	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																								
3	Ron Stoessell (985 630 1613)					O_2 MW	Li MW	Na MW	NH_4-N MW	K MW	Mg MW	Ca MW	Sr MW	SiO_2 MW	F MW	Br MW	Cl MW	NO_3-N MW	NO_2-N MW	PO_4-P MW	SO_4 MW	HCO_3 MW		
4	Western North Carolina Water Samples					31.9988	6.9390	23.0	14.01	39.1020	24.3120	40.08	87.6200	60.0888	19.0000	79.9090	35.4530	14.0070	14.0070	30.9740	96.062	61.0172		
5	**Ground Water (wells)**																							
6	**listed south to north**																							
7	aq. in metamorphic rock western NC	William Appleton	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
8	Cherokee County, 247 Ranger Hill Rd	415 ft depth	9/12/2007	15.7	8.75	4.6	0.006	10.1	0.21	1.12	0.60	10.2	0.03	20.5	0.33	0.020	0.94	b.d.	b.d.	b.d.	6.10	58		108
9	biotite schist, metasiltstone, quartzite	N 35 02974° W 84.12533°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
10	E Pz Brasstown Fm	well drilled in 1986	98		161	0.142	0.0009	0.441	0.015	0.029	0.025	0.253	0.0003	0.341	0.017	0.00025	0.027	0.000	0.000	0.000	0.064	0.95	-0.08	
11	aq. in metamorphic rock western NC	David Hughes	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
12	Cherokee County 8859 West Hwy 64	300 ft depth	9/12/2007	15.0	5.4	4.1	0.007	2.67	0.15	1.15	1.30	5.37	0.02	14.3	0.06	0.016	1.58	0.01	b.d.	b.d.	18.9	7.9		53
13	sericite schist with metagraywacke	N 35 03169° W 84.15266°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
14	Pre C Dean Fm	well drilled in 1980s	59		409	0.128	0.0010	0.116	0.011	0.029	0.053	0.134	0.0002	0.238	0.003	0.00020	0.045	0.0005	0.000	0.000	0.197	0.13	-0.04	
15	aq. in metamorphic rock western NC	Kenneth Philips	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
16	Cherokee County, 1093 Crisp Rd	250 ft depth	8/12/2007	16.0	6.87	2.3	0.003	5.93	0.14	1.53	2.61	6.32	0.06	25.5	0.31	0.007	0.68	0.01	b.d.	b.d.	6.45	46		95
17	quartz sericite schist & phyllite & quartzite	N 35 04155° W 84.03352°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
18	E Pz Mineral Bluff Fm	well drilled in 1994	79		277	0.073	0.0004	0.258	0.010	0.039	0.107	0.158	0.0007	0.424	0.016	0.00009	0.019	0.001	0.000	0.000	0.067	0.75	-0.08	
19	aq. in metamorphic rock western NC	William Stover	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
20	Cherokee County, 67 Chatto Loup	61 ft depth	8/04/2007	16.0	7.2	5.7	0.007	5.62	0.05	2.33	1.98	12.3	0.05	27.1	0.21	0.028	1.27	b.d.	b.d.	0.05	15.0	45		111
21	staurolite garnet mica schist	N 35.04203° W 84.22560°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
22	Pre C Hughes Fm	well drilled in 1988	109		177	0.177	0.0010	0.244	0.004	0.060	0.081	0.307	0.0006	0.451	0.011	0.00035	0.036	0.000	0.0000	0.0016	0.156	0.74	-0.01	
23	aq. in metamorphic rock western NC	Bill Johnson	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
24	Cherokee County, 236 Notquyta Rd	110 ft depth	8/19/2006	15.7	6.9	3.5	b.d.	5.14	0.15	1.28	2.74	16.0	b.d.	29.3	0.14	b.d.	1.42	b.d.	b.d.	b.d.	10.0	62		128
25	layered argillite with quartzite	N 35.04314° W 84.12531°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
26	E Pz Nantahala Fm	well drilled in 2001	135		190	0.110	0.000	0.224	0.011	0.033	0.113	0.398	0.0000	0.487	0.007	0.00000	0.040	0.000	0.0000	0.0000	0.104	1.02	0.02	
