



Supplement Figure 1. Outcrop photographs of detrital zircon samples. (A) Metasedimentary host rock to eclogite in Fig. 3, sample 12-8 at hammer, St. Cyr area. (B) Samples 12-22 and (C) 12-25 also host eclogite in the St. Cyr area. (D) Sample 12-67 is a non-eclogite bearing, crenulated quartz-mica schist from the westernmost thrust slice in the St. Cyr area. (E) Quartz-mica schist sample 12-72 from Last Peak. (F) Quartzite layer (12-75) adjacent to eclogite at Ross River. Pocket knife is 9 cm long, hammer head is approximately 18 cm and tip of pen is 3 cm.

See also:

Table DR1. LA-ICP-MS U/Pb Geochronologic Data and Apparent Ages
http://www.geosociety.org/datarepository/2017109_TableDR1

Table DR1. LA-ICP-MS U/Pb Geochronologic Data and Apparent Ages

Grain #	U (ppm)	206Pb 204Pb	Th/U	Isotope ratios							Apparent ages (Ma)							Best age (Ma)	Conc (%)
				206Pb* 207Pb*	± (%)	207Pb* 235U*	± (%)	206Pb* 238U	± (%)	error corr.	206Pb* 238U*	± (Ma)	207Pb* 235U	± (Ma)	206Pb* 207Pb*	± (Ma)			
Sample 12-75 - Ross River				UTM: Zone 08V 0616954 6884198 (n=81/102)															
26	238	107,105	0.003	19.2247	1.1	0.2987	1.3	0.0417	0.8	0.57	263	2	265	3	286	25	263	2	NA
87	175	82,835	0.64	19.1446	0.9	0.3598	1.7	0.0500	1.5	0.86	314	5	312	5	296	20	314	5	NA
77	134	57,307	0.77	17.9668	1.6	0.4626	3.2	0.0603	2.8	0.86	377	10	386	10	439	36	377	10	NA
32	199	136,416	0.62	18.0513	0.8	0.5171	1.7	0.0677	1.5	0.89	422	6	423	6	428	17	422	6	99
11	712	430,592	0.46	17.8528	1.2	0.5240	1.8	0.0679	1.4	0.76	423	6	428	6	453	26	423	6	93
63	139	66,350	0.72	18.0949	0.9	0.5323	3.4	0.0699	3.3	0.96	435	14	433	12	423	21	435	14	103
23	320	649,092	0.88	18.0041	0.7	0.5364	1.2	0.0700	1.0	0.79	436	4	436	4	434	16	436	4	101
72	339	146,174	0.22	18.1101	0.9	0.5484	2.5	0.0720	2.3	0.93	448	10	444	9	421	20	448	10	106
44	226	73,534	0.97	18.1403	0.8	0.5599	4.1	0.0737	4.0	0.98	458	18	451	15	417	19	458	18	110
38	62	50,006	0.50	17.6417	0.9	0.5889	1.3	0.0753	1.0	0.75	468	4	470	5	479	19	468	4	98
46	239	102,961	0.94	17.0406	0.7	0.7149	2.3	0.0884	2.2	0.95	546	12	548	10	555	16	546	12	98
88	70	99,057	0.39	16.3491	1.2	0.9080	3.5	0.1077	3.3	0.94	659	21	656	17	645	26	659	21	102
21	71	26,775	0.42	15.1640	1.8	1.1130	2.2	0.1224	1.3	0.59	744	9	760	12	805	37	744	9	93
69	157	199,527	0.07	14.1361	1.1	1.4899	3.1	0.1527	2.9	0.94	916	25	926	19	950	22	950	22	96
70	236	710,121	0.59	14.1021	1.0	1.5689	6.8	0.1605	6.8	0.99	959	60	958	42	955	20	955	20	100
65	341	1,190,963	0.08	14.0631	0.9	1.5971	1.9	0.1629	1.7	0.88	973	15	969	12	961	18	961	18	101
31	130	248,176	0.42	13.9801	1.1	1.5945	2.0	0.1617	1.6	0.84	966	15	968	12	973	22	973	22	99
98	422	1,320,936	1.78	13.9015	1.1	1.5778	4.5	0.1591	4.3	0.97	952	38	962	28	984	22	984	22	97
53	120	243,779	0.70	13.9003	0.8	1.6277	2.9	0.1641	2.8	0.96	979	25	981	18	984	17	984	17	100
24	64	153,299	0.43	13.6086	0.8	1.7424	1.3	0.1720	1.0	0.80	1023	10	1024	8	1027	16	1027	16	100
94	135	184,630	1.70	13.5705	1.0	1.8625	3.0	0.1833	2.8	0.94	1085	28	1068	20	1033	20	1033	20	105
89	27	28,465	0.78	13.4479	0.6	1.7758	1.0	0.1732	0.8	0.79	1030	8	1037	7	1051	12	1051	12	98
76	154	129,681	1.66	13.4141	0.9	1.9102	2.8	0.1858	2.6	0.95	1099	27	1085	19	1056	18	1056	18	104
17	39	57,204	1.23	13.2329	0.7	1.8167	1.8	0.1744	1.7	0.92	1036	16	1052	12	1084	15	1084	15	96
34	137	145,777	1.18	13.2088	0.8	1.8397	1.6	0.1762	1.3	0.85	1046	13	1060	10	1087	17	1087	17	96
1	143	189,543	0.36	13.1670	0.8	1.8621	1.3	0.1778	1.0	0.77	1055	10	1068	9	1094	17	1094	17	96
78	354	558,385	0.41	12.9070	1.5	2.0263	3.7	0.1897	3.4	0.91	1120	35	1124	25	1133	30	1133	30	99
52	89	145,640	0.50	12.8851	0.8	2.1010	1.8	0.1963	1.6	0.90	1156	17	1149	12	1137	15	1137	15	102
96	60	96,555	0.72	12.8814	0.5	2.1022	1.1	0.1964	1.0	0.90	1156	11	1150	8	1137	10	1137	10	102
50	165	273,588	0.58	12.8486	1.2	2.0629	3.9	0.1922	3.6	0.95	1133	38	1137	26	1143	25	1143	25	99
7	29	103,240	0.32	12.7955	0.7	2.0249	2.2	0.1879	2.1	0.95	1110	21	1124	15	1151	14	1151	14	96
100	373	658,176	0.27	12.5974	0.6	2.1047	2.9	0.1923	2.9	0.98	1134	30	1150	20	1182	12	1182	12	96
28	87	205,075	0.53	12.4652	0.7	2.3082	1.2	0.2087	1.0	0.82	1222	11	1215	9	1202	14	1202	14	102
6	178	303,684	0.34	12.3159	0.5	2.3530	0.8	0.2102	0.5	0.71	1230	6	1228	6	1226	11	1226	11	100

27	186	330,707	0.50	12.2669	0.9	2.3932	1.4	0.2129	1.1	0.78	1244	12	1241	10	1234	17	1234	17	101
90	380	442,816	0.73	12.2010	1.5	2.1503	2.4	0.1903	1.9	0.77	1123	19	1165	17	1245	30	1245	30	90
56	78	116,598	0.62	12.1410	0.5	2.4269	3.0	0.2137	2.9	0.99	1249	33	1251	21	1254	10	1254	10	100
19	108	209,180	0.50	12.0268	0.9	2.4994	1.7	0.2180	1.5	0.86	1271	17	1272	12	1273	17	1273	17	100
20	71	139,297	0.28	11.7295	0.8	2.6088	2.4	0.2219	2.3	0.94	1292	27	1303	18	1321	15	1321	15	98
49	360	654,183	0.52	11.4521	0.8	2.6497	1.6	0.2201	1.4	0.88	1282	17	1315	12	1368	15	1368	15	94
64	206	663,268	0.82	11.4192	0.8	2.7450	0.9	0.2273	0.3	0.36	1321	4	1341	7	1373	16	1373	16	96
8	293	382,688	0.61	11.2580	1.2	2.8528	1.5	0.2329	0.8	0.54	1350	10	1370	11	1400	24	1400	24	96
67	86	507,627	0.64	10.8733	0.6	3.2695	1.6	0.2578	1.5	0.94	1479	20	1474	13	1467	11	1467	11	101
62	233	643,694	0.57	10.8431	0.8	3.3637	7.8	0.2645	7.7	0.99	1513	104	1496	61	1472	15	1472	15	103
41	70	399,502	0.63	10.6983	0.5	3.5552	1.8	0.2759	1.7	0.95	1570	23	1540	14	1497	10	1497	10	105
81	423	1,895,770	0.34	10.6951	1.6	3.3641	2.7	0.2609	2.2	0.80	1495	29	1496	21	1498	31	1498	31	100
5	208	545,631	0.79	10.6920	0.9	3.2990	1.3	0.2558	1.0	0.73	1468	13	1481	10	1499	17	1499	17	98
74	50	101,290	4.01	10.6650	0.6	3.3986	2.3	0.2629	2.2	0.97	1505	30	1504	18	1503	11	1503	11	100
30	83	92,627	1.23	10.0683	0.7	3.9427	1.2	0.2879	1.0	0.82	1631	14	1622	10	1611	13	1611	13	101
14	160	200,619	1.30	9.9986	1.2	3.8649	4.9	0.2803	4.7	0.97	1593	67	1606	39	1624	23	1624	23	98
18	103	305,313	1.78	9.9224	0.9	3.8488	1.3	0.2770	1.0	0.74	1576	13	1603	10	1639	16	1639	16	96
82	87	57,806	1.19	9.8960	0.7	4.1758	2.0	0.2997	1.9	0.94	1690	28	1669	16	1643	12	1643	12	103
66	80	114,550	0.98	9.8821	0.8	3.9985	2.4	0.2866	2.3	0.95	1624	33	1634	20	1646	15	1646	15	99
59	118	371,314	0.89	9.8499	1.0	4.1408	1.4	0.2958	0.9	0.64	1671	13	1662	11	1652	19	1652	19	101
42	210	1,346,409	0.43	9.8478	1.3	4.1933	1.6	0.2995	1.0	0.63	1689	15	1673	13	1653	23	1653	23	102
48	177	259,186	0.39	9.8429	1.0	4.0621	2.6	0.2900	2.4	0.93	1641	35	1647	21	1653	18	1653	18	99
22	123	227,257	0.85	9.6715	0.6	4.0684	1.7	0.2854	1.6	0.93	1618	23	1648	14	1686	12	1686	12	96
60	104	110,110	0.67	9.6641	1.1	4.1217	1.6	0.2889	1.3	0.76	1636	18	1659	13	1687	20	1687	20	97
75	90	183,851	0.68	9.4379	0.6	4.4338	1.8	0.3035	1.7	0.94	1709	26	1719	15	1731	11	1731	11	99
55	273	631,210	0.58	8.9445	1.2	4.8453	2.6	0.3143	2.3	0.89	1762	35	1793	22	1829	22	1829	22	96
13	276	1,180,625	0.56	8.9358	1.8	4.5800	2.0	0.2968	0.8	0.40	1676	12	1746	17	1831	33	1831	33	92
12	95	173,730	0.75	8.8951	0.5	5.0739	0.9	0.3273	0.7	0.77	1825	10	1832	7	1839	10	1839	10	99
9	156	963,848	0.71	8.8734	1.0	5.0003	1.5	0.3218	1.1	0.76	1799	18	1819	13	1843	18	1843	18	98
29	308	1,267,006	1.26	8.8516	1.5	4.9874	1.8	0.3202	1.1	0.59	1791	17	1817	15	1848	26	1848	26	97
57	89	244,729	0.41	8.7579	0.7	5.4189	1.6	0.3442	1.4	0.90	1907	24	1888	14	1867	13	1867	13	102
68	97	1,134,772	1.17	8.6947	1.1	5.6288	3.2	0.3550	3.0	0.94	1958	51	1921	28	1880	19	1880	19	104
45	51	150,511	1.06	8.5298	1.0	5.6348	1.9	0.3486	1.6	0.86	1928	27	1921	16	1915	17	1915	17	101
15	230	448,916	0.45	8.5232	1.3	5.5249	1.9	0.3415	1.4	0.72	1894	23	1904	17	1916	24	1916	24	99
35	358	922,281	0.24	8.3340	1.6	5.2350	3.2	0.3164	2.8	0.86	1772	43	1858	28	1956	29	1956	29	91
37	30	183,056	1.44	8.1467	0.5	6.5041	1.1	0.3843	1.0	0.87	2096	17	2046	10	1997	9	1997	9	105
33	31	71,674	0.73	8.1357	0.7	6.2145	1.2	0.3667	1.0	0.84	2014	17	2006	10	1999	12	1999	12	101
71	59	176,382	1.28	8.1087	0.7	6.5085	3.0	0.3828	3.0	0.97	2089	53	2047	27	2005	13	2005	13	104
91	59	203,863	0.65	6.2011	1.2	10.1802	2.1	0.4579	1.7	0.82	2430	34	2451	19	2469	20	2469	20	98
39	154	847,190	0.35	5.7735	0.7	11.8527	2.9	0.4963	2.8	0.97	2598	61	2593	27	2589	12	2589	12	100
43	154	873,310	0.73	5.5706	0.9	11.6480	2.8	0.4706	2.6	0.95	2486	55	2577	26	2648	15	2648	15	94

