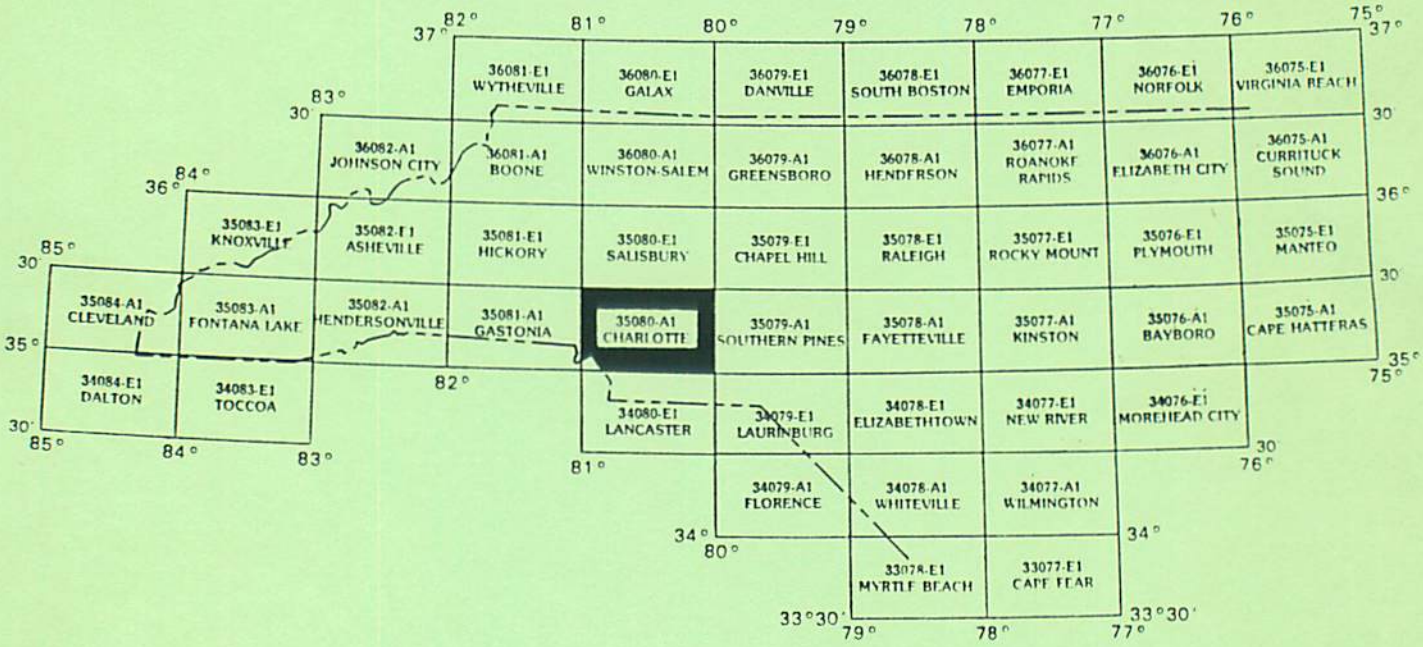
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Charlotte 30 x 60 - Minute Quadrangle -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-14

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 Charlotte 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
AN	Anson
CA	Cabarrus
GA	Gaston
LI	Lincoln
ME	Mecklenburg
MG	Montgomery
RI	Richmond
ST	Stanly
UN	Union

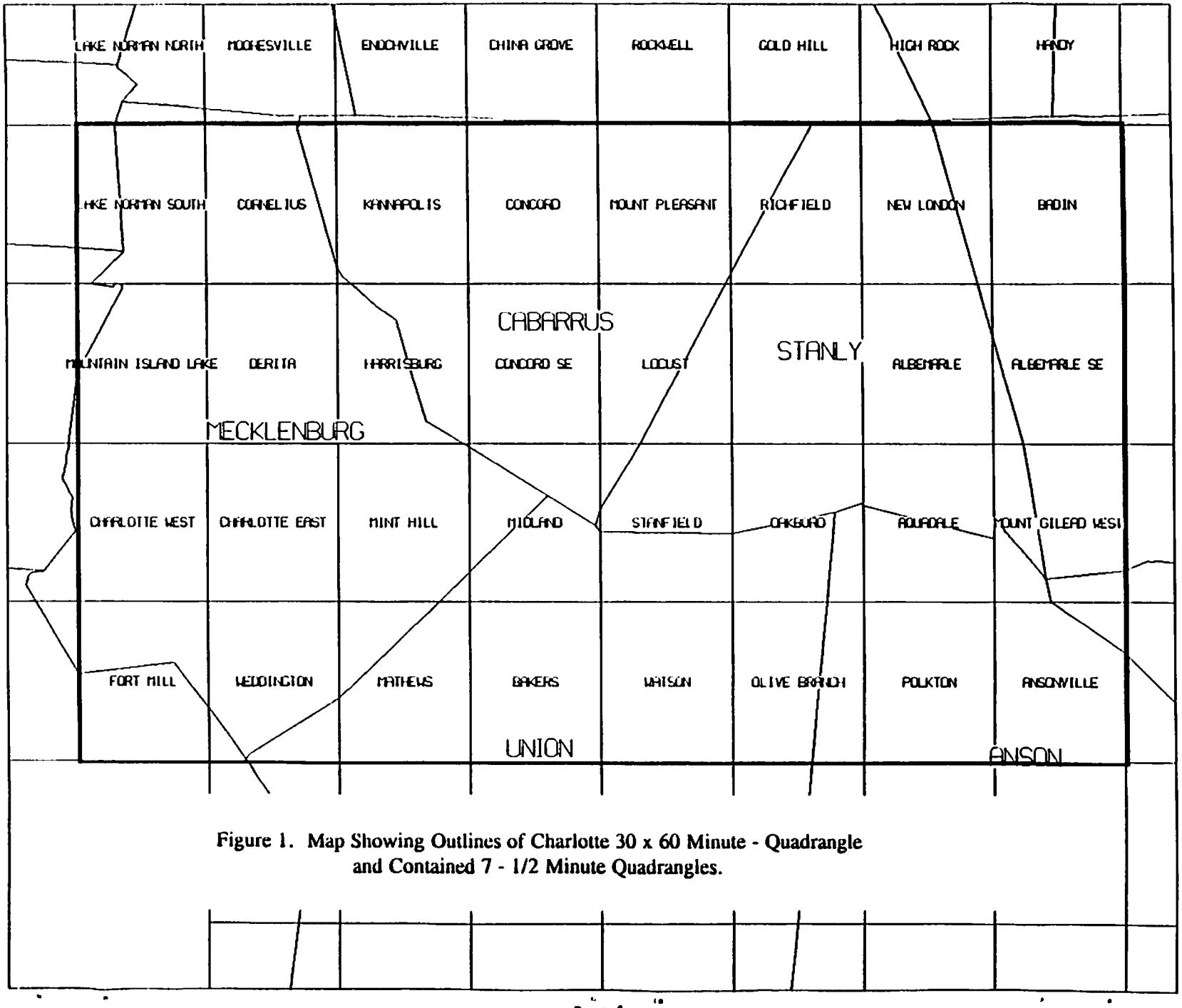

Figure 1. Map Showing Outlines of Charlotte 30 x 60 Minute - Quadrangle and Contained 7 - 1/2 Minute Quadrangles.