27	aq. in metamorphic rock western NC	Ron Stoessell	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
28	Cherokee County, 121 Notquyta Rd	550 ft depth	8/19/2006	14.7	7.7	3.1	b.d.	8.45	b.d.	1.59	1.40	17.1	b.d.	25.0	0.10	b.d.	1.76	b.d.	b.d.	b.d.	11.9	72		140
29	layered argillite with quartzite	N 35.04710° W 84.12588°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
30	E Pz Nantahala Fm	well drilled in 2006	146		348	0.096	0.000	0.368	0.000	0.041	0.058	0.427	0.0000	0.417	0.005	0.00000	0.050	0.000	0.0000	0.0000	0.124	1.19	-0.11	
31	aq. in metamorphic rock western NC	Fox Ridge	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
32	Cherokee County, Fox Ridge Subdiv.	580 ft depth	9/13/2007	15.6	8.03	1.5	0.005	9.80	0.12	1.61	0.98	22.10	0.06	20.4	0.79	0.011	1.78	b.d.	b.d.	b.d.	12.3	82		152
33	**staurolite & garnet mica schist**	N 35 07218° W 84.19547°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
34	Pre C Hughes Gap Fm	well drilled in 2007	151		70	0.046	0.0007	0.426	0.009	0.041	0.040	0.551	0.0007	0.340	0.042	0.00014	0.050	0.000	0.000	0.000	0.128	1.34	-0.03	
35	aq. in metamorphic rock western NC	Jack Wimpey	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
36	Cherokee County, 1000 Hwy 141	250 ft depth	7/10/2007	15.8	5.67	6.7	0.003	1.82	0.23	0.44	1.73	4.62	0.02	11.9	0.04	0.014	1.57	0.54	b.d.	0.03	0.31	27		49
37	quartz sericite schist & phyllite & quartzite	N 35.08211° W 83.95414°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
38	E Pz Mineral Bluff Fm	well drilled 1995	49		442	0.209	0.0004	0.079	0.016	0.011	0.071	0.115	0.0002	0.198	0.002	0.00018	0.044	0.039	0.000	0.0009	0.003	0.44	-0.06	
39	aq. in metamorphic rock western NC	Jack Wimpey	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
40	Cherokee County, 1000 Hwy 141	88 ft depth	7/10/2007	16.1	5.59	9.2	0.005	1.57	0.21	0.39	1.75	2.46	0.01	8.97	0.03	0.022	2.41	0.73	b.d.	b.d.	0.30	17		35
41	quartz sericite schist & phyllite & quartzite	N 35.08228° W 83.95317°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
42	E Pz Mineral Bluff Fm	well drilled 1970s	38		354	0.288	0.0007	0.068	0.015	0.010	0.072	0.061	0.0001	0.149	0.0016	0.00028	0.068	0.052	0.000	0.000	0.003	0.28	-0.05	
43	aq. in metamorphic rock western NC	Jack Wimpey	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
44	Cherokee County, 1015 Hwy 141	130 ft depth	7/10/2007	16.3	6.19	8.4	0.002	2.43	0.21	0.61	1.05	7.37	0.09	15.5	0.05	0.015	1.73	0.49	b.d.	0.01	0.58	33		62
45	quartz sericite schist & phyllite & quartzite	N 35.08394° W83.94844°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
46	E Pz Mineral Bluff Fm	well drilled 1997	59		415	0.263	0.0003	0.106	0.015	0.016	0.043	0.184	0.0010	0.257	0.003	0.00019	0.049	0.035	0.000	0.0002	0.006	0.54	-0.04	
47	aq. in metamorphic rock western NC	Wallace Parker	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
48	Cherokee County, 2425 Upper Peachtree Rd	180 ft depth	9/1/2007	15.8	5.08	7.2	0.002	1.01	0.07	0.54	0.34	0.67	0.01	8.11	0.02	0.010	0.62	0.07	b.d.	b.d.	0.41	7.4		19
49	biotite schist, metasiltstone, quartzite	N 35.10129° W 83.91457°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
50	E Pz Brasstown Fm	well drilled in 1976	12		450	0.223	0.0003	0.044	0.005	0.014	0.014	0.017	0.0001	0.135	0.001	0.00013	0.017	0.005	0.000	0.000	0.004	0.12	-0.03	
