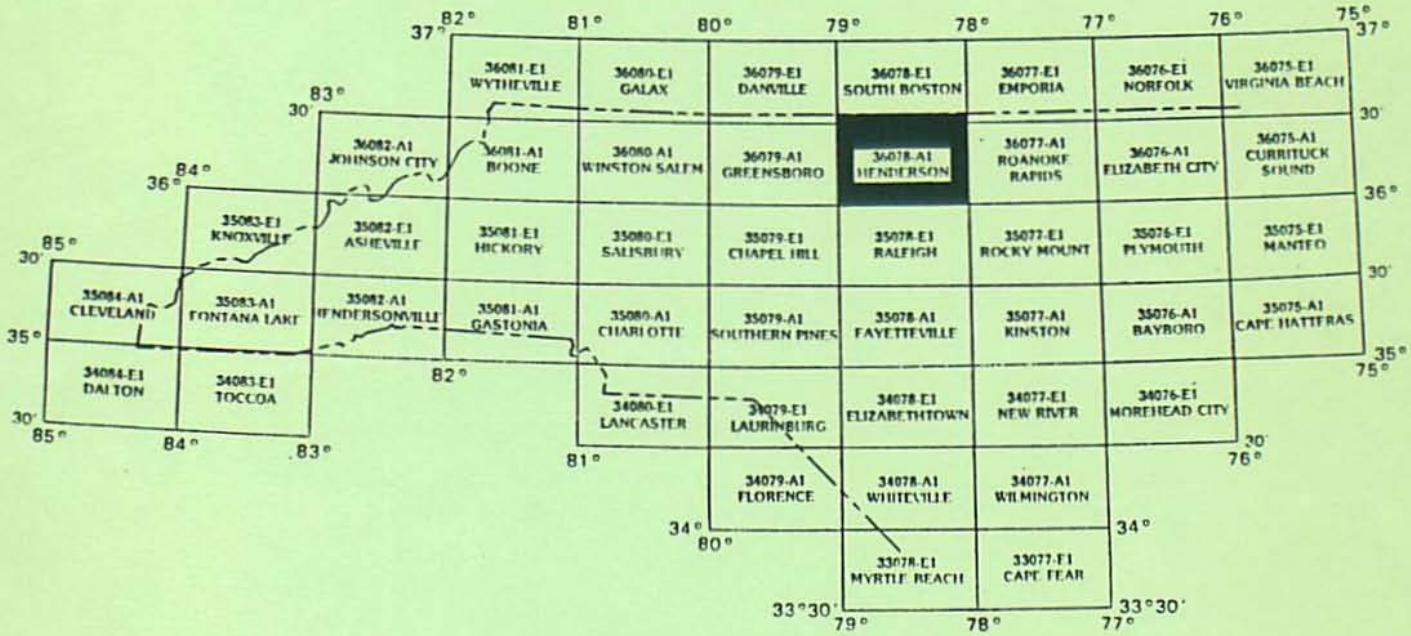
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the South Boston and Henderson 30 x 60 - Minute Quadrangles -NURE Database

by
Robert H. Carpenter and Jeffrey C. Reid



NORTH CAROLINA GEOLOGICAL SURVEY
OPEN-FILE REPORT 93-20

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

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

July, 1993

GEOLOGICAL SURVEY SECTION

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

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Jeffrey C. Reid
Chief Geologist

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INTRODUCTION

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

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

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

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

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

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

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

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

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

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

REFERENCES

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

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

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

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

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

CONTENTS

COUNTY CODES

Code	County
DR	Durham
FR	Franklin
GN	Granville
NA	Nash
OR	Orange
PN	Person
VA	Vance
WA	Wake
WR	Warren

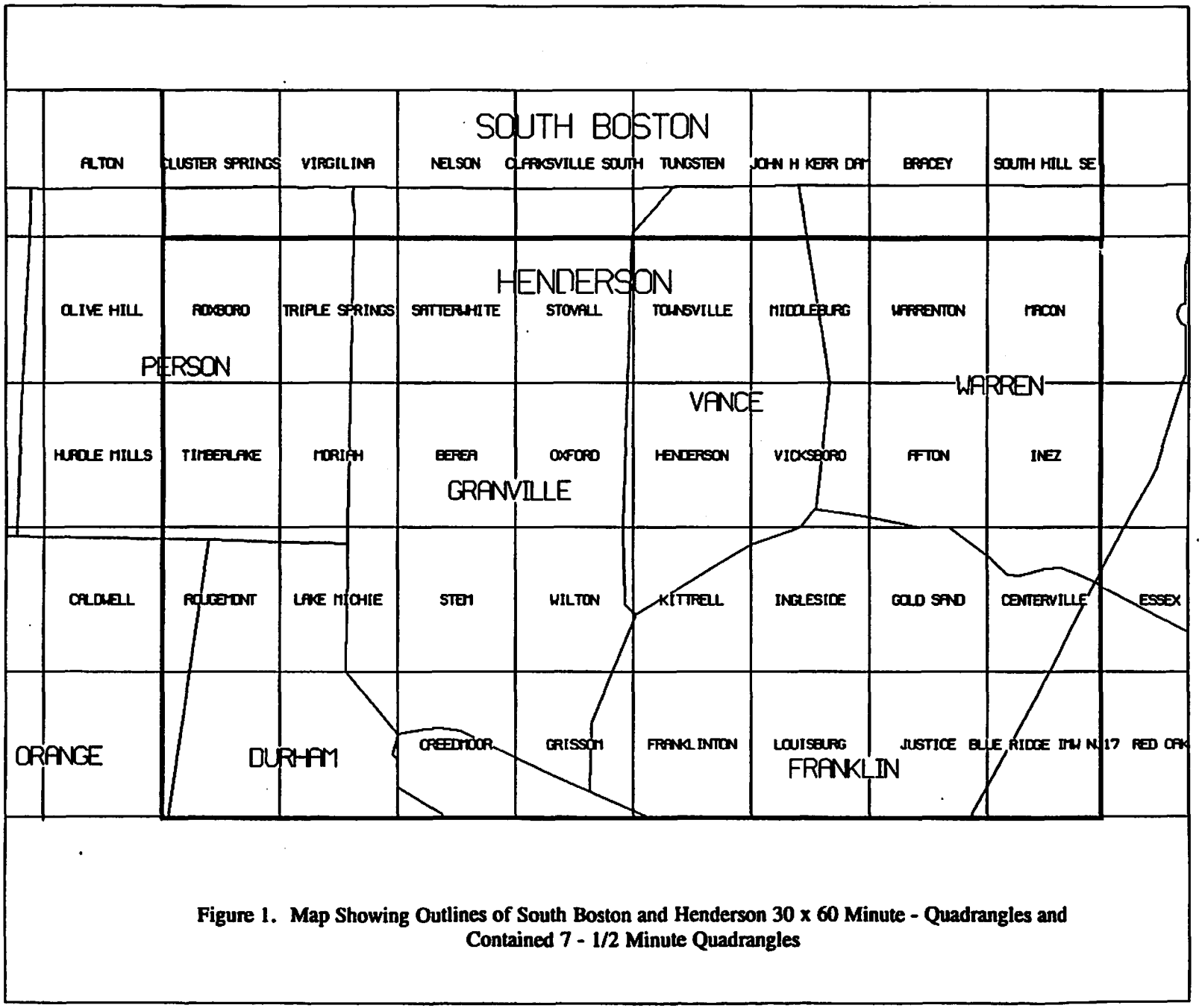

Figure 1. Map Showing Outlines of South Boston and Henderson 30 x 60 Minute - Quadrangles and Contained 7 - 1/2 Minute Quadrangles

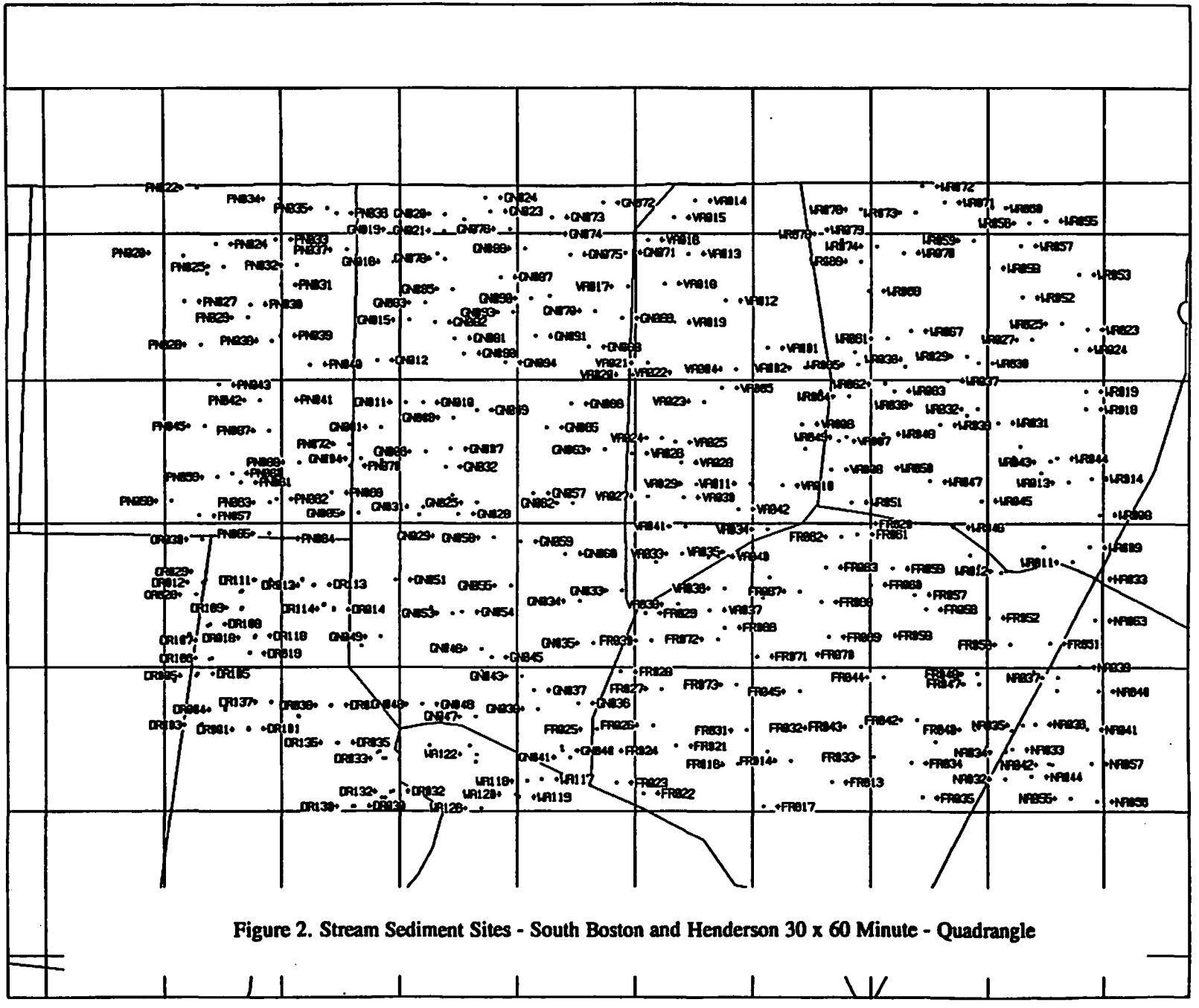

Figure 2. Stream Sediment Sites - South Boston and Henderson 30 x 60 Minute - Quadrangle

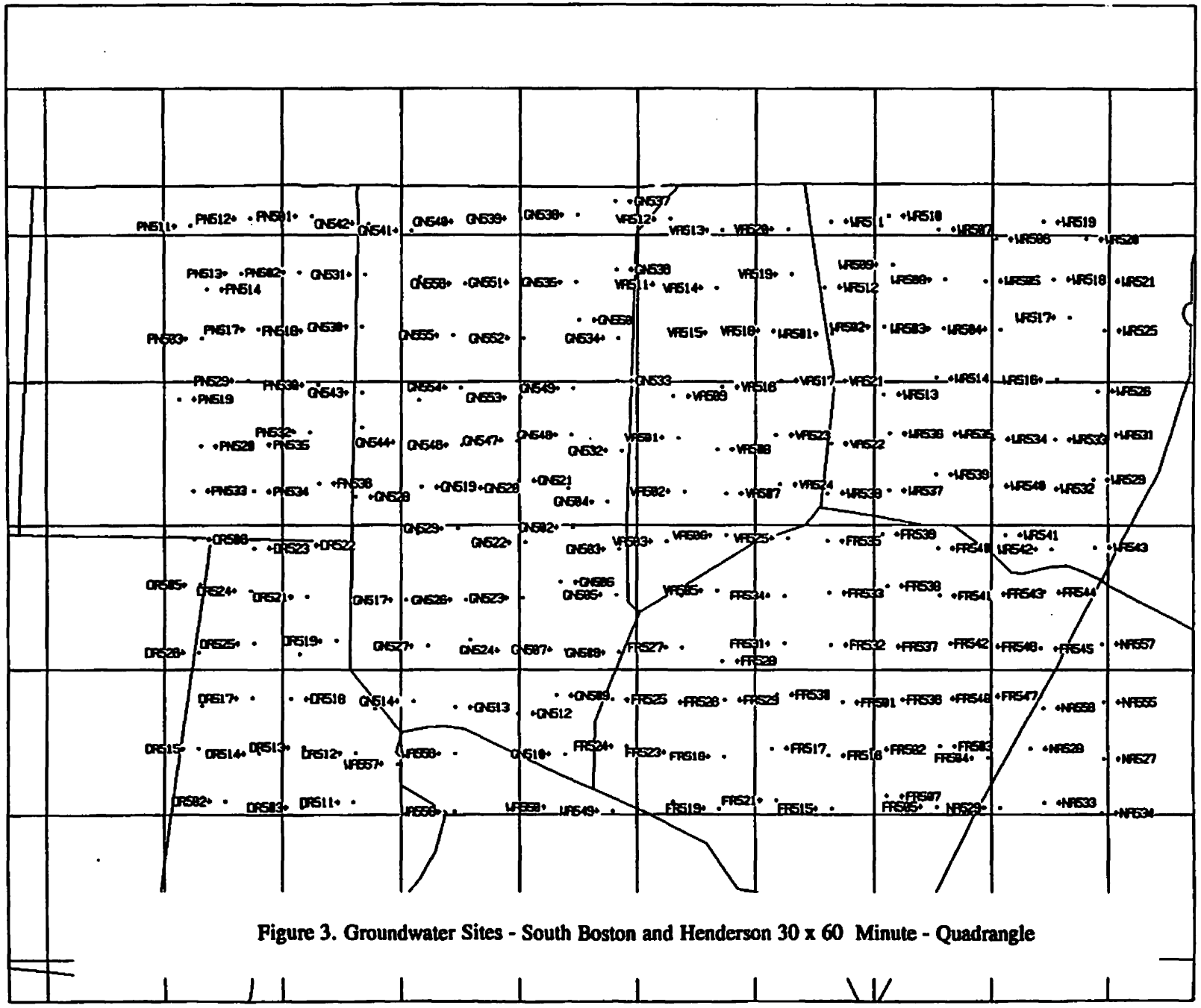

Figure 3. Groundwater Sites - South Boston and Henderson 30 x 60 Minute - Quadrangle

SOUTH BOSTON 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
2346	GN018	36.5030	78.7807	6.7	78	1.6	-4	M	105000	45	81400	3500	25700	19.5	9500	250	9.0	-1.0	16	130	M	-0.4	
2347	GN019	36.5036	78.7507	7.1	101	1.9	-4	8	63800	-35	52300	2010	19400	17.9	8700	130	3.2	-1.2	M	9	M	0.9	0.484
2348	GN020	36.5168	78.7015	6.9	70	1.8	6	5	67800	-20	54600	1170	14500	13.0	10900	240	M	2.9	M	M	M	-0.3	
2349	GN021	36.5026	78.7022	7.3	108	1.1	-5	4	70700	37	62200	1820	17900	23.6	9500	220	5.1	-1.2	49	M	M	1.0	
2350	GN022	36.5124	78.6814	7.3	110	1.6	-3	5	38700	56	31400	1840	14800	14.3	14800	130	M	2.4	60	M	M	-0.3	
2351	GN023	36.5191	78.6532	7.4	110	1.3	4	5	54400	44	35400	2000	19300	16.8	12900	140	1.5	-1.9	M	M	M	-0.4	0.435
2352	GN024	36.5311	78.6585	7.3	118	1.6	4	5	50600	71	36400	2950	18000	7.8	20700	120	2.0	-1.0	12	M	M	-0.4	
2400	GN072	36.5266	78.5341	6.8	58	1.7	-3	M	77900	75	29700	2180	24300	11.0	9600	190	5.4	2.0	66	5	M	-0.4	
2401	GN073	36.5140	78.5880	6.8	70	2.4	-5	35	66200	-29	79000	5390	25300	27.8	58700	280	6.6	-1.7	119	120	8.6	1.0	
2402	GN074	36.5000	78.5899	6.9	68	1.4	-4	21	53300	-20	81300	6100	21200	14.1	M	280	4.5	-1.0	M	78	M	-0.4	
2404	GN076	36.5040	78.6333	7.3	85	1.3	-3	5	35400	-20	24600	1120	19400	8.0	8100	90	M	3.3	M	M	M	-0.4	
2405	GN077	36.5054	78.6621	7.2	90	1.2	-3	3	55700	-20	38300	1480	27800	14.0	12000	100	2.9	-1.2	M	M	M	-0.4	
4683	PN022	36.5400	78.9645	7.3	370	3.8	20	17	73800	58	31700	2170	19600	13.2	9000	180	8.4	6.1	30	84	M	-0.3	0.231
4684	PN023	36.5406	78.9837	M	M	2.6	19	12	81900	129	56800	5090	18300	13.8	8400	210	M	-1.9	M	9	M	M	
4695	PN034	36.5302	78.8773	7.1	108	1.5	8	8	54700	-20	38500	2240	16400	11.9	8000	130	M	-1.2	M	M	6.1	M	
4696	PN035	36.5218	78.8277	M	M	1.4	8	13	39700	55	43300	820	11200	8.7	8900	120	1.0	3.7	M	13	M	0.6	
4697	PN036	36.5175	78.8175	7.2	100	1.3	-3	8	55100	39	35100	800	13300	20.2	4700	150	7.2	-1.0	M	59	6.3	-0.3	
6023	VA014	36.5286	78.4368	7.6	59	4.3	8	62	66900	32	21500	970	33100	9.5	7700	60	4.0	-1.0	19	10	2.6	1.2	
6024	VA015	36.5140	78.4593	7.3	55	17.4	52	1003	44400	-20	46100	8040	21200	17.3	48700	150	14.4	-1.0	M	M	41.8	6.5	
6446	WR055	36.5113	78.0621	7.4	55	45.2	157	32	61600	627	50400	2090	1500	14.6	43100	140	42.1	5.5	310	42	16.0	2.1	
6447	WR056	36.5096	78.0800	7.4	48	7.1	24	27	41900	116	19800	950	4600	9.7	9100	40	5.0	1.5	71	13	5.7	0.4	
6451	WR060	36.5224	78.1208	7.5	49	5.9	36	10	37700	160	13000	1000	6200	6.1	6800	50	9.7	-1.0	89	14	5.9	1.1	
6462	WR071	36.5274	78.1713	7.5	45	2.6	42	8	44700	211	13400	380	17300	2.2	4500	10	2.8	-1.0	105	29	M	0.7	
6463	WR072	36.5411	78.1949	7.1	51	8.5	54	22	37000	245	29700	2310	14800	8.8	9900	50	12.1	1.1	122	15	10.4	1.0	
6464	WR073	36.5181	78.2023	7.3	55	4.5	31	6	91800	159	24600	350	26500	2.9	4400	50	M	3.3	64	5	4.2	0.4	
6467	WR076	36.5207	78.2601	7.1	45	6.4	24	16	20200	114	13100	310	8700	3.8	2700	10	11.6	4.2	63	10	5.8	0.7	
6469	WR078	36.5001	78.2930	7.1	49	2.4	7	4	18200	35	-5000	90	7700	1.1	1100	10	1.4	M	20	3	5.1	-0.2	
6470	WR079	36.5036	78.3121	7.2	41	3.9	31	8	43000	86	7800	210	13000	1.0	2400	10	4.3	-1.0	49	4	3.8	-0.3	

HENDERSON 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
1726	DR001	36.0708	78.9103	7.2	127	3.0	M	35	40000	M	M	1620	27200	15.1	14800	140	2.2	M	M	M	M	M	
1727	DR002	36.0705	78.9371	7.4	135	2.2	-4	14	44000	-20	27800	1410	26700	13.9	11300	100	1.5	-1.7	M	46	M	0.5	
1728	DR003	36.0748	78.9616	M	M	1.6	-4	5	51600	-20	28700	1410	23200	4.9	6000	40	4.6	6.6	11	M	M	-0.4	
1729	DR004	36.0879	78.9355	M	M	1.9	15	5	62000	69	15800	870	24500	10.7	4400	80	2.4	2.8	M	M	M	M	
1730	DR005	36.1175	78.9664	7.6	120	1.1	-5	5	45200	24	41400	1390	24900	17.4	5900	130	2.5	-1.0	M	M	M	-0.3	
1731	DR006	36.1320	78.9518	M	M	1.4	8	5	48900	-20	28600	1040	25100	13.0	5200	90	4.0	2.2	18	24	M	-0.3	
1732	DR007	36.1471	78.9518	7.6	95	1.5	-3	8	52000	58	32300	1210	28600	15.8	8300	120	1.9	-1.0	32	M	M	M	
1733	DR008	36.1611	78.9536	7.4	98	1.4	-4	7	41100	90	34200	590	23400	12.4	5200	100	2.3	-1.0	39	M	M	-0.3	
1734	DR009	36.1756	78.9186	M	M	1.9	6	6	120800	42	26800	3030	21900	9.0	18000	220	M	-1.0	15	2	1.6	0.4	
1735	DR010	36.1908	78.9192	M	M	2.5	5	6	37700	31	25700	900	7000	7.7	5600	70	2.0	M	13	3	2.5	0.3	3.978
1736	DR011	36.1993	78.8875	7.5	90	2.4	10	4	92700	88	58500	1320	19900	17.9	5600	120	6.8	1.5	26	6	M	0.6	
1737	DR012	36.1990	78.9588	7.4	80	1.4	3	6	36000	25	25700	580	5900	10.7	4700	80	M	-1.0	13	2	M	-0.3	
1738	DR013	36.1965	78.8411	M	M	2.7	8	23	36200	40	51200	620	3800	13.2	4400	60	M	-1.2	18	3	2.0	0.5	
1739	DR014	36.1750	78.8202	7.4	105	1.3	6	8	36700	25	24700	M	M	10.4	M	M	M	0.8	12	1	4.5	0.3	
1740	DR015	36.1789	78.8304	M	M	1.4	3	7	23900	10	7400	180	7800	2.2	2300	30	M	-1.0	7	1	M	0.2	
1741	DR016	36.1736	78.8452	M	M	2.7	4	14	39700	28	25000	1810	4700	6.9	4400	50	M	2.1	16	2	M	0.4	
1742	DR017	36.2004	78.8539	7.4	68	3.0	6	11	40900	30	20800	610	4100	5.3	4400	40	3.5	0.5	11	2	M	0.5	
1743	DR018	36.1507	78.9043	7.2	138	2.0	4	7	44100	44	35500	2580	16300	10.9	17500	170	M	5.5	15	2	M	0.5	
1744	DR019	36.1372	78.9093	7.7	105	1.6	2	5	42600	31	28700	1170	7700	9.3	6400	100	M	-1.1	11	2	M	0.3	
1745	DR020	36.0927	78.8667	M	M	4.0	9	24	110600	45	19100	2330	15300	5.4	17900	190	M	-1.0	15	2	4.3	0.6	
1746	DR021	36.0822	78.8569	7.5	102	3.1	12	30	35900	70	29300	1230	8600	9.5	11200	120	M	1.4	29	4	4.1	0.7	
1755	DR030	36.0047	78.7983	M	M	7.0	85	22	138600	285	10800	1560	31200	5.4	10300	100	M	1.4	145	15	M	0.3	
1756	DR031	36.0119	78.7655	7.5	202	3.2	70	30	36700	253	18900	420	10500	11.0	3500	20	3.8	-1.3	128	10	5.0	0.8	
1757	DR032	36.0170	78.7566	7.5	202	3.0	M	8	41800	35	-5200	580	15700	5.8	3200	30	3.5	-1.0	M	M	M	-0.3	
1758	DR033	36.0451	78.7646	M	M	4.0	-3	8	62800	35	39900	420	19700	7.7	4100	20	3.4	-1.0	33	5	M	-0.3	
1759	DR034	36.0516	78.7712	M	M	2.7	62	9	44500	189	11600	620	13300	5.7	2500	30	M	1.3	108	8	6.5	-0.3	
1760	DR035	36.0592	78.8154	7.3	480	4.1	M	35	34400	M	M	360	12900	8.4	3700	50	5.4	M	M	M	M	M	
1761	DR036	36.0919	78.8224	7.7	158	2.8	17	19	51400	44	-5000	2240	13900	13.9	12900	150	6.2	-1.0	101	M	M	M	
1762	DR037	36.0944	78.8865	M	M	2.5	65	7	57700	260	18800	470	12200	7.6	3900	60	2.6	-1.0	134	23	7.8	1.5	0.233
1775	DR101	36.0716	78.9097	7.9	155	3.3	12	34	48000	-20	7600	2390	15300	15.7	19300	200	5.5	-1.0	M	80	3.7	-0.3	
1776	DR102	36.0710	78.9362	8.0	152	2.5	6	18	53100	28	10000	1950	15200	11.3	14600	120	M	-1.0	43	M	M	M	
1777	DR103	36.0758	78.9599	M	M	1.6	-3	5	49500	-20	39100	1880	13600	7.5	6400	50	M	3.5	15	5	M	0.6	
1778	DR104	36.0893	78.9349	7.4	106	1.6	5	7	48100	26	-5300	770	18700	6.8	5800	60	M	6.1	M	M	M	0.4	
1779	DR105	36.1194	78.9643	7.7	110	1.2	6	6	45900	47	20500	1050	11500	17.2	5100	130	4.9	2.0	34	M	M	-0.3	