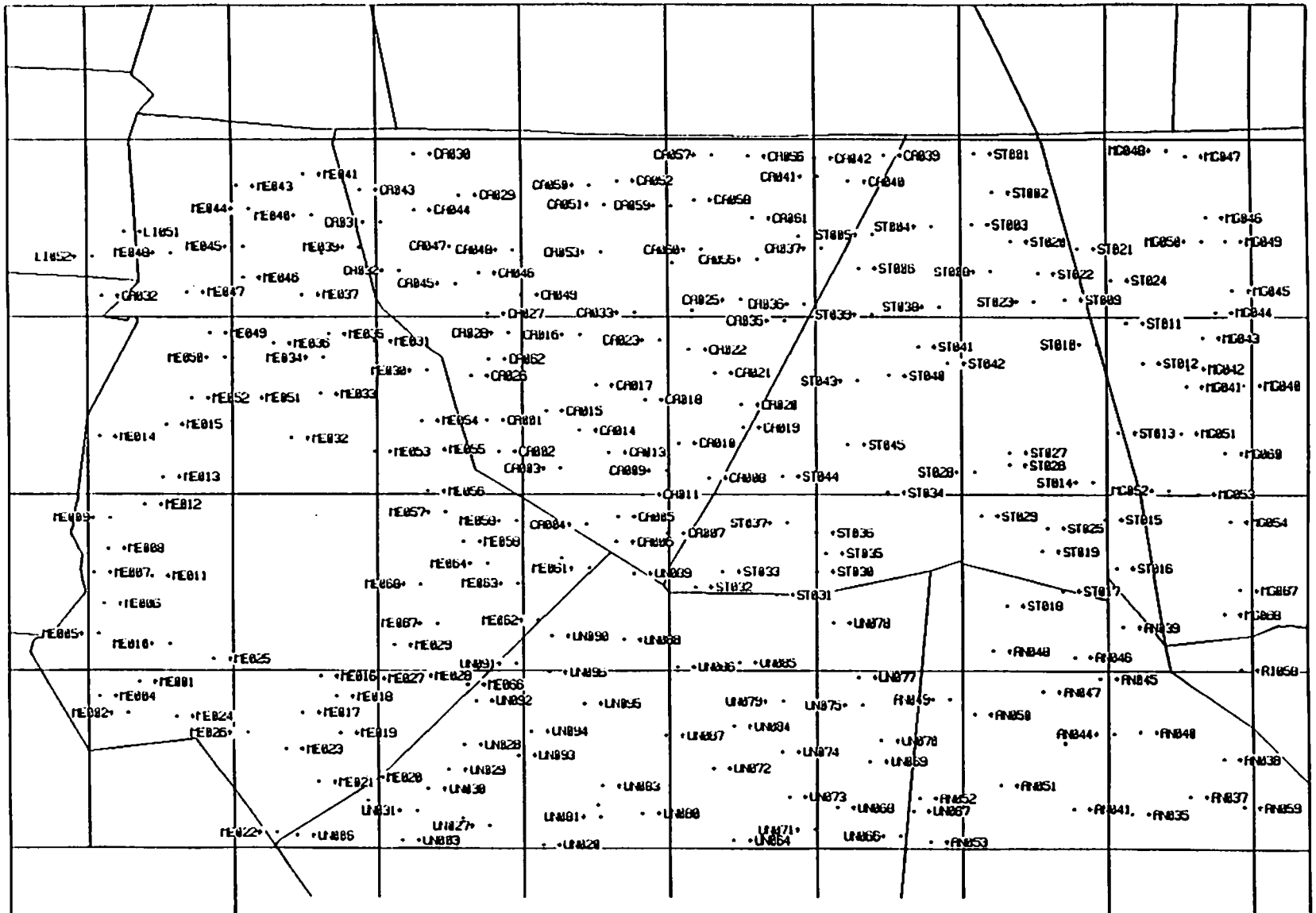

Figure 2. Stream Sediment Sites - Charlotte 30 x 60 Minute - Quadrangle

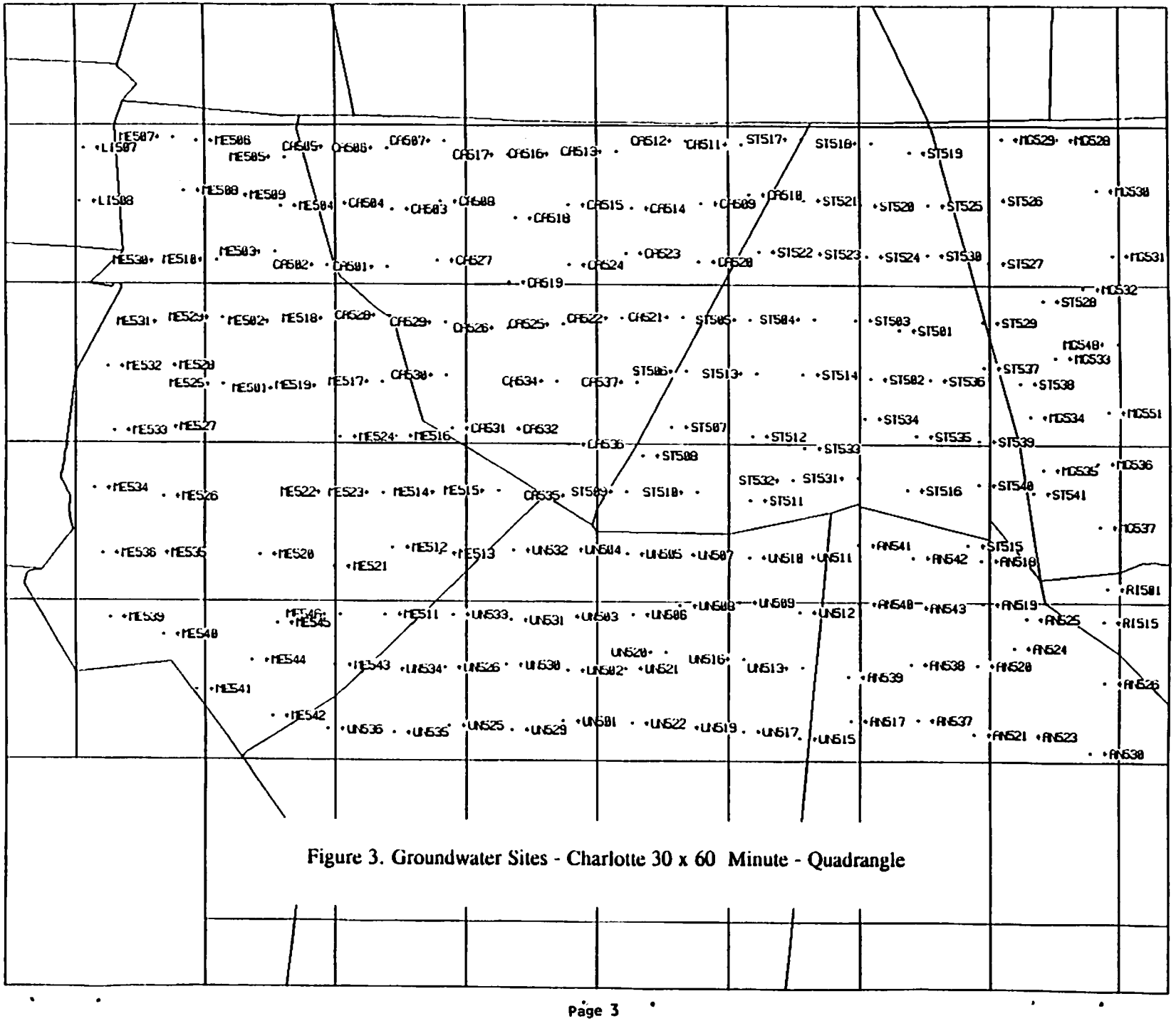

Figure 3. Groundwater Sites - Charlotte 30 x 60 Minute - Quadrangle

CHARLOTTE 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
210	AN035	35.0248	80.1048	6.8	50	3.1	28	26	43800	105	64900	890	10900	9.6	6800	100	5.2	-1.2	48	12	5	0.7	
212	AN037	35.0372	80.0542	7.1	40	2.3	6	23	27100	64	26400	440	10800	4.7	4500	40	1.8	2.2	24	6	3.9	0.4	
213	AN038	35.0636	80.0252	7.0	40	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
214	AN039	35.1557	80.1120	7.0	45	2.8	7	11	27200	100	77100	1680	1600	17.1	2700	50	2.6	7.0	36	9	6.6	0.7	
215	AN040	35.0823	80.0979	6.9	60	3.0	5	33	36100	47	11600	600	13300	7.6	7100	60	2.9	5.5	18	3	4.6	M	
216	AN041	35.0283	80.1544	7.0	55	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
217	AN042	35.0747	80.1620	6.7	42	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
218	AN043	35.0819	80.1492	6.8	60	3.0	11	8	52500	72	36800	730	3500	16.7	7200	70	5.2	1.7	29	7	5	1.2	
219	AN044	35.0813	80.1203	6.8	50	2.1	7	9	44100	47	40600	590	13400	17.4	5100	70	1.8	1.3	20	3	2.7	-0.2	
220	AN045	35.1198	80.1317	6.7	65	2.4	10	8	45500	58	36900	2270	3100	13.2	5000	80	3.4	1.8	27	5	3.7	M	
221	AN046	35.1350	80.1536	6.9	55	2.9	M	6	28200	132	48300	640	800	16.3	2100	50	M	2.4	25	4	3.5	-0.2	
222	AN047	35.1107	80.1807	7.0	65	3.0	7	10	25600	167	89500	1400	1600	15.5	2200	40	2.6	-1.9	43	10	4.4	0.5	
223	AN048	35.1390	80.2237	7.0	90	3.2	11	6	31100	93	58500	1030	1900	21.4	12700	80	4.6	-1.0	20	4	2.8	0.8	
224	AN049	35.1051	80.2607	7.0	70	2.7	16	7	39200	129	62800	1340	3500	17.4	9400	70	M	M	37	9	3	0.4	
225	AN050	35.0944	80.2396	7.0	70	2.8	-3	5	32600	-20	63700	1060	2300	24.3	8600	90	M	-1.0	19	3	2.6	-0.2	
226	AN051	35.0448	80.2174	7.2	42	2.7	12	14	35300	82	37500	710	4200	10.5	11200	70	5.3	1.5	40	8	3.8	0.7	
227	AN052	35.0358	80.2870	6.8	120	2.7	6	7	53100	-20	27600	510	4900	11.5	4600	80	3.5	-1.0	14	M	2.2	-0.2	
228	AN053	35.0054	80.2775	7.0	90	2.6	13	7	47300	60	27100	570	3800	15.4	M	40	2.2	3.1	22	5	4	0.4	
234	AN059	35.0298	80.0081	7.3	50	2.4	26	22	28200	133	37600	520	8800	8.3	7400	60	5.6	1.3	M	M	M	1.3	0.427
823	CA001	35.3026	80.6560	7.9	248	0.8	-3	5	28700	-20	40700	1030	7300	16.6	8400	110	1.0	-1.0	M	M	M	0.7	
824	CA002	35.2801	80.6461	8.2	120	1.7	M	32	36300	M	M	890	9700	18.5	4000	110	2.7	M	M	M	M	M	
825	CA003	35.2682	80.5926	7.8	120	0.9	M	10	30600	M	M	1420	6800	17.1	4500	130	2.0	M	M	M	M	M	
826	CA004	35.2281	80.5704	7.8	130	0.8	-2	2	50200	52	65300	1060	7600	16.1	6100	170	M	1.5	M	M	M	-0.2	
827	CA005	35.2342	80.5441	8.5	265	0.9	-3	5	37400	-20	39600	870	12800	14.3	4300	120	2.3	-1.0	11	M	M	-0.3	
828	CA006	35.2160	80.5451	8.3	120	1.0	-2	5	33000	30	34800	930	8300	11.0	4000	100	M	-1.0	M	M	M	0.7	
829	CA007	35.2220	80.5018	7.3	165	1.4	5	8	31700	-20	39600	800	8100	13.1	9000	100	5.3	-1.0	M	M	M	M	
830	CA008	35.2615	80.4664	7.4	80	1.7	6	9	24700	22	20500	260	2500	7.8	8000	50	1.8	0.9	M	M	6	M	
831	CA009	35.2668	80.5023	7.4	140	2.2	5	6	35700	-20	30100	470	9200	9.8	1800	80	M	3.7	M	M	5.5	-0.3	
832	CA010	35.2860	80.4920	M	M	1.3	7	2	48500	39	62400	1030	5800	19.0	4300	150	2.1	3.7	18	M	M	0.7	
833	CA011	35.2500	80.5226	M	M	1.5	5	5	13700	-20	40300	280	1900	11.6	900	30	1.1	0.7	27	M	M	M	
834	CA012	35.2655	80.5473	7.9	185	1.3	4	5	36200	34	38900	1330	8300	10.3	3800	110	4.0	-1.0	32	M	M	-0.2	
835	CA013	35.2796	80.5515	7.7	105	1.6	-2	8	25900	30	25200	690	5700	13.2	2600	80	1.7	-1.0	M	M	M	-0.3	
836	CA014	35.2953	80.5766	7.6	185	1.2	-2	10	33000	-20	35300	780	5400	25.4	3700	130	2.3	2.6	M	M	14.5	-0.2	
837	CA015	35.3091	80.6052	8.0	280	3.0	19	90	25300	116	202600	4080	5900	16.9	59600	710	1.9	-1.0	26	M	M	-0.3	
838	CA016	35.3627	80.5757	7.6	210	0.9	4	11	48000	46	38900	980	17900	20.3	4500	120	2.0	5.3	25	M	M	-0.2	0.313
839	CA017	35.3271	80.5625	7.7	120	1.5	-3	7	42600	45	62600	1100	10700	17.1	4400	150	2.6	1.1	43	M	M	-0.3	
840	CA018	35.3170	80.5202	7.9	170	18.4	33	52	48300	82	45000	770	14000	13.0	4200	110	2.5	1.7	28	M	M	0.6	
841	CA019	35.2975	80.4375	M	M	2.0	-3	8	34200	41	23100	560	2600	10.7	6900	60	2.9	2.0	M	M	9.4	-0.3	7.078

CHARLOTTE 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
842	CA020	35.3135	80.4387	M	M	2.2	-2	8	42100	75	39400	980	6400	13.2	16600	90	4.3	1.5	57	M	2.6	0.4	
843	CA021	35.3358	80.4609	7.8	68	1.7	-3	5	44000	-20	40500	2280	3700	17.4	4000	100	2.9	3.1	19	M	M	-0.3	
844	CA022	35.3524	80.4829	7.7	200	1.0	-1	5	47400	-20	50900	1520	10500	17.1	9100	140	3.7	-1.0	44	M	M	-0.2	
845	CA023	35.3589	80.5073	7.8	155	5.8	21	11	38800	77	45400	790	8800	14.1	5000	130	2.2	0.6	38	M	4.6	0.7	
846	CA024	35.3796	80.4801	7.8	105	2.0	6	11	41000	55	53700	1180	7200	17.2	6000	150	M	-1.0	13	M	M	-0.2	
847	CA025	35.3870	80.4389	7.9	145	3.1	10	7	36300	-20	29600	790	10600	12.8	4600	80	M	-1.0	M	M	M	-0.3	
848	CA026	35.3337	80.6697	7.4	100	1.8	4	29	55200	161	67700	2540	12900	16.0	11000	150	2.2	2.8	53	M	5.5	0.6	
849	CA027	35.3775	80.6551	M	M	0.9	7	71	51000	-20	163800	5120	18400	39.0	M	440	4.7	0.9	M	M	4.6	M	
850	CA028	35.3639	80.6373	M	M	0.9	-2	17	52200	-20	192500	4350	17900	41.4	M	530	3.0	-1.6	34	M	M	0.8	
851	CA029	35.4605	80.6789	7.4	90	1.8	-3	29	50700	-20	67300	1330	12400	21.2	4300	170	0.8	1.1	57	M	M	-0.3	
852	CA030	35.4894	80.7168	7.4	60	6.0	12	68	54500	47	60600	1260	8900	17.4	12500	200	M	2.6	M	M	7.6	0.7	
853	CA031	35.4417	80.7464	7.4	80	3.0	9	33	58600	39	48400	1910	11500	40.2	3200	140	1.3	-1.0	89	M	6.3	0.7	0.442
854	CA032	35.4076	80.7306	7.4	195	4.3	13	69	51400	66	97600	2320	10100	34.5	17500	250	3.2	2.4	M	M	M	0.6	
855	CA033	35.3780	80.5293	7.4	92	7.6	18	18	55000	73	39800	680	12800	15.1	M	90	M	1.3	M	M	M	-0.3	
856	CA034	35.3812	80.4158	M	M	5.7	20	13	66700	184	52400	1390	31100	13.8	6000	100	2.4	3.7	84	M	M	M	
857	CA035	35.3725	80.4017	6.7	60	2.9	14	8	50500	68	36900	990	4800	13.6	9600	90	4.3	2.6	41	M	M	-0.3	
858	CA036	35.3841	80.3842	M	M	3.0	11	7	60600	52	37500	1030	3800	17.6	7500	110	3.6	0.9	79	M	M	-0.2	
859	CA037	35.4234	80.3692	M	M	2.5	8	6	57600	-20	74900	1970	3000	16.5	7900	140	M	0.9	26	M	M	0.6	
860	CA038	35.4319	80.3889	M	M	4.5	19	8	67200	159	57100	1270	12000	17.0	5400	120	2.2	2.9	49	M	6.8	-0.2	
861	CA039	35.4888	80.3156	7.6	800	2.5	14	3	67800	148	70300	1030	17600	22.9	4400	100	3.3	1.8	M	M	M	-0.3	
862	CA040	35.4704	80.3458	M	M	3.9	21	5	58500	151	54000	1410	17500	16.9	3900	110	2.4	5.5	73	M	M	0.5	
863	CA041	35.4738	80.3721	7.5	80	1.7	6	3	43800	41	34100	600	13900	12.7	3400	80	1.4	-1.0	33	M	5.4	-0.3	
864	CA042	35.4865	80.3744	7.5	120	1.4	-2	6	63900	55	76100	1520	8900	27.3	5400	210	M	-1.0	33	M	5	0.5	
865	CA043	35.4641	80.7644	7.7	72	3.6	16	58	55200	74	138400	2510	7300	24.6	25100	380	1.5	2.2	M	M	M	0.8	
866	CA044	35.4502	80.7175	7.6	80	5.4	8	90	48400	88	88400	1780	10100	16.3	17100	220	4.0	1.7	24	M	M	0.5	
867	CA045	35.3985	80.6825	7.5	125	3.0	12	31	57600	146	198800	7190	11000	40.8	M	420	4.1	7.2	65	M	M	1.9	0.527
868	CA046	35.4059	80.6629	7.6	115	2.3	-2	35	60600	239	175500	6390	23700	25.6	65000	320	6.1	5.3	67	M	M	-0.2	
869	CA047	35.4249	80.6723	7.7	116	1.6	-3	20	62600	-20	219700	3120	17900	23.9	19700	480	M	5.5	M	M	M	-0.3	
870	CA048	35.4223	80.6331	7.6	140	1.8	5	23	62800	113	156300	3930	18500	23.0	35500	350	3.6	2.2	21	M	M	0.5	
871	CA049	35.3905	80.6262	7.5	120	6.3	32	635	53300	2210	165900	11620	13200	22.5	M	320	12.5	10.1	982	M	24.3	4.7	
872	CA050	35.4676	80.5665	M	M	1.8	-2	5	56700	50	51900	770	22600	12.3	2400	100	M	-1.0	M	M	M	-0.2	
873	CA051	35.4541	80.5538	7.1	100	12.2	35	4	37600	269	73100	240	3800	9.4	600	40	M	5.9	137	M	6.8	-0.3	
874	CA052	35.4709	80.5434	7.0	150	8.3	19	50	51200	119	75300	1210	14200	10.8	5100	180	3.0	1.7	46	M	3.4	M	
875	CA053	35.4207	80.5574	M	M	7.9	15	8	67700	103	18300	230	14900	6.0	800	30	M	-1.0	28	M	M	0.6	
876	CA054	35.4134	80.4966	7.5	130	6.6	11	18	19300	74	40800	200	4700	9.4	800	30	0.9	1.8	29	M	3.8	-0.2	
877	CA055	35.4156	80.4247	7.5	130	1.5	7	4	20700	-20	64400	220	4500	24.4	1500	50	M	-1.0	M	M	M	-0.3	
878	CA056	35.4879	80.4316	7.6	150	1.2	2	13	42700	53	65200	1900	9100	19.0	12800	220	1.5	-1.0	M	M	M	0.6	
879	CA057	35.4890	80.4622	7.8	150	4.3	-3	18	49100	50	71900	1650	8700	28.9	8300	230	2.6	-1.0	13	M	M	-0.3	

CHARLOTTE 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
880	CA058	35.4573	80.4778	7.5	155	6.7	12	32	47100	106	40200	1270	13100	14.2	3900	110	2.0	2.6	54	M	M	0.5	
881	CA059	35.4535	80.4972	7.6	120	2.7	-2	8	42600	83	41100	1330	9900	17.1	5000	110	5.0	1.5	M	M	M	-0.3	
882	CA060	35.4226	80.4716	7.3	100	3.1	6	12	40400	27	36400	970	9700	10.2	4600	100	2.9	1.1	M	M	3.5	-0.2	
883	CA061	35.4445	80.4284	7.3	220	1.1	-3	5	47700	-20	60300	1690	10200	26.8	9700	210	1.0	7.0	M	M	M	-0.2	
884	CA062	35.3454	80.6544	M	M	1.0	-2	17	56800	116	170600	5460	17000	42.0	M	460	1.3	2.2	M	M	M	0.4	
2276	GA032	35.3898	80.9877	7.7	90	2.9	17	71	38800	83	100200	2260	7000	17.7	19200	350	4.8	-1.0	31	6	3	1.5	
3549	L1051	35.4351	80.9681	7.5	75	2.7	M	26	M	M	M	M	M	12.8	M	M	3.1	M	32	M	M	M	
3550	L1052	35.4175	80.9954	7.7	80	2.7	8	49	16500	-20	67600	520	2800	23.5	4000	80	2.1	5.9	M	16	4.2	-0.3	0.352
3868	ME001	35.1171	80.9563	7.7	210	5.5	-3	198	51300	166	217100	5430	17600	34.4	M	530	7.1	3.1	51	M	16.6	3.1	
3869	ME002	35.0950	80.9660	7.4	230	9.8	15	493	47000	-20	206600	6440	15000	39.3	M	450	7.0	2.9	34	M	26.4	4.2	0.427
3870	ME003	35.0956	80.9942	7.7	75	7.6	40	206	45600	234	227900	7770	8000	19.8	M	550	M	2.2	74	M	7.9	-0.3	
3871	ME004	35.1069	80.9907	7.3	220	3.5	12	138	45900	123	207100	6270	12900	37.0	73000	510	1.7	2.8	M	M	17.1	1.8	0.256
3872	ME005	35.1506	80.9912	7.6	210	3.2	10	97	32600	77	298500	8160	8600	39.9	M	930	3.3	3.7	20	M	9.2	2	0.298
3873	ME006	35.1720	80.9866	7.7	105	2.6	12	8	32100	52	76400	530	1100	23.2	1900	50	M	0.7	28	M	M	-0.2	
3874	ME007	35.1941	80.9952	7.4	105	2.2	6	24	50900	-20	162400	1730	7600	26.3	6500	430	3.7	1.5	34	M	6.6	-0.3	
3875	ME008	35.2112	80.9828	7.4	100	2.3	8	22	56300	90	93200	1570	9400	22.4	7300	180	2.6	2.9	14	M	M	0.8	
3876	ME009	35.2332	80.9811	7.3	170	2.3	-3	6	26600	-20	81800	370	2300	22.2	1100	60	M	0.9	48	M	M	-0.3	
3877	ME010	35.1437	80.9302	7.9	134	2.8	-2	54	49600	102	158300	4410	11700	23.6	34300	460	10.6	1.5	36	M	M	0.6	
3878	ME011	35.1917	80.9451	7.9	130	3.1	10	11	42600	53	70400	1040	4500	14.1	5000	140	4.1	1.1	13	M	M	M	
3879	ME012	35.2426	80.9510	7.0	110	2.4	8	26	56400	52	79300	750	5300	25.0	5000	210	5.8	1.8	M	M	3	-0.2	
3880	ME013	35.2623	80.9352	7.5	130	1.5	-3	14	49900	-20	48800	990	13100	25.5	2700	130	M	4.6	M	M	M	-0.3	
3881	ME014	35.2907	80.9900	7.6	150	1.5	7	20	57100	26	62600	1510	15400	26.6	5300	180	2.2	-1.0	29	M	M	M	
3882	ME015	35.2996	80.9324	7.5	315	2.4	11	14	56600	-20	55200	1010	10200	22.2	6500	170	2.5	-1.0	16	M	M	-0.2	
3883	ME016	35.1210	80.8004	7.5	180	2.3	6	20	54600	55	60200	1020	17400	19.4	4300	150	1.7	-1.0	17	M	M	-0.2	
3884	ME017	35.0956	80.8157	7.6	235	10.9	27	191	54600	32	191700	4510	13400	38.9	32300	510	2.3	3.5	23	M	M	2.3	0.233
3885	ME018	35.1067	80.7865	7.4	208	5.6	9	68	64600	90	83400	2580	16200	19.1	19300	220	3.0	-1.0	36	M	M	0.7	
3886	ME019	35.0813	80.7832	7.4	195	4.1	8	55	42000	-20	80300	1770	11200	17.9	15700	230	1.9	2.8	M	M	M	0.9	
3887	ME020	35.0501	80.7608	6.4	72	5.3	20	9	52600	82	67800	310	1600	15.8	3400	80	2.9	2.8	38	M	7	0.8	
3888	ME021	35.0466	80.8024	7.0	120	4.9	-3	212	17800	68	152600	2000	6100	42.5	14100	80	M	1.5	M	M	14.3	2.5	
3889	ME022	35.0111	80.8389	7.4	105	1.3	-2	27	35100	-20	86300	2820	10100	14.7	44500	240	2.1	-1.0	M	M	4.2	M	0.232
3890	ME023	35.0700	80.8303	7.4	90	4.5	14	66	56500	99	104300	3880	14300	19.6	18000	250	4.6	2.0	22	M	M	-0.3	
3891	ME024	35.0930	80.9243	7.2	345	4.0	11	57	51800	197	158300	3660	14300	23.7	30400	220	5.5	-1.0	65	M	5.9	0.9	
3892	ME025	35.1333	80.8918	7.6	205	5.7	25	87	60100	-20	247600	3020	16100	38.8	29100	520	5.9	3.3	18	M	M	1	0.331
3893	ME026	35.0816	80.8636	7.7	190	5.8	12	61	63300	155	160900	3010	12400	33.1	18700	420	5.4	4.0	42	M	10.8	1.4	
3894	ME027	35.1195	80.7589	7.6	155	1.4	-3	20	50000	97	59000	1020	17400	19.3	5500	150	M	0.9	M	M	13.7	-0.3	
3895	ME028	35.1216	80.7187	8.0	130	1.3	8	6	64200	60	60200	1460	17500	23.1	5500	180	2.1	1.3	53	M	4.2	0.5	
3896	ME029	35.1430	80.7357	8.0	120	2.1	11	20	47200	66	47000	1400	12800	20.5	7300	130	3.9	-1.0	20	M	M	1	
3897	ME030	35.3373	80.7068	7.1	138	2.1	10	8	66800	113	91900	1290	20900	21.3	4700	200	M	-1.0	35	M	M	-0.2	0.212

