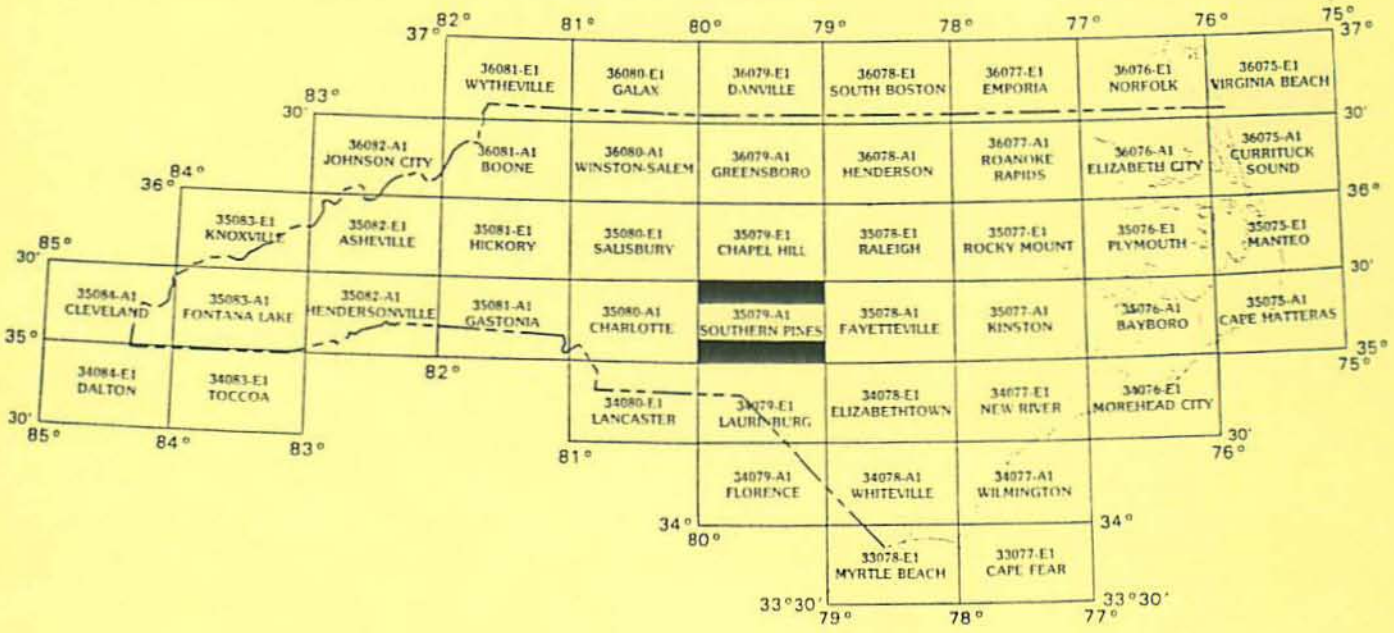
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the Southern Pines 30 x 60 - Minute Quadrangle -NURE Database

by

Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-18

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

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

July, 1993

GEOLOGICAL SURVEY SECTION

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

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

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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 Southern Pines 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.

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COUNTY CODES

Code	County
AN	Anson
CU	Cumberland
HO	Hoke
HR	Harnett
LE	Lee
MG	Montgomery
MO	Moore
RI	Richmond
SC	Scotland

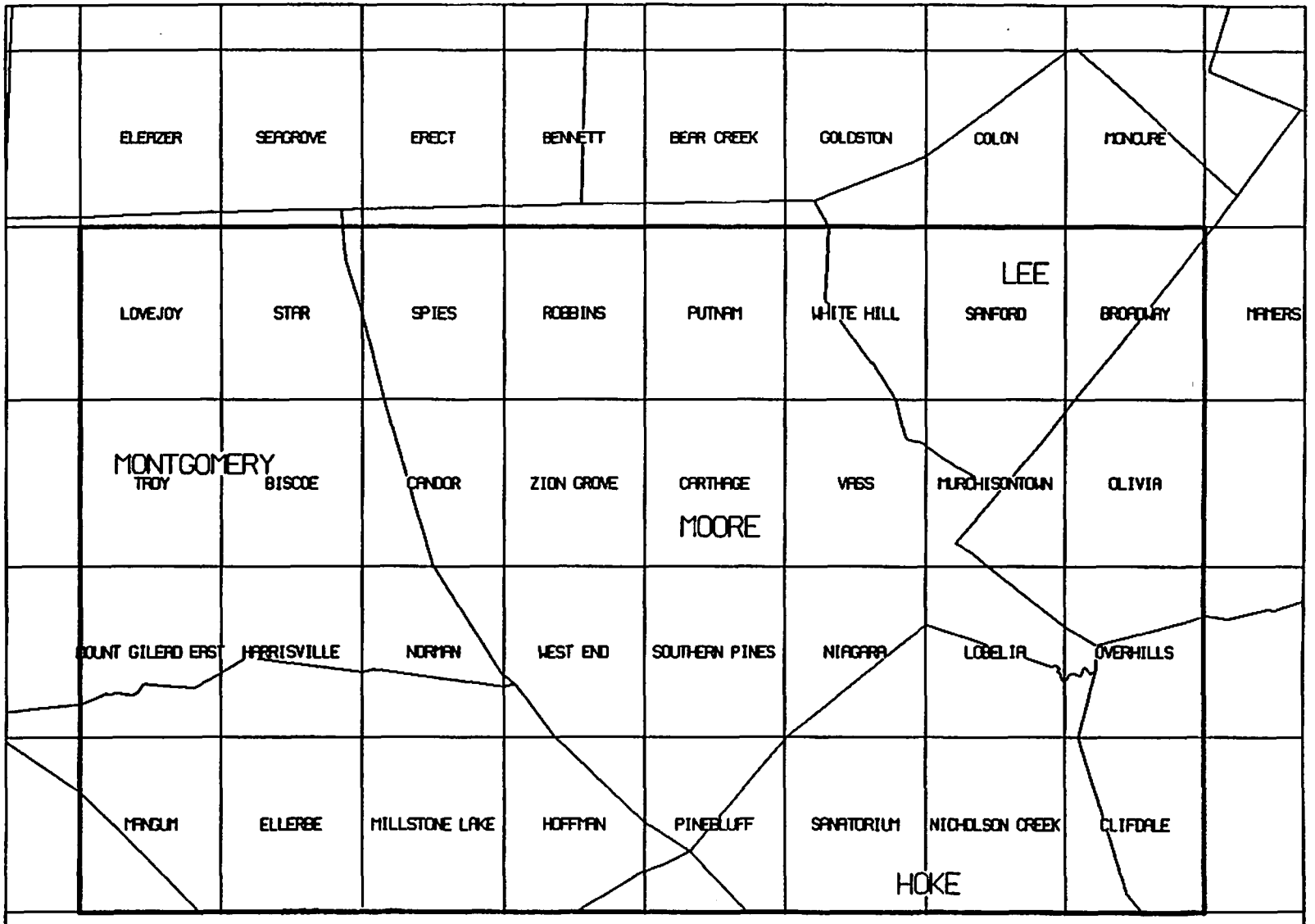

Figure 1. Map Showing Outlines of Southern Pines 30 x 60 Minute - Quadrangle and Contained 7 - 1/2 Minute Quadrangle.