85	51	396,921	1.22	5.5278	0.6	13.4683	1.7	0.5400	1.6	0.93	2783	36	2713	16	2661	10	2661	10	105
40	226	1,419,738	1.18	5.2417	1.9	13.7048	2.9	0.5210	2.2	0.75	2703	48	2730	28	2749	31	2749	31	98
83	312	1,518,513	0.50	5.1627	1.5	14.6642	2.8	0.5491	2.4	0.85	2821	55	2794	27	2774	24	2774	24	102
2	22	92,157	0.63	4.1178	0.8	20.5167	1.7	0.6127	1.5	0.89	3081	37	3116	17	3139	12	3139	12	98
86	57	231,998	0.53	3.9551	3.0	23.1252	4.2	0.6633	3.0	0.70	3280	76	3232	41	3203	47	3203	47	102

Rejected analyses

54	338	176,918	0.72	16.9997	3.1	0.5767	6.9	0.0711	6.2	0.89	443	26	462	26	561	68	443	26	79
36	545	55,410	1.12	17.2185	2.3	0.5784	2.6	0.0722	1.3	0.49	450	6	463	10	533	50	450	6	84
51	183	294,068	0.03	17.1750	4.4	0.5982	6.9	0.0745	5.3	0.77	463	24	476	26	538	96	463	24	86
4	644	241,951	0.11	13.1466	1.6	1.6444	2.7	0.1568	2.2	0.81	939	19	987	17	1097	32	1097	32	86
25	274	231,288	0.54	12.8831	0.6	1.8035	2.1	0.1685	2.0	0.95	1004	19	1047	14	1137	13	1137	13	88
99	63	106,699	0.48	12.7347	0.7	2.3651	1.7	0.2184	1.5	0.90	1274	18	1232	12	1160	15	1160	15	110
73	173	185,183	0.42	12.5467	3.0	1.7379	9.3	0.1581	8.8	0.95	946	78	1023	60	1190	58	1190	58	80
80	375	17,208	0.39	12.1442	2.1	1.3339	7.0	0.1175	6.7	0.95	716	45	861	41	1254	41	1254	41	57
79	145	368,827	0.53	11.3478	0.9	3.1325	2.1	0.2578	1.8	0.90	1479	24	1441	16	1385	17	1385	17	107
16	513	356,746	0.44	10.9885	4.1	2.1711	5.0	0.1730	2.9	0.57	1029	27	1172	35	1447	78	1447	78	71
92	694	695,925	0.04	10.7761	1.7	2.8025	1.8	0.2190	0.3	0.19	1277	4	1356	13	1484	33	1484	33	86
95	325	305,917	0.94	10.1491	1.4	3.3083	2.1	0.2435	1.5	0.74	1405	19	1483	16	1596	26	1596	26	88
93	144	102,624	0.20	9.7817	25.2	2.1721	32.0	0.1541	19.7	0.61	924	169	1172	226	1665	474	1665	474	55
3	743	1,484,481	0.42	8.8771	2.1	4.4610	2.6	0.2872	1.5	0.59	1628	22	1724	22	1843	38	1843	38	88
97	393	206,290	0.94	6.2437	3.2	5.6954	36.7	0.2579	36.6	1.00	1479	485	1931	328	2457	54	2457	54	60
84	221	993,803	0.34	5.3046	3.3	9.9870	4.4	0.3842	2.9	0.66	2096	51	2434	40	2729	54	2729	54	77
47	463	2,147,621	0.40	5.0951	12.9	12.2865	13.1	0.4540	2.2	0.17	2413	44	2627	123	2795	212	2795	212	86

Sample 12-72 - Last Peak UTM: Zone 08V 0530082 6830966 (n=70/101)

78	248	78,278	0.19	9.2230	0.4	4.4211	1.8	0.2957	1.7	0.98	1670	26	1716	15	1773	6	1773	6	94
85	180	40,216	0.27	9.2197	0.4	4.4018	1.4	0.2943	1.4	0.96	1663	20	1713	12	1774	7	1774	7	94
1	74	149,565	0.62	9.2190	0.5	4.7007	1.8	0.3143	1.7	0.95	1762	26	1767	15	1774	10	1774	10	99
51	174	86,882	0.48	9.2024	0.3	4.4160	2.3	0.2947	2.3	0.99	1665	33	1715	19	1777	6	1777	6	94
36	82	147,553	0.59	9.1822	0.4	4.7623	1.3	0.3171	1.2	0.94	1776	19	1778	11	1781	8	1781	8	100
57	186	94,462	0.65	9.1697	0.2	4.7134	0.7	0.3135	0.7	0.96	1758	11	1770	6	1784	3	1784	3	99
29	142	230,345	0.47	9.1541	0.3	4.8280	0.8	0.3205	0.7	0.92	1792	11	1790	7	1787	6	1787	6	100
23	110	182,348	0.43	9.1387	0.4	4.8628	1.1	0.3223	1.0	0.92	1801	16	1796	9	1790	8	1790	8	101
75	73	66,262	0.49	9.1316	0.5	4.8388	3.2	0.3205	3.2	0.99	1792	50	1792	27	1791	10	1791	10	100
7	114	265,544	0.88	8.9514	0.6	5.0268	1.2	0.3264	1.1	0.89	1821	17	1824	10	1827	10	1827	10	100
15	77	159,294	0.98	8.9107	0.3	5.1250	3.7	0.3312	3.7	1.00	1844	60	1840	32	1836	6	1836	6	100
24	61	240,837	0.51	8.8033	0.7	5.2245	1.5	0.3336	1.3	0.88	1856	21	1857	12	1858	12	1858	12	100
73	86	166,680	1.53	8.7942	0.7	5.1923	1.4	0.3312	1.2	0.85	1844	19	1851	12	1860	13	1860	13	99

60	60	41,346	2.13	8.7848	1.2	5.2074	1.6	0.3318	1.1	0.69	1847	18	1854	14	1861	21	1861	21	99
4	57	126,048	1.18	8.7763	0.9	5.2506	1.6	0.3342	1.3	0.82	1859	21	1861	13	1863	16	1863	16	100
35	126	46,960	0.35	8.7653	0.4	4.8223	2.9	0.3066	2.9	0.99	1724	44	1789	25	1865	7	1865	7	92
31	68	69,603	0.64	8.7594	0.8	5.1894	1.2	0.3297	0.9	0.74	1837	15	1851	11	1867	15	1867	15	98
12	105	541,503	0.78	8.7563	0.6	5.3075	1.4	0.3371	1.2	0.90	1873	20	1870	12	1867	11	1867	11	100
48	70	95,647	0.54	8.7471	0.9	4.8604	2.1	0.3083	1.9	0.91	1733	29	1795	18	1869	16	1869	16	93
71	181	305,779	0.69	8.7413	0.3	5.1938	2.4	0.3293	2.3	0.99	1835	37	1852	20	1870	6	1870	6	98
17	60	67,072	1.06	8.7352	0.9	5.0732	3.5	0.3214	3.4	0.97	1797	54	1832	30	1872	16	1872	16	96
33	155	272,104	0.79	8.7274	0.4	5.2702	2.0	0.3336	2.0	0.98	1856	32	1864	17	1873	7	1873	7	99
22	21	59,702	1.30	8.7255	1.0	5.3918	1.7	0.3412	1.3	0.79	1893	22	1884	14	1874	19	1874	19	101
47	42	185,009	0.83	8.7197	0.9	5.2600	2.5	0.3326	2.3	0.92	1851	36	1862	21	1875	17	1875	17	99
82	90	145,560	1.15	8.5552	0.3	5.5138	1.5	0.3421	1.5	0.99	1897	25	1903	13	1909	5	1909	5	99
69	44	48,036	1.18	8.5477	1.2	5.1289	1.9	0.3180	1.5	0.79	1780	23	1841	16	1911	21	1911	21	93
84	51	102,065	0.58	8.5416	0.8	5.5338	1.9	0.3428	1.7	0.90	1900	27	1906	16	1912	15	1912	15	99
87	75	166,566	0.68	8.5122	0.5	5.5944	2.4	0.3454	2.4	0.98	1912	40	1915	21	1918	9	1918	9	100
67	192	141,725	0.22	8.4443	0.2	5.1088	2.8	0.3129	2.8	1.00	1755	43	1838	24	1933	4	1933	4	91
18	27	67,644	1.38	8.2251	2.2	5.6947	3.2	0.3397	2.3	0.72	1885	38	1931	28	1980	40	1980	40	95
66	33	92,817	1.34	8.2053	1.3	5.9989	2.5	0.3570	2.1	0.86	1968	36	1976	21	1984	22	1984	22	99
55	128	260,083	0.64	8.1972	0.4	5.8353	1.0	0.3469	0.9	0.92	1920	16	1952	9	1986	7	1986	7	97
63	122	322,381	1.04	8.1810	0.4	6.0836	1.5	0.3610	1.4	0.95	1987	24	1988	13	1989	8	1989	8	100
8	218	232,457	0.26	8.1659	0.2	5.9369	0.8	0.3516	0.7	0.98	1942	13	1967	7	1992	3	1992	3	97
72	63	107,401	0.97	8.1200	0.5	6.1200	1.3	0.3604	1.2	0.92	1984	20	1993	11	2002	9	2002	9	99
16	101	142,266	1.95	8.1143	0.5	6.1226	1.1	0.3603	1.0	0.88	1984	16	1993	10	2004	9	2004	9	99
96	73	196,727	0.75	7.7931	0.6	6.5994	3.8	0.3730	3.8	0.99	2044	66	2059	34	2075	10	2075	10	98
97	90	168,676	0.78	7.7709	0.5	6.3826	2.0	0.3597	1.9	0.97	1981	33	2030	18	2080	9	2080	9	95
37	115	246,060	0.43	7.4920	0.3	7.2339	1.0	0.3931	0.9	0.95	2137	17	2141	9	2144	5	2144	5	100
91	188	47,272	0.61	7.3943	0.2	7.2762	0.9	0.3902	0.9	0.98	2124	16	2146	8	2167	3	2167	3	98
25	92	148,479	1.44	7.3885	0.3	7.2982	1.2	0.3911	1.2	0.96	2128	21	2149	11	2168	6	2168	6	98
30	121	34,714	0.71	6.8494	0.3	7.8385	1.2	0.3894	1.2	0.97	2120	21	2213	11	2300	5	2300	5	92
61	176	195,046	0.53	6.8433	0.2	8.2877	4.0	0.4113	4.0	1.00	2221	75	2263	36	2301	4	2301	4	97
94	56	117,085	0.54	6.7735	0.4	8.9145	1.3	0.4379	1.2	0.95	2341	23	2329	11	2319	7	2319	7	101
11	170	258,940	0.63	6.7659	0.1	8.4774	1.2	0.4160	1.2	0.99	2242	22	2284	11	2321	2	2321	2	97
34	74	8,193	0.58	6.7338	0.7	8.5082	1.2	0.4155	1.0	0.83	2240	19	2287	11	2329	12	2329	12	96
54	145	354,212	0.94	6.6918	0.6	8.6907	1.6	0.4218	1.5	0.92	2269	29	2306	15	2339	11	2339	11	97
3	101	198,727	0.66	6.1837	0.1	10.2129	1.6	0.4580	1.6	1.00	2431	33	2454	15	2474	2	2474	2	98
39	188	476,285	0.45	6.1175	0.7	9.9146	1.9	0.4399	1.7	0.92	2350	33	2427	17	2492	13	2492	13	94
46	29	91,031	1.07	5.9249	0.8	10.7478	1.7	0.4618	1.5	0.89	2448	31	2502	16	2546	13	2546	13	96
80	211	313,324	0.65	5.7826	0.3	11.3352	4.4	0.4754	4.3	1.00	2507	90	2551	41	2586	5	2586	5	97
95	124	625,575	0.47	5.7592	0.3	11.1251	1.5	0.4647	1.4	0.97	2460	29	2534	14	2593	6	2593	6	95
52	98	223,614	0.53	5.7347	0.3	11.7631	0.9	0.4892	0.9	0.96	2567	18	2586	8	2600	4	2600	4	99
40	187	411,250	0.62	5.7325	0.3	11.5014	1.8	0.4782	1.7	0.98	2519	36	2565	17	2601	6	2601	6	97