CHARLOTTE 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
3898	ME031	35.3581	80.7522	M	M	1.9	5	20	45500	62	52800	1380	9100	20.3	5800	140	2.1	1.3	40	M	M	-0.3	
3899	ME032	35.2895	80.8243	7.3	110	2.4	5	32	50400	52	46400	2020	14200	12.2	9500	120	5.6	-1.0	M	M	M	0.8	
3900	ME033	35.3211	80.7995	7.4	95	1.7	6	11	47800	44	51800	950	10900	25.0	4000	130	1.0	1.5	M	M	M	1.1	
3901	ME034	35.3464	80.7971	7.6	105	3.1	5	75	33500	29	53400	1360	8300	13.2	11400	130	M	-1.0	M	M	M	0.6	
3902	ME035	35.3632	80.7923	7.3	142	2.5	5	71	14700	53	34200	300	2100	14.0	2300	40	0.6	-1.0	M	M	M	-0.2	
3903	ME036	35.3568	80.8398	7.3	96	2.2	9	54	34600	43	66300	1200	6900	13.3	11800	140	M	-1.0	M	M	M	0.6	
3904	ME037	35.3907	80.8148	7.5	85	2.2	15	62	45000	-20	45400	1040	16000	13.0	6900	110	M	-1.0	M	M	M	-0.2	
3905	ME038	35.4204	80.7976	8.0	120	3.8	-2	141	46700	36	91800	2250	7500	41.2	9800	380	1.9	0.7	M	M	M	1.3	
3906	ME039	35.4243	80.7651	7.9	125	1.7	-2	31	51100	37	46200	1700	9800	46.6	3700	150	2.6	0.9	M	M	M	2	
3907	ME040	35.4467	80.8067	7.5	130	3.3	8	106	51800	52	69700	1410	8100	57.3	2200	210	5.5	1.5	M	M	M	1.4	
3908	ME041	35.4756	80.8134	7.4	115	2.1	13	32	53500	-20	68200	1090	10000	41.8	1000	190	4.1	-1.0	M	M	M	-0.2	
3910	ME043	35.4671	80.8710	7.5	252	2.1	9	38	44600	-20	31800	590	7800	34.0	M	100	M	0.9	M	M	M	-0.2	
3911	ME044	35.4514	80.8609	7.8	98	3.0	13	86	51100	32	57300	1420	9800	37.8	1400	190	4.6	-1.0	M	M	M	1.2	
3912	ME045	35.4250	80.8661	7.8	110	3.3	10	105	45100	-20	107100	1230	7600	34.0	4200	370	6.5	0.7	M	M	M	0.8	0.356
3913	ME046	35.4027	80.8661	7.7	120	1.9	10	48	44100	75	104900	2030	14400	27.1	14600	430	M	0.6	M	M	M	0.5	
3914	ME047	35.3927	80.9138	7.8	120	1.3	-2	21	42200	65	88400	2700	11000	36.2	17300	320	M	0.7	M	M	M	-0.2	
3915	ME048	35.4204	80.9283	7.6	95	1.7	8	61	39600	-20	149000	2770	8200	16.4	26000	510	0.9	-1.0	M	M	M	0.4	0.313
3916	ME049	35.3640	80.8946	7.8	155	1.0	6	14	48200	78	82800	1650	10700	39.1	10100	250	1.8	1.7	M	M	M	-0.2	
3917	ME050	35.3465	80.8820	8.2	125	3.1	37	94	44100	197	113500	2610	8200	19.4	15500	380	3.9	1.5	M	M	M	0.6	
3918	ME051	35.3184	80.8642	7.4	390	1.9	4	51	38700	30	84200	1360	5700	24.7	7000	230	1.6	2.4	M	M	M	-0.2	
3919	ME052	35.3182	80.9099	7.9	165	1.9	-2	22	52400	65	69600	1450	9500	21.2	7300	170	0.8	3.1	M	M	M	0.5	
3920	ME053	35.2800	80.7531	7.9	130	2.9	15	56	46900	142	76200	1220	14000	27.4	4200	200	2.8	1.5	M	M	M	-0.2	
3921	ME054	35.3023	80.7118	7.7	120	1.7	5	14	41800	39	37700	1120	10000	18.5	5000	100	1.1	2.2	M	M	M	M	
3922	ME055	35.2816	80.7063	7.6	98	1.6	-1	26	36800	-20	19700	890	13800	12.9	3700	70	2.7	0.7	M	M	M	0.4	
3923	ME056	35.2520	80.7070	7.8	80	7.5	59	167	42400	278	83600	2820	10300	25.3	13200	250	2.5	2.2	M	M	M	2.1	
3924	ME057	35.2372	80.6915	7.6	105	6.3	26	265	38100	110	128400	3330	7200	39.2	17900	430	3.8	3.1	M	M	M	2.3	
3925	ME058	35.2162	80.6767	7.5	115	1.9	6	17	52700	34	71000	2250	8700	20.5	5900	140	2.2	1.1	M	M	M	-0.2	
3926	ME059	35.2310	80.6312	7.6	90	1.6	9	23	32600	-20	43500	1580	7300	12.1	7800	100	1.4	-1.0	M	M	M	-0.2	
3927	ME060	35.2046	80.5925	7.5	95	1.4	-2	12	35400	34	39200	960	8800	13.9	6400	120	1.7	-1.0	M	M	M	M	
3928	ME061	35.1972	80.5686	7.6	200	1.4	4	5	39700	-20	30800	650	9600	13.1	5500	100	1.7	0.7	M	M	M	-0.2	
3929	ME062	35.1604	80.6126	7.8	108	0.9	3	5	27900	24	29400	500	11100	9.3	2600	70	1.6	0.6	M	M	M	-0.2	
3930	ME063	35.1865	80.6300	7.7	98	4.3	6	46	38300	-20	53500	2210	9000	11.8	9400	140	1.9	-1.0	M	M	M	0.9	
3931	ME064	35.2005	80.6561	7.6	90	1.7	5	12	41000	-20	36300	1420	8900	11.0	6000	100	1.9	2.2	M	M	M	0.4	
3932	ME065	35.1330	80.6694	7.7	95	1.2	-2	12	31100	46	23700	1060	7700	9.8	4500	100	2.1	-1.0	M	M	M	-0.2	
3933	ME066	35.1154	80.6738	7.7	88	2.3	-1	27	30900	21	26400	560	10100	14.7	4600	70	4.2	0.6	M	M	M	0.4	
3934	ME067	35.1583	80.6989	8.1	120	2.1	6	21	41600	18	39500	1470	9500	16.6	7500	110	2.4	0.6	M	M	M	-0.2	
3935	ME068	35.1860	80.7130	7.9	125	2.1	5	29	51300	22	52500	1720	9400	23.0	6800	160	4.0	-1.0	M	M	M	0.4	
3975	MG040	35.3273	80.0068	6.1	58	1.6	8	10	25300	56	11700	130	3500	3.5	1700	10	0.9	-1.0	20	3	3.5	0.2	

CHARLOTTE 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
3976	MG041	35.3264	80.0563	6.4	42	1.7	-2	6	20400	32	29200	280	2300	9.8	1000	20	M	-1.0	12	2	4.6	-0.2	
3977	MG042	35.3390	80.0547	6.7	49	1.7	5	4	8000	-24	51200	240	1500	13.7	600	20	1.4	-1.0	17	4	M	-0.3	
3978	MG043	35.3606	80.0418	6.6	60	4.7	11	34	85900	42	44300	2500	6900	13.0	8000	120	M	M	21	4	M	1.1	
3979	MG044	35.3784	80.0307	6.9	49	5.9	9	49	90500	-33	58800	1310	10200	21.6	7700	150	M	M	43	8	M	1	
3980	MG045	35.3936	80.0161	6.8	60	4.5	15	28	105100	41	69600	1490	21900	25.8	7800	170	1.0	-1.0	34	7	7.9	1.3	
3981	MG046	35.4453	80.0386	6.7	60	5.0	22	11	116500	86	89700	2170	11500	44.3	12200	310	M	3.8	50	11	10.6	1.3	
3982	MG047	35.4883	80.0559	6.8	100	3.3	-2	12	116600	82	78700	2020	7700	25.3	6700	260	M	-1.8	34	11	M	0.6	
3983	MG048	35.4921	80.0729	M	M	4.4	15	12	150300	106	124900	7490	10700	45.0	10700	620	M	-1.0	46	10	M	0.7	
3984	MG049	35.4287	80.0223	M	M	4.8	17	11	85100	98	55200	1240	6400	28.0	7100	120	M	-1.0	38	12	7.3	1	
3985	MG050	35.4287	80.0428	6.8	91	2.1	8	8	80000	34	83800	1530	10300	42.5	7400	440	M	-1.2	29	6	9.4	0.7	
3986	MG051	35.2939	80.0611	6.8	48	5.2	16	63	70200	70	-5000	1050	19700	11.9	6300	50	6.5	-1.5	M	M	M	M	
3987	MG052	35.2532	80.0719	6.1	39	5.4	19	16	128900	89	82300	2390	4600	23.9	9600	210	1.1	-1.0	45	7	8.3	0.9	
3988	MG053	35.2505	80.0460	5.9	65	5.2	30	25	101500	118	86200	2890	4300	22.7	7400	180	M	-1.0	48	12	M	0.6	
3989	MG054	35.2307	80.0181	6.8	90	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
3995	MG060	35.2792	80.0227	6.3	45	3.7	11	26	69800	-20	31000	870	14300	7.0	5300	40	M	-1.0	20	3	M	1.1	
4002	MG067	35.1822	80.0098	6.2	73	9.3	36	44	156400	137	143700	2780	4300	27.1	17000	310	M	-1.0	100	14	6.3	1.5	
4003	MG068	35.1648	80.0236	6.6	121	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5217	R1058	35.1260	80.0096	6.2	80	2.7	14	20	31100	37	28400	390	3500	5.8	5600	60	1.4	2.8	18	4	2.7	0.7	
5611	ST001	35.4900	80.2378	7.6	50	2.9	10	7	57900	53	39800	1620	2800	16.0	5500	110	M	1.5	47	4	M	-0.2	
5612	ST002	35.4627	80.2225	7.3	70	1.6	5	6	31600	34	21200	390	3400	6.6	2400	80	2.4	1.8	30	39	M	-0.2	
5613	ST003	35.4403	80.2403	7.4	125	1.4	6	7	37000	-20	42300	3560	6100	14.5	2900	100	1.4	3.3	M	M	M	-0.2	
5614	ST004	35.4389	80.2751	7.4	230	2.4	M	2	M	4	-5000	M	M	13.0	M	M	4.2	-1.0	M	M	M	M	
5615	ST005	35.4330	80.3255	7.5	100	2.5	7	6	57100	65	48100	1220	4000	17.0	6100	130	4.5	0.6	M	43	M	1.1	
5616	ST006	35.4094	80.3377	7.4	70	2.5	M	5	M	-20	7200	M	M	14.9	M	M	2.1	-1.0	M	M	4.1	-0.2	
5617	ST007	35.4102	80.2652	7.3	185	1.7	9	6	40100	21	32100	560	4600	10.9	3000	60	M	-1.0	M	M	5.2	0.7	
5618	ST008	35.4071	80.2241	7.5	80	1.5	5	7	32200	-20	15900	470	2800	7.5	2700	70	M	-1.0	29	M	5	0.2	
5619	ST009	35.3876	80.1602	7.3	80	1.9	7	12	36400	40	28500	970	4100	12.3	7000	70	2.5	2.6	61	M	M	0.2	
5620	ST010	35.3564	80.1328	7.3	90	2.7	M	5	M	10	7100	M	M	1.2	M	M	M	-1.0	M	1	M	M	
5621	ST011	35.3712	80.1081	7.4	120	2.7	10	6	22800	69	72100	590	1900	17.9	1300	50	1.7	-1.0	17	M	M	-0.2	
5622	ST012	35.3429	80.0941	7.6	80	2.5	-2	7	58100	44	54700	2380	4500	20.7	21500	320	1.3	0.7	12	M	2.5	M	
5623	ST013	35.2942	80.1150	7.6	100	1.9	5	5	59000	-20	75600	2660	3200	25.5	4100	210	5.4	4.2	24	80	M	M	
5624	ST014	35.2587	80.1364	7.5	145	2.2	2	5	M	-20	9100	M	M	21.1	M	M	2.1	-1.0	24	1	M	M	
5625	ST015	35.2324	80.1265	7.7	130	2.8	20	12	44800	88	55700	770	7300	13.6	5100	110	3.6	1.8	47	8	8.4	0.9	4.954
5626	ST016	35.1976	80.1171	7.8	105	2.8	-2	9	56800	67	58400	1510	5100	22.0	6700	250	1.8	1.7	43	M	8.6	0.4	
5627	ST017	35.1814	80.1632	7.7	90	2.9	10	5	62300	72	57800	1220	4500	13.1	5900	110	2.9	4.2	M	M	M	-0.2	
5628	ST018	35.1711	80.2120	7.4	100	2.7	M	7	M	M	M	M	M	6.5	M	M	M	M	M	M	2.4	M	
5629	ST019	35.2094	80.1807	7.5	115	2.7	11	6	61700	69	50900	850	2800	14.6	3400	80	2.7	1.1	24	57	4.8	-0.2	
5630	ST020	35.4285	80.2070	7.8	75	1.7	4	2	23900	39	34400	560	2000	14.9	2200	70	1.9	-1.0	39	M	M	0.6	