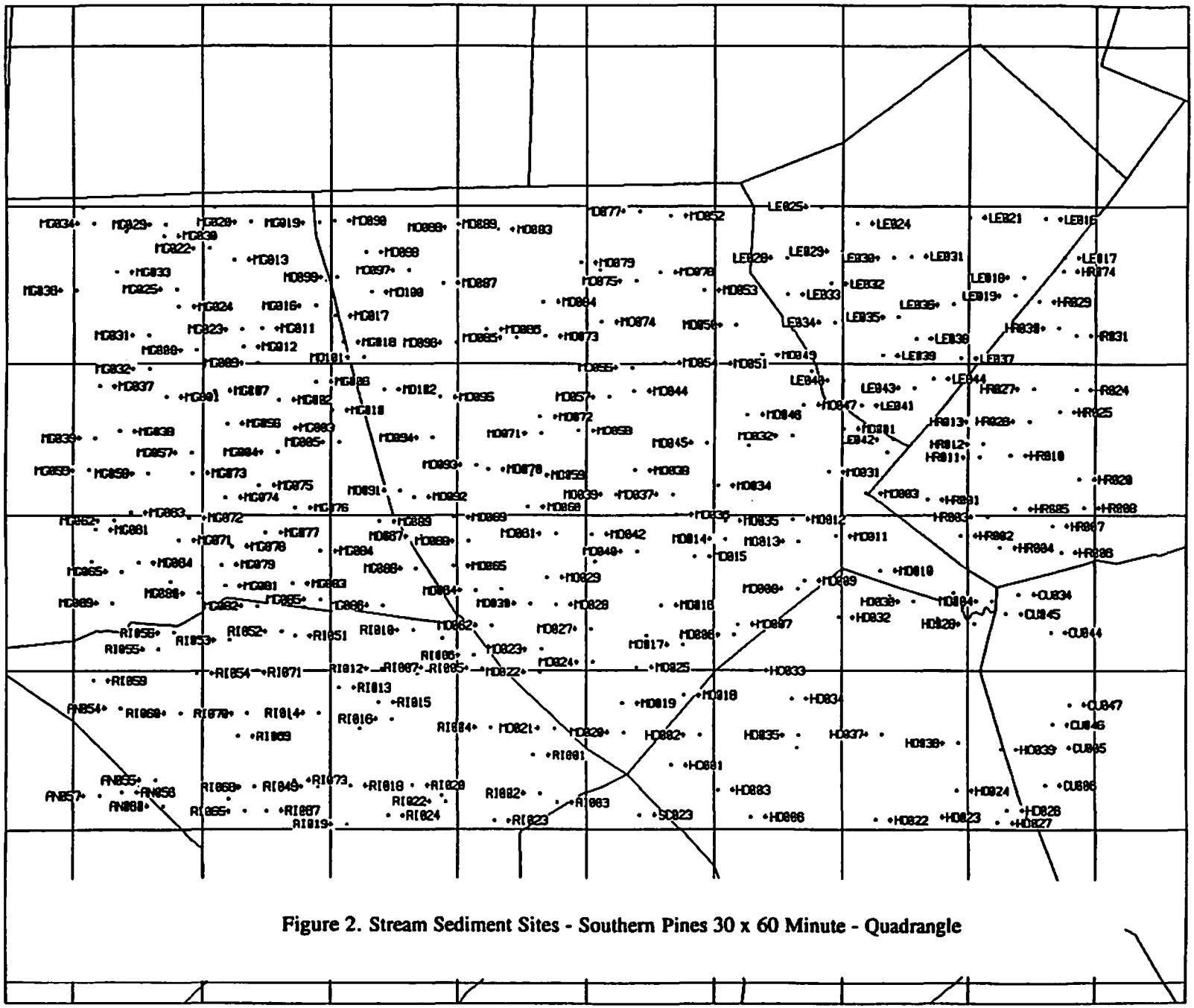

Figure 2. Stream Sediment Sites - Southern Pines 30 x 60 Minute - Quadrangle

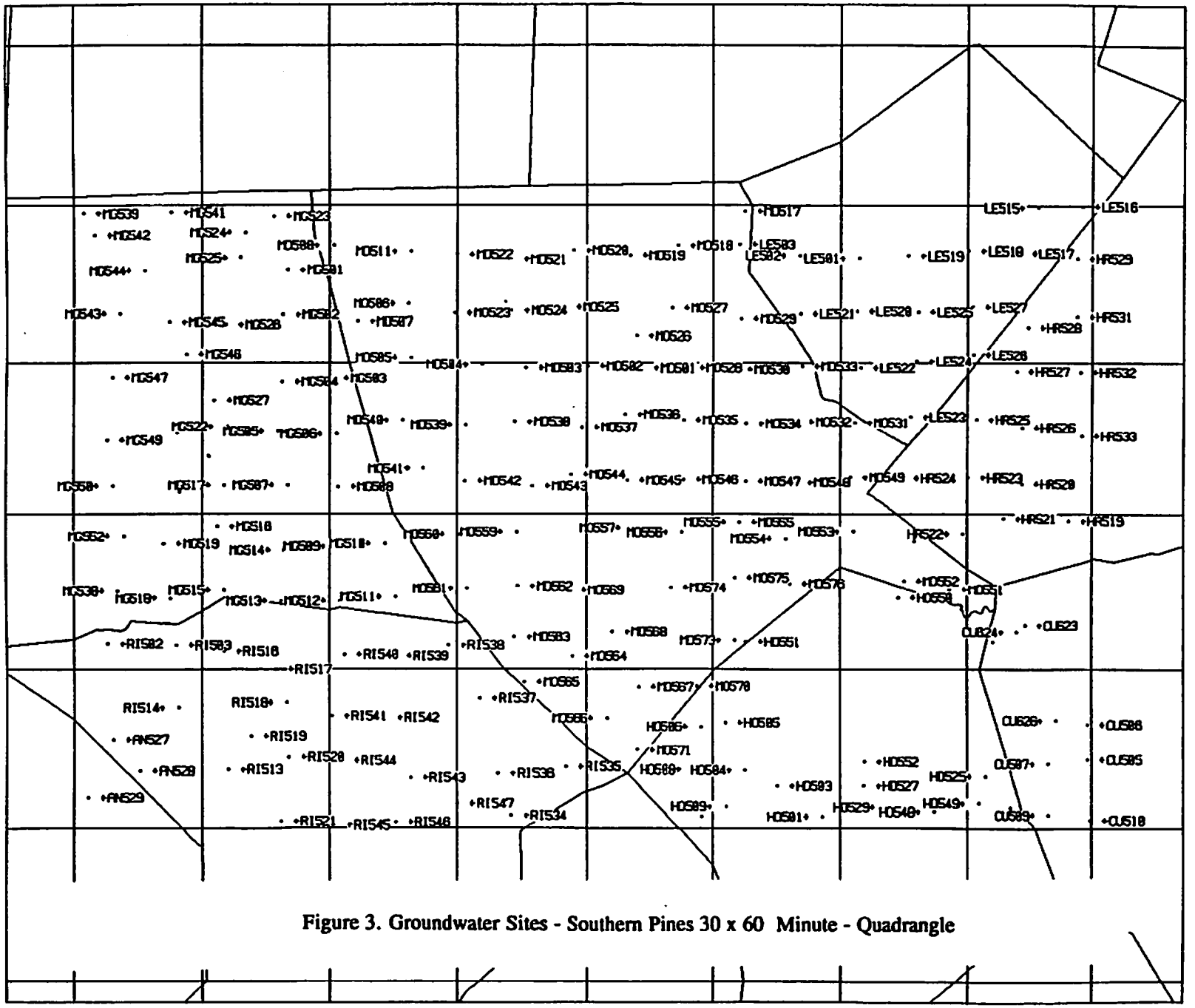

Figure 3. Groundwater Sites - Southern Pines 30 x 60 Minute - Quadrangle

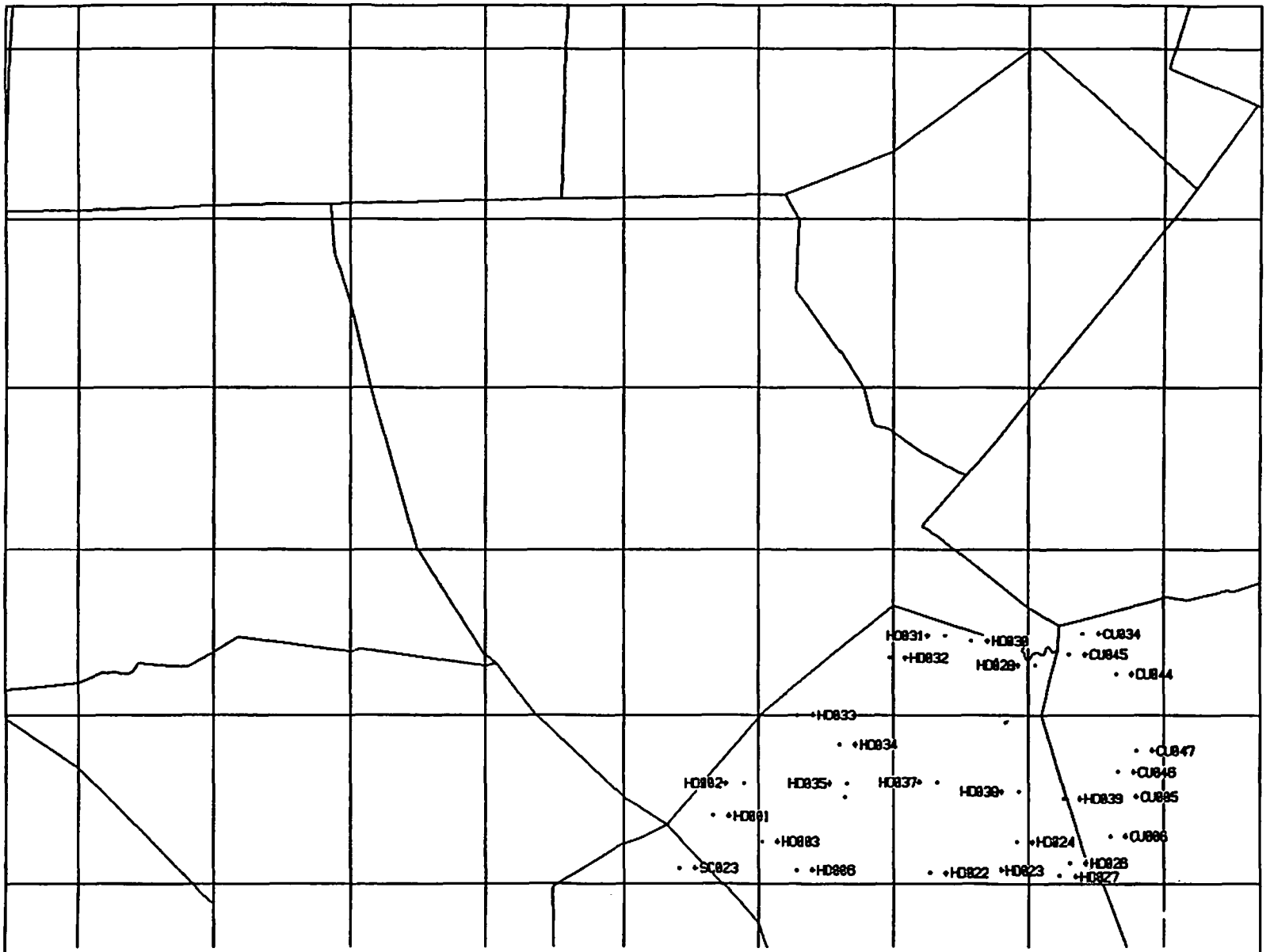

Figure 4. Stream water Sites - Southern Pines 30 x 60 Minute - Quadrangle

SOUTHERN PINES 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond	U	Th	Hf	Al	Ce	Fe	Mn	Na	Sc	Ti	V	Dy	Eu	La	Sm	Yb	Lu	Au
					um/cm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
229	AN054	35.0959	79.9542	6.8	60	3.2	20	47	17100	82	22300	340	3700	3.5	2700	40	4.5	M	40	4	4.2	0.6	
230	AN055	35.0391	79.9202	7.1	55	6.9	59	27	30500	224	35200	360	5500	9.5	9100	80	16.0	-1.6	109	23	12.7	1.9	
231	AN056	35.0296	79.9524	7.3	50	6.0	41	32	52800	155	31800	1130	13100	15.8	5600	80	7.5	5.9	114	16	7.0	1.2	
232	AN057	35.0269	79.9741	7.4	50	4.6	36	27	29500	203	24300	440	8700	6.0	4900	40	7.8	-1.0	M	M	M	1.1	
235	AN060	35.0190	79.9124	7.3	70	1.6	14	7	62100	-20	47900	1430	13700	19.6	4900	170	3.1	-1.0	M	M	M	-0.4	
1491	CU005	35.0646	79.0403	6.2	11	12.9	61	72	5800	270	11400	220	100	4.3	13500	40	18.0	0.8	149	20	12.3	1.9	
1492	CU006	35.0352	79.0501	5.3	22	5.4	17	42	11700	65	10700	M	M	2.4	M	20	0.5	-1.0	40	7	M	0.4	
1520	CU034	35.1862	79.0751	4.8	15	47.7	276	226	8700	1210	12100	240	100	7.0	16600	60	45.3	-1.0	632	47	36.8	5.6	
1530	CU044	35.1560	79.0446	6.9	23	55.1	245	235	1400	1083	8400	M	M	7.0	M	60	3.0	-1.0	597	88	34.4	4.8	
1531	CU045	35.1707	79.0876	5.4	12	183.1	1055	485	5000	4431	-5000	420	M	13.2	31400	80	211.8	5.2	M	109	59.1	10.5	
1532	CU046	35.0828	79.0426	5.1	12	11.0	51	43	4700	196	10900	M	M	2.4	M	20	0.8	-1.1	98	16	8.2	1.1	
1533	CU047	35.0986	79.0252	5.1	17	4.1	20	18	9200	86	11400	80	100	3.0	5000	20	5.8	1.6	46	7	5.2	0.5	
2788	HO001	35.0500	79.4172	5.6	28	17.9	86	72	4100	370	-5000	150	100	4.8	12200	40	30.2	M	200	23	7.8	1.4	
2789	HO002	35.0743	79.3894	6.0	30	15.7	102	51	5100	468	-5000	120	100	2.9	6600	20	27.3	M	245	31	6.8	1.5	
2790	HO003	35.0311	79.3714	6.0	29	10.8	57	57	18100	222	8700	100	400	4.9	9000	110	14.9	M	112	17	4.4	1.0	
2793	HO006	35.0104	79.3392	5.2	28	12.0	56	55	8600	226	6800	60	100	3.2	5800	20	11.7	0.9	117	10	4.2	0.9	0.020
2809	HO022	35.0081	79.2164	6.1	35	8.7	45	56	22200	179	17200	80	100	5.6	7800	40	9.6	-1.1	84	13	9.8	1.1	
2810	HO023	35.0104	79.1654	5.3	30	12.1	47	79	2600	200	5400	90	100	2.1	7500	20	13.4	-1.0	117	15	7.7	1.4	
2811	HO024	35.0308	79.1362	5.4	24	12.6	66	57	3600	280	7400	130	100	5.4	8600	30	15.3	-1.0	152	7	6.9	1.1	
2813	HO026	35.0156	79.0872	6.2	85	5.6	24	42	5400	106	5900	40	100	3.2	6200	20	5.3	-1.4	55	9	3.7	0.5	
2814	HO027	35.0059	79.0966	4.9	61	12.9	54	108	9700	242	8300	70	100	2.1	7900	30	14.8	-1.0	137	19	10.2	1.5	
2815	HO028	35.1626	79.1187	5.8	11	35.8	152	140	4600	668	11000	210	100	5.9	16600	60	34.6	-1.6	376	57	15.6	2.8	
2816	HO029	35.1667	79.1546	5.3	11	17.0	101	55	39900	490	16500	90	200	5.6	7400	50	14.4	1.8	253	44	5.1	1.3	
2817	HO030	35.1806	79.1782	5.0	11	139.8	562	450	3900	2521	9700	210	100	7.8	12800	40	90.5	8.8	1448	199	39.2	6.5	
2818	HO031	35.1846	79.2021	4.7	15	42.9	216	160	4700	935	8000	250	100	6.2	15700	50	46.8	-2.0	539	78	21.8	3.4	
2819	HO032	35.1680	79.2532	5.0	11	11.8	68	42	10300	302	8400	70	100	3.2	5300	20	10.4	-1.1	155	13	8.6	1.2	
2820	HO033	35.1254	79.3381	5.3	12	31.9	147	141	4200	667	6900	170	100	6.4	11700	40	32.6	9.5	364	52	16.7	2.9	0.031
2821	HO034	35.1032	79.2994	4.9	12	24.9	134	94	10500	605	9700	420	M	6.9	8900	50	1.1	M	339	54	8.2	1.8	
2822	HO035	35.0744	79.2923	5.2	11	7.6	38	36	9900	159	9600	50	100	6.5	4900	20	6.8	-1.0	80	12	5.4	0.9	
2823	HO036	35.0644	79.2941	5.2	12	5.8	15	26	1800	70	-5000	40	M	2.4	3600	10	4.8	-1.0	40	7	3.1	0.3	
2824	HO037	35.0754	79.2093	4.9	17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	K	M	M	
2825	HO038	35.0682	79.1343	4.8	14	12.9	48	47	12200	208	7600	60	100	2.1	5200	30	12.8	-1.8	122	17	6.0	1.0	
2826	HO039	35.0631	79.0924	4.9	13	5.8	11	3	100100	125	30600	50	500	11.3	10200	200	12.0	2.7	73	10	3.0	0.4	
2827	HR001	35.2634	79.1649	4.4	50	20.6	84	60	6900	370	6500	170	300	2.9	11900	30	25.2	M	201	22	7.4	1.3	
2828	HR002	35.2339	79.1321	4.2	40	37.9	149	151	6500	583	9400	220	100	8.2	16700	50	31.5	3.8	324	85	24.4	2.8	
2829	HR003	35.2491	79.1061	4.4	45	10.7	39	36	3600	177	-5000	50	100	2.1	4000	10	4.4	M	98	21	4.7	0.8	

SOUTHERN PINES 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
2830	HR004	35.2242	79.0932	5.0	20	5.8	12	8	69700	115	-5000	70	500	6.9	5100	80	8.0	M	50	16	M	0.2	0.055
2831	HR005	35.2562	79.0785	4.8	71	31.0	119	104	3700	669	-5000	120	100	4.3	11800	40	35.0	M	295	75	14.6	2.8	
2832	HR006	35.2204	79.0340	4.6	30	30.9	M	100	6500	M	M	280	200	4.8	14800	40	20.4	M	427	M	M	M	
2833	HR007	35.2418	79.0427	5.6	50	4.0	15	19	4500	52	-5000	40	100	1.6	3200	10	4.3	M	28	4	M	0.1	
2834	HR008	35.2570	79.0109	4.7	32	23.4	86	87	9200	395	5300	M	200	3.5	6900	40	9.7	M	197	19	20.0	2.0	
2836	HR010	35.2998	79.0832	4.8	30	12.6	49	49	8400	186	7100	90	200	3.5	6600	30	8.2	M	114	15	M	0.7	
2837	HR011	35.2984	79.1141	5.3	30	13.6	53	55	8700	246	-5000	160	200	4.2	11800	40	19.3	M	118	33	5.9	1.1	
2838	HR012	35.3089	79.1104	4.6	20	3.3	M	14	17900	M	M	40	100	3.8	3700	30	3.0	M	M	6	M	M	
2839	HR013	35.3277	79.1114	4.7	30	62.0	290	225	8600	1257	10500	260	300	6.0	15000	40	51.2	M	688	128	20.3	3.0	
2846	HR020	35.2805	79.0152	M	M	17.8	66	54	14300	312	9200	120	400	2.4	8200	30	14.7	2.7	156	36	7.3	1.4	
2850	HR024	35.3540	79.0193	5.6	35	10.9	M	42	4600	M	M	220	500	4.8	9400	20	11.6	M	M	24	M	M	
2851	HR025	35.3359	79.0359	4.9	20	10.1	32	55	8000	125	7900	90	100	3.3	6900	20	6.0	M	68	9	5.7	1.1	
2852	HR026	35.3281	79.0659	5.3	24	42.4	205	149	4700	953	11700	270	200	4.3	14700	40	34.4	4.0	448	104	15.4	3.0	
2853	HR027	35.3545	79.0618	7.0	70	24.6	117	76	13900	531	11900	M	M	3.7	9900	30	12.0	-1.3	270	34	7.6	1.3	
2854	HR028	35.4076	79.0662	7.1	75	6.6	23	29	25700	127	19900	M	M	8.4	M	50	5.3	M	59	8	4.7	1.1	
2855	HR029	35.4247	79.0569	6.6	40	5.9	26	35	8700	127	8000	100	200	2.6	5500	20	3.5	-1.0	50	5	M	0.5	
2856	HR030	35.4040	79.0377	7.1	45	11.4	53	55	11100	234	10300	210	200	2.9	7600	30	10.6	M	120	23	M	0.6	
2857	HR031	35.3981	79.0197	6.7	30	6.4	30	18	40000	106	19300	330	1900	7.3	7500	70	7.9	M	59	20	3.6	0.5	
2900	HR074	35.4491	79.0328	6.9	45	8.5	27	59	16100	131	17600	240	1200	5.4	8700	50	7.0	M	71	9	5.5	1.0	
3469	LE016	35.4901	79.0511	7.5	49	6.6	34	45	19100	123	10100	340	4800	5.8	6700	50	8.8	M	64	9	8.2	0.3	
3470	LE017	35.4596	79.0318	7.5	65	2.7	7	18	7400	38	6300	110	400	1.9	3700	20	3.3	-1.0	19	3	1.8	0.3	
3471	LE018	35.4437	79.0712	7.0	55	6.5	29	31	24500	102	15300	180	1100	3.8	9700	60	11.3	-1.2	62	17	6.4	0.7	
3472	LE019	35.4294	79.0797	7.4	105	2.1	7	11	32000	30	35400	350	3100	9.2	3200	60	4.3	M	28	7	M	0.4	
3473	LE020	35.4428	79.1173	7.3	50	31.0	165	156	35000	781	42200	1110	1400	11.7	8800	100	13.9	M	355	53	12.2	1.4	
3474	LE021	35.4912	79.1249	7.3	60	3.7	11	20	22900	43	13100	220	6800	5.8	4900	30	4.1	-1.1	25	4	1.7	0.4	
3477	LE024	35.4866	79.2347	7.2	185	4.5	7	50	9100	39	28600	80	1300	4.4	6600	30	3.8	M	18	3	4.4	0.7	
3478	LE025	35.4993	79.2708	7.0	80	1.9	-3	9	51200	42	29900	430	8100	8.2	M	50	M	M	24	4	3.0	0.3	
3481	LE028	35.4591	79.3050	M	M	2.6	-1	19	11700	20	9700	100	1700	2.9	5000	20	2.5	-1.0	10	2	2.1	0.4	
3482	LE029	35.4645	79.2504	7.2	115	3.7	7	41	7300	-20	19100	60	1600	3.1	6900	20	4.3	-1.0	13	2	5.8	0.7	
3483	LE030	35.4594	79.1992	M	M	2.5	7	18	18500	43	14900	260	2100	3.4	7000	40	6.9	-1.6	15	3	M	0.4	
3484	LE031	35.4606	79.1820	M	M	1.5	-3	7	25400	-26	19700	380	4900	5.1	3400	40	4.3	-1.4	12	3	M	0.4	
3485	LE032	35.4386	79.2609	7.1	85	5.8	17	47	10900	78	18000	200	2000	3.4	9600	30	4.3	-1.4	42	7	5.0	0.8	
3486	LE033	35.4302	79.3042	M	M	4.0	15	14	19600	55	25000	180	1700	4.3	3800	30	5.4	3.4	29	5	2.0	0.4	
3487	LE034	35.4083	79.2581	M	M	4.6	11	18	4700	52	5100	70	100	1.2	5500	20	4.6	-1.2	28	4	4.4	0.4	
3488	LE035	35.4127	79.1941	7.0	210	3.7	17	20	24000	57	10100	120	3700	4.3	3500	20	5.9	-1.2	30	5	3.0	0.6	
3489	LE036	35.4226	79.1405	7.3	255	6.0	30	25	25800	156	31500	250	2800	9.2	5100	70	5.0	M	80	12	M	0.6	

SOUTHERN PINES 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
3490	LE037	35.3792	79.1329	6.2	38	10.2	44	33	38800	211	11600	510	5400	4.5	3800	20	7.2	M	100	15	8.1	1.0	
3491	LE038	35.3954	79.1771	6.1	55	16.0	67	84	9800	271	7800	100	1400	4.2	5600	20	15.3	M	155	32	4.9	1.2	
3492	LE039	35.3817	79.2097	M	M	23.0	114	91	6000	503	8200	90	100	2.3	6500	20	20.7	M	268	63	6.4	1.5	
3493	LE040	35.3613	79.2493	5.6	55	13.0	66	40	15100	-20	-5000	140	4100	5.0	4900	20	12.8	-1.3	159	30	5.8	M	
3494	LE041	35.3410	79.2305	M	M	64.3	M	111	16400	M	M	140	1400	8.4	7900	30	49.6	M	1076	M	M	M	
3495	LE042	35.3129	79.1990	M	M	5.8	18	19	21300	95	6700	70	400	6.5	5200	30	5.1	-1.7	44	6	2.4	0.3	
3496	LE043	35.3555	79.1788	M	M	2.7	12	12	15200	38	-5000	190	3100	4.1	3800	20	3.2	-1.1	19	2	5.6	M	0.019
3497	LE044	35.3627	79.1601	M	M	8.3	36	39	7900	138	8500	420	900	2.8	11300	30	4.7	2.8	77	13	3.9	0.4	
3936	MG001	35.3476	79.9104	6.9	91	2.7	8	34	89900	31	17500	440	16200	17.5	4000	50	3.9	-1.0	20	4	5.4	0.4	
3937	MG002	35.3455	79.8009	7.2	348	4.9	23	21	128000	95	80700	1380	11400	54.9	8300	320	2.7	-1.1	M	M	M	M	
3938	MG003	35.3224	79.7991	6.7	105	15.0	82	74	108300	373	103400	1250	13500	43.3	14700	220	8.0	4.5	189	30	23.0	1.4	0.763
3939	MG004	35.3023	79.8020	6.9	61	49.8	119	174	98500	568	30600	1130	6800	45.8	6500	140	3.8	2.5	260	35	M	1.0	
3940	MG005	35.3105	79.7422	6.9	550	182.0	1645	817	21800	7238	28800	480	1100	23.2	43500	170	188.5	15.0	M	530	62.4	8.0	
3941	MG006	35.3603	79.7650	5.9	89	4.8	12	33	111900	71	42300	950	50000	18.8	6900	60	0.7	2.7	M	2	M	M	
3942	MG007	35.3527	79.8633	6.1	40	6.8	13	66	111200	73	31500	1400	36300	13.1	5500	20	0.7	-1.0	43	3	M	1.5	
3943	MG008	35.3859	79.8814	7.5	165	5.6	12	28	91600	93	60200	1500	5500	29.8	4500	120	M	2.6	48	8	5.7	0.8	
3944	MG009	35.3752	79.8219	7.0	85	4.9	-2	14	170100	86	98100	2190	29800	41.9	16300	380	M	-1.2	M	9	M	-0.2	
3945	MG010	35.3369	79.7494	6.6	63	M	61	89	86800	261	28600	1360	M	27.4	1100	70	1.8	-1.0	156	27	M	0.7	
3946	MG011	35.4033	79.8177	6.9	68	11.9	59	45	115900	221	294600	1200	18500	36.2	51100	1010	M	-1.2	102	16	M	0.9	
3947	MG012	35.3886	79.8357	6.8	45	67.1	294	285	77000	1328	68200	700	2900	28.0	24200	210	40.7	5.5	1043	108	14.8	3.0	0.238
3948	MG013	35.4578	79.8442	6.2	45	2.8	14	14	44100	M	12500	480	18300	6.7	4500	50	M	-1.0	M	M	M	-0.2	
3950	MG015	35.4408	79.7558	6.4	70	4.2	20	18	85600	162	40400	820	21900	21.7	7500	90	M	-1.0	M	8	M	-0.4	
3951	MG016	35.4212	79.7650	6.5	61	4.3	21	35	64400	-50	35100	450	15700	18.1	9000	70	0.8	-1.0	23	6	M	M	
3952	MG017	35.4133	79.7459	6.4	72	4.6	-1	17	108000	-20	13600	1230	28100	29.7	7600	70	1.1	-1.0	25	6	M	0.9	
3953	MG018	35.3926	79.7388	7.2	45	4.5	M	24	64200	-20	22900	580	23300	13.7	10600	40	M	-1.0	12	4	M	0.6	
3954	MG019	35.4867	79.7622	6.6	49	4.2	-1	11	120300	82	43100	830	18800	26.2	5500	110	M	-1.0	M	M	21.7	-0.2	
3955	MG020	35.4874	79.8283	6.6	41	1.4	-2	12	19600	25	9100	190	5000	4.4	1300	20	2.4	M	12	3	M	0.8	
3956	MG021	35.4993	79.8635	6.6	48	1.5	5	8	25600	-20	21900	270	3100	8.6	1900	40	1.6	-1.0	11	2	2.1	0.3	
3957	MG022	35.4670	79.8685	6.5	51	1.4	5	10	26100	-20	12300	230	5000	6.5	1400	30	M	4.4	12	4	6.5	1.0	
3958	MG023	35.4027	79.8373	6.6	40	1.3	-3	3	5600	72	90800	40	300	21.6	300	M	2.5	-1.0	19	6	4.6	-0.2	
3959	MG024	35.4206	79.8983	6.6	44	2.2	7	11	14900	56	32600	260	1900	11.0	2200	20	1.7	-1.0	21	7	4.6	0.8	0.170
3960	MG025	35.4344	79.9005	6.6	40	2.0	9	14	28100	25	20100	430	4300	8.6	1800	30	1.9	-1.0	20	3	2.6	0.5	
3961	MG026	35.4319	79.9443	M	M	2.0	-3	20	35900	35	18200	320	3900	13.3	M	20	M	2.0	M	4	2.3	0.7	
3962	MG027	35.4803	79.9498	6.6	48	1.3	-1	9	26800	-20	15500	320	M	10.2	3000	50	0.8	-1.7	M	2	3.4	-0.2	
3964	MG029	35.4857	79.9109	6.2	50	1.8	8	14	23400	27	10700	240	1700	4.7	1600	10	1.9	-1.0	18	1	M	0.8	
3965	MG030	35.4766	79.9129	6.4	55	1.5	-6	11	27100	18	19300	400	1500	8.9	1500	30	0.7	-1.2	13	5	M	0.7	