5	83	215,295	0.53	5.7193	0.3	12.0718	1.5	0.5007	1.5	0.97	2617	31	2610	14	2605	6	2605	6	100
83	114	212,709	0.45	5.7000	0.2	12.0608	0.8	0.4986	0.8	0.97	2608	16	2609	7	2610	3	2610	3	100
38	13	38,504	0.92	5.6872	1.5	11.7906	2.0	0.4863	1.3	0.66	2555	27	2588	18	2614	24	2614	24	98
62	79	134,979	0.57	5.6356	0.2	12.0672	1.5	0.4932	1.5	0.99	2585	32	2610	14	2629	3	2629	3	98
14	47	210,507	0.81	5.5318	0.3	12.6668	1.7	0.5082	1.7	0.98	2649	37	2655	16	2660	5	2660	5	100
79	120	14,266	0.67	5.5181	0.9	12.1594	2.4	0.4866	2.2	0.93	2556	47	2617	23	2664	15	2664	15	96
89	47	244,592	0.65	5.5110	0.5	12.6919	1.5	0.5073	1.5	0.94	2645	31	2657	14	2666	8	2666	8	99
13	17	54,055	1.49	5.5045	0.9	12.2692	3.0	0.4898	2.8	0.95	2570	60	2625	28	2668	16	2668	16	96
19	75	306,721	0.79	5.4771	0.7	12.9133	1.8	0.5130	1.7	0.93	2669	37	2673	17	2676	11	2676	11	100
90	89	255,278	1.21	5.4738	0.2	12.8838	1.8	0.5115	1.8	0.99	2663	39	2671	17	2677	4	2677	4	99
10	37	18,876	1.25	5.4732	0.6	12.3063	1.1	0.4885	0.9	0.83	2564	18	2628	10	2678	10	2678	10	96
43	57	312,320	0.99	5.4530	0.3	13.0060	1.6	0.5144	1.5	0.98	2675	34	2680	15	2684	6	2684	6	100
68	77	207,455	1.17	5.4508	0.2	12.6249	2.1	0.4991	2.0	0.99	2610	44	2652	19	2684	4	2684	4	97
49	46	101,817	0.48	5.3899	0.6	13.0775	0.9	0.5112	0.7	0.77	2662	16	2685	9	2703	10	2703	10	98
44	73	155,267	0.99	5.3597	0.3	13.3886	1.0	0.5204	0.9	0.95	2701	20	2707	9	2712	5	2712	5	100
65	65	232,323	0.73	5.2589	0.3	13.5690	2.6	0.5175	2.5	0.99	2689	56	2720	24	2743	5	2743	5	98

Rejected analyses

53	17	7,106	1.05	17.7621	16.3	0.6801	16.6	0.0876	3.3	0.20	541	17	527	68	464	363	541	17	117
81b	419	18,555	0.25	9.4118	0.8	2.7373	3.0	0.1868	2.9	0.96	1104	30	1339	23	1736	15	1736	15	64
27	301	13,325	0.19	9.1975	2.5	3.6215	6.0	0.2416	5.5	0.91	1395	69	1554	48	1778	45	1778	45	78
76	196	6,505	0.51	9.0307	1.0	2.6885	13.8	0.1761	13.8	1.00	1046	133	1325	102	1811	18	1811	18	58
26	246	4,935	1.12	8.9734	0.8	3.7094	5.4	0.2414	5.3	0.99	1394	66	1573	43	1823	15	1823	15	76
2	146	17,222	1.37	8.9334	0.6	4.1928	4.6	0.2717	4.6	0.99	1549	63	1673	38	1831	11	1831	11	85
100	136	39,143	0.74	8.9038	1.3	4.3326	7.8	0.2798	7.7	0.99	1590	109	1700	65	1837	23	1837	23	87
98	84	106,009	0.83	8.8179	0.8	4.5735	2.6	0.2925	2.4	0.95	1654	35	1744	21	1855	15	1855	15	89
93	81	53,567	0.86	8.7409	1.0	3.9813	4.0	0.2524	3.9	0.97	1451	50	1630	32	1871	18	1871	18	78
32	383	129,023	0.20	8.5403	0.3	3.9789	3.2	0.2465	3.2	1.00	1420	41	1630	26	1912	5	1912	5	74
70	161	49,351	0.79	8.4766	0.5	4.9853	1.8	0.3065	1.8	0.97	1723	27	1817	16	1926	8	1926	8	89
64	141	49,033	1.45	8.4585	0.3	4.7123	4.4	0.2891	4.4	1.00	1637	63	1769	37	1930	6	1930	6	85
88	258	99,044	0.66	8.3729	0.4	4.4729	2.2	0.2716	2.2	0.98	1549	30	1726	19	1948	7	1948	7	80
81a	601	9,161	0.72	8.0365	0.8	2.4539	5.3	0.1430	5.2	0.99	862	42	1259	38	2021	15	2021	15	43
58	231	38,120	0.46	7.7516	0.8	4.0913	20.0	0.2300	20.0	1.00	1335	241	1653	164	2084	13	2084	13	64
59	274	13,401	0.37	7.1624	1.1	5.1235	11.0	0.2661	11.0	0.99	1521	149	1840	94	2222	20	2222	20	68
99	301	18,185	0.58	7.0917	0.8	5.7543	3.4	0.2960	3.3	0.97	1671	49	1940	30	2240	14	2240	14	75
21	273	103,995	0.36	6.9062	0.5	7.3570	1.5	0.3685	1.4	0.94	2022	25	2156	14	2285	9	2285	9	88
92	213	69,567	0.53	6.8343	0.7	7.5627	1.6	0.3749	1.4	0.90	2052	25	2180	14	2303	12	2303	12	89
50	203	52,481	0.54	6.7695	0.4	7.7216	1.1	0.3791	1.0	0.94	2072	18	2199	9	2320	6	2320	6	89
9	27	33,809	2.14	6.6628	1.4	7.8194	2.4	0.3779	2.0	0.83	2066	36	2210	22	2347	23	2347	23	88
74	262	6,096	0.88	6.4727	1.2	6.6222	7.7	0.3109	7.6	0.99	1745	116	2062	68	2396	20	2396	20	73
20	90	50,335	0.37	6.4675	0.4	6.2493	5.7	0.2931	5.7	1.00	1657	83	2011	50	2398	7	2398	7	69

86	199	61,896	0.65	6.2606	0.5	7.4717	3.7	0.3393	3.7	0.99	1883	60	2170	33	2453	8	2453	8	77
28	298	5,220	0.30	6.0877	0.5	8.5763	2.6	0.3787	2.5	0.98	2070	45	2294	24	2500	9	2500	9	83
41	410	151,422	0.37	6.0409	0.2	9.0634	1.2	0.3971	1.2	0.98	2156	21	2344	11	2513	4	2513	4	86
56	282	2,774	0.58	5.8510	4.4	6.7387	5.9	0.2860	3.9	0.66	1621	56	2078	52	2567	74	2567	74	63
42	303	103,436	0.33	5.8038	0.8	9.0804	5.6	0.3822	5.5	0.99	2087	99	2346	51	2580	13	2580	13	81
45	197	5,057	0.71	5.6788	1.5	7.8226	24.4	0.3222	24.4	1.00	1800	383	2211	223	2616	25	2616	25	69
6	225	5,478	0.50	5.5234	1.3	6.5536	5.4	0.2625	5.2	0.97	1503	70	2053	47	2662	22	2662	22	56
77	107	216,123	0.87	5.4049	0.4	11.4674	6.7	0.4495	6.7	1.00	2393	134	2562	63	2698	7	2698	7	89

Sample 12-08 - St Cyr

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(n=49/104)

30	788	30,216	0.005	19.1517	2.7	0.3004	4.8	0.0417	4.0	0.83	264	10	267	11	295	61	264	10	NA
39	872	398,800	0.004	19.2018	0.7	0.3037	1.7	0.0423	1.6	0.92	267	4	269	4	289	15	267	4	NA
28	1389	364,737	0.009	19.2328	0.5	0.3075	2.1	0.0429	2.0	0.97	271	5	272	5	285	11	271	5	NA
84	368	66,421	0.004	19.4809	2.6	0.3056	3.0	0.0432	1.6	0.52	272	4	271	7	256	59	272	4	NA
70	310	43,170	0.006	19.1518	1.8	0.3122	2.7	0.0434	2.0	0.74	274	5	276	7	295	42	274	5	NA
20	368	109,514	0.004	19.3183	2.4	0.3131	3.1	0.0439	2.0	0.65	277	6	277	8	275	54	277	6	NA
34	1149	127,936	0.007	19.2509	1.0	0.3190	2.3	0.0445	2.1	0.90	281	6	281	6	283	24	281	6	NA
98	204	35,501	0.39	19.0787	2.9	0.3709	4.2	0.0513	3.1	0.72	323	10	320	12	304	67	323	10	NA
73	252	51,131	0.52	18.7829	2.2	0.3872	2.3	0.0527	0.9	0.37	331	3	332	7	339	49	331	3	NA
67	228	27,199	0.56	18.7784	2.2	0.3893	2.8	0.0530	1.8	0.64	333	6	334	8	340	49	333	6	NA
8	733	562,922	0.05	18.6827	0.8	0.3922	1.0	0.0531	0.6	0.63	334	2	336	3	351	17	334	2	NA
26b	1188	9,927	0.04	18.4616	1.6	0.3971	1.8	0.0532	0.8	0.43	334	3	340	5	378	37	334	3	NA
74	491	102,198	0.02	18.6823	1.1	0.3962	1.6	0.0537	1.1	0.74	337	4	339	4	351	24	337	4	NA
62	378	159,472	0.11	18.6599	1.4	0.4019	1.7	0.0544	1.1	0.61	341	3	343	5	354	31	341	3	NA
37	525	130,338	0.32	18.8181	1.1	0.3996	1.4	0.0545	0.9	0.62	342	3	341	4	335	25	342	3	NA
76	977	50,857	0.38	18.5749	0.9	0.4112	1.9	0.0554	1.7	0.88	348	6	350	6	364	21	348	6	NA
25	910	718,937	0.14	18.7081	0.6	0.4094	1.0	0.0555	0.8	0.81	348	3	348	3	348	13	348	3	NA
99	1127	8,230	0.06	18.2896	2.0	0.4260	2.3	0.0565	1.2	0.51	354	4	360	7	399	44	354	4	NA
13	669	264,731	0.36	18.5055	0.9	0.4259	1.6	0.0572	1.3	0.84	358	5	360	5	373	19	358	5	NA
36	954	164,004	0.52	18.6493	0.5	0.4241	0.7	0.0574	0.4	0.65	360	1	359	2	355	11	360	1	NA
93	307	161,455	0.03	18.2946	2.3	0.4421	2.9	0.0587	1.7	0.61	367	6	372	9	398	51	367	6	NA
94	1038	165,678	0.03	18.5322	1.9	0.4374	2.4	0.0588	1.5	0.62	368	5	368	8	369	43	368	5	NA
49a	931	345,232	0.03	18.4490	0.6	0.4563	2.3	0.0611	2.2	0.96	382	8	382	7	379	14	382	8	NA
15	297	106,536	0.58	18.0752	1.0	0.5176	4.1	0.0679	3.9	0.97	423	16	424	14	425	22	423	16	100
87b	535	203,606	0.23	16.9686	0.7	0.7480	1.1	0.0921	0.8	0.75	568	4	567	5	565	16	568	4	101
79	482	291,569	0.31	16.2821	0.6	0.8568	1.4	0.1012	1.3	0.91	621	8	628	7	654	13	621	8	95
41	165	202,364	0.15	14.1680	1.1	1.4498	1.6	0.1490	1.2	0.77	895	10	910	10	945	22	945	22	95
19	234	254,851	0.06	14.1031	0.6	1.5705	1.0	0.1606	0.8	0.81	960	7	959	6	955	12	955	12	101
22	183	128,461	0.21	13.5672	0.5	1.7128	1.1	0.1685	0.9	0.87	1004	9	1013	7	1033	11	1033	11	97

