	-2	-5	-5	700	-10	-1	-5	.	-2	-5	7
4035	WA034	35.7380	78.8826	2.9	-0.1	0	140	1	100	7	-5	3	15000	6	-200	-2	-5	-5	700	-10	-1	-5	.	-2	5	5
4036	WA035	35.7243	78.9030	1.8	-0.1	0	52	1	200	10	-5	4	27000	8	400	-2	-5	-5	700	12	1	-5	.	-2	-5	10
4037	WA036	35.7304	78.9318	1.4	-0.1	0	57	1	100	10	-5	4	23000	8	550	-2	-5	-5	700	-10	-1	5	.	-2	-5	7
4038	WA037	35.7182	78.9478	1.8	-0.1	6	70	0.5	300	5	-5	4	17000	8	350	-2	-5	-5	1000	-10	2	-5	.	-2	10	15
4039	WA038	35.6907	78.9383	1.4	-0.1	7	35	0.5	100	-5	-5	2	18000	6	1050	-2	-5	-5	800	10	-1	-5	.	-2	5	5
4040	WA039	35.6177	78.9707	1.6	0.1	5	22	1	200	17	-5	4	6000	9	1700	-2	-5	5	700	10	2	-5	.	-2	5	22
4041	WA040	35.6280	78.9463	1.6	-0.1	1	17	1	300	-5	-5	5	5000	10	800	-2	-5	5	700	-10	3	-5	.	-2	-5	22
4042	WA041	35.6447	78.9293	1.0	0.1	1	50	0.5	100	10	6	7	9000	12	1600	-2	-5	7	700	10	3	5	.	-2	5	17
4043	WA042	35.6447	78.9222	1.8	-0.1	5	37	0.5	100	7	-5	4	13000	7	400	-2	5	5	800	-10	-1	-5	.	-2	5	10
4044	WA043	35.7430	78.7635	1.0	0.1	2	15	0.5	-100	10	5	4	1000	5	1250	-2	5	-5	600	-10	3	5	.	-2	-5	12
4045	WA044	35.7249	78.7786	0.7	0.1	2	-5	-0.5	200	7	-5	4	1000	6	850	-2	5	7	700	-10	1	-5	.	-2	5	15
4046	WA045	35.7192	78.7527	0.7	-0.1	1	7	-0.5	200	7	-5	3	1000	5	2250	-2	-5	5	600	-10	2	-5	.	-2	5	12
4047	WA046	35.7000	78.7678	0.8	-0.1	3	5	-0.5	200	5	-5	3	1000	-5	1050	-2	-5	-5	900	-10	2	-5	.	-2	10	15
4048	WA047	35.6605	78.8049	0.7	-0.1	5	12	-0.5	200	5	-5	7	1000	5	500	-2	-5	-5	800	-10	1	-5	.	-2	5	17
4049	WA048	35.6780	78.8749	1.4	-0.1	2	37	1	100	7	-5	6	8000	9	800	-2	-5	5	800	-10	1	-5	.	-2	5	15

RALEIGH 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
4050	WA049	35.6818	78.8845	1.7	-0.1	9	72	0.5	100	-5	-5	3	14000	7	1200	-2	-5	-5	700	-10	1	-5	.	-2	-5	10
4051	WA050	35.6556	78.8904	1.6	-0.1	1	52	1	200	10	-5	6	5000	10	650	-2	5	5	700	-10	1	-5	.	-2	25	20
4052	WA051	35.6229	78.9161	1.4	-0.1	2	42	0.5	100	12	-5	4	3000	7	500	-2	-5	5	900	-10	-1	-5	.	-2	10	22
4053	WA052	35.6130	78.9046	1.7	-0.1	2	12	0.5	100	-5	-5	2	1000	5	600	-2	-5	-5	900	-10	2	-5	.	-2	5	7
4054	WA053	35.5899	78.9154	1.0	-0.1	7	12	0.5	100	-5	-5	2	2000	-5	600	-2	-5	-5	700	-10	2	-5	.	-2	-5	12
4055	WA054	35.5981	78.8703	0.7	0.2	2	-5	0.5	-100	7	-5	2	2000	-5	800	-2	-5	5	700	-10	2	-5	.	-2	10	15
4056	WA055	35.5624	78.8058	1.8	-0.1	1	7	0.5	-100	-5	-5	2	7000	-5	400	-2	-5	-5	700	-10	2	-5	.	-2	-5	7
4057	WA056	35.5677	78.7229	1.8	-0.1	1	7	-0.5	-100	12	5	4	1000	6	350	-2	-5	-5	900	-10	1	-5	.	-2	-5	12
4058	WA057	35.5332	78.7268	1.8	-0.1	5	12	-0.5	100	7	5	3	-1000	7	600	-2	-5	-5	900	-10	-1	-5	.	-2	15	7