CHARLOTTE 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
5631	ST021	35.4236	80.1492	7.3	70	2.0	6	12	39200	-20	34300	330	3000	8.4	3900	80	2.3	1.5	27	M	M	0.4	
5632	ST022	35.4058	80.1836	7.3	70	1.8	1	10	M	-20	-5000	M	M	3.1	M	M	M	-1.0	22	M	M	M	
5633	ST023	35.3860	80.1872	7.6	80	1.6	6	5	30400	-20	38900	640	4200	12.0	4100	80	4.0	1.7	19	M	M	0.7	
5634	ST024	35.4011	80.1211	7.7	115	2.4	8	9	61100	58	36700	930	1500	10.9	6200	70	2.5	-1.0	28	M	M	-0.2	
5635	ST025	35.2260	80.1762	7.3	90	2.8	12	4	65400	60	66400	1030	5300	19.1	2900	100	3.4	1.1	23	M	5.6	M	
5636	ST026	35.2708	80.2090	7.3	110	3.2	M	5	M	M	M	M	M	20.4	M	M	M	M	M	M	M	M	
5637	ST027	35.2796	80.2084	7.2	90	3.1	15	6	57300	52	62700	2100	6900	16.8	19100	90	3.2	-1.0	38	M	7.1	-0.2	
5638	ST028	35.2659	80.2389	7.3	80	3.0	M	5	57600	M	M	1010	3000	22.0	6900	80	1.9	M	M	M	M	M	
5639	ST029	35.2348	80.2333	7.2	100	1.8	7	4	38100	35	21200	910	2500	8.0	4000	50	M	1.8	35	M	M	0.7	
5640	ST030	35.1951	80.3746	7.5	80	1.9	4	4	44800	73	34900	1800	2200	13.7	13000	70	6.8	1.3	49	M	12	-0.2	
5641	ST031	35.1786	80.4094	7.4	75	1.1	4	8	15700	-20	12200	160	1900	4.5	2900	30	1.9	-1.0	M	M	M	-0.2	
5642	ST032	35.1840	80.4786	7.4	80	1.1	M	7	17800	-20	23200	170	2500	4.6	1900	30	M	-1.0	M	M	M	M	
5643	ST033	35.1951	80.4552	7.4	130	1.6	M	14	17700	M	M	110	1800	5.6	2200	30	2.5	M	M	M	M	M	
5644	ST034	35.2514	80.3138	7.5	90	1.9	M	5	37200	M	M	1030	2800	13.4	10600	60	M	M	M	M	M	M	
5645	ST035	35.2080	80.3667	7.5	65	1.9	6	6	35900	26	40500	650	2300	10.3	7700	50	3.5	-1.0	M	M	3.2	-0.2	
5646	ST036	35.2224	80.3746	7.4	70	1.5	-3	8	31900	31	30500	900	2700	9.1	3400	50	1.9	-1.0	34	M	M	-0.2	
5647	ST037	35.2296	80.4000	7.4	45	1.0	4	10	13600	22	7600	50	2800	2.4	2100	20	1.2	1.1	12	M	M	0.6	
5648	ST038	35.3823	80.2686	7.3	80	1.2	6	4	29600	55	27000	390	2800	8.0	2000	60	1.6	-1.0	29	M	M	-0.2	
5649	ST039	35.3768	80.3264	7.4	80	1.1	2	8	15800	-20	10200	110	1400	3.1	2000	30	M	-1.2	M	M	M	M	
5650	ST040	35.3340	80.3123	7.3	80	1.3	4	7	24500	-20	31800	220	3000	6.0	2100	50	1.3	-1.4	35	M	M	0.9	0.218
5651	ST041	35.3546	80.2871	7.5	85	1.2	4	5	25400	22	18600	360	2100	5.3	1700	40	0.7	0.4	M	M	M	-0.2	
5652	ST042	35.3426	80.2612	7.4	100	0.9	-3	9	17700	28	23700	390	3700	7.0	2400	60	1.3	-1.0	M	M	M	-0.3	
5653	ST043	35.3302	80.3388	7.3	70	1.5	6	10	24600	-20	22300	220	3400	6.4	4400	40	1.3	1.1	M	M	M	0.6	
5654	ST044	35.2627	80.4040	7.4	70	1.3	7	8	21300	-20	12600	100	3400	3.9	3300	30	1.8	-1.0	M	M	M	-0.2	
5655	ST045	35.2852	80.3476	7.5	45	1.5	4	9	25100	-20	24300	270	3100	6.4	3400	50	2.6	-1.0	M	M	M	-0.2	
5915	UN002	35.0341	80.7596	6.6	48	6.0	65	63	44600	264	83700	2080	12100	18.8	13900	150	5.8	1.3	M	M	M	1.8	
5916	UN003	35.0061	80.7297	6.6	50	2.3	11	10	29500	38	13700	950	4900	4.0	4200	20	1.2	-1.0	M	M	M	M	
5919	UN006	35.0092	80.8213	6.6	130	2.1	8	7	31200	67	94300	790	7300	20.0	7700	110	2.6	-1.0	M	M	M	-0.2	
5933	UN020	35.0030	80.6088	6.4	110	2.5	10	6	51800	31	53300	890	2600	16.1	4500	100	M	-1.0	M	M	M	-0.4	
5939	UN026	35.0217	80.6783	6.6	185	4.0	6	M	32400	65	58200	350	3400	39.8	600	130	M	1.8	M	M	M	-0.4	
5940	UN027	35.0163	80.6555	6.6	140	2.4	8	5	51000	36	67700	1500	4200	20.8	15100	150	3.4	4.6	M	M	M	1	
5941	UN028	35.0733	80.6768	6.6	100	1.4	4	6	28300	-20	20200	430	11000	6.5	4800	40	1.4	0.7	M	M	M	-0.4	
5942	UN029	35.0556	80.6900	6.6	70	1.6	4	9	28500	28	35000	820	9100	7.3	10200	50	3.2	-1.0	M	M	M	-0.3	
5943	UN030	35.0421	80.7074	6.6	75	1.6	5	6	49200	38	44200	1270	2600	16.6	7300	120	M	0.9	M	M	M	-0.4	
5944	UN031	35.0269	80.7171	6.6	50	5.3	62	22	9700	345	24800	980	2100	7.7	4900	20	4.1	7.5	M	M	M	-0.3	0.516
5977	UN064	35.0062	80.4464	7.6	120	2.9	-4	7	54700	29	34100	900	5000	16.0	18700	110	2.1	-1.0	M	M	M	-2	
5979	UN066	35.0095	80.3033	7.2	110	2.5	9	9	40600	34	31800	370	7900	12.6	7500	80	3.4	4.8	M	M	M	M	
5980	UN067	35.0271	80.2928	M	M	3.0	-5	7	65300	78	46800	2620	4800	18.0	19400	110	3.8	1.5	M	M	M	M	

CHARLOTTE 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
5981	UN068	35.0291	80.3574	7.0	95	2.3	11	5	59000	25	39600	700	5900	11.6	5100	110	1.2	-1.0	M	M	M	M	
5982	UN069	35.0619	80.3294	7.0	120	2.9	13	5	36900	48	35500	710	4500	11.5	27200	90	1.2	1.1	M	M	M	M	
5983	UN070	35.0764	80.3201	6.8	115	2.2	M	8	48300	-20	30800	630	4000	10.3	6600	90	M	1.5	M	M	M	M	
5984	UN071	35.0137	80.3765	7.0	185	2.5	-6	5	51700	-29	52100	490	4900	12.9	9900	90	2.0	1.3	M	M	M	M	
5985	UN072	35.0567	80.4635	7.0	105	2.5	11	8	52600	-24	29600	600	3800	14.8	11200	110	2.9	-1.0	M	M	M	M	
5986	UN073	35.0367	80.3988	6.7	125	2.1	12	8	35900	52	25600	220	5400	9.0	5500	60	1.4	-1.0	M	M	M	-1.7	
5987	UN074	35.0683	80.4046	6.9	125	2.4	7	6	50900	58	35500	770	5700	13.1	5200	120	1.0	-1.0	M	M	M	M	
5988	UN075	35.1011	80.3360	7.0	120	2.7	12	5	46400	-29	36900	900	7500	15.2	22300	90	1.5	-1.0	M	M	M	-1.7	
5989	UN076	35.1042	80.2912	6.6	110	2.4	-1	5	63300	67	36800	1110	6300	13.9	5900	120	M	M	M	M	M	M	
5990	UN077	35.1207	80.3390	7.0	90	3.3	-7	5	74400	-23	60500	1640	4700	16.6	8200	120	2.4	2.8	M	M	M	M	
5991	UN078	35.1587	80.3606	6.6	115	2.8	-4	8	78500	65	67200	4100	8700	13.8	19200	120	2.0	3.1	M	M	M	M	
5992	UN079	35.1036	80.4043	6.6	120	2.7	-5	5	67400	53	64200	1720	4700	13.0	15400	130	2.2	-1.0	M	M	M	-1.7	
5993	UN080	35.0250	80.5239	7.1	130	2.7	6	8	39100	-20	30000	580	5200	14.7	23900	90	2.1	-1.0	M	M	M	M	
5994	UN081	35.0226	80.5596	6.9	105	2.0	-8	9	39700	32	49900	700	4600	8.0	5500	80	M	0.9	M	M	M	M	
5995	UN082	35.0307	80.5619	7.1	200	2.8	-4	10	34100	40	21300	560	5200	11.2	18800	80	3.5	-1.0	M	M	M	M	
5996	UN083	35.0440	80.5579	7.2	135	2.6	18	9	49100	-20	36200	260	2800	14.6	6400	90	M	-1.0	M	M	M	-1.7	
5997	UN084	35.0861	80.4462	7.1	125	2.3	-3	11	40200	35	11400	460	1900	9.4	4500	70	2.5	-1.0	M	M	M	-0.7	
5998	UN085	35.1308	80.4414	7.1	105	2.8	10	5	56500	88	51800	3040	10900	12.6	38600	110	7.5	2.0	M	M	M	M	
5999	UN086	35.1279	80.4935	7.1	100	2.9	12	7	81700	76	53800	2480	9700	13.9	15600	120	3.2	-1.0	M	M	M	-0.7	
6000	UN087	35.0796	80.5032	7.0	118	2.6	8	7	66900	-20	61700	1180	4400	17.2	13200	140	3.5	M	M	M	M	-0.9	
6001	UN088	35.1468	80.5393	7.0	95	2.3	7	8	57100	57	21800	840	8300	15.3	14500	110	2.8	2.9	M	M	M	-0.7	
6002	UN089	35.1937	80.5301	7.2	100	1.2	-4	6	40900	-20	32300	1140	12500	11.9	6900	110	1.7	1.3	M	M	M	1	
6003	UN090	35.1493	80.6007	7.0	110	1.6	M	8	48300	M	M	580	13700	14.4	3600	80	M	M	M	M	M	M	
6004	UN091	35.1299	80.6315	7.4	86	1.4	-2	10	41300	-20	19400	1020	13400	15.3	5700	100	2.0	3.1	M	M	M	-0.8	
6005	UN092	35.1039	80.6668	7.2	110	1.4	M	5	43100	M	M	600	11600	12.0	3100	100	M	M	M	M	M	M	
6006	UN093	35.0657	80.6300	7.0	105	1.4	-4	8	23900	-20	28300	580	5100	8.2	6600	90	1.4	2.2	M	M	M	1.8	
6007	UN094	35.0825	80.6189	6.7	150	2.2	6	2	61800	37	37100	700	10600	22.7	3400	160	M	2.0	M	M	M	-0.7	
6008	UN095	35.1020	80.5731	7.0	100	1.9	-2	11	31900	-20	23700	500	8900	11.5	8100	80	3.8	-1.0	M	M	M	-0.8	
6009	UN096	35.1241	80.6030	7.3	95	1.7	-3	9	48500	45	28100	1170	12700	12.8	5300	110	3.3	-1.0	M	M	M	-0.3	

CHARLOTTE 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
210	AN035	35.0248	80.1048	.	0.5		.	1.4	.	23	-5	12	750	-5	562	-5	.	17	178	25		-5	-50	5	125	33
212	AN037	35.0372	80.0542	.	0.5		.	1.2	.	13	16	8	4800	9	3700	-5	5	9	423	15		-5	-50	-2	160	18
213	AN038	35.0636	80.0252	.	-0.5		.	0.9	.	10	24	5	3000	7	1750	-5	-5	6	612	-10		5	-50	-2	175	8
214	AN039	35.1557	80.1120	.	0.5		.	2.5	.	31	5	29	11000	24	3200	-5	-5	22	1340	25		35	-50	-2	50	105
215	AN040	35.0823	80.0979	.	0.5		.	1.4	.	12	58	10	5000	9	1900	6	-5	10	711	15		-5	104	2	155	22
216	AN041	35.0283	80.1544	.	0.5		.	1.4	.	15	34	16	6800	21	2200	-5	-5	11	627	40		-5	-50	-2	-5	26
217	AN042	35.0747	80.1620	.	0.5		.	1.3	.	23	16	14	9000	31	3500	-5	-5	18	1350	30		5	-50	-2	10	52
218	AN043	35.0819	80.1492	.	0.5		.	0.8	.	14	26	17	10000	27	2450	-5	-5	11	1070	25		-5	-50	-2	60	40
219	AN044	35.0813	80.1203	.	0.5		.	0.8	.	21	34	11	12200	10	2450	-5	-5	14	610	10		15	72	-2	-5	36
220	AN045	35.1198	80.1317	.	-0.5		.	1.1	.	21	8	15	9800	22	3750	-5	-5	13	1180	25		-5	-50	3	50	38
221	AN046	35.1350	80.1536	.	-0.5		.	1.3	.	27	53	23	12400	29	2650	-5	-5	20	1370	15		15	-50	-2	50	50
222	AN047	35.1107	80.1807	.	0.5		.	1.4	.	43	54	26	12200	24	2500	-5	-5	23	1590	25		-5	-50	-2	50	64
223	AN048	35.1390	80.2237	.	0.5		.	1.5	.	29	14	24	10800	19	4250	-5	-5	28	1210	20		10	-50	-2	60	62
224	AN049	35.1051	80.2607	.	-0.5		.	1.4	.	27	5	16	9800	21	2500	-5	-5	21	1010	25		-5	-50	-2	60	43
225	AN050	35.0944	80.2396	.	1.0		.	1.3	.	33	-5	27	8600	20	3500	-5	-5	36	1150	30		-5	-50	-2	60	70
226	AN051	35.0448	80.2174	.	-0.5		.	-0.5	.	15	-5	13	5800	14	3000	-5	-5	16	525	20		15	-50	-2	50	25
227	AN052	35.0358	80.2870	.	-0.5		.	0.7	.	14	19	13	9200	23	1850	-5	-5	10	917	20		20	-50	-2	60	30
228	AN053	35.0054	80.2775	.	0.5		.	0.6	.	14	88	52	9600	25	3000	-5	-5	10	1140	15		-5	-50	4	10	34
234	AN059	35.0298	80.0081	.	-0.5		.	0.5	.	15	18	8	9400	10	3700	-5	-5	10	489	-10		25	51	3	90	19
589	CA001	35.3026	80.6560	.	-0.5		.	0.6	.	19	85	12	2000	-5	6500	-5	-5	7	628	-10		20	178	-2	-5	15
590	CA002	35.2801	80.6461	.	-0.5		.	0.8	.	9	71	11	6000	-5	2350	-5	-5	8	782	10		5	180	-2	-5	24
591	CA003	35.2682	80.5926	.	-0.5		.	0.7	.	21	89	11	3600	-5	3800	-5	-5	8	850	-10		5	128	-2	-5	15
592	CA004	35.2281	80.5704	.	-0.5		.	0.8	.	24	244	48	1600	5	1550	5	-5	12	868	10		20	82	-2	-5	42
593	CA005	35.2342	80.5441	.	-0.5		.	0.6	.	20	75	16	2400	-5	1400	-5	-5	10	639	10		20	133	-2	-5	23
594	CA006	35.2160	80.5451	.	-0.5		.	0.8	.	20	-5	21	3000	8	1450	5	.	10	550	10		85	92	-2	-5	30
595	CA007	35.2220	80.5018	.	-0.5		.	0.7	.	17	165	18	3800	14	2750	-5	-5	13	596	15		-5	93	-2	-5	37
596	CA008	35.2615	80.4664	.	-0.5		.	1.1	.	9	64	9	7000	-5	2000	-5	-5	6	1040	15		10	-50	-2	-5	31
597	CA009	35.2668	80.5023	.	-0.5		.	0.9	.	10	35	14	12800	14	2600	-5	15	7	507	10		15	253	-2	-5	16
598	CA010	35.2860	80.4920	.	-0.5		.	1.6	.	32	175	35	6000	10	3050	-5	20	16	1040	15		-5	82	-2	-5	52
599	CA011	35.2500	80.5226	.	-0.5		.	0.6	.	19	49	21	3600	-5	1150	-5	-5	11	1210	20		5	59	-2	-5	39
600	CA012	35.2655	80.5473	.	-0.5		.	0.9	.	25	60	30	3600	-5	1050	-5	-5	8	953	10		-5	122	-2	-5	29
601	CA013	35.2796	80.5515	.	-0.5		.	0.5	.	9	21	21	6200	-5	4000	-5	-5	-5	666	-10		-5	223	-2	-5	9
602	CA014	35.2953	80.5766	.	-0.5		.	-0.5	.	14	33	10	1800	-5	6500	-5	-5	6	403	10		-5	165	-2	-5	9
603	CA015	35.3091	80.6052	.	1.0		.	-0.5	.	28	3010	14	2400	-5	10250	-5	-5	38	803	20		-5	88	-2	-5	214
604	CA016	35.3627	80.5757	.	-0.5		.	0.7	.	11	30	19	3000	-5	2050	-5	-5	5	536	10		5	164	-2	-5	17
605	CA017	35.3271	80.5625	.	-0.5		.	0.9	.	16	145	30	3400	-5	1400	-5	-5	13	825	15		-5	132	-2	-5	35
606	CA018	35.3170	80.5202	.	-0.5		.	1.9	.	12	74	10	20000	-5	4000	-5	-5	19	646	-10		-5	544	-2	-5	15
607	CA019	35.2975	80.4375	.	-0.5		.	1.1	.	14	14	12	5800	20	1500	-5	-5	14	678	10		-5	-50	-2	55	34