75	291	797,687	0.13	12.5986	0.5	2.0426	1.4	0.1866	1.3	0.94	1103	14	1130	10	1181	10	1181	10	93
95	218	424,859	0.78	11.6901	0.5	2.7636	1.7	0.2343	1.7	0.96	1357	20	1346	13	1328	9	1328	9	102
72	219	254,675	0.40	11.4790	1.0	2.8953	3.0	0.2410	2.8	0.94	1392	35	1381	22	1363	19	1363	19	102
18	119	26,164	0.64	10.6452	1.2	3.3128	1.3	0.2558	0.6	0.46	1468	8	1484	10	1507	22	1507	22	97
92	284	773,114	0.32	9.9653	0.2	3.8019	1.3	0.2748	1.3	0.99	1565	18	1593	11	1631	4	1631	4	96
9	98	166,226	0.16	9.9337	0.8	3.9827	1.1	0.2869	0.7	0.68	1626	10	1631	9	1636	14	1636	14	99
24	46	76,185	0.85	9.9195	1.4	4.0727	1.9	0.2930	1.4	0.72	1657	20	1649	16	1639	25	1639	25	101
7	104	133,091	1.09	9.8928	0.6	3.9946	2.2	0.2866	2.1	0.96	1625	30	1633	18	1644	12	1644	12	99
89	157	235,580	0.49	9.3274	0.4	4.4643	1.3	0.3020	1.2	0.96	1701	18	1724	10	1753	7	1753	7	97
31	112	204,954	0.68	9.2315	0.5	4.4849	1.8	0.3003	1.7	0.97	1693	26	1728	15	1771	8	1771	8	96
80	98	180,036	0.83	9.1501	0.7	4.6502	1.6	0.3086	1.4	0.89	1734	21	1758	13	1788	13	1788	13	97
87a	135	504,180	0.38	8.8940	0.3	5.0408	1.1	0.3252	1.1	0.97	1815	17	1826	10	1839	5	1839	5	99
26a	170	162,592	0.63	8.8231	0.3	4.7266	11.1	0.3025	11.1	1.00	1704	166	1772	93	1854	5	1854	5	92
61	52	92,619	1.21	8.7446	1.0	5.2949	2.1	0.3358	1.8	0.89	1866	30	1868	18	1870	17	1870	17	100
5	138	598,592	0.91	8.7427	0.6	5.0448	3.1	0.3199	3.0	0.98	1789	47	1827	26	1870	10	1870	10	96
96	150	221,881	0.47	8.1461	0.7	6.6469	13.3	0.3927	13.3	1.00	2135	242	2066	118	1997	13	1997	13	107
64	285	149,836	0.18	6.1424	0.9	10.0155	9.9	0.4462	9.8	1.00	2378	196	2436	91	2485	15	2485	15	96
33	180	138,334	0.45	5.9511	1.0	10.1910	3.1	0.4399	2.9	0.95	2350	57	2452	28	2538	17	2538	17	93
6	265	623,712	0.10	5.0885	0.1	13.7461	1.3	0.5073	1.3	1.00	2645	28	2732	12	2798	1	2798	1	95
23	54	115,206	1.00	4.8644	0.3	14.3493	1.4	0.5062	1.4	0.98	2641	30	2773	14	2871	5	2871	5	92

Rejected analyses

82	15	1,956	0.51	16.0180	23.5	0.4696	24.4	0.0546	6.5	0.27	342	22	391	79	689	508	342	22	NA
66	769	11,138	0.07	17.5518	5.6	0.4356	7.9	0.0554	5.5	0.70	348	19	367	24	491	124	348	19	NA
63	636	65,658	0.04	18.0539	1.1	0.4296	1.5	0.0562	1.1	0.70	353	4	363	5	428	24	353	4	NA
16	413	141,673	0.07	15.1261	1.3	0.5857	1.5	0.0642	0.7	0.48	401	3	468	6	810	27	401	3	50
4	377	115,278	0.10	17.0863	1.0	0.5199	2.2	0.0644	2.0	0.90	402	8	425	8	550	21	402	8	73
100	620	5,019	0.16	13.4644	2.5	0.7243	3.9	0.0707	3.0	0.77	441	13	553	16	1049	50	441	13	42
42	415	134,347	0.46	18.2699	0.7	0.5503	2.6	0.0729	2.5	0.96	454	11	445	9	401	17	454	11	113
78	239	24,633	0.14	17.0422	5.4	0.6734	7.7	0.0832	5.5	0.72	515	27	523	32	555	117	515	27	93
32	433	75,974	0.18	15.3148	1.1	0.8761	3.7	0.0973	3.5	0.95	599	20	639	18	784	24	599	20	76
52	330	77,980	0.15	12.9542	3.3	1.0967	11.1	0.1030	10.6	0.95	632	64	752	59	1126	66	632	64	56
85	134	78,379	0.18	13.7329	2.4	1.0353	4.3	0.1031	3.6	0.82	633	21	722	22	1009	49	633	21	63
49b	253	9,127	0.17	14.0836	2.6	1.1077	21.8	0.1131	21.6	0.99	691	142	757	117	958	53	691	142	72
55	174	144,521	0.27	13.7841	1.2	1.2099	7.7	0.1210	7.6	0.99	736	53	805	43	1001	25	736	53	74
91	19	8,526	1.02	13.7491	7.8	1.5415	12.9	0.1537	10.2	0.79	922	88	947	79	1006	159	1006	159	92
17	29	36,437	0.42	13.2136	3.4	1.8581	3.6	0.1781	1.2	0.33	1056	11	1066	23	1087	67	1087	67	97
46	608	76,263	0.23	13.2086	3.3	1.5398	8.5	0.1475	7.8	0.92	887	64	946	52	1087	67	1087	67	82
50	141	63,208	0.21	13.0337	1.8	1.4340	3.8	0.1356	3.3	0.87	819	25	903	23	1114	37	1114	37	74
3	541	7,506	0.38	12.1968	3.1	1.3653	5.4	0.1208	4.5	0.82	735	31	874	32	1245	60	1245	60	59
81	240	95,682	0.12	12.1779	1.8	1.2123	6.4	0.1071	6.1	0.96	656	38	806	35	1248	36	1248	36	53

44	367	84,722	0.37	12.1099	7.5	1.2603	9.5	0.1107	5.8	0.61	677	37	828	54	1259	146	1259	146	54
47	353	189,749	0.14	12.0546	1.8	1.3034	3.4	0.1140	2.9	0.85	696	19	847	20	1268	36	1268	36	55
54	372	70,139	0.08	12.0000	5.8	1.5159	6.2	0.1319	2.0	0.33	799	15	937	38	1277	114	1277	114	63
1	534	905,437	0.10	11.5810	4.2	1.2278	4.3	0.1031	1.3	0.29	633	8	813	24	1346	80	1346	80	47
11	159	135,440	0.30	11.4952	0.8	1.4570	3.2	0.1215	3.1	0.97	739	22	913	19	1360	16	1360	16	54
65	707	1,264,866	0.27	11.3149	0.8	2.4863	3.1	0.2040	3.0	0.96	1197	32	1268	22	1391	16	1391	16	86
51	443	64,969	0.14	11.2649	1.2	1.4304	5.6	0.1169	5.5	0.98	712	37	902	34	1399	24	1399	24	51
35	211	143,211	0.28	11.2532	1.4	2.3069	13.0	0.1883	13.0	0.99	1112	133	1214	93	1401	26	1401	26	79
45	351	202,160	0.14	11.2487	0.8	1.2742	2.7	0.1040	2.6	0.95	638	16	834	15	1402	16	1402	16	45
43	371	106,985	0.14	10.0928	4.7	3.5495	7.1	0.2598	5.3	0.75	1489	71	1538	56	1607	87	1607	87	93
59	411	191,604	0.34	9.9177	0.5	2.7410	5.8	0.1972	5.7	1.00	1160	61	1340	43	1639	9	1639	9	71
38	285	262,131	0.58	9.8292	2.6	3.4389	4.6	0.2452	3.8	0.82	1413	48	1513	36	1656	49	1656	49	85
10	491	117,808	0.45	9.8242	4.2	2.6859	6.3	0.1914	4.6	0.74	1129	48	1325	46	1657	79	1657	79	68
90	316	80,577	0.61	9.3467	1.1	2.7940	6.1	0.1894	6.0	0.98	1118	62	1354	46	1749	21	1749	21	64
83	356	10,738	0.37	9.2847	2.1	2.3148	5.7	0.1559	5.3	0.93	934	46	1217	40	1761	38	1761	38	53
53	271	60,115	0.22	9.2791	1.8	2.5478	3.3	0.1715	2.7	0.83	1020	26	1286	24	1762	33	1762	33	58
88	452	146,503	0.04	9.2661	1.9	2.5789	3.3	0.1733	2.6	0.80	1030	25	1295	24	1765	35	1765	35	58
2	459	20,358	0.29	8.9873	1.6	2.1768	4.5	0.1419	4.2	0.93	855	34	1174	31	1820	29	1820	29	47
68	118	139,991	0.59	8.8880	0.7	4.4982	2.1	0.2900	2.0	0.95	1641	29	1731	18	1840	12	1840	12	89
14	154	25,746	0.62	8.2331	0.8	3.8740	5.2	0.2313	5.2	0.99	1341	63	1608	42	1978	14	1978	14	68
29	564	130,915	0.16	8.2124	7.9	2.1804	8.5	0.1299	3.2	0.38	787	24	1175	59	1982	141	1982	141	40
69	177	119,131	0.33	7.4303	1.8	3.7093	13.7	0.1999	13.6	0.99	1175	146	1573	110	2159	32	2159	32	54
27	290	364,749	0.13	7.3817	0.6	2.3497	3.9	0.1258	3.8	0.99	764	27	1227	28	2170	11	2170	11	35
21	331	138,307	0.58	7.1319	1.6	6.4849	16.1	0.3354	16.1	1.00	1865	260	2044	143	2230	27	2230	27	84
77	48	23,992	0.10	6.7296	2.4	2.2807	11.5	0.1113	11.3	0.98	680	73	1206	82	2330	42	2330	42	29
58	569	149,062	0.23	6.7010	0.5	4.0683	4.4	0.1977	4.4	0.99	1163	46	1648	36	2337	9	2337	9	50
57	167	149,903	0.19	6.5079	0.8	5.1922	7.7	0.2451	7.6	0.99	1413	97	1851	65	2387	13	2387	13	59
12	138	333,300	0.78	6.0336	0.5	6.7090	5.4	0.2936	5.4	1.00	1659	79	2074	48	2515	8	2515	8	66
86	277	218,176	0.43	5.6609	2.4	5.8681	6.2	0.2409	5.7	0.92	1392	72	1957	54	2622	41	2622	41	53

Sample 11-93 - St Cyr

UTM: Zone 08V 0626547 6781336

(n=36/101)

4	1623	42,780	0.017	19.2493	2.2	0.2997	3.9	0.0418	3.2	0.82	264	8	266	9	283	51	264	8	NA
18	1852	135,920	0.003	19.2924	1.4	0.3040	2.1	0.0425	1.6	0.75	269	4	270	5	278	32	269	4	NA
39	1756	68,535	0.004	19.4414	2.0	0.3039	2.3	0.0428	1.1	0.46	270	3	269	5	260	47	270	3	NA
9	1749	195,126	0.005	19.2019	1.7	0.3081	2.5	0.0429	1.8	0.73	271	5	273	6	289	38	271	5	NA
11	2885	129,797	0.004	19.0042	1.6	0.3121	2.6	0.0430	2.1	0.80	272	6	276	6	312	36	272	6	NA
93	1512	16,128	0.004	19.0439	1.2	0.3126	2.1	0.0432	1.7	0.81	272	4	276	5	308	28	272	4	NA
91	2179	30,924	0.004	19.2065	0.9	0.3121	1.6	0.0435	1.4	0.84	274	4	276	4	288	20	274	4	NA
69	2489	57,038	0.008	19.1960	1.3	0.3138	3.1	0.0437	2.9	0.92	276	8	277	8	290	29	276	8	NA