HENDERSON 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
1780	DR106	36.1329	78.9496	7.6	81	1.6	M	7	53000	-20	47300	1660	9200	7.2	7000	120	4.4	1.7	15	M	4.3	-0.2	
1781	DR107	36.1483	78.9498	7.7	85	1.9	9	2	54700	-20	49000	1410	13500	10.5	11000	170	M	-1.0	45	M	M	-0.4	
1782	DR108	36.1626	78.9514	7.5	81	1.5	-3	7	38600	62	39900	620	9600	7.4	5900	120	1.8	-1.0	29	4	M	-0.2	
1783	DR109	36.1768	78.9173	M	M	6.9	5	5	44500	-20	37000	1510	12200	6.5	7500	100	4.4	-1.0	M	7	5.7	-0.4	
1784	DR110	36.1916	78.9177	M	M	2.6	5	4	45400	-20	41500	1910	10600	5.9	6900	90	5.2	-1.0	18	4	4.9	-0.2	
1785	DR111	36.2012	78.8868	7.5	81	2.4	6	7	18800	28	32500	620	40500	6.2	5100	50	M	-1.0	24	3	M	0.5	
1786	DR112	36.2009	78.9565	7.0	71	1.7	6	5	13000	21	30200	290	5900	7.3	M	40	M	-1.0	22	5	M	-0.2	
1787	DR113	36.1971	78.8404	M	M	2.2	6	11	24300	-20	13900	1400	10000	2.2	9700	50	M	-1.0	11	M	3.2	-0.2	
1788	DR114	36.1758	78.8203	6.9	101	1.2	-3	4	36300	-20	15700	600	16500	4.6	6100	70	M	0.7	10	M	M	-0.2	
1789	DR115	36.1794	78.8301	M	M	1.6	8	8	30700	-20	8300	260	11400	2.0	2700	30	M	-1.0	10	M	M	0.3	
1790	DR116	36.1754	78.8453	M	M	1.9	4	8	20000	-20	-5000	850	6500	2.2	4700	30	M	-1.0	7	M	M	-0.2	
1791	DR117	36.2020	78.8533	7.1	75	2.8	-3	11	24500	-20	6100	1310	7400	3.1	8500	30	3.7	-1.0	105	M	M	-0.4	
1792	DR118	36.1522	78.9032	M	M	2.3	-2	M	48400	25	22700	1540	7500	5.3	7400	90	4.0	-1.0	M	M	8.8	-0.4	
1793	DR119	36.1383	78.9082	7.7	92	2.0	-4	M	47600	57	48200	1350	13200	8.8	10700	140	4.5	-1.0	M	M	M	-0.4	
1794	DR120	36.0926	78.8671	7.0	88	4.4	12	17	41800	84	28900	600	8300	4.4	6600	90	6.2	4.4	34	M	5.9	0.8	
1795	DR121	36.0827	78.8576	7.2	108	3.7	11	15	43900	38	30600	1060	9400	6.8	10900	140	2.1	-1.0	25	M	M	M	
1804	DR130	36.0043	78.8001	M	M	9.2	119	36	32500	528	-5200	180	10100	7.8	M	20	7.6	-1.0	267	31	M	1.0	
1805	DR131	36.0113	78.7690	7.5	257	4.8	62	21	32300	232	8200	450	M	6.5	2800	40	3.9	-1.0	113	16	5.9	-0.4	
1806	DR132	36.0168	78.7593	7.6	170	2.5	26	7	44300	73	6900	620	29300	5.6	2800	20	2.1	-1.0	52	M	7.5	-0.2	
1807	DR133	36.0451	78.7673	6.8	109	6.3	103	9	54700	358	12900	500	30500	5.2	2500	20	6.4	-1.0	232	33	M	-0.2	
1808	DR134	36.0507	78.7737	M	M	2.6	18	8	41300	80	-5000	520	25500	4.3	1800	40	1.7	-1.0	36	M	M	-0.3	
1809	DR135	36.0593	78.8168	7.2	280	3.3	12	26	30700	58	9100	330	22700	6.6	3400	40	4.9	-1.0	36	M	5.9	-0.2	
1810	DR136	36.0916	78.8235	7.4	168	3.5	12	30	42200	46	39000	2500	24900	18.7	17800	190	6.4	1.1	M	M	M	2.0	
1811	DR137	36.0948	78.8861	7.1	175	2.4	M	10	44600	27	11700	480	26100	5.8	4300	60	M	2.6	M	2	6.3	-0.4	
2184	FR013	36.0251	78.2910	6.9	50	10.5	125	22	62900	345	-5000	500	21200	1.6	4100	20	7.8	-1.0	156	14	M	0.6	
2185	FR014	36.0434	78.3343	7.0	50	8.0	45	30	73200	122	7500	530	27600	3.1	5100	20	4.6	-1.4	79	9	3.8	-0.2	
2186	FR015	36.0520	78.3594	7.0	50	14.9	197	40	70700	710	14100	760	25100	3.2	6500	20	13.7	10.5	361	48	7.1	-0.2	
2187	FR016	36.0407	78.3903	7.1	45	6.7	62	35	69200	161	10700	300	24400	2.2	4100	20	5.4	9.8	113	11	4.0	-0.2	
2188	FR017	36.0042	78.3439	7.2	50	4.9	44	20	72900	93	-5000	510	26600	2.1	5700	20	2.9	-1.0	58	6	M	-0.2	
2190	FR019	36.0388	78.4332	7.0	60	6.5	11	51	70600	56	38500	1030	24400	8.0	9900	150	3.0	-1.0	36	6	4.2	0.6	
2191	FR020	36.2501	78.2598	7.4	55	5.9	25	18	49300	84	8200	530	17600	4.5	5200	40	3.9	-1.0	55	9	6.0	-0.2	
2192	FR021	36.0566	78.4563	7.6	50	10.0	36	67	56300	102	51100	930	18500	11.4	12800	190	7.4	2.4	69	13	3.8	M	
2193	FR022	36.0153	78.4913	7.0	80	7.7	29	46	51300	139	28000	520	19700	11.1	7200	110	6.4	0.9	70	12	3.3	0.5	
2194	FR023	36.0242	78.5199	7.3	72	3.1	10	47	24400	44	61500	1130	14300	14.8	17400	190	4.7	2.0	12	4	3.6	-0.2	

HENDERSON 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
2195	FR024	36.0520	78.5303	7.1	41	1.4	-3	5	31500	-20	33900	440	11600	9.4	4600	80	1.5	-1.0	6	1	3.0	-0.2	
2196	FR025	36.0709	78.5406	M	M	1.5	M	10	19600	-20	8800	180	9300	2.7	3400	40	2.8	-1.0	3	41	M	-0.2	
2197	FR026	36.0743	78.4809	7.0	39	4.2	-3	32	46800	-20	15700	370	19300	4.1	3200	40	M	-1.4	M	6	6.2	-0.3	
2198	FR027	36.1059	78.4715	7.2	50	7.1	14	14	102400	77	51300	800	22900	16.0	6700	160	7.0	2.2	M	62	M	M	
2199	FR028	36.1212	78.5150	7.3	72	1.5	-4	8	38200	-21	23700	520	18800	12.9	5200	70	2.4	M	M	54	M	-0.6	
2200	FR029	36.1718	78.4888	7.3	80	2.2	10	17	51300	38	44800	830	25500	12.4	9000	130	2.8	-1.2	M	39	M	-0.5	
2201	FR030	36.1481	78.4819	7.2	50	4.4	12	119	26100	-21	62700	1730	16100	15.0	21100	260	2.9	-1.0	M	M	10.4	1.4	
2202	FR031	36.0704	78.3812	6.9	75	4.7	25	26	49600	85	19500	M	M	5.9	M	10	2.6	-1.0	67	19	M	-0.5	
2203	FR032	36.0722	78.3018	7.1	52	7.1	39	10	74800	130	21300	120	M	3.8	M	M	M	-1.0	127	7	M	0.6	
2204	FR033	36.0468	78.2461	7.2	60	9.5	94	8	53900	244	21100	750	23000	8.1	3100	70	9.7	-1.0	97	42	19.2	1.9	
2205	FR034	36.0417	78.2062	7.0	43	27.8	293	8	73900	782	16000	870	33500	3.5	3700	20	51.9	0.9	530	57	20.9	3.0	
2206	FR035	36.0120	78.1946	6.7	50	7.1	21	20	66400	-20	9800	300	21000	3.2	1500	20	2.0	-1.0	M	M	M	0.9	
2208	FR037	36.0273	78.1362	7.1	50	8.9	11	14	71000	-20	17100	130	13100	3.6	1400	30	3.7	-1.0	94	M	M	-0.5	
2209	FR038	36.0704	78.0993	7.1	50	4.3	M	11	53300	M	M	340	16800	1.8	1200	10	1.8	M	M	M	M	M	
2210	FR039	36.0560	78.1261	7.0	41	8.8	17	18	73500	-20	7000	300	15300	4.2	2000	20	1.4	0.9	M	275	M	-0.3	
2211	FR040	36.0713	78.1378	7.0	50	11.9	95	18	55400	246	-5000	480	22300	5.1	2100	M	8.8	M	266	43	8.4	-0.6	
2212	FR041	36.0605	78.1804	6.8	48	14.8	151	9	68900	438	-5000	770	28700	2.6	3300	M	23.4	2.8	273	174	15.8	3.4	
2213	FR042	36.0791	78.2000	6.9	51	29.8	347	9	76900	907	-5000	400	37200	1.3	3500	M	63.6	-1.0	628	78	44.8	3.7	0.385
2214	FR043	36.0735	78.2596	7.2	71	7.7	66	12	37600	276	25500	900	15900	12.3	3600	90	11.5	2.9	194	45	M	0.8	
2215	FR044	36.1165	78.2358	7.1	78	2.7	14	8	42300	57	33900	730	18700	14.2	4000	100	3.5	-1.0	M	96	M	-0.6	0.520
2216	FR045	36.1041	78.3248	7.0	51	6.9	88	13	76500	319	12000	460	24600	2.0	4000	20	4.0	1.8	165	91	11.0	0.8	
2217	FR046	36.1153	78.2719	7.6	48	7.6	347	9	43900	907	-5000	530	17100	7.3	3200	40	8.6	-1.0	628	95	44.8	3.7	0.386
2218	FR047	36.1109	78.1338	7.8	45	6.5	37	14	45500	115	14200	490	19700	7.6	3500	50	7.7	6.4	M	57	M	1.4	
2219	FR048	36.1198	78.1356	7.4	40	25.3	14	10	54500	57	33800	360	13100	8.2	2700	30	22.0	-1.0	M	M	M	-0.6	0.520
2220	FR049	36.1215	78.0746	7.2	45	7.4	108	8	37700	259	20600	960	13000	14.7	9500	90	10.5	1.8	M	74	17.1	-0.5	
2221	FR050	36.1453	78.0999	7.1	41	10.1	401	5	63000	1049	8100	410	22900	2.8	2500	20	12.0	9.4	529	90	37.8	1.1	0.362
2222	FR051	36.1459	78.0575	7.0	41	4.2	44	23	12900	144	11900	420	9000	4.8	5800	30	7.1	-1.0	112	57	10.4	-0.5	
2223	FR052	36.1684	78.1230	7.4	50	5.5	2	14	38700	-20	-5700	490	15900	10.8	3600	40	5.4	4.8	M	M	M	-0.2	
2224	FR053	36.2081	78.1096	7.3	40	9.5	46	15	35100	125	12100	580	15000	6.6	6200	40	15.4	-1.2	M	83	16.8	2.6	
2225	FR054	36.2133	78.1342	7.1	39	6.6	126	6	37800	330	5900	510	20100	3.0	5100	40	9.8	-1.0	237	52	5.5	1.2	
2226	FR055	36.2230	78.1436	7.2	70	5.1	15	18	51000	-20	35500	1080	21000	15.3	4200	110	11.0	2.0	M	66	M	1.3	
2227	FR056	36.1757	78.1901	7.3	61	6.2	35	7	34300	105	13000	670	15500	16.9	3200	80	3.7	-1.0	M	27	6.4	0.9	
2228	FR057	36.1885	78.2022	7.1	50	2.6	12	10	30500	94	20700	440	13900	8.2	2200	30	3.6	2.2	M	76	M	-0.3	
2229	FR058	36.1527	78.2388	7.2	55	2.2	30	10	25500	133	7900	610	12400	11.9	3300	80	4.3	6.1	M	52	9.0	-0.4	

HENDERSON 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond us/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
2230	FR059	36.2110	78.2262	7.0	50	1.8	19	5	34500	-20	55700	620	11000	13.4	4000	150	4.1	-1.0	N	43	N	N	
2231	FR060	36.1973	78.2490	7.3	58	2.9	19	6	29100	64	14500	470	12100	6.2	1600	20	2.9	-1.0	93	22	N	0.6	
2232	FR061	36.2408	78.2636	7.4	49	6.7	23	26	64100	-20	22400	720	23400	7.0	2900	50	N	-1.0	91	N	N	-0.5	
2233	FR062	36.2387	78.2805	7.2	48	6.3	15	20	41400	74	25600	290	14900	5.9	1400	30	0.8	-1.6	N	N	N	-0.5	
2234	FR063	36.2123	78.2970	6.9	42	6.2	42	14	60000	129	-5000	240	17900	2.3	3300	10	3.7	-1.0	87	59	N	N	
2235	FR064	36.2035	78.3563	7.5	41	5.7	13	22	56800	29	8100	480	17800	4.2	5400	30	2.3	-1.0	N	33	N	0.8	
2236	FR065	36.1856	78.3639	7.0	49	8.4	18	25	88100	77	8800	500	29200	3.4	4500	30	3.8	2.2	N	N	N	0.7	
2237	FR066	36.1599	78.4045	6.8	50	1.8	N	10	62100	N	N	240	17900	0.9	2100	20	N	N	N	N	N	N	
2238	FR067	36.1915	78.3242	7.1	45	23.9	400	41	61500	1008	17200	920	21400	4.3	11700	50	22.8	2.6	708	225	N	-0.3	
2239	FR068	36.1819	78.3013	7.0	50	7.8	N	15	47100	N	N	510	17700	4.5	3500	20	7.9	N	N	46	N	N	
2240	FR069	36.1514	78.2935	7.0	49	6.6	52	12	79700	179	28500	1640	22800	3.6	7400	40	4.7	4.8	N	66	N	-0.5	
2241	FR070	36.1364	78.3212	7.1	48	5.4	42	11	83100	134	14700	330	25500	2.1	2800	30	3.3	4.4	N	N	N	-0.4	
2242	FR071	36.1348	78.3699	7.1	51	7.1	38	5	100500	177	18800	350	29100	4.7	2800	30	1.8	2.6	N	34	11.1	-0.5	
2243	FR072	36.1494	78.4121	7.2	55	7.6	9	92	76900	45	31400	920	25500	7.3	11200	90	8.5	-1.2	N	89	9.0	1.2	
2244	FR073	36.1101	78.3923	7.2	61	6.6	24	66	77800	-20	9800	540	18200	3.4	11000	50	9.0	-1.0	24	N	N	0.9	
2329	GN001	36.3344	78.7698	7.7	91	2.0	-4	14	42900	52	29700	1180	15300	10.1	11400	120	2.7	-1.2	N	N	N	-0.7	
2330	GN002	36.3107	78.7523	7.5	90	1.5	6	5	55200	-20	31400	1860	20400	8.6	7400	120	7.8	3.7	N	N	N	-0.2	
2331	GN003	36.3058	78.7694	N	N	2.2	5	7	50100	-20	33000	710	14600	8.4	4700	100	1.0	5.3	37	4	8.2	N	
2332	GN004	36.3066	78.7914	N	N	2.0	8	5	39800	48	8200	500	13600	2.7	5500	50	4.4	-1.4	N	38	N	0.4	
2333	GN005	36.2592	78.7943	N	N	2.2	-3	10	57800	54	17600	1090	19900	7.6	5200	80	3.4	-1.2	N	13	6.7	-0.3	
2334	GN006	36.3127	78.7222	7.7	93	2.5	-3	19	39000	-20	27900	1880	14500	8.3	21300	110	4.0	-1.6	N	77	N	-0.2	
2335	GN007	36.3152	78.6950	7.7	109	1.5	-3	9	37800	-20	16600	720	15300	10.5	7400	90	6.2	-1.2	N	N	N	N	0.166
2336	GN008	36.3427	78.6923	N	N	1.7	5	11	28500	-20	9300	560	10100	7.4	6800	60	7.4	-1.0	N	38	N	N	
2337	GN009	36.3493	78.6679	7.5	135	1.7	-3	9	50600	-20	25900	1170	18100	14.2	10000	120	1.8	-1.2	N	N	6.3	-0.4	
2338	GN010	36.3561	78.7251	7.2	101	2.3	4	13	40600	-20	21100	1140	16000	6.1	13700	80	4.4	-1.0	N	N	N	0.7	
2339	GN011	36.3561	78.7435	7.2	117	3.6	-3	29	51100	25	43100	2660	14800	14.5	20800	150	5.2	12.5	N	N	7.3	0.7	
2340	GN012	36.3920	78.7741	N	N	1.6	4	4	66800	72	48700	2300	17800	12.9	7900	220	3.7	-1.0	N	N	3.8	0.7	0.171
2341	GN013	36.4255	78.7709	7.3	100	1.5	8	10	49200	36	33400	1600	14600	12.6	5400	150	3.1	N	N	336	N	N	
2342	GN014	36.4433	78.7465	7.1	119	2.2	8	6	60900	-20	45200	1350	19700	13.8	10500	110	3.5	-1.0	21	N	2.4	-0.2	
2343	GN015	36.4266	78.7400	N	N	1.6	8	4	63900	-29	65900	1560	18600	13.0	6900	220	N	-1.2	N	12	N	-0.2	
2344	GN016	36.4761	78.7565	7.3	99	2.2	5	6	68600	-20	39200	550	17200	7.8	7600	100	5.1	-1.0	N	N	N	N	
2345	GN017	36.4754	78.7903	7.1	89	1.4	7	9	48800	36	37600	560	15100	14.5	4400	140	1.8	-1.2	N	N	N	0.8	
2353	GN025	36.2687	78.6674	7.3	181	2.7	-3	20	42600	-20	31800	1590	17900	5.9	10700	110	3.6	1.7	N	40	3.3	0.8	
2354	GN026	36.2752	78.6935	7.4	97	1.9	4	9	53100	-20	24000	1100	18300	9.3	8600	100	7.8	-1.7	N	63	N	-0.3	