CHARLOTTE 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
608	CA020	35.3135	80.4387	.	-0.5		.	1.4	.	21	60	14	8600	20	850	-5	70	14	1020	25		-5	-50	-2	-5	42
609	CA021	35.3358	80.4609	.	-0.5		.	1.0	.	24	146	19	4800	10	1400	-5	15	14	882	25		-5	59	-2	-5	33
610	CA022	35.3524	80.4829	.	-0.5		.	1.3	.	26	112	20	2200	-5	3000	5	5	6	707	15		-5	177	-2	70	25
611	CA023	35.3589	80.5073	.	-0.5		.	1.0	.	20	41	20	10800	-5	1800	5	5	5	703	10		-5	247	-2	15	15
612	CA024	35.3796	80.4801	.	-0.5		.	0.7	.	17	125	19	2400	-5	2500	-5	-5	9	821	15		-5	110	-2	-5	21
613	CA025	35.3870	80.4389	.	-0.5		.	1.0	.	20	-5	26	5600	-5	3600	-5	-5	28	507	40		-5	362	-2	-5	24
614	CA026	35.3337	80.6697	.	-0.5		.	0.6	.	26	85	16	7400	-5	900	-5	-5	14	789	15		5	98	-2	-5	27
615	CA027	35.3775	80.6551	.	-0.5		.	0.8	.	20	278	9	4600	-5	7000	-5	5	12	1500	15		-5	120	-2	140	24
616	CA028	35.3639	80.6373	.	-0.5		.	1.2	.	21	325	12	2400	-5	7750	-5	-5	15	1790	15		10	125	-2	20	27
617	CA029	35.4605	80.6789	.	-0.5		.	0.9	.	12	11	13	5000	-5	3900	-5	-5	7	1040	10		10	189	-2	10	20
618	CA030	35.4894	80.7168	.	-0.5		.	1.3	.	24	-5	16	19600	6	4800	-5	-5	20	982	20		15	237	-2	-5	44
619	CA031	35.4417	80.7464	.	-0.5		.	1.1	.	12	5	11	8800	-5	3600	-5	-5	5	843	-10		-5	226	2	-5	13
620	CA032	35.4076	80.7306	.	-0.5		.	1.3	.	16	41	12	11200	5	4800	-5	-5	12	1320	-10		-5	205	-2	32	37
621	CA033	35.3780	80.5293	.	-0.5		.	1.6	.	16	8	11	21200	-5	3000	-5	-5	14	1120	15		5	665	-2	5	18
622	CA034	35.3812	80.4158	.	-0.5		.	3.7	.	14	5	15	17400	5	2200	-5	-5	17	2940	15		-5	587	2	5	31
623	CA035	35.3725	80.4017	.	-0.5		.	1.9	.	19	20	18	9200	22	4800	-5	-5	13	1260	20		-5	109	-2	30	39
624	CA036	35.3841	80.3842	.	0.5		.	2.2	.	21	35	18	13600	29	5100	-5	-5	15	1390	20		-5	65	-2	35	49
625	CA037	35.4234	80.3692	.	0.5		.	1.9	.	29	144	24	10200	24	5700	-5	-5	19	1360	25		-5	-50	3	20	47
626	CA038	35.4319	80.3889	.	0.5		.	2.8	.	24	114	21	14800	13	4200	-5	-5	24	2570	25		-5	222	-2	20	54
627	CA039	35.4888	80.3156	.	0.5		.	2.1	.	27	62	66	16800	19	3200	-5	-5	34	1250	25		-5	-50	2	15	94
628	CA040	35.4704	80.3458	.	0.5		.	3.0	.	26	16	20	9400	5	2950	-5	-5	19	3450	20		-5	321	2	6	44
629	CA041	35.4738	80.3721	.	-0.5		.	1.3	.	10	5	10	8800	6	2100	-5	-5	11	1150	15		-5	66	4	5	48
630	CA042	35.4865	80.3744	.	-0.5		.	1.3	.	39	148	44	3800	7	2800	-5	-5	15	1040	20		-5	117	-2	-5	57
631	CA043	35.4641	80.7644	.	0.5		.	1.5	.	21	300	13	13600	6	4500	-5	-5	19	760	10		-5	73	-2	10	35
632	CA044	35.4502	80.7175	.	-0.5		.	1.5	.	10	89	8	20800	-5	3400	-5	-5	6	643	10		-5	184	2	-5	16
633	CA045	35.3985	80.6825	.	-0.5		.	1.3	.	19	290	10	14400	6	6900	-5	-5	8	1830	-10		-5	74	2	-5	28
634	CA046	35.4059	80.6629	.	-0.5		.	1.6	.	13	180	5	17800	5	5100	-5	-5	9	3080	10		-5	160	-2	-5	29
635	CA047	35.4249	80.6723	.	-0.5		.	1.5	.	24	259	22	4000	-5	5700	-5	-5	15	1680	10		-5	140	-2	-5	35
636	CA048	35.4223	80.6331	.	0.5		.	1.4	.	23	205	16	4800	-5	6000	-5	-5	16	757	15		-5	118	-2	30	30
637	CA049	35.3905	80.6262	.	-0.5		.	0.9	.	11	240	5	20800	5	2200	-5	-5	6	1800	10		-5	48	-2	5	15
638	CA050	35.4676	80.5665	.	0.5		.	1.2	.	16	10	21	8400	-5	1050	-5	-5	10	971	15		10	219	-2	5	35
639	CA051	35.4541	80.5538	.	-0.5		.	5.3	.	28	12	23	5800	9	1800	6	-5	26	1560	30		-5	100	-2	17	76
640	CA052	35.4709	80.5434	.	-0.5		.	1.8	.	14	119	14	9800	-5	2100	-5	-5	10	839	10		-5	333	-2	5	22
641	CA053	35.4207	80.5574	.	-0.5		.	2.9	.	9	9	6	20800	5	2300	-5	-5	11	914	10		-5	336	-2	15	21
642	CA054	35.4134	80.4966	.	-0.5		.	2.0	.	17	11	16	20400	-5	2450	6	-5	9	700	10		-5	536	-2	10	15
643	CA055	35.4156	80.4247	.	0.5		.	2.9	.	21	90	29	3000	-5	2300	-5	-5	14	964	15		30	113	4	-5	37
644	CA056	35.4879	80.4316	.	-0.5		.	1.0	.	21	120	15	1400	-5	6000	-5	-5	11	850	10		-5	207	-2	10	18
645	CA057	35.4890	80.4622	.	0.5		.	1.4	.	20	95	16	5600	-5	2750	-5	-5	13	789	10		20	423	-2	-5	23

CHARLOTTE 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
646	CA058	35.4573	80.4778	.	-0.5		.	2.0	.	15	25	11	11000	-5	3000	-5	-5	14	1000	15		5	633	-2	-5	31
647	CA059	35.4535	80.4972	.	-0.5		.	1.7	.	30	18	20	4200	-5	1800	-5	-5	14	793	10		-5	251	-2	5	30
648	CA060	35.4226	80.4716	.	2.0		.	1.7	.	40	26	22	8200	-5	3200	5	-5	28	671	20		-5	245	-2	-5	48
649	CA061	35.4445	80.4284	.	0.5		.	1.5	.	24	33	39	2200	-5	2000	6	-5	13	635	15		-5	173	-2	-5	40
650	CA062	35.3454	80.6544	.	0.5		.	1.6	.	43	330	14	1400	-5	6000	-5	-5	22	1370	15		-5	114	-2	25	20
1603	GA032	35.3898	80.9877	.	-0.5		.	1.0	.	5	6	12	2900	-5	2800	10	-5	-5	4180	-10		-5	74	-2	-5	15
2372	LI051	35.4351	80.9681	.	-0.5		.	1.0	.	5	11	6	8000	-5	2700	-5	25	-5	5750	-10		-5	98	-2	25	5
2373	LI052	35.4175	80.9954	.	-0.5		.	1.0	.	5	-5	7	5000	-5	2800	-5	20	-5	1500	-10		5	88	-2	10	7
2454	ME001	35.1171	80.9563	.	0.5		.	2.0	.	12	-5	8	3000	-5	5600	-5	-5	-5	2950	-10		-5	107	-2	15	27
2455	ME002	35.0950	80.9660	.	-0.5		.	2.0	.	15	5	4	3000	-5	7700	-5	40	-5	3350	-10		5	160	2	35	10
2456	ME003	35.0956	80.9942	.	-0.5		.	3.0	.	12	6	8	10000	-5	3800	10	45	12	1700	-10		-5	84	-2	30	17
2457	ME004	35.1069	80.9907	.	-0.5		.	2.0	.	20	5	12	3000	-5	4100	5	30	17	1800	-10		-5	126	-2	45	17
2458	ME005	35.1506	80.9912	.	-0.5		.	2.0	.	7	-5	6	2000	-5	6400	-5	15	18	2200	-10		5	52	-2	25	12
2459	ME006	35.1720	80.9866	.	-0.5		.	2.0	.	35	10	51	5000	-5	1300	-5	5	17	1200	-10		-5	-50	-2	15	62
2460	ME007	35.1941	80.9952	.	-0.5		.	2.0	.	15	5	18	4000	-5	5900	-5	-5	20	1500	-10		5	212	-2	15	30
2461	ME008	35.2112	80.9828	.	-0.5		.	2.0	.	22	5	19	4000	-5	6300	-5	-5	24	1200	-10		-5	271	-2	38	37
2462	ME009	35.2332	80.9811	.	-0.5		.	2.0	.	27	12	51	4000	-5	1200	5	5	44	1700	60		5	-50	-2	65	70
2463	ME010	35.1437	80.9302	.	-0.5		.	2.0	.	22	8	9	6000	-5	3900	-5	125	19	1600	15		-5	110	-2	15	25
2464	ME011	35.1917	80.9451	.	-0.5		.	2.0	.	25	14	18	14000	-5	1500	-5	10	15	1300	-10		10	73	-2	25	27
2465	ME012	35.2426	80.9510	.	0.5		.	2.0	.	12	-5	21	4000	-5	1100	-5	5	13	900	10		-5	65	-2	50	40
2466	ME013	35.2623	80.9352	.	-0.5		.	2.0	.	15	5	12	7000	-5	2100	5	-5	7	1000	-10		15	134	-2	25	32
2467	ME014	35.2907	80.9900	.	-0.5		.	1.0	.	15	12	12	3000	-5	2700	5	20	11	1400	-10		15	146	-2	40	25
2468	ME015	35.2996	80.9324	.	-0.5		.	2.0	.	15	10	29	6000	-5	2100	-5	10	30	1500	-10		-5	130	-2	10	37
2469	ME016	35.1210	80.8004	.	-0.5		.	2.0	.	10	10	13	6000	-5	1700	-5	-5	15	1400	-10		10	109	-2	10	20
2470	ME017	35.0956	80.8157	.	-0.5		.	3.0	.	20	17	7	4000	-5	8400	-5	120	10	1900	-10		10	370	-2	5	15
2471	ME018	35.1067	80.7865	.	-0.5		.	3.0	.	12	14	8	11000	-5	3100	5	55	15	1600	-10		10	258	-2	15	12
2472	ME019	35.0813	80.7832	.	-0.5		.	2.0	.	12	10	8	8000	-5	1900	5	40	15	1400	-10		5	121	-2	20	25
2473	ME020	35.0501	80.7608	.	-0.5		.	3.0	.	5	11	12	2000	5	400	5	20	9	1200	-10		10	-50	-2	-5	20
2474	ME021	35.0466	80.8024	.	-0.5		.	3.0	.	7	8	4	5000	-5	1400	5	240	-5	1700	-10		5	142	-2	25	15
2475	ME022	35.0111	80.8389	.	-0.5		.	2.0	.	5	-5	-2	6000	-5	1900	5	150	-5	1300	-10		10	93	-2	25	5
2476	ME023	35.0700	80.8303	.	-0.5		.	2.0	.	7	16	9	13000	-5	2000	5	120	7	1800	-10		20	114	-2	30	22
2477	ME024	35.0930	80.9243	.	-0.5		.	3.0	.	25	40	20	10000	-5	2000	5	180	12	2600	-10		10	133	-2	35	37
2478	ME025	35.1333	80.8918	.	-0.5		.	2.0	.	10	18	13	11000	-5	2600	-5	190	10	2300	10		5	113	-2	10	27
2479	ME026	35.0816	80.8636	.	0.5		.	2.0	.	27	35	18	5000	-5	5900	-5	95	47	2500	-10		5	275	-2	5	32
2480	ME027	35.1195	80.7589	.	-0.5		.	-0.5	.	10	14	11	4000	-5	2000	-5	20	7	1600	-10		15	100	-2	-5	25
2481	ME028	35.1216	80.7187	.	-0.5		.	1.0	.	25	10	31	3000	-5	1900	5	10	25	1200	-10		-5	75	-2	30	42
2482	ME029	35.1430	80.7357	.	-0.5		.	1.0	.	10	5	14	3000	-5	900	5	10	11	2400	-10		5	84	-2	25	27
2483	ME030	35.3373	80.7068	.	-0.5		.	1.0	.	40	20	26	10000	-5	1000	5	5	22	1700	15		5	81	-2	40	37