4059	WA058	35.5267	78.7044	2.5	-0.1	2	-5	0.5	-100	10	-5	3	1000	5	800	-2	-5	-5	900	-10	-1	-5	.	-2	15	5
4060	WA059	35.6063	78.7751	1.8	-0.1	5	-5	0.5	-100	5	-5	2	1000	5	500	-2	5	-5	900	-10	1	-5	.	-2	20	5
4061	WA060	35.6210	78.8186	1.6	-0.1	2	5	-0.5	-100	5	-5	2	2000	-5	200	-2	-5	-5	700	-10	1	-5	.	-2	10	7
4062	WA061	35.6619	78.7701	1.9	-0.1	5	-5	0.5	100	10	-5	2	1000	5	700	-2	-5	-5	700	-10	1	-5	.	-2	-5	10
4063	WA062	35.6456	78.7399	1.6	-0.1	7	-5	0.5	100	7	-5	4	2000	10	1500	-2	-5	-5	900	-10	1	-5	.	-2	-5	10
4064	WA063	35.6412	78.7437	1.5	-0.1	2	-5	0.5	100	10	5	3	1000	5	500	-2	5	5	900	-10	1	-5	.	-2	10	12
4065	WA064	35.6118	78.7266	1.6	-0.1	5	5	-0.5	100	5	-5	4	-1000	6	600	-2	-5	5	1000	-10	1	-5	.	-2	5	12
4066	WA065	35.6083	78.6880	1.4	-0.1	2	10	0.5	200	7	-5	7	1000	-5	1650	-2	5	-5	1000	-10	2	-5	.	-2	5	10
4067	WA066	35.6201	78.6829	1.6	0.1	2	47	-0.5	100	-5	5	4	2000	-5	650	-2	5	-5	700	-10	3	-5	.	-2	5	7
4068	WA067	35.6159	78.6485	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
4069	WA068	35.5944	78.6362	1.4	0.2	1	12	-0.5	100	5	-5	3	4000	6	850	-2	-5	5	800	-10	2	-5	.	-2	-5	-5
4070	WA069	35.5887	78.6360	1.2	0.2	7	12	0.5	100	5	5	3	4000	5	600	-2	5	-5	800	-10	1	-5	.	-2	-5	-5
4071	WA070	35.5849	78.6568	1.6	0.1	5	5	-0.5	200	5	-5	4	1000	5	900	-2	-5	-5	800	-10	3	-5	.	-2	-5	10
4072	WA071	35.5664	78.6756	1.6	0.2	10	7	0.5	100	-5	5	3	-1000	5	500	-2	5	-5	900	-10	2	-5	.	-2	-5	5
4073	WA072	35.6808	78.6539	1.6	0.2	5	17	0.5	100	7	-5	5	1000	5	350	-2	-5	7	900	-10	-1	-5	.	-2	-5	10
4074	WA073	35.6625	78.5996	0.2	0.2	2	305	1	-100	7	5	3	17000	5	300	-2	5	-5	800	-10	2	-5	.	-2	-5	7
4075	WA074	35.6705	78.5494	1.7	0.2	5	300	0.5	-100	5	6	3	17000	6	200	-2	5	-5	1000	-10	2	-5	.	-2	-5	7
4076	WA075	35.7404	78.5693	1.2	-0.1	1	422	1	100	-5	6	3	20000	7	250	-2	-5	-5	900	-10	2	-5	.	-2	-5	12
4077	WA076	35.7498	78.5354	1.4	0.3	8	67	1	600	-5	12	11	17000	7	3000	-2	5	-5	1000	15	3	5	.	-2	10	37
4078	WA077	35.7472	78.4922	2.3	0.1	8	477	1.5	100	5	13	4	28000	7	450	2	5	-5	1100	-10	-1	-5	.	2	-5	12
4079	WA078	35.7309	78.4780	1.8	0.1	8	370	1	100	7	8	2	23000	6	1550	-2	5	-5	800	10	1	-5	.	-2	-5	7
4080	WA079	35.7271	78.5137	1.6	0.4	6	270	2	300	12	6	17	12000	7	1500	-2	-5	5	1000	47	-1	10	.	-2	-5	60
4081	WA080	35.7196	78.5268	1.4	-0.1	1	237	2	-100	-5	5	2	27000	-5	1250	-2	-5	-5	800	-10	-1	-5	.	-2	-5	5
4082	WA081	35.7531	78.4127	2.4	0.1	5	400	1.5	100	-5	5	5	18000	8	1200	-2	-5	-5	800	-10	1	5	.	-2	5	15
4083	WA082	35.8394	78.5416	0.9	0.3	6	602	1.5	100	12	6	4	13000	6	750	-2	5	-5	1100	-10	1	-5	.	-2	-5	12