SOUTHERN PINES 100K QUADRANGLE - STREAM SEDIMENT

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3966	MG031	35.3981	79.9274	6.2	39	2.0	7	14	29200	-20	19900	320	7700	11.5	1500	40	1.7	-1.6	14	2	3.2	0.6	
3967	MG032	35.3707	79.9268	5.9	60	1.7	-2	25	24000	53	11800	220	6600	3.2	1600	10	1.1	-1.0	M	3	4.7	M	0.147
3968	MG033	35.4481	79.9583	6.2	34	1.9	7	16	21700	25	12300	470	3600	3.0	600	M	M	1.7	13	4	1.8	0.3	
3969	MG034	35.4867	79.9809	6.6	51	0.9	-3	6	26000	56	25000	330	2000	13.2	1600	80	0.7	-1.0	15	M	3.7	0.7	
3970	MG035	35.4993	79.9909	6.5	55	1.1	-3	2	23500	32	24800	330	700	6.2	2500	50	1.3	-1.4	12	1	4.6	M	
3971	MG036	35.4337	79.9976	6.5	85	1.8	11	2	3900	139	75000	60	200	17.1	M	M	2.7	6.3	46	10	4.8	0.9	
3972	MG037	35.3565	79.9751	5.3	38	1.8	6	20	20700	-20	13500	220	4100	4.2	2100	20	3.1	-1.0	12	1	4.2	0.6	
3973	MG038	35.3195	79.9550	6.0	47	1.6	6	11	29200	38	12700	350	4600	4.3	1700	10	3.4	1.7	9	2	6.9	0.7	
3974	MG039	35.3141	79.9788	6.0	39	1.2	-2	8	22800	-20	11100	200	6600	3.3	1100	10	1.6	-1.0	14	M	3.5	M	
3990	MG055	35.2130	79.9825	6.4	80	8.1	19	28	151500	200	114600	1510	3600	47.2	8800	190	M	-1.0	45	11	M	0.8	
3991	MG056	35.3262	79.8511	7.1	61	9.4	24	48	142300	142	85700	1550	17300	56.9	4500	130	1.2	M	72	13	M	0.7	
3992	MG057	35.3021	79.8858	6.1	40	8.4	18	64	120000	85	51500	1110	19900	16.6	6000	70	0.5	M	556	4	10.7	1.4	
3993	MG058	35.2850	79.9272	6.2	50	4.5	7	31	88000	30	43100	700	13800	15.6	5900	60	4.9	-1.0	23	5	7.7	1.0	
3994	MG059	35.2875	79.9848	6.5	49	3.3	19	32	57900	M	-5000	900	14100	7.8	7900	70	M	-1.7	M	M	M	-0.4	
3996	MG061	35.2388	79.9779	5.9	78	7.9	28	45	125400	98	70500	1390	2600	41.6	9700	210	1.7	-2.0	45	8	8.9	0.9	
3997	MG062	35.2460	79.9601	6.6	64	5.8	12	22	117400	-63	107900	2120	5800	32.3	10500	210	1.0	9.6	20	5	26.0	-0.2	
3998	MG063	35.2529	79.9440	6.3	58	6.4	16	26	106500	102	62800	1580	4900	39.4	6300	110	0.9	-1.0	43	8	M	0.9	
3999	MG064	35.2121	79.9364	6.3	100	5.9	10	19	131500	107	84300	2020	30000	25.8	18200	300	10.1	3.6	48	13	14.1	M	
4000	MG065	35.2051	79.9535	6.7	100	8.9	36	40	96900	-20	87300	1180	8400	49.1	11500	260	9.6	-1.0	282	6	M	0.7	
4001	MG066	35.1794	79.9863	6.4	62	8.6	9	19	143700	111	75600	1400	2500	52.9	10200	180	M	-1.0	51	10	M	0.8	
4004	MG069	35.1797	79.9624	6.2	66	0.2	M	M	M	M	M	M	M	1.3	M	M	M	M	M	M	M	M	
4005	MG070	35.1966	79.9063	6.6	71	5.0	9	31	128500	77	74100	1150	10100	43.3	8100	180	1.0	-1.1	25	5	3.9	0.5	
4006	MG071	35.2301	79.8975	6.3	109	4.2	-1	3	186200	89	109200	1790	20500	70.5	5100	260	28.2	-1.0	29	7	M	0.6	
4007	MG072	35.2482	79.8877	6.4	69	5.3	10	20	148100	-20	97900	2520	27200	49.7	87400	230	1.3	3.0	46	23	M	-0.2	
4008	MG073	35.2852	79.8846	5.9	50	6.0	14	33	115100	-20	101900	940	12400	41.7	6300	170	1.6	-1.1	21	6	M	M	
4009	MG074	35.2653	79.8525	6.9	60	5.9	24	48	62700	-20	22000	360	21600	10.7	13400	70	11.3	-1.0	43	14	M	1.6	
4010	MG075	35.2751	79.8196	6.4	50	8.7	17	49	92900	-45	30100	850	8700	25.7	3700	70	0.2	-1.6	61	9	M	M	
4011	MG076	35.2567	79.7846	7.3	170	16.4	44	84	84700	238	54400	M	M	27.9	800	M	1.6	M	132	32	M	1.0	
4012	MG077	35.2362	79.8133	7.2	65	10.2	62	35	69100	217	61900	1040	8300	24.8	18400	140	16.3	7.3	99	22	M	1.2	
4013	MG078	35.2250	79.8458	7.2	90	5.9	14	29	153000	132	95400	1970	14000	67.4	6300	370	1.0	-1.0	43	7	M	0.6	
4014	MG079	35.2104	79.8561	M	M	7.5	12	13	98600	55	53600	1750	6900	13.6	6600	80	13.9	4.2	39	9	4.9	0.5	
4015	MG080	35.1873	79.8789	5.6	161	5.5	19	27	90300	-20	78500	1270	21600	16.7	13600	170	11.6	-1.0	64	7	M	0.7	
4016	MG081	35.1933	79.8531	7.0	80	11.3	27	75	59700	152	36400	560	9700	18.8	41300	100	0.8	M	71	13	11.9	1.0	
4017	MG082	35.1770	79.8218	5.9	110	6.8	21	46	53800	113	38500	2410	5800	16.6	14100	80	3.0	-1.0	42	9	10.0	1.3	
4018	MG083	35.1952	79.7873	5.5	50	14.5	79	81	58200	314	45700	1500	4700	18.9	19200	110	13.2	M	158	25	M	0.9	
4019	MG084	35.2215	79.7599	6.2	51	58.9	241	223	38600	1160	13500	510	3200	26.2	11000	90	10.2	M	614	83	14.1	2.9	

SOUTHERN PINES 100K QUADRANGLE - STREAM SEDIMENT

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4020	MG085	35.1822	79.7604	6.1	34	29.9	183	123	36100	783	38100	800	5100	14.6	26800	130	33.6	M	455	69	7.7	2.6	
4021	MG086	35.1775	79.6989	5.5	25	237.8	553	664	18400	2268	-6300	310	1200	26.8	33500	130	86.8	M	1467	201	41.0	4.7	
4022	MG087	35.2080	79.7103	4.9	21	25.6	146	82	10900	710	15500	290	200	14.5	28800	120	28.9	5.3	358	63	12.2	1.7	
4023	MG088	35.2077	79.6660	5.5	20	39.4	283	109	27800	1213	25800	430	7200	9.3	25400	110	47.4	7.7	1030	97	19.5	2.8	
4024	MG089	35.2454	79.7020	5.2	20	32.6	236	92	11200	868	25500	190	200	17.3	18500	100	45.9	2.4	430	84	21.5	2.1	
4025	MG090	35.2736	79.7208	6.1	40	16.2	152	48	17200	585	20100	120	700	13.1	12300	70	23.2	-1.0	212	72	19.1	2.4	
4026	MO001	35.3220	79.2482	7.0	120	90.9	512	285	16700	2208	11100	400	2800	10.2	14600	60	92.9	M	1207	145	32.6	4.6	
4027	MO002	35.3026	79.2049	M	M	22.4	102	116	36500	488	-5000	140	300	4.4	24100	30	33.0	M	241	30	14.2	2.1	
4028	MO003	35.2688	79.2255	6.0	51	100.0	654	436	24200	2944	29500	570	800	13.6	22700	80	121.8	17.6	1459	331	32.6	7.4	
4029	MO004	35.1808	79.1014	4.3	30	12.5	69	78	19800	-29	-5000	150	300	7.8	9300	30	14.1	M	160	33	7.2	-0.2	
4030	MO005	35.1876	79.1395	6.1	40	39.6	248	168	11900	1138	8500	130	200	5.4	8400	40	38.6	14.5	585	137	10.0	2.4	
4031	MO006	35.1539	79.3556	4.5	20	26.6	146	135	M	728	9200	160	100	7.6	12900	40	30.6	M	347	92	16.9	2.5	
4032	MO007	35.1623	79.3511	5.7	29	23.4	286	83	7500	1250	6700	100	100	6.1	8900	40	29.3	M	507	83	20.5	3.2	
4033	MO008	35.1910	79.2935	5.3	39	12.7	75	74	48300	305	10300	80	100	14.1	7200	50	15.0	M	157	33	4.8	0.8	
4034	MO009	35.1977	79.2870	3.9	25	15.0	M	61	4100	M	M	100	100	3.2	7200	20	19.1	M	206	M	M	M	
4035	MO010	35.2057	79.2113	5.0	40	27.2	161	108	19600	742	5200	260	900	8.9	10300	30	32.8	-1.2	348	44	13.3	2.2	
4036	MO011	35.2333	79.2552	5.0	90	7.8	40	43	9200	170	6400	100	200	4.1	7900	30	10.6	-2.0	85	22	7.1	1.2	
4037	MO012	35.2472	79.2980	5.1	25	33.8	174	128	21900	846	-6400	M	1900	14.8	17800	30	33.4	M	404	55	19.1	2.5	
4038	MO013	35.2291	79.2921	4.0	20	76.0	M	201	5200	M	M	200	200	6.7	13600	40	61.8	M	1240	M	M	M	2.426
4039	MO014	35.2310	79.3635	5.9	81	17.3	65	54	3400	315	5200	80	100	2.8	7000	20	15.4	-2.0	151	19	5.1	1.0	
4040	MO015	35.2169	79.3943	4.1	20	2.8	6	10	3400	50	7900	110	100	2.4	8400	20	2.0	-1.0	20	6	M	0.1	
4041	MO016	35.1775	79.4267	4.6	20	67.7	M	M	6700	M	M	170	100	M	14900	60	56.5	M	912	M	M	M	
4042	MO017	35.1463	79.4054	5.7	23	49.9	212	197	4600	948	5100	160	100	7.1	13700	50	44.2	4.7	511	125	22.0	3.5	
4043	MO018	35.1057	79.4047	4.2	21	29.4	178	92	4700	795	7400	110	100	3.7	10300	40	26.8	3.1	389	71	11.1	2.1	
4044	MO019	35.0996	79.4643	5.6	22	28.5	135	108	3800	630	-5000	90	100	2.8	9400	30	29.4	M	382	87	14.8	1.8	
4045	MO020	35.0767	79.4630	5.3	30	21.5	92	66	3200	437	-5000	70	100	1.8	5900	20	20.3	M	246	30	6.3	1.4	
4046	MO021	35.0800	79.5311	5.2	22	13.5	65	48	7800	255	-5000	50	100	3.4	5100	20	13.2	M	136	38	2.9	0.7	
4047	MO022	35.1242	79.5447	4.6	18	59.7	258	149	4500	1194	-8200	210	100	6.0	13600	40	52.3	M	619	144	14.9	2.8	
4048	MO023	35.1425	79.5434	5.2	10	16.0	73	45	2700	352	6100	130	M	4.1	12100	30	16.1	M	186	22	7.1	1.2	
4049	MO024	35.1323	79.4933	5.4	21	9.5	M	M	3000	M	M	90	100	3.5	11000	20	M	M	139	M	M	M	
4050	MO025	35.1281	79.4505	5.0	20	160.8	927	405	2900	4006	-7000	160	100	5.9	14500	50	153.3	21.5	M	247	31.1	5.4	
4051	MO026	35.1531	79.4405	4.2	20	7.2	28	35	2800	119	-5000	50	M	2.2	5500	20	6.6	M	60	16	3.0	0.6	
4052	MO027	35.1588	79.4949	5.8	31	8.7	35	27	6100	204	5300	70	100	3.2	5600	20	10.0	-2.0	87	19	5.6	0.8	1.064
4053	MO028	35.1782	79.5294	4.6	18	45.3	202	164	M	928	8100	970	M	8.1	12700	M	17.9	-1.3	459	52	16.0	2.4	
4054	MO029	35.2003	79.5379	4.4	18	25.5	102	66	24500	494	19600	220	300	6.3	13000	70	17.8	M	225	27	11.2	2.0	
4055	MO030	35.1790	79.5536	4.8	20	9.8	38	35	5800	176	6700	100	200	2.7	7900	30	10.5	M	92	16	3.6	1.2	

SOUTHERN PINES 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
4056	MO031	35.2862	79.2631	6.1	59	49.6	256	133	17800	1130	23400	470	2700	7.1	15100	60	39.8	M	567	106	19.7	3.4	
4057	MO032	35.3155	79.2994	6.1	61	10.1	36	32	19300	182	13800	230	3100	8.3	7600	50	5.3	M	94	13	7.2	0.8	
4058	MO033	35.3080	79.3408	6.1	50	11.5	48	31	14100	254	7300	220	3100	4.7	7000	30	10.4	M	112	23	4.7	1.0	
4059	MO034	35.2749	79.3712	5.4	55	69.0	450	152	12600	2124	8900	330	1200	5.5	17100	50	42.6	6.6	929	138	24.7	3.8	
4060	MO035	35.2457	79.3637	M	M	9.5	34	33	27300	152	12200	170	200	4.7	8900	60	14.2	M	72	16	4.3	0.7	
4061	MO036	35.2508	79.4117	5.3	30	53.8	241	137	12500	-27	-5000	190	600	5.0	11600	40	40.7	M	577	164	M	-0.2	
4062	MO037	35.2678	79.4156	5.5	21	12.1	45	35	15100	248	8100	180	2000	2.5	7700	30	7.2	-1.0	114	14	2.7	1.1	
4063	MO038	35.2875	79.4519	M	M	12.3	63	52	10700	264	7300	170	900	2.5	9400	30	11.5	M	144	34	4.8	1.2	
4064	MO039	35.2678	79.4698	5.3	20	19.2	89	53	10400	414	-5000	200	900	2.8	12900	40	24.5	M	195	64	10.3	1.1	
4065	MO040	35.2211	79.4500	4.3	15	8.3	30	23	4200	133	-5000	70	100	2.5	6700	20	9.3	-1.7	77	22	7.0	0.7	
4066	MO041	35.2128	79.4906	4.7	19	20.3	97	51	7300	457	6500	110	200	5.0	8300	40	16.0	-1.6	219	36	11.6	2.2	
4067	MO042	35.2350	79.4938	3.9	25	2.3	11	8	5700	-20	-5000	40	200	1.6	3000	10	2.7	-1.0	15	5	M	M	
4068	MO043	35.2684	79.5087	4.9	20	21.6	M	M	15600	M	M	160	500	M	8700	30	21.7	M	310	M	M	M	
4069	MO044	35.3527	79.4534	7.0	135	3.8	8	21	13400	43	17700	190	2100	3.5	7500	30	5.5	1.2	24	3	8.6	0.4	0.023
4070	MO045	35.3100	79.3826	4.0	2	8.6	39	32	3600	155	-5000	50	100	0.9	5300	20	7.7	-1.0	89	16	4.0	0.6	
4071	MO046	35.3334	79.3424	7.0	75	3.8	14	12	35200	84	26300	330	2400	7.4	4800	50	6.9	M	41	11	M	0.6	
4072	MO047	35.3414	79.2881	M	M	35.2	214	90	7900	1027	9000	110	100	3.3	9700	30	23.7	3.0	482	70	11.8	2.1	
4073	MO048	35.3686	79.2813	M	M	12.5	63	27	42700	322	37600	990	7900	6.0	5700	70	13.8	M	165	18	4.7	0.7	
4074	MO049	35.3819	79.3286	6.3	70	20.0	97	64	7100	521	-5000	110	200	2.8	8100	20	10.6	M	229	29	8.6	1.6	
4075	MO050	35.4061	79.3544	6.4	50	2.8	12	14	22600	43	31800	250	2800	2.9	4400	40	2.5	-1.5	28	5	M	-0.2	
4076	MO051	35.3748	79.3746	6.4	170	6.4	25	20	23800	135	12500	280	4700	3.5	7900	40	14.5	-1.9	66	13	5.1	0.7	
4077	MO052	35.4922	79.4183	6.8	81	1.5	8	2	68300	19	42800	740	8300	14.1	4000	120	M	1.1	16	2	9.5	0.3	0.035
4078	MO053	35.4334	79.3857	M	M	2.1	8	4	42400	55	24400	250	3300	9.8	5100	100	4.5	M	21	3	3.9	0.4	
4079	MO054	35.3755	79.4245	6.5	69	3.7	16	17	22100	81	17600	390	4200	4.5	5800	40	4.9	-1.1	36	5	M	0.5	
4080	MO055	35.3716	79.4557	6.2	30	6.8	33	32	17300	172	16000	280	3600	5.3	6500	30	10.2	M	80	12	6.1	0.9	
4081	MO056	35.3749	79.4970	6.6	90	4.1	20	16	23800	80	31100	580	4500	3.1	5600	50	4.0	M	42	9	3.4	0.9	
4082	MO057	35.3478	79.4779	6.6	50	4.8	16	20	16300	83	20000	130	3400	3.8	6200	30	3.6	-1.7	46	6	2.0	0.5	
4083	MO058	35.3203	79.5076	6.6	51	7.1	29	20	19500	156	21500	180	2600	3.3	6100	30	8.8	-1.2	75	11	3.3	0.9	
4084	MO059	35.2836	79.5527	5.7	20	196.6	1079	748	6400	4758	12300	600	200	15.2	38600	110	215.2	12.7	M	311	60.9	9.6	
4085	MO060	35.2575	79.5563	5.0	19	31.0	144	81	4400	656	11100	130	100	4.0	10200	30	30.2	M	343	66	14.1	2.5	
4086	MO061	35.2355	79.5293	4.7	20	165.6	855	350	4900	3714	11700	320	100	12.3	22800	70	117.1	9.3	M	383	58.5	7.9	
4087	MO062	35.1615	79.5914	5.3	15	59.1	278	166	9800	1163	-5000	170	300	5.2	14100	50	42.2	M	640	143	26.0	3.6	
4088	MO063	35.1909	79.5815	5.0	19	34.0	158	103	16800	-40	-5400	200	600	7.5	9100	50	10.2	M	351	M	M	-0.2	
4089	MO064	35.1896	79.6068	5.4	18	73.1	409	205	4600	1974	-5100	200	100	7.0	15000	50	28.8	6.4	928	168	22.9	3.1	
4090	MO065	35.2093	79.6284	5.2	20	63.0	360	178	5300	1690	12800	150	200	4.5	11000	30	49.5	3.9	899	158	17.6	3.2	
4091	MO066	35.1928	79.6492	M	M	54.4	314	140	10300	1421	7000	350	400	4.8	17300	60	61.9	M	722	194	13.2	2.5	