CHARLOTTE 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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2484	ME031	35.3581	80.7522	.	-0.5		.	1.0	.	12	10	10	2000	-5	1200	5	5	5	1400	-10		25	117	-2	-5	30
2485	ME032	35.2895	80.8243	.	-0.5		.	2.0	.	30	13	11	5000	-5	1500	-5	50	7	1500	12		5	116	-2	10	25
2486	ME033	35.3211	80.7995	.	0.5		.	1.0	.	12	8	12	4000	-5	1600	10	5	7	1500	12		25	94	-2	10	32
2487	ME034	35.3464	80.7971	.	-0.5		.	1.0	.	10	5	9	2000	-5	2000	5	50	8	1500	-10		10	135	-2	-5	17
2488	ME035	35.3632	80.7923	.	-0.5		.	-0.5	.	15	10	11	1000	-5	2000	-5	10	21	1200	10		-5	114	-2	20	17
2489	ME036	35.3568	80.8398	.	-0.5		.	2.0	.	7	15	11	3000	-5	800	5	60	7	1000	-10		5	84	-2	10	40
2490	ME037	35.3907	80.8148	.	-0.5		.	1.0	.	10	12	13	2000	-5	1500	10	30	6	1000	-10		-5	80	-2	25	17
2491	ME038	35.4204	80.7976	.	-0.5		.	1.0	.	12	15	12	3000	-5	3600	5	20	10	1000	-10		5	120	-2	20	15
2492	ME039	35.4243	80.7651	.	-0.5		.	1.0	.	7	26	8	6000	-5	2600	5	-5	-5	1300	10		20	114	-2	-5	15
2493	ME040	35.4467	80.8067	.	-0.5		.	1.0	.	7	-5	6	3000	-5	2700	5	-5	7	700	-10		5	117	-2	15	10
2494	ME041	35.4756	80.8134	.	-0.5		.	1.0	.	10	14	14	3000	-5	1700	5	-5	5	1600	-10		10	101	-2	5	17
2496	ME043	35.4671	80.8710	.	-0.5		.	2.0	.	5	18	9	6000	-5	3200	5	20	9	1100	-10		10	173	-2	40	17
2497	ME044	35.4514	80.8609	.	-0.5		.	5.0	.	-5	45	12	-1000	45	6000	16	-5	6	300	-10		-5	318	-2	16	20
2498	ME045	35.4250	80.8661	.	-0.5		.	1.0	.	10	15	16	4000	-5	3500	-5	5	9	800	10		-5	114	-2	20	15
2499	ME046	35.4027	80.8661	.	-0.5		.	1.0	.	7	18	6	3000	-5	4700	-5	-5	-5	1000	-10		10	132	-2	30	12
2500	ME047	35.3927	80.9138	.	-0.5		.	1.0	.	7	10	7	3000	-5	5500	5	10	5	1000	-10		-5	122	-2	35	12
2501	ME048	35.4204	80.9283	.	-0.5		.	-0.5	.	12	6	13	3000	-5	2000	5	45	7	1000	17		-5	66	-2	15	22
2502	ME049	35.3640	80.8946	.	-0.5		.	1.0	.	10	-5	14	2000	-5	8000	-5	10	7	3700	-10		-5	158	-2	35	15
2503	ME050	35.3465	80.8820	.	-0.5		.	1.0	.	12	18	12	8000	-5	6500	5	-5	6	5300	-10		-5	102	-2	25	30
2504	ME051	35.3184	80.8642	.	-0.5		.	2.0	.	12	54	19	2000	-5	5000	-5	5	8	3200	-10		15	137	-2	40	52
2505	ME052	35.3182	80.9099	.	-0.5		.	1.0	.	7	12	11	4000	-5	5100	5	-5	5	2400	-10		-5	227	-2	35	15
2506	ME053	35.2800	80.7531	.	-0.5		.	1.0	.	10	28	16	4000	-5	2500	-5	25	11	1000	-10		5	118	-2	25	27
2507	ME054	35.3023	80.7118	.	-0.5		.	-0.5	.	7	9	7	3000	-5	1800	-5	5	6	1500	-10		-5	141	2	40	20
2508	ME055	35.2816	80.7063	.	-0.5		.	1.0	.	-5	7	4	5000	-5	1200	5	-5	6	2200	-10		-5	141	-2	35	10
2509	ME056	35.2520	80.7070	.	-0.5		.	1.0	.	7	33	8	4000	-5	3200	-5	-5	-5	1400	10		-5	154	-2	30	17
2510	ME057	35.2372	80.6915	.	-0.5		.	1.0	.	10	21	12	4000	-5	3200	10	15	7	1800	-10		-5	130	3	55	32
2511	ME058	35.2162	80.6767	.	-0.5		.	1.0	.	15	21	18	5000	-5	1200	5	10	10	3200	-10		-5	64	-2	50	45
2512	ME059	35.2310	80.6312	.	-0.5		.	-0.5	.	10	7	9	10000	-5	800	5	-5	-5	2500	-10		-5	80	-2	35	12
2513	ME060	35.2046	80.5925	.	-0.5		.	1.0	.	10	17	14	3000	-5	1400	5	10	5	2000	-10		-5	98	-2	50	15
2514	ME061	35.1972	80.5686	.	-0.5		.	1.0	.	7	-5	9	4000	-5	900	5	20	5	2300	-10		-5	76	-2	45	22
2515	ME062	35.1604	80.6126	.	-0.5		.	-0.5	.	-5	6	7	3000	-5	1000	10	-5	-5	1100	-10		15	101	-2	10	15
2516	ME063	35.1865	80.6300	.	-0.5		.	-0.5	.	17	13	18	4000	-5	1200	6	35	-5	2600	-10		-5	98	2	25	220
2517	ME064	35.2005	80.6561	.	-0.5		.	1.0	.	10	6	12	4000	-5	1800	5	15	9	1300	-10		5	110	-2	5	17
2518	ME065	35.1330	80.6694	.	-0.5		.	1.0	.	7	8	13	3000	-5	1900	5	10	6	1800	-10		10	102	-2	50	17
2519	ME066	35.1154	80.6738	.	-0.5		.	-0.5	.	5	-5	13	3000	-5	1200	5	25	-5	1100	-10		15	81	-2	35	12
2520	ME067	35.1583	80.6989	.	0.5		.	1.0	.	12	8	16	3000	-5	2000	10	10	11	1300	-10		-5	101	-2	40	20
2521	ME068	35.1860	80.7130	.	0.5		.	1.0	.	12	11	12	3000	-5	1700	5	-5	8	1900	-10		5	124	-2	30	22
2561	MG040	35.3273	80.0068	.	-0.5		.	2.0	.	-5	45	3	10000	7	900	5	-5	-5	2200	-10		15	-50	-2	30	10

CHARLOTTE 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
2562	MG041	35.3264	80.0563	.	0.5		.	1.0	.	7	17	13	10000	11	18000	10	5	9	3300	-10		20	58	-2	40	37
2563	MG042	35.3390	80.0547	.	-0.5		.	2.0	.	15	10	16	9000	-5	1100	5	-5	18	2300	-10		-5	-50	-2	30	42
2564	MG043	35.3606	80.0418	.	-0.5		.	-0.5	.	5	40	7	6000	-5	500	5	30	9	2700	-10		-5	-50	-2	25	20
2565	MG044	35.3784	80.0307	.	-0.5		.	1.0	.	7	40	9	7000	-5	400	5	-5	5	3700	50		-5	-50	-2	20	25
2566	MG045	35.3936	80.0161	.	-0.5		.	1.0	.	7	10	6	8000	-5	900	5	-5	-5	3300	10		10	-50	-2	30	22
2567	MG046	35.4453	80.0386	.	-0.5		.	1.0	.	12	18	16	9000	-5	1100	10	10	9	3300	40		10	-50	-2	35	60
2568	MG047	35.4883	80.0559	.	-0.5		.	1.0	.	10	52	6	12000	-5	600	5	-5	-5	3600	20		5	-50	-2	40	45
2569	MG048	35.4921	80.0729	.	0.5		.	1.0	.	32	32	15	5000	6	800	10	-5	10	3100	-10		-5	-50	-2	25	35
2570	MG049	35.4287	80.0223	.	0.5		.	1.0	.	7	5	15	10000	7	400	5	-5	-5	3700	42		-5	-50	-2	35	37
2571	MG050	35.4287	80.0428	.	-0.5		.	-0.5	.	7	17	9	2000	-5	1500	-5	-5	-5	2200	-10		-5	106	-2	45	17
2572	MG051	35.2939	80.0611	.	-0.5		.	-0.5	.	5	14	2	7000	-5	200	5	-5	-5	3900	-10		10	-50	-2	20	10
2573	MG052	35.2532	80.0719	.	0.5		.	1.0	.	15	7	11	8000	13	400	5	10	7	3000	-10		10	-50	-2	45	30
2574	MG053	35.2505	80.0460	.	-0.5		.	1.0	.	10	19	11	7000	8	900	5	-5	9	3900	-10		5	-50	-2	40	27
2575	MG054	35.2307	80.0181	.	-0.5		.	-0.5	.	12	38	7	13333	40	-200	.	.	22	1700	-10		.	53	.		62
2581	MG060	35.2792	80.0227	.	-0.5		.	-0.5	.	-5	13	-2	8000	8	-200	10	-5	-5	1400	-10		-5	-50	-2	10	15
2588	MG067	35.1822	80.0098	.	-0.5		.	1.0	.	7	29	13	10000	24	200	5	10	25	3900	10		-5	-50	-2	20	42
2589	MG068	35.1648	80.0236	.	-0.5		.	-0.5	.	-5	68	-2	10000	20	-200	.	.	28	1300	37		.	-50	.		25
3714																										
3715	ST001	35.4900	80.2378	.	0.5		.	1.5	.	19	26	17	8000	22	2100	5	10	15	1100	20		-5	-50	-2	10	44
3716	ST002	35.4627	80.2225	.	-0.5		.	0.5	.	8	47	9	3000	6	700	5	10	6	800	17		-5	-50	-2	-5	20
3717	ST003	35.4403	80.2403	.	-0.5		.	0.5	.	34	7	13	2000	9	1950	5	35	9	900	12		5	67	-2	-5	25
3718	ST004	35.4389	80.2751	.	-0.5		.	1.5	.	17	-5	87	8000	13	2150	5	15	16	1200	25		-5	-50	-2	25	60
3719	ST005	35.4330	80.3255	.	-0.5		.	1.0	.	27	8	21	8000	15	1800	5	30	15	600	35		5	-50	-2	-5	46
3720	ST006	35.4094	80.3377	.	-0.5		.	2.0	.	23	6	21	10000	15	2550	5	10	18	1200	25		10	-50	-2	-5	62
3721	ST007	35.4102	80.2652	.	-0.5		.	1.0	.	17	6	9	6000	9	1750	-5	5	7	900	10		-5	-50	-2	-5	29
3722	ST008	35.4071	80.2241	.	-0.5		.	1.0	.	10	21	11	5000	9	1800	5	-5	7	1300	22		-5	-50	-2	-5	21
3723	ST009	35.3876	80.1602	.	-0.5		.	0.5	.	10	43	7	5000	10	1950	-5	30	12	500	-10		-5	57	-2	20	22
3724	ST010	35.3564	80.1328	.	1.2		.	2.0	.	60	-5	22	8000	20	4800	-5	15	18	1200	62		-5	52	-2	-5	93
3725	ST011	35.3712	80.1081	.	0.5		.	1.5	.	35	5	31	7000	12	2500	-5	-5	28	1200	37		-5	-50	-2	-5	92
3726	ST012	35.3429	80.0941	.	-0.5		.	1.0	.	17	7	21	3000	5	2500	-5	35	8	700	12		-5	83	-2	5	24
3727	ST013	35.2942	80.1150	.	-0.5		.	1.5	.	54	10	24	5000	8	2300	-5	20	22	600	22		5	-50	-2	10	42
3728	ST014	35.2587	80.1364	.	-0.5		.	1.5	.	55	19	22	5000	8	2450	5	40	23	1000	25		10	-50	-2	20	36
3729	ST015	35.2324	80.1265	.	-0.5		.	1.0	.	19	-5	152	8000	9	2700	-5	55	38	1000	2597		15	-50	-2	20	292
3730	ST016	35.1976	80.1171	.	-0.5		.	1.5	.	33	15	23	8000	8	900	5	40	24	1200	35		5	-50	-2	5	72
3731	ST017	35.1814	80.1632	.	-0.5		.	1.5	.	27	5	20	10000	17	1400	-5	40	18	1200	27		-5	-50	-2	-5	57
3732	ST018	35.1711	80.2120	.	-0.5		.	-0.5	.	25	-5	33	15000	25	5000	-5	-5	-5	700	-10		-5	80	-2	-5	33
3733	ST019	35.2094	80.1807	.	-0.5		.	1.5	.	22	7	16	10000	19	2500	5	60	20	800	22		10	-50	-2	50	49
3734	ST020	35.4285	80.2070	.	-0.5		.	1.0	.	17	29	10	4000	5	2100	-5	55	7	900	10		5	80	-2	45	23

CHARLOTTE 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
3735	ST021	35.4236	80.1492	.	-0.5		.	1.0	.	13	-5	8	6000	10	2050	-5	20	8	400	15		-5	-50	-2	25	20
3736	ST022	35.4058	80.1836	.	-0.5		.	1.0	.	6	63	8	6000	8	1950	-5	10	-5	400	12		-5	-50	-2	30	17
3737	ST023	35.3860	80.1872	.	-0.5		.	0.5	.	10	113	9	5000	6	2400	-5	20	10	500	12		-5	-50	-2	30	21
3738	ST024	35.4011	80.1211	.	-0.5		.	1.5	.	22	6	34	8000	12	550	-5	25	11	1100	50		15	-50	-2	20	47
3739	ST025	35.2260	80.1762	.	-0.5		.	2.0	.	29	8	24	11000	19	2850	-5	25	23	800	35		-5	-50	-2	35	73
3740	ST026	35.2708	80.2090	.	-0.5		.	2.0	.	12	9	24	10000	23	2000	-5	30	13	900	22		-5	-50	-2	30	44
3741	ST027	35.2796	80.2084	.	-0.5		.	2.0	.	19	8	12	11000	18	1750	-5	85	8	600	22		15	-50	-2	50	46
3742	ST028	35.2659	80.2389	.	-0.5		.	1.5	.	13	7	15	9000	22	950	-5	30	11	2200	52		5	-50	-2	40	41
3743	ST029	35.2348	80.2333	.	-0.5		.	2.0	.	14	-5	17	12000	28	3300	5	5	11	1800	72		20	-50	2	30	49
3744	ST030	35.1951	80.3746	.	-0.5		.	3.0	.	43	7	31	15000	24	3900	5	35	26	1900	35		10	-50	4	50	90
3745	ST031	35.1786	80.4094	.	-0.5		.	1.0	.	6	13	9	6000	8	2750	-5	10	15	1600	-10		10	-50	2	10	23
3746	ST032	35.1840	80.4786	.	-0.5		.	1.0	.	5	11	7	6000	8	2900	5	-5	5	1800	10		-5	-50	-2	15	21
3747	ST033	35.1951	80.4552	.	-0.5		.	1.0	.	-5	27	13	6000	6	2500	5	10	-5	1500	-10		-5	-50	-2	25	32
3748	ST034	35.2514	80.3138	.	-0.5		.	2.5	.	21	7	22	13000	21	3600	-5	30	22	2400	32		-5	-50	-2	15	80
3749	ST035	35.2080	80.3667	.	-0.5		.	2.0	.	18	6	26	13000	19	3400	-5	5	16	2200	25		5	-50	3	30	57
3750	ST036	35.2224	80.3746	.	-0.5		.	2.0	.	27	10	20	12000	14	3400	5	-5	25	1800	17		5	-50	3	15	58
3751	ST037	35.2296	80.4000	.	-0.5		.	1.0	.	-5	13	4	5000	5	2000	5	-5	-5	1400	32		-5	62	2	5	16
3752	ST038	35.3823	80.2686	.	-0.5		.	1.5	.	20	6	15	7000	11	2650	5	-5	16	1500	12		-5	-50	-2	20	47
3753	ST039	35.3768	80.3264	.	-0.5		.	.	.	-5	14	7		.		5	-5	-5	800	-10		5	.	-2	-5	18
3754	ST040	35.3340	80.3123	.	-0.5		.	1.0	.	12	54	10	6000	6	2450	5	-5	17	900	-10		5	-50	-2	20	34
3755	ST041	35.3546	80.2871	.	-0.5		.	1.0	.	10	12	10	6000	7	3050	-5	5	6	700	10		10	-50	-2	5	34
3756	ST042	35.3426	80.2612	.	-0.5		.	0.5	.	11	5	8	3000	6	2650	-5	10	-5	900	-10		10	-50	-2	-5	24
3757	ST043	35.3302	80.3388	.	-0.5		.	1.0	.	9	19	7	7000	9	2700	-5	30	-5	2200	10		-5	-50	4	-5	22
3758	ST044	35.2627	80.4040	.	-0.5		.	0.5	.	5	33	6	6000	7	2650	-5	20	5	2300	10		-5	-50	2	15	23
3865	ST045	35.2852	80.3476	.	-0.5		.	1.0	.	10	16	7	8000	7	3000	-5	30	7	1600	-10		-5	-50	2	10	28
3866	UN002	35.0341	80.7596	.	-0.5		.	1.5	.	5	6	7	7000	6	2350	-5	30	-5	2900	-10		10	-50	-2	40	27
3869	UN003	35.0061	80.7297	.	-0.5		.	1.0	.	-5	-5	4	12000	5	2050	5	25	-5	1800	-10		10	-50	-2	25	98
3883	UN006	35.0092	80.8213	.	-0.5		.	1.5	.	38	8	35	3000	-5	4150	5	15	34	3100	-10		15	88	-2	15	42
3889	UN020	35.0030	80.6088	.	-0.5		.	2.0	.	17	5	20	10000	13	2900	5	-5	9	2300	35		15	-50	2	5	46
3890	UN026	35.0217	80.6783	.	-0.5		.	1.5	.	30	6	16	6000	11	3750	-5	5	12	2300	10		10	-50	5	30	44
3891	UN027	35.0163	80.6555	.	-0.5		.	1.0	.	25	26	14	2000	-5	2900	-5	-5	16	1500	10		-5	121	-2	10	23
3892																										
3893	UN029	35.0556	80.6900	.	-0.5		.	1.0	.	-5	38	6	5000	-5	2350	-5	-5	-5	2300	19		20	78	2	5	19
3926	UN030	35.0421	80.7074	.	-0.5		.	1.0	.	13	-5	20	3000	8	2750	-5	5	-5	2400	15		5	-50	-2	35	20
3928	UN031	35.0269	80.7171	.	-0.5		.	0.5	.	-5	-5	4	7000	-5	1600	-5	35	-5	1800	-10		5	-50	-2	75	11
3929	UN064	35.0062	80.4464	.	-0.5		.	2.0	.	18	12	17	8000	15	3050	-5	5	17	3500	22		-5	-50	4	40	58
3930	UN066	35.0095	80.3033	.	-0.5		.	1.0	.	9	-5	11	6000	10	2850	-5	10	11	2600	17		15	-50	2	45	42
3931	UN067	35.0271	80.2928	.	-0.5		.	2.0	.	22	5	15	9000	17	2850	-5	20	16	2600	25		10	-50	5	35	44