RALEIGH 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
4084	WA083	35.8549	78.4771	1.4	0.1	9	420	1.5	100	10	6	3	15000	-5	950	-2	5	-5	800	-10	1	-5	.	-2	-5	12
4085	WA084	35.8175	78.5014	1.9	0.1	30	435	2	100	10	7	5	16000	5	350	11	-5	-5	1000	12	3	115	.	-2	11	20
4086	WA085	35.7472	78.4670	1.3	0.2	5	407	1.5	-100	5	8	3	16000	-5	900	-2	-5	-5	700	10	-1	-5	.	-2	-5	7
4087	WA086	35.7741	78.3843	1.4	0.1	10	307	1	-100	7	9	-2	13000	-5	200	-2	-5	-5	1000	-10	1	-5	.	-2	10	5
4088	WA087	35.8045	78.3756	2.4	0.1	8	340	1.5	100	-5	-5	3	17000	-5	300	-2	5	-5	600	10	1	-5	.	-2	-5	10
4089	WA088	35.8369	78.3609	2.3	0.1	2	135	2.5	100	10	-5	3	27000	-5	1800	-2	-5	-5	800	-10	-1	-5	.	-2	-5	17
4090	WA089	35.8571	78.3676	0.9	-0.1	3	465	2	100	-5	-5	3	26000	-5	950	-2	-5	-5	1000	-10	2	-5	.	2	-5	7
4091	WA090	35.8487	78.3749	1.2	-0.1	6	500	2	100	5	6	4	23000	5	1000	-2	-5	-5	1000	-10	1	-5	.	-2	5	10
4092	WA091	35.8423	78.3786	2.5	0.2	6	502	1.5	100	7	6	4	22000	5	250	-2	5	-5	1100	-10	1	-5	.	-2	-5	7
4093	WA092	35.9329	78.4113	2.7	0.5	20	150	2	100	20	-5	14	13000	20	1550	9	-5	5	1000	25	3	92	.	-2	14	45
4094	WA093	35.9155	78.3900	1.7	0.3	4	490	2.5	-100	12	6	8	17000	7	950	-2	-5	5	800	-10	2	5	.	-2	-5	17
4095	WA094	35.9091	78.3770	1.6	0.2	2	192	1.5	100	10	6	5	22000	7	1200	-2	-5	-5	900	-10	-1	15	.	-2	5	20
4096	WA095	35.8983	78.3324	1.7	0.4	5	265	1.5	100	20	5	15	13000	14	400	-2	5	5	1000	22	2	-5	.	-2	5	47
4097	WA096	35.8654	78.2977	2.1	0.2	6	192	1.5	100	7	8	5	24000	10	400	-2	-5	-5	800	12	-1	5	.	-2	10	12
4098	WA097	35.8698	78.2826	3.0	0.3	5	300	2	100	10	7	12	15000	19	300	7	-5	5	900	17	2	75	.	-2	12	30
4099	WA098	35.8391	78.2719	1.5	-0.1	6	70	1	100	-5	7	2	16000	7	250	-2	-5	-5	700	-10	-1	-5	.	-2	-5	5
4100	WA099	35.8112	78.2694	1.0	0.1	7	10	0.5	-100	7	7	3	4000	5	700	-2	-5	-5	700	-10	1	5	.	-2	-5	10
4101	WA100	35.7815	78.3271	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		-5	.	.	.	.
4102	WA101	35.8796	78.5474	1.5	0.1	5	240	1	600	7	8	3	10000	-5	1250	-2	-5	-5	800	-10	-1	-5	.	-2	5	12
4103	WA102	35.8877	78.5623	1.0	0.2	1	152	1.5	300	10	10	5	12000	-5	450	-2	-5	-5	800	-10	-1	-5	.	-2	-5	17
4104	WA103	35.9120	78.6234	1.1	0.1	6	7	1	100	7	10	3	2000	5	2400	-2	-5	5	700	-10	1	-5	.	2	-5	5
4105	WA104	35.9297	78.6064	1.0	0.1	0	5	0.5	200	5	12	3	2000	6	3250	-2	5	-5	600	-10	-1	20	.	2	-5	7
4106	WA105	35.9241	78.6032	1.1	0.3	1	72	1	200	10	14	7	4000	5	500	-2	-5	-5	900	-10	1	10	.	-2	5	22
4107	WA106	35.9189	78.5336	2.2	-0.1	3	47	1.7	1300	22	5	13	17000	-5	3950	11	-5	6	700	14	-1	115	.	-2	28	42
4108	WA107	35.9063	78.5249	2.6	0.1	1	375	1.5	100	-5	8	4	11000	-5	-200	-2	-5	-5	900	-10	-1	-5	.	-2	-5	10
4109	WA108	35.9152	78.5057	2.2	0.1	5	260	1.5	100	7	8	4	11000	-5	950	-2	-5	-5	1000	10	1	-5	.	-2	-5	7
4110	WA109	35.9377	78.5052	1.4	0.1	1	280	2	100	7	5	4	8000	-5	950	-2	-5	-5	800	-10	1	-5	.	-2	5	10
4111	WA110	35.9498	78.5073	2.5	0.2	1	.	.	1000	10	.	4	.	.	.	-2	-5	-5	.	10	1	-5	.	-2	-5	15
4112	WA111	35.9381	78.4833	2.0	0.1	1	392	1.5	100	5	6	3	15000	5	750	-2	-5	-5	1000	-10	-1	-5	.	-2	-5	10
4113	WA112	35.9349	78.4798	2.4	0.3	0	467	2.5	-100	-5	6	3	18000	-5	950	2	-5	-5	1200	-10	1	-5	.	2	5	7
4114	WA113	35.9622	78.4849	1.1	0.3	0	385	1.5	100	12	5	6	12000	5	1100	-2	-5	-5	1000	-10	1	-5	.	-2	-5	15
4115	WA114	35.9668	78.4890	1.4	0.2	7	370	2	400	20	8	40	14000	-5	1300	-2	-5	7	1000	-10	1	-5	.	-2	-5	22
4116	WA115	35.9790	78.5231	1.4	0.3	1	57	1.5	600	12	8	6	9000	-5	600	-2	5	-5	1000	10	-1	-5	.	-2	10	25
4117	WA116	35.9951	78.5354	1.1	0.2	1	50	1.5	300	12	10	7	4000	5	1700	-2	5	-5	1000	-10	-1	10	.	-2	5	22

RALEIGH 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
4126	WA125	35.9785	78.6774	0.8	0.2	0	30	1	500	10	10	5	7000	8	3550	3	10	-5	1000	-10	-1	-5	.	-2	-5	20
4128	WA127	35.9726	78.6532	0.8	0.4	1	60	0.5	400	15	15	5	3000	6	1200	-2	15	5	900	-10	-1	-5	.	-2	5	15
4129	WA128	35.9584	78.6429	1.3	0.3	1	22	1	300	12	11	4	2000	6	3850	-2	15	5	700	-10	-1	5	.	2	5	10
4130	WA129	35.9637	78.5996	0.9	0.2	0	15	1	300	12	14	3	2000	6	2900	-2	-5	5	600	-10	-1	15	.	-2	-5	10