51	aq. in metamorphic rock western NC	William Rose	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
52	Cherokee County, 7559 Hwy 294	145 ft depth	9/12/2007	15.2	7.36	1.5	0.005	4.36	0.12	1.67	1.17	9.94	0.04	25.4	0.14	0.009	0.78	b.d.	b.d.	b.d.	6.46	45		95
53	graphitic schist	N 35 10139° W 84.22174°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
54	Pre C Wehutty Fm	well drilled in 2002	82		174	0.048	0.0007	0.190	0.009	0.043	0.048	0.248	0.0005	0.423	0.007	0.00011	0.022	0.000	0.000	0.000	0.067	0.74	-0.07	
55	aq. in metamorphic rock western NC	Roger Salie	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
56	Cherokee County, 80 Alder Lane	206 ft depth	8/06/2007	15.6	7.79	0.7	0.006	5.70	0.08	1.68	1.67	22.5	0.09	20.2	0.17	0.011	0.80	b.d.	b.d.	b.d.	16.5	69		138
57	graphitic schist	N 35.11404° W 84.23805°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
58	Pre C Wehutty Fm	well drilled in 1993	145		314	0.022	0.0009	0.248	0.006	0.043	0.069	0.561	0.0010	0.336	0.009	0.00014	0.023	0.000	0.000	0.000	0.172	1.13	0.06	
59	aq. in metamorphic rock western NC	Wallace Parker	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
60	Cherokee County, Stevens Hollow Rd	250 ft depth	9/1/2007	15.9	6.39	5.3	0.008	7.29	0.08	2.78	2.91	3.71	0.05	35.5	0.20	0.009	0.55	b.d.	b.d.	b.d.	18.5	27		99

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
61	metagraywacke & mica shcist	N 35.11666° W 84.07240°	uS/cm		EH mv.	mM	mM	mM	nM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
62	Pre C Hothouse Fm	well drilled in 2006	81		307	0.166	0.0012	0.317	0.006	0.071	0.120	0.092	0.0006	0.591	0.011	0.00011	0.016	0.000	0.000	0.000	0.193	0.44	-0.03	
63	aq. in metamorphic rock western NC	Don Johnson	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
64	Cherokee County, 128 Flint Hill Rd	187 ft depth	9/3/2007	15.9	7.13	6.7	0.007	4.98	0.06	2.22	1.17	15.0	0.04	23.7	0.19	0.013	0.66	b.d.	b.d.	b.d.	9.020	56		113
65	**metagrawacke & metaconglomerate**	N 35.16792° W 84.25578°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
66	**Pre C Copper Hill Fm**	well drilled in 1996	104		212	0.208	0.0010	0.217	0.004	0.057	0.048	0.373	0.0005	0.394	0.010	0.00016	0.019	0.000	0.000	0.000	0.094	0.92	-0.02	
67	aq. in metamorphic rock western NC	Eddie Abraira	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
68	Cherokee County, 329 Running deer Ln	310 ft depth	8/04/2007	20.1	6.72	8.1	0.004	12.5	0.02	1.44	0.61	34.2	0.15	16.3	1.51	0.009	0.85	0.03	b.d.	0.01	71.8	50		189
69	metagraywacke & mica shcist	N 35.19285° W 84.01907°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
70	Pre C Hothouse Fm	well drilled in 1988 Cl2 cont.?	156		386	0.254	0.0006	0.544	0.001	0.037	0.025	0.853	0.0017	0.272	0.079	0.00011	0.024	0.002	0.000	0.0005	0.747	0.82	-0.08	
71																								
72																								
73	**Surface Water (springs, streams, lakes)**																							
74	**listed south to north**																							
75	Hiwassee Lake	Hiwassee Lake	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
76	Cherokee County, Panther Top Rd, SR 1303	surface of lake	8/04/2007	30.0	7.31	7.9	b.d.	1.60	0.10	0.87	0.69	1.91	0.01	5.11	0.04	0.018	1.54	0.01	b.d.	b.d.	2.00	10.5		24
77	sericite schist with metagraywacke	N 35.07637° W 84.11311°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