SOUTHERN PINES 100K QUADRANGLE - STREAM SEDIMENT

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4092	M0067	35.2335	79.6601	5.7	26	34.2	181	98	7400	786	10700	160	900	4.8	13400	50	29.2	M	399	66	13.6	1.6	
4093	M0068	35.2293	79.6138	5.7	15	16.8	80	42	7900	340	-5000	150	400	3.5	11100	40	11.9	-1.7	174	25	6.7	1.2	
4094	M0069	35.2487	79.6284	5.2	20	5.5	30	21	6000	86	-5000	70	500	2.5	6900	20	7.9	M	62	8	2.8	0.2	
4095	M0070	35.2883	79.5946	5.6	27	28.7	149	70	35500	706	23100	M	3100	9.1	18400	60	9.0	M	328	39	14.0	1.8	
4096	M0071	35.3176	79.5436	5.8	21	30.9	168	74	22100	791	17100	430	3500	4.4	9200	50	20.4	M	390	71	14.2	1.7	
4097	M0072	35.3317	79.5454	7.0	20	3.7	15	16	24700	57	20900	M	M	3.7	7400	40	6.8	-1.5	32	4	2.8	0.9	
4098	M0073	35.3972	79.5405	M	M	2.2	7	6	54100	-21	45000	1070	4800	17.0	3600	130	M	M	19	4	M	0.3	
4099	M0074	35.4087	79.4847	M	M	2.0	4	19	17700	-20	9200	180	1500	4.5	3900	30	4.6	M	14	3	4.4	0.6	
4100	M0075	35.4406	79.4516	M	M	1.4	4	7	19800	13	9100	250	3500	2.7	5300	30	2.4	-1.0	9	2	M	0.4	
4101	M0076	35.4479	79.4281	7.0	79	2.2	5	12	35900	140	27700	410	7000	7.6	7500	70	4.3	M	18	8	4.6	0.3	
4102	M0077	35.4958	79.4483	6.9	93	1.3	3	2	54300	42	45700	1260	9800	11.8	4500	100	M	-1.0	13	3	4.7	0.3	
4103	M0078	35.4945	79.4874	7.0	69	1.4	4	M	60600	40	41700	1190	18900	10.7	5300	90	6.5	-1.4	14	3	2.2	0.3	
4104	M0079	35.4554	79.5056	6.6	110	0.4	M	4	89300	-20	54000	570	16900	8.6	4400	150	M	-1.0	10	M	3.2	0.2	0.027
4105	M0080	35.4497	79.4863	7.1	80	1.7	M	12	40900	M	M	480	12200	5.0	2700	50	2.2	M	M	M	M	M	
4108	M0083	35.4814	79.5858	7.0	88	1.5	-1	7	62600	-20	37500	1040	13200	14.4	4700	120	M	-1.0	12	2	2.7	M	
4109	M0084	35.4243	79.5423	6.6	121	7.9	30	29	50200	158	27500	730	5900	16.4	5000	90	4.6	M	83	12	M	0.6	
4110	M0085	35.3959	79.5679	6.3	78	1.6	4	6	39100	27	26900	500	5300	12.0	4700	100	3.9	M	19	3	M	-0.2	
4111	M0086	35.4026	79.5968	6.8	109	2.1	4	9	50800	46	30700	570	12700	12.9	4400	90	M	-1.0	13	2	2.0	0.3	
4112	M0087	35.4390	79.6390	6.4	71	1.4	3	7	39900	21	12500	360	14100	3.8	3600	20	2.5	-1.0	9	2	2.2	0.1	
4113	M0088	35.4835	79.6222	6.9	100	2.0	4	8	50400	-20	32800	940	14600	8.8	5600	90	M	1.7	13	2	4.2	M	
4114	M0089	35.4857	79.6388	6.5	122	2.0	3	10	47900	29	28000	930	14300	11.2	4800	80	M	-1.2	12	2	M	-0.2	
4115	M0090	35.4884	79.7473	6.7	202	1.8	-4	9	22100	44	16600	280	3800	5.2	2900	30	1.2	M	11	2	M	-0.3	
4116	M0091	35.2712	79.6813	6.8	30	19.4	152	68	16300	695	18600	240	500	5.0	12700	40	14.2	2.6	332	57	9.7	1.4	
4117	M0092	35.2660	79.6673	5.9	18	19.2	M	49	13800	M	M	130	800	3.8	8000	40	9.0	M	300	M	M	M	
4118	M0093	35.2920	79.6064	M	M	6.6	31	30	20000	211	14600	380	1000	4.2	8000	40	5.2	-1.2	78	11	8.2	0.5	
4119	M0094	35.3143	79.6499	M	M	5.8	21	18	16800	96	6900	50	100	3.2	4600	30	5.5	-1.9	50	9	M	0.5	
4120	M0095	35.3476	79.6419	6.3	20	37.0	175	125	21000	741	15200	250	5000	7.3	11700	60	24.8	4.3	395	58	8.1	1.6	
4121	M0096	35.3921	79.6268	6.2	60	3.3	13	10	49500	71	30000	830	11400	9.1	4300	60	9.7	3.0	35	6	M	0.5	
4122	M0097	35.4493	79.6736	M	M	2.3	7	5	64900	70	38500	220	8600	7.4	7300	50	M	M	19	4	3.6	-0.2	
4123	M0098	35.4636	79.7156	6.9	76	1.2	-1	2	30600	-31	18300	380	7200	7.1	2300	40	M	-1.1	7	1	M	-0.2	
4124	M0099	35.4435	79.7446	6.7	73	1.3	3	M	30500	-20	11200	260	8900	6.0	2500	30	M	-1.0	5	1	M	0.2	
4125	M0100	35.4320	79.7104	6.5	68	1.5	5	7	39800	-20	16600	360	8400	7.0	5300	60	M	-1.0	7	2	5.4	0.2	
4126	M0101	35.3798	79.7187	6.7	131	11.4	79	47	35900	300	20300	450	10900	11.4	6300	50	7.1	-1.1	153	24	5.0	0.8	
4127	M0102	35.3540	79.6979	6.1	40	2.5	9	7	50800	55	26400	610	9300	7.5	4300	50	M	M	20	3	M	0.2	
5160	R1001	35.0582	79.5513	5.8	19	12.7	74	42	5100	299	6400	110	200	3.6	5600	20	18.0	3.9	188	33	8.3	0.6	
5161	R1002	35.0285	79.5447	M	M	5.8	31	23	13400	175	-5000	50	M	4.9	4800	20	7.1	4.8	62	17	7.5	1.5	0.083

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5162	RI003	35.0214	79.5284	5.3	30	32.5	223	146	8100	936	17800	110	M	8.2	11000	40	34.2	4.8	504	93	19.7	3.5	
5163	RI004	35.0806	79.5921	5.4	22	13.1	110	61	4000	582	8000	160	M	9.4	16200	50	17.5	5.9	222	57	9.9	1.2	
5164	RI005	35.1274	79.6001	5.5	30	23.0	171	83	4600	679	15800	80	100	5.5	7500	30	33.3	7.4	382	65	13.5	1.8	
5165	RI006	35.1378	79.6083	5.0	19	35.9	353	107	4000	1723	9700	110	300	6.8	12300	40	53.2	-1.0	728	196	24.4	4.2	
5166	RI007	35.1280	79.6451	4.8	29	21.6	153	56	3900	589	7500	90	200	5.3	8900	30	22.0	3.9	358	63	11.2	1.3	
5167	RI008	35.1233	79.6641	5.9	31	19.0	165	101	3800	715	-5000	100	100	6.8	11100	30	15.1	-1.9	322	82	18.0	2.1	
5168	RI009	35.1510	79.6394	M	M	8.5	54	26	23700	178	15500	110	M	7.4	6500	50	8.7	2.0	120	19	5.1	1.0	
5169	RI010	35.1580	79.6686	5.7	38	33.8	312	116	12900	1389	-7500	120	200	8.9	12700	50	50.4	5.9	646	165	20.7	4.5	
5170	RI011	35.1579	79.6842	5.7	26	21.2	156	89	6200	648	10300	170	400	7.6	15100	50	21.8	3.1	368	64	13.3	1.5	
5171	RI012	35.1271	79.6995	6.0	40	16.1	119	54	17600	618	9600	80	200	6.1	7100	50	19.7	3.3	268	66	16.2	1.9	
5172	RI013	35.1119	79.7421	6.0	31	25.3	163	77	12200	682	13200	140	700	7.0	8700	40	35.1	5.5	425	66	15.5	2.1	
5173	RI014	35.0920	79.7614	5.2	30	48.4	456	147	14200	2343	11000	300	500	8.4	14700	50	50.7	M	996	257	34.9	4.9	
5174	RI015	35.1006	79.7026	4.4	19	11.3	76	38	7600	323	6700	180	200	5.2	8800	30	14.7	2.6	186	31	6.4	-0.2	
5175	RI016	35.0873	79.6899	4.8	15	16.1	144	46	3000	743	6900	130	M	5.1	11700	40	28.5	-1.0	303	85	10.9	2.2	0.222
5176	RI017	35.0800	79.7217	5.1	22	25.3	146	72	28100	702	25700	250	1800	10.2	8700	50	33.9	2.4	387	70	14.5	1.7	
5177	RI018	35.0345	79.7303	5.1	18	70.2	817	173	14100	4092	-6200	150	3400	8.7	10300	40	71.5	M	M	478	47.3	6.1	
5178	RI019	35.0045	79.7346	5.4	22	38.5	310	116	7700	1355	9000	110	200	5.4	9600	40	39.6	7.7	741	140	24.5	2.1	0.110
5179	RI020	35.0348	79.6691	4.4	11	13.1	97	50	1600	478	-6600	110	100	4.8	10200	30	14.3	-1.2	237	59	16.0	1.0	
5180	RI021	35.0266	79.6409	4.2	11	14.8	92	43	8400	440	-6300	120	400	4.7	8900	30	20.4	-1.4	218	39	9.2	1.0	
5181	RI022	35.0225	79.6368	4.6	12	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5182	RI023	35.0075	79.5894	4.9	15	20.7	210	68	6300	920	7000	80	100	5.8	6500	30	21.8	2.9	457	107	10.8	2.1	
5183	RI024	35.0116	79.6941	4.6	15	25.9	133	83	21200	548	7600	180	5300	6.2	7600	30	24.8	3.1	342	49	6.3	1.1	
5208	RI049	35.0336	79.7629	5.8	40	139.9	1336	491	15100	6164	32400	700	1600	18.5	40300	100	160.2	-1.0	M	540	102.2	14.2	
5209	RI050	35.1763	79.7754	5.9	35	21.2	178	84	20300	736	40200	570	2700	14.4	19900	150	22.2	2.2	352	74	9.6	2.1	
5210	RI051	35.1533	79.7850	6.2	55	16.8	164	53	23600	753	24300	580	5900	10.0	10200	70	12.7	-1.0	324	93	18.9	1.1	
5211	RI052	35.1567	79.7982	6.3	38	14.9	121	84	17600	495	20900	230	4000	6.1	5200	30	14.9	4.6	281	49	12.0	1.6	
5212	RI053	35.1498	79.8484	6.5	70	4.9	30	24	22400	152	51000	100	700	12.9	1000	20	2.5	7.2	72	14	6.8	1.0	
5213	RI054	35.1232	79.8802	6.6	65	16.8	140	69	20300	614	36000	470	4900	11.6	4900	50	8.3	-1.2	322	58	8.1	0.9	
5214	RI055	35.1429	79.9174	5.6	60	2.1	12	11	20100	73	29500	430	1600	5.2	8200	60	3.4	-1.0	26	6	2.9	0.5	
5215	RI056	35.1558	79.9026	M	M	4.5	30	35	11800	104	23300	450	900	4.0	5000	50	4.5	-1.0	62	12	3.3	0.5	
5216	RI057	35.1434	79.9403	5.7	30	2.0	4	28	6300	36	14200	120	100	2.0	4400	20	3.3	-1.2	12	3	3.2	0.8	
5218	RI059	35.1176	79.9808	5.9	60	1.0	6	14	9400	-20	17900	140	1100	2.9	4500	30	0.8	-1.0	10	3	M	-0.2	
5219	RI060	35.0920	79.8963	6.4	75	2.7	12	5	18700	132	99900	740	M	28.0	M	160	M	1.7	45	8	4.8	-0.2	
5224	RI065	35.0146	79.8341	6.7	40	13.9	155	75	18800	794	71300	820	1500	13.2	5700	50	4.8	7.4	336	80	19.1	2.1	
5225	RI066	35.0244	79.8493	6.5	60	7.9	48	39	6700	213	7000	690	500	4.7	7900	30	10.1	1.3	108	19	7.1	0.6	
5226	RI067	35.0150	79.8124	6.8	35	5.3	40	14	33800	225	24300	520	6500	11.9	5700	80	8.1	M	78	24	7.1	1.0	

SOUTHERN PINES 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
5227	RI068	35.0334	79.8237	M	M	110.6	1193	315	25500	5546	27200	1420	2200	15.8	24100	90	122.0	M	M	589	67.1	7.2	
5228	RI069	35.0736	79.8404	6.7	40	3.7	13	4	24000	-20	42400	120	M	21.2	2200	40	3.8	3.1	29	M	4.0	-0.2	
5229	RI070	35.0916	79.8310	6.7	40	78.7	819	399	11700	3591	31000	790	1500	24.0	40200	130	85.2	M	M	391	52.1	7.8	0.129
5230	RI071	35.1238	79.8291	6.7	50	19.6	118	60	26100	392	29500	850	3000	9.2	11700	70	31.5	-1.0	268	42	9.5	1.0	0.090
5231	RI072	35.0880	79.7886	6.7	95	76.5	802	315	10200	3532	10600	400	1200	16.1	22300	70	72.6	4.0	M	404	46.3	4.9	
5232	RI073	35.0386	79.7858	6.8	30	3.0	12	8	27100	65	18000	190	900	7.3	4000	50	3.4	-1.0	33	3	1.8	-0.2	
5520	SC023	35.0117	79.4481	5.0	12	45.1	279	182	2800	1234	8800	710	M	7.0	13100	30	2.2	4.6	666	83	24.2	3.5	

SOUTHERN PINES 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
229	AN054	35.0959	79.9542	1.1	0.3		-5	0.5	100	-5	59	5	1000	10	1900	-2	25	20	1000	10	-1	-5	.	-2	-5	20
230	AN055	35.0391	79.9202	1.5	0.3	3	7	0.5	200	5	55	11	4000	13	2450	-2	5	12	1000	10	-1	5	.	-2	10	22
231	AN056	35.0296	79.9524	4.6	0.1	2	-5	0.5	100	-5	8	8	2000	16	1750	-2	-5	5	1100	17	-1	-5	.	-2	85	22
232	AN057	35.0269	79.9741	1.1	0.2	1	17	0.5	300	-5	21	5	7000	8	1900	2	-5	5	800	-10	-1	-5	.	-2	10	15
235	AN060	35.0190	79.9124	1.2	0.2	1	42	1.0	400	20	30	17	6000	14	2950	3	-5	17	1000	12	-1	-5	.	-2	-5	40
988	CU005	35.0646	79.0403	0.1	-0.1	2	7	0.5	-100	-5	13	4	1000	7	400	8	13	10	500	-10	1	-5	.	-2	26	-5
989	CU006	35.0352	79.0501	0.1	-0.1	1	5	0.5	-100	-5	-5	4	1000	7	400	-2	5	17	400	10	2	-5	.	-2	-5	7
1017	CU034	35.1862	79.0751	0.3	-0.1	3	17	-0.5	-100	-5	12	3	2000	5	1050	-2	10	-5	1100	15	3	-5	.	-2	245	-5
1027	CU044	35.1560	79.0446	0.2	0.1	3	10	1.0	-100	-5	9	4	1000	5	1000	-2	25	-5	1100	12	3	-5	.	-2	145	5
1028	CU045	35.1707	79.0876	1.1	-0.1	3	22	0.5	100	-5	11	4	1000	6	1000	-2	75	-5	3000	17	3	-5	.	-2	745	-5
1029	CU046	35.0828	79.0426	-0.1	-0.1	2	-5	0.5	-100	-5	-5	3	1000	5	500	-2	55	5	1000	-10	4	-5	.	-2	30	-5
1030	CU047	35.0986	79.0252	-0.1	0.1	2	5	0.5	-100	-5	-5	3	1000	6	300	-2	-5	-5	600	-10	2	-5	.	-2	-5	-5
1899	HO001	35.0500	79.4172	0.2	-0.1	0	10	0.5	-100	-5	-5	2	1000	-5	1000	-2	15	-5	800	-10	2	-5	.	-2	15	32
1900	HO002	35.0743	79.3894	0.2	-0.1	10	10	0.5	-100	-5	-5	2	1000	-5	750	-2	15	-5	700	10	-1	-5	.	-2	195	5
1901	HO003	35.0311	79.3714	0.1	-0.1	0	7	-0.5	-100	-5	-5	6	2000	8	1300	2	5	5	800	197	-1	-5	.	-2	35	27
1904	HO006	35.0104	79.3392	0.1	0.1	3	17	0.5	-100	-5	-5	3	-1000	5	800	2	5	-5	800	-10	2	5	.	-2	25	7
1920	HO022	35.0081	79.2164	0.1	0.1	3	17	0.5	-100	-5	-5	4	-1000	5	350	-2	15	-5	700	-10	3	-5	.	-2	-5	5
1921	HO023	35.0104	79.1654	0.1	-0.1	1	12	-0.5	-100	-5	-5	2	-1000	-5	300	2	10	-5	700	-10	-1	-5	.	-2	35	-5
1922	HO024	35.0308	79.1362	0.1	-0.1	2	12	0.5	-100	-5	-5	3	-1000	5	300	-2	-5	-5	700	-10	-1	-5	.	-2	20	-5
1924	HO026	35.0156	79.0872	0.1	-0.1	1	20	0.5	-100	-5	-5	4	-1000	-5	950	2	-5	-5	700	12	-1	-5	.	-2	35	102
1925	HO027	35.0059	79.0966	0.1	-0.1	2	20	-0.5	-100	-5	-5	2	-1000	6	750	-2	10	-5	900	-10	3	-5	.	-2	15	-5
1926	HO028	35.1626	79.1187	0.3	0.1	2	12	0.5	-100	-5	7	3	-1000	6	850	-2	35	-5	1100	-10	3	-5	.	-2	315	-5
1927	HO029	35.1667	79.1546	0.1	-0.1	1	15	2.0	-100	-5	-5	8	1000	15	1850	3	25	-5	900	-10	-1	-5	.	-2	25	7
1928	HO030	35.1806	79.1782	0.1	-0.1		15	0.5	-100	-5	9	2	2000	6	1250	-2	35	-5	2600	-10	1	-5	.	-2	185	-5
1929	HO031	35.1846	79.2021	0.5	-0.1	1	20	0.5	-100	-5	7	2	-1000	-5	450	2	25	-5	1000	-10	-1	-5	.	-2	375	-5
1930	HO032	35.1680	79.2532	0.1	-0.1	2	17	0.5	-100	-5	-5	5	-1000	5	700	3	15	-5	600	-10	-1	-5	.	-2	30	5
1931	HO033	35.1254	79.3381	0.2	-0.1	3	17	0.5	-100	-5	7	3	-1000	5	850	-2	30	-5	1000	-10	-1	-5	.	-2	315	-5
1932	HO034	35.1032	79.2994	0.1	-0.1	4	10	0.5	-100	-5	-5	3	-1000	5	300	-2	25	-5	1000	-10	3	-5	.	-2	85	5
1933	HO035	35.0744	79.2923	0.1	-0.1	3	10	0.5	-100	-5	-5	4	-1000	6	1100	-2	5	-5	600	-10	-1	15	.	-2	50	7
1934	HO036	35.0644	79.2941	0.1	-0.1	3	7	-0.5	-100	-5	-5	3	-1000	-5	550	-2	-5	-5	300	-10	-1	-5	.	-2	20	5
1935	HO037	35.0754	79.2093	0.1	-0.1	2	12	0.5	-100	-5	-5	4	-1000	5	650	-2	-5	-5	500	-10	-1	10	.	-2	10	-5
1936	HO038	35.0682	79.1343	0.2	-0.1	1	12	1.0	-100	-5	-5	7	-1000	6	900	-2	10	5	900	-10	-1	-5	.	-2	10	-5
1937	HO039	35.0631	79.0924	0.1	-0.1	3	37	2.5	-100	-5	-5	13	2000	19	1000	5	5	-5	900	12	-1	-5	.	-2	10	10
1938	HR001	35.2634	79.1649	6.3	-0.1		22	-0.5	-100	-5	5	3	2000	-5	800	5	10	5	800	-10	2	-5	.	-2	95	-5
1939	HR002	35.2339	79.1321	14.3	-0.1	4	97	-0.5	-100	-5	8	3	1000	5	950	-2	30	-5	1100	-10	2	10	.	-2	395	-5
1940	HR003	35.2491	79.1061	1.4	-0.1		7	-0.5	-100	-5	5	2	1000	5	-200	4	10	-5	700	-10	1	15	.	-2	30	-5