24	2432	61,222	0.004	19.2677	0.9	0.3135	2.2	0.0438	2.0	0.91	276	5	277	5	281	20	276	5	NA
90	1369	105,237	0.004	19.1343	2.4	0.3166	3.3	0.0439	2.3	0.69	277	6	279	8	297	55	277	6	NA
62	1830	96,835	0.005	19.0876	1.6	0.3177	2.9	0.0440	2.4	0.83	277	7	280	7	302	37	277	7	NA
47	1583	58,510	0.009	19.0947	2.0	0.3192	5.1	0.0442	4.7	0.92	279	13	281	13	302	45	279	13	NA
68	2640	60,839	0.004	19.0553	1.1	0.3211	3.4	0.0444	3.3	0.95	280	9	283	8	306	24	280	9	NA
12	1622	201,006	0.05	18.6193	1.2	0.3965	3.7	0.0535	3.5	0.95	336	12	339	11	359	27	336	12	NA
36	1312	122,258	0.14	18.4258	1.3	0.4758	4.6	0.0636	4.4	0.96	397	17	395	15	382	30	397	17	NA
85	1230	72,781	0.70	18.0159	1.7	0.5087	4.3	0.0665	3.9	0.92	415	16	418	15	433	37	415	16	96
5	836	162,304	0.58	18.2257	1.3	0.5439	2.7	0.0719	2.3	0.86	448	10	441	10	407	30	448	10	110
99	217	39,845	1.02	15.7886	3.1	0.9373	4.1	0.1073	2.7	0.66	657	17	671	20	720	66	657	17	91
80	123	9,333	0.39	13.2721	2.3	1.7546	3.0	0.1689	1.9	0.64	1006	18	1029	20	1078	46	1078	46	93
6	732	315,152	0.44	12.8673	0.7	2.0430	1.2	0.1907	1.0	0.82	1125	10	1130	8	1140	14	1140	14	99
82	91	27,071	0.41	11.7638	1.9	2.5768	3.8	0.2198	3.3	0.86	1281	38	1294	28	1316	37	1316	37	97
15	132	29,446	0.33	11.7266	1.9	2.5671	4.0	0.2183	3.5	0.89	1273	41	1291	29	1322	36	1322	36	96
55	154	41,534	0.35	11.4394	1.4	2.6192	6.0	0.2173	5.8	0.97	1268	67	1306	44	1370	28	1370	28	93
83	138	46,404	0.26	10.8472	1.9	2.9686	7.4	0.2335	7.2	0.97	1353	88	1400	56	1471	36	1471	36	92
74	178	44,443	0.44	10.7124	0.9	3.1091	2.6	0.2416	2.4	0.94	1395	31	1435	20	1495	17	1495	17	93
60	187	61,680	0.42	9.9586	1.4	3.9226	4.6	0.2833	4.4	0.95	1608	62	1618	37	1632	27	1632	27	99
52	114	53,233	0.70	9.8650	1.8	4.0149	2.4	0.2873	1.6	0.67	1628	23	1637	19	1649	33	1649	33	99
97	73	22,012	0.37	9.5220	1.7	4.3454	2.8	0.3001	2.2	0.78	1692	32	1702	23	1715	32	1715	32	99
96	215	108,174	0.51	9.4156	1.1	4.2707	1.6	0.2916	1.2	0.73	1650	17	1688	13	1735	20	1735	20	95
48	378	290,859	0.32	9.3860	0.6	4.2440	4.1	0.2889	4.0	0.99	1636	58	1683	34	1741	12	1741	12	94
13	376	125,720	0.37	9.3603	0.6	4.4608	4.0	0.3028	4.0	0.99	1705	60	1724	34	1746	12	1746	12	98
29	228	109,187	0.25	9.2779	0.8	4.6676	1.3	0.3141	1.0	0.77	1761	16	1761	11	1762	15	1762	15	100
33	879	390,962	0.09	9.0742	0.4	4.7672	4.7	0.3137	4.7	1.00	1759	72	1779	40	1803	8	1803	8	98
89	117	77,352	0.78	8.9278	1.3	5.0992	2.0	0.3302	1.5	0.75	1839	24	1836	17	1832	24	1832	24	100
50	148	34,718	0.30	8.7069	1.2	4.9124	3.4	0.3102	3.2	0.93	1742	48	1804	29	1878	22	1878	22	93
43	82	15,288	0.88	8.6077	2.7	5.0915	3.4	0.3179	2.1	0.62	1779	33	1835	29	1898	48	1898	48	94

Rejected analyses

37	1277	76,463	0.01	17.5529	7.9	0.3013	12.1	0.0384	9.2	0.76	243	22	267	29	490	174	243	22	NA
40	1864	55,157	0.007	19.3161	1.3	0.2987	6.6	0.0418	6.5	0.98	264	17	265	16	275	29	264	17	NA
17	1768	19,212	0.02	17.8767	2.3	0.3373	3.4	0.0437	2.5	0.73	276	7	295	9	450	51	276	7	NA
27	1549	39,629	0.04	16.4240	6.7	0.3783	10.6	0.0451	8.2	0.77	284	23	326	29	635	145	284	23	NA
21	1553	104,128	0.02	16.2736	1.3	0.4298	3.2	0.0507	2.9	0.91	319	9	363	10	655	28	319	9	NA
7	1244	23,966	0.06	12.356	4.97	0.76965	11.4	0.0690	10.2	0.90	430	43	579.6	50.3	1220	98	430	43	65
44	662	70,397	0.06	13.3747	4.0	0.7509	4.6	0.0728	2.3	0.50	453	10	569	20	1062	81	453	10	43
56	1066	55,317	0.20	14.6167	2.2	0.7005	4.2	0.0743	3.6	0.86	462	16	539	18	881	45	462	16	52
73	600	73,024	0.16	12.054	4.20	0.90428	11.8	0.0791	11.0	0.93	491	52	654.0	57.0	1268	82	491	52	61
34	1317	50,852	0.01	14.2888	1.6	0.8546	5.0	0.0886	4.8	0.95	547	25	627	24	928	32	547	25	59
23	747	22,865	0.31	14.217	1.69	1.40074	10.2	0.1444	10.1	0.99	870	82	889.2	60.8	938	35	938	35	7

81	132	57,801	0.56	13.5455	3.7	1.8517	4.0	0.1819	1.3	0.33	1077	13	1064	26	1037	75	1037	75	104
32	111	12,521	1.01	13.1571	3.0	1.4919	5.8	0.1424	5.0	0.86	858	40	927	35	1095	59	1095	59	78
20	348	1,976	0.12	12.969	2.32	1.47004	4.5	0.1383	3.9	0.86	835	30	918.1	27.4	1124	46	1124	46	26
59	673	112,096	0.18	12.7963	0.8	1.6337	3.3	0.1516	3.2	0.97	910	27	983	21	1151	16	1151	16	79
14	454	88,460	0.49	12.7258	0.8	1.8190	8.6	0.1679	8.6	1.00	1000	80	1052	57	1162	16	1162	16	86
54	73	19,738	0.35	12.4356	3.4	2.1794	3.6	0.1966	1.4	0.39	1157	15	1174	25	1207	66	1207	66	96
100	37	10,287	0.49	12.208	####	2.38635	11.0	0.2113	3.0	0.27	1236	34	1238.5	79.2	1244	209	1244	209	1
8	551	14,961	0.36	12.1537	1.8	2.0069	8.6	0.1769	8.4	0.98	1050	81	1118	58	1252	35	1252	35	84
77	169	11,563	0.30	11.6458	2.4	1.9049	6.0	0.1609	5.5	0.91	962	49	1083	40	1335	47	1335	47	72
31	363	5,281	0.18	11.620	1.46	1.50482	2.9	0.1268	2.5	0.86	770	18	932.3	17.7	1339	28	1339	28	43
30	545	47,306	0.74	11.286	4.13	1.80048	8.6	0.1474	7.6	0.88	886	63	1045.6	56.5	1396	79	1396	79	36
65	109	13,598	0.93	10.196	1.65	3.14801	10.1	0.2328	10.0	0.99	1349	122	1444.5	78.3	1588	31	1588	31	15
63	832	268,294	0.37	10.0855	0.8	3.3090	9.7	0.2420	9.6	1.00	1397	121	1483	75	1608	14	1608	14	87
35	118	30,965	1.09	9.9097	2.1	3.3073	5.3	0.2377	4.9	0.92	1375	60	1483	41	1641	38	1641	38	84
64	292	46,125	0.27	9.5522	1.4	2.9890	3.3	0.2071	2.9	0.90	1213	32	1405	25	1709	27	1709	27	71
57	424	86,639	0.17	9.2294	1.2	3.5632	8.6	0.2385	8.5	0.99	1379	105	1541	68	1772	22	1772	22	78
79	172	75,145	0.27	8.8371	1.0	4.3096	7.3	0.2762	7.2	0.99	1572	101	1695	60	1851	18	1851	18	85
45	550	90,103	0.09	8.6685	0.6	3.6760	5.0	0.2311	5.0	0.99	1340	60	1566	40	1886	11	1886	11	71
94	95	80,054	0.45	5.0103	1.4	13.0798	9.1	0.4753	9.0	0.99	2507	188	2685	86	2823	23	2823	23	89

Sample 12-25 - St Cyr

UTM: Zone 08V 0615803 6792365

(n=38/88)

40	1072	58,569	0.005	18.9722	0.8	0.3302	1.4	0.0454	1.1	0.82	286	3	290	3	316	18	286	3	NA
64	1319	288,750	0.005	19.1564	0.7	0.3381	1.7	0.0470	1.6	0.91	296	5	296	4	294	17	296	5	NA
66	607	61,625	0.005	18.5703	1.9	0.3686	2.4	0.0496	1.6	0.65	312	5	319	7	365	42	312	5	NA
45	1547	7,345	0.030	17.3599	11.6	0.3955	12.1	0.0498	3.4	0.28	313	10	338	35	515	255	313	10	NA
85	944	108,511	0.02	18.7614	1.1	0.3776	1.5	0.0514	1.0	0.67	323	3	325	4	342	25	323	3	NA
55	458	87,574	0.015	18.6756	1.2	0.3871	1.6	0.0524	1.1	0.65	329	3	332	5	352	28	329	3	NA
72	2646	29,685	0.055	18.6386	0.4	0.3891	1.1	0.0526	1.0	0.94	330	3	334	3	356	8	330	3	NA
29	837	56,502	0.015	18.6096	1.0	0.3913	2.2	0.0528	1.9	0.88	332	6	335	6	360	23	332	6	NA
62	741	200,498	0.009	18.6062	0.6	0.3939	2.1	0.0532	2.0	0.96	334	6	337	6	360	13	334	6	NA
11	992	222,792	0.008	18.8021	0.8	0.3903	1.2	0.0532	0.8	0.71	334	3	335	3	337	19	334	3	NA
30	810	331,264	0.008	18.7481	1.0	0.3943	1.2	0.0536	0.7	0.60	337	2	337	4	343	22	337	2	NA
88	947	51,635	0.007	18.6621	0.9	0.3982	1.1	0.0539	0.7	0.62	338	2	340	3	354	20	338	2	NA
56	740	135,177	0.010	18.7063	0.6	0.3983	1.5	0.0540	1.4	0.91	339	4	340	4	348	14	339	4	NA
65	1025	203,201	0.023	18.5770	0.6	0.4013	1.0	0.0541	0.8	0.80	339	3	343	3	364	14	339	3	NA
26	801	3,275	0.038	17.5803	8.5	0.4249	8.6	0.0542	1.4	0.16	340	5	360	26	487	187	340	5	NA
9	1108	12,892	0.013	18.0734	4.9	0.4148	5.0	0.0544	0.8	0.16	341	3	352	15	426	110	341	3	NA
70	712	103,669	0.020	18.5729	0.9	0.4079	2.0	0.0549	1.8	0.89	345	6	347	6	364	21	345	6	NA
81	741	130,927	0.013	18.5919	0.9	0.4089	1.6	0.0551	1.4	0.83	346	5	348	5	362	21	346	5	NA