4131	WI001	35.6206	78.1266	0.3	-0.1	1	7	0.5	-100	5	5	2	-1000	10	600	-2	15	-5	700	32	-1	-5	.	-2	-5	5
4132	WI002	35.6353	78.1018	0.3	0.1	1	7	0.5	-100	10	10	3	-1000	23	1350	-2	75	5	900	42	1	-5	.	-2	-5	17
4133	WI003	35.6079	78.0559	0.3	-0.1	2	7	0.5	-100	-5	8	2	1000	11	550	2	100	-5	700	32	2	-5	.	-2	-5	7
4134	WI004	35.5975	78.0129	0.7	-0.1	1	5	0.5	-100	-5	5	2	1000	17	450	-2	110	-5	900	12	-1	5	.	-2	10	10
4143	WI013	35.6849	78.1329	0.3	-0.1	3	17	0.5	-100	-5	5	6	4000	12	1050	-2	20	5	700	-10	2	-5	.	-2	-5	10
4146	WI016	35.6425	78.0283	0.3	0.2	4	5	0.5	-100	-5	-5	4	2000	18	750	-2	50	-5	900	55	-1	5	.	-2	15	30
4147	WI017	35.6355	78.0600	0.4	-0.1	7	12	0.5	-100	-5	-5	6	1000	20	800	2	60	-5	1000	32	-1	-5	.	-2	15	25
4148	WI018	35.6559	78.0612	0.6	-0.1	1	5	0.5	-100	-5	-5	3	-1000	10	550	-2	45	-5	900	65	1	-5	.	-2	30	10
4149	WI019	35.6614	78.0130	1.4	0.3	1	-5	0.5	-100	10	7	3	1000	21	650	3	15	-5	1000	30	-1	10	.	-2	10	12
4184	WI054	35.7791	78.0174	1.2	0.3	0	17	0.5	-100	-5	-5	-2	-1000	7	2000	-2	75	-5	1000	57	1	5	.	-2	-5	5
4185	WI055	35.7808	78.0526	0.3	0.1	1	7	0.5	-100	7	-5	-2	-1000	8	850	2	90	-5	900	35	1	5	.	-2	20	12
4186	WI056	35.7741	78.0287	3.7	0.3	2	12	0.5	-100	-5	-5	-2	1000	10	1000	2	75	-5	1000	35	1	5	.	-2	5	5
4187	WI057	35.7398	78.0763	0.6	0.1	0	27	-0.5	-100	-5	-5	-2	-1000	5	1200	2	100	-5	1000	22	1	-5	.	-2	-5	-5
4188	WI058	35.7325	78.0979	1.5	0.4	0	12	0.5	-100	-5	-5	-2	1000	7	400	-2	200	-5	1100	42	2	-5	.	-2	5	5
4189	WI059	35.7319	78.1680	0.8	0.3	1	10	0.5	-100	5	-5	3	1000	7	450	-2	5	-5	700	-10	-1	20	.	-2	10	5
4190	WI060	35.7195	78.1403	2.1	0.3		7	1.5	-100	-5	7	2	7000	9	550	3	50	-5	800	12	-1	-5	.	-2	5	7
4191	WI061	35.7047	78.1064	1.6	0.2	1	25	0.5	-100	-5	-5	-2	1000	-5	1550	5	50	-5	900	50	-1	-5	.	-2	20	7
4192	WI062	35.7032	78.0487	1.0	0.2	1	7	-0.5	-100	-5	6	-2	-1000	5	200	3	35	-5	800	10	-1	-5	.	-2	-5	5
4193	WI063	35.7233	78.0190	0.7	0.2	2	-5	0.5	-100	-5	5	3	1000	9	700	2	25	-5	800	-10	-1	5	.	-2	25	10
4195	WI065	35.6806	78.0612	1.2	0.2	1	7	-0.5	-100	-5	17	2	-1000	-5	350	3	50	-5	1000	42	-1	5	.	-2	10	7
4196	WI066	35.6790	78.0999	1.4	0.2	2	25	0.5	-100	-5	9	-2	1000	-5	500	-2	40	-5	800	12	-1	5	.	-2	10	5
4522	WY013	35.5592	78.0217	-0.1	-0.1	2	7	0.5	-100	5	14	3	1000	11	1500	-2	15	-5	900	20	-1	-5	.	-2	-5	10
4523	WY014	35.5784	78.0497	-0.1	-0.1	2	10	0.5	100	-5	466	2	1000	8	650	7	15	-5	800	35	-1	20	.	4	-5	10
4524	WY015	35.5494	78.0609	-0.1	-0.1	1	10	0.5	-100	-5	74	3	1000	7	400	3	10	-5	700	12	-1	-5	.	-2	-5	7
4525	WY016	35.5182	78.0520	-0.1	-0.1	1	17	0.5	-100	-5	22	2	4000	9	750	2	5	-5	600	10	1	25	.	-2	10	7

RALEIGH 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 x1000	Al ppb	Dy ppb
1011	CH529	35.7733	78.9617	6.6	310	0.103	79	54500	127	.	359	34990	-0.1	0.3	195	-0.001
1012	CH530	35.8208	78.9639	7.2	498	9.119	262	70700	.	.	242	32980	6.3	18.3	65	-0.001
1013	CH531	35.7323	78.9624	6.3	270	0.304	.	59700	.	.	170	26920	-0.1	1.1	76	-0.001
1019	CH537	35.5493	78.9671	6.0	80	-0.002	.	12100	19	.	182	16520	0.8	0.0	166	0.080
1020	CH538	35.5816	78.9847	8.9	100	-0.002	.	4700	32	.	33	4870	2.8	0.0	38	-0.001
1651	DR501	35.9945	78.9750	8.2	131	0.145	14	5700	.	.	35	3100	2.8	1.1	23	-0.001
1654	DR504	35.9644	78.8490	7.8	400	5.104	.	21000	.	13160	.	23070	-0.1	12.7	.	-0.001
1655	DR505	35.9477	78.9047	7.1	998	7.844	349	60800	.	.	534	M	-0.1	7.8	25	-0.001
1656	DR506	35.8709	78.8510	8.2	420	7.633	.	22500	.	.	102	26650	1.6	18.1	14	6.550
1657	DR507	35.9199	78.8471	7.6	620	1.047	301	62300	.	22480	384	31500	-0.1	1.6	65	-0.001
1658	DR508	35.9659	78.8046	7.2	1100	39.380	.	132200	.	17960	127	76450	9.4	35.8	137	-0.001
1659	DR509	35.9631	78.7407	7.8	1200	28.110	.	142100	.	.	114	140450	-0.1	23.4	21	-0.001
1677	DR527	35.8763	78.9128	7.3	700	1.348	.	M	.	1480	70	M	-0.1	1.9	11	-0.001
1678	DR528	35.8836	78.9720	7.6	265	3.503	74	14000	.	7160	.	28390	0.8	13.2	.	-0.001
1679	DR529	35.9238	78.9041	6.8	440	1.162	.	41700	.	5400	.	17860	2.7	2.6	9	-0.001