78	Pre C Dean Fm	near campground on lake inlet	27		332	0.246	0.000	0.070	0.007	0.022	0.028	0.048	0.0001	0.085	0.002	0.00023	0.043	0.000	0.000	0.000	0.021	0.17	-0.01	
79	sp. in metamorphic rock western NC	Jack Wimpey	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
80	Cherokee County, 1015 Hwy 141	out of springbox	7/10/07	15.0	5.09	8.2	0.002	1.28	0.17	0.17	0.48	0.67	0.01	9.06	0.03	0.013	1.24	0.01	b.d.	b.d.	0.85	9.1		23
81	quartz sericite schist & phyllite & quartzite	N 35.08356° W 83.94872°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
82	E Pz Mineral Bluff Fm	spring below house, feeds pond	16		449	0.255	0.0003	0.056	0.012	0.004	0.020	0.017	0.0001	0.151	0.002	0.00016	0.035	0.001	0.000	0.000	0.009	0.15	-0.06	
83	Peachtree Creek	Peachtree Creek	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
84	Cherokee County, near Upper Peachtree Rd	6 inch depth in creek	9/1/2007	15.8	6.11	9.0	0.001	1.97	0.06	0.75	0.58	1.31	0.01	11.1	0.03	0.009	1.10	0.14	b.d.	b.d.	1.62	9.5		28
85	biotite schist, metasiltstone, quartzite	N 35.10147° W 83.91390°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
86	E Pz Brasstown Fm	near Upper Peachtree	21		408	0.280	0.0001	0.086	0.004	0.019	0.024	0.033	0.0001	0.185	0.002	0.00011	0.031	0.010	0.000	0.000	0.017	0.16	-0.01	
87	springbox in metamorphic rock western NC	Ron Stoessell	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
88	Cherokee County, Hwy 294	out of springbox	6/24/2007	16.3	5.37	8.7	b.d.	1.27	0.12	0.46	0.38	0.48	b.d.	7.81	0.03	b.d.	0.81	0.01	b.d.	b.d.	1.58	6.4		19
89	graphitic schist	N 35.11150° W 84.23575°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
90	Pre C Wehutty Fm	in coppertail hollow	13		458	0.271	0.000	0.055	0.009	0.012	0.016	0.012	0.0000	0.130	0.0016	0.00000	0.023	0.001	0.000	0.0000	0.016	0.11	-0.03	
91	Thompson Creek	Thompson Creek	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
92	Cherokee County, near Hwy 294	4 inch depth in creek	6/24/2007	20.5	5.92	7.9	b.d.	1.77	0.10	0.76	0.70	1.61	b.d.	9.43	0.04	b.d.	1.58	0.19	b.d.	0.01	1.61	11		29
93	graphitic schist	N 35.11189° W 84.23408°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
94	Pre C Wehutty Fm	40' upstream of bridge	23		406	0.248	0.000	0.077	0.007	0.019	0.029	0.040	0.0000	0.157	0.0021	0.00000	0.044	0.014	0.000	0.0003	0.017	0.18	-0.04	
95	Spring in metamorphic rock western NC	Ron Stoessell	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
96	Cherokee County, into pond near Hwy 294	2 ft depth in pond	6/24/2007	19.7	5.31	3.9	b.d.	1.08	0.11	0.84	0.67	1.74	b.d.	7.55	0.03	b.d.	1.00	0.01	b.d.	0.01	1.54	12		26
97	graphitic schist	N 35.11231° W 84.23464°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
98	Pre C Wehutty Fm	northwest side of pond	21		456	0.122	0.000	0.047	0.008	0.021	0.028	0.043	0.0000	0.126	0.0016	0.00000	0.028	0.001	0.000	0.0002	0.016	0.20	-0.04	
99	Spring entering Thompson Creek	Ron Stoessell	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
100	Cherokee County, into Thompson Creek	2 inch depth in spring	6/24/2007	16.8	5.56	7.2	b.d.	1.03	0.08	0.60	0.48	0.74	b.d.	7.93	0.02	b.d.	0.80	0.03	b.d.	0.49	1.87	6.1		20
101	graphitic schist	N 35.11236° W 84.23464°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