76	493	141,097	0.017	18.4511	2.0	0.4152	2.3	0.0556	1.1	0.50	349	4	353	7	379	44	349	4	NA
77	882	38,191	0.050	18.3644	1.2	0.4198	1.4	0.0559	0.6	0.45	351	2	356	4	390	27	351	2	NA
87	596	37,258	0.01	18.4703	1.4	0.4178	2.0	0.0560	1.4	0.72	351	5	354	6	377	31	351	5	NA
58	701	129,006	0.28	18.5835	0.8	0.4450	2.3	0.0600	2.2	0.94	376	8	374	7	363	17	376	8	NA
49	467	240,612	0.34	18.1185	0.9	0.4712	1.9	0.0619	1.7	0.88	387	6	392	6	420	20	387	6	NA
33	375	124,319	0.95	18.2132	1.3	0.5199	3.3	0.0687	3.1	0.92	428	13	425	12	408	29	428	13	105
6	272	369,659	0.67	15.8146	1.3	1.0529	2.2	0.1208	1.8	0.81	735	12	730	11	716	27	735	12	103
46	576	118,192	0.34	13.5042	0.6	1.6508	3.2	0.1617	3.1	0.98	966	28	990	20	1043	12	1043	12	93
38	575	104,536	0.44	13.4658	0.3	1.6193	1.1	0.1581	1.0	0.96	946	9	978	7	1049	6	1049	6	90
2	213	203,937	0.63	13.1854	0.8	1.8651	1.6	0.1784	1.4	0.87	1058	14	1069	11	1091	16	1091	16	97
5	53	63,291	0.28	12.6732	1.8	2.1376	2.6	0.1965	1.9	0.73	1156	20	1161	18	1170	36	1170	36	99
19	319	238,712	0.75	10.7432	0.6	3.1845	4.7	0.2481	4.6	0.99	1429	60	1453	36	1490	10	1490	10	96
21	63	71,552	0.95	9.9641	0.7	3.9180	2.0	0.2831	1.9	0.94	1607	27	1617	16	1631	13	1631	13	99
27	402	1,005,245	0.55	9.6170	0.5	3.8491	2.2	0.2685	2.2	0.97	1533	29	1603	18	1696	10	1696	10	90
67	354	203,665	0.32	9.4778	0.7	4.5611	6.7	0.3135	6.6	0.99	1758	102	1742	56	1723	14	1723	14	102
82	370	699,067	0.46	9.2783	0.2	4.5966	1.1	0.3093	1.1	0.98	1737	17	1749	9	1762	4	1762	4	99
73	75	89,466	0.50	9.1131	0.8	4.8183	2.1	0.3185	1.9	0.93	1782	30	1788	18	1795	14	1795	14	99
28	321	627,512	0.32	9.0976	0.2	4.7813	0.7	0.3155	0.6	0.94	1768	10	1782	6	1798	4	1798	4	98
14	49	93,766	0.86	6.8126	1.3	9.0849	7.7	0.4489	7.6	0.98	2390	152	2347	71	2309	23	2309	23	104
86	55	309,997	0.59	4.5604	0.2	17.3780	1.3	0.5748	1.3	0.98	2927	30	2956	13	2975	4	2975	4	98

Rejected analyses

69	750	341,680	0.04	15.2489	8.5	0.4720	9.3	0.0522	3.7	0.40	328	12	393	30	793	179	328	12	NA
23	1237	12,143	0.01	18.5260	3.7	0.3941	3.8	0.0530	0.9	0.23	333	3	337	11	370	84	333	3	NA
32	889	392,020	0.02	18.4999	0.6	0.3954	1.1	0.0530	1.0	0.85	333	3	338	3	373	13	333	3	NA
80	1339	14,484	0.03	18.3047	1.3	0.4027	4.3	0.0535	4.1	0.95	336	14	344	13	397	29	336	14	NA
43	651	33,933	0.05	16.6480	2.5	0.4453	4.5	0.0538	3.7	0.82	338	12	374	14	606	55	338	12	NA
83	1013	398,544	0.02	18.0792	0.9	0.4287	1.6	0.0562	1.4	0.84	353	5	362	5	425	20	353	5	NA
78	680	193,796	0.01	18.0461	1.2	0.4396	1.6	0.0575	1.0	0.65	361	4	370	5	429	27	361	4	NA
44	1011	28,164	0.04	17.1283	1.3	0.4726	2.3	0.0587	1.8	0.82	368	7	393	7	544	29	368	7	NA
71	506	123,816	0.02	17.9401	1.4	0.4523	1.5	0.0588	0.5	0.34	369	2	379	5	442	32	369	2	NA
18	980	252,256	0.04	16.6086	1.1	0.4924	1.6	0.0593	1.3	0.77	371	5	407	5	611	23	371	5	NA
59	653	123,824	0.05	17.6632	1.3	0.4709	1.8	0.0603	1.2	0.66	378	4	392	6	477	30	378	4	NA
75	721	87,685	0.02	15.9292	5.7	0.5480	5.9	0.0633	1.3	0.22	396	5	444	21	701	122	396	5	NA
22	1055	22,464	0.07	17.1660	0.7	0.5231	1.9	0.0651	1.8	0.92	407	7	427	7	539	16	407	7	75
35	833	9,358	0.18	11.9872	5.4	0.7560	7.9	0.0657	5.8	0.73	410	23	572	35	1279	106	410	23	32
37	650	282,574	0.03	16.8776	2.6	0.5628	3.7	0.0689	2.7	0.73	429	11	453	14	576	56	429	11	75
61	503	97,300	0.04	13.3910	1.9	0.7122	3.1	0.0692	2.5	0.80	431	10	546	13	1060	38	431	10	41
3	816	124,292	0.06	15.9183	2.4	0.6024	3.3	0.0696	2.3	0.68	433	9	479	13	702	52	433	9	62
48	840	45,429	0.06	12.9011	1.7	0.7803	2.4	0.0730	1.8	0.73	454	8	586	11	1134	33	454	8	40
68	361	82,066	0.06	16.4256	2.2	0.6251	2.4	0.0745	1.0	0.43	463	5	493	10	635	47	463	5	73

4	487	229,000	0.04	13.1192	1.2	0.8237	2.3	0.0784	2.0	0.86	486	9	610	11	1101	24	486	9	44
1	834	95,217	0.02	15.9925	8.2	0.6778	11.3	0.0786	7.8	0.69	488	37	525	47	692	175	488	37	70
36	650	103,935	0.01	15.2445	1.3	0.7232	3.7	0.0800	3.5	0.94	496	17	553	16	794	27	496	17	62
39	619	145,837	0.06	16.5777	2.1	0.6691	3.1	0.0804	2.3	0.73	499	11	520	13	615	46	499	11	81
50	865	37,990	0.08	14.6036	1.4	0.7994	3.2	0.0847	2.8	0.89	524	14	597	14	883	30	524	14	59
13	414	235,163	0.21	14.6632	2.2	0.8664	5.0	0.0921	4.5	0.90	568	24	634	23	875	45	568	24	65
10	560	51,447	0.24	13.2896	5.4	1.0666	6.9	0.1028	4.3	0.63	631	26	737	36	1075	109	631	26	59
12	81	69,447	0.27	12.8615	2.8	1.4412	5.3	0.1344	4.5	0.85	813	35	906	32	1141	56	1141	56	71
31	297	218,467	0.78	12.7840	0.6	1.4408	2.7	0.1336	2.6	0.97	808	20	906	16	1153	12	1153	12	70
53	1179	86,998	0.34	12.5463	0.5	1.6379	1.9	0.1490	1.9	0.97	896	16	985	12	1190	10	1190	10	75
24	280	160,246	0.23	12.4506	1.0	1.2866	3.7	0.1162	3.6	0.96	709	24	840	21	1205	20	1205	20	59
8	420	88,870	0.23	11.9540	1.1	1.3680	5.9	0.1186	5.8	0.98	723	40	875	35	1285	22	1285	22	56
79	100	106,956	0.31	11.8735	2.2	1.9408	9.3	0.1671	9.1	0.97	996	84	1095	63	1298	42	1298	42	77
51	107	231,186	1.71	11.8065	0.7	2.2696	3.5	0.1943	3.4	0.98	1145	36	1203	25	1309	14	1309	14	87
42	271	196,343	0.74	11.2355	0.8	2.3089	3.4	0.1881	3.3	0.97	1111	34	1215	24	1404	16	1404	16	79
74	578	79,792	0.14	11.0083	4.5	0.9880	9.1	0.0789	7.8	0.87	489	37	698	46	1443	86	1443	86	34
16	220	101,602	0.20	10.5269	3.5	2.1131	17.0	0.1613	16.7	0.98	964	149	1153	118	1528	65	1528	65	63
15	370	40,416	0.30	10.2850	0.6	2.0744	3.7	0.1547	3.7	0.99	927	32	1140	25	1572	12	1572	12	59
52	373	214,938	0.28	10.2491	1.4	2.0365	3.5	0.1514	3.2	0.92	909	27	1128	24	1578	26	1578	26	58
54	242	38,445	0.31	9.9566	4.2	1.9295	6.5	0.1393	5.0	0.76	841	39	1091	44	1632	79	1632	79	52
84	242	31,903	0.20	9.9215	0.6	2.1220	4.2	0.1527	4.2	0.99	916	36	1156	29	1639	11	1639	11	56
34	87	58,911	0.50	9.6694	0.9	3.3454	4.7	0.2346	4.7	0.98	1359	57	1492	37	1686	16	1686	16	81
60	552	42,119	0.41	9.6077	1.7	2.4239	4.2	0.1689	3.8	0.92	1006	36	1250	30	1698	30	1698	30	59
25	23	11,746	0.86	8.9803	4.4	3.6133	27.0	0.2353	26.6	0.99	1362	327	1552	218	1822	80	1822	80	75
57	492	110,321	0.16	8.5494	1.2	1.8787	8.4	0.1165	8.3	0.99	710	56	1074	56	1910	21	1910	21	37
20	32	79,749	1.25	8.2350	1.4	4.9111	4.4	0.2933	4.2	0.95	1658	61	1804	37	1977	25	1977	25	84
63	504	328,340	0.09	7.1864	3.2	2.9316	4.1	0.1528	2.7	0.64	917	23	1390	31	2217	55	2217	55	41
7	124	127,716	0.14	6.3500	1.8	2.9958	4.9	0.1380	4.5	0.93	833	36	1407	37	2429	31	2429	31	34
41	280	215,166	0.25	5.4448	1.4	9.2406	6.1	0.3649	5.9	0.97	2005	102	2362	56	2686	23	2686	23	75

Sample 12-22 - St Cyr

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(n=65/106)

22	42	17,140		21.0637	22.6	0.2701	22.8	0.0413	2.7	0.12	261	7	243	49	73	543	261	7	NA
18	460	14,524	0.012	19.1357	2.3	0.3099	3.5	0.0430	2.6	0.75	271	7	274	8	297	53	271	7	NA
61	1613	419,673	0.005	19.2132	0.4	0.3099	1.0	0.0432	0.9	0.91	273	2	274	2	288	9	273	2	NA
33	170	43,906	0.0001	19.8454	4.1	0.3017	4.2	0.0434	1.0	0.23	274	3	268	10	213	94	274	3	NA
38	1322	39,147	0.010	19.0274	0.7	0.3228	1.2	0.0445	0.9	0.80	281	3	284	3	310	16	281	3	NA
31	1080	285,194	0.005	19.1258	0.6	0.3267	2.1	0.0453	2.0	0.96	286	6	287	5	298	14	286	6	NA
13	1115	370,326	0.004	18.9455	1.0	0.3372	1.2	0.0463	0.7	0.55	292	2	295	3	320	23	292	2	NA
32	975	59,947	0.013	19.0121	1.4	0.3554	1.8	0.0490	1.1	0.59	308	3	309	5	311	33	308	3	NA