SOUTHERN PINES 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
1941	HR004	35.2242	79.0932	9.8	0.2		12	1.5	-100	-5	10	12	2000	13	1650	15	5	10	1000	25	-1	-5	.	2	10	5
1942	HR005	35.2562	79.0785	9.1	0.1	1	10	0.5	-100	-5	10	3	1000	6	200	22	30	-5	1000	10	1	-5	.	3	195	-5
1943	HR006	35.2204	79.0340	10.3	0.2	0	-5	-0.5	-100	-5	8	2	1000	-5	750	-2	20	-5	1000	10	-1	-5	.	-2	215	-5
1944	HR007	35.2418	79.0427	1.5	-0.1	1	-5	-0.5	-100	-5	5	3	1000	-5	500	-2	5	-5	600	15	-1	-5	.	-2	-5	12
1945	HR008	35.2570	79.0109	6.9	-0.1		20	-0.5	100	-5	9	2	2000	-5	600	-2	20	-5	800	10	2	-5	.	-2	85	-5
1947	HR010	35.2998	79.0832	1.7	-0.1		22	0.5	-100	-5	8	3	1000	5	700	-2	15	-5	700	-10	-1	5	.	-2	25	5
1948	HR011	35.2984	79.1141	3.3	-0.1	1	15	-0.5	-100	5	8	3	1000	-5	550	-2	15	-5	700	-10	-1	15	.	-2	100	-5
1949	HR012	35.3089	79.1104	0.6	-0.1	1	-5	0.5	-100	-5	6	4	1000	-5	850	4	5	-5	800	-10	2	-5	.	-2	5	5
1950	HR013	35.3277	79.1114	23.4	-0.1	1	20	-0.5	-100	-5	12	3	2000	5	750	-2	45	-5	500	10	2	15	.	-2	355	-5
1957	HR020	35.2805	79.0152	1.8	-0.1	2	30	0.5	-100	-5	7	3	1000	8	950	-2	15	-5	700	12	-1	5	.	-2	30	-5
1961	HR024	35.3540	79.0193	2.5	-0.1	1	-5	0.5	-100	-5	6	2	1000	-5	700	-2	15	-5	700	-10	-1	-5	.	-2	20	-5
1962	HR025	35.3359	79.0359	1.4	0.1	1	-5	-0.5	-100	-5	7	3	1000	5	600	-2	15	-5	500	-10	-1	-5	.	-2	-5	-5
1963	HR026	35.3281	79.0659	3.1	0.1	1	42	-0.5	-100	-5	12	2	1000	-5	550	-2	35	-5	700	-10	2	-5	.	-2	100	-5
1964	HR027	35.3545	79.0618	0.9	-0.1	1	55	0.5	100	-5	10	4	1000	7	900	3	25	-5	1000	-10	1	5	.	-2	55	7
1965	HR028	35.4076	79.0662	0.6	0.1	1	30	1.0	100	7	10	5	1000	7	2250	-2	20	5	800	-10	-1	-5	.	-2	10	15
1966	HR029	35.4247	79.0569	1.2	-0.1	5	-5	0.5	-100	5	5	4	1000	-5	700	-2	15	-5	500	-10	2	-5	.	-2	-5	-5
1967	HR030	35.4040	79.0377	0.5	-0.1	1	-5	-0.5	-100	-5	9	4	1000	5	900	-2	15	-5	600	-10	2	5	.	-2	5	7
1968	HR031	35.3981	79.0197	0.4	0.2	5	97	-0.5	100	-5	20	7	3000	-5	1870	6	-5	-5	600	-10	-1	50	.	-2	5	17
2011	HR074	35.4491	79.0328	0.5	-0.1	2	10	-0.5	300	7	-5	3	3000	5	1750	-2	15	-5	700	-10	-1	-5	.	-2	45	5
2292	LE016	35.4901	79.0511	-0.1	0.3	1	20	0.5	100	10	-5	3	2000	6	1900	4	-5	-5	800	-10	-1	5	.	-2	-5	12
2293	LE017	35.4596	79.0318	-0.1	0.2	1	10	0.5	100	-5	5	2	1000	6	1300	-2	-5	-5	500	-10	-1	-5	.	-2	5	7
2294	LE018	35.4437	79.0712	0.7	0.2	2	15	0.5	-100	10	7	4	2000	11	1700	-2	10	-5	200	20	-1	-5	.	-2	-5	15
2295	LE019	35.4294	79.0797	-0.1	0.2	2	20	1.0	200	7	-5	4	3000	5	2000	-2	5	-5	700	-10	-1	10	.	-2	-5	7
2296	LE020	35.4428	79.1173	0.7	0.1	3	50	1.5	100	42	9	17	4000	10	1100	-2	20	-5	1200	15	-1	-5	.	-2	-5	35
2297	LE021	35.4912	79.1249	-0.1	0.2	3	20	1.0	200	10	8	5	3000	6	2550	-2	10	-5	700	-10	-1	-5	.	-2	10	12
2300	LE024	35.4866	79.2347	-0.1	0.1	2	20	0.5	100	5	5	4	2000	7	2050	-2	10	5	500	-10	-1	-5	.	-2	-5	10
2301	LE025	35.4993	79.2708	-0.1	0.2	9	65	1.5	300	20	5	10	15000	23	3700	-2	5	12	600	-10	-1	-5	.	-2	-5	37
2304	LE028	35.4591	79.3050	-0.1	0.2	1	20	0.5	-100	7	5	3	2000	9	1850	-2	-5	-5	500	-10	1	-5	.	-2	10	7
2305	LE029	35.4645	79.2504	-0.1	0.2	3	20	0.5	-100	-5	7	3	2000	6	750	-2	5	-5	400	-10	-1	-5	.	-2	-5	5
2306	LE030	35.4594	79.1992	-0.1	0.4	3	12	0.5	300	10	5	5	3000	10	2150	-2	-5	-5	500	-10	-1	-5	.	-2	15	12
2307	LE031	35.4606	79.1820	-0.1	0.3	4	15	0.5	300	10	5	5	4000	9	2750	-2	-5	-5	600	-10	-1	5	.	-2	-5	15
2308	LE032	35.4386	79.2609	-0.1	0.1	3	10	0.5	100	7	-5	4	2000	8	1850	-2	15	-5	500	-10	-1	-5	.	-2	5	5
2309	LE033	35.4302	79.3042	-0.1	0.2	4	17	1.0	100	20	-5	6	5000	14	3400	-2	-5	7	600	-10	-1	-5	.	-2	5	20
2310	LE034	35.4083	79.2581	0.6	0.2	4	12	-0.5	-100	5	5	3	5000	6	800	-2	10	-5	500	-10	-1	-5	.	-2	-5	5
2311	LE035	35.4127	79.1941	-0.1	0.2	2	12	1.0	100	7	-5	3	7000	8	800	-2	5	-5	500	-10	-1	-5	.	-2	15	15
2312	LE036	35.4226	79.1405	-0.1	0.5	10	10	1.0	200	25	6	23	2000	12	2100	-2	5	5	1400	22	-1	-5	.	-2	-5	90

SOUTHERN PINES 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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2313	LE037	35.3792	79.1329	-0.1	0.2	2	147	2.5	-100	12	11	3	20000	15	1400	-2	-5	-5	700	10	-1	10	.	-2	15	35
2314	LE038	35.3954	79.1771	-0.1	0.2	2	17	1.0	100	7	12	3	5000	6	1250	-2	5	-5	800	-10	-1	-5	.	-2	135	10
2315	LE039	35.3817	79.2097	1.7	0.2	0	22	0.5	-100	-5	5	2	3000	7	550	-2	15	-5	1000	-10	-1	-5	.	-2	220	-5
2316	LE040	35.3613	79.2493	0.7	0.2	1	20	1.0	-100	-5	5	2	6000	6	750	-2	-5	-5	600	-10	-1	-5	.	-2	105	-5
2317	LE041	35.3410	79.2305	-0.1	0.1	1	7	1.0	-100	5	-5	2	8000	11	700	-2	5	5	1100	-10	2	-5	.	-2	305	5
2318	LE042	35.3129	79.1990	2.3	0.2	0	12	1.0	-100	5	-5	2	8000	12	400	-2	10	-5	500	10	-1	-5	.	-2	85	-5
2319	LE043	35.3555	79.1788	0.7	0.2	1	10	1.0	100	10	6	2	6000	11	1150	2	-5	-5	600	-10	-1	-5	.	-2	10	10
2320	LE044	35.3627	79.1601	-0.1	0.2	1	27	0.5	-100	-5	5	-2	3000	5	250	-2	25	-5	600	-10	-1	5	.	-2	40	-5
2522	MG001	35.3476	79.9104	0.8	0.3	2	10	1.0	100	15	9	4	5000	16	1800	-2	10	-5	600	25	1	5	.	-2	5	27
2523	MG002	35.3455	79.8009	0.9	0.2	3	25	1.0	400	20	10	7	-1000	15	1350	-2	10	-5	600	10	-1	-5	.	-2	5	17
2524	MG003	35.3224	79.7991	0.9	0.3	3	17	1.0	200	17	5	5	2000	13	750	-2	10	-5	500	10	-1	-5	.	-2	-5	12
2525	MG004	35.3023	79.8020	1.2	0.1	4	7	1.0	200	15	-5	7	-1000	14	950	-2	40	-5	600	10	1	10	.	-2	15	7
2526	MG005	35.3105	79.7422	5.8	0.2		.	.	100	22	.	8	.	.	.	.	-5	7	.	32		.	.	.	.	37
2527	MG006	35.3603	79.7650	0.4	0.4	3	22	1.0	100	15	7	4	5000	13	1100	-2	10	-5	700	50	-1	-5	.	-2	5	22
2528	MG007	35.3527	79.8633	0.5	0.2	3	30	1.5	100	10	5	-2	5000	13	300	-2	10	-5	300	-10	2	-5	.	-2	10	7
2529	MG008	35.3859	79.8814	0.4	0.4	3	22	1.0	-100	15	6	7	1000	15	850	2	10	-5	700	10	-1	-5	.	2	5	22
2530	MG009	35.3752	79.8219	0.4	0.5	4	15	1.0	100	25	5	8	-1000	10	650	-2	5	-5	500	10	-1	-5	.	-2	10	12
2531	MG010	35.3369	79.7494	0.8	0.2	3	15	0.5	200	10	20	3	1000	12	1300	-2	10	-5	700	10	-1	-5	.	-2	10	7
2532	MG011	35.4033	79.8177	0.8	0.3	5	.	.	-100	32	.	22	.	.	.	18	25	-5	.	15	-1	-5	.	2	10	17
2533	MG012	35.3886	79.8357	0.4	0.4	32	10	0.5	100	15	5	5	2000	19	1900	-2	20	-5	900	12	-1	-5	.	-2	15	12
2534	MG013	35.4578	79.8442	0.7	0.2	3	12	1.0	-100	7	5	3	3000	10	500	-2	5	-5	500	-10	-1	15	.	-2	5	7
2536	MG015	35.4408	79.7558	0.8	0.4	3	5	0.5	100	10	5	2	1000	8	750	-2	-5	-5	500	-10	-1	-5	.	2	5	5
2537	MG016	35.4212	79.7650	0.4	0.3		10	0.5	-100	12	9	3	1000	8	700	-2	5	-5	600	-10	-1	-5	.	2	5	5
2538	MG017	35.4133	79.7459	0.8	0.4	3	10	1.0	200	22	8	5	2000	9	1500	-2	10	-5	500	10	-1	10	.	-2	-5	17
2539	MG018	35.3926	79.7388	0.4	0.3	4	12	1.0	100	17	5	3	1000	9	1250	-2	15	-5	700	-10	-1	-5	.	-2	-5	17
2540	MG019	35.4867	79.7622	0.4	0.5	2	15	1.0	100	12	-5	5	8000	14	850	-2	10	-5	700	12	-1	-5	.	-2	-5	12
2541	MG020	35.4874	79.8283	0.7	0.2	4	7	0.5	-100	-5	31	-2	3000	9	1050	-2	5	-5	600	-10	-1	-5	.	-2	10	-5
2542	MG021	35.4993	79.8635	0.4	0.1	1	10	1.0	100	7	-5	3	2000	13	2050	-2	10	-5	700	12	-1	-5	.	-2	10	12
2543	MG022	35.4670	79.8685	0.4	0.2		-5	1.0	100	5	9	2	3000	13	1900	-2	10	5	700	-10	-1	-5	.	-2	-5	10
2544	MG023	35.4027	79.8373	0.4	0.2	7	50	1.5	-100	27	-5	31	6000	37	3800	-2	15	12	1000	12	-1	5	.	-2	5	77
2545	MG024	35.4206	79.8983	0.4	0.1	2	17	1.0	-100	7	-5	4	3000	13	2100	-2	15	5	1100	-10	-1	-5	.	-2	5	17
2546	MG025	35.4344	79.9005	0.7	-0.1	1	-5	1.0	100	5	-5	3	2000	8	1250	-2	10	-5	600	-10	-1	-5	.	-2	10	7
2547	MG026	35.4319	79.9443	0.6	-0.1	2	5	1.0	200	7	-5	-2	5000	10	1800	-2	5	-5	700	10	1	5	.	-2	5	10
2548	MG027	35.4803	79.9498	0.3	-0.1	2	5	1.0	100	7	6	3	4000	13	2150	-2	10	5	600	10	-1	-5	.	-2	5	12
2550	MG029	35.4857	79.9109	0.3	0.1	2	7	0.5	-100	-5	-5	2	2000	13	1800	2	10	-5	600	10	-1	-5	.	-2	-5	7
2551	MG030	35.4766	79.9129	0.3	0.1	2	-5	1.0	-100	10	-5	2	3000	14	1900	-2	20	5	700	-10	-1	5	.	-2	-5	12

SOUTHERN PINES 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
2552	MG031	35.3981	79.9274	0.3	-0.1	2	5	0.5	200	5	-5	3	3000	10	2150	-2	15	-5	700	10	-1	20	.	-2	5	10
2553	MG032	35.3707	79.9268	0.7	-0.1		5	1.0	-100	5	13	-2	2000	9	750	-2	15	-5	700	-10	-1	-5	.	-2	5	7
2554	MG033	35.4481	79.9583	0.7	0.1	2	-5	0.5	-100	5	-5	2	6000	9	1000	2	20	-5	500	10	1	5	.	-2	5	7
2555	MG034	35.4867	79.9809	0.3	0.1	2	-5	0.5	-100	7	-5	7	-1000	8	1550	-2	15	5	600	-10	-1	10	.	-2	-5	10
2556	MG035	35.4993	79.9909	0.7	0.1	2	-5	0.5	-100	7	-5	7	1000	11	1350	2	10	-5	600	10	-1	10	.	-2	-5	12
2557	MG036	35.4337	79.9976	0.9	0.2	6	25	2.0	-100	22	-5	18	7000	29	2400	-2	10	15	1000	20	1	-5	.	-2	-5	47
2558	MG037	35.3565	79.9751	0.8	-0.1	2	5	0.5	-100	7	-5	2	2000	7	1050	-2	15	-5	700	-10	-1	-5	.	-2	-5	-5
2559	MG038	35.3195	79.9550	0.8	-0.1	5	10	1.0	-100	7	-5	-2	5000	14	2050	-2	15	-5	700	15	1	-5	.	2	-5	12
2560	MG039	35.3141	79.9788	1.0	0.1	5	15	1.0	-100	-5	-5	-2	3000	10	1150	-2	-5	-5	600	-10	-1	5	.	-2	10	5
2576	MG055	35.2130	79.9825	0.4	0.4	15	45	2.0	-100	22	-5	20	10000	18	3800	-2	15	15	1000	35	-1	-5	.	-2	10	57
2577	MG056	35.3262	79.8511	0.8	0.1	5	25	1.5	500	7	5	8	3000	9	3050	-2	15	-5	600	12	-1	5	.	-2	-5	20
2578	MG057	35.3021	79.8858	0.8	-0.1	2	7	1.0	100	5	8	2	6000	16	2250	-2	15	-5	600	10	-1	-5	.	-2	-5	7
2579	MG058	35.2850	79.9272	1.3	0.1	7	5	1.0	100	-5	17	2	4000	15	1150	-2	5	-5	600	-10	-1	-5	.	-2	-5	10
2580	MG059	35.2875	79.9848	0.9	0.1	3	-5	1.0	-100	5	43	2	3000	9	1400	3	10	-5	600	-10	-1	-5	.	-2	10	7
2582	MG061	35.2388	79.9779	1.0	0.2	8	12	1.5	100	17	217	11	5000	21	3250	-2	15	10	600	17	1	5	.	-2	5	27
2583	MG062	35.2460	79.9601	1.0	0.3	12	10	2.0	-100	17	50	12	6000	22	3950	2	10	10	600	17	-1	5	.	-2	5	27
2584	MG063	35.2529	79.9440	1.1	0.3	9	5	1.5	100	12	37	11	5000	21	2600	-2	10	10	800	20	-1	-5	.	-2	-5	25
2585	MG064	35.2121	79.9364	0.5	0.2	11	12	1.5	-100	12	25	9	3000	15	1700	-2	15	10	800	15	-1	-5	.	-2	5	20
2586	MG065	35.2051	79.9535	1.3	0.3	10	10	1.5	-100	20	63	15	2000	15	3900	-2	15	20	800	25	-1	-5	.	-2	5	25
2587	MG066	35.1794	79.9863	2.6	0.4	11	67	2.0	-100	20	10	15	9000	35	1900	-2	20	10	800	20	-1	-5	.	-2	10	30
2590	MG069	35.1797	79.9624	0.4	0.2	9	10	2.0	100	22	50	13	5000	20	3250	-2	15	12	800	20	-1	10	.	-2	-5	27
2591	MG070	35.1966	79.9063	0.3	0.2	7	25	1.5	-100	12	17	7	2000	12	1950	2	10	7	900	10	1	5	.	-2	-5	20
2592	MG071	35.2301	79.8975	0.3	0.2	7	25	1.5	100	12	5	8	2000	12	1050	-2	10	5	700	-10	-1	-5	.	-2	-5	17
2593	MG072	35.2482	79.8877	0.3	0.1	8	15	2.0	300	12	-5	5	2000	9	1200	-2	10	-5	700	12	1	-5	.	-2	15	17
2594	MG073	35.2852	79.8846	0.3	0.1	11	22	1.5	100	7	-5	3	3000	9	1900	-2	15	-5	700	12	-1	15	.	-2	5	7
2595	MG074	35.2653	79.8525	0.3	0.1	10	10	0.5	-100	5	-5	3	2000	9	1050	2	15	-5	700	-10	-1	-5	.	2	15	7
2596	MG075	35.2751	79.8196	0.3	0.2	10	-5	1.0	100	15	5	5	2000	11	1150	-2	10	7	700	10	-1	-5	.	-2	-5	17
2597	MG076	35.2567	79.7846	0.6	0.3	17	7	1.0	200	17	71	4	2000	9	5950	2	15	47	700	-10	-1	10	.	-2	10	15
2598	MG077	35.2362	79.8133	0.3	0.2	10	12	1.0	-100	7	10	7	2000	11	3850	-2	15	15	500	-10	-1	-5	.	-2	15	15
2599	MG078	35.2250	79.8458	0.7	0.3	10	40	2.0	700	25	-5	14	6000	10	4700	2	10	12	800	15	-1	10	.	-2	10	12
2600	MG079	35.2104	79.8561	0.8	0.4	1	10	0.5	300	12	7	6	2000	15	2950	2	15	5	500	17	-1	5	.	-2	10	47
2601	MG080	35.1873	79.8739	0.5	0.2	5	12	0.5	100	15	25	6	3000	12	2600	-2	25	7	900	12	-1	-5	.	-2	-5	20
2602	MG081	35.1933	79.8531	0.8	-0.1	1	7	1.0	300	12	32	4	3000	9	3300	-2	20	5	500	-10	-1	-5	.	-2	5	10
2603	MG082	35.1770	79.8218	0.7	0.1	2	7	0.5	-100	12	13	6	2000	11	2500	-2	15	5	500	-10	-1	5	.	-2	15	10
2604	MG083	35.1952	79.7873	1.1	0.1	2	10	0.5	-100	15	86	5	2000	10	2650	-2	10	12	900	10	-1	-5	.	-2	15	17
2605	MG084	35.2215	79.7599	1.1	0.1	2	7	-0.5	-100	5	27	2	-1000	8	1100	-2	15	-5	900	12	-1	-5	.	-2	90	7