HENDERSON 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
2355	GN027	36.2723	78.6975	7.3	120	2.1	-4	24	71400	81	84400	4290	25400	17.1	33000	350	4.3	7.0	M	147	M	M	
2356	GN028	36.2587	78.6870	7.1	100	1.6	5	10	39300	40	18400	670	14700	7.6	5300	60	M	-1.4	M	M	3.0	-0.4	
2357	GN029	36.2389	78.6973	7.1	151	2.0	11	27	52300	24	27100	1280	21900	12.2	11200	110	3.0	-1.2	M	M	M	-0.2	
2358	GN030	36.2577	78.7295	7.2	85	2.1	6	20	45200	47	29300	1280	22500	7.1	12600	110	1.7	2.9	M	M	M	0.5	
2359	GN031	36.2647	78.7248	M	M	1.6	7	28	40700	21	18700	1190	18400	6.1	7800	60	M	-1.2	M	M	3.4	M	
2360	GN032	36.2998	78.7008	7.1	98	2.1	-1	16	42000	-20	18200	1160	19300	5.8	11700	70	M	-1.4	M	M	7.5	M	
2361	GN033	36.1919	78.5134	7.9	78	11.0	116	131	69700	672	100600	5860	25000	19.2	59400	330	50.2	5.9	349	72	15.0	3.3	
2362	GN034	36.1823	78.5583	7.7	55	4.1	25	14	34100	128	25900	1170	11900	9.1	15200	100	11.3	2.8	59	34	3.6	0.7	
2363	GN035	36.1460	78.5437	7.8	57	5.8	60	34	34600	431	85800	2000	10600	14.7	25800	290	18.1	1.7	248	44	10.5	2.7	
2364	GN036	36.0936	78.5603	7.5	58	2.1	5	35	46700	60	22400	880	19100	12.8	12400	120	7.6	-1.2	M	31	M	-0.3	
2365	GN037	36.1048	78.6068	7.3	51	54.6	2252	24	68400	7822	9900	710	15800	2.6	5800	40	97.4	32.2	M	1610	M	1.8	
2366	GN038	36.0888	78.6022	7.3	48	5.1	87	24	44500	172	128500	1910	11300	20.8	40400	510	15.5	1.8	106	17	M	0.8	
2367	GN039	36.0564	78.5781	7.2	60	2.7	5	27	49300	78	70200	1300	17000	20.4	25100	260	12.6	2.0	M	5	M	1.2	
2368	GN040	36.0525	78.5768	7.2	68	1.9	-2	11	30800	-20	28700	850	10900	7.7	13000	100	4.4	-1.0	M	M	M	-0.3	
2369	GN041	36.0463	78.5686	7.4	48	2.3	M	14	27500	-35	109800	1220	11500	15.7	18100	260	8.5	-1.2	M	79	M	1.0	0.214
2370	GN042	36.0914	78.6403	5.9	92	5.0	29	2	107200	88	21800	790	14800	4.9	7000	70	6.4	0.9	M	18	6.3	-0.4	
2371	GN043	36.1172	78.6195	6.4	85	10.1	186	18	71400	685	11400	630	21100	4.0	8400	20	17.6	5.5	357	70	8.9	1.4	
2372	GN044	36.1212	78.6627	6.7	130	5.9	77	8	60700	232	8100	540	21100	2.9	3000	30	8.9	2.2	144	28	5.8	-0.2	
2373	GN045	36.1338	78.6520	M	M	3.4	M	2	64800	M	M	590	27900	M	3600	60	13.4	M	M	M	M	M	
2374	GN046	36.1411	78.6623	M	M	6.0	62	11	61800	168	6900	430	21000	2.7	4300	20	9.1	-1.4	155	16	3.2	-0.2	
2375	GN047	36.0820	78.6685	M	M	4.6	M	5	63700	M	M	550	27100	M	3400	30	5.1	M	M	M	M	M	
2376	GN048	36.0926	78.7255	M	M	4.3	21	5	91700	115	45600	1450	20700	7.2	7100	200	3.1	-1.4	M	6	M	0.6	
2377	GN049	36.1514	78.7698	7.4	143	3.9	50	6	62900	282	47400	1700	24600	18.4	25600	390	11.5	3.5	57	14	6.1	0.7	
2378	GN050	36.1437	78.7908	7.3	65	1.5	5	4	36000	28	20500	920	15500	6.3	4000	70	M	3.1	32	M	6.7	-0.2	
2379	GN051	36.2010	78.7538	M	M	2.0	-2	14	53700	43	27200	620	21900	8.1	8400	80	6.8	4.6	M	M	M	-0.4	
2380	GN052	36.1771	78.7159	M	M	2.4	5	10	52100	28	19600	780	21900	7.8	4600	60	M	-1.0	26	M	M	0.4	
2381	GN053	36.1716	78.6926	M	M	3.6	15	14	72300	85	37400	1120	24800	6.4	5500	130	4.9	3.5	38	9	M	0.7	
2382	GN054	36.1730	78.6824	M	M	7.1	56	17	44800	233	-5000	360	11700	2.7	2900	20	8.2	-1.4	143	20	M	0.6	
2383	GN055	36.1964	78.6314	M	M	9.6	90	11	100200	452	31800	1120	27500	6.3	8300	100	9.0	-1.2	252	45	M	0.9	
2384	GN056	36.1815	78.5922	M	M	6.9	54	15	65300	270	14700	770	19700	3.2	9500	50	12.6	-1.0	129	94	M	-0.4	
2385	GN057	36.2768	78.6077	6.9	90	1.5	5	14	42500	-21	30900	1130	22600	10.3	11700	130	3.4	M	M	5	M	0.5	
2386	GN058	36.2376	78.6496	6.9	101	0.8	-3	6	29500	-20	20200	780	13600	6.0	7900	90	2.1	-1.0	M	42	M	-0.4	
2387	GN059	36.2344	78.6209	6.9	100	1.6	18	31	52500	165	39900	2470	22600	12.7	20800	150	2.8	-1.4	57	5	M	-0.4	
2388	GN060	36.2237	78.5737	7.0	138	4.8	19	78	49600	65	50200	3180	25500	7.4	36000	160	3.5	-1.0	50	5	5.9	-0.4	

HENDERSON 100K QUADRANGLE - STREAM SEDIMENT

Lab #	County ID	Lat	Long	pH	Cond us/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
2389	GN061	36.2668	78.5861	7.1	187	1.8	8	14	69500	54	31900	1260	30300	9.3	12600	150	M	M	M	M	M	0.5	
2390	GN062	36.2681	78.5659	7.2	108	3.9	7	60	55000	73	38100	4220	25000	10.3	52100	180	7.1	-1.0	30	M	4.6	0.8	
2391	GN063	36.3146	78.5323	7.2	71	8.9	27	194	61800	74	82200	6270	23700	15.5	68300	190	9.6	3.7	68	M	17.2	3.1	
2392	GN064	36.3143	78.5619	7.2	112	3.6	-2	61	48900	65	41500	3620	22900	7.4	43900	180	4.4	-1.0	M	M	11.2	-0.4	
2393	GN065	36.3343	78.5937	7.2	81	2.1	-4	26	57700	48	61400	4230	26100	13.3	36500	160	1.2	-1.4	M	6	7.1	0.8	
2394	GN066	36.3547	78.5675	7.3	92	3.4	9	69	27900	-20	71500	7740	19000	13.0	M	270	5.8	1.8	M	M	5.2	1.4	
2395	GN067	36.3793	78.5180	7.4	98	4.1	7	59	54900	46	35000	2060	21500	8.2	16500	110	8.2	3.9	47	M	10.3	1.7	
2396	GN068	36.4036	78.5488	7.4	52	2.0	6	10	43400	30	15100	490	17400	8.6	6200	80	1.9	-1.4	M	M	M	-0.2	
2397	GN069	36.4281	78.5145	7.2	125	1.8	-3	10	51300	34	30200	1040	21000	13.0	6800	100	6.3	-1.9	43	38	M	-0.3	
2398	GN070	36.4343	78.5427	7.3	65	1.5	-2	10	46600	-20	22600	1560	20700	11.8	13300	100	M	5.0	16	6	8.5	-0.2	
2399	GN071	36.4838	78.5111	7.3	75	1.3	9	5	72900	-20	79800	1220	17700	23.1	13100	230	1.8	4.0	M	60	M	-0.7	
2403	GN075	36.4825	78.5692	7.1	85	1.1	-4	10	57700	54	38300	4040	16700	14.6	25800	190	4.0	5.0	M	M	M	-0.4	
2406	GN078	36.4789	78.7015	7.0	80	1.5	-3	5	61800	-20	38500	1880	15600	12.1	10600	140	3.1	4.8	M	196	6.9	-0.4	
2407	GN079	36.4832	78.7099	7.0	82	1.1	-6	5	66500	43	65400	1580	16900	31.7	4900	260	M	-1.7	69	M	M	-0.3	
2408	GN080	36.3984	78.6810	M	M	2.0	7	7	49000	39	18700	660	19500	9.6	6800	80	2.1	-1.0	M	210	M	-0.3	
2409	GN081	36.4113	78.6906	7.0	100	2.0	-2	10	47400	43	26800	1320	16900	13.7	10800	100	1.0	-1.2	M	5	9.4	1.1	
2410	GN082	36.4250	78.7124	M	M	1.3	-2	2	48800	74	20900	990	19800	8.2	9500	100	3.3	-1.2	M	M	M	M	
2411	GN083	36.4412	78.7233	7.2	80	1.5	9	5	69700	-25	53600	1090	17600	20.4	9000	200	9.4	-1.2	M	50	M	0.7	
2412	GN084	36.4518	78.7246	7.3	70	1.5	-3	3	73000	62	63200	1970	14700	11.4	10800	220	3.4	-1.0	33	M	M	-0.2	
2413	GN085	36.4527	78.6935	7.3	96	1.4	-6	5	79300	-27	78800	1380	20500	10.9	10800	230	4.7	-1.2	78	16	M	-0.7	
2414	GN086	36.4447	78.6539	7.2	60	2.0	-3	11	39200	-20	23300	1510	14800	11.3	14400	100	3.9	-1.0	M	M	5.3	-0.2	
2415	GN087	36.4630	78.6432	7.4	71	2.1	7	14	43800	54	31400	2030	17300	15.2	18700	120	4.0	-1.2	92	4	M	-0.4	
2416	GN088	36.4875	78.6169	7.3	79	1.5	-2	5	41800	-20	29500	1010	15700	11.5	8100	100	1.3	3.3	43	8	M	-0.3	
2417	GN089	36.4467	78.5908	7.0	75	1.5	6	14	33600	30	37600	2150	14900	16.1	23400	140	M	-1.6	19	M	M	-0.3	
2418	GN090	36.4449	78.6106	7.3	62	1.6	-3	6	43500	-20	32200	1620	18000	13.4	11100	90	2.0	-1.0	M	2	M	0.7	
2419	GN091	36.4129	78.6051	6.9	65	2.7	-3	3	74400	-20	33300	1820	13100	8.1	7400	110	3.7	6.1	25	M	7.5	-0.2	
2420	GN092	36.4263	78.6614	7.1	37	1.5	3	5	31100	28	27500	850	M	16.0	10100	80	M	-1.0	M	M	M	0.3	
2421	GN093	36.4333	78.6294	6.9	65	2.0	-3	11	32100	-20	38100	1370	M	10.5	12900	70	3.0	-1.0	17	3	M	-0.2	0.268
2422	GN094	36.3900	78.6376	7.0	80	1.6	-2	8	36700	28	33700	1820	17500	12.4	17500	110	1.3	-1.0	M	1	6.8	0.5	
2645	HA033	36.2024	78.0078	7.6	60	4.0	22	30	11300	78	17900	600	600	4.1	6700	30	2.8	-1.0	32	5	4.4	0.7	
4242	NA032	36.0284	78.1062	7.2	61	10.2	17	32	39600	-20	6400	140	4000	4.1	1400	10	M	-1.0	8	1	M	0.5	
4243	NA033	36.0538	78.0978	7.3	70	7.0	M	17	47100	M	M	220	6700	2.1	1100	10	M	M	M	M	M	M	
4244	NA034	36.0515	78.1052	7.4	63	10.5	68	20	71000	167	7400	470	22200	3.8	2600	20	9.2	-1.0	91	11	6.1	0.8	
4245	NA035	36.0751	78.0864	7.1	65	7.2	22	23	57100	53	-5000	270	12100	3.9	1200	10	M	-1.0	16	3	M	0.5	

HENDERSON 100K QUADRANGLE - STREAM SEDIMENT

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4246	NA036	36.0758	78.0733	7.1	61	9.1	22	32	69600	30	5400	290	11200	3.9	2400	30	M	2.9	16	2	4.4	0.4	
4247	NA037	36.1165	78.0488	7.4	62	8.6	129	8	30000	286	23000	1180	8200	9.1	12500	80	19.6	1.7	169	21	13.2	1.1	
4248	NA038	36.1047	78.0497	7.4	90	2.4	14	20	36700	49	55300	2510	16600	8.5	39100	90	1.5	-1.0	22	3	3.9	0.4	
4249	NA039	36.1256	78.0251	7.2	65	9.3	64	165	29200	217	20400	1260	8900	8.4	18200	70	11.1	2.6	109	16	9.7	0.8	
4250	NA040	36.1042	78.0046	7.2	75	8.6	24	176	47300	99	26700	1580	16200	13.8	16800	90	8.3	-1.0	39	5	9.1	1.4	
4251	NA041	36.0710	78.0171	7.3	65	5.3	7	133	39100	25	23000	720	7200	18.1	13500	100	1.8	-1.0	19	3	4.7	1.2	
4252	NA042	36.0404	78.0556	7.3	59	49.5	61	2258	26500	108	77000	3660	3500	30.6	M	290	20.8	-1.0	82	5	43.8	7.9	
4253	NA043	36.0411	78.0592	7.2	65	10.5	23	56	65900	-20	12000	440	14700	7.8	2500	10	2.3	-1.0	19	3	5.8	0.8	
4254	NA044	36.0301	78.0772	7.3	62	17.1	115	62	63300	310	5600	490	16600	12.2	2500	40	8.8	-1.0	172	18	5.9	1.7	
4265	NA055	36.0117	78.0359	6.6	145	4.0	9	109	65000	-20	35800	850	11100	34.9	12200	240	5.1	-1.0	12	2	4.3	1.2	
4266	NA056	36.0087	78.0071	6.9	130	3.7	M	73	40900	-20	9600	360	3500	9.8	13900	90	2.8	-1.0	18	2	3.5	0.6	
4267	NA057	36.0411	78.0124	M	M	10.0	14	235	25700	26	28400	950	4300	8.6	29300	90	2.9	-1.0	12	2	6.3	1.2	
4273	NA063	36.1659	78.0078	7.2	48	2.2	4	24	12700	37	22600	780	1100	5.7	7100	40	M	2.4	6	1	1.7	0.5	
4472	OR024	36.1130	78.9893	7.2	130	1.5	5	3	47800	-20	21500	690	8200	14.4	5900	130	1.3	-1.0	M	M	6.8	-0.3	
4473	OR025	36.0728	78.9762	M	M	1.6	M	5	51600	M	M	1140	10500	11.8	4700	90	2.3	M	M	M	M	M	
4474	OR026	36.1357	78.9775	7.8	120	2.7	-3	9	65700	53	36700	840	15200	12.3	4900	130	M	-1.0	M	M	M	0.6	
4475	OR027	36.1535	78.9736	M	M	2.9	-4	12	56800	41	41700	1390	13400	12.0	7100	140	M	2.6	22	M	M	-0.3	
4476	OR028	36.1882	78.9665	M	M	2.0	4	7	61500	-20	37800	2690	8200	20.9	7500	170	6.2	2.0	25	M	M	0.6	
4477	OR029	36.2083	78.9554	M	M	1.9	10	6	50600	24	8500	1080	8400	14.9	5300	120	M	-1.0	36	M	9.0	M	
4478	OR030	36.2361	78.9604	M	M	2.7	-3	8	50900	-20	38900	430	3600	9.3	4000	60	2.2	-1.0	M	M	4.3	-0.3	
4479	OR031	36.2335	78.9910	M	M	2.0	-1	8	57300	49	42200	1240	8000	19.1	6700	110	4.0	-1.0	62	11	7.3	-0.3	
4482	OR034	36.1875	78.9942	7.7	90	1.0	-3	4	27800	-20	23700	1220	6900	10.5	7900	110	M	-1.0	M	M	M	0.6	
4675	PN014	36.4070	78.9931	7.3	89	2.2	M	19	13700	M	M	70	2800	1.0	800	10	1.5	M	M	3	M	M	
4681	PN020	36.4840	78.9999	7.6	80	1.9	6	11	31600	-20	27000	970	8300	7.8	5100	60	M	M	11	2	M	M	
4682	PN021	36.4812	78.9792	7.4	1650	2.1	3	15	20000	-20	10400	250	3100	3.8	3600	20	3.6	-1.0	4	1	3.5	0.4	
4685	PN024	36.4915	78.9446	7.2	134	1.4	-3	2	67500	-20	59400	1510	16800	11.7	11700	190	M	-1.0	42	M	3.8	M	
4686	PN025	36.4721	78.9369	7.4	125	1.7	8	3	72000	-27	45600	1430	16800	15.7	6600	190	4.6	12.7	M	8	7.9	0.7	
4687	PN026	36.4668	78.9547	M	M	1.2	-3	3	52800	-20	30700	2370	14700	10.2	10400	180	4.0	-1.0	M	M	M	-0.2	
4688	PN027	36.4424	78.9785	7.6	178	2.8	-2	23	29600	-20	14400	400	6800	3.2	2800	30	5.5	M	M	26	2.9	0.8	
4689	PN028	36.4059	78.9612	M	M	2.9	5	39	12600	-20	-5000	80	3700	0.9	800	10	4.1	-1.4	M	M	3.6	0.9	
4690	PN029	36.4291	78.9113	7.0	60	3.2	4	34	30300	-20	12700	730	8800	2.7	3200	20	6.6	-1.2	M	M	5.8	1.0	
4691	PN030	36.4401	78.9081	6.9	60	2.6	11	20	37100	38	13700	740	10700	4.9	1900	40	2.7	-1.7	16	50	M	0.6	
4692	PN031	36.4564	78.8764	7.1	89	2.2	11	5	67100	72	26700	1000	9900	8.5	5700	100	12.2	3.3	40	31	10.2	0.9	
4693	PN032	36.4734	78.8591	M	M	2.0	9	15	58400	52	35300	790	15700	10.3	9900	150	8.1	3.7	M	M	4.4	-0.2	

HENDERSON 100K QUADRANGLE - STREAM SEDIMENT

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4694	PN033	36.4952	78.8812	7.1	91	1.8	-4	10	48900	-20	42100	880	12200	10.3	8000	140	6.8	9.4	20	M	M	0.6	
4698	PN037	36.4863	78.8072	7.7	97	1.6	6	2	83600	68	51700	2510	11000	16.8	7100	190	16.0	-1.2	M	7	M	0.5	
4699	PN038	36.4091	78.8848	7.8	90	2.0	6	12	43800	48	18600	930	11000	6.6	4000	60	3.9	-1.4	M	M	3.4	M	
4700	PN039	36.4134	78.8767	7.9	91	1.3	8	5	58600	41	30900	810	14500	8.8	3100	110	8.8	-1.2	27	16	12.9	1.1	
4701	PN040	36.3883	78.8447	M	M	1.1	-3	13	25800	-20	10200	370	6300	7.6	4100	70	M	-1.4	M	M	5.5	-0.2	
4702	PN041	36.3581	78.8751	M	M	1.6	7	11	34800	55	26600	310	4300	5.6	4100	70	3.9	-1.2	M	M	M	0.5	
4703	PN042	36.3580	78.8982	7.8	74	1.9	-3	13	34600	-20	9900	510	7900	3.8	3700	50	3.7	-1.0	M	M	5.1	0.8	
4704	PN043	36.3712	78.9418	M	M	2.5	7	12	36000	-21	18000	340	5000	5.7	2900	50	5.0	-1.2	M	29	4.2	0.9	
4705	PN044	36.3315	78.9333	M	M	1.9	-3	8	54100	66	30800	650	8600	9.6	6300	90	8.1	0.9	30	93	4.2	0.6	
4706	PN045	36.3356	78.9578	M	M	2.1	6	8	36900	-20	20800	440	12700	8.4	3100	50	2.1	-1.0	10	M	7.6	0.4	0.127
4717	PN056	36.2699	78.9926	7.3	109	1.3	5	42	31200	31	8900	510	21800	6.7	3800	40	M	-1.0	21	2	M	-0.2	
4718	PN057	36.2571	78.9634	7.4	85	1.5	7	13	46600	34	32000	2180	17800	9.7	11000	100	3.8	3.5	23	M	M	-0.3	
4719	PN058	36.2433	78.9347	M	M	0.5	M	3	18500	-20	5700	110	12900	1.9	1000	20	M	-1.2	M	M	M	-0.3	
4720	PN059	36.2910	78.9437	7.4	98	1.8	-3	15	34800	37	21900	860	13500	10.6	4600	60	2.7	-1.2	M	M	9.6	-0.2	
4721	PN060	36.2942	78.9281	M	M	1.2	7	10	26100	-20	14800	250	12300	6.3	2200	40	M	-1.0	M	M	M	-0.2	
4722	PN061	36.2862	78.9187	7.3	61	1.7	-2	11	39000	34	27700	390	16400	10.7	3800	80	1.4	-1.0	M	16	M	-0.2	
4723	PN062	36.2718	78.8811	7.2	80	1.8	-2	5	43000	-20	26900	1000	15800	6.2	4600	70	1.7	-1.0	M	26	M	-0.3	
4724	PN063	36.2688	78.8881	7.2	120	2.6	-3	5	67000	35	60000	950	23700	18.8	6700	160	1.2	M	40	6	M	0.6	
4725	PN064	36.2369	78.8742	7.7	53	2.2	6	8	27600	-20	15600	780	14200	4.2	7000	40	1.3	3.1	M	M	3.0	0.6	
4726	PN065	36.2413	78.8886	7.3	84	2.5	-2	12	41400	-20	22900	490	15400	9.2	5100	60	3.9	-1.0	M	M	6.1	-0.2	
4727	PN066	36.3031	78.8829	7.2	101	2.0	4	13	42600	38	32500	860	13700	10.6	3500	80	3.1	1.5	M	M	M	-0.3	
4728	PN067	36.3317	78.8888	7.0	121	1.7	3	13	28900	24	23100	270	12200	5.1	2100	50	1.1	-1.0	M	M	6.5	-0.2	
4729	PN068	36.3035	78.8571	M	M	2.8	8	8	62800	-20	15800	610	12700	7.5	5800	80	2.8	3.5	M	M	3.1	M	0.113
4730	PN069	36.2771	78.8227	7.1	61	2.0	-2	5	43400	-35	26900	670	19500	6.7	6300	70	M	2.8	M	M	M	0.4	
4731	PN070	36.3002	78.8034	6.9	85	1.8	10	5	38600	25	14100	720	21000	5.4	6900	40	3.9	-1.0	M	M	M	-0.3	
4732	PN071	36.3090	78.8195	M	M	2.5	10	5	66000	43	42200	860	25000	12.5	7200	150	M	-1.4	M	36	M	-0.3	
4733	PN072	36.3194	78.8040	7.0	101	2.0	-3	8	54200	60	27900	890	19600	17.1	6700	120	2.6	-1.0	M	M	8.8	-0.3	
6010	VA001	36.4030	78.3590	7.1	55	5.6	31	20	54400	53	14600	660	16800	2.4	7400	40	4.0	1.8	51	M	M	0.8	
6011	VA002	36.3857	78.3190	7.4	42	5.0	21	8	49000	74	6000	250	14700	1.2	3100	10	2.8	4.6	47	7	M	0.5	
6012	VA003	36.3661	78.3031	7.1	50	7.6	33	26	50100	108	17100	540	13600	6.7	7000	60	8.9	-1.0	56	12	6.5	-0.3	
6013	VA004	36.3848	78.3928	7.4	52	2.9	27	5	48100	53	5100	270	17400	1.1	2500	10	M	-1.0	32	4	M	-0.2	0.119
6014	VA005	36.3686	78.4082	7.2	1000	3.5	35	14	41500	96	26600	480	18000	9.7	5700	80	2.0	2.2	69	8	M	-0.3	
6015	VA006	36.3372	78.3225	7.6	50	5.6	27	10	62900	96	-5000	280	17600	1.3	3100	30	2.4	2.8	58	5	M	0.3	
6016	VA007	36.3226	78.2834	7.4	41	5.7	68	53	31500	241	28400	1260	11500	7.8	22300	90	4.6	0.9	102	19	9.4	1.2	