34	1292	174,730	0.005	18.6460	0.7	0.4004	1.0	0.0541	0.7	0.73	340	2	342	3	356	15	340	2	NA
11	469	15,126	0.03	17.0618	5.5	0.4564	6.0	0.0565	2.4	0.40	354	8	382	19	553	120	354	8	NA
6	541	168,836	0.75	18.3731	0.8	0.4305	2.2	0.0574	2.0	0.94	360	7	364	7	389	17	360	7	NA
57	97	39,480	1.11	18.1288	4.7	0.5259	5.4	0.0691	2.6	0.48	431	11	429	19	419	105	431	11	103
68	258	109,242	0.20	18.1238	1.5	0.5406	3.0	0.0711	2.6	0.86	443	11	439	11	419	33	443	11	106
3	216	149,503	1.31	17.5569	1.9	0.5656	2.4	0.0720	1.6	0.65	448	7	455	9	490	41	448	7	92
21	47	33,154	0.79	16.5259	6.5	0.6903	6.8	0.0827	1.9	0.28	512	9	533	28	622	141	512	9	82
19-1	63	28,958	0.62	16.1186	3.9	0.9208	4.3	0.1076	2.0	0.46	659	13	663	21	675	82	659	13	98
96	269	122,159	1.67	16.0926	0.9	0.9685	2.8	0.1130	2.7	0.95	690	17	688	14	679	19	690	17	102
92	63	44,562	0.56	13.5770	2.2	1.8038	4.0	0.1776	3.4	0.83	1054	33	1047	26	1032	45	1032	45	102
94	227	227,482	0.43	13.5770	1.2	1.7366	2.6	0.1710	2.3	0.89	1018	22	1022	17	1032	24	1032	24	99
98	428	243,094	0.26	13.4444	0.3	1.6315	2.4	0.1591	2.3	0.99	952	21	982	15	1052	5	1052	5	90
88	113	249,153	0.52	13.2660	1.4	1.9207	1.6	0.1848	0.7	0.42	1093	7	1088	10	1079	28	1079	28	101
66	314	319,409	0.30	13.2358	0.4	1.7326	1.8	0.1663	1.8	0.97	992	16	1021	12	1083	8	1083	8	92
76	42	30,259	0.37	13.1617	2.6	1.9911	2.8	0.1901	1.1	0.38	1122	11	1112	19	1095	52	1095	52	102
30	85	55,321	0.95	13.1541	1.1	1.8797	1.7	0.1793	1.2	0.74	1063	12	1074	11	1096	22	1096	22	97
36b	124	137,487	0.46	13.1462	1.1	1.9560	1.2	0.1865	0.6	0.46	1102	6	1101	8	1097	22	1097	22	101
72	111	191,116	0.53	12.5087	1.7	2.2432	2.1	0.2035	1.2	0.55	1194	13	1195	15	1196	34	1196	34	100
93	116	91,686	1.35	12.3819	0.8	2.1240	1.7	0.1907	1.5	0.87	1125	15	1157	12	1216	17	1216	17	93
25	51	104,848	0.64	11.6713	1.7	2.7266	3.6	0.2308	3.1	0.87	1339	38	1336	27	1331	34	1331	34	101
5	335	161,041	0.55	11.6513	0.3	2.7124	0.9	0.2292	0.9	0.96	1330	10	1332	7	1334	5	1334	5	100
44	138	402,842	0.65	11.5412	0.5	2.7496	0.8	0.2302	0.7	0.81	1335	8	1342	6	1353	9	1353	9	99
100	88	65,887	0.47	11.4365	0.9	2.8136	1.3	0.2334	1.0	0.75	1352	12	1359	10	1370	16	1370	16	99
91	99	129,974	0.64	11.3654	1.3	2.8454	5.5	0.2345	5.3	0.97	1358	65	1368	41	1382	24	1382	24	98
47-3	177	324,809	0.53	11.3284	0.7	2.9112	1.4	0.2392	1.2	0.87	1382	15	1385	11	1388	13	1388	13	100
24	58	89,788	1.07	11.3074	2.1	2.8725	2.1	0.2356	0.3	0.14	1364	4	1375	16	1392	41	1392	41	98
15	170	154,527	0.50	11.1858	0.4	2.9481	1.8	0.2392	1.7	0.98	1382	22	1394	13	1413	7	1413	7	98
70	176	284,016	0.50	10.9268	0.4	3.2447	1.4	0.2571	1.3	0.96	1475	18	1468	11	1457	7	1457	7	101
79	117	131,149	0.62	10.7785	0.6	3.1745	2.3	0.2482	2.2	0.97	1429	28	1451	17	1483	11	1483	11	96
63	44	90,948	0.59	10.7724	2.7	3.3070	2.8	0.2584	0.9	0.31	1482	11	1483	22	1484	51	1484	51	100
69	166	50,584	0.55	10.6352	0.7	3.3742	1.3	0.2603	1.1	0.84	1491	14	1498	10	1509	13	1509	13	99
85	43	67,369	0.57	9.9873	0.6	3.8582	6.0	0.2795	5.9	0.99	1589	84	1605	48	1626	11	1626	11	98
73	433	60,562	1.34	9.9659	1.0	3.6526	15.3	0.2640	15.3	1.00	1510	206	1561	123	1630	18	1630	18	93
67	107	103,653	0.99	9.8953	0.4	3.9089	1.5	0.2805	1.4	0.96	1594	20	1616	12	1644	8	1644	8	97
35	314	33,137	1.13	9.8562	3.1	3.8762	3.8	0.2771	2.2	0.59	1577	31	1609	31	1651	57	1651	57	96
47-2	123	84,332	0.55	9.6375	0.4	4.0320	2.7	0.2818	2.7	0.99	1601	38	1641	22	1692	8	1692	8	95
58	154	189,892	0.50	9.3835	0.4	4.5181	1.1	0.3075	1.0	0.91	1728	15	1734	9	1742	8	1742	8	99
51	180	326,137	0.40	9.3510	1.4	4.5558	2.6	0.3090	2.2	0.85	1736	33	1741	21	1748	25	1748	25	99
84	478	127,277	0.37	9.2073	0.4	4.4656	2.0	0.2982	1.9	0.98	1682	28	1725	16	1776	8	1776	8	95
77	168	522,830	0.71	9.1866	0.3	4.6596	0.8	0.3105	0.7	0.91	1743	11	1760	6	1780	6	1780	6	98
40	20	33,086	0.67	8.9215	1.9	5.1515	3.2	0.3333	2.6	0.80	1854	42	1845	28	1834	35	1834	35	101

1	63	152,240	0.99	8.8695	0.9	5.0678	1.3	0.3260	0.9	0.73	1819	15	1831	11	1844	16	1844	16	99
39	125	265,969	0.50	8.8590	0.4	5.0155	2.6	0.3223	2.6	0.99	1801	40	1822	22	1846	7	1846	7	98
45	107	127,444	0.91	8.7620	0.5	5.0463	1.2	0.3207	1.1	0.91	1793	17	1827	10	1866	9	1866	9	96
90	105	505,014	1.10	8.5396	0.7	5.4538	0.9	0.3378	0.6	0.61	1876	9	1893	8	1912	13	1912	13	98
12	52	93,653	1.57	8.5115	1.3	5.5126	1.7	0.3403	1.1	0.64	1888	18	1903	15	1918	24	1918	24	98
37	36	65,021	1.81	8.4347	1.5	5.5261	2.0	0.3381	1.4	0.70	1877	23	1905	18	1935	26	1935	26	97
26	109	116,646	0.76	8.2357	0.7	5.5030	1.8	0.3287	1.7	0.93	1832	27	1901	16	1977	12	1977	12	93
4	272	289,764	0.45	8.2012	0.1	5.5519	1.6	0.3302	1.6	1.00	1840	26	1909	14	1985	3	1985	3	93
71	264	488,539	0.96	8.1798	0.2	5.8493	0.8	0.3470	0.8	0.97	1920	13	1954	7	1989	3	1989	3	97
81	56	130,516	0.63	7.7793	0.8	7.0187	1.9	0.3960	1.8	0.92	2151	32	2114	17	2078	13	2078	13	103
41	46	225,451	0.50	7.2594	0.6	7.5485	2.9	0.3974	2.9	0.98	2157	52	2179	26	2199	11	2199	11	98
50	227	521,302	0.53	6.7742	0.2	7.9885	0.8	0.3925	0.7	0.97	2134	13	2230	7	2319	3	2319	3	92
87	402	107,662	0.78	5.9875	3.3	10.3474	9.5	0.4493	8.9	0.94	2392	178	2466	88	2528	55	2528	55	95
82	138	267,640	0.71	5.5093	0.3	11.7301	1.7	0.4687	1.6	0.98	2478	34	2583	16	2667	5	2667	5	93
99	122	289,939	0.69	5.4253	2.2	12.8846	29	0.5070	28.6	1.00	2644	623	2671	277	2692	36	2692	36	98
2	139	477,145	1.20	5.3885	0.1	12.3736	0.8	0.4836	0.8	0.98	2543	16	2633	7	2703	2	2703	2	94

Rejected analyses

62	14	1,713	0.004	2.8733	760	1.9908	760	0.0415	12.5	0.02	262	32	1112	-	3698	160	262	32	NA
86	49	9,226	0.001	21.5228	21	0.2732	22	0.0426	5.6	0.26	269	15	245	47	22	504	269	15	NA
19-2	7	1,719	0.001	0.7154	2586	8.3274	2586	0.0432	11.6	0.00	273	31	2267	-	-	-	273	31	NA
28	7	796	0.12	5.1858	471	1.2132	472	0.0456	17.0	0.04	288	48	807	-	2766	405	288	48	NA
83	613	250,238	0.008	18.5965	1.7	0.3438	2.9	0.0464	2.4	0.82	292	7	300	8	362	37	292	7	NA
36	12	3,036	0.001	11.1720	25	0.5887	28	0.0477	12.7	0.45	300	37	470	107	1415	491	300	37	NA
78	84	29,004	0.03	14.5990	5.4	0.5448	6.3	0.0577	3.2	0.50	362	11	442	23	884	113	362	11	NA
7	146	7,386	1.09	17.1610	7.2	0.5756	12	0.0716	9.4	0.80	446	41	462	44	540	157	446	41	83
8	306	132,506	0.22	14.0673	1.2	1.0887	4.4	0.1111	4.2	0.96	679	27	748	23	960	25	679	27	71
95	207	144,194	0.21	13.0729	1.0	1.1826	8.8	0.1121	8.7	0.99	685	57	793	48	1108	19	685	57	62
27	166	85,736	0.21	13.6443	1.4	1.4286	2.8	0.1414	2.4	0.87	852	19	901	17	1022	27	1022	27	83
65	115	79,050	0.19	12.0039	7.5	2.1931	12	0.1909	9.1	0.77	1126	94	1179	82	1276	147	1276	147	88
52	109	8,248	0.41	11.8898	1.9	1.9168	4.5	0.1653	4.1	0.91	986	38	1087	30	1295	36	1295	36	76
53-3	546	10,193	0.83	11.2223	0.7	1.7070	7.0	0.1389	7.0	0.99	839	55	1011	45	1406	14	1406	14	60
10	85	150,565	0.38	11.1431	2.1	2.1083	5.7	0.1704	5.3	0.93	1014	49	1152	39	1420	40	1420	40	71
89	14	16,526	1.51	10.9384	8.2	3.0278	8.5	0.2402	2.1	0.25	1388	26	1415	65	1455	157	1455	157	95
43	257	59,950	0.13	10.6921	2.7	1.4941	12.7	0.1159	12.4	0.98	707	83	928	78	1499	51	1499	51	47
56	258	59,477	0.24	10.6651	3.1	1.8387	6.9	0.1422	6.2	0.90	857	50	1059	46	1503	58	1503	58	57
23	355	259,477	0.41	10.2841	2.4	1.4653	6.3	0.1093	5.9	0.93	669	37	916	38	1572	45	1572	45	43
74	348	161,138	0.29	10.2819	2.5	2.8141	9.0	0.2098	8.7	0.96	1228	97	1359	68	1572	47	1572	47	78
60	209	34,199	0.18	10.0615	0.7	3.3168	3.9	0.2420	3.8	0.98	1397	48	1485	30	1613	13	1613	13	87
16	807	82,679	0.21	9.9180	1.4	2.3188	10	0.1668	9.8	0.99	994	91	1218	71	1639	27	1639	27	61
59	417	23,763	0.09	9.5370	1.5	1.5269	3.6	0.1056	3.3	0.91	647	20	941	22	1712	27	1712	27	38

14	149	198,331	0.52	9.3260	1.2	3.1604	6.8	0.2138	6.7	0.99	1249	76	1448	52	1753	21	1753	21	71
53-2	167	140,272	0.94	9.1440	0.7	2.4404	4.2	0.1618	4.1	0.99	967	37	1255	30	1789	12	1789	12	54
42	177	106,420	0.38	8.6459	2.4	3.9528	6.6	0.2479	6.2	0.93	1427	79	1625	54	1890	43	1890	43	76
75	275	169,523	0.37	8.6038	1.0	3.9626	2.5	0.2473	2.3	0.92	1424	30	1627	20	1899	18	1899	18	75
64	102	112,615	0.61	8.3081	1.1	4.4049	5.8	0.2654	5.7	0.98	1518	77	1713	48	1962	20	1962	20	77
80	133	410,673	0.90	7.3996	0.6	5.8275	5.4	0.3127	5.4	0.99	1754	83	1951	47	2166	11	2166	11	81
17	192	87,356	0.63	6.2916	0.2	8.2995	1.7	0.3787	1.7	0.99	2070	30	2264	15	2444	3	2444	3	85
46	162	97,697	0.22	6.2419	1.4	5.0034	9.7	0.2265	9.6	0.99	1316	114	1820	82	2458	24	2458	24	54
29	117	183,153	0.58	6.0632	0.7	8.0357	5.2	0.3534	5.1	0.99	1951	86	2235	47	2507	12	2507	12	78
47-1	167	35,920	0.57	5.9011	0.3	9.0405	5.0	0.3869	5.0	1.00	2109	89	2342	45	2552	5	2552	5	83
53-1	176	208,795	0.55	5.7758	0.5	10.3307	4.9	0.4328	4.9	0.99	2318	95	2465	46	2588	9	2588	9	90
97	31	36,031	0.53	3.7630	4.7	7.5822	14	0.2069	12.7	0.94	1212	141	2183	122	3281	73	3281	73	37

Sample 11-111 - St Cyr Snowcap Assemblage

UTM: Zone 08V 0625790 6778030

(n=80/100)