SOUTHERN PINES 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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2606	MG085	35.1822	79.7604	1.9	0.1	2	10	-0.5	-100	7	6	3	1000	10	1700	3	15	5	800	12	-1	-5	.	-2	45	7
2607	MG086	35.1775	79.6989	17.7	0.2		10	-0.5	100	-5	36	3	-1000	5	650	-2	25	-5	1200	22	-1	-5	.	-2	365	5
2608	MG087	35.2080	79.7103	2.6	-0.1	2	7	-0.5	-100	-5	-5	2	-1000	8	800	-2	10	-5	800	12	-1	-5	.	-2	25	-5
2609	MG088	35.2077	79.6660	2.2	0.1	3	10	0.5	-100	-5	5	-2	1000	6	1050	-2	15	-5	900	12	-1	-5	.	-2	135	5
2610	MG089	35.2454	79.7020	1.6	0.1	8	5	-0.5	-100	5	7	14	-1000	7	200	-2	75	-5	1000	20	-1	10	.	2	335	-5
2611	MG090	35.2736	79.7208	3.1	0.1	10	7	-0.5	-100	7	7	13	-1000	8	950	-2	15	-5	900	17	-1	10	.	-2	45	7
2612	MO001	35.3220	79.2482	8.0	-0.1		20	0.5	100	-5	9	2	2000	6	950	-2	20	-5	1400	-10	-1	-5	.	-2	385	5
2613	MO002	35.3026	79.2049	2.0	-0.1	0	17	1.0	-100	-5	6	2	3000	10	1100	-2	-5	-5	400	-10	-1	-5	.	-2	85	5
2614	MO003	35.2688	79.2255	2.2	0.2	0	17	1.0	-100	5	10	6	3000	9	2300	-2	30	7	2200	-10	-1	-5	.	-2	245	12
2615	MO004	35.1808	79.1014	2.1	-0.1		12	-0.5	-100	-5	5	-2	3000	5	-200	-2	5	-5	800	-10	-1	-5	.	-2	85	-5
2616	MO005	35.1876	79.1395	2.0	-0.1	1	5	0.5	-100	-5	5	3	4000	18	200	6	15	-5	1000	-10	-1	5	.	-2	45	7
2617	MO006	35.1539	79.3556	4.2	0.1	0	15	0.5	-100	-5	9	2	-1000	-5	400	-2	10	-5	800	-10	-1	-5	.	-2	135	5
2618	MO007	35.1623	79.3511	3.3	-0.1	0	10	-0.5	-100	-5	6	-2	1000	-5	200	-2	5	-5	700	-10	-1	-5	.	-2	150	-5
2619	MO008	35.1910	79.2935	1.0	-0.1	3	17	0.5	-100	-5	5	3	1000	7	600	-2	5	-5	700	-10	-1	-5	.	2	5	9
2620	MO009	35.1977	79.2870	2.9	-0.1		12	-0.5	-100	-5	9	2	1000	-5	600	5	5	-5	800	-10	-1	-5	.	-2	90	5
2621	MO010	35.2057	79.2113	3.6	0.1	1	12	-0.5	-100	-5	8	2	2000	5	350	-2	-5	-5	800	-10	-1	-5	.	-2	145	5
2622	MO011	35.2333	79.2552	0.7	0.2	1	10	-0.5	-100	-5	8	2	1000	5	200	-2	-5	5	700	-10	-1	-5	.	-2	25	5
2623	MO012	35.2472	79.2980	1.8	-0.1	0	15	-0.5	100	-5	9	-2	2000	6	450	-2	5	-5	1000	-10	-1	-5	.	-2	110	-5
2624	MO013	35.2291	79.2921	8.0	-0.1	0	15	-0.5	-100	-5	9	-2	1000	5	-200	-2	20	-5	1500	-10	-1	-5	.	-2	460	-5
2625	MO014	35.2310	79.3635	1.4	-0.1		12	-0.5	-100	-5	7	4	-1000	-5	-200	-2	-5	7	900	-10	-1	5	.	-2	105	12
2626	MO015	35.2169	79.3943	2.1	-0.1	1	7	-0.5	-100	-5	7	3	1000	-5	200	2	5	-5	600	-10	-1	5	.	-2	10	5
2627	MO016	35.1775	79.4267	12.9	-0.1	1	7	-0.5	-100	-5	9	2	-1000	-5	350	-2	15	-5	1100	-10	-1	10	.	-2	335	5
2628	MO017	35.1463	79.4054	9.0	-0.1	0	12	-0.5	-100	-5	8	2	-1000	-5	200	-2	30	7	1200	-10	-1	15	.	-2	300	5
2629	MO018	35.1057	79.4047	2.7	-0.1	1	12	-0.5	-100	-5	9	2	-1000	-5	200	-2	5	-5	1000	-10	-1	5	.	-2	95	5
2630	MO019	35.0996	79.4643	2.8	-0.1		20	-0.5	-100	-5	9	2	-1000	-5	-200	-2	5	-5	1000	-10	1	5	.	-2	235	7
2631	MO020	35.0767	79.4630	0.7	-0.1	1	10	-0.5	-100	-5	8	-2	-1000	-5	200	-2	-5	-5	800	10	-1	20	.	-2	100	10
2632	MO021	35.0800	79.5311	1.5	-0.1	1	17	-0.5	-100	-5	7	2	-1000	6	300	4	-5	-5	500	-10	1	-5	.	-2	45	5
2633	MO022	35.1242	79.5447	1.8	-0.1	1	27	-0.5	-100	5	13	-2	1000	5	300	-2	5	-5	1100	-10	2	5	.	-2	275	-5
2634	MO023	35.1425	79.5434	3.1	-0.1	1	22	-0.5	-100	-5	7	2	-1000	-5	250	2	5	-5	700	-10	1	-5	.	-2	145	-5
2635	MO024	35.1323	79.4933	0.8	-0.1	1	7	-0.5	-100	-5	-5	-2	-1000	5	200	-2	5	-5	700	-10	1	-5	.	-2	90	5
2636	MO025	35.1281	79.4505	1.5	-0.1		37	-0.5	-100	-5	14	2	-1000	5	250	-2	40	-5	2900	-10	1	15	.	-2	745	-5
2637	MO026	35.1531	79.4405	1.5	-0.1	1	25	-0.5	-100	-5	6	2	-1000	-5	250	-2	-5	-5	600	-10	1	-5	.	-2	45	-5
2638	MO027	35.1588	79.4949	0.7	0.1	2	15	0.5	-100	-5	8	2	-1000	-5	-200	4	-5	-5	700	-10	-1	-5	.	-2	35	5
2639	MO028	35.1782	79.5294	5.6	-0.1	2	20	0.5	-100	-5	12	2	-1000	-5	400	4	15	-5	1300	-10	-1	20	.	-2	420	7
2640	MO029	35.2003	79.5379	0.7	-0.1		22	0.5	-100	5	13	3	5000	9	550	-2	5	-5	800	-10	-1	5	.	-2	65	7
2641	MO030	35.1790	79.5536	0.7	-0.1	1	32	-0.5	-100	5	12	2	2000	6	400	10	5	-5	700	-10	-1	-5	.	-2	55	5

SOUTHERN PINES 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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2642	MO031	35.2862	79.2631	11.7	-0.1		27	0.5	200	5	15	4	2000	7	1800	-2	10	-5	1400	10	-1	-5	.	-2	295	15
2643	MO032	35.3155	79.2994	0.8	-0.1		15	0.5	100	5	11	2	1000	6	1050	-2	-5	-5	600	-10	2	-5	.	-2	-5	7
2644	MO033	35.3080	79.3408	-0.1	-0.1	1	10	0.5	100	5	9	-2	3000	7	850	4	-5	-5	500	-10	-1	5	.	-2	55	7
2645	MO034	35.2749	79.3712	2.2	-0.1	1	15	0.5	100	-5	10	2	3000	6	900	-2	5	-5	1100	-10	-1	10	.	-2	195	7
2646	MO035	35.2457	79.3637	6.9	-0.1	2	5	-0.5	-100	-5	9	5	1000	11	600	-2	-5	-5	900	10	-1	10	.	-2	65	15
2647	MO036	35.2508	79.4117	2.2	-0.1	0	15	1.0	100	-5	10	4	2000	6	800	4	-5	-5	1100	-10	-1	5	.	-2	135	7
2648	MO037	35.2678	79.4156	-0.1	-0.1	1	25	0.5	100	-5	8	3	2000	7	1500	-2	-5	-5	700	-10	-1	10	.	-2	60	10
2649	MO038	35.2875	79.4519	3.7	-0.1	1	17	0.5	100	-5	9	2	3000	6	650	-2	5	-5	700	-10	-1	5	.	-2	150	7
2650	MO039	35.2678	79.4698	0.7	-0.1	2	15	0.5	100	5	10	2	2000	7	1050	-2	5	-5	700	-10	-1	10	.	-2	135	7
2651	MO040	35.2211	79.4500	1.5	-0.1	1	17	-0.5	-100	-5	7	2	-1000	5	350	7	-5	-5	700	-10	3	-5	.	-2	50	-5
2652	MO041	35.2128	79.4906	4.7	0.1	1	17	0.5	-100	-5	6	6	1000	6	450	3	5	-5	1000	32	-1	10	.	-2	150	12
2653	MO042	35.2350	79.4938	-0.1	-0.1	1	15	-0.5	-100	-5	-5	2	2000	5	250	-2	-5	-5	400	-10	-1	20	.	-2	60	-5
2654	MO043	35.2684	79.5087	1.6	-0.1	1	15	0.5	-100	5	10	2	6000	7	400	-2	5	-5	1000	-10	-1	40	.	-2	85	5
2655	MO044	35.3527	79.4534	-0.1	-0.1	2	10	0.5	100	5	8	3	3000	8	1750	-2	5	-5	700	-10	-1	5	.	-2	95	15
2656	MO045	35.3100	79.3826	0.7	-0.1	1	10	-0.5	-100	-5	8	2	-1000	-5	200	-2	5	-5	700	-10	-1	5	.	-2	20	5
2657	MO046	35.3334	79.3424	-0.1	0.1	2	27	2.0	100	10	8	6	4000	17	1750	4	-5	5	900	-10	-1	-5	.	-2	10	25
2658	MO047	35.3414	79.2881	1.6	0.1	1	10	0.5	-100	-5	6	2	-1000	7	300	-2	5	-5	1100	-10	-1	-5	.	-2	165	5
2659	MO048	35.3686	79.2813	-0.1	-0.1	8	57	1.5	100	12	8	7	6000	20	1900	-2	-5	10	1000	-10	1	-5	.	-2	15	25
2660	MO049	35.3819	79.3286	-0.1	-0.1		10	0.5	-100	-5	11	2	1000	6	350	10	-5	-5	1000	12	-1	5	.	-2	35	10
2661	MO050	35.4061	79.3544	1.9	0.1	5	12	1.5	-100	5	7	6	4000	10	2500	-2	-5	5	1000	-10	-1	10	.	-2	5	17
2662	MO051	35.3748	79.3746	-0.1	-0.1	1	12	1.0	100	5	7	8	3000	11	2050	6	5	5	800	-10	-1	15	.	-2	15	12
2663	MO052	35.4922	79.4183	-0.1	0.1	5	97	1.0	300	15	10	14	4000	22	1150	-2	-5	22	800	-10	-1	-5	.	-2	-5	30
2664	MO053	35.4334	79.3857	-0.1	0.1	5	52	1.5	400	10	7	7	7000	20	1600	8	-5	7	1000	-10	-1	15	.	-2	5	27
2665	MO054	35.3755	79.4245	-0.1	0.1	2	25	1.0	100	7	9	4	3000	11	1850	-2	-5	5	500	-10	-1	-5	.	2	5	25
2666	MO055	35.3716	79.4557	-0.1	0.1	2	7	1.0	100	7	9	2	3000	9	1750	8	5	-5	700	-10	-1	-5	.	-2	15	12
2667	MO056	35.3749	79.4970	-0.1	-0.1	8	67	1.0	100	10	8	3	3000	10	1350	6	-5	-5	700	-10	-1	5	.	-2	10	12
2668	MO057	35.3478	79.4779	-0.1	-0.1	1	22	1.0	100	5	10	3	3000	8	1650	-2	5	5	600	-10	-1	-5	.	-2	25	7
2669	MO058	35.3203	79.5076	-0.1	-0.1	1	15	1.0	100	7	9	3	3000	10	1800	6	5	5	800	-10	-1	10	.	-2	50	12
2670	MO059	35.2836	79.5527	9.6	0.1	2	25	0.5	100	7	10	2	2000	5	900	5	150	-5	2800	22	-1	5	.	-2	995	5
2671	MO060	35.2575	79.5563	7.2	0.1	2	32	-0.5	-100	-5	10	2	3000	6	800	5	10	-5	800	10	1	-5	.	-2	310	-5
2672	MO061	35.2355	79.5293	56.2	0.1	2	30	1.0	100	-5	14	3	2000	6	200	-2	40	-5	2600	27	-1	-5	.	-2	945	-5
2673	MO062	35.1615	79.5914	3.1	0.1	2	22	0.5	-100	7	8	3	4000	7	1200	4	30	-5	800	-10	1	10	.	-2	295	7
2674	MO063	35.1909	79.5815	2.2	0.1	1	.	.	100	-5	.	4	.	.	.	-2	25	-5	.	17	1	10	.	2	150	10
2675	MO064	35.1896	79.6068	-0.1	0.1	1	20	0.5	700	-5	8	3	2000	5	800	5	35	-5	1800	12	1	10	.	-2	480	-5
2676	MO065	35.2093	79.6284	7.4	-0.1	3	25	0.5	-100	5	7	4	3000	5	750	-2	40	-5	1800	-10	-1	-5	.	-2	295	-5
2677	MO066	35.1928	79.6492	2.7	-0.1	1	27	1.0	100	10	7	4	3000	7	1150	6	25	-5	1600	15	1	10	.	-2	170	10

SOUTHERN PINES 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
2678	M0067	35.2335	79.6601	4.3	-0.1	3	197	1.3	100	5	6	3	3000	8	700	5	20	-5	1000	-10	1	-5	.	-2	165	-5
2679	M0068	35.2293	79.6138	2.7	0.1	1	22	1.0	-100	-5	8	2	5000	6	1050	-2	20	-5	900	-10	1	5	.	-2	145	-5
2680	M0069	35.2487	79.6284	33.7	0.1		12	0.5	-100	7	6	3	1000	5	500	-2	5	-5	700	-10	1	-5	.	-2	30	5
2681	M0070	35.2883	79.5946	-0.1	0.1	3	17	2.0	200	17	6	8	8000	17	3350	13	20	7	1000	-10	1	-5	.	-2	45	25
2682	M0071	35.3176	79.5436	3.5	0.2	3	35	2.0	100	17	10	5	6000	14	3200	-2	15	-5	1100	10	-1	-5	.	-2	65	20
2683	M0072	35.3317	79.5454	-0.1	0.2	1	5	1.0	100	15	-5	6	4000	13	1850	-2	5	5	500	60	1	-5	.	-2	50	15
2684	M0073	35.3972	79.5405	-0.1	0.3	2	40	1.5	500	17	6	7	2000	11	2400	3	5	-5	800	-10	1	5	.	-2	25	25
2685	M0074	35.4087	79.4847	-0.1	0.1	3	5	0.5	100	10	5	5	3000	10	1600	4	5	5	700	-10	1	-5	.	-2	10	12
2686	M0075	35.4406	79.4516	-0.1	0.1	4	22	1.0	100	10	6	3	3000	12	1600	-2	-5	-5	600	-10	1	-5	.	-2	10	7
2687	M0076	35.4479	79.4281	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
2688	M0077	35.4958	79.4483	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
2689	M0078	35.4945	79.4874	-0.1	0.4	4	142	1.5	500	27	5	7	8000	12	1150	-2	5	-5	800	12	1	5	.	-2	5	40
2690	M0079	35.4554	79.5056	-0.1	0.7	3	82	1.0	5700	52	-5	79	1000	6	2550	6	10	95	1000	-10	-1	5	.	-2	10	47
2691	M0080	35.4497	79.4863	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.		.	.	.	.	.
2694	M0083	35.4814	79.5858	-0.1	0.4	4	110	1.5	500	37	5	16	4000	10	1250	-2	10	5	800	12	1	5	.	-2	-5	52
2695	M0084	35.4243	79.5423	-0.1	0.1	3	32	1.5	300	12	-5	6	1000	7	1900	-2	20	-5	900	-10	1	-5	.	-2	-5	15
2696	M0085	35.3959	79.5679	-0.1	0.3	5	47	1.0	400	17	-5	9	3000	8	2450	-2	5	-5	900	-10	1	5	.	-2	-5	32
2697	M0086	35.4026	79.5968	-0.1	0.1	2	55	1.0	400	15	5	10	4000	7	2150	7	5	-5	700	15	1	-5	.	-2	-5	17
2698	M0087	35.4390	79.6390	-0.1	0.2	2	60	1.0	300	5	6	5	6000	13	1950	10	5	-5	800	-10	1	10	.	-2	5	25
2699	M0088	35.4835	79.6222	-0.1	0.3	3	77	1.5	300	27	-5	10	6000	10	2550	7	10	5	900	30	1	-5	.	-2	-5	60
2700	M0089	35.4857	79.6388	-0.1	0.3	3	55	1.5	300	22	5	8	7000	12	1400	-2	-5	-5	1000	15	1	5	.	-2	-5	40
2701	M0090	35.4884	79.7473	-0.1	0.2	0	5	0.5	100	5	-5	4	7000	9	800	6	5	-5	900	10	-1	-5	.	-2	15	15
2702	M0091	35.2712	79.6813	1.4	0.1	3	27	1.5	100	10	6	5	6000	10	1350	-2	25	-5	1000	-10	1	-5	.	-2	25	17
2703	M0092	35.2660	79.6673	1.3	0.1	1	22	1.0	100	5	10	3	5000	9	1500	-2	25	-5	900	-10	2	5	.	-2	15	7
2704	M0093	35.2920	79.6064	-0.1	0.2	4	10	2.0	100	17	5	5	7000	14	1850	2	10	-5	800	-10	1	-5	.	-2	35	22
2705	M0094	35.3143	79.6499	1.3	0.2	2	7	1.0	-100	7	-5	5	3000	10	1250	7	-5	-5	800	-10	-1	5	.	-2	10	5
2706	M0095	35.3476	79.6419	9.5	0.3		20	1.0	300	5	7	4	4000	7	800	2	30	-5	1200	12	1	-5	.	2	135	12
2707	M0096	35.3921	79.6268	-0.1	0.2	7	80	1.5	500	12	5	5	4000	8	400	-2	5	-5	1000	-10	1	-5	.	-2	10	22
2708	M0097	35.4493	79.6736	-0.1	0.4	3	132	2.0	200	27	-5	12	10000	13	800	10	5	5	900	10	1	-5	.	-2	15	45
2709	M0098	35.4636	79.7156	-0.1	0.2		52	1.0	700	7	6	7	5000	7	1200	9	-5	10	800	-10	1	5	.	-2	-5	15
2710	M0099	35.4435	79.7446	-0.1	0.2	1	15	1.0	200	5	-5	4	4000	8	1950	-2	5	-5	800	-10	-1	-5	.	-2	-5	10
2711	M0100	35.4320	79.7104	-0.1	0.2	1	30	1.0	300	15	6	6	6000	10	800	2	5	-5	600	-10	-1	-5	.	-2	-5	22
2712	M0101	35.3798	79.7187	-0.1	0.2	1	25	1.0	300	5	7	5	3000	9	1050	2	15	-5	800	-10	-1	-5	.	-2	-5	15
2713	M0102	35.3540	79.6979	-0.1	0.3	3	62	1.0	300	10	-5	5	5000	7	2200	6	5	-5	700	-10	-1	5	.	-2	10	15
3293	R1001	35.0582	79.5513	5.3	0.1		-5	0.5	-100	-5	8	-2	-1000	-5	-200	-2	15	-5	900	-10	-1	-5	.	-2	5	-5
3294	R1002	35.0285	79.5447	1.3	0.3	1	5	0.5	-100	5	-5	-2	-1000	-5	-200	2	5	-5	800	-10	-1	-5	.	-2	5	-5