HENDERSON 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
6017	VA008	36.2977	78.2914	7.4	43	9.8	55	20	45800	203	25700	640	11800	11.2	7100	70	15.3	5.9	138	23	15.4	1.7	
6018	VA009	36.3154	78.3190	7.2	45	4.8	21	11	63500	57	12800	500	16300	3.3	6300	40	8.0	-1.0	42	68	4.8	-0.3	
6019	VA010	36.2837	78.3434	7.4	40	7.7	29	32	71600	106	11500	850	15600	2.8	8100	30	M	-1.0	38	8	M	0.4	
6020	VA011	36.2855	78.3779	7.5	82	7.0	30	45	51200	115	13500	420	16700	3.0	4900	30	2.7	-1.0	64	19	9.6	-0.2	
6021	VA012	36.4432	78.4045	7.0	58	2.2	11	51	40400	28	22800	1370	21200	13.5	14300	80	3.5	-1.2	M	M	4.8	1.2	
6022	VA013	36.4832	78.4436	7.2	50	4.4	-3	107	62800	-20	32700	1590	29800	9.8	11900	100	8.2	2.9	29	M	13.5	1.7	
6025	VA016	36.4947	78.4871	7.3	79	1.5	-3	28	37000	16	35500	700	19000	10.6	4700	80	1.9	-1.0	12	1	M	M	
6026	VA017	36.4550	78.5083	7.1	75	1.6	4	8	39800	34	18900	480	19800	7.4	3700	70	2.3	-1.0	M	2	M	M	
6027	VA018	36.4574	78.4692	7.4	69	9.7	23	521	45400	34	33100	2580	22200	15.2	19800	120	8.4	-1.0	14	M	23.7	3.6	
6028	VA019	36.4251	78.4591	6.9	65	2.4	8	83	22200	-20	14100	1110	10300	5.7	7900	50	2.9	-1.0	12	M	4.2	-0.3	
6029	VA020	36.3798	78.5030	7.2	72	1.9	-2	10	52500	19	31100	980	26900	11.1	6500	80	2.3	-1.0	M	2	3.2	M	
6030	VA021	36.3897	78.4871	7.3	75	2.0	-3	9	47000	-20	28000	770	30100	8.6	5500	70	1.8	-1.0	M	4	3.4	-0.3	
6031	VA022	36.3814	78.4460	7.7	78	2.0	7	25	47900	-20	12700	360	28300	8.0	1800	60	M	-1.0	M	1	M	-0.2	
6032	VA023	36.3567	78.4266	7.3	225	2.1	7	32	57400	59	54300	2480	30700	13.1	23100	180	6.6	1.3	M	M	3.8	M	
6033	VA024	36.3249	78.4712	7.7	79	2.5	8	20	56700	17	18600	460	33200	6.6	3100	60	3.1	1.8	M	27	M	0.5	
6034	VA025	36.3214	78.4577	7.3	65	1.0	12	5	34900	-20	17100	250	23700	3.3	1300	30	M	2.6	M	3	M	0.7	
6035	VA026	36.3113	78.5034	7.2	75	4.7	6	115	38200	36	27700	2400	25800	7.0	21700	80	5.8	1.3	M	2	7.5	1.2	
6036	VA027	36.2742	78.4871	7.4	92	2.6	-3	60	42500	-20	22700	700	28200	6.2	8800	80	1.4	-1.0	12	3	5.7	-0.3	
6037	VA028	36.3036	78.4512	7.5	100	1.0	-2	11	44200	32	21800	660	25600	11.0	6900	80	1.4	4.4	M	M	M	0.5	
6038	VA029	36.2849	78.4351	7.5	50	3.3	9	5	71800	56	50800	630	22200	10.2	5600	110	2.6	-1.0	44	M	M	0.4	
6039	VA030	36.2734	78.4487	7.5	65	2.4	4	4	92300	46	46100	740	18700	12.7	6900	160	5.5	-1.0	18	18	M	-0.2	
6040	VA031	36.2501	78.4828	7.3	52	1.8	7	18	50100	-20	20000	560	27100	10.3	4700	80	M	-1.2	M	M	M	-0.3	0.141
6041	VA032	36.2167	78.4781	7.7	90	3.4	13	62	44800	47	25900	1650	25100	13.5	16000	110	4.7	-1.0	M	4	M	0.8	
6042	VA033	36.2236	78.4499	7.7	55	4.3	34	11	47000	105	42300	690	17800	5.9	7400	160	2.3	-1.2	54	7	M	-0.3	
6043	VA034	36.2452	78.3593	7.9	36	4.7	15	24	55700	22	12300	690	18200	3.1	8900	40	2.1	-1.0	M	37	2.8	-0.3	0.167
6044	VA035	36.2258	78.3903	7.4	42	4.8	14	31	62100	-20	14600	560	17000	2.1	6600	40	M	3.5	19	M	M	0.4	
6045	VA036	36.1942	78.4048	7.7	42	4.5	11	45	38700	27	9400	490	14500	2.0	6000	30	M	-1.0	22	3	M	-0.2	
6046	VA037	36.1749	78.4206	7.3	39	3.9	14	19	86200	110	22100	520	30800	3.2	4800	50	M	-1.0	63	7	5.5	M	
6047	VA038	36.1796	78.4540	7.5	79	5.6	29	48	60000	127	86400	2440	23800	12.1	18600	280	13.8	3.7	75	10	5.5	0.7	
6048	VA039	36.2206	78.4223	6.9	65	4.7	17	32	62600	46	12200	290	15600	5.3	3400	40	1.9	-1.0	M	41	3.2	-0.2	
6049	VA040	36.2217	78.4121	7.0	52	3.6	18	26	48400	48	13700	310	16600	1.6	3900	20	M	-1.0	42	4	M	-0.2	
6050	VA041	36.2474	78.4467	7.1	50	11.5	33	10	18300	91	49400	M	M	8.1	M	M	M	-1.0	53	3	M	M	
6051	VA042	36.2631	78.3908	7.3	40	6.3	9	43	42500	38	18500	360	M	3.6	4200	M	M	-1.0	43	2	2.2	0.4	
6168	WA117	36.0274	78.5989	8.5	61	1.8	5	10	36100	-20	45000	810	10200	13.0	10600	120	4.6	-1.0	22	4	2.4	-0.2	

HENDERSON 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
6169	WA118	36.0258	78.6138	8.1	68	1.9	-2	12	27800	-20	69400	820	7700	11.3	15100	190	4.5	2.0	14	3	5.0	0.8	
6170	WA119	36.0121	78.6230	7.7	85	2.3	15	8	63200	77	83700	740	19000	14.5	12800	200	9.8	1.8	29	6	4.6	0.7	
6171	WA120	36.0148	78.6271	7.7	69	1.9	6	11	32500	11	69300	900	9000	15.3	14700	210	4.2	-1.0	12	3	3.9	0.4	
6172	WA121	36.0426	78.6685	7.6	99	4.3	21	104	69700	138	86800	1750	16000	29.0	23100	280	9.3	-1.0	53	10	9.8	2.0	0.044
6173	WA122	36.0491	78.6680	7.6	76	1.8	15	38	39900	73	15000	880	20900	14.3	9000	60	2.8	-1.2	45	6	3.5	0.5	
6174	WA123	36.0566	78.6747	7.7	81	2.6	30	11	53100	105	41400	1720	13500	10.0	6900	120	5.1	10.1	72	10	3.0	0.4	
6175	WA124	36.0567	78.7177	7.2	130	11.4	199	15	55200	666	14700	310	20100	3.1	3200	20	14.6	3.1	404	42	10.2	0.8	
6177	WA126	36.0030	78.6628	7.5	190	1.7	19	19	43500	75	14700	770	17800	12.6	5700	80	1.4	M	31	3	3.6	-0.2	
6399	WR008	36.2583	78.0034	8.0	40	1.6	-4	6	58600	26	46200	870	7700	22.6	11100	160	2.4	1.8	43	3	3.2	-0.3	
6400	WR009	36.2297	78.0140	7.6	40	1.7	-2	18	11600	-20	21700	490	5800	3.9	5800	50	1.0	-1.0	36	M	M	-0.3	
6401	WR010	36.2304	78.0638	8.1	40	1.9	-2	6	26200	29	15200	370	10100	3.0	3600	40	2.7	-1.0	10	3	2.8	0.3	
6402	WR011	36.2170	78.0332	M	M	3.7	9	25	34000	-20	38900	510	6800	8.9	8000	90	1.9	0.9	M	M	M	0.9	
6403	WR012	36.2093	78.1042	7.9	52	3.8	7	8	38700	47	23400	480	12800	8.2	4200	50	7.4	3.7	32	4	5.9	1.0	
6404	WR013	36.2865	78.0378	7.4	51	4.2	10	5	32800	-20	26700	700	10900	7.3	3700	40	4.9	-1.0	17	M	8.2	0.5	
6405	WR014	36.2900	78.0124	7.7	78	1.3	4	7	34900	18	19800	810	13100	10.4	5100	90	4.1	-1.0	M	2	M	0.3	
6409	WR018	36.3507	78.0187	7.8	45	5.3	28	16	31000	120	16000	450	10600	8.0	4400	50	16.9	M	89	13	8.3	1.3	
6410	WR019	36.3659	78.0185	7.5	41	36.2	211	55	17700	883	9600	720	8900	5.7	8500	40	54.3	1.7	397	93	21.6	2.8	
6414	WR023	36.4189	78.0172	7.5	29	5.9	22	11	75200	74	35500	280	3700	13.8	4700	130	M	3.1	38	6	M	-0.2	
6415	WR024	36.4021	78.0298	7.5	43	10.0	64	56	29600	279	22700	800	3700	10.8	8800	50	16.4	M	138	27	6.1	0.6	
6416	WR025	36.4240	78.0457	7.4	40	11.8	47	55	30200	172	10400	910	3500	6.9	10400	30	13.6	-1.0	99	16	6.7	0.9	
6417	WR026	36.4250	78.0621	7.3	30	4.3	10	8	25500	35	18100	330	2100	4.9	4500	60	4.4	-1.0	28	4	3.4	0.3	0.058
6418	WR027	36.4105	78.0763	6.9	30	17.5	114	114	22300	410	13100	1090	2100	12.4	14500	50	14.7	M	220	34	10.4	1.4	
6419	WR028	36.4073	78.1130	7.5	32	40.6	221	134	39600	913	14500	1420	4000	7.7	16200	40	34.0	5.2	452	84	11.2	0.8	
6420	WR029	36.3963	78.1470	6.9	60	4.7	35	30	33000	142	18100	740	5300	7.6	10200	60	3.2	-1.7	81	13	6.7	0.4	
6421	WR030	36.3902	78.1350	7.2	45	6.2	45	80	37600	220	24200	910	3200	18.3	9400	100	10.8	-1.0	92	16	8.2	0.6	
6422	WR031	36.3388	78.1130	7.1	40	22.4	180	24	17200	811	16000	480	4000	4.4	4900	40	84.0	5.3	453	77	37.9	4.8	
6423	WR032	36.3508	78.1359	7.2	50	3.1	M	16	38700	M	M	810	4700	11.8	5400	60	3.7	M	M	M	M	M	
6424	WR033	36.3452	78.1470	7.2	51	5.8	-3	65	57800	48	59500	1000	15500	25.2	7900	170	11.0	-1.0	31	6	3.8	1.3	
6425	WR034	36.3961	78.1661	7.3	58	5.7	27	11	38600	109	-5000	480	9800	5.4	3400	30	7.3	1.8	51	8	3.9	-0.2	
6426	WR035	36.3864	78.2134	7.1	49	4.3	6	19	38500	85	23300	580	5700	11.4	3300	50	2.0	-1.0	12	4	M	0.4	
6427	WR036	36.3934	78.2008	7.1	42	7.2	25	24	56800	82	30000	1080	10800	9.2	6300	70	3.6	-1.0	52	8	3.6	0.6	
6428	WR037	36.3747	78.1679	7.1	50	4.7	16	12	46600	53	15600	640	8600	8.9	2800	50	2.1	-1.0	23	4	4.0	M	0.078
6429	WR038	36.3543	78.1903	7.3	50	2.9	M	7	21500	-20	7300	360	5800	6.9	1900	30	1.5	-1.0	M	M	1.7	-0.2	
6430	WR039	36.3368	78.1756	7.3	51	3.3	-3	34	39400	-20	19300	490	14300	11.0	2800	50	2.1	-1.0	14	3	5.0	0.7	

HENDERSON 100X 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
6431	WR040	36.3081	78.0961	7.4	75	4.7	8	25	41000	40	16800	390	7700	11.9	2900	70	1.4	-1.0	13	3	8.0	-0.2	
6432	WR041	36.3176	78.0890	7.2	40	5.2	27	17	18900	124	5400	280	3400	4.8	3200	30	12.5	3.1	65	11	12.1	1.1	
6433	WR042	36.2948	78.0668	7.3	88	2.4	-3	6	39600	46	9000	540	11500	12.9	1600	60	3.3	1.1	9	N	3.1	0.9	
6434	WR043	36.3046	78.0575	7.5	50	4.7	6	11	65400	28	25900	1060	12100	8.9	5400	80	2.7	2.8	31	5	2.6	0.5	
6435	WR044	36.3075	78.0498	7.3	69	2.0	-2	8	35500	56	13200	470	10300	17.2	2500	60	2.5	2.4	22	3	N	-0.2	
6436	WR045	36.2706	78.1314	7.4	51	3.4	5	7	70500	67	17800	2580	6600	12.5	2600	100	4.4	2.0	34	4	N	0.7	
6437	WR046	36.2471	78.1613	7.4	51	1.2	-3	3	31800	-20	16300	310	5300	7.0	1900	50	N	1.1	13	N	N	-0.2	
6438	WR047	36.2874	78.1860	7.2	58	2.0	6	11	27500	19	-5400	620	6500	10.3	3200	40	2.5	-1.0	15	3	N	-0.2	
6439	WR048	36.3286	78.2361	7.2	50	2.8	-3	12	54500	-20	13700	380	11600	4.4	1300	40	1.3	-1.0	8	30	3.6	-0.2	
6440	WR049	36.3262	78.2758	7.2	51	4.3	13	8	21700	73	10900	660	6300	2.5	3100	30	6.9	-1.0	32	6	7.1	0.8	
6441	WR050	36.2988	78.2374	7.1	48	9.4	72	66	36800	305	30200	1300	5600	12.7	23100	100	16.2	-1.0	148	24	8.3	1.8	
6442	WR051	36.2691	78.2699	7.4	51	7.4	24	23	48800	104	11900	560	9800	4.9	6500	40	8.9	-1.0	66	11	6.1	0.6	
6443	WR052	36.4461	78.0872	7.8	46	18.3	57	160	35500	272	31400	2330	3900	9.5	27200	50	19.5	7.7	157	26	10.2	1.7	
6444	WR053	36.4657	78.0267	7.7	45	14.8	64	41	23900	339	28700	1010	3200	9.6	15300	60	19.7	4.2	155	25	9.4	0.8	
6448	WR057	36.4901	78.0888	7.2	42	6.9	27	11	18600	125	9200	600	3700	3.1	6700	30	7.0	-1.0	67	11	2.0	0.5	
6449	WR058	36.4712	78.1237	7.4	42	5.3	32	8	36400	169	16100	510	4600	4.2	6100	40	10.1	2.2	84	15	6.4	0.9	
6450	WR059	36.4946	78.1398	7.1	70	8.3	28	57	61500	214	13400	590	9700	3.5	4500	30	4.1	-1.2	96	7	3.0	0.6	
6452	WR061	36.4111	78.2320	7.1	51	5.3	11	22	28500	56	-5000	640	5100	5.9	5300	50	6.0	1.5	27	5	4.3	0.9	
6453	WR062	36.3721	78.2348	7.4	42	6.0	13	20	57500	-20	36300	640	8200	10.2	4400	70	8.8	0.7	34	7	5.7	0.8	
6454	WR063	36.3661	78.2250	7.2	50	5.0	7	13	45700	45	19800	610	8500	11.9	3600	50	2.2	8.5	16	3	5.1	0.6	
6455	WR064	36.3614	78.2728	7.8	40	7.1	32	47	28700	132	27900	1020	4200	8.6	19000	70	8.2	1.8	84	16	6.3	1.2	
6456	WR065	36.3885	78.2628	8.0	4	2.2	6	8	23200	45	8100	400	4200	9.2	4800	40	2.4	-1.0	19	3	N	-0.2	
6457	WR066	36.3996	78.2669	7.6	41	7.1	28	20	46500	106	17600	670	9500	11.9	7700	60	8.6	3.9	60	12	5.1	0.8	
6458	WR067	36.4173	78.2064	7.7	49	6.5	28	17	62900	60	23400	640	18000	8.0	5300	70	2.9	1.1	53	4	5.6	1.0	
6459	WR068	36.4512	78.2522	7.3	52	4.0	8	7	23800	35	12500	440	9200	11.6	3200	40	4.8	-1.4	N	8	3.3	0.8	
6460	WR069	36.4768	78.2601	7.5	51	6.1	57	10	78200	244	23700	1790	22200	4.9	6700	50	6.8	1.8	156	20	N	0.8	
6461	WR070	36.4839	78.2150	7.3	59	2.9	6	11	23200	22	16600	460	9000	10.9	3200	40	2.8	-1.2	N	5	N	N	
6465	WR074	36.4897	78.2434	7.0	55	7.5	42	18	39100	178	22200	960	12400	8.8	9100	60	10.3	5.3	131	15	6.6	0.8	0.082
6466	WR075	36.4903	78.2586	7.1	55	4.4	6	17	32100	82	17700	640	9500	10.1	4500	50	2.3	-1.0	34	N	4.2	0.6	
6468	WR077	36.4952	78.2810	7.1	41	8.1	49	20	28100	158	-5300	220	9700	2.3	2400	20	9.6	-1.0	103	12	11.8	0.6	

SOUTH BOSTON 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
1646	GN018	36.5030	78.7807	0.8	0.4	4	110	1.5	600	15	2050	11	3000	6	1950	-2	20	10	600	12	-1	-5	.	-2	-5	32
1647	GN019	36.5036	78.7507	0.8	0.1	4	62	1.5	200	7	50	6	4000	6	650	-2	10	-5	700	20	-1	-5	.	2	-5	17
1648	GN020	36.5168	78.7015	0.8	0.2	4	67	1.5	100	5	25	21	3000	9	2100	-2	10	7	1100	15	-1	-5	.	-2	-5	20
1649	GN021	36.5026	78.7022	0.8	0.1	4	70	1.5	300	12	46	10	2000	5	1250	-2	5	5	1100	12	-1	-5	.	2	-5	22
1650	GN022	36.5124	78.6814	0.7	0.2	3	45	1.5	200	10	85	7	3000	5	2400	3	5	5	800	17	-1	5	.	-2	5	15
1651	GN023	36.5191	78.6532	0.7	0.2	2	37	1	300	7	60	7	2000	-5	1250	-2	-5	-5	800	10	-1	-5	.	-2	5	17
1652	GN024	36.5311	78.6585	0.8	0.3	2	17	1.5	200	7	41	6	3000	5	1600	2	40	-5	800	15	-1	-5	.	-2	5	20
1700	GN072	36.5266	78.5341	1.1	0.1	4	57	1.5	100	10	31	6	3000	7	1050	-2	5	5	800	12	-1	-5	.	-2	5	12
1701	GN073	36.5140	78.5880	0.3	-0.1	7	27	1	200	5	14	6	2000	-5	2650	-2	5	-5	900	-10	-1	5	.	-2	5	7
1702	GN074	36.5000	78.5899	0.7	-0.1	5	5	1	100	10	25	6	1000	5	3300	-2	15	5	700	-10	-1	5	.	-2	5	7
1704	GN076	36.5040	78.6333	1.7	0.1	1	25	0.5	100	-5	19	6	3000	8	2050	-2	-5	-5	700	10	-1	55	.	-2	-5	15
1705	GN077	36.5054	78.6621	0.6	0.1	1	30	1	200	5	14	6	1000	5	1750	-2	5	-5	700	-10	1	15	.	-2	-5	12
3012	PN022	36.5400	78.9645	0.7	-0.1	1	115	1	700	5	10	8	8000	-5	2150	-2	5	7	1000	-10	-1	5	.	-2	5	35
3013	PN023	36.5406	78.9837	0.7	0.3	0	77	1.5	400	27	10	14	11000	-5	4000	-2	5	10	1000	10	-1	-5	.	-2	-5	20
3024	PN034	36.5302	78.8773	0.8	0.3	1	17	0.5	300	7	17	13	5000	7	2600	-2	-5	10	800	10	-1	-5	.	-2	5	25
3025	PN035	36.5218	78.8277	0.7	0.1	1	7	1	200	-5	35	7	4000	7	1750	-2	5	10	700	-10	-1	-5	.	-2	-5	17
3026	PN036	36.5175	78.9175	0.7	0.1	1	17	1	600	5	40	9	2000	7	950	-2	-5	5	1000	10	-1	5	.	-2	5	12
3972	VA014	36.5286	78.4368	1.3	1.0	7	42	4	1700	-5	15	35	5000	13	900	-2	107	-5	1000	50	-1	-5	.	250	5	160
3973	VA015	36.5140	78.4593	1.0	0.1	1	102	1.5	100	-5	10	3	15000	8	300	-2	10	-5	1000	10	-1	-5	.	20	-5	10
4396	WR055	36.5113	78.0621	5.7	0.2	1	.92	1	-100	5	8	6	16000	19	850	-2	125	5	900	10	-1	-5	.	3	175	20
4397	WR056	36.5096	78.0800	3.6	-0.1		32	0.5	-100	-5	11	2	16000	11	1300	2	15	-5	900	10	-1	-5	.	-2	-5	12
4401	WR060	36.5224	78.1208	2.3	-0.1	1	60	1	-100	-5	20	2	15000	12	1900	-2	5	-5	800	-10	1	-5	.	-2	135	7
4412	WR071	36.5274	78.1713	2.1	-0.1		35	1	100	-5	8	-2	24000	8	800	-2	5	-5	700	-10	-1	-5	.	-2	15	5
4413	WR072	36.5411	78.1949	1.9	-0.1	2	40	1	100	-5	6	3	14000	13	1450	-2	15	-5	800	-10	1	-5	.	-2	115	5
4414	WR073	36.5181	78.2023	2.5	-0.1	1	482	2	100	-5	6	6	25000	18	600	-2	15	-5	800	15	-1	-5	.	2	120	30
4417	WR076	36.5207	78.2601	2.5	-0.1	1	7	0.5	-100	-5	7	-2	11000	7	550	-2	15	-5	700	-10	-1	-5	.	-2	-5	-5
4419	WR078	36.5001	78.2930	3.1	-0.1		7	0.5	-100	-5	6	-2	12000	9	350	-2	25	-5	600	-10	-1	5	.	-2	105	-5
4420	WR079	36.5036	78.3121	2.1	-0.1	1	92	1	-100	-5	5	-2	26000	13	250	-2	15	-5	700	-10	-1	5	.	-2	-5	7