1680	DR530	35.9140	78.9604	6.3	185	0.142	20	8200	.	.	37	7230	1.5	0.7	24	-0.001
1681	DR531	35.9529	78.9695	7.1	440	0.601	.	15600	277	.	.	31130	-0.1	1.3	29	0.090
2031	FR506	35.9751	78.1851	5.8	35	0.200	21	5800	.	.	61	M	-0.1	5.7	9	0.070
2033	FR508	35.9639	78.2394	5.6	55	0.188	23	6600	.	.	10	6250	-0.1	3.4	24	-0.001
2034	FR509	35.9123	78.2389	5.6	23	0.103	.	4300	.	.	3	2170	-0.1	4.4	11	-0.001
2035	FR510	35.8721	78.2414	6.9	208	1.407	5	8600	187	2820	.	5130	0.7	6.7	21	0.030
2036	FR511	35.9178	78.2955	5.9	42	0.205	18	5200	.	.	6	3410	-0.1	4.8	16	-0.001
2037	FR512	35.9204	78.3450	6.2	42	0.151	26	4800	.	.	.	2870	-0.1	3.6	15	-0.001
2038	FR513	35.9617	78.3529	6.1	46	0.115	16	4400	.	.	3	3370	0.3	2.5	11	-0.001
2039	FR514	35.9623	78.2907	6.1	80	1.151	.	5900	.	.	7	5930	-0.1	14.3	10	-0.001
2045	FR520	35.9665	78.4059	6.5	50	0.442	13	3900	13	.	18	4770	0.3	8.8	16	0.100
2604	HR504	35.5102	78.9089	5.5	65	0.003	.	7500	.	.	28	5960	-0.1	0.0	38	-0.001
2605	HR505	35.5552	78.8955	5.7	111	0.004	5	7200	.	.	37	4110	-0.1	0.0	82	-0.001
2606	HR506	35.5513	78.8505	5.8	41	0.003	.	5700	.	.	30	2870	-0.1	0.0	81	-0.001
2607	HR507	35.5119	78.8546	5.3	69	0.004	.	9700	.	.	50	6750	-0.1	0.0	57	-0.001
2608	HR508	35.5061	78.7970	4.9	40	0.011	.	5000	.	.	27	4030	-0.1	0.2	75	-0.001
2610	HR510	35.5035	78.6923	5.4	51	-0.002	18	8000	.	.	28	5010	-0.1	0.0	35	-0.001
2907	JO501	35.5159	78.3601	6.3	130	-0.002	11	16600	.	.	42	9440	-0.1	0.0	410	0.070
2908	JO502	35.5525	78.4002	6.6	95	-0.002	.	4900	29	.	369	4900	-0.1	0.0	37	-0.001

RALEIGH 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 x1000	Al ppb	Dy ppb
2909	J0503	35.5936	78.4096	6.4	168	-0.002	.	12100	.	.	24	10470	-0.1	0.0	20	-0.001
2910	J0504	35.6341	78.4689	6.6	80	-0.002	9	4800	20	.	28	4170	1.1	0.0	46	-0.001
2911	J0505	35.6389	78.5227	6.4	65	0.021	.	4400	93	.	21	5770	1.4	0.3	41	-0.001
2912	J0506	35.5949	78.5036	6.4	69	0.011	.	7200	.	.	33	4110	-0.1	0.1	21	-0.001
2913	J0507	35.5949	78.4656	5.5	40	-0.002	.	6800	.	.	25	4410	-0.1	0.0	32	-0.001
2914	J0508	35.5480	78.4599	6.2	101	-0.002	.	8000	.	.	.	5180	-0.1	0.0	38	-0.001
2915	J0509	35.5477	78.5199	6.0	38	-0.002	14	4600	.	.	20	2740	-0.1	0.0	56	-0.001
2916	J0510	35.5977	78.5721	5.5	75	-0.002	31	6800	.	.	28	7380	-0.1	0.0	45	-0.001
2917	J0511	35.5484	78.5739	6.2	60	-0.002	.	4600	.	.	20	4010	-0.1	0.0	41	-0.001
2918	J0512	35.5072	78.5185	7.0	125	-0.002	.	3400	53	.	165	6620	-0.1	0.0	41	-0.001
2919	J0513	35.5025	78.4586	5.6	73	-0.002	.	7300	.	.	34	5820	-0.1	0.0	63	-0.001
2920	J0514	35.5034	78.4089	5.5	116	0.011	75	10700	.	.	29	7200	-0.1	0.0	148	-0.001
2924	J0518	35.5053	78.5769	6.2	114	0.003	57	7900	.	.	18	5800	-0.1	0.0	27	-0.001
2925	J0519	35.5528	78.6314	4.6	125	0.129	11	14200	.	.	19	6690	-0.1	1.0	365	1.140
2926	J0520	35.5076	78.6211	4.5	193	0.101	.	13500	.	.	48	5590	-0.1	0.5	568	6.320
2941	J0535	35.5054	78.1855	5.3	130	0.138	.	11400	.	.	48	6530	-0.1	1.0	199	-0.001
2942	J0536	35.5053	78.1296	5.5	138	-0.002	.	13800	.	.	46	6290	-0.1	0.0	46	-0.001
2943	J0537	35.5516	78.1254	4.9	230	0.047	.	25000	.	.	35	14400	-0.1	0.2	297	-0.001
2944	J0538	35.5975	78.1337	5.3	90	-0.002	20	11300	.	.	49	8660	-0.1	0.0	53	-0.001
2945	J0539	35.6462	78.1838	6.7	160	0.218	.	7300	.	.	127	7730	-0.1	1.3	26	-0.001
2946	J0540	35.6911	78.1905	6.8	98	-0.002	.	6800	16	.	51	5920	-0.1	0.0	39	-0.001
2947	J0541	35.7343	78.2392	6.3	48	-0.002	12	4900	.	.	28	4900	-0.1	0.0	32	-0.001
2948	J0542	35.6870	78.2456	6.7	62	0.005	10	4600	9	.	25	4350	0.2	0.0	32	-0.001
2949	J0543	35.6421	78.2420	6.5	55	-0.002	.	5000	.	.	40	4210	-0.1	0.0	41	-0.001
2950	J0544	35.5954	78.2427	5.7	98	-0.002	.	10800	.	.	43	7370	-0.1	0.0	94	0.230
2951	J0545	35.5965	78.1884	5.4	96	-0.002	.	9500	.	.	93	6600	-0.1	0.0	59	-0.001
2952	J0546	35.5528	78.1824	5.2	120	-0.002	.	11900	.	.	102	5550	-0.1	0.0	103	-0.001
2953	J0547	35.5508	78.2436	5.2	129	0.013	.	19700	.	.	39	14560	-0.1	0.1	53	-0.001
2959	J0553	35.5142	78.2926	4.7	300	0.256	.	M	.	.	.	19070	-0.1	0.8	.	-0.001