SOUTHERN PINES 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
3295	RI003	35.0214	79.5284	3.2	0.2	2	5	-0.5	-100	-5	-5	-2	-1000	-5	-200	-2	15	-5	1000	-10	-1	-5	.	-2	5	-5
3296	RI004	35.0806	79.5921	3.0	0.1	2	12	0.5	-100	-5	5	-2	1000	-5	250	3	15	-5	700	-10	-1	-5	.	-2	15	-5
3297	RI005	35.1274	79.6001	4.4	0.2	3	-5	-0.5	-100	-5	5	3	1000	-5	-200	-2	15	-5	900	10	-1	-5	.	-2	-5	10
3298	RI006	35.1378	79.6083	10.0	0.2	1	7	0.5	-100	-5	-5	-2	-1000	-5	-200	-2	25	-5	1000	-10	-1	-5	.	-2	15	-5
3299	RI007	35.1280	79.6451	4.1	0.3		12	-0.5	-100	-5	-5	2	-1000	-5	200	-2	5	-5	1000	-10	-1	-5	.	-2	-5	-5
3300	RI008	35.1233	79.6641	14.0	0.2	2	-5	-0.5	-100	-5	-5	-2	-1000	-5	-200	5	50	-5	600	10	-1	-5	.	-2	5	-5
3301	RI009	35.1510	79.6394	2.1	0.3	7	10	-0.5	-100	-5	-5	6	2000	9	450	2	25	-5	1100	37	-1	-5	.	-2	10	22
3302	RI010	35.1580	79.6686	5.5	0.3	2	10	0.5	-100	-5	-5	3	-1000	9	500	-2	40	-5	1300	17	-1	-5	.	-2	65	12
3303	RI011	35.1579	79.6842	6.7	0.4	1	.	.	-100	5	.	2	.	.	.	10	50	-5	.	-10	-1	-5	.	-2	10	-5
3304	RI012	35.1271	79.6995	2.7	0.3	2	7	-0.5	-100	-5	7	3	1000	-5	-200	-2	40	-5	1000	-10	1	-5	.	-2	-5	5
3305	RI013	35.1119	79.7421	2.7	0.2	1	5	0.5	-100	-5	-5	2	1000	7	550	-2	25	-5	1000	-10	-1	10	.	-2	10	5
3306	RI014	35.0920	79.7614	5.1	0.4	4	5	0.5	-100	5	-5	2	2000	7	850	2	30	-5	1400	27	-1	-5	.	-2	5	10
3307	RI015	35.1006	79.7026	3.5	0.2	5	5	0.5	-100	5	-5	-2	-1000	5	900	-2	30	-5	1000	-10	-1	-5	.	-2	5	-5
3308	RI016	35.0873	79.6899	9.0	0.2	6	7	-0.5	-100	-5	-5	-2	2000	-5	-200	3	40	-5	1000	-10	-1	-5	.	-2	5	-5
3309	RI017	35.0800	79.7217	5.7	0.3	2	10	1.0	-100	7	-5	5	5000	14	2750	3	25	5	1100	12	-1	-5	.	-2	10	20
3310	RI018	35.0345	79.7303	2.9	0.4	1	7	0.5	-100	5	5	-2	1000	6	650	-2	50	-5	1600	-10	-1	-5	.	-2	-5	-5
3311	RI019	35.0045	79.7346	8.2	0.3		5	0.5	-100	5	15	-2	-1000	-5	300	2	25	-5	1200	-10	-1	-5	.	-2	-5	5
3312	RI020	35.0348	79.6691	3.8	0.1	1	-5	-0.5	-100	-5	-5	-2	-1000	-5	200	3	20	-5	900	-10	-1	5	.	-2	-5	-5
3313	RI021	35.0266	79.6409	3.9	0.1	1	5	0.5	-100	-5	-5	-2	2000	6	250	2	15	-5	1000	-10	-1	-5	.	-2	-5	-5
3314	RI022	35.0225	79.6368	4.8	0.3		5	-0.5	-100	-5	-5	-2	-1000	5	200	-2	25	-5	1100	-10	-1	-5	.	-2	-5	-5
3315	RI023	35.0075	79.5894	7.1	0.1	2	-5	0.5	-100	-5	-5	-2	-1000	-5	-200	-2	20	-5	1100	-10	-1	-5	.	-2	-5	-5
3316	RI024	35.0116	79.6941	6.2	0.3	4	50	0.5	-100	-5	-5	2	1000	6	250	-2	25	-5	1200	-10	-1	-5	.	-2	5	-5
3341	RI049	35.0336	79.7629	13.7	0.1	4	7	1.0	100	7	19	3	3000	7	1200	2	175	10	3500	20	2	10	.	-2	335	10
3342	RI050	35.1763	79.7754	3.9	0.1	3	-5	0.5	-100	7	11	5	-1000	5	3550	-2	30	7	1000	10	-1	-5	.	-2	10	20
3343	RI051	35.1533	79.7850	2.4	-0.1	2	.	.	100	10	.	7	.	.	.	-2	25	17	.	15	-1	-5	.	-2	-5	20
3344	RI052	35.1567	79.7982	1.4	-0.1	3	7	0.5	-100	7	7	4	1000	6	1450	-2	40	10	800	-10	-1	-5	.	-2	-5	10
3345	RI053	35.1498	79.8484	2.2	-0.1	4	37	1.0	-100	12	15	17	15000	10	3100	-2	20	10	1000	12	-1	-5	.	-2	-5	25
3346	RI054	35.1232	79.8802	2.8	-0.1	2	-5	0.5	100	7	15	8	3000	7	1550	-2	25	5	1100	10	-1	-5	.	-2	5	15
3347	RI055	35.1429	79.9174	1.0	-0.1	4	-5	0.5	-100	10	21	5	2000	6	900	-2	25	15	1100	10	2	-5	.	-2	15	10
3348	RI056	35.1558	79.9026	1.2	-0.1	4	-5	0.5	-100	7	30	5	-1000	-5	600	-2	25	5	1000	-10	1	-5	.	-2	-5	30
3349	RI057	35.1434	79.9403	1.0	0.1	1	10	-0.5	-100	-5	9	2	1000	-5	300	-2	15	7	700	-10	1	-5	.	-2	-5	5
3350	RI059	35.1176	79.9808	0.6	-0.1	2	-5	-0.5	-100	5	10	2	-1000	-5	450	-2	25	-5	700	-10	-1	-5	.	-2	-5	5
3351	RI060	35.0920	79.8963	0.7	0.1	5	120	1.0	400	52	50	63	2000	15	3950	-2	50	115	1000	17	-1	-5	.	-2	-5	75
3356	RI065	35.0146	79.8341	3.0	0.1	10	-5	1.0	100	22	168	15	14000	15	2750	-2	40	15	1000	17	1	-5	.	-2	20	35
3357	RI066	35.0244	79.8493	1.5	-0.1	3	-5	0.5	-100	7	10	2	1000	-5	350	-2	40	5	700	-10	-1	-5	.	-2	-5	15
3358	RI067	35.0150	79.8124	2.5	-0.1	3	7	1.0	100	10	18	6	2000	8	3400	-2	15	12	700	10	-1	5	.	-2	-5	20

SOUTHERN PINES 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
3359	RI068	35.0334	79.8237	8.3	-0.1	8	7	1.0	-100	17	63	9	4000	10	2000	-2	75	12	2400	17	-1	-5	.	-2	145	20
3360	RI069	35.0736	79.8404	1.4	-0.1	8	122	1.5	-100	7	12	17	10000	30	1750	-2	40	7	1000	15	-1	5	.	-2	-5	25
3361	RI070	35.0916	79.8310	8.0	-0.1	7	14	-0.5	100	10	20	3	1000	-5	700	2	125	10	1300	20	-1	110	.	-2	160	15
3362	RI071	35.1238	79.8291	5.7	0.2	11	.	.	300	10	.	6	.	.	.	3	50	10	.	15	-1	-5	.	-2	5	15
3363	RI072	35.0880	79.7886	8.7	-0.1	4	7	1.0	100	10	14	4	-1000	8	1000	-2	100	10	2100	20	1	-5	.	-2	10	15
3364	RI073	35.0386	79.7858	2.2	0.1	4	5	0.5	-100	10	5	6	1000	9	1750	2	15	5	1000	10	-1	-5	.	-2	-5	12
3622	SC023	35.0117	79.4481	0.6	-0.1	1	7	-0.5	-100	-5	-5	2	-1000	-5	500	-2	5	-5	1000	12	1	5	.	-2	415	-5

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
124	AN527	35.0698	79.9616	7.3	205	0.125	.	28700	.	5680	5	13490	3.0	0.6	26	-0.001
125	AN528	35.0452	79.9356	7.3	342	1.145	.	23800	.	8810	102	13100	-0.1	3.3	25	-0.001
126	AN529	35.0242	79.9862	7.3	388	0.196	.	14200	.	17090	.	15830	16.5	0.5	27	-0.001
1422	CU505	35.0544	79.0042	5.2	52	-0.002	48	10900	.	.	9	3960	-0.1	0.0	62	-0.001
1423	CU506	35.0818	79.0042	4.9	121	0.034	.	34500	.	.	22	20270	-0.1	0.2	118	-0.001
1424	CU507	35.0508	79.0445	5.4	45	-0.002	21	8200	.	.	18	2550	-0.1	0.0	10	-0.001
1425	CU508	35.0505	79.0805	4.9	55	0.012	17	8600	.	.	23	5900	-0.1	0.2	56	-0.001
1426	CU509	35.0110	79.0444	4.8	50	0.158	38	6900	.	.	32	3930	0.5	3.1	223	-0.001
1427	CU510	35.0072	79.0017	6.4	90	-0.002	.	13100	.	.	63	4510	-0.1	0.0	52	-0.001
1540	CU623	35.1605	79.0673	7.7	220	0.811	25	3600	199	2810	85	18630	-0.1	3.6	14	0.060
1541	CU624	35.1552	79.0759	5.6	20	0.067	33	3900	.	.	10	990	-0.1	3.3	17	-0.001
1542	CU625	35.1471	79.0997	5.3	18	0.058	31	3900	.	.	6	560	-0.1	3.2	14	-0.001
1543	CU626	35.0849	79.0363	6.4	109	0.059	19	5500	.	.	2	2840	-0.1	0.5	18	-0.001
2549	HO501	35.0096	79.2672	5.5	23	-0.002	26	3900	.	.	17	2440	-0.1	0.0	30	0.030
2550	HO502	35.0115	79.3111	5.7	89	-0.002	21	5900	.	.	32	2990	-0.1	0.0	50	-0.001
2551	HO503	35.0336	79.3115	6.2	41	-0.002	14	3600	.	.	27	2060	-0.1	0.0	21	-0.001
2552	HO504	35.0455	79.3429	5.3	109	0.076	.	8100	.	.	19	5780	-0.1	0.7	106	0.480
2553	HO505	35.0833	79.3626	5.3	35	0.007	20	3300	.	.	17	2600	-0.1	0.2	28	-0.001
2554	HO506	35.0801	79.3864	5.0	49	0.062	16	4600	.	.	15	3380	-0.1	1.2	79	-0.001
2555	HO507	35.0484	79.4316	5.5	22	-0.002	17	3800	.	.	15	2830	-0.1	0.0	40	-0.001
2556	HO508	35.0461	79.3928	6.3	21	-0.002	11	3400	.	.	14	1750	0.1	0.0	41	-0.001
2557	HO509	35.0175	79.3623	5.5	70	0.021	17	4000	.	.	18	3550	-0.1	0.3	45	-0.001
2558	HO510	35.0097	79.3861	6.9	131	-0.002	14	4200	.	.	20	2940	-0.1	0.0	31	-0.001
2573	HO525	35.0410	79.1075	6.4	11	0.022	14	3600	.	.	18	2150	-0.1	2.0	30	-0.001
2574	HO526	35.0406	79.1410	5.7	61	0.048	.	7100	.	.	32	3310	-0.1	0.7	88	-0.001
2575	HO527	35.0336	79.2269	5.7	26	0.005	.	4500	.	.	35	2220	-0.1	0.1	49	-0.001
2576	HO528	35.0171	79.2372	5.8	21	0.003	22	5000	.	.	28	2060	-0.1	0.1	51	-0.001
2577	HO529	35.0171	79.2024	5.5	17	-0.002	20	3600	.	.	27	2570	-0.1	-0.1	32	-0.001
2590	HO542	35.0168	79.0828	4.6	83	0.059	.	6700	.	.	27	3560	-0.1	0.7	201	-0.001
2596	HO548	35.0133	79.1576	5.3	49	0.055	.	9200	.	.	44	15510	-0.1	1.1	79	-0.001
2597	HO549	35.0200	79.1139	6.2	121	0.051	.	10500	47	2470	54	13250	1.7	0.4	551	-0.001
2598	HO550	35.1829	79.1927	5.5	16	0.031	.	5200	.	.	42	11880	-0.1	1.9	77	-0.001
2599	HO551	35.1475	79.3423	5.2	33	0.043	.	6000	.	.	52	12280	-0.1	1.3	101	-0.001
2600	HO552	35.0522	79.2264	5.4	16	0.040	.	5100	.	.	49	11650	-0.1	2.5	57	-0.001
2619	HR519	35.2449	79.0227	6.0	50	-0.002	.	6000	.	.	21	3660	-0.1	0.0	46	-0.001
2620	HR520	35.2760	79.0705	5.5	10	-0.002	.	3600	.	.	20	2080	-0.1	-0.1	36	-0.001

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
2621	HR521	35.2467	79.0893	5.9	15	-0.002	.	3900	.	.	26	2210	0.1	-0.1	35	-0.001
2622	HR522	35.2343	79.1293	6.2	30	-0.002	9	4500	.	.	20	2570	-0.1	0.0	45	-0.001
2623	HR523	35.2808	79.1244	6.2	90	0.017	.	6800	.	.	31	4390	-0.1	0.1	45	-0.001
2624	HR524	35.2804	79.1897	6.9	53	-0.002	7	3900	9	.	23	2470	0.4	0.0	72	-0.001
2625	HR525	35.3285	79.1166	6.1	52	-0.002	.	6100	.	.	28	3620	-0.1	0.0	53	-0.001
2626	HR526	35.3221	79.0705	5.6	20	0.032	.	5000	.	.	21	2610	0.2	1.6	127	-0.001
2627	HR527	35.3680	79.0764	5.8	87	-0.002	51	9200	.	.	51	5740	-0.1	0.0	142	-0.001
2628	HR528	35.4035	79.0647	6.9	120	-0.002	.	4000	55	.	220	6660	-0.1	0.0	34	-0.001
2629	HR529	35.4583	79.0151	6.7	193	0.006	20	12900	.	.	42	6980	-0.1	0.0	22	-0.001
2631	HR531	35.4121	79.0145	6.8	120	-0.002	.	3800	83	.	287	5170	-0.1	0.0	23	-0.001
2632	HR532	35.3674	79.0113	6.6	98	-0.002	.	3700	181	.	88	4380	-0.1	0.0	29	-0.001
2633	HR533	35.3154	79.0101	6.2	21	-0.002	.	3700	.	.	22	2250	-0.1	0.0	27	-0.001
2986	LE501	35.4581	79.2322	6.1	22	0.216	.	8500	.	2380	17	5930	0.5	9.8	19	-0.001
2987	LE502	35.4603	79.2900	7.2	310	0.039	20	M	.	M	4	M	-0.1	0.1	17	-0.001
2988	LE503	35.4691	79.3488	8.1	468	2.905	57	12600	.	8380	.	12870	1.4	6.2	9	-0.001
3000	LE515	35.4981	79.0553	6.2	55	1.302	20	M	.	1210	.	M	-0.1	23.6	.	-0.001
3001	LE516	35.4994	79.0100	6.0	48	0.036	21	M	.	2830	.	M	-0.1	0.7	.	-0.001
3002	LE517	35.4623	79.0731	5.6	28	0.966	.	5100	.	.	31	3310	-0.1	34.5	44	-0.001
3003	LE518	35.4640	79.1242	6.1	62	0.020	.	5100	50	.	88	3710	-0.1	0.3	47	-0.001
3004	LE519	35.4600	79.1833	7.0	365	3.069	.	15800	.	.	55	12990	1.8	8.4	44	-0.001
3005	LE520	35.4162	79.2343	7.4	161	0.033	15	4600	21	.	105	8830	-0.1	0.2	41	0.040
3006	LE521	35.4141	79.2895	6.7	141	-0.002	.	4600	67	.	190	7260	-0.1	0.0	44	-0.001
3007	LE522	35.3707	79.2304	6.7	102	-0.002	.	3900	109	.	134	4300	-0.1	0.0	32	-0.001
3008	LE523	35.3303	79.1810	7.1	40	-0.002	.	3100	90	.	188	4200	-0.1	0.0	31	-0.001
3009	LE524	35.3758	79.1751	6.8	101	0.006	9	3500	.	.	33	2630	-0.1	0.0	23	-0.001
3010	LE525	35.4156	79.1740	6.6	104	-0.002	36	5800	.	.	32	3820	-0.1	0.0	122	-0.001
3011	LE526	35.3814	79.1198	4.8	81	0.091	.	6300	.	.	41	4110	-0.1	1.1	151	-0.001
3012	LE527	35.4197	79.1203	5.8	73	-0.002	13	8300	.	.	53	5060	-0.1	0.0	40	0.050
3325	MG501	35.4487	79.7906	6.3	238	0.022	.	59800	.	4820	4	35500	-0.1	0.0	.	-0.001
3326	MG502	35.4133	79.7954	6.3	32	0.022	89	11700	26	880	7	7280	-0.1	0.6	29	-0.001
3327	MG503	35.3622	79.7490	6.5	40	0.031	39	7900	.	.	7	3260	0.2	0.7	31	-0.001
3328	MG504	35.3593	79.7961	7.0	440	0.066	359	74500	.	30400	.	18500	-0.1	0.1	11	-0.001
3329	MG505	35.3185	79.8006	6.5	55	0.021	129	11200	.	4380	.	3630	0.6	0.3	14	-0.001
3330	MG506	35.3163	79.7440	6.1	32	0.031	.	9800	.	1880	.	2940	0.2	0.9	30	-0.001
3331	MG507	35.2746	79.7906	6.5	88	0.021	65	11700	.	5920	464	M	-0.1	0.2	16	-0.001
3332	MG508	35.2731	79.7419	5.3	23	0.076	.	10800	.	410	10	2930	-0.1	3.3	31	-0.001