HENDERSON 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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1178	DR001	36.0708	78.9103	0.5	0.6	1	47	2	400	10	20	11	5000	5	1450	-2	15	40	400	22	2	5	.	-2	-5	50
1179	DR002	36.0705	78.9371	0.9	0.4		100	2.5	500	7	15	9	4000	-5	1100	-2	10	35	400	12	2	-5	.	-2	-5	50
1180	DR003	36.0748	78.9616	0.9	0.6	2	50	2	200	7	11	6	5000	10	1000	-2	10	30	500	15	-1	-5	.	-2	-5	42
1181	DR004	36.0879	78.9355	0.7	0.9	1	75	2	200	7	12	8	4000	10	1000	-2	15	12	400	12	2	-5	.	-2	-5	45
1182	DR005	36.1175	78.9664	0.6	0.4	1	45	1.5	-100	12	21	11	3000	6	250	-2	15	92	200	-10	2	-5	.	-2	-5	32
1183	DR006	36.1320	78.9518	0.9	0.6		55	1.5	400	12	16	10	3000	7	1500	-2	15	202	500	17	1	10	.	-2	-5	47
1184	DR007	36.1471	78.9518	0.5	0.6	1	55	2.5	700	5	9	16	3000	5	1050	-2	15	117	500	-10	3	5	.	-2	-5	50
1185	DR008	36.1611	78.9536	0.4	0.6	2	57	1	400	-5	20	8	4000	6	2250	-2	10	32	400	10	1	10	.	-2	-5	32
1186	DR009	36.1756	78.9186	0.5	0.5	1	35	2	400	7	10	11	3000	8	1350	-2	15	30	500	12	3	20	.	-2	-5	52
1187	DR010	36.1908	78.9192	0.5	0.6	1	75	2	200	5	11	9	5000	15	1750	-2	10	15	500	20	1	-5	.	-2	-5	57
1188	DR011	36.1993	78.8875	1.1	0.7	1	140	2	1200	7	12	20	8000	8	2300	-2	10	20	600	20	-1	-5	.	-2	-5	75
1189	DR012	36.1990	78.9588	1.5	0.7	1	32	2	200	10	13	8	3000	8	900	-2	10	22	600	10	-1	-5	.	-2	-5	30
1190	DR013	36.1965	78.8411	0.7	0.6		32	2	400	5	10	8	4000	9	900	-2	5	17	400	-10	1	-5	.	-2	-5	25
1191	DR014	36.1750	78.8202	0.4	0.5	1	25	1	500	5	19	8	3000	8	900	-2	10	10	400	12	-1	5	.	-2	15	32
1192	DR015	36.1789	78.8304	0.4	0.6		22	1	400	-5	22	4	5000	6	950	-2	5	27	400	10	-1	5	.	-2	-5	20
1193	DR016	36.1736	78.8452	0.9	0.6	1	27	2	200	-5	12	7	6000	9	1300	-2	10	7	500	10	1	-5	.	-2	-5	37
1194	DR017	36.2004	78.8539	0.6	0.6	1	22	1.5	200	7	14	9	5000	6	1500	-2	15	50	400	-10	1	-5	.	-2	-5	27
1195	DR018	36.1507	78.9043	0.6	0.6	1	37	1.5	400	10	16	7	6000	9	1550	-2	15	6	600	-10	3	-5	.	-2	-5	40
1196	DR019	36.1372	78.9093	0.5	0.6	2	38	1.4	600	12	21	10	2000	12	1160	-2	15	35	400	60	7	-5	.	-2	-5	60
1197	DR020	36.0927	78.8667	2.0	0.5	1	32	2.5	400	7	20	8	12000	12	950	-2	10	17	500	20	1	5	.	-2	-5	42
1198	DR021	36.0822	78.8569	0.6	0.5	1	72	1.5	500	5	20	7	7000	11	1850	-2	-5	107	500	12	1	-5	.	-2	-5	35
1199	DR030	36.0047	78.7983	1.2	0.5	1	50	2	100	-5	14	3	17000	8	1150	-2	-5	5	500	12	1	-5	.	-2	-5	2
1200	DR031	36.0119	78.7655	0.7	0.4	1	67	1.5	100	-5	10	2	25000	9	1000	-2	10	10	600	-10	1	-5	.	-2	-5	15
1201	DR032	36.0170	78.7566	0.6	0.6	1	185	1.5	400	-5	9	2	25000	8	1400	-2	5	5	600	-10	1	5	.	-2	-5	15
1202	DR033	36.0451	78.7646	0.9	0.5		57	2	200	-5	19	3	21000	7	1150	-2	-5	27	600	10	-1	5	.	-2	-5	22
1203	DR034	36.0516	78.7712	0.7	0.5	1	37	2	400	5	.	5	20000	9	650	-2	5	12	.	10	-1	-5	.	-2	-5	32
1204	DR035	36.0592	78.8154	1.1	0.5		25	1.6	500	-5	.	7	9000	-5	1480	-2	-5	130	.	27	2	-5	.	-2	-5	85
1205	DR036	36.0919	78.8224	0.5	0.7	1	22	2	500	12	.	16	5000	5	1650	-2	25	12	.	27	-1	-5	.	-2	-5	60
1206	DR037	36.0944	78.8865	0.4	0.6	2	32	2	600	7	12	13	7000	7	1550	-2	5	17	700	32	-1	-5	.	-2	-5	57
1207	DR101	36.0716	78.9097	0.9	1.0	1	60	2	400	12	27	10	6000	5	1400	-2	35	15	600	27	-1	-5	.	-2	-5	65
1208	DR102	36.0710	78.9362	0.5	0.5		52	2.5	600	10	19	12	6000	5	1650	-2	15	-5	600	15	5	-5	.	-2	-5	67
1209	DR103	36.0758	78.9599	1.4	0.5	1	20	1.5	200	7	13	5	4000	10	1250	-2	5	5	500	12	3	-5	.	-2	-5	40
1210	DR104	36.0893	78.9349	0.4	0.6	1	25	1.5	200	5	15	6	4000	6	1100	-2	15	5	400	12	-1	-5	.	-2	-5	35
1211	DR105	36.1194	78.9643	0.6	0.6	1	7	2	-100	12	17	10	3000	7	2000	-2	15	10	600	15	-1	-5	.	-2	-5	32

HENDERSON 100K QUADRANGLE - SUPPLEMENTAL STREAM SEDIMENT

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1212	DR106	36.1329	78.9496	0.2	0.5	1	25	1.5	200	15	19	9	4000	6	1550	-2	15	22	600	17	3	-5	.	-2	-5	47
1213	DR107	36.1483	78.9498	0.5	0.8	1	22	1.5	100	15	22	17	2000	-5	1450	-2	5	17	500	15	3	-5	.	-2	-5	55
1214	DR108	36.1626	78.9514	3.0	0.4	5	42	1.5	100	10	28	9	3000	5	2550	-2	15	25	600	12	3	5	.	-2	-5	45
1215	DR109	36.1768	78.9173	0.6	0.8	2	42	1.5	100	12	14	8	4000	7	2400	-2	10	15	500	20	3	-5	.	-2	-5	45
1216	DR110	36.1916	78.9177	0.9	0.2	4	32	0.5	200	10	20	6	5000	7	1300	3	15	7	600	20	-1	15	.	-2	-5	22
1217	DR111	36.2012	78.8868	1.4	0.1	3	32	0.5	100	5	28	7	4000	6	1350	-2	20	17	300	15	-1	5	.	-2	10	32
1218	DR112	36.2009	78.9565	1.1	0.2	6	50	0.5	100	12	14	7	4000	7	600	-2	15	32	400	17	-1	5	.	-2	-5	20
1219	DR113	36.1971	78.8404	0.9	0.2	1	17	-0.5	100	-5	52	2	5000	-5	1050	-2	20	-5	200	10	-1	-5	.	-2	-5	-5
1220	DR114	36.1758	78.8203	1.1	0.1	3	25	0.5	100	5	27	6	4000	6	1000	-2	15	22	200	12	-1	-5	.	-2	-5	15
1221	DR115	36.1794	78.8301	1.1	0.2	4	22	0.5	100	-5	16	3	8000	-5	1200	-2	-5	25	200	-10	-1	5	.	-2	-5	5
1222	DR116	36.1754	78.8453	1.0	0.1	2	20	-0.5	-100	-5	15	2	5000	-5	1250	2	5	30	100	-10	-1	-5	.	-2	-5	-5
1223	DR117	36.2020	78.8533	1.1	0.2	3	30	-0.5	-100	-5	77	2	6000	5	1200	-2	25	22	100	10	-1	-5	.	-2	-5	20
1224	DR118	36.1522	78.9032	1.5	0.3	4	45	0.5	-100	10	13	7	7000	9	950	2	10	7	400	20	-1	-5	.	-2	-5	17
1225	DR119	36.1383	78.9082	1.6	0.3	4	55	1	100	10	-5	10	4000	5	1600	-2	15	17	400	25	-1	-5	.	-2	-5	32
1226	DR120	36.0926	78.8671	1.6	0.2	4	45	1	-100	7	15	6	14000	11	700	4	20	10	400	20	2	-5	.	-2	-5	22
1227	DR121	36.0827	78.8576	0.9	0.4	4	52	0.8	100	10	20	7	8000	11	2000	-2	25	20	300	12	-1	-5	.	-2	-5	17
1228	DR130	36.0043	78.8001	2.5	0.1	4	102	1.5	100	-5	8	2	13000	8	1000	-2	5	7	300	-10	-1	-5	.	-2	-5	-5
1229	DR131	36.0113	78.7690	1.7	0.2	1	72	1	100	-5	9	2	21000	7	900	-2	5	30	300	10	-1	-5	.	-2	10	-5
1230	DR132	36.0168	78.7593	0.7	0.2	3	125	1.5	100	-5	10	2	19000	7	650	-2	-5	52	200	10	-1	-5	.	-2	-5	5
1231	DR133	36.0451	78.7673	2.9	-0.1	2	207	0.5	-100	5	9	3	24000	7	600	-2	10	135	300	10	-1	-5	.	-2	-5	5
1232	DR134	36.0507	78.7737	1.0	0.1	3	67	1	-100	7	12	4	19000	6	950	-2	-5	35	200	10	-1	-5	.	-2	15	20
1233	DR135	36.0593	78.8168	0.9	0.3	3	47	1	-100	-5	11	5	11000	6	1500	4	5	15	300	25	-1	10	.	-2	-5	57
1234	DR136	36.0916	78.8235	1.0	0.1	4	50	0.5	100	10	23	10	6000	-5	2000	-2	50	40	400	25	-1	-5	.	-2	-5	35
1235	DR137	36.0948	78.8861	1.0	0.1	4	42	0.5	-100	5	12	6	10000	5	1200	-2	10	15	300	17	1	5	.	-2	-5	22
1511	FR013	36.0251	78.2910	1.6	0.2	0	150	1	100	-5	-5	4	19000	8	1200	2	20	-5	1000	25	-1	-5	.	-2	95	22
1512	FR014	36.0434	78.3343	1.2	0.2	1	240	2	100	-5	-5	4	16000	6	700	3	20	5	800	10	-1	5	.	-2	5	12
1513	FR015	36.0520	78.3594	1.4	-0.1	0	175	1	100	-5	-5	4	9000	5	450	-2	35	5	900	10	-1	5	.	-2	-5	10
1514	FR016	36.0407	78.3503	0.7	0.1	0	242	2	100	-5	-5	3	28000	7	250	2	10	7	800	-10	-1	-5	.	-2	-5	12
1515	FR017	36.0042	78.3639	0.7	-0.1	0	92	1.5	200	-5	-5	4	26000	9	-200	-2	20	-5	900	10	-1	-5	.	-2	-5	22
1517	FR019	36.0388	78.4332	0.4	0.1		367	2	700	5	-5	17	13000	5	1400	-2	25	10	1100	15	-1	-5	.	-2	-5	37
1518	FR020	36.2501	78.2598	0.3	0.1	2	255	1.5	100	-5	-5	6	16000	8	450	-2	10	5	800	17	-1	-5	.	-2	-5	22
1519	FR021	36.0566	78.4563	0.4	-0.1	1	217	1.5	300	-5	5	10	15000	8	500	-2	15	-5	1000	12	-1	-5	.	-2	-5	47
1520	FR022	36.0153	78.4913	0.3	0.2	5	180	1.5	800	-5	-5	8	14000	5	600	-2	20	7	1100	10	-1	5	.	-2	5	27
1521	FR023	36.0242	78.5199	0.3	0.2	1	17	1	300	-5	-5	4	3000	5	700	-2	15	-5	900	-10	1	-5	.	-2	-5	37

HENDERSON 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
1522	FR024	36.0520	78.5303	0.3	0.3	1	35	1	100	-5	-5	9	4000	6	550	2	10	7	1000	12	-1	5	.	-2	5	27
1523	FR025	36.0709	78.5406	0.4	0.2	2	5	0.5	-100	-5	5	5	1000	7	900	-2	10	5	700	17	-1	-5	.	-2	-5	27
1524	FR026	36.0743	78.4809	0.4	0.1	1	370	1	200	-5	6	4	15000	5	1100	-2	10	5	800	-10	-1	-5	.	2	-5	40
1525	FR027	36.1059	78.4715	0.3	0.1	0	252	2	500	5	5	21	9000	8	500	3	20	15	1100	27	3	-5	.	-2	-5	95
1526	FR028	36.1212	78.5150	0.5	0.1	0	37	1	800	-5	-5	6	4000	5	750	-2	10	7	900	-10	-1	-5	.	2	15	17
1527	FR029	36.1718	78.4888	0.3	0.1	0	27	1.5	600	5	-5	9	7000	5	2950	4	25	7	800	10	-1	-5	.	-2	-5	27
1528	FR030	36.1481	78.4819	0.4	0.1	0	5	1.5	400	-5	-5	4	5000	5	3450	2	30	5	700	12	-1	-5	.	2	-5	12
1529	FR031	36.0704	78.3812	0.4	-0.1	0	315	2	200	-5	-5	5	20000	5	1250	2	20	5	900	12	-1	5	.	-2	-5	25
1530	FR032	36.0722	78.3018	0.3	0.2	9	362	3	200	-5	5	5	18000	5	800	2	20	-5	900	37	-1	-5	.	-2	10	100
1531	FR033	36.0468	78.2461	0.3	-0.1	0	135	2	400	-5	5	4	15000	6	1200	2	15	5	1000	12	-1	-5	.	-2	-5	25
1532	FR034	36.0417	78.2062	0.6	0.1	1	260	2.5	200	5	5	6	21000	13	750	3	25	-5	1200	10	-1	-5	.	-2	285	35
1533	FR035	36.0120	78.1946	0.3	-0.1	1	332	2.5	100	-5	-5	4	19000	6	200	-2	20	10	800	-10	-1	-5	.	-2	5	17
1535	FR037	36.0273	78.1362	0.7	0.1	1	407	3	100	-5	5	6	21000	18	1300	3	15	5	800	20	-1	-5	.	-2	-5	20
1536	FR038	36.0704	78.0993	0.3	-0.1	1	297	2	200	-5	-5	4	19000	8	700	3	10	5	800	10	-1	-5	.	-2	-5	20
1537	FR039	36.0560	78.1261	0.3	-0.1	2	172	3	200	-5	-5	4	28000	17	300	-2	15	5	1000	10	-1	-5	.	-2	5	15
1538	FR040	36.0713	78.1378	0.6	0.1	2	187	2	100	-5	-5	3	25000	19	800	3	35	-5	1000	-10	-1	10	.	-2	10	7
1539	FR041	36.0605	78.1804	0.8	-0.1	3	112	2	200	-5	-5	6	18000	16	600	3	50	-5	900	10	-1	-5	.	2	140	20
1540	FR042	36.0791	78.2000	2.6	0.1	3	195	2	200	-5	-5	5	20000	6	600	4	25	-5	1100	15	-1	-5	.	-2	280	22
1541	FR043	36.0735	78.2596	0.3	0.1		97	1.5	500	-5	-5	6	9000	7	1250	-2	15	-5	1000	-10	-1	-5	.	2	15	12
1542	FR044	36.1165	78.2358	0.3	-0.1	2	57	2	700	7	-5	7	8000	8	600	-2	10	5	800	10	-1	-5	.	-2	15	40
1543	FR045	36.1041	78.3248	3.1	0.1	0	322	2	200	-5	5	4	37000	11	1750	3	5	-5	1000	12	-1	-5	.	-2	5	20
1544	FR046	36.1153	78.2719	2.5	0.1	1	72	1.5	100	-5	5	3	24000	9	1400	4	5	-5	900	-10	-1	-5	.	-2	-5	10
1545	FR047	36.1109	78.1338	2.2	0.2		50	1.5	100	-5	-5	4	16000	-5	700	2	10	-5	900	-10	-1	-5	.	-2	-5	52
1546	FR048	36.1198	78.1356	6.9	-0.1	0	187	2	300	-5	-5	4	15000	9	450	-2	10	-5	1200	17	-1	-5	.	-2	25	27
1547	FR049	36.1215	78.0746	2.3	0.1	0	40	1.5	100	5	-5	5	8000	6	1850	3	5	-5	900	17	-1	-5	.	-2	5	50
1548	FR050	36.1453	78.0999	3.3	0.1	3	112	3	100	-5	-5	4	16000	9	1300	-2	20	-5	1000	15	-1	-5	.	-2	75	17
1549	FR051	36.1459	78.0575	1.4	-0.1		72	1	100	-5	-5	3	5000	7	1300	2	10	-5	700	10	-1	5	.	-2	-5	22
1550	FR052	36.1684	78.1230	1.2	-0.1	1	37	1.5	200	-5	-5	3	17000	7	1750	-2	10	-5	800	10	-1	-5	.	-2	45	15
1551	FR053	36.2081	78.1096	1.1	-0.1		67	1.5	100	-5	-5	4	17000	10	1800	2	15	-5	900	-10	2	-5	.	-2	10	12
1552	FR054	36.2133	78.1342	2.2	-0.1	2	15	2.5	100	-5	-5	3	15000	28	1300	-2	30	-5	900	-10	1	-5	.	2	5	7
1553	FR055	36.2230	78.1436	.	.		.	.	.	.	.	.	.	.	.	.	.	.	1000	.		.	.	.	.	.
1554	FR056	36.1757	78.1901	1.8	0.2		245	1	1200	-5	-5	6	22000	-5	1350	3	5	-5	800	10	-1	-5	.	-2	20	27
1555	FR057	36.1885	78.2022	1.1	0.2	1	300	1.5	100	-5	-5	6	16000	7	1400	-2	-5	-5	1100	10	-1	10	.	2	-5	65
1556	FR058	36.1527	78.2388	0.7	0.4	3	117	1.5	300	-5	-5	4	17000	6	650	2	15	-5	700	10	-1	5	.	2	5	17

HENDERSON 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
1557	FR059	36.2110	78.2262	2.7	-0.1		577	2	200	-5	-5	11	24000	14	1550	2	5	-5	1100	22	-1	-5	.	-2	-5	35
1558	FR060	36.1973	78.2490	1.1	0.1	0	410	2	100	-5	-5	5	17000	6	700	-2	-5	-5	900	-10	-1	-5	.	-2	20	12
1559	FR061	36.2408	78.2636	2.8	0.3	1	392	2	600	5	-5	7	20000	8	650	3	15	-5	900	87	2	-5	.	2	-5	192
1560	FR062	36.2387	78.2805	4.2	-0.1	2	377	1.5	200	-5	-5	5	18000	5	1600	-2	10	-5	1000	12	1	-5	.	-2	-5	12
1561	FR063	36.2123	78.2970	1.7	0.1	1	577	1	-100	-5	-5	4	23000	6	700	-2	5	-5	900	12	-1	-5	.	-2	-5	17
1562	FR064	36.2035	78.3563	2.5	0.1	1	107	1	-100	-5	-5	5	6000	8	500	2	15	-5	1000	10	-1	-5	.	-2	-5	0
1563	FR065	36.1856	78.3639	2.7	0.3	1	257	2	200	-5	-5	7	17000	9	200	3	10	-5	.	15	-1	-5	.	-2	5	47
1564	FR066	36.1599	78.4045	1.1	0.2		57	1	400	-5	5	5	7000	7	1300	-2	5	-5	600	10	-1	-5	.	-2	-5	22
1565	FR067	36.1915	78.3242	7.1	-0.1	0	47	1	100	-5	5	7	14000	8	600	-2	10	-5	700	17	-1	-5	.	-2	-5	20
1566	FR068	36.1819	78.3013	3.7	-0.1	0	7	1	200	-5	5	7	5000	8	1250	-2	15	-5	800	15	1	-5	.	2	5	17
1567	FR069	36.1514	78.2935	3.3	0.2	1	25	1	100	-5	-5	7	3000	12	1400	2	5	-5	900	20	-1	-5	.	-2	-5	25
1568	FR070	36.1364	78.3212	2.2	0.3	0	50	1	-100	-5	-5	7	14000	9	1150	-2	15	-5	700	12	-1	-5	.	-2	35	32
1569	FR071	36.1348	78.3699	3.0	0.2	0	450	2	100	-5	-5	9	12000	10	1600	4	10	-5	700	20	-1	-5	.	-2	5	32
1570	FR072	36.1494	78.4121	1.7	0.1		175	1.5	500	-5	5	4	16000	10	1500	-2	15	-5	700	10	-1	5	.	-2	-5	10
1571	FR073	36.1101	78.3923	1.2	0.2	0	162	1	400	-5	-5	4	28000	7	1100	3	15	-5	800	-10	-1	15	.	-2	-5	17
1629	GN001	36.3344	78.7698	0.7	-0.1		37	1	300	-5	100	8	3000	-5	2050	-2	15	-5	700	10	-1	5	.	-2	5	17
1630	GN002	36.3107	78.7523	0.7	0.2	1	37	1.5	300	7	44	8	5000	5	2350	-2	15	5	800	10	-1	-5	.	-2	-5	27
1631	GN003	36.3058	78.7694	0.7	0.2	2	12	1.5	200	7	24	6	5000	7	3150	-2	-5	-5	700	12	-1	5	.	-2	-5	20
1632	GN004	36.3066	78.7914	0.6	0.2	0	15	1	100	-5	12	2	5000	7	2250	2	25	-5	800	10	-1	-5	.	-2	-5	10
1633	GN005	36.2592	78.7943	0.7	0.3	3	35	1.5	200	5	33	5	6000	7	2300	2	50	-5	700	15	-1	10	.	-2	-5	17
1634	GN006	36.3127	78.7222	0.7	0.1	0	27	1.5	400	7	54	8	4000	5	1950	-2	45	-5	700	15	-1	10	.	-2	-5	15
1635	GN007	36.3152	78.6950	0.7	0.1	0	10	1	400	5	15	6	3000	-5	1300	-2	20	-5	600	-10	-1	-5	.	2	-5	10
1636	GN008	36.3427	78.6923	0.7	0.1	0	10	1	300	-5	9	5	3000	-5	1400	-2	20	-5	500	-10	-1	-5	.	-2	-5	10
1637	GN009	36.3493	78.6679	0.7	0.1	0	22	1	300	5	17	8	3000	5	1200	-2	15	-5	600	-10	-1	-5	.	2	-5	20
1638	GN010	36.3561	78.7251	0.7	0.1	0	25	1	200	-5	35	5	4000	-5	1950	-2	50	-5	700	-10	-1	-5	.	2	5	12
1639	GN011	36.3561	78.7435	0.7	0.1	1	22	1.5	200	7	32	7	4000	6	900	-2	35	-5	700	10	-1	5	.	2	-5	15
1640	GN012	36.3920	78.7741	0.7	0.2	3	50	1	400	15	28	8	2000	-5	2500	-2	50	12	600	12	-1	5	.	-2	-5	17
1641	GN013	36.4255	78.7709	0.7	0.1	3	47	1	200	10	32	6	2000	5	2100	-2	-5	-5	800	-10	-1	-5	.	2	-5	15
1642	GN014	36.4433	78.7465	0.8	0.2	7	55	1	200	7	47	5	3000	6	1650	-2	30	-5	500	15	-1	-5	.	-2	-5	15
1643	GN015	36.4266	78.7400	0.8	0.2	5	90	1.5	200	15	21	11	4000	8	2250	2	30	5	800	15	-1	15	.	-2	-5	27
1644	GN016	36.4761	78.7565	0.8	0.3	7	87	2	200	5	39	8	9000	7	850	-2	5	-5	700	-10	-1	15	.	-2	-5	17
1645	GN017	36.4754	78.7903	0.7	0.2	4	25	1.5	100	-5	27	5	2000	5	2000	-2	40	-5	700	-10	-1	5	.	3	-5	12
1653	GN025	36.2687	78.6674	0.7	0.4	0	17	1	200	5	28	3	5000	-5	1400	9	160	-5	1000	-10	-1	10	.	-2	5	10
1654	GN026	36.2752	78.6935	0.7	0.1	0	37	1.5	300	7	22	7	6000	5	2150	5	-5	5	700	10	-1	10	.	-2	15	20