CHARLOTTE 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
3932	UN068	35.0291	80.3574	.	-0.5		.	2.0	.	21	-5	18	13000	15	3300	-5	-5	15	3000	32		10	-50	-2	25	57
3933	UN069	35.0619	80.3294	.	-0.5		.	1.5	.	15	-5	13	10000	14	3150	5	5	11	1500	-10		-5	-50	2	35	37
3934	UN070	35.0764	80.3201	.	-0.5		.	1.5	.	11	-5	10	7000	11	3400	5	65	10	1500	12		20	-50	4	45	33
3935	UN071	35.0137	80.3765	.	-0.5		.	1.5	.	15	10	15	8000	13	3450	-5	45	11	3100	12		5	-50	3	25	48
3936	UN072	35.0567	80.4635	.	-0.5		.	1.5	.	15	13	12	8000	14	3450	5	15	13	2200	20		10	-50	2	15	44
3937	UN073	35.0367	80.3988	.	-0.5		.	1.5	.	6	8	9	6000	12	2900	5	10	5	1800	-10		-5	-50	-2	-5	25
3938	UN074	35.0683	80.4046	.	-0.5		.	1.5	.	21	6	11	8000	16	3450	5	195	10	1900	-10		5	-50	-2	10	37
3939	UN075	35.1011	80.3360	.	-0.5		.	1.5	.	12	-5	12	10000	13	3350	5	10	9	2300	47		10	-50	3	5	39
3940	UN076	35.1042	80.2912	.	-0.5		.	2.0	.	13	-5	18	10000	17	3450	5	-5	14	2600	20		10	-50	2	10	52
3941	UN077	35.1207	80.3390	.	-0.5		.	2.5	.	23	-5	18	12000	23	3800	5	-5	24	1800	10		20	-50	-2	25	64
3942	UN078	35.1587	80.3606	.	-0.5		.	2.0	.	20	-5	14	10000	21	2950	-5	25	11	3300	32		5	-50	2	25	45
3943	UN079	35.1036	80.4043	.	-0.5		.	2.0	.	21	14	15	10000	21	6000	5	15	18	1200	17		20	-50	-2	30	53
3944	UN080	35.0250	80.5239	.	-0.5		.	1.0	.	8	5	7	7000	14	4450	5	60	8	2500	10		25	86	4	60	35
3945	UN081	35.0226	80.5596	.	-0.5		.	1.0	.	10	5	11	6000	13	4350	-5	-5	11	1800	40		15	50	-2	20	106
3946	UN082	35.0307	80.5619	.	-0.5		.	1.0	.	10	5	8	5000	12	3600	-5	40	7	1300	15		20	80	10	25	53
3947	UN083	35.0440	80.5579	.	-0.5		.	1.5	.	6	8	14	8000	16	3250	5	10	8	2100	10		15	-50	-2	25	63
3948	UN084	35.0861	80.4462	.	-0.5		.	1.0	.	5	11	9	6000	14	2300	-5	10	5	3100	10		10	-50	-2	10	54
3949	UN085	35.1308	80.4414	.	-0.5		.	1.5	.	10	19	8	7000	19	3850	5	300	5	1600	12		5	50	15	100	61
3950	UN086	35.1279	80.4935	.	-0.5		.	2.0	.	18	11	14	14000	28	5700	5	10	12	2500	25		15	-50	2	30	93
3951	UN087	35.0796	80.5032	.	-0.5		.	2.0	.	20	61	17	11000	17	6800	-5	15	19	1000	32		20	-50	2	35	96
3952	UN088	35.1468	80.5393	.	-0.5		.	1.0	.	10	10	13	6000	12	4200	5	20	9	1100	27		10	74	3	15	78
3953	UN089	35.1937	80.5301	.	-0.5		.	1.0	.	8	-5	11	2000	-5	1750	-5	-5	-5	500	10		-5	74	-2	25	24
3954	UN090	35.1493	80.6007	.	-0.5		.	0.5	.	10	-5	11	4000	-5	1850	5	5	5	700	-10		5	-50	-2	-5	37
3955	UN091	35.1299	80.6315	.	-0.5		.	0.5	.	7	-5	11	2000	-5	1700	5	5	-5	600	-10		-5	90	-2	-5	19
3956	UN092	35.1039	80.6668	.	-0.5		.	0.5	.	10	6	13	3000	-5	1300	-5	-5	-5	500	10		-5	52	-2	15	41
3957	UN093	35.0657	80.6300	.	-0.5		.	0.5	.	10	5	8	1000	-5	2350	5	15	6	500	-10		5	50	-2	10	47
3958	UN094	35.0825	80.6189	.	-0.5		.	1.0	.	17	6	15	3000	7	2350	5	5	14	600	12		10	-50	2	10	33
	UN095	35.1020	80.5731	.	-0.5		.	0.5	.	-5	-5	7	2000	-5	1950	5	20	-5	400	-10		5	-50	-2	15	33
	UN096	35.1241	80.6030	.	-0.5		.	0.5	.	12	5	9	3000	-5	1950	-5	10	-5	600	12		15	68	-2	25	40

CHARLOTTE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
114	AN517	35.0323	80.2588	6.9	321	0.087	200	37200	.	10160	291	15720	-0.1	0.2	28	-0.001
115	AN518	35.1582	80.1326	7.1	152	0.187	.	10300	116	4850	.	9190	-0.1	1.2	421	-0.001
116	AN519	35.1242	80.1313	6.8	70	0.042	7	5400	.	2440	23	9000	0.2	0.6	82	-0.001
117	AN520	35.0761	80.1366	7.6	240	0.094	.	12100	127	12570	89	14100	-0.1	0.3	41	-0.001
118	AN521	35.0215	80.1398	7.5	299	0.924	.	21200	.	17370	.	19420	-0.1	3.0	30	-0.001
120	AN523	35.0210	80.0919	7.6	410	7.377	.	64300	.	13140	.	29860	-0.1	17.9	24	-0.001
121	AN524	35.0896	80.1013	7.8	700	5.816	.	139300	.	12330	189	75940	2.5	8.3	.	-0.001
122	AN525	35.1125	80.0894	7.5	167	0.081	22	9500	81	8940	173	M	-0.1	0.4	25	-0.001
123	AN526	35.0630	80.0137	7.4	1390	4.584	1497	M	.	M	.	M	-0.1	3.3	.	-0.001
127	AN530	35.0082	80.0272	6.9	101	0.070	.	15300	.	1180	157	12250	0.5	0.6	537	0.060
134	AN537	35.0324	80.1939	7.6	303	0.359	58	M	.	M	33	M	-0.1	1.1	81	-0.001
135	AN538	35.0767	80.2008	8.1	265	0.235	132	20900	.	4980	48	24860	-0.1	0.8	25	-0.001
136	AN539	35.0667	80.2611	7.1	341	0.049	.	28700	.	5280	.	17490	0.3	0.1	11	-0.001
137	AN540	35.1241	80.2505	6.6	87	0.037	.	8700	144	3370	.	7020	0.2	0.4	116	-0.001
138	AN541	35.1700	80.2512	7.1	131	0.074	.	18900	.	2830	75	9620	-0.1	0.5	618	0.250
139	AN542	35.1602	80.1980	6.7	25	0.038	15	5500	45	1050	.	2050	-0.1	1.5	222	-0.001
140	AN543	35.1212	80.1998	7.2	95	0.037	44	M	.	M	48	M	-0.1	0.3	34	-0.001
782	CA501	35.3885	80.7001	7.2	230	0.047	161	25800	.	10220	434	13090	0.4	0.2	4	-0.001
783	CA502	35.3901	80.7581	6.8	206	0.217	96	12500	.	8330	.	17170	6.2	1.0	17	-0.001
784	CA503	35.4341	80.6956	6.7	228	0.035	83	23100	.	7450	11	14430	2.2	0.1	13	-0.001
785	CA504	35.4386	80.7551	6.8	52	0.023	22	4900	.	2320	.	5670	5.7	0.4	18	-0.001
786	CA505	35.4827	80.7488	7.2	312	0.544	.	12800	.	.	272	M	-0.1	1.7	10	-0.001
787	CA506	35.4818	80.7007	7.2	68	0.106	.	6200	54	700	16	6400	4.6	1.5	17	-0.001
788	CA507	35.4875	80.6456	6.3	220	0.049	79	M	.	M	34	M	-0.1	0.2	17	-0.001
789	CA508	35.4400	80.6499	7.1	470	1.924	138	37900	.	26840	.	17390	11.1	4.0	.	-0.001
790	CA509	35.4390	80.4007	6.9	440	0.327	.	62700	.	9310	.	28830	1.0	0.7	26	-0.001
791	CA510	35.4461	80.3551	5.8	30	0.037	28	6600	.	.	13	2710	0.2	1.2	111	-0.001
792	CA511	35.4857	80.3620	6.2	58	0.031	.	M	.	M	15	M	-0.1	0.5	35	-0.001
793	CA512	35.4882	80.4153	6.5	110	0.027	.	17000	.	6190	44	11010	0.8	0.2	39	0.060
794	CA513	35.4795	80.4815	6.9	104	0.063	.	6200	55	3890	6	7000	12.6	0.6	20	-0.001
795	CA514	35.4351	80.4669	7.5	348	0.060	169	29600	.	11800	440	10620	-0.1	0.1	19	-0.001
796	CA515	35.4376	80.5273	6.8	68	0.165	44	7200	90	720	23	7640	2.1	2.4	27	-0.001
797	CA516	35.4776	80.5323	7.4	266	0.557	48	7600	.	9700	92	12020	0.4	2.0	16	-0.001
798	CA517	35.4768	80.5849	7.1	280	0.160	179	30200	.	16100	.	25250	2.5	0.5	205	-0.001
799	CA518	35.4273	80.5777	7.7	130	1.556	28	6500	123	5310	38	7440	5.6	11.9	39	-0.001
800	CA519	35.3767	80.5845	6.3	33	0.069	41	7700	.	.	69	4520	0.4	2.0	163	-0.001
801	CA520	35.3934	80.4028	7.1	610	0.221	306	M	.	M	423	M	-0.1	0.3	27	-0.001
802	CA521	35.3501	80.4183	6.9	250	0.050	.	M	.	M	94	M	-0.1	0.2	146	-0.001

CHARLOTTE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
803	CA522	35.3489	80.4765	6.9	90	0.035	44	7000	107	5690	.	9410	1.4	0.3	47	-0.001
804	CA523	35.3999	80.4729	6.7	120	0.031	.	13400	.	4560	32	14800	4.7	0.2	17	-0.001
805	CA524	35.3904	80.5266	6.6	81	0.430	.	7500	68	3840	27	9370	3.8	5.3	17	-0.001
806	CA525	35.3439	80.5323	6.9	740	42.880	.	29800	.	53740	.	27900	11.5	57.9	20	-0.001
807	CA526	35.3409	80.5854	6.9	350	0.383	237	63100	.	12500	.	23730	8.9	1.0	.	-0.001
808	CA527	35.3938	80.6528	6.9	120	0.075	.	13100	.	3970	49	9710	2.7	0.6	1312	0.330
809	CA528	35.3506	80.6983	8.2	230	0.285	55	5000	.	6870	140	9980	-0.1	1.2	70	-0.001
810	CA529	35.3452	80.6451	7.2	590	3.090	.	61800	.	36480	258	27280	4.6	5.2	40	-0.001
811	CA530	35.3040	80.6443	7.1	720	0.868	95	107100	.	53300	.	16400	0.7	1.2	27	-0.001
812	CA531	35.2617	80.6386	7.5	370	0.981	.	20700	.	20350	17	12580	10.2	2.6	13	-0.001
813	CA532	35.2614	80.5892	7.1	445	1.343	161	36300	.	17520	281	11420	0.7	3.0	10	-0.001
814	CA533	35.2957	80.5820	7.2	360	1.026	.	18700	.	20390	.	18210	24.2	2.8	13	-0.001
815	CA534	35.2996	80.5383	7.3	90	0.133	45	6300	149	6550	14	5780	8.9	1.4	31	-0.001
816	CA535	35.2085	80.5179	7.2	710	1.571	515	M	.	M	208	M	-0.1	2.2	.	-0.001
817	CA536	35.2496	80.5271	7.6	240	0.275	72	12300	177	8450	194	16660	-0.1	1.1	19	-0.001
818	CA537	35.2990	80.4623	7.4	980	0.098	.	M	.	4650	1217	M	-0.1	0.1	.	0.730
3019	LI507	35.4814	80.9934	6.4	20	0.022	18	5000	.	.	6	M	-0.1	1.1	26	0.060
3020	LI508	35.4396	80.9968	6.2	32	0.044	25	5200	.	2670	.	2160	1.2	1.3	25	-0.001
3279	ME501	35.2933	80.7975	6.3	32	0.016	19	5800	42	640	15	2910	0.5	0.5	31	-0.001
3280	ME502	35.3457	80.8013	6.8	58	0.038	42	5900	81	3270	.	5120	3.0	0.6	18	-0.001
3281	ME503	35.4001	80.8088	6.8	320	0.595	164	20700	.	14510	.	19680	4.5	1.8	12	-0.001
3282	ME504	35.4366	80.8037	6.7	52	0.048	8	6200	8	910	15	5130	2.7	0.9	18	-0.001
3283	ME505	35.4747	80.7994	7.0	72	0.042	.	4800	58	1600	.	3300	6.6	0.5	41	-0.001
3284	ME506	35.4876	80.8833	6.8	82	0.273	.	7100	74	2860	20	8420	6.6	3.3	13	-0.001
3285	ME507	35.4903	80.9062	7.0	38	0.042	11	4800	54	830	5	4680	5.1	1.1	16	-0.001
3286	ME508	35.4482	80.8956	6.9	80	0.023	.	5800	12	1550	23	6940	10.8	0.2	15	-0.001
3287	ME509	35.4447	80.8508	7.1	88	0.039	28	5600	64	.	25	M	-0.1	0.4	14	-0.001
3288	ME510	35.3938	80.8644	6.9	50	0.025	.	5700	54	650	15	4000	4.0	0.5	29	-0.001
3289	ME511	35.1149	80.7027	6.7	51	0.025	32	6300	68	1990	13	5720	2.1	0.4	18	-0.001
3290	ME512	35.1672	80.6954	6.3	101	0.062	54	9900	75	4290	.	9730	2.4	0.6	19	-0.001
3291	ME513	35.1622	80.6507	6.3	62	0.032	24	7000	27	3920	.	6490	0.6	0.5	13	-0.001
3292	ME514	35.2108	80.6426	6.7	110	0.031	48	7200	16	4990	7	8790	6.0	0.2	13	-0.001
3293	ME515	35.2121	80.5948	6.7	92	0.025	45	13000	.	5400	.	7790	1.2	0.2	14	-0.001
3294	ME516	35.2558	80.6924	6.6	78	0.021	32	7700	32	2460	37	6810	2.8	0.2	17	-0.001
3295	ME517	35.2989	80.7049	6.4	71	0.020	.	6800	.	3890	.	6570	4.8	0.2	14	0.130
3296	ME518	35.3480	80.7495	7.6	240	0.239	40	6900	154	.	285	M	-0.1	1.0	23	-0.001
3297	ME519	35.2954	80.7557	6.4	98	0.038	46	6600	33	.	37	M	-0.1	0.3	25	-0.001
3298	ME520	35.1613	80.8231	7.3	115	0.128	21	6200	88	4720	.	5520	11.1	1.1	25	-0.001