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
3333	MG509	35.2240	79.7404	7.6	71	0.070	79	12400	.	1420	25	2110	0.5	0.9	85	-0.001
3334	MG510	35.2263	79.6965	7.5	88	0.026	161	25900	.	.	26	M	-0.1	0.3	24	-0.001
3335	MG511	35.1834	79.6860	4.8	38	0.141	54	11500	.	2570	9	2550	-0.1	3.7	94	0.650
3336	MG512	35.1801	79.7403	4.5	60	0.205	64	11900	.	5190	12	3580	-0.1	3.4	125	0.870
3337	MG513	35.1801	79.7974	5.9	150	0.370	.	33300	.	5080	13	18240	-0.1	2.4	16	0.100
3338	MG514	35.2210	79.7942	7.5	167	0.327	36	13400	.	15190	.	4880	-0.1	1.9	27	-0.001
3339	MG515	35.1890	79.8534	7.1	38	0.040	.	10100	.	.	25	M	-0.1	1.0	23	-0.001
3340	MG516	35.2402	79.8602	6.2	82	0.033	86	11500	.	.	55	M	-0.1	0.4	19	-0.001
3341	MG517	35.2746	79.8534	6.6	103	0.171	74	19300	.	3780	.	6610	0.3	1.6	151	0.140
3342	MG518	35.1824	79.9056	7.9	121	0.299	78	10600	.	7520	.	13440	6.6	2.4	18	-0.001
3343	MG519	35.2263	79.9122	7.4	398	1.431	229	M	.	M	125	M	-0.1	3.6	.	-0.001
3344	MG520	35.2692	79.8967	6.4	88	-0.002	.	11500	.	.	18	9510	1.7	0.0	25	2.920
3345	MG521	35.3175	79.8997	6.3	22	0.018	74	8100	.	.	4	4680	-0.1	0.8	19	-0.001
3346	MG522	35.3224	79.8506	7.6	301	0.570	124	15800	.	5920	.	14240	0.6	1.8	14	0.210
3347	MG523	35.4912	79.8040	7.7	172	0.177	101	13000	.	.	2	9180	0.7	1.0	31	-0.001
3348	MG524	35.4785	79.8323	6.7	45	0.011	78	8800	35	2410	25	2910	-0.1	0.2	29	0.050
3349	MG525	35.4586	79.8369	6.8	53	0.036	69	9900	10	1570	.	7790	-0.1	0.6	14	-0.001
3350	MG526	35.4054	79.8515	6.5	51	0.017	79	M	.	M	18	M	-0.1	0.3	37	-0.001
3351	MG527	35.3440	79.8630	6.1	38	0.019	77	8300	.	.	13	7070	-0.1	0.5	29	0.050
3362	MG538	35.1884	79.9572	7.0	180	1.005	87	M	.	31640	224	M	-0.1	5.5	43	-0.001
3363	MG539	35.4934	79.9904	6.3	30	0.004	.	11300	.	3550	25	5150	-0.1	0.1	22	-0.001
3365	MG541	35.4941	79.9052	7.8	75	0.034	56	7900	.	1610	130	5600	2.1	0.4	15	-0.001
3366	MG542	35.4763	79.9796	8.0	195	0.371	145	22800	.	7540	143	12750	-0.1	1.9	15	-0.001
3367	MG543	35.4144	79.9549	7.8	75	0.029	20	14100	.	.	15	7410	-0.1	0.3	33	-0.001
3368	MG544	35.4484	79.9304	7.4	30	0.023	60	7100	.	.	10	3830	-0.1	0.7	19	0.050
3369	MG545	35.4073	79.9068	6.5	20	0.021	.	9900	.	.	8	2340	-0.1	1.0	102	-0.001
3370	MG546	35.3816	79.8905	6.6	70	0.021	80	15900	.	670	5	11490	0.2	0.3	24	-0.001
3371	MG547	35.3630	79.9627	6.6	80	0.008	56	13200	.	.	49	8450	-0.1	0.1	17	-0.001
3373	MG549	35.3114	79.9677	7.1	40	0.024	50	M	.	M	5	M	-0.1	0.6	29	-0.001
3374	MG550	35.2738	79.9618	7.1	120	0.262	60	16200	.	5070	20	8470	-0.1	2.1	25	-0.001
3376	MG552	35.2324	79.9512	7.5	750	2.058	.	73900	.	11860	.	110800	-0.1	2.7	39	-0.001
3377	MO501	35.3704	79.4459	7.4	520	1.497	184	M	.	35640	.	M	-0.1	2.8	.	-0.001
3378	MO502	35.3721	79.4987	7.7	275	0.107	17	8400	.	9210	255	10910	-0.1	0.3	12	-0.001
3379	MO503	35.3707	79.5594	6.1	70	0.056	33	8600	.	990	26	3760	-0.1	0.8	10	0.310
3380	MO504	35.3733	79.6011	6.8	190	0.013	112	16100	.	5530	420	8710	2.3	0.0	10	-0.001
3381	MO505	35.3788	79.6711	5.9	41	0.039	11	4800	21	.	7	5280	-0.1	0.9	115	-0.001

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
3382	MO506	35.4222	79.6731	6.3	69	0.063	.	6200	.	.	13	6230	0.1	0.9	20	-0.001
3383	MO507	35.4079	79.7233	6.5	91	0.038	7	M	.	2410	6	M	-0.1	0.4	.	-0.001
3384	MO508	35.4682	79.7466	5.8	22	0.028	17	3900	.	.	24	1500	-0.1	1.2	15	0.070
3387	MO511	35.4634	79.6711	7.3	476	0.043	80	18800	.	7730	.	9050	-0.1	0.0	10	-0.001
3393	MO517	35.4952	79.3438	7.3	182	0.044	.	7100	.	7040	50	4920	3.6	0.2	14	-0.001
3394	MO518	35.4682	79.4098	8.0	620	0.416	134	29900	.	2530	18	34680	-0.1	0.6	14	-0.001
3395	MO519	35.4605	79.4568	6.6	242	0.092	66	17700	.	4380	658	13720	-0.1	0.3	113	0.190
3396	MO520	35.4642	79.5125	7.0	520	1.065	424	72000	.	2320	101	23800	-0.1	2.0	.	-0.001
3397	MO521	35.4573	79.5732	7.1	362	0.051	94	15200	.	18760	.	15060	2.1	0.1	8	-0.001
3398	MO522	35.4613	79.6253	7.2	171	0.046	150	M	.	M	29	M	-0.1	0.2	222	-0.001
3399	MO523	35.4148	79.6278	6.1	40	0.007	.	4600	.	.	20	4230	-0.1	0.1	94	-0.001
3400	MO524	35.4167	79.5730	7.0	380	0.016	59	24200	.	10760	.	11360	0.8	0.0	21	-0.001
3401	MO525	35.4195	79.5222	6.7	78	-0.002	6	4100	24	.	24	3400	0.4	0.0	24	-0.001
3402	MO526	35.3965	79.4508	7.8	299	0.588	.	17700	.	3560	.	23130	-0.1	1.9	30	-0.001
3403	MO527	35.4189	79.4156	7.0	139	0.078	.	7700	15	.	41	5320	-0.1	0.5	18	-0.001
3404	MO528	35.3709	79.4006	7.8	272	5.551	.	8500	26	.	77	13650	0.2	20.4	9	-0.001
3405	MO529	35.4102	79.3475	7.1	126	1.331	.	4600	58	.	31	6290	2.3	10.5	16	-0.001
3406	MO530	35.3696	79.3534	7.7	308	0.123	.	5000	97	.	74	12930	-0.1	0.4	11	-0.001
3407	MO531	35.3257	79.2363	5.5	60	0.095	.	8700	.	.	28	4500	-0.1	1.5	128	-0.001
3408	MO532	35.3266	79.2929	7.1	98	0.054	.	3300	27	.	.	4890	0.3	0.5	42	-0.001
3409	MO533	35.3720	79.2876	7.1	120	-0.002	.	5300	42	.	14	15850	-0.1	0.0	32	-0.001
3410	MO534	35.3250	79.3421	5.9	95	0.103	.	8600	.	.	27	5670	-0.1	1.0	65	-0.001
3411	MO535	35.3279	79.4041	5.9	30	-0.002	6	4500	.	.	18	2560	-0.1	0.0	42	-0.001
3412	MO536	35.3323	79.4618	6.6	117	-0.002	.	4800	170	.	120	4890	-0.1	0.0	25	-0.001
3413	MO537	35.3221	79.5042	6.9	249	0.180	.	19100	.	.	131	13320	-0.1	0.7	42	-0.001
3414	MO538	35.3265	79.5702	6.4	70	0.006	.	5600	.	.	27	3250	-0.1	0.0	25	-0.001
3415	MO539	35.3241	79.6167	6.8	42	-0.002	.	4400	.	.	17	2460	-0.1	0.0	23	0.060
3416	MO540	35.3278	79.6791	5.2	71	0.045	.	7600	.	.	34	4880	-0.1	0.6	294	6.440
3417	MO541	35.2881	79.6584	6.0	118	0.007	11	7400	.	.	19	6010	-0.1	0.0	77	-0.001
3418	MO542	35.2778	79.6174	4.9	91	0.137	.	7700	.	.	44	4160	-0.1	1.5	137	-0.001
3419	MO543	35.2738	79.5528	5.1	158	0.069	.	13800	.	.	18	8360	-0.1	0.4	504	-0.001
3420	MO544	35.2833	79.5152	5.6	95	-0.002	110	10200	.	.	42	3710	-0.1	0.0	41	-0.001
3421	MO545	35.2785	79.4597	6.1	28	3.394	.	3800	.	.	19	2390	-0.1	121.2	16	-0.001
3422	MO546	35.2792	79.4036	5.6	55	0.018	.	7000	.	.	26	4660	-0.1	0.3	49	-0.001
3423	MO547	35.2779	79.3428	5.2	101	0.012	19	6000	.	.	53	7360	-0.1	0.1	185	-0.001
3424	MO548	35.2769	79.2940	6.1	62	0.033	14	6200	.	.	23	4030	-0.1	0.5	17	-0.001

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
3425	MO549	35.2810	79.2404	5.6	141	0.066	.	14300	.	.	26	6410	-0.1	0.4	102	-0.001
3426	MO550	35.2285	79.1766	4.9	61	0.105	14	5700	.	.	23	3060	-0.1	1.7	233	-0.001
3427	MO551	35.1896	79.1424	4.9	95	0.070	15	10100	.	.	29	6570	-0.1	0.7	143	-0.001
3428	MO552	35.1962	79.1868	5.8	48	-0.002	.	4900	.	.	34	3580	-0.1	0.0	15	-0.001
3429	MO553	35.2362	79.2369	6.6	90	0.018	21	6200	.	.	29	3300	-0.1	0.2	34	0.050
3430	MO554	35.2304	79.3035	6.2	38	-0.002	.	3000	.	.	32	2010	-0.1	0.0	13	-0.001
3431	MO555	35.2439	79.3490	6.4	41	-0.002	7	4200	.	.	20	2600	-0.1	0.0	17	-0.001
3432	MO556	35.2353	79.4059	4.8	82	0.048	14	4800	.	.	34	3800	-0.1	0.5	236	0.260
3433	MO557	35.2391	79.4528	9.5	49	0.011	.	3300	.	.	15	2220	-0.1	0.2	101	-0.001
3434	MO558	35.2356	79.5040	6.5	26	0.005	.	3600	.	.	18	2340	-0.1	0.1	27	-0.001
3435	MO559	35.2359	79.5677	5.7	29	-0.002	.	5200	.	.	23	2980	-0.1	0.0	21	-0.001
3436	MO560	35.2339	79.6234	5.5	40	-0.002	.	2900	37	.	17	3570	-0.1	0.0	31	-0.001
3437	MO561	35.1900	79.6149	6.8	205	0.150	.	4100	44	.	.	4420	-0.1	0.7	23	-0.001
3438	MO562	35.1919	79.5670	5.2	36	8.574	.	4000	.	.	27	2470	-0.1	238.1	66	-0.001
3439	MO563	35.1512	79.5700	5.7	30	-0.002	364	4100	.	.	25	2370	-0.1	0.0	29	-0.001
3440	MO564	35.1362	79.5139	5.5	90	0.015	8	6600	.	.	27	2880	-0.1	0.1	116	-0.001
3441	MO565	35.1153	79.5604	5.5	42	0.002	.	5100	.	.	25	3430	-0.1	0.0	31	-0.001
3442	MO566	35.0867	79.4996	5.7	39	-0.002	.	3900	9	.	21	2780	-0.1	0.0	57	-0.001
3443	MO567	35.1114	79.4482	5.5	30	-0.002	.	3400	.	.	25	2570	-0.1	0.0	24	-0.001
3444	MO568	35.1553	79.4742	6.0	27	-0.002	.	3500	.	.	24	2890	-0.1	0.0	22	-0.001
3445	MO569	35.1890	79.5166	5.3	12	-0.002	8	3700	.	.	19	2260	-0.1	-0.1	43	-0.001
3446	MO570	35.1120	79.3911	5.3	21	0.047	.	8500	.	.	215	10350	-0.1	2.2	93	0.150
3447	MO571	35.0614	79.4494	5.4	58	0.025	.	20000	.	.	255	10960	-0.1	0.4	99	-0.001
3448	MO572	35.1473	79.3907	5.3	21	0.011	.	10100	.	.	221	9600	-0.1	0.5	132	-0.001
3449	MO573	35.1486	79.3534	5.9	17	0.003	.	7700	.	.	254	9480	-0.1	0.1	98	-0.001
3450	MO574	35.1910	79.4162	6.4	31	-0.002	.	9300	.	.	230	9850	-0.1	0.0	62	-0.001
3451	MO575	35.1989	79.3534	5.7	18	0.020	13	8500	.	.	234	9230	-0.1	1.1	43	-0.001
3452	MO576	35.1941	79.2991	6.4	45	0.030	.	M	.	M	.	M	-0.1	0.6	.	-0.001
4481	RI502	35.1457	79.9673	7.3	120	0.050	.	23100	.	1660	70	19340	-0.1	0.4	156	0.100
4482	RI503	35.1449	79.9002	6.4	30	0.024	45	6700	.	.	17	M	-0.1	0.8	10	-0.001
4492	RI513	35.0462	79.8493	7.3	190	0.021	54	M	.	M	296	M	-0.1	0.1	15	-0.001
4493	RI514	35.0950	79.8977	7.4	340	0.219	.	M	.	M	81	M	-0.1	0.6	.	0.110
4495	RI516	35.1398	79.8535	7.6	230	0.032	.	7400	103	21470	14	14300	-0.1	0.1	12	-0.001
4496	RI517	35.1255	79.8018	6.5	100	0.018	12	8200	179	4650	729	9260	-0.1	0.1	14	-0.001
4497	RI518	35.0992	79.7912	6.8	90	0.024	.	7000	248	3510	1214	10960	-0.1	0.2	9	-0.001
4498	RI519	35.0725	79.8264	6.1	75	0.022	31	9100	75	.	53	7060	-0.1	0.2	25	0.060

SOUTHERN PINES 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
4499	R1520	35.0558	79.7896	8.1	150	0.049	18	5600	98	2410	40	41130	-0.1	0.3	.	-0.001
4500	R1521	35.0055	79.7971	6.0	70	0.122	.	11100	.	1180	27	4350	-0.1	1.7	111	1.050
4513	R1534	35.0100	79.5732	7.8	232	0.070	.	M	.	M	62	M	-0.1	0.3	27	-0.001
4514	R1535	35.0484	79.5198	6.9	52	0.042	25	5800	.	2830	20	2200	-0.1	0.8	72	0.200
4515	R1536	35.0429	79.5858	6.9	56	0.015	.	4800	.	1920	41	M	-0.1	0.2	27	-0.001
4516	R1537	35.1024	79.6033	5.7	12	0.036	8	2900	.	.	8	1780	-0.1	3.0	24	0.070
4517	R1538	35.1446	79.6332	5.0	48	0.170	48	4800	.	1680	28	3440	0.2	3.5	218	1.530
4518	R1539	35.1360	79.6868	5.2	32	0.083	6	6000	25	960	13	5590	-0.1	2.5	97	0.410
4519	R1540	35.1376	79.7358	6.1	42	0.050	16	M	.	M	13	M	-0.1	1.1	50	0.340
4520	R1541	35.0883	79.7480	6.1	32	0.036	14	3700	.	1440	.	M	-0.1	1.1	24	0.090
4521	R1542	35.0870	79.6959	6.5	29	0.024	20	4200	.	230	18	2100	-0.1	0.8	28	0.030
4522	R1543	35.0399	79.6707	4.6	120	0.135	74	7600	51	4010	53	3230	-0.1	1.1	834	2.670
4523	R1544	35.0530	79.7385	6.2	92	0.029	15	4000	.	2620	18	1980	0.1	0.3	30	-0.001
4524	R1545	35.0026	79.7452	7.2	108	0.037	.	2600	224	6100	250	5990	-0.1	0.3	28	-0.001
4525	R1546	35.0049	79.6856	5.8	39	0.033	43	M	.	M	12	M	-0.1	0.8	36	0.120
4526	R1547	35.0196	79.6247	7.1	147	0.015	.	4200	814	4790	289	15020	-0.1	0.1	25	-0.001

SOUTHERN PINES 100K QUADRANGLE - STREAMWATER

Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Al ppb	Br ppb	Cl ppb	Dy ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x 1000
5	CU005	35.0646	79.0403	6.2	11	0.065	269	39	7100	-0.001	.	.	104	11450	-0.1	5.9
6	CU006	35.0352	79.0501	5.3	22	0.028	224	.	8500	-0.001	.	.	113	12750	1.2	1.3
34	CU034	35.1862	79.0751	4.8	15	0.053	238	34	8000	-0.001	.	.	16	7560	1.0	3.5
43	CU044	35.1560	79.0446	6.9	23	0.065	141	66	7600	-0.001	17	.	34	8320	0.3	2.8
44	CU045	35.1707	79.0876	5.4	12	0.036	189	36	7200	-0.001	.	.	13	7490	-0.1	3.0
45	CU046	35.0828	79.0426	5.1	12	0.047	208	.	8200	-0.001	.	.	16	7670	-0.1	3.9
46	CU047	35.0986	79.0252	5.1	17	0.065	245	27	7200	-0.001	.	1460	28	8370	-0.1	3.8
125	HO001	35.0500	79.4172	5.6	28	0.045	249	18	7700	-0.001	41	.	29	4530	-0.1	1.6
126	HO002	35.0743	79.3894	6.0	30	0.091	213	11	9200	0.080	56	.	29	4950	-0.1	3.0
127	HO003	35.0311	79.3714	6.0	29	1.025	135	.	7300	-0.001	16	2490	27	4850	0.6	35.3
130	HO006	35.0104	79.3392	5.2	28	0.065	818	.	8200	-0.001	19	.	27	4040	1.3	2.3
142	HO022	35.0081	79.2164	6.1	35	0.041	198	.	7100	-0.001	.	.	12	4080	0.4	1.2
143	HO023	35.0104	79.1654	5.3	30	0.086	250	24	7800	-0.001	.	.	11	4930	0.4	2.9
144	HO024	35.0308	79.1362	5.4	24	0.047	292	.	6300	0.060	.	.	12	3500	-0.1	2.0
146	HO026	35.0156	79.0872	6.2	85	0.048	333	61	13500	-0.001	69	.	59	5760	0.8	0.6
147	HO027	35.0059	79.0966	4.9	61	0.072	267	.	11600	-0.001	.	.	50	5780	1.9	1.2
148	HO028	35.1626	79.1187	5.8	11	0.020	71	16	6500	-0.001	.	.	15	3260	-0.1	1.8
149	HO029	35.1667	79.1546	5.3	11	0.046	131	61	7600	0.070	19	.	8	3080	0.8	4.2
150	HO030	35.1806	79.1782	5.0	11	0.037	145	31	7100	-0.001	.	.	8	2910	-0.1	3.4
151	HO031	35.1846	79.2021	4.7	15	0.026	169	.	6600	-0.001	.	.	2	3230	-0.1	1.7
152	HO032	35.1680	79.2532	5.0	11	0.046	116	27	7000	-0.001	.	.	5	3050	-0.1	4.2
153	HO033	35.1254	79.3381	5.3	12	0.029	124	33	8800	-0.001	.	.	11	2950	-0.1	2.4
154	HO034	35.1032	79.2994	4.9	12	0.032	145	59	7300	-0.001	.	.	9	2880	-0.1	2.7
155	HO035	35.0744	79.2923	5.2	11	0.045	101	33	7300	0.050	.	.	.	3230	0.6	4.1
156	HO036	35.0644	79.2941	5.2	12	0.348	171	8	6100	-0.001	13	1250	6	3080	-0.1	29.0
157	HO037	35.0754	79.2093	4.9	17	0.060	109	35	7200	-0.001	.	.	8	3380	-0.1	3.5
158	HO038	35.0682	79.1343	4.8	14	0.040	118	64	6700	-0.001	.	.	7	3350	0.6	2.9
159	HO039	35.0631	79.0924	4.9	13	0.044	118	30	7400	-0.001	25	.	5	2990	-0.1	3.4
263	SC023	35.0117	79.4481	5.0	12	0.036	481	.	6300	0.200	.	.	101	7730	0.7	3.0