HENDERSON 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
1655	GN027	36.2723	78.6975	0.8	0.2	2	42	1.5	600	12	16	9	4000	-5	2950	2	45	-5	800	10	-1	10	.	-2	5	10
1656	GN028	36.2587	78.6870	0.7	0.2	1	7	1.5	100	-5	8	3	5000	7	950	-2	5	-5	700	-10	-1	5	.	-2	-5	12
1657	GN029	36.2389	78.6973	0.7	0.5	2	12	1.5	200	5	19	5	2000	5	1050	3	10	-5	700	-10	-1	-5	.	-2	5	12
1658	GN030	36.2577	78.7295	0.7	0.4	3	30	1.5	400	5	9	8	3000	5	1150	-2	10	7	800	17	-1	5	.	-2	-5	22
1659	GN031	36.2647	78.7248	0.7	0.1	5	12	1	200	-5	18	4	3000	6	2300	-2	-5	-5	800	-10	-1	-5	.	-2	-5	7
1660	GN032	36.2998	78.7008	0.7	0.3	1	25	1.5	200	-5	20	5	6000	5	1100	-2	-5	-5	600	-10	-1	-5	.	-2	-5	12
1661	GN033	36.1919	78.5134	1.4	0.4	11	25	1.5	500	10	78	7	4000	7	3300	5	10	5	1100	12	-1	-5	.	4	75	17
1662	GN034	36.1823	78.5583	0.7	0.1	9	10	1	100	-5	25	4	3000	7	2350	-2	5	-5	800	-10	-1	-5	.	-2	5	7
1663	GN035	36.1460	78.5437	0.7	0.1	0	20	1.5	100	-5	40	4	5000	7	1300	-2	5	-5	1100	10	-1	5	.	2	245	10
1664	GN036	36.0936	78.5603	1.4	0.1		37	1	300	-5	8	6	3000	-5	1350	-2	15	-5	500	-10	-1	10	.	-2	15	7
1665	GN037	36.1048	78.6068	5.3	-0.1	1	132	1.5	100	5	13	-2	32000	5	750	-2	5	-5	2600	12	-1	10	.	-2	295	-5
1666	GN038	36.0888	78.6022	1.1	0.1	1	20	1	200	5	20	5	5000	6	2400	-2	40	-5	1000	10	-1	10	.	-2	160	12
1667	GN039	36.0564	78.5781	0.4	0.2	1	15	1.5	500	-5	12	6	2000	-5	1100	-2	30	5	1000	-10	-1	-5	.	-2	145	12
1668	GN040	36.0525	78.5768	0.7	0.2		7	1	100	-5	7	5	4000	-5	1350	-2	5	-5	1000	-10	-1	15	.	-2	15	15
1669	GN041	36.0463	78.5686	0.7	-0.1	2	7	1	-100	-5	11	2	4000	5	650	-2	5	-5	1000	-10	-1	5	.	-2	15	7
1670	GN042	36.0914	78.6403	1.4	0.2	2	137	2	300	5	9	7	28000	16	1700	-2	10	-5	700	30	-1	5	.	-2	10	40
1671	GN043	36.1172	78.6195	1.4	-0.1	2	95	1.5	100	-5	7	-2	34000	-5	600	-2	5	-5	1000	-10	-1	5	.	-2	95	-5
1672	GN044	36.1212	78.6627	1.7	-0.1	2	172	2	100	-5	8	-2	22000	7	600	-2	20	-5	800	15	-1	-5	.	-2	50	7
1673	GN045	36.1338	78.6520	1.4	0.2	2	177	2.5	200	-5	11	5	22000	9	750	-2	5	-5	800	12	-1	5	.	-2	5	10
1674	GN046	36.1411	78.6623	1.4	-0.1	1	135	2	100	-5	9	3	24000	8	650	-2	20	-5	800	-10	-1	-5	.	-2	5	7
1675	GN047	36.0820	78.6685	1.7	0.1	2	305	1.5	100	-5	8	2	26000	5	200	-2	5	-5	700	12	-1	5	.	2	5	10
1676	GN048	36.0926	78.7255	1.3	0.4	3	250	2.5	200	32	37	13	20000	7	1150	-2	10	15	800	30	-1	-5	.	-2	5	52
1677	GN049	36.1514	78.7498	1.4	-0.1	2	62	1.5	400	10	52	7	14000	-5	1550	-2	25	15	1000	12	-1	5	.	-2	15	27
1678	GN050	36.1437	78.7908	1.4	0.1	2	10	1	300	5	16	7	8000	-5	1750	-2	10	7	700	-10	-1	10	.	-2	5	15
1679	GN051	36.2010	78.7538	0.7	0.1	2	20	1	100	-5	8	7	5000	6	800	-2	5	-5	600	-10	-1	-5	.	-2	10	20
1680	GN052	36.1771	78.7159	1.1	0.1	3	32	1.5	200	-5	-5	10	11000	6	650	-2	5	-5	700	15	-1	5	.	-2	-5	25
1681	GN053	36.1716	78.6926	0.7	0.1	3	80	1.5	100	7	12	7	14000	6	400	-2	5	-5	700	17	-1	-5	.	-2	5	15
1682	GN054	36.1730	78.6824	2.1	0.2	3	92	2	100	-5	7	4	19000	7	450	-2	5	-5	700	15	-1	5	.	-2	20	10
1683	GN055	36.1964	78.6314	1.4	-0.1	1	120	2.5	400	7	9	6	20000	13	450	-2	10	5	1000	20	-1	-5	.	-2	10	22
1684	GN056	36.1815	78.5922	1.7	0.1	1	100	1.5	200	-5	7	4	26000	11	1300	3	10	-5	800	12	-1	-5	.	2	15	7
1685	GN057	36.2768	78.6077	1.4	0.1	2	27	1.5	200	5	18	22	4000	-5	1200	-2	5	5	700	12	-1	-5	.	2	-5	22
1686	GN058	36.2376	78.6496	1.0	0.1	0	7	1	200	-5	-5	5	2000	-5	1950	-2	-5	-5	600	-10	-1	-5	.	-2	-5	5
1687	GN059	36.2344	78.6209	0.7	0.1	1	10	1	400	5	22	5	2000	-5	1300	-2	5	-5	600	10	1	-5	.	2	-5	10
1688	GN060	36.2237	78.5737	1.3	-0.1	2	7	1.5	300	5	34	9	7000	5	2600	-2	35	-5	800	17	-1	15	.	2	15	32

HENDERSON 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
1689	GN061	36.2668	78.5861	0.7	-0.1	1	35	1.5	400	5	14	15	5000	-5	2300	-2	25	7	900	20	-1	10	.	3	-5	57
1690	GN062	36.2681	78.5659	1.0	0.1	2	25	1.5	100	-5	29	6	9000	5	1300	-2	25	-5	900	12	-1	5	.	2	-5	15
1691	GN063	36.3146	78.5323	1.1	0.2	2	12	2	200	7	14	7	8000	7	3950	-2	25	5	1000	15	-1	10	.	2	-5	22
1692	GN064	36.3143	78.5619	1.1	-0.1	2	15	1.5	200	-5	18	5	10000	5	1800	-2	40	-5	1000	17	-1	5	.	3	-5	17
1693	GN065	36.3343	78.5937	0.7	0.1	2	17	1.5	100	7	15	7	3000	5	1700	2	5	-5	1000	12	-1	-5	.	-2	10	17
1694	GN066	36.3547	78.5675	1.1	0.1	1	12	1.5	100	5	27	5	3000	5	2100	-2	25	-5	700	-10	-1	10	.	2	5	10
1695	GN067	36.3793	78.5180	1.3	0.2	3	25	1.5	100	-5	34	6	7000	-5	1350	2	5	-5	700	-10	-1	5	.	2	-5	12
1696	GN068	36.4036	78.5488	1.4	-0.1	1	10	1	100	-5	20	7	3000	5	1450	-2	5	-5	800	-10	-1	5	.	-2	-5	15
1697	GN069	36.4281	78.5145	1.0	-0.1	3	22	1	100	7	23	8	3000	8	1200	-2	5	5	800	12	-1	-5	.	2	5	17
1698	GN070	36.4343	78.5427	0.9	-0.1	5	7	1	100	5	27	5	2000	5	1000	-2	15	-5	800	-10	-1	-5	.	2	-5	7
1699	GN071	36.4838	78.5111	0.7	0.2	4	52	1	100	12	65	10	2000	8	1200	-2	5	5	800	10	-1	-5	.	.	-5	17
1703	GN075	36.4825	78.5692	0.3	-0.1	3	7	1	100	7	105	6	1000	7	3050	-2	10	-5	800	-10	-1	10	.	-2	-5	10
1706	GN078	36.4789	78.7015	1.3	0.2	5	10	0.5	100	12	79	8	1000	9	1550	-2	5	5	900	-10	-1	15	.	-2	-5	17
1707	GN079	36.4832	78.7099	0.6	0.2	2	22	1	400	17	75	12	-1000	6	1200	-2	10	7	900	10	-1	10	.	-2	-5	22
1708	GN080	36.3984	78.6810	0.6	0.2	3	10	1	100	-5	22	6	3000	7	1650	-2	5	-5	900	10	-1	10	.	-2	-5	10
1709	GN081	36.4113	78.6906	1.3	0.1	2	10	0.5	100	-5	14	6	2000	8	1850	-2	10	-5	800	-10	-1	-5	.	-2	-5	12
1710	GN082	36.4250	78.7124	0.6	0.2	2	20	1	100	5	33	7	2000	7	1550	-2	5	5	700	-10	-1	-5	.	-2	-5	15
1711	GN083	36.4412	78.7233	0.7	0.2	4	62	1	100	7	34	8	2000	8	1700	-2	5	5	700	12	2	10	.	-2	-5	17
1712	GN084	36.4518	78.7246	0.7	0.3	5	70	1	-100	12	24	10	2000	11	1700	2	15	5	700	15	-1	5	.	-2	-5	25
1713	GN085	36.4527	78.6935	0.4	0.4	7	77	1	100	22	24	15	5000	11	3350	-2	10	17	1100	20	-1	5	.	-2	-5	47
1714	GN086	36.4447	78.6539	0.9	0.1		17	-0.5	100	5	19	6	2000	8	800	2	5	5	800	-10	-1	10	.	-2	-5	15
1715	GN087	36.4630	78.6432	0.9	0.1		10	0.5	100	-5	23	5	1000	7	1700	-2	10	5	800	10	1	5	.	-2	-5	12
1716	GN088	36.4875	78.6169	0.6	0.1	1	35	1	100	-5	30	7	2000	8	2000	-2	20	5	1000	12	-1	-5	.	-2	-5	20
1717	GN089	36.4467	78.5908	0.6	0.1		10	0.5	200	-5	35	5	-1000	7	1000	-2	15	-5	900	-10	-1	-5	.	2	-5	10
1718	GN090	36.4449	78.6106	0.9	0.3	3	42	0.5	100	7	20	7	2000	10	1700	-2	10	5	1000	12	-1	20	.	-2	5	20
1719	GN091	36.4129	78.6051	1.0	0.2	3	72	1.5	-100	12	8	11	3000	20	1300	2	10	5	700	17	-1	-5	.	-2	-5	32
1720	GN092	36.4263	78.6614	0.6	-0.1	2	22	0.5	100	-5	34	3	1000	7	850	-2	20	-5	1000	-10	-1	5	.	-2	-5	10
1721	GN093	36.4333	78.6294	0.8	0.1	1	17	1	100	5	38	5	2000	9	1950	-2	10	-5	800	-10	-1	5	.	2	-5	15
1722	GN094	36.3900	78.6376	1.1	0.1	2	15	1	100	5	27	6	2000	9	1450	-2	25	-5	700	10	-1	15	.	-2	-5	12
1842	HA033	36.2024	78.0078	-0.1	-0.1	0	12	1	100	-5	10	4	3000	8	950	-2	-5	5	500	-10	1	-5	.	-2	5	12
2793	NA032	36.0284	78.1062	4.6	-0.1	1	87	1.5	-100	-5	-5	2	30000	8	500	-2	10	-5	700	-10	2	-5	.	-2	-5	10
2794	NA033	36.0538	78.0978	2.5	-0.1	1	202	1.5	-100	-5	-5	3	30000	6	-200	-2	15	-5	700	-10	1	-5	.	-2	-5	5
2795	NA034	36.0515	78.1052	4.2	-0.1		162	2.5	-100	-5	-5	-2	33000	10	650	-2	15	-5	700	-10	-1	-5	.	-2	-5	7
2796	NA035	36.0751	78.0864	3.9	-0.1	2	97	2.5	-100	-5	-5	2	27000	10	350	-2	15	-5	700	-10	-1	-5	.	-2	-5	5

HENDERSON 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
2797	NA036	36.0758	78.0733	4.7	-0.1	1	255	2	-100	5	9	3	24000	10	550	-2	20	-5	700	-10	-1	5	.	-2	5	7
2798	NA037	36.1165	78.0488	4.4	-0.1		-5	1.5	200	5	5	3	9000	10	3550	-2	25	-5	1000	-10	-1	-5	.	-2	5	7
2799	NA038	36.1047	78.0497	1.7	-0.1	7	-5	1.5	200	-5	6	3	4000	10	1700	-2	40	-5	700	12	2	-5	.	-2	-5	15
2800	NA039	36.1256	78.0251	3.7	-0.1	2	-5	1.5	100	-5	5	4	5000	8	2050	-2	25	5	1000	12	-1	-5	.	-2	10	12
2801	NA040	36.1042	78.0046	2.5	-0.1	3	22	2	100	7	8	4	8000	10	2150	-2	15	-5	1000	12	2	-5	.	-2	15	15
2802	NA041	36.0710	78.0171	0.6	0.1	3	7	2	200	-5	-5	4	6000	9	2650	5	10	5	1000	12	-1	-5	.	-2	15	12
2803	NA042	36.0404	78.0556	0.3	-0.1	0	15	1	100	-5	40	-2	8000	8	500	3	15	-5	900	72	-1	-5	.	3	35	5
2804	NA043	36.0411	78.0592	1.3	-0.1		187	1	-100	-5	6	3	34000	7	1600	-2	25	-5	700	-10	-1	5	.	-2	10	5
2805	NA044	36.0301	78.0772	2.4	-0.1	2	21	1.4	200	-5	-5	4	36000	14	3400	.	10	-5	7003	10		-5	.	-2	15	7
2816	NA055	36.0117	78.0359	0.7	0.1	1	15	0.5	500	7	-5	10	-1000	6	2750	3	40	12	900	12	-1	-5	.	-2	10	12
2817	NA056	36.0087	78.0071	0.6	-0.1	1	7	1	-100	-5	10	6	-1000	10	2050	-2	-5	-5	700	15	-1	-5	.	2	-5	7
2818	NA057	36.0411	78.0124	0.7	-0.1	1	10	1	200	-5	-5	6	2000	9	2550	-2	50	-5	800	27	-1	-5	.	2	5	10
2824	NA063	36.1659	78.0078	0.3	-0.1		7	0.5	200	-5	6	3	-1000	5	900	-2	-5	-5	600	-10	-1	-5	.	-2	-5	7
2952	OR024	36.1130	78.9893	0.9	0.1	3	12	1.5	200	10	-5	11	4000	13	2850	-2	25	-5	1100	10	-1	-5	.	-2	-5	27
2953	OR025	36.0728	78.9762	0.8	0.5	6	12	2	500	7	-5	7	6000	14	3400	-2	25	7	900	20	-1	-5	.	-2	10	40
2954	OR026	36.1357	78.9775	1.6	0.4	4	22	1.5	500	10	-5	14	8000	12	1850	3	25	5	900	12	1	5	.	-2	-5	30
2955	OR027	36.1535	78.9736	0.8	0.3	8	12	1.5	400	12	-5	20	6000	12	3450	-2	20	-5	900	10	3	10	.	2	-5	32
2956	OR028	36.1882	78.9665	1.0	0.2	8	27	2	300	20	-5	12	5000	15	4200	-2	40	5	900	12	-1	-5	.	-2	-5	27
2957	OR029	36.2083	78.9554	1.2	0.2	10	10	1.5	600	10	-5	11	6000	16	3550	2	25	7	1000	15	-1	-5	.	-2	-5	40
2958	OR030	36.2361	78.9604	1.5	0.3	20	7	1.5	500	7	-5	9	12000	17	4000	-2	20	5	1000	12	1	-5	.	-2	5	20
2959	OR031	36.2335	78.9910	1.7	0.2	5	10	1.5	400	10	5	13	4000	14	2900	2	15	5	1100	15	1	-5	.	-2	-5	30
2962	OR034	36.1875	78.9942	0.4	0.3	5	10	1.5	100	10	28	5	2000	10	3000	-2	-5	7	1100	10	1	5	.	2	5	22
3004	PN014	36.4070	78.9931	0.7	0.1	1	-5	0.5	100	-5	6	2	8000	-5	1250	-2	-5	-5	700	-10	-1	10	.	-2	5	5
3010	PN020	36.4840	78.9999	1.2	-0.1		10	0.5	600	-5	8	7	11000	6	4700	-2	5	10	800	-10	-1	10	.	-2	-5	12
3011	PN021	36.4812	78.9792	.	.	0	.	.	.	.	.	.	.	.	.	3	8	.	.	.	-1	47	.	-2	-5	.
3014	PN024	36.4915	78.9446	0.7	0.2	2	27	1	400	7	10	15	4000	7	2050	-2	10	12	900	-10	-1	15	.	-2	-5	25
3015	PN025	36.4721	78.9369	1.4	0.3	2	22	1	400	15	9	14	4000	8	2300	-2	-5	17	1000	10	-1	5	.	-2	10	27
3016	PN026	36.4668	78.9547	1.4	-0.1	2	30	1	600	15	9	21	2000	12	2800	2	10	15	900	12	-1	-5	.	-2	-5	30
3017	PN027	36.4424	78.9785	1.2	0.1		7	0.5	100	-5	5	7	10000	6	1150	2	5	7	800	10	-1	-5	.	-2	5	25
3018	PN028	36.4059	78.9612	1.4	0.1	2	22	0.5	-100	-5	6	2	5000	-5	550	-2	-5	-5	700	-10	-1	5	.	2	5	5
3019	PN029	36.4291	78.9113	1.4	0.2		5	0.5	-100	-5	5	2	8000	6	900	-2	5	5	800	-10	-1	-5	.	-2	-5	10
3020	PN030	36.4401	78.9081	1.3	0.1	2	7	0.5	200	-5	5	4	9000	6	800	-2	5	-5	700	-10	-1	10	.	-2	5	12
3021	PN031	36.4564	78.8764	1.5	0.3	2	17	1	300	5	5	54	5000	13	3000	3	10	10	1000	12	-1	-5	.	-2	5	25
3022	PN032	36.4734	78.8591	1.6	0.2	5	27	1	200	7	22	8	5000	10	3600	-2	-5	7	900	12	-1	-5	.	-2	-5	25

HENDERSON 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
3023	PN033	36.4952	78.8812	1.2	0.2	1	7	0.5	200	-5	20	15	3000	8	2650	-2	10	7	800	-10	-1	-5	.	-2	-5	17
3027	PN037	36.4863	78.8072	0.7	0.2	6	30	1.5	500	12	15	15	4000	14	3100	3	10	12	1000	15	-1	10	.	-2	-5	27
3028	PN038	36.4091	78.8848	1.6	0.2	5	15	0.5	300	5	8	7	6000	9	2450	-2	-5	5	1000	10	-1	5	.	-2	-5	15
3029	PN039	36.4134	78.8767	0.7	0.2	3	12	1	400	10	20	8	4000	10	2000	-2	-5	7	900	10	-1	10	.	-2	-5	25
3030	PN040	36.3883	78.8447	0.6	0.2	1	-5	0.5	200	-5	29	6	3000	9	1550	-2	-5	-5	800	-10	-1	-5	.	-2	-5	12
3031	PN041	36.3581	78.8751	0.7	-0.1	3	17	1	200	-5	15	7	5000	15	1700	-2	5	7	900	-10	-1	-5	.	-2	-5	12
3032	PN042	36.3580	78.8982	0.7	-0.1	5	5	0.5	100	-5	13	4	5000	10	950	-2	5	5	700	-10	-1	10	.	-2	-5	10
3033	PN043	36.3712	78.9418	1.6	0.1	1	-5	0.5	200	-5	8	5	7000	10	1200	2	5	7	1000	-10	-1	-5	.	-2	-5	15
3034	PN044	36.3315	78.9333	1.4	-0.1	2	15	1	300	-5	9	8	6000	16	2350	2	5	7	1000	12	-1	-5	.	-2	5	20
3035	PN045	36.3356	78.9578	1.6	-0.1	9	7	1	200	-5	6	7	7000	9	1400	-2	-5	5	900	-10	-1	-5	.	-2	-5	12
3046	PN056	36.2699	78.9926	0.7	-0.1		-5	0.5	300	-5	5	3	2000	6	2200	3	-5	5	800	-10	1	5	.	-2	-5	10
3047	PN057	36.2571	78.9634	0.7	0.1		-5	1	500	5	8	19	4000	7	4100	-2	-5	7	1000	12	1	5	.	-2	-5	17
3048	PN058	36.2433	78.9347	0.7	0.1	1	17	0.5	100	-5	-5	-2	-1000	5	700	-2	-5	5	700	77	2	-5	.	-2	-5	5
3049	PN059	36.2910	78.9437	1.5	0.1		12	0.5	200	-5	6	12	3000	8	2300	3	-5	5	1000	12	2	-5	.	2	-5	22
3050	PN060	36.2942	78.9281	0.7	0.2		-5	0.5	100	5	11	4	2000	8	2100	3	-5	5	700	-10	-1	10	.	-2	-5	12
3051	PN061	36.2862	78.9187	1.0	0.2	4	-5	0.5	200	-5	11	7	3000	9	2100	2	-5	5	900	-10	2	20	.	3	-5	17
3052	PN062	36.2718	78.8811	0.7	0.1	1	10	1	300	-5	20	8	5000	11	2650	-2	-5	5	700	-10	1	10	.	2	-5	20
3053	PN063	36.2688	78.8881	1.4	0.3	5	72	1	600	7	10	12	7000	5	2050	-2	-5	10	1000	10	1	-5	.	-2	-5	32
3054	PN064	36.2369	78.8742	1.6	-0.1	1	7	0.5	200	-5	13	3	5000	7	1400	2	5	5	800	-10	2	-5	.	2	5	10
3055	PN065	36.2413	78.8886	0.7	0.1	2	5	0.5	200	-5	16	4	6000	10	2750	-2	-5	10	800	-10	1	-5	.	2	5	12
3056	PN066	36.3031	78.8829	0.7	0.1	2	10	0.5	300	-5	13	6	4000	11	1850	-2	-5	-5	900	-10	2	-5	.	2	5	15
3057	PN067	36.3317	78.8888	1.4	0.1	1	-5	0.5	200	-5	13	5	4000	9	1550	3	-5	7	800	-10	1	5	.	-2	-5	12
3058	PN068	36.3035	78.8571	1.4	0.3	5	12	1	400	5	5	7	10000	15	2850	-2	5	7	900	-10	1	-5	.	-2	-5	25
3059	PN069	36.2771	78.8227	0.6	0.1		12	0.5	200	-5	5	4	4000	7	3450	-2	-5	-5	700	-10	1	-5	.	2	-5	12
3060	PN070	36.3002	78.8034	0.6	-0.1	1	25	0.5	200	-5	54	3	4000	7	1350	-2	-5	7	700	-10	1	-5	.	2	10	7
3061	PN071	36.3090	78.8195	0.7	0.1	1	5	0.5	200	5	14	2	6000	5	1250	-2	-5	-5	700	-10	2	-5	.	2	10	10
3062	PN072	36.3194	78.8040	0.7	-0.1	2	-5	0.5	300	5	80	6	3000	8	1550	3	5	5	800	-10	2	-5	.	2	-5	15
3959	VA001	36.4030	78.3590	1.3	0.2	1	72	1	-100	-5	8	2	31000	9	1150	3	25	-5	700	-10	-1	10	.	-2	15	10
3960	VA002	36.3857	78.3190	1.5	-0.1		27	1.5	-100	-5	-5	2	33000	13	450	-2	5	-5	700	10	-1	15	.	-2	5	10
3961	VA003	36.3661	78.3031	1.1	0.2	1	92	1	200	-5	7	8	16000	16	2050	-2	5	7	700	12	2	15	.	-2	5	22
3962	VA004	36.3848	78.3928	1.1	0.1	1	130	1	-100	-5	8	2	30000	10	200	-2	5	-5	600	-10	-1	-5	.	-2	-5	5
3963	VA005	36.3686	78.4082	0.8	-0.1	1	42	0.5	200	-5	9	3	17000	8	850	-2	5	-5	800	12	-1	-5	.	2	10	25
3964	VA006	36.3372	78.3225	1.4	-0.1	1	267	1	-100	-5	-5	2	12000	9	-200	-2	5	-5	800	-10	-1	5	.	-2	-5	10
3965	VA007	36.3226	78.2834	0.9	-0.1		10	0.5	100	-5	7	2	8000	9	2050	-2	35	-5	800	-10	-1	10	.	-2	-5	5