102	Pre C Wehutty Fm	SW side of Creek	16		433	0.226	0.000	0.045	0.006	0.015	0.020	0.018	0.0000	0.132	0.0011	0.00000	0.023	0.002	0.000	0.0159	0.019	0.10	-0.04	
103	Shoal creek	Shoal Creek	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
104	Cherokee County, near 80 Alder Lane	6 inch depth in creek	39300.0	22.1	6.23	8.8	b.d.	1.46	0.11	0.86	0.45	0.99	b.d.	9.25	0.03	0.014	3.28	0.06	b.d.	b.d.	1.04	7.0		24
105	graphitic schist	N 35.11430° W 84.24136°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
106	Pre C Wehutty Fm	upstream of concrete bridge	20		390	0.273	0.000	0.064	0.008	0.022	0.019	0.025	0.0000	0.154	0.0016	0.00018	0.093	0.005	0.000	0.0000	0.011	0.11	-0.06	
107	sp. in metamorphic rock western NC	Don Johnson	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
108	Cherokee County, near River Hill Rd	1 ft depth in springbox	9/3/2007	18.5	6.52	4.9	0.004	1.30	0.06	2.80	1.85	32.2	0.06	14.4	0.07	0.018	0.76	0.08	b.d.	b.d.	5.21	108		166
109	**metagrawacke & metaconglomerate**	N 35.1535° W 84.24512°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
110	**Pre C Copper Hill Fm**	springbox near barn	173		356	0.152	0.0006	0.057	0.004	0.072	0.076	0.803	0.0007	0.240	0.0037	0.00023	0.021	0.006	0.000	0.0000	0.054	1.76	-0.01	
111	Appalachia Lake	Appalachia Lake	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
112	Cherokee County, near Flint Hill Rd	1 ft depth in lake	9/3/2007	23.7	6.79	8.9	b.d.	1.7	0.07	0.99	0.78	1.73	0.01	5.67	0.03	0.014	1.40	0.04	b.d.	b.d.	2.03	10.5		25
113	**metagrawacke & metaconglomerate**	N 35.16850° W 84.25581°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
114	**Pre C Copper Hill Fm**	southern boundary of lake	25		327	0.278	0.000	0.075	0.005	0.025	0.032	0.043	0.0001	0.094	0.0016	0.00018	0.039	0.003	0.000	0.0000	0.021	0.17	0.00	
115	Hanging Dog Creek	Hanging Dog Creek	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
116	Cherokee Co., intersect.of Running Deer Ln	6 inch depth in creek	8/07/2007	20.7	6.19	9.0	b.d.	1.69	0.08	0.79	0.54	1.53	0.01	8.61	0.03	0.008	1.32	0.15	b.d.	b.d.	1.42	9.9		26
117	metagraywacke & mica schist	N 35.19282° W 84.02206°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
118	Pre C Hothouse Fm	upstream of concrete bridge	23		446	0.283	0.000	0.074	0.006	0.020	0.022	0.038	0.0001	0.143	0.0016	0.00010	0.037	0.011	0.000	0.0000	0.015	0.16	-0.02	
119	sp. in metamorphic rock western NC	Dorothy Garcia	Date	T in °C	pH	O_2 mg/l	Li mg/l	Na mg/l	NH_4-N mg/l	K mg/l	Mg mg/l	Ca mg/l	Sr mg/l	SiO_2 mg/l	F mg/l	Br mg/l	Cl mg/l	NO_3-N mg/l	NO_2-N mg/l	PO_4-P mg/l	SO_4 mg/l	Alk as mg/l HCO_3	elec. bal.	tds, mg/l
120	Cherokee County, 410 Running Deer Ln	in springbox	8/04/2007	20.5	6.06	7.5	b.d.	1.27	0.04	0.60	0.36	0.74	b.d.	11.3	0.04	0.010	1.38	0.03	b.d.	0.01	0.46	7.8		24

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
121	metagraywacke & mica schist	N 35.19418° W 84.01382°	uS/cm		EH mv.	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	mM	meq/l	
122	Pre C Hothouse Fm	springbox above house	16		391	0.234	0.000	0.055	0.003	0.015	0.015	0.018	0.0000	0.188	0.0021	0.00013	0.039	0.002	0.000	0.0003	0.005	0.13	-0.04	
123																								
124																								
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