2971	J0565	35.5525	78.2983	6.2	60	-0.002	8	7100	.	.	59	4180	-0.1	0.0	35	-0.001
2972	J0566	35.5951	78.2956	5.8	42	-0.002	14	4800	.	.	29	3560	-0.1	0.0	32	-0.001
2973	J0567	35.6379	78.2994	5.8	115	-0.002	.	11000	.	.	.	7880	-0.1	0.0	31	-0.001
2974	J0568	35.6851	78.2971	6.3	80	0.050	12	5300	.	.	33	3740	0.2	0.6	32	-0.001
2975	J0569	35.7316	78.2992	6.1	71	-0.002	.	6000	20	.	23	5180	0.1	0.0	39	-0.001

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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 x1000	Al ppb	Dy ppb
2976	J0570	35.7785	78.2930	4.9	384	0.117	.	51900	.	.	202	26500	0.5	0.3	197	-0.001
2977	J0571	35.7336	78.3510	5.8	51	0.015	19	5500	.	.	54	4290	-0.1	0.2	33	-0.001
2978	J0572	35.7310	78.4036	5.6	60	0.114	.	6100	.	.	26	5120	-0.1	1.9	37	-0.001
2979	J0573	35.6924	78.4093	5.9	68	0.042	29	5400	.	.	26	5180	-0.1	0.6	22	-0.001
2980	J0574	35.6870	78.4599	6.1	48	0.138	.	4400	14	.	26	4310	-0.1	2.8	27	-0.001
2981	J0575	35.6372	78.4157	5.9	32	0.005	.	5400	.	.	18	3910	-0.1	0.1	35	-0.001
2982	J0576	35.6871	78.3537	6.4	65	-0.002	5	3700	38	.	35	5140	0.2	0.0	30	-0.001
2983	J0577	35.6481	78.3430	6.6	111	-0.002	.	4100	16	.	42	5070	1.8	0.0	26	-0.001
2984	J0578	35.5977	78.3496	6.5	70	-0.002	17	7400	.	.	20	6990	-0.1	0.0	14	-0.001
2985	J0579	35.5505	78.3489	5.6	75	-0.002	31	6900	.	.	52	4960	-0.1	0.0	37	-0.001
3543	NA510	35.8818	78.0025	7.2	82	-0.002	.	5000	.	.	63	3900	0.8	0.0	40	-0.001
3544	NA511	35.8319	78.0126	4.6	117	0.014	10	11200	.	.	89	5230	-0.1	0.1	201	-0.001
3545	NA512	35.7837	78.0717	7.0	76	-0.002	.	4100	100	.	189	3710	-0.1	0.0	30	-0.001
3546	NA513	35.7863	78.1304	5.6	45	-0.002	22	5800	.	.	65	3710	-0.1	0.0	19	-0.001
3547	NA514	35.7790	78.1802	5.3	120	0.020	.	17200	.	.	98	10850	-0.1	0.1	40	0.580
3548	NA515	35.7796	78.2403	5.0	60	-0.002	.	6300	.	.	82	6210	-0.1	0.0	66	0.360
3549	NA516	35.8309	78.2408	6.5	103	-0.002	.	4800	21	.	166	4880	-0.1	0.0	51	-0.001
3550	NA517	35.8312	78.1853	5.8	76	-0.002	.	8500	.	.	80	6750	-0.1	0.0	40	-0.001
3551	NA518	35.8210	78.1343	6.7	40	-0.002	12	4300	.	.	94	3290	-0.1	0.0	36	-0.001
3552	NA519	35.8266	78.0760	4.9	112	-0.002	.	7800	.	.	98	3290	-0.1	0.0	80	-0.001
3553	NA520	35.8666	78.0689	6.8	90	-0.002	.	5100	48	.	209	5040	-0.1	0.0	28	-0.001
3554	NA521	35.8758	78.1345	5.6	61	-0.002	.	9700	.	.	78	7130	-0.1	0.0	38	-0.001
3555	NA522	35.8740	78.1756	6.2	70	-0.002	22	6600	.	.	83	4900	-0.1	0.0	41	-0.001
3556	NA523	35.9186	78.1853	6.2	50	-0.002	.	4700	.	.	67	5240	-0.1	0.0	34	-0.001
3557	NA524	35.9255	78.0612	7.3	118	-0.002	.	4700	14	.	85	3820	1.4	0.0	33	-0.001
3563	NA530	35.9676	78.1261	7.6	200	0.068	.	7100	39	.	134	10750	-0.1	0.3	38	-0.001
3564	NA531	35.9117	78.1336	6.1	197	0.036	.	18100	.	.	71	7510	-0.1	0.1	34	-0.001
3565	NA532	35.9599	78.0703	6.6	72	-0.002	.	4300	280	.	69	3630	-0.1	0.0	33	-0.001
3569	NA536	35.9699	78.0102	7.0	152	-0.002	.	5000	.	.	538	5270	2.3	0.0	50	-0.001
3570	NA537	35.9178	78.0097	5.3	61	-0.002	7	6300	.	.	27	5110	-0.1	0.0	30	-0.001
5276	WA501	35.7785	78.5819	6.9	80	0.881	.	6200	74	.	25	7050	0.5	11.0	35	-0.001
5277	WA502	35.7776	78.5231	7.1	118	0.062	.	7700	.	.	32	7770	-0.1	0.5	35	-0.001
5278	WA503	35.8240	78.5276	6.5	98	4.201	.	10300	.	.	32	7630	-0.1	42.8	36	-0.001
5279	WA504	35.8304	78.5705	6.6	65	0.210	.	5500	22	.	29	5110	0.6	3.2	39	-0.001

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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 x1000	Al ppb	Dy ppb
5280	WA505	35.8650	78.5905	6.2	60	0.187	18	5800	.	.	28	5300	0.2	3.1	36	-0.001
5281	WA506	35.8673	78.6288	6.1	45	0.141	.	4200	12	.	33	3910	-0.1	3.1	41	-0.001
5282	WA507	35.8248	78.6409	7.1	240	6.099	.	7100	.	.	47	6240	0.3	25.4	33	-0.001
5283	WA508	35.8291	78.6842	7.1	158	0.345	.	4800	.	.	35	6050	0.3	2.1	23	-0.001
5284	WA509	35.8680	78.6854	5.7	40	0.006	.	M	1	M	.	M	-0.1	0.1	.	-0.001
5285	WA510	35.8704	78.7473	6.5	71	0.173	12	5500	.	.	59	1730	-0.1	2.4	15	-0.001