HENDERSON 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
3966	VA008	36.2977	78.2914	2.0	0.1	1	52	1.5	200	-5	7	8	13000	16	2450	-2	10	-5	1000	10	-1	5	.	-2	5	37
3967	VA009	36.3154	78.3190	1.6	-0.1	1	105	1.5	-100	-5	7	5	29000	17	1450	2	5	-5	800	10	-1	5	.	-2	-5	20
3968	VA010	36.2837	78.3434	1.7	-0.1	1	197	1	-100	-5	6	3	34000	10	1100	-2	5	-5	1000	17	-1	10	.	-2	5	17
3969	VA011	36.2855	78.3779	1.2	0.2	2	162	1.5	-100	-5	8	5	27000	10	1050	-2	5	-5	1000	15	-1	10	.	2	-5	17
3970	VA012	36.4432	78.4045	1.1	0.1	1	17	0.5	100	7	9	4	4000	8	1150	-2	5	-5	800	-10	1	-5	.	-2	-5	15
3971	VA013	36.4832	78.4436	1.3	0.1	1	75	1	100	-5	11	4	10000	13	900	-2	5	-5	900	10	1	15	.	-2	-5	15
3974	VA016	36.4947	78.4871	0.7	0.3	1	17	7.5	200	-5	11	10	2000	19	950	-2	5	-5	800	-10	-1	-5	.	10	-5	20
3975	VA017	36.4550	78.5083	0.3	0.1	1	25	0.5	100	-5	21	6	3000	8	1450	-2	10	-5	800	-10	1	15	.	2	-5	15
3976	VA018	36.4574	78.4692	1.6	-0.1	1	32	2	200	-5	10	4	3000	9	2050	-2	10	-5	800	-10	-1	15	.	2	-5	12
3977	VA019	36.4251	78.4591	1.2	-0.1	8	7	-0.5	-100	-5	9	4	1000	9	850	-2	10	-5	800	32	-1	-5	.	-2	5	272
3978	VA020	36.3798	78.5030	0.9	0.2	5	55	1	300	5	22	8	4000	6	600	-2	5	5	800	12	1	-5	.	5	-5	40
3979	VA021	36.3897	78.4871	0.9	0.2	2	10	1.5	200	7	8	7	5000	11	3350	-2	5	5	800	10	-1	15	.	-2	-5	30
3980	VA022	36.3814	78.4460	1.4	-0.1	0	22	0.5	100	-5	9	2	4000	6	700	-2	-5	-5	200	-10	1	5	.	-2	5	5
3981	VA023	36.3567	78.4266	0.7	0.2	0	20	1	100	17	22	5	2000	5	2100	-2	5	5	500	-10	2	10	.	2	-5	10
3982	VA024	36.3249	78.4712	1.2	-0.1	0	80	1.5	200	5	11	3	7000	12	800	-2	-5	-5	800	-10	-1	-5	.	-2	-5	10
3983	VA025	36.3214	78.4577	1.0	-0.1	1	12	0.5	100	-5	6	-2	2000	7	1450	-2	5	-5	400	-10	-1	-5	.	-2	-5	5
3984	VA026	36.3113	78.5034	1.7	-0.1	1	32	0.5	200	-5	8	7	7000	6	1100	-2	10	5	700	-10	-1	15	.	-2	10	30
3985	VA027	36.2742	78.4871	1.1	-0.1	1	17	0.5	200	-5	12	7	3000	6	1150	-2	5	7	700	-10	-1	-5	.	-2	-5	12
3986	VA028	36.3036	78.4512	0.9	-0.1		20	1	200	-5	7	4	2000	-5	1900	2	10	-5	600	-10	2	-5	.	4	-5	12
3987	VA029	36.2849	78.4351	1.0	0.2	1	202	1	100	-5	6	7	12000	11	500	-2	5	-5	500	10	2	10	.	-2	15	40
3988	VA030	36.2734	78.4487	0.7	0.2		55	1.5	200	7	6	22	5000	9	1900	3	-5	5	700	10	-1	-5	.	-2	-5	40
3989	VA031	36.2501	78.4828	0.6	-0.1		30	1	300	-5	5	7	7000	7	2550	-2	5	5	800	-10	-1	-5	.	-2	-5	22
3990	VA032	36.2167	78.4781	1.1	-0.1		25	1	200	5	11	4	5000	6	1150	2	10	5	800	-10	-1	-5	.	-2	5	12
3991	VA033	36.2236	78.4499	1.3	-0.1	0	82	1	100	-5	10	4	15000	8	1450	-2	5	-5	600	-10	8	-5	.	-2	5	12
3992	VA034	36.2452	78.3593	1.7	-0.1	0	192	1	-100	-5	14	3	32000	9	1450	2	5	-5	700	-10	1	15	.	-2	-5	12
3993	VA035	36.2258	78.3903	1.4	-0.1	1	285	1	-100	-5	8	2	28000	9	200	-2	5	-5	600	10	-1	-5	.	-2	5	7
3994	VA036	36.1942	78.4048	1.0	-0.1	0	122	0.5	100	-5	8	-2	24000	6	1200	-2	5	-5	600	-10	-1	-5	.	-2	-5	5
3995	VA037	36.1749	78.4206	1.3	0.2		407	1.5	1000	-5	7	8	21000	6	1450	-2	15	5	1200	-10	-1	-5	.	-2	-5	27
3996	VA038	36.1796	78.4540	1.4	-0.1	1	92	1.5	100	10	12	8	11000	7	2650	-2	15	7	700	10	-1	15	.	-2	10	32
3997	VA039	36.2206	78.4223	1.0	-0.1		170	1	-100	-5	6	6	13000	10	1000	-2	10	-5	700	30	2	-5	.	2	-5	32
3998	VA040	36.2217	78.4121	1.1	-0.1		227	1	-100	-5	7	3	17000	6	-200	-2	5	-5	700	-10	-1	-5	.	2	-5	10
3999	VA041	36.2474	78.4467	3.6	0.5	1	250	3	-100	7	10	23	13000	26	200	2	30	10	700	17	-1	15	.	-2	5	35
4000	VA042	36.2631	78.3908	1.2	-0.1	0	.	.	-100	-5	7	3	.	.	.	-2	5	-5	700	.	-1	.	.	-2	-5	12
4118	WA117	36.0274	78.5989	0.4	0.2	1	22	1	200	10	15	4	4000	5	2500	2	5	-5	1000	-10	-1	15	.	-2	-5	17

HENDERSON 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
4119	WA118	36.0258	78.6138	1.6	0.4	1	17	1	100	7	9	5	4000	6	2350	3	10	7	900	-10	-1	5	.	-2	10	10
4120	WA119	36.0121	78.6230	1.2	0.4	0	120	1.5	300	17	9	7	9000	5	1200	3	15	7	900	-10	-1	-5	.	-2	10	17
4121	WA120	36.0148	78.6271	0.7	0.2	0	22	1	100	10	13	3	3000	5	3000	5	10	-5	800	-10	-1	-5	.	-2	15	7
4122	WA121	36.0426	78.6685	0.7	0.2	0	100	1	400	15	14	4	2000	-5	2750	-2	5	-5	700	-10	-1	5	.	-2	-5	10
4123	WA122	36.0491	78.6680	1.1	0.3		17	0.5	100	10	6	-2	3000	5	1150	4	5	5	800	-10	-1	5	.	-2	5	7
4124	WA123	36.0566	78.6747	1.4	0.3	1	122	1.5	400	25	13	5	11000	6	1900	7	15	10	700	10	-1	-5	.	-2	-5	17
4125	WA124	36.0567	78.7177	1.9	0.3	1	155	1	100	-5	20	-2	28000	6	1100	4	-5	-5	900	-10	-1	5	.	-2	5	5
4127	WA126	36.0030	78.6628	0.8	0.3	0	37	1	400	10	9	4	7000	-5	2000	3	5	-5	1000	12	-1	-5	.	-2	10	15
4349	WR008	36.2583	78.0034	0.7	0.2		17	1	-100	10	10	12	3000	20	2200	2	15	5	700	-10	-1	-5	.	3	5	27
4350	WR009	36.2297	78.0140	0.9	-0.1	0	5	0.5	-100	-5	14	-2	3000	10	1450	-2	5	-5	500	-10	-1	-5	.	-2	-5	12
4351	WR010	36.2304	78.0638	1.0	-0.1		5	1.5	100	-5	17	2	6000	21	2050	2	10	-5	700	-10	6	-5	.	-2	45	7
4352	WR011	36.2170	78.0332	1.3	0.2	1	5	0.5	-100	-5	7	4	2000	12	1700	2	5	-5	700	-10	-1	-5	.	-2	-5	5
4353	WR012	36.2093	78.1042	1.6	-0.1	0	20	1	100	5	10	2	9000	13	750	-2	5	5	700	-10	-1	5	.	-2	45	15
4354	WR013	36.2865	78.0378	0.7	-0.1	1	5	0.5	100	-5	18	-2	7000	15	1750	-2	30	-5	400	-10	-1	-5	.	2	5	-5
4355	WR014	36.2900	78.0124	0.6	-0.1		32	1	200	5	8	2	1000	9	2400	-2	5	5	600	-10	-1	5	.	-2	-5	12
4359	WR018	36.3507	78.0187	1.4	-0.1	5	10	1	200	-5	9	4	8000	10	1600	-2	-5	5	600	-10	-1	-5	.	-2	35	12
4360	WR019	36.3659	78.0185	4.2	-0.1		10	1	100	-5	13	2	6000	11	1350	2	10	-5	1100	-10	2	-5	.	2	895	5
4364	WR023	36.4189	78.0172	3.7	-0.1	1	62	1	-100	5	10	12	9000	31	750	-2	10	5	800	-10	-1	-5	.	-2	-5	15
4365	WR024	36.4021	78.0298	2.4	-0.1	0	12	0.5	100	-5	17	2	9000	11	950	-2	10	-5	1000	-10	-1	-5	.	-2	115	10
4366	WR025	36.4240	78.0457	3.4	-0.1	0	7	0.5	100	-5	11	2	16000	11	1000	-2	10	-5	1000	-10	-1	-5	.	-2	50	10
4367	WR026	36.4250	78.0621	2.5	-0.1	5	-5	0.5	-100	5	21	4	5000	14	1150	-2	35	-5	800	-10	1	-5	.	-2	-5	10
4368	WR027	36.4105	78.0763	3.6	-0.1	0	-5	0.5	100	-5	9	2	8000	10	1850	-2	25	-5	800	-10	-1	5	.	-2	115	7
4369	WR028	36.4073	78.1130	5.7	-0.1	0	42	0.5	100	-5	8	-2	19000	16	1200	-2	5	-5	1100	10	-1	-5	.	-2	95	15
4370	WR029	36.3963	78.1470	2.5	-0.1	0	20	1	-100	-5	10	3	9000	15	2400	-2	20	-5	800	12	-1	-5	.	-2	10	15
4371	WR030	36.3902	78.1350	2.2	-0.1	1	17	0.5	100	5	8	-2	5000	11	1600	-2	10	-5	1000	10	-1	5	.	-2	100	10
4372	WR031	36.3388	78.1130	5.4	-0.1	0	5	-0.5	-100	-5	10	-2	3000	8	700	-2	10	-5	1100	-10	-1	10	.	2	995	5
4373	WR032	36.3508	78.1359	2.2	0.2		27	0.5	100	5	11	3	6000	15	1500	-2	5	-5	800	-10	-1	-5	.	-2	30	12
4374	WR033	36.3452	78.1470	2.5	-0.1	0	40	1	400	7	12	4	5000	8	2850	2	10	7	800	-10	-1	5	.	-2	-5	12
4375	WR034	36.3961	78.1661	2.3	-0.1	0	12	1	100	-5	8	5	14000	14	750	-2	10	-5	800	30	-1	5	.	-2	5	20
4376	WR035	36.3864	78.2134	2.7	-0.1	1	80	-0.5	100	-5	6	4	11000	8	650	-2	5	5	800	10	-1	10	.	2	5	10
4377	WR036	36.3934	78.2008	2.2	-0.1		157	1	100	5	6	5	13000	10	750	-2	30	7	1100	12	-1	5	.	-2	-5	15
4378	WR037	36.3747	78.1679	3.0	-0.1	0	55	1	100	-5	10	5	16000	15	1800	3	-5	5	800	22	-1	-5	.	-2	-5	22
4379	WR038	36.3543	78.1903	2.6	-0.1	0	-5	0.5	100	-5	7	2	6000	8	2000	-2	10	-5	700	-10	-1	15	.	-2	-5	-5
4380	WR039	36.3368	78.1756	2.5	-0.1		37	0.5	200	5	7	3	8000	6	1100	-2	15	-5	800	-10	-1	-5	.	-2	5	10

HENDERSON 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
4381	WR040	36.3081	78.0961	3.1	0.2	0	57	0.5	600	7	6	4	12000	8	850	-2	15	-5	1000	10	-1	-5	.	-2	5	10
4382	WR041	36.3176	78.0890	2.1	0.2	1	-5	1	-100	-5	10	3	5000	16	1050	-2	10	5	1000	-10	-1	15	.	-2	45	7
4383	WR042	36.2948	78.0668	2.1	-0.1	0	20	1.5	200	-5	8	3	7000	12	1150	-2	5	-5	1000	-10	-1	-5	.	-2	10	5
4384	WR043	36.3046	78.0575	4.2	-0.1	0	77	1.5	200	7	10	7	12000	16	1950	-2	10	5	700	15	-1	-5	.	2	-5	22
4385	WR044	36.3075	78.0498	2.5	-0.1	1	22	0.5	200	-5	8	3	5000	8	750	-2	5	-5	600	-10	-1	10	.	-2	-5	-5
4386	WR045	36.2706	78.1314	2.6	0.3	0	95	1	200	10	7	9	9000	15	750	-2	15	5	600	17	-1	-5	.	-2	-5	20
4387	WR046	36.2471	78.1613	2.5	-0.1	0	5	1	100	7	6	5	10000	11	1700	-2	5	5	800	-10	-1	-5	.	-2	10	17
4388	WR047	36.2874	78.1860	2.3	-0.1	0	7	0.5	100	5	-5	2	8000	6	950	-2	5	-5	500	-10	-1	-5	.	-2	-5	5
4389	WR048	36.3286	78.2361	3.9	0.2	1	87	0.5	-100	5	5	3	23000	8	600	-2	5	-5	600	-10	-1	-5	.	-2	15	7
4390	WR049	36.3262	78.2758	2.5	-0.1	1	5	1	-100	-5	6	3	9000	7	800	-2	5	-5	600	-10	-1	-5	.	-2	-5	5
4391	WR050	36.2988	78.2374	3.7	-0.1	1	47	1	100	-5	8	3	10000	10	1200	-2	70	-5	1100	12	-1	5	.	2	70	7
4392	WR051	36.2691	78.2699	4.6	-0.1	1	82	1	100	-5	7	2	17000	10	500	-2	5	5	800	22	-1	-5	.	-2	15	12
4393	WR052	36.4461	78.0872	3.3	-0.1	1	50	1	100	-5	6	2	14000	11	1100	2	4	-5	800	15	-1	-5	.	2	15	20
4394	WR053	36.4657	78.0267	4.5	-0.1		5	0.5	-100	-5	10	2	10000	10	1450	-2	10	-5	800	10	-1	-5	.	2	55	7
4398	WR057	36.4901	78.0888	3.8	-0.1	1	5	0.5	100	-5	6	2	11000	7	1500	-2	5	5	900	-10	-1	-5	.	-2	100	7
4399	WR058	36.4712	78.1237	3.6	-0.1	5	22	0.5	100	5	8	3	20000	12	1100	-2	10	5	900	10	-1	-5	.	-2	100	12
4400	WR059	36.4946	78.1398	3.7	-0.1	1	197	0.5	-100	-5	9	3	21000	11	350	-2	10	-5	900	12	-1	-5	.	-2	10	12
4402	WR061	36.4111	78.2320	2.3	-0.1		7	0.5	-100	-5	7	3	12000	9	1700	-2	15	-5	700	-10	-1	-5	.	2	55	5
4403	WR062	36.3721	78.2348	2.5	0.2	2	80	1.5	100	5	7	4	18000	12	2150	-2	15	-5	700	20	2	-5	.	-2	50	17
4404	WR063	36.3661	78.2250	2.5	-0.1	1	47	1	200	-5	5	2	16000	8	1600	-2	10	-5	800	-10	1	-5	.	-2	10	7
4405	WR064	36.3614	78.2728	2.4	-0.1	2	17	0.5	100	5	17	-2	8000	9	2100	-2	30	-5	800	-10	2	-5	.	-2	15	7
4406	WR065	36.3885	78.2628	2.3	-0.1	1	7	1	-100	-5	9	2	8000	9	1550	4	15	-5	600	-10	1	-5	.	2	10	7
4407	WR066	36.3996	78.2669	2.2	-0.1	1	12	1.5	100	-5	7	4	15000	15	3350	-2	20	-5	800	12	-1	-5	.	-2	85	10
4408	WR067	36.4173	78.2064	3.6	0.2	0	147	1.5	400	-5	8	6	21000	14	2600	-2	10	-5	800	12	2	-5	.	-2	-5	20
4409	WR068	36.4512	78.2522	2.1	-0.1	0	5	1	-100	-5	12	-2	7000	20	2900	10	-5	-5	600	-10	-1	-5	.	-2	24	5
4410	WR069	36.4768	78.2601	2.5	0.3		422	1.5	100	5	8	5	23000	13	1550	-2	10	-5	1100	17	2	-5	.	2	15	30
4411	WR070	36.4839	78.2150	2.4	-0.1	1	5	1	100	-5	6	3	8000	10	3000	-2	5	-5	600	-10	2	-5	.	-2	5	5
4415	WR074	36.4897	78.2434	2.5	-0.1	1	25	1	100	-5	7	-2	18000	8	1850	-2	5	5	700	-10	-1	-5	.	-2	-5	7
4416	WR075	36.4903	78.2586	2.3	-0.1	1	10	1.5	100	-5	6	3	10000	12	1800	-2	20	-5	700	-10	2	-5	.	2	5	7
4418	WR077	36.4952	78.2810	2.3	-0.1	1	17	0.5	-100	-5	10	-2	17000	9	500	-2	5	-5	800	-10	-1	-5	.	2	95	5

SOUTH BOSTON 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
2186	GN537	36.5288	78.5243	6.4	80	0.022	39	4600	.	2120	36	5750	1.0	0.2	19	-0.001
2187	GN538	36.5173	78.5640	6.5	500	0.037	90	15300	.	2610	.	8190	0.7	0.0	34	-0.001
2188	GN539	36.5139	78.6242	7.0	490	0.124	.	30500	.	8580	9	7540	3.0	0.2	17	-0.001
2189	GN540	36.5113	78.6803	7.3	280	0.275	157	17100	.	14240	.	21480	-0.1	0.9	14	-0.001
2190	GN541	36.5039	78.7386	6.3	200	0.052	50	9700	.	8230	62	7870	2.2	0.2	24	-0.001
2191	GN542	36.5096	78.7848	6.2	110	0.043	78	16800	.	8860	62	9680	0.3	0.3	34	-0.001
4103	PN501	36.5160	78.8442	7.2	1150	0.645	.	M	.	M	258	M	-0.1	0.5	.	-0.001
4113	PN511	36.5079	78.9715	7.7	700	3.094	.	49400	.	32620	.	49580	-0.1	4.4	19	-0.001
4114	PN512	36.5141	78.9083	6.8	320	0.822	.	17100	.	5150	173	10500	-0.1	2.5	15	-0.001
5262	VA512	36.5135	78.4663	6.0	182	0.044	10	. M	.	M	14	M	-0.1	0.2	.	0.070
5263	VA513	36.5043	78.4107	6.3	64	0.080	45	M	.	M	33	M	-0.1	1.2	14	-0.001
5270	VA520	36.5054	78.3418	6.1	88	10.380	52	15800	.	3760	4	13200	0.2	117.9	13	-0.001
5490	WR507	36.5055	78.1827	6.0	50	0.043	67	8600	.	2990	.	4550	0.4	0.8	23	-0.001
5493	WR510	36.5167	78.2357	6.7	80	0.070	80	9300	.	.	18	M	0.2	0.8	21	-0.001
5494	WR511	36.5119	78.2958	5.6	65	0.123	52	6100	96	2250	37	6040	0.3	1.8	17	-0.001
5502	WR519	36.5117	78.0718	5.7	30	0.032	56	6300	83	.	15	3420	-0.1	1.0	75	-0.001

HENDERSON 100K QUADRANGLE - GROUNDWATER

Lab #	County ID	Lat	Long	pH	Cond us/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
1652	DR502	36.0119	78.9352	7.9	319	1.706	.	M	.	3950	65	M	-0.1	5.3	.	-0.001
1653	DR503	36.0064	78.8548	6.7	121	0.116	53	12100	.	.	20	M	-0.1	0.9	17	-0.001
1660	DR510	36.0061	78.7435	8.2	880	8.676	163	28000	.	.	.	30480	-0.1	9.8	.	-0.001
1661	DR511	36.0108	78.8002	7.0	123	0.361	64	9300	.	.	.	25490	0.3	2.9	27	-0.001
1662	DR512	36.0524	78.7979	7.1	332	1.954	140	26200	.	.	191	29120	-0.1	5.8	6	-0.001
1663	DR513	36.0583	78.8527	7.5	350	1.705	48	8600	.	13490	.	13470	4.9	4.8	10	-0.001
1664	DR514	36.0522	78.8992	7.0	600	1.544	376	62900	.	60440	.	26200	1.3	2.5	13	-0.001
1665	DR515	36.0568	78.9635	7.0	70	0.089	.	5700	.	.	25	4250	0.2	1.2	35	-0.001
1666	DR516	36.0943	78.9602	7.3	220	0.073	.	9900	.	6190	.	8800	-0.1	0.3	21	-0.001
1667	DR517	36.1004	78.9070	6.7	149	0.166	.	8500	.	3360	5	7630	0.2	1.1	21	-0.001
1668	DR518	36.0999	78.8661	7.3	250	0.463	105	12300	.	7940	.	13150	0.9	1.8	19	-0.001
1669	DR519	36.1502	78.8187	7.1	420	0.081	20	14100	.	11220	282	17550	-0.1	0.1	15	-0.001
1670	DR520	36.1384	78.8575	7.6	498	0.541	83	16500	.	3970	274	11290	-0.1	1.0	17	-0.001
1671	DR521	36.1882	78.8492	6.7	80	0.038	45	5500	.	1180	45	4980	0.3	0.4	16	-0.001
1672	DR522	36.2328	78.8555	6.5	139	0.008	13	15100	.	3260	.	14210	-0.1	0.0	23	-0.001
1673	DR523	36.2302	78.9047	6.7	190	0.099	.	10200	.	7250	.	8970	-0.1	0.5	58	-0.001
1674	DR524	36.1935	78.9086	7.0	261	0.048	.	13200	.	11190	79	7530	0.5	0.1	20	-0.001
1675	DR525	36.1479	78.9052	6.7	200	0.026	.	11100	.	.	66	7080	-0.1	0.1	22	-0.001
1676	DR526	36.1404	78.9637	7.4	322	0.208	28	6900	.	.	86	12640	1.0	0.6	11	-0.001
2026	FR501	36.0969	78.2830	6.2	139	0.322	72	11800	.	.	5	15890	-0.1	2.3	26	-0.001
2027	FR502	36.0563	78.2523	6.1	52	0.961	11	5400	.	200	1	4390	-0.1	18.4	25	0.070
2028	FR503	36.0590	78.1801	5.2	201	0.641	42	21000	.	.	353	16250	-0.1	3.1	49	0.170
2029	FR504	36.0489	78.1285	6.4	80	0.555	.	5600	.	990	10	5210	-0.1	6.9	15	-0.001
2030	FR505	36.0067	78.1839	5.8	384	0.569	.	18800	.	.	28	16880	-0.1	1.4	12	-0.001
2032	FR507	36.0157	78.2362	5.2	62	0.603	.	7600	.	.	46	8600	-0.1	9.7	34	0.080
2040	FR515	36.0054	78.2946	5.8	64	1.120	31	6200	.	450	8	5210	-0.1	17.5	9	0.100
2041	FR516	36.0510	78.2977	6.3	52	0.394	.	5000	.	.	2	5740	0.4	7.5	17	-0.001
2042	FR517	36.0571	78.3575	7.0	75	0.377	11	5700	71	1340	9	5430	0.8	5.0	36	-0.001
2043	FR518	36.0500	78.4082	6.6	67	0.515	8	7000	.	.	11	4800	-0.1	7.6	13	-0.001
2044	FR519	36.0052	78.4134	6.0	55	0.449	.	5200	.	430	7	5510	-0.1	8.1	17	0.040
2046	FR521	36.0120	78.3530	6.7	96	0.305	13	M	.	.	16	200	-0.1	3.1	13	-0.001
2047	FR522	36.0112	78.4627	5.9	33	0.412	.	5000	.	.	7	2220	-0.1	12.4	10	-0.001
2048	FR523	36.0534	78.4547	7.3	620	1.068	27	8900	.	14110	.	34220	-0.1	1.7	41	-0.001
2049	FR524	36.0589	78.5104	6.4	51	0.290	.	3800	.	.	11	1980	-0.1	5.6	19	0.160