CHARLOTTE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
3299	ME521	35.1521	80.7514	6.7	106	0.044	50	7400	.	5570	.	6560	4.0	0.4	12	-0.001
3300	ME522	35.2106	80.7512	6.8	88	0.051	.	5200	77	810	10	5000	2.7	0.5	21	-0.001
3301	ME523	35.2105	80.7047	6.9	50	0.028	12	5100	51	2110	15	5900	2.8	0.5	28	-0.001
3302	ME524	35.2551	80.7455	6.8	61	0.028	8	4800	32	3200	.	6260	7.1	0.4	26	-0.001
3303	ME525	35.2966	80.8575	6.6	70	0.026	21	7100	42	3930	.	5940	1.1	0.3	27	-0.001
3304	ME526	35.2071	80.9147	6.2	70	0.043	41	7600	55	3180	.	4530	4.4	0.6	195	0.060
3305	ME527	35.2624	80.9169	6.6	88	0.037	.	6000	66	4640	.	6110	3.6	0.4	30	0.050
3306	ME528	35.3114	80.9181	6.5	260	0.064	.	38400	.	14310	101	17180	5.4	0.2	23	-0.001
3307	ME529	35.3486	80.8584	6.6	50	0.034	.	5300	45	1280	17	6130	3.0	0.6	25	-0.001
3308	ME530	35.3929	80.9124	6.8	82	0.033	41	7000	21	6460	15	4690	2.1	0.4	29	-0.001
3309	ME531	35.3451	80.9091	7.2	170	0.190	37	7100	74	8690	61	13890	4.4	1.1	26	-0.001
3310	ME532	35.3105	80.9697	7.0	210	0.047	17	17200	.	11810	.	16160	14.8	0.2	98	-0.001
3311	ME533	35.2596	80.9633	7.2	284	0.189	.	18900	.	16940	120	16870	5.0	0.6	37	-0.001
3312	ME534	35.2133	80.9821	7.1	112	0.062	45	5600	.	3820	33	7000	4.2	0.5	28	-0.001
3313	ME535	35.1622	80.9255	7.4	210	0.206	30	11200	85	10410	.	8290	1.1	0.9	29	-0.001
3314	ME536	35.1619	80.9744	7.5	248	0.293	69	10600	115	9580	.	8430	2.2	1.1	30	-0.001
3317	ME539	35.1115	80.9671	7.3	344	0.638	.	36400	.	15220	158	20850	-0.1	1.8	17	-0.001
3318	ME540	35.0983	80.9150	7.3	192	0.085	.	8300	184	9860	111	10950	1.9	0.4	28	-0.001
3319	ME541	35.0550	80.8830	6.7	68	0.020	.	5900	52	1070	31	7660	-0.1	0.2	34	-0.001
3320	ME542	35.0345	80.8116	7.4	142	0.034	.	6100	76	12030	25	6840	1.4	0.2	28	-0.001
3321	ME543	35.0750	80.7502	6.6	89	0.022	34	7300	85	2640	.	10790	3.9	0.2	32	-0.001
3322	ME544	35.0783	80.8307	7.1	610	44.520	.	55500	.	.	353	42100	26.6	72.9	33	-0.001
3323	ME545	35.1074	80.8069	7.0	282	1.145	.	10500	.	19810	140	14710	13.7	4.0	28	0.050
3324	ME546	35.1144	80.7457	6.8	105	0.052	.	5300	.	.	28	8670	10.8	0.5	27	-0.001
3352	MG528	35.4899	80.0597	7.4	210	0.030	132	10400	.	17200	233	8790	-0.1	0.1	49	-0.001
3353	MG529	35.4900	80.1133	6.4	70	0.037	63	8700	.	3900	44	4330	-0.1	0.5	25	-0.001
3354	MG530	35.4500	80.0214	7.0	70	0.008	.	10900	.	4440	14	7970	-0.1	0.1	33	-0.001
3355	MG531	35.3991	80.0062	7.9	200	0.159	68	9200	.	.	74	M	-0.1	0.8	45	-0.001
3356	MG532	35.3730	80.0344	7.6	60	0.120	65	11500	.	1740	28	6400	0.2	2.0	28	0.060
3357	MG533	35.3189	80.0612	7.7	150	0.418	63	10800	.	3920	4	9580	0.2	2.7	37	-0.001
3358	MG534	35.2723	80.0862	8.0	105	0.807	52	M	.	M	22	M	-0.1	7.6	27	-0.001
3359	MG535	35.2301	80.0734	7.5	130	0.136	.	9300	160	.	39	13190	0.2	1.0	37	-0.001
3360	MG536	35.2356	80.0211	7.0	130	0.139	137	22000	.	6340	54	10610	-0.1	1.0	21	-0.001
3361	MG537	35.1851	80.0186	7.2	80	0.040	44	8700	.	3150	.	8240	-0.1	0.5	24	-0.001
3372	MG548	35.3299	80.0014	7.4	80	0.019	47	M	.	4320	109	M	-0.1	0.2	22	-0.001
3375	MG551	35.2762	80.0108	7.4	300	0.050	129	25600	.	30490	.	10450	1.7	0.1	14	-0.001
4480	RI501	35.1366	80.0115	8.1	200	0.030	38	8200	.	8930	150	37250	-0.1	0.1	16	-0.001
4494	RI515	35.1107	80.0152	7.2	180	0.025	31	6500	59	6910	358	12460	-0.1	0.1	16	-0.001

CHARLOTTE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
4991	ST501	35.3399	80.2115	7.4	328	0.595	.	9200	100	18930	143	13780	1.0	1.8	35	0.110
4992	ST502	35.3018	80.2397	6.5	140	0.042	62	9900	62	2330	3	7390	1.4	0.3	625	-0.001
4993	ST503	35.3480	80.2537	6.4	77	0.092	61	19400	.	.	46	M	-0.1	1.1	293	-0.001
4994	ST504	35.3487	80.2923	7.2	58	0.397	.	74000	.	33960	54	19110	-0.1	6.8	34	-0.001
4995	ST505	35.3480	80.3538	6.4	152	0.066	24	13200	56	11610	.	10160	-0.1	0.4	791	0.080
4996	ST506	35.3077	80.4146	6.4	670	0.168	618	142300	.	23340	.	69600	-0.1	0.2	10	-0.001
4997	ST507	35.2635	80.4289	5.9	67	0.037	36	5900	22	1990	14	4320	0.5	0.5	27	-0.001
4998	ST508	35.2405	80.4566	6.6	100	0.023	.	8000	.	4920	.	9510	0.5	0.2	149	-0.001
4999	ST509	35.2116	80.4727	6.3	90	0.024	48	6200	.	.	42	M	-0.1	0.2	43	-0.001
5000	ST510	35.2115	80.4049	7.1	222	0.182	53	4800	97	5270	.	18990	-0.1	0.8	27	-0.001
5001	ST511	35.2052	80.3538	7.3	690	0.235	477	166900	.	14710	404	35000	-0.1	0.3	71	-0.001
5002	ST512	35.2564	80.3520	7.3	325	0.381	.	M	.	M	44	M	-0.1	1.1	.	0.100
5003	ST513	35.3061	80.3478	6.2	43	0.027	44	3300	37	2550	18	5580	0.3	0.6	102	-0.001
5004	ST514	35.3055	80.3033	7.1	497	0.092	456	49100	.	.	946	M	-0.1	0.1	36	-0.001
5005	ST515	35.1702	80.1451	7.3	120	0.040	47	6000	.	.	84	M	-0.1	0.3	46	-0.001
5006	ST516	35.2135	80.2038	7.7	342	0.871	.	M	.	M	88	M	-0.1	2.5	34	-0.001
5007	ST517	35.4899	80.3045	7.2	340	0.032	209	29900	.	6600	292	16080	-0.1	0.0	20	-0.001
5008	ST518	35.4870	80.2388	7.3	185	0.032	31	6400	.	3930	118	9500	0.2	0.1	33	-0.001
5009	ST519	35.4795	80.2017	7.4	255	0.035	43	4700	.	1340	12	3720	0.2	0.1	63	-0.001
5010	ST520	35.4380	80.2486	7.1	109	0.065	87	21000	.	6390	168	10830	-0.1	0.6	121	-0.001
5011	ST521	35.4416	80.3024	5.7	185	0.063	.	29700	.	10000	156	13840	-0.1	0.3	141	-0.001
5012	ST522	35.4011	80.3457	6.9	143	0.121	.	13800	.	5530	.	10560	-0.1	0.8	40	-0.001
5013	ST523	35.3998	80.3010	7.1	230	0.070	143	22400	.	6580	151	11940	-0.1	0.3	36	-0.001
5014	ST524	35.3979	80.2434	6.5	230	0.081	30	5000	.	.	24	M	-0.1	0.3	32	-0.001
5015	ST525	35.4382	80.1830	6.7	117	0.094	40	M	.	M	6	M	-0.1	0.8	26	-0.001
5016	ST526	35.4424	80.1251	7.3	255	0.090	107	15600	118	4760	126	22160	-0.1	0.3	24	-0.001
5017	ST527	35.3929	80.1255	7.8	130	0.049	.	M	.	M	50	M	-0.1	0.3	37	-0.001
5018	ST528	35.3636	80.0736	7.0	149	0.198	.	12800	.	4310	9	9780	-0.1	1.3	45	-0.001
5019	ST529	35.3465	80.1314	7.0	180	0.053	28	4400	53	3900	372	11470	-0.1	0.2	25	-0.001
5020	ST530	35.3988	80.1842	7.4	180	0.264	64	8200	34	4270	57	10380	-0.1	1.4	23	-0.001
5021	ST531	35.2231	80.2514	7.1	50	0.052	48	8100	.	.	37	M	-0.1	1.0	26	-0.001
5022	ST532	35.2213	80.3129	7.3	342	0.120	157	25300	.	2040	571	18490	-0.1	0.3	26	-0.001
5023	ST533	35.2469	80.3016	7.1	85	0.047	11	9400	.	3110	47	7570	-0.1	0.5	26	-0.001
5024	ST534	35.2705	80.2450	7.7	235	0.101	83	11800	.	.	43	11270	-0.1	0.4	29	0.040
5025	ST535	35.2566	80.1949	7.6	37	0.429	124	28500	.	5520	215	13400	0.4	11.5	42	-0.001
5026	ST536	35.3011	80.1817	7.5	331	0.047	187	31200	.	6210	498	15100	-0.1	0.1	20	-0.001
5027	ST537	35.3108	80.1300	7.7	353	0.544	250	M	.	M	109	M	-0.1	1.5	24	-0.001
5028	ST538	35.2991	80.0959	7.4	170	2.265	65	7500	.	5490	39	M	-0.1	13.3	22	-0.001

CHARLOTTE 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000	Al ppb	Dy ppb
5029	ST539	35.2531	80.1348	7.3	130	0.064	.	M	.	M	66	M	-0.1	0.4	209	0.090
5030	ST540	35.2179	80.1349	6.9	181	0.032	.	9300	.	8020	.	7240	-0.1	0.1	25	-0.001
5031	ST541	35.2113	80.0829	7.3	95	0.054	40	5400	.	4910	.	6290	0.3	0.5	25	-0.001
5187	UN501	35.0311	80.5325	7.2	210	0.891	54	M	.	M	66	M	-0.1	4.2	33	-0.001
5188	UN502	35.0712	80.5280	5.5	192	0.042	.	13700	.	6540	39	13850	-0.1	0.2	99	-0.001
5189	UN503	35.1135	80.5329	6.5	141	0.049	14	4500	72	3100	.	6820	0.6	0.3	164	-0.001
5190	UN504	35.1656	80.5295	7.6	261	1.706	.	26700	.	9850	.	14180	0.7	6.5	22	-0.001
5191	UN505	35.1623	80.4718	6.4	110	0.028	.	20200	.	10030	38	17260	0.3	0.2	133	-0.001
5192	UN506	35.1151	80.4668	7.8	270	0.066	81	16300	.	9190	429	10000	-0.1	0.2	22	-0.001
5193	UN507	35.1620	80.4223	7.6	455	0.168	246	M	.	5530	901	M	-0.1	0.3	.	-0.001
5194	UN508	35.1222	80.4212	7.5	182	0.027	45	17300	.	4280	397	12100	-0.1	0.1	19	-0.001
5195	UN509	35.1253	80.3640	7.4	382	1.571	262	67600	.	6950	12	29590	-0.1	4.1	46	-0.001
5196	UN510	35.1600	80.3550	7.4	165	0.039	.	12800	.	4920	390	12440	-0.1	0.2	21	-0.001
5197	UN511	35.1607	80.3082	8.2	152	0.077	17	7600	32	4590	331	9910	-0.1	0.5	20	-0.001
5198	UN512	35.1175	80.3068	8.1	438	6.239	239	64400	.	7930	25	25830	-0.1	14.2	13	-0.001
5199	UN513	35.0738	80.3043	8.0	470	0.250	357	M	.	M	179	M	-0.1	0.5	.	-0.001
5201	UN515	35.0184	80.3064	7.0	230	0.225	64	24100	.	.	663	M	-0.1	0.9	20	-0.001
5202	UN516	35.0807	80.3605	7.2	240	0.422	113	M	.	M	71	M	-0.1	1.7	13	-0.001
5203	UN517	35.0238	80.3603	6.7	1250	1.016	1272	348800	.	39510	472	67850	-0.1	0.8	59	-0.001
5205	UN519	35.0267	80.4191	6.7	177	0.127	112	28100	.	6660	169	14770	-0.1	0.7	164	-0.001
5206	UN520	35.0858	80.4347	6.5	226	0.052	.	38700	.	.	56	M	-0.1	0.2	40	-0.001
5207	UN521	35.0728	80.4732	6.1	172	0.032	.	54500	.	5960	37	29630	-0.1	0.1	106	-0.001
5208	UN522	35.0298	80.4674	7.6	352	0.436	154	M	.	57700	.	M	0.4	1.2	.	0.230
5211	UN525	35.0276	80.6419	7.9	278	0.477	.	M	.	M	65	M	-0.1	1.7	20	-0.001
5212	UN526	35.0731	80.6460	7.6	700	0.115	.	M	.	M	423	M	-0.1	0.1	.	-0.001
5215	UN529	35.0244	80.5815	7.7	580	0.258	499	94600	.	11010	593	33980	-0.1	0.4	44	-0.001
5216	UN530	35.0756	80.5871	7.4	495	0.417	257	M	.	23850	169	M	-0.1	0.8	.	-0.001
5217	UN531	35.1105	80.5825	7.6	622	0.912	403	70500	.	.	1115	30400	-0.1	1.4	6	-0.001
5218	UN532	35.1651	80.5801	7.5	190	0.052	31	6800	15	4730	48	10400	2.1	0.2	18	-0.001
5219	UN533	35.1149	80.6380	7.6	448	0.041	17	40100	.	9780	162	M	-0.1	0.0	273	0.190
5220	UN534	35.0719	80.7005	6.4	120	0.035	64	16300	.	3910	16	13140	0.2	0.2	19	-0.001
5221	UN535	35.0221	80.6945	7.6	445	0.518	405	65000	.	27910	39	18100	-0.1	1.1	7	-0.001
5222	UN536	35.0246	80.7571	7.3	70	0.028	49	6900	30	790	15	6860	1.3	0.4	18	-0.001