5286	WA511	35.9120	78.8075	7.3	710	0.177	66	13100	.	2400	13	5470	-0.1	0.2	41	-0.001
5287	WA512	35.8290	78.8167	6.9	2600	5.170	.	169300	.	56000	756	60650	-0.1	1.9	102	-0.001
5288	WA513	35.8557	78.8068	6.6	280	2.622	25	M	.	1320	.	M	-0.1	9.3	.	-0.001
5289	WA514	35.8212	78.8559	7.6	340	1.063	114	M	.	5000	.	M	-0.1	3.1	.	-0.001
5290	WA515	35.8169	78.9181	6.3	385	7.726	129	M	.	.	37	41620	0.4	20.0	.	-0.001
5291	WA516	35.7733	78.9168	7.1	170	0.744	112	26600	.	3630	.	10630	0.4	4.3	.	-0.001
5292	WA517	35.7811	78.8602	5.4	78	0.264	.	24200	.	.	52	23750	-0.1	3.3	177	0.170
5293	WA518	35.7785	78.7935	6.8	160	0.118	.	9300	.	1370	50	4310	-0.1	0.7	103	-0.001
5294	WA519	35.7754	78.7375	5.6	95	0.103	.	4400	.	4390	119	M	-0.1	1.0	20	-0.001
5295	WA520	35.8213	78.7426	6.3	110	0.054	9	14700	.	.	25	M	-0.1	0.4	40	-0.001
5296	WA521	35.7384	78.6869	6.4	68	0.243	.	8500	.	.	20	7990	4.8	3.5	22	-0.001
5297	WA522	35.6876	78.6854	6.4	52	0.052	40	7700	.	.	13	6660	0.3	1.0	37	-0.001
5298	WA523	35.6452	78.6885	7.0	70	0.055	32	5100	.	780	6	3370	0.3	0.7	13	-0.001
5299	WA524	35.6486	78.7403	7.1	89	0.054	32	5000	65	2570	.	3520	9.2	0.6	15	-0.001
5300	WA525	35.6863	78.7390	7.1	85	0.072	8	4500	25	3930	173	5620	-0.1	0.8	14	-0.001
5301	WA526	35.7309	78.7458	6.3	51	0.106	.	3600	42	5450	12	2810	0.8	2.0	12	-0.001
5302	WA527	35.7630	78.6905	6.4	45	0.041	14	4700	9	2040	22	3940	-0.1	0.9	15	-0.001
5303	WA528	35.7341	78.7906	6.4	55	0.089	.	4700	.	.	5	4470	0.4	1.6	13	-0.001
5304	WA529	35.7436	78.8539	6.0	70	0.037	6	4400	25	.	30	M	-0.1	0.5	14	-0.001
5305	WA530	35.7232	78.9179	6.4	100	0.060	16	11400	.	.	23	4270	-0.1	0.6	16	-0.001
5306	WA531	35.6948	78.9614	5.7	85	0.274	13	7000	.	2540	.	7310	0.4	3.2	20	-0.001
5307	WA532	35.6891	78.9147	6.4	160	0.038	15	M	.	230	.	M	-0.1	0.2	1	-0.001
5308	WA533	35.6911	78.8607	7.0	900	0.333	79	21000	.	.	53	28580	-0.1	0.3	28	-0.001
5309	WA534	35.6917	78.7962	7.0	260	4.199	.	M	.	M	9	M	-0.1	16.1	.	-0.001
5310	WA535	35.6348	78.8481	9.4	98	0.307	15	26300	.	.	20	22270	-0.1	3.1	20	-0.001
5311	WA536	35.6386	78.9196	7.7	195	0.098	.	6200	37	860	.	5220	0.6	0.5	35	-0.001
5312	WA537	35.6577	78.9783	7.8	302	0.303	.	17700	.	.	48	14510	0.8	1.0	12	-0.001
5313	WA538	35.5944	78.8968	6.8	255	1.548	63	10300	.	2020	.	M	0.5	6.0	12	-0.001

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5314	WA539	35.5879	78.8488	5.3	220	0.105	130	19000	.	9970	369	17360	-0.1	0.4	9	-0.001
5315	WA540	35.5969	78.8142	6.0	90	0.112	.	25700	.	.	60	19940	-0.1	1.2	262	-0.001
5316	WA541	35.6354	78.7953	6.2	130	0.097	15	9700	.	.	30	5700	-0.1	0.7	19	-0.001
5317	WA542	35.5517	78.7846	6.7	61	0.051	7	10900	.	1730	7	5630	-0.1	0.8	15	0.050
5318	WA543	35.5537	78.7388	8.0	109	0.043	28	M	.	29580	.	M	-0.1	0.3	.	-0.001
5319	WA544	35.5574	78.6822	7.3	150	0.074	.	6600	.	.	10	3050	0.8	0.4	78	-0.001
5320	WA545	35.5996	78.6867	7.0	130	0.053	26	9200	.	1300	31	4650	-0.1	0.4	133	-0.001
5321	WA546	35.5995	78.7336	6.6	110	0.071	23	5500	.	4150	71	3840	-0.1	0.6	22	-0.001
5322	WA547	35.9182	78.5233	6.8	70	0.060	.	14400	.	.	64	10440	-0.1	0.8	34	-0.001
5323	WA548	35.9443	78.5345	6.8	72	0.240	23	5800	.	.	8	M	-0.1	3.3	17	-0.001
5326	WA551	35.9628	78.5693	6.7	180	0.052	.	5100	52	.	11	3550	1.4	0.2	12	-0.001
5327	WA552	35.9179	78.5772	6.7	110	8.920	51	24900	.	4130	81	M	-0.1	81.0	13	0.070
5328	WA553	35.9121	78.6367	5.8	60	0.394	11	5600	.	4430	.	5860	7.8	6.5	12	0.050
5329	WA554	35.9569	78.6362	5.7	40	0.245	.	11800	.	620	61	6580	0.2	6.1	82	-0.001
5334	WA559	35.9543	78.7000	6.9	102	0.092	27	5100	55	4010	15	4760	3.0	0.9	21	-0.001
5335	WA560	35.9090	78.6898	7.1	113	0.171	.	5300	66	2910	19	5020	6.2	1.5	46	-0.001
5336	WA561	35.9124	78.7457	7.0	110	0.070	16	4400	58	2630	39	5190	6.2	0.6	48	-0.001
5337	WA562	35.8238	78.4641	6.5	90	0.205	.	7500	.	.	29	6330	-0.1	2.2	31	-0.001
5338	WA563	35.8757	78.4607	6.1	62	0.349	38	9300	.	.	20	6670	-0.1	5.6	34	-0.001
5339	WA564	35.8686	78.5159	6.1	50	0.129	25	4500	14	.	16	4560	0.6	2.5	39	-0.001