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Lab #	County ID	Lat	Long	pH	Cond uw/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
2050	FR525	36.0992	78.5260	8.9	130	1.021	3	2800	18	840	.	3840	1.2	7.8	38	-0.001
2051	FR526	36.0970	78.4706	6.3	161	0.411	231	13400	.	2580	348	5080	-0.1	2.5	10	0.220
2052	FR527	36.1446	78.4527	6.6	122	0.143	24	8900	.	2550	.	6830	2.3	1.1	7	-0.001
2053	FR528	36.1330	78.4099	6.6	48	0.082	16	3900	63	.	8	3910	0.5	1.7	7	-0.001
2054	FR529	36.0989	78.4072	6.4	42	0.063	9	M	.	M	1	M	-0.1	1.5	8	-0.001
2055	FR530	36.1037	78.3525	6.5	78	0.048	20	3900	.	1450	.	4330	0.3	0.6	27	-0.001
2056	FR531	36.1479	78.3444	6.5	47	0.371	.	4500	.	.	5	3240	0.3	7.8	10	-0.001
2057	FR532	36.1466	78.2950	6.0	107	1.288	.	6100	.	1290	.	6300	0.3	12.0	9	-0.001
2058	FR533	36.1917	78.2966	6.2	49	0.701	.	6100	.	.	9	3370	-0.1	14.3	12	-0.001
2059	FR534	36.1894	78.3444	5.8	111	0.488	.	16600	.	900	50	10850	-0.1	4.4	10	-0.001
2060	FR535	36.2364	78.2987	6.8	132	0.965	14	6800	.	.	11	3320	0.3	7.3	15	-0.001
2061	FR536	36.0993	78.2351	6.7	70	1.485	.	4100	49	1360	10	5410	0.2	21.2	12	-0.001
2062	FR537	36.1454	78.2396	5.6	45	0.293	19	6400	.	1000	43	3100	-0.1	6.5	59	0.080
2063	FR538	36.1978	78.2358	6.3	128	0.477	.	5700	48	3600	.	7320	0.5	3.7	13	-0.001
2064	FR539	36.2424	78.2410	6.3	73	0.462	8	3600	60	1000	30	1560	-0.1	6.3	18	0.070
2065	FR540	36.2304	78.1823	5.8	31	0.236	12	4900	.	.	26	2130	-0.1	7.6	15	-0.001
2066	FR541	36.1895	78.1803	6.5	91	0.463	.	5100	.	620	12	3480	0.2	5.0	15	0.030
2067	FR542	36.1482	78.1844	6.3	68	8.733	.	3200	.	.	18	5320	-0.1	128.4	12	0.030
2068	FR543	36.1911	78.1274	6.0	60	0.696	.	5400	.	.	6	4610	-0.1	11.6	8	-0.001
2069	FR544	36.1923	78.0692	5.2	338	0.658	.	15900	.	800	51	14980	-0.1	1.9	161	0.200
2070	FR545	36.1436	78.0728	5.9	68	0.136	.	8200	.	1360	.	5100	-0.1	2.0	12	0.110
2071	FR546	36.1454	78.1337	5.7	147	0.189	26	7100	.	.	26	6460	-0.1	1.2	25	0.080
2072	FR547	36.1025	78.1339	5.5	600	0.827	.	45500	.	.	.	35940	-0.1	1.3	.	-0.001
2073	FR548	36.1003	78.1823	5.1	87	0.500	29	7400	.	.	25	7240	-0.1	5.7	31	-0.001
2150	GN501	36.2822	78.5728	5.8	90	-0.002	.	M	.	M	.	M	-0.1	0.0	.	-0.001
2151	GN502	36.2482	78.5688	7.0	600	0.040	139	13300	119	5840	41	11240	3.3	0.0	56	-0.001
2152	GN503	36.2292	78.5185	6.4	99	1.318	.	19200	.	4740	9	5480	-0.1	13.3	19	-0.001
2153	GN504	36.2709	78.5314	6.4	240	0.044	50	6500	57	.	24	6810	1.8	0.1	18	-0.001
2154	GN505	36.1900	78.5219	6.8	48	0.234	75	7800	129	5390	.	12390	0.4	4.8	19	-0.001
2155	GN506	36.2010	78.5810	5.4	22	0.042	62	5800	63	2090	.	2430	0.6	1.9	15	-0.001
2156	GN507	36.1425	78.5760	6.0	172	0.025	53	6500	.	890	12	2020	-0.1	0.1	17	0.120
2157	GN508	36.1400	78.5188	5.1	52	0.124	.	27700	.	.	21	18340	-0.1	2.3	19	-0.001
2158	GN509	36.1025	78.5860	5.7	135	0.152	68	10600	.	.	52	5040	-0.1	1.1	29	-0.001
2159	GN510	36.0519	78.5771	6.9	153	0.773	64	19400	.	.	30	13310	-0.1	5.0	19	-0.001

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Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
2160	GN511	36.0537	78.6249	5.6	35	0.366	58	5800	78	.	38	5610	1.8	10.4	17	-0.001
2161	GN512	36.0872	78.6265	7.1	375	0.045	50	5400	.	1190	10	M	0.1	0.1	21	-0.001
2162	GN513	36.0925	78.6924	5.4	98	50.110	86	12400	.	3660	.	21560	5.8	511.3	.	-0.001
2163	GN514	36.0980	78.7367	4.6	83	0.665	91	13700	.	2080	15	12940	0.3	8.0	58	-0.001
2164	GN515	36.0912	78.7770	7.7	280	0.581	57	15800	.	.	42	8260	-0.1	2.0	84	-0.001
2165	GN516	36.1817	78.7713	5.5	90	3.870	.	6800	.	.	.	45080	-0.1	43.0	17	-0.001
2166	GN517	36.1853	78.7440	6.3	200	0.088	39	13400	.	.	36	8750	-0.1	0.4	530	0.150
2167	GN518	36.2427	78.7317	5.8	89	0.455	103	8000	.	1640	61	7400	-0.1	5.1	45	-0.001
2168	GN519	36.2838	78.7280	5.6	102	0.039	59	12400	.	1870	34	8420	0.6	0.3	70	-0.001
2169	GN520	36.2827	78.6818	6.8	270	0.032	72	13700	.	1900	.	8300	-0.1	0.1	24	-0.001
2170	GN521	36.2893	78.6256	6.1	245	0.055	55	9900	.	14150	.	12970	5.2	0.2	19	-0.001
2171	GN522	36.2350	78.6185	6.3	90	0.034	50	23700	.	5830	.	13350	-0.1	0.3	11	-0.001
2172	GN523	36.1869	78.6212	8.1	340	0.194	55	6000	.	450	13	2190	0.7	0.5	17	-0.001
2173	GN524	36.1420	78.6310	6.9	270	2.104	.	7700	.	1910	.	20750	-0.1	7.7	3	-0.001
2174	GN525	36.1507	78.6770	4.6	75	-0.002	.	M	.	M	.	M	-0.1	0.0	3	-0.001
2175	GN526	36.1852	78.6810	4.6	282	0.558	114	16600	.	.	63	8110	-0.1	1.9	144	0.240
2176	GN527	36.1458	78.7216	5.9	72	0.529	293	14000	.	.	154	M	-0.1	7.3	159	-0.001
2177	GN528	36.2752	78.7976	7.1	351	0.055	65	7900	.	1650	1	7520	0.4	0.1	29	-0.001
2178	GN529	36.2473	78.6903	7.0	610	1.337	129	M	.	M	105	M	-0.1	2.1	48	-0.001
2179	GN530	36.4223	78.7916	6.1	90	0.135	122	20500	.	12090	.	6750	-0.1	1.5	28	-0.001
2180	GN531	36.4666	78.7882	6.8	330	0.025	56	8600	.	1250	17	4990	-0.1	0.0	30	-0.001
2181	GN532	36.3149	78.5162	6.7	75	0.167	81	23200	.	5840	280	10330	-0.1	2.2	17	-0.001
2182	GN533	36.3759	78.5219	7.0	250	0.027	33	4600	.	4060	29	5070	0.5	0.1	17	-0.001
2183	GN534	36.4127	78.5204	6.9	600	0.745	130	22000	.	14710	195	19140	-0.1	1.2	46	-0.001
2184	GN535	36.4597	78.5661	6.7	270	0.048	.	27900	.	9190	.	9140	-0.1	0.1	12	-0.001
2185	GN536	36.4709	78.5226	7.0	90	0.028	86	10500	.	11790	.	14730	-0.1	0.3	17	-0.001
2192	GN543	36.3658	78.7917	6.2	90	0.034	52	12200	.	1560	11	8310	-0.1	0.3	42	-0.001
2193	GN544	36.3222	78.7411	6.3	140	0.034	.	6300	89	3020	9	7000	0.2	0.2	18	-0.001
2194	GN545	36.3357	78.7919	5.9	80	0.018	89	17100	.	5060	47	12350	0.3	0.2	30	-0.001
2195	GN546	36.3197	78.6857	5.9	100	0.025	56	8400	.	2460	.	5870	-0.1	0.2	26	-0.001
2196	GN547	36.3235	78.6276	6.2	50	0.038	13	10200	.	.	8	9620	-0.1	0.7	15	-0.001
2197	GN548	36.3290	78.5707	6.6	80	0.032	14	4000	.	870	7	3720	0.3	0.4	16	-0.001
2198	GN549	36.3695	78.5684	6.8	230	0.013	.	9400	.	.	73	6740	5.6	0.0	30	-0.001
2199	GN550	36.4281	78.5622	6.9	290	-0.002	55	15200	.	.	64	8160	0.3	0.0	30	-0.001

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2200	GN551	36.4593	78.6221	5.5	210	-0.002	54	40700	.	.	75	15850	0.3	0.0	177	-0.001
2201	GN552	36.4127	78.6214	7.5	330	0.083	37	6900	18	.	59	8000	-0.1	0.2	37	-0.001
2202	GN553	36.3614	78.6240	6.3	80	-0.002	26	8300	16	.	48	5140	0.5	0.0	47	-0.001
2203	GN554	36.3704	78.6871	6.3	75	-0.002	38	5300	.	.	44	5240	0.6	0.0	35	-0.001
2204	GN555	36.4153	78.6956	6.5	230	0.003	19	8300	18	.	53	8620	-0.1	0.0	21	-0.001
2205	GN556	36.4585	78.6830	6.8	160	-0.002	15	8500	.	.	73	4630	0.6	0.0	36	-0.001
2206	GN557	36.4641	78.7305	7.5	440	0.201	.	8600	.	.	98	10510	1.0	0.4	33	-0.001
2207	GN558	36.4189	78.7406	6.4	110	-0.002	18	7700	35	.	76	5350	0.3	0.0	40	-0.001
2208	GN559	36.3594	78.7306	7.7	320	1.655	.	5700	343	.	68	11220	-0.1	5.1	44	-0.001
3560	NA527	36.0481	78.0045	5.8	40	-0.002	12	5300	.	.	109	3810	-0.1	0.0	40	-0.001
3561	NA528	36.0572	78.0839	5.8	120	-0.002	.	11200	.	.	62	7100	0.2	0.0	34	-0.001
3562	NA529	36.0059	78.1160	6.5	138	0.348	20	5300	25	.	72	6350	1.2	2.5	38	-0.001
3566	NA533	36.0104	78.0698	6.1	45	-0.002	.	M	.	M	.	M	-0.1	0.0	.	-0.001
3567	NA534	36.0015	78.0070	6.3	70	-0.002	.	5300	.	.	64	4980	-0.1	0.0	53	-0.001
3588	NA555	36.0972	78.0041	6.9	102	0.007	.	7700	.	.	37	4360	-0.1	0.0	23	-0.001
3589	NA556	36.0924	78.0707	6.6	200	-0.002	.	26100	.	3580	.	13570	-0.1	0.0	50	0.100
3590	NA557	36.1476	78.0061	6.6	80	-0.002	.	9000	.	.	156	5570	-0.1	0.0	25	-0.001
3810	OR505	36.1990	78.9618	6.7	173	0.026	.	16000	.	4910	35	M	-0.1	0.1	59	-0.001
3811	OR506	36.2379	78.9685	5.7	59	0.025	43	7100	.	.	26	5430	-0.1	0.4	20	-0.001
4104	PN502	36.4683	78.8572	6.5	100	0.010	12	5700	.	3430	.	7280	0.2	0.1	15	-0.001
4105	PN503	36.4126	78.9604	5.9	45	0.011	59	6500	.	390	4	M	-0.1	0.2	15	-0.001
4115	PN513	36.4675	78.9181	6.4	120	0.012	29	11300	.	4380	39	4990	0.8	0.1	29	-0.001
4116	PN514	36.4542	78.9546	6.2	130	-0.002	33	7600	.	6490	11	4510	-0.1	0.0	36	-0.001
4119	PN517	36.4202	78.9003	6.4	40	0.036	.	5600	.	430	7	3720	-0.1	0.9	16	-0.001
4120	PN518	36.4189	78.8391	7.5	400	0.053	95	13500	.	21520	402	7970	1.7	0.1	10	0.110
4121	PN519	36.3604	78.9841	5.7	140	0.044	74	14800	.	.	38	12900	-0.1	0.3	38	0.250
4122	PN520	36.3191	78.9610	6.3	100	0.012	.	7900	.	2760	.	5820	-0.1	0.1	26	-0.001
4131	PN529	36.3761	78.9114	6.3	68	0.062	7	4500	58	1910	13	3710	-0.1	0.9	89	-0.001
4132	PN530	36.3724	78.8382	7.4	198	0.095	.	5800	59	.	24	5180	0.4	0.4	30	-0.001
4134	PN532	36.3315	78.8465	6.5	210	0.043	87	14100	145	22270	91	M	-0.1	0.2	20	0.050
4135	PN533	36.2807	78.9693	6.2	60	0.035	.	4800	.	1710	15	5350	-0.1	0.5	15	-0.001
4136	PN534	36.2800	78.9048	6.4	248	0.024	20	15100	.	10190	.	8410	1.0	0.1	22	0.100
4137	PN535	36.3203	78.9048	7.3	1225	0.141	330	64300	.	6560	247	12110	-0.1	0.1	.	-0.001
4138	PN536	36.2867	78.8375	5.9	72	0.013	23	7800	.	540	17	6550	0.2	0.1	14	-0.001

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Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
5251	VA501	36.3266	78.4572	6.8	111	0.162	.	4500	100	.	9	5830	1.5	1.4	17	-0.001
5252	VA502	36.2798	78.4505	6.4	94	0.045	28	7500	.	.	6	7920	0.2	0.4	15	-0.001
5253	VA503	36.2359	78.4690	6.0	60	0.046	20	5500	.	.	20	4950	0.7	0.7	12	-0.001
5254	VA504	36.1889	78.4534	6.0	109	0.038	18	5200	.	.	.	7280	-0.1	0.3	29	-0.001
5255	VA505	36.1940	78.4158	5.8	125	0.265	23	5900	.	1960	26	7210	0.2	2.1	15	-0.001
5256	VA506	36.2413	78.4057	5.8	52	0.027	.	9600	.	2180	.	7270	0.3	0.5	14	-0.001
5257	VA507	36.2782	78.4057	4.6	441	0.159	29	6300	.	.	7	3690	-0.1	0.3	11	-0.001
5258	VA508	36.3163	78.4156	5.7	100	1.154	.	2800	.	.	.	2380	-0.1	11.5	121	0.570
5259	VA509	36.3628	78.4624	6.0	160	1.900	111	9800	.	.	7	8110	-0.1	11.8	19	0.060
5260	VA510	36.4179	78.4557	6.1	102	0.190	47	7100	.	4410	58	11070	-0.1	1.8	30	-0.001
5261	VA511	36.4580	78.4676	5.8	323	0.095	.	6000	.	1620	.	7400	1.3	0.2	13	-0.001
5264	VA514	36.4551	78.4172	6.7	170	0.068	19	5000	74	200	1	4970	0.6	0.4	16	-0.001
5265	VA515	36.4175	78.4125	6.1	135	0.088	12	12900	.	4980	63	6160	0.9	0.6	9	-0.001
5266	VA516	36.3707	78.4109	7.2	600	0.099	.	29900	.	4110	104	16940	-0.1	0.1	26	-0.001
5267	VA517	36.3762	78.3488	5.5	52	0.674	91	21000	.	8160	.	7820	0.4	12.9	17	0.050
5268	VA518	36.4191	78.3562	7.0	235	0.005	.	M	.	M	.	M	-0.1	0.0	4	-0.001
5269	VA519	36.4671	78.3376	6.4	238	4.943	40	5700	245	2600	99	9680	-0.1	20.7	19	0.110
5271	VA521	36.3759	78.2966	6.4	60	0.305	.	10500	89	1210	.	8330	0.3	5.0	14	-0.001
5272	VA522	36.3211	78.2955	5.9	38	0.439	12	5500	68	1180	13	3450	0.5	11.5	14	-0.001
5273	VA523	36.3290	78.3535	7.4	228	0.192	.	5400	.	1380	19	1440	-0.1	0.8	14	-0.001
5274	VA524	36.2859	78.3495	6.1	50	0.656	43	4500	190	4750	155	8800	-0.1	13.1	20	0.070
5275	VA525	36.2388	78.3407	6.4	132	0.122	29	5600	48	.	9	4350	0.1	0.9	14	0.030
5324	WA549	36.0031	78.5258	6.7	60	0.365	19	5100	65	1670	12	4220	1.4	6.0	11	-0.001
5325	WA550	36.0063	78.5824	6.8	50	0.061	.	5900	.	1610	.	3590	0.4	1.2	26	-0.001
5330	WA555	36.0074	78.6293	6.3	70	0.067	.	6300	.	.	17	3460	0.3	0.9	13	-0.001
5331	WA556	36.0526	78.6928	6.6	200	-0.002	.	12600	.	2480	21	9840	1.0	0.0	24	-0.001
5332	WA557	36.0433	78.7536	6.9	390	-0.002	196	26100	84	5030	37	22460	4.0	0.0	42	-0.001
5333	WA558	36.0029	78.6934	6.7	490	0.165	112	47400	.	17320	.	14030	1.7	0.3	34	-0.001
5484	WR501	36.4166	78.2949	6.0	70	0.217	.	M	.	.	31	170	0.3	3.1	135	-0.001
5485	WR502	36.4224	78.2399	6.5	50	0.028	71	15200	.	2780	23	8160	-0.1	0.5	25	-0.001
5486	WR503	36.4211	78.1764	5.6	55	0.145	49	6100	48	1440	8	4610	0.9	2.6	19	-0.001
5487	WR504	36.4206	78.1156	7.2	160	0.209	49	7600	.	870	44	2850	-0.1	1.3	97	-0.001
5488	WR505	36.4617	78.1320	6.3	120	1.090	35	3900	96	1650	135	9550	-0.1	9.0	.	-0.001
5489	WR506	36.4973	78.1212	6.2	50	0.167	76	17300	.	1370	30	13910	-0.1	3.3	18	-0.001

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Lab #	County ID	Lat	Long	pH	Cond um/cm	U ppb	Br ppb	Cl ppb	F ppb	Mg ppb	Mn ppb	Na ppb	V ppb	U/cond x1000	Al ppb	Dy ppb
5491	WR508	36.4626	78.1757	6.1	50	0.385	50	6800	130	.	15	3800	-0.1	7.7	40	-0.001
5492	WR509	36.4754	78.2311	5.7	70	0.156	58	5800	.	.	.	4960	0.3	2.2	19	-0.001
5495	WR512	36.4558	78.3028	5.3	45	0.069	67	9200	.	1480	20	4300	-0.1	1.5	34	-0.001
5496	WR513	36.3646	78.2397	5.7	40	0.093	64	8200	.	630	15	4110	-0.1	2.3	52	0.110
5497	WR514	36.3784	78.1847	6.6	80	0.033	77	7300	.	.	38	4370	0.1	0.4	60	0.070
5498	WR515	36.3738	78.1071	6.6	50	0.257	73	6400	.	.	14	4360	1.6	5.1	25	-0.001
5499	WR516	36.3770	78.0563	7.2	90	0.040	50	5900	.	1050	13	1510	0.8	0.4	21	-0.001
5500	WR517	36.4306	78.0431	6.0	40	0.131	47	7900	80	.	10	4460	0.4	3.2	27	-0.001
5501	WR518	36.4630	78.0604	6.0	35	0.153	46	6600	.	1290	17	2310	-0.1	4.3	18	-0.001
5503	WR520	36.4971	78.0249	5.7	35	0.015	.	M	.	M	.	M	-0.1	0.4	4	-0.001
5504	WR521	36.4615	78.0065	6.3	40	0.039	64	8300	.	.	13	3120	-0.1	0.9	16	-0.001
5508	WR525	36.4196	78.0045	6.1	80	0.044	26	M	.	M	4	M	-0.1	0.5	392	-0.001
5509	WR526	36.3676	78.0112	6.2	80	0.037	58	10900	.	2820	16	4650	-0.1	0.4	47	0.070
5512	WR529	36.2903	78.0164	6.1	160	1.069	54	4600	26	1480	10	1770	1.1	6.6	27	0.060
5514	WR531	36.3296	78.0070	6.0	50	0.030	56	7200	.	1400	64	2520	-0.1	0.6	35	-0.001
5515	WR532	36.2824	78.0718	6.1	50	0.031	52	6400	.	710	52	2560	-0.1	0.6	18	-0.001
5516	WR533	36.3255	78.0583	6.7	90	0.047	48	6100	.	.	14	1480	-0.1	0.5	17	0.050
5517	WR534	36.3257	78.1232	6.6	100	0.355	44	6800	.	830	18	2060	2.0	3.5	20	0.120
5518	WR535	36.3304	78.1797	7.0	80	0.088	72	9500	.	.	67	5580	0.2	1.1	162	0.050
5519	WR536	36.3304	78.2338	6.6	70	0.451	.	5100	66	.	26	3940	2.3	6.4	17	-0.001
5520	WR537	36.2808	78.2338	6.3	75	0.426	57	6700	19	1290	.	5240	0.4	5.6	17	-0.001
5521	WR538	36.2784	78.2985	5.8	55	0.262	77	7800	.	2800	5	3620	0.5	4.7	18	-0.001
5522	WR539	36.2948	78.1842	7.3	200	0.111	61	8500	.	1980	14	4580	-0.1	0.5	17	0.050
5523	WR540	36.2849	78.1246	6.5	50	0.927	47	5700	.	7480	5	6490	7.3	18.5	20	-0.001
5524	WR541	36.2416	78.1100	6.2	90	0.205	21	5600	.	.	8	1960	-0.1	2.2	41	-0.001
5525	WR542	36.2293	78.0611	6.7	100	0.124	59	6600	.	850	8	3480	0.3	1.2	23	0.050
5526	WR543	36.2311	78.0141	7.1	90	0.044	.	5200	61	.	26	4290	3.7	0.4	17	1.760