5340	WA565	35.7347	78.6250	6.9	89	0.081	.	5500	.	1030	21	6330	1.5	0.9	20	-0.001
5341	WA566	35.6840	78.6156	6.6	43	0.036	16	4900	26	1550	23	3420	-0.1	0.8	45	-0.001
5342	WA567	35.6420	78.6302	4.8	90	0.069	.	13100	.	.	55	5220	-0.1	0.7	298	-0.001
5343	WA568	35.6001	78.6317	6.8	56	0.300	.	7100	101	.	45	9440	-0.1	5.3	30	-0.001
5344	WA569	35.6426	78.5779	6.2	102	0.037	17	9600	24	.	126	6470	-0.1	0.3	44	-0.001
5345	WA570	35.6866	78.5774	6.7	165	-0.002	.	6600	589	1840	37	8700	-0.1	0.0	52	-0.001
5346	WA571	35.7299	78.5768	6.3	112	-0.002	21	6800	46	.	29	7720	-0.1	0.0	24	-0.001
5347	WA572	35.7257	78.5135	6.3	88	-0.002	.	3900	41	1040	23	4640	0.4	0.0	37	-0.001
5348	WA573	35.6920	78.5249	6.4	60	0.096	.	5200	78	.	26	5200	0.6	1.6	42	-0.001
5349	WA574	35.7340	78.4500	5.8	80	0.164	18	8300	.	.	38	6370	-0.1	2.0	30	-0.001
5350	WA575	35.7842	78.4601	6.2	70	-0.002	21	5200	132	.	23	6210	-0.1	0.0	48	-0.001
5351	WA576	35.7826	78.3985	7.4	190	-0.002	.	3900	1639	1920	40	12210	-0.1	0.0	35	-0.001
5352	WA577	35.7845	78.3492	6.0	60	0.185	11	4200	.	.	21	3760	-0.1	3.0	22	-0.001
5353	WA578	35.8243	78.2899	6.0	60	0.169	12	5500	30	.	24	4500	-0.1	2.8	23	-0.001

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5354	WA579	35.8660	78.2974	5.1	121	0.212	.	9700	28	1300	43	6560	-0.1	1.7	59	-0.001
5355	WA580	35.8673	78.3494	5.7	50	0.008	.	M	.	M	.	M	-0.1	0.1	4	-0.001
5356	WA581	35.8686	78.4066	4.5	80	0.255	21	5700	.	.	6	3530	-0.1	3.1	12	-0.001
5357	WA582	35.9181	78.3936	5.9	70	0.876	.	11300	.	.	104	7600	-0.1	12.5	108	-0.001
5358	WA583	35.9257	78.4547	6.3	40	0.606	27	4500	11	1220	12	7070	0.5	15.1	15	-0.001
5359	WA584	35.9601	78.4616	4.5	118	0.273	15	3900	36	.	8	4030	0.6	2.3	18	-0.001
5360	WA585	35.8276	78.3997	6.0	130	0.943	56	9200	.	2670	91	1990	-0.1	7.2	467	3.070
5361	WA586	35.8269	78.3553	6.2	55	0.137	21	15200	.	.	42	14140	-0.1	2.4	111	0.090
5362	WI501	35.6348	78.1291	7.0	118	0.054	.	4800	.	1600	525	8500	-0.1	0.4	16	-0.001
5363	WI502	35.6810	78.1284	7.3	102	0.034	.	4600	178	1860	207	6150	-0.1	0.3	14	0.060
5364	WI503	35.7334	78.1264	5.2	160	0.036	34	9300	.	4270	21	7450	-0.1	0.2	304	0.630
5365	WI504	35.7318	78.1801	5.8	35	0.027	20	5000	.	.	24	2400	-0.1	0.7	10	-0.001
5366	WI505	35.7383	78.0769	5.8	265	0.032	.	23900	.	7580	187	11810	-0.1	0.1	59	5.990
5367	WI506	35.6850	78.0757	6.1	30	0.050	.	4000	.	.	2	3040	-0.1	1.6	12	-0.001
5368	WI507	35.6422	78.0812	5.5	45	0.056	37	5600	.	.	8	3690	0.2	1.2	11	0.270
5369	WI508	35.6007	78.0755	6.0	100	0.053	.	7700	.	2800	.	6510	-0.1	0.5	10	0.100
5370	WI509	35.5951	78.0112	5.7	101	0.036	22	13300	.	.	10	11380	-0.1	0.3	39	0.150
5371	WI510	35.6382	78.0171	4.8	152	0.207	18	25000	.	1690	19	M	-0.1	1.3	322	-0.001
5372	WI511	35.6805	78.0157	5.8	115	0.022	.	9800	.	1760	40	7010	-0.1	0.1	16	-0.001
5373	WI512	35.7283	78.0202	6.5	282	0.037	219	13800	.	8530	335	12430	1.1	0.1	10	0.070
5374	WI513	35.7770	78.0205	5.8	210	0.117	.	10200	.	5090	133	4310	-0.1	0.5	175	1.020
5621	WY525	35.5019	78.0208	5.9	390	0.060	.	50800	383	.	61	35330	-0.1	0.1	115	-0.001
5632	WY536	35.5434	78.0180	5.3	85	0.031	.	22400	.	.	35	13470	-0.1	0.3	42	-0.001
5633	WY537	35.5661	78.0204	5.6	90	0.043	65	14100	59	.	195	8130	-0.1	0.4	121	-0.001
5634	WY538	35.5739	78.0487	5.0	108	0.040	11	26400	.	.	12	13980	0.4	0.3	108	0.090
5635	WY539	35.5394	78.0514	5.9	189	0.045	16	28400	.	.	.	17120	-0.1	0.2	40	-0.001
5636	WY540	35.5015	78.0825	5.4	180	0.069	.	26800	93	1280	.	16300	-0.1	0.3	420	0.320
5637	WY541	35.5086	78.0493	5.3	128	0.100	.	18200	70	2580	.	9130	-0.1	0.7	263	-0.001

RALEIGH 100K QUADRANGLE - STREAM WATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Al ppb	Br ppb	Cl ppb	Dy ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000
284	WY014	35.5784	78.0497	6.5	90	0.037	149	51	13400	-0.001	.	.	63	13410	0.4	0.41
285	WY015	35.5494	78.0609	6.9	66	0.033	122	.	12700	-0.001	73	.	47	12350	-0.1	0.50
286	WY016	35.5182	78.0520	6.9	21	0.035	235	30	12600	-0.001	98	2030	42	12570	-0.1	1.67