60	189	92,058	0.43	8.8501	0.6	5.1267	1.5	0.3291	1.4	0.92	1834	22	1841	13	1848	11	1848	11	99
68	130	68,068	0.50	8.8285	1.1	5.3809	3.4	0.3445	3.2	0.95	1908	52	1882	29	1853	20	1853	20	103
62	103	35,367	0.67	8.8041	1.1	5.2833	3.7	0.3374	3.6	0.96	1874	58	1866	32	1858	19	1858	19	101
18	177	115,175	0.60	8.8006	0.6	5.4199	1.4	0.3459	1.3	0.92	1915	21	1888	12	1858	10	1858	10	103
65	271	76,338	0.62	8.7991	0.5	5.1411	2.4	0.3281	2.3	0.97	1829	37	1843	20	1859	10	1859	10	98
3	294	148,439	0.51	8.7920	0.3	5.2499	2.1	0.3348	2.1	0.99	1861	34	1861	18	1860	5	1860	5	100
85	178	269,366	1.37	8.7908	0.9	5.0220	1.3	0.3202	0.9	0.69	1791	14	1823	11	1860	17	1860	17	96
5	368	48,209	0.56	8.7902	0.4	5.0329	4.0	0.3209	3.9	1.00	1794	62	1825	34	1860	7	1860	7	96
21	206	108,525	0.55	8.7878	0.5	5.1024	1.7	0.3252	1.7	0.95	1815	26	1837	15	1861	10	1861	10	98
72	125	53,388	0.81	8.7788	1.4	4.9658	5.7	0.3162	5.5	0.97	1771	85	1814	48	1863	26	1863	26	95
24	344	63,113	0.32	8.7657	0.3	5.2357	1.2	0.3329	1.2	0.97	1852	19	1858	11	1865	5	1865	5	99
48	125	63,897	0.89	8.7653	1.4	5.3032	2.0	0.3371	1.4	0.72	1873	23	1869	17	1865	25	1865	25	100
31	67	31,130	0.66	8.7592	3.1	5.1331	4.0	0.3261	2.5	0.64	1819	40	1842	34	1867	55	1867	55	97
95	162	61,369	1.03	8.7574	0.9	5.3201	1.4	0.3379	1.0	0.73	1877	16	1872	12	1867	17	1867	17	101
93	154	75,804	0.55	8.7529	0.8	5.2586	2.3	0.3338	2.1	0.94	1857	34	1862	19	1868	14	1868	14	99
100	283	52,118	1.04	8.7210	0.4	4.8826	5.2	0.3088	5.2	1.00	1735	79	1799	44	1875	7	1875	7	93
89	165	132,820	0.41	8.7118	1.0	5.3338	2.8	0.3370	2.7	0.94	1872	43	1874	24	1877	17	1877	17	100
14	116	87,493	0.63	8.7101	0.9	5.0377	2.4	0.3182	2.2	0.93	1781	34	1826	20	1877	16	1877	16	95
36	100	50,377	0.77	8.7062	1.5	5.3705	2.0	0.3391	1.4	0.68	1882	23	1880	17	1878	27	1878	27	100
54	205	41,320	0.81	8.6711	2.1	5.1534	4.1	0.3241	3.6	0.86	1810	56	1845	35	1885	38	1885	38	96
29	143	81,621	0.35	8.6699	0.9	5.2870	1.5	0.3324	1.3	0.83	1850	21	1867	13	1885	16	1885	16	98
94	113	39,454	0.67	8.6635	1.9	5.3464	2.3	0.3359	1.2	0.53	1867	20	1876	20	1887	35	1887	35	99
38	64	52,024	0.69	8.6588	2.3	5.3058	3.3	0.3332	2.4	0.72	1854	38	1870	28	1888	41	1888	41	98
98	185	81,522	1.25	8.5864	0.8	5.5306	1.7	0.3444	1.5	0.89	1908	26	1905	15	1903	14	1903	14	100
4	52	15,978	1.63	8.5488	1.9	5.5544	2.1	0.3444	0.9	0.44	1908	15	1909	18	1911	34	1911	34	100

37	144	47,750	0.77	8.5071	1.3	5.5411	3.7	0.3419	3.4	0.94	1896	56	1907	31	1919	23	1919	23	99
39	88	30,602	0.64	8.4339	1.2	5.5741	1.6	0.3410	1.0	0.64	1891	17	1912	14	1935	22	1935	22	98
63	28	18,643	1.65	8.4169	5.4	5.5886	5.7	0.3412	2.0	0.36	1892	33	1914	49	1938	96	1938	96	98
66	106	41,132	1.13	8.3790	0.8	5.8023	1.5	0.3526	1.3	0.84	1947	21	1947	13	1946	15	1946	15	100
27	187	188,789	0.49	8.2495	1.1	5.9490	1.9	0.3559	1.6	0.81	1963	27	1968	17	1974	20	1974	20	99
77	42	16,171	0.74	8.2307	2.5	5.8388	3.7	0.3485	2.7	0.73	1928	46	1952	32	1978	45	1978	45	97
50	107	60,008	0.53	8.2047	1.0	6.0891	1.3	0.3623	0.8	0.61	1993	13	1989	11	1984	18	1984	18	100
55	105	91,518	0.42	8.2036	1.0	6.1768	2.9	0.3675	2.8	0.94	2018	48	2001	26	1984	18	1984	18	102
56	278	65,613	0.64	8.1897	0.7	5.7414	1.8	0.3410	1.7	0.93	1892	27	1938	16	1987	12	1987	12	95
8	68	33,311	0.91	8.1807	1.3	6.1799	2.2	0.3667	1.8	0.82	2014	32	2002	20	1989	23	1989	23	101
82	68	83,585	0.81	8.1748	1.4	5.9367	1.8	0.3520	1.2	0.65	1944	20	1967	16	1990	25	1990	25	98
59	20	11,700	0.66	8.172	5.2	6.4975	5.8	0.3851	2.6	0.44	2100	46	2046	51	1991	93	1991	93	105
69	92	102,060	0.75	8.1698	0.9	6.1663	1.4	0.3654	1.1	0.79	2008	20	2000	13	1992	16	1992	16	101
7	109	105,429	1.70	8.1639	0.9	6.0568	1.8	0.3586	1.5	0.87	1976	26	1984	16	1993	16	1993	16	99
9	145	61,024	0.85	8.1582	0.7	6.0186	3.5	0.3561	3.4	0.98	1964	58	1979	30	1994	13	1994	13	98
80	115	53,257	0.33	8.1418	1.1	6.1993	3.8	0.3661	3.6	0.95	2011	62	2004	33	1998	20	1998	20	101
30	133	76,867	0.41	8.1378	1.2	5.9999	1.9	0.3541	1.5	0.78	1954	25	1976	16	1998	21	1998	21	98
44	168	85,490	0.62	8.1289	0.8	6.0946	1.4	0.3593	1.2	0.83	1979	20	1989	13	2000	14	2000	14	99
83	139	78,246	0.41	8.1250	0.9	5.8858	1.6	0.3468	1.4	0.84	1919	23	1959	14	2001	16	2001	16	96
78	259	92,120	0.48	8.1173	0.4	5.9147	1.3	0.3482	1.3	0.96	1926	21	1963	11	2003	7	2003	7	96
19	190	240,384	0.42	8.1117	0.4	6.2230	0.9	0.3661	0.8	0.89	2011	14	2008	8	2004	7	2004	7	100
32	157	173,476	0.48	8.0991	0.8	6.0989	1.7	0.3583	1.5	0.89	1974	25	1990	15	2007	14	2007	14	98
75	35	25,634	0.89	8.0774	2.5	6.1986	4.0	0.3631	3.1	0.77	1997	53	2004	35	2012	45	2012	45	99
33	93	47,849	0.44	8.0309	1.1	6.1818	1.6	0.3601	1.1	0.70	1982	19	2002	14	2022	20	2022	20	98
20	323	184,470	0.40	7.9140	0.6	6.5987	1.0	0.3788	0.9	0.85	2070	16	2059	9	2048	10	2048	10	101
99	188	66,536	0.78	7.7750	0.5	6.2318	1.8	0.3514	1.7	0.96	1941	29	2009	16	2079	9	2079	9	93
64	115	56,112	0.53	7.7615	1.5	6.7488	2.9	0.3799	2.5	0.85	2076	44	2079	26	2082	27	2082	27	100
34	182	55,453	0.37	7.7364	1.1	6.6264	1.9	0.3718	1.6	0.82	2038	28	2063	17	2088	20	2088	20	98
84	112	41,008	0.68	7.7041	1.5	6.6072	3.0	0.3692	2.6	0.86	2026	44	2060	26	2095	26	2095	26	97
76	86	13,782	0.60	7.6682	2.4	6.7962	2.7	0.3780	1.2	0.46	2067	22	2085	24	2103	42	2103	42	98
6	164	58,208	0.37	7.6372	0.9	6.8380	1.8	0.3788	1.5	0.86	2070	27	2091	16	2111	16	2111	16	98
40	196	200,383	0.49	7.6248	0.6	6.9448	1.5	0.3840	1.3	0.90	2095	24	2104	13	2113	11	2113	11	99
28	107	54,105	0.40	7.5223	0.8	7.0700	2.0	0.3857	1.8	0.92	2103	32	2120	18	2137	14	2137	14	98
70	206	54,413	0.03	7.5050	0.6	7.5855	2.7	0.4129	2.7	0.98	2228	50	2183	24	2141	10	2141	10	104
1	65	87,931	0.66	7.3958	1.5	7.2995	2.0	0.3915	1.3	0.67	2130	24	2149	18	2167	25	2167	25	98
45	96	58,487	0.66	7.3705	1.1	6.7363	5.4	0.3601	5.3	0.98	1983	91	2077	48	2173	19	2173	19	91
74	119	74,048	0.49	7.0323	1.0	7.6899	5.2	0.3922	5.1	0.98	2133	92	2195	47	2254	17	2254	17	95
46	484	37,601	0.61	6.8565	0.5	7.7547	3.9	0.3856	3.9	0.99	2103	69	2203	35	2298	8	2298	8	92
15	100	42,051	0.51	6.8565	1.0	8.6113	5.0	0.4282	4.9	0.98	2298	95	2298	45	2298	17	2298	17	100
12	251	113,200	0.54	6.8330	0.3	8.4566	1.3	0.4191	1.3	0.98	2256	25	2281	12	2304	5	2304	5	98
87	338	41,006	0.63	6.8173	0.5	8.0470	5.0	0.3979	5.0	0.99	2159	91	2236	45	2308	9	2308	9	94

81	307	67,516	0.35	6.8164	0.6	8.2613	4.4	0.4084	4.3	0.99	2208	81	2260	40	2308	10	2308	10	96
22	305	357,901	0.53	6.7776	0.4	8.8658	2.1	0.4358	2.1	0.98	2332	40	2324	19	2318	7	2318	7	101
26	225	427,077	0.64	6.7593	0.4	8.8386	2.3	0.4333	2.3	0.99	2321	45	2321	21	2322	6	2322	6	100
57	118	174,720	0.47	6.7531	0.7	8.9190	1.8	0.4368	1.6	0.91	2336	32	2330	16	2324	13	2324	13	101
90	155	99,687	0.58	6.7512	0.8	8.6215	1.7	0.4221	1.5	0.89	2270	28	2299	15	2324	13	2324	13	98
97	232	29,010	0.62	6.7228	0.6	8.1395	2.8	0.3969	2.7	0.98	2155	50	2247	25	2332	10	2332	10	92
35	83	137,245	0.43	6.0391	0.7	10.4767	1.6	0.4589	1.4	0.91	2435	29	2478	15	2514	11	2514	11	97
73	309	60,765	0.47	5.9011	0.3	11.1484	1.1	0.4771	1.0	0.95	2515	21	2536	10	2552	5	2552	5	99
88	361	1,921	0.48	5.856	2.3	10.1140	3.2	0.4296	2.2	0.70	2304	43	2445	30	2565	39	2565	39	90
16	31	20,678	0.85	5.7585	1.9	11.5295	5.1	0.4815	4.7	0.93	2534	99	2567	48	2593	32	2593	32	98
91	155	56,735	0.62	5.7335	0.7	11.9819	2.6	0.4982	2.5	0.97	2606	54	2603	24	2600	11	2600	11	100
23	30	20,097	0.59	5.4754	2.2	12.9017	2.9	0.5123	1.9	0.64	2667	41	2672	27	2677	37	2677	37	100
43	39	18,735	0.76	5.4530	1.6	12.6836	2.7	0.5016	2.2	0.81	2621	48	2656	26	2684	26	2684	26	98
25	32	21,312	0.72	5.3879	1.4	12.7307	3.3	0.4975	3.0	0.91	2603	63	2660	31	2704	23	2704	23	96

Rejected analyses

86	447	30,115	0.47	8.3279	0.3	5.0893	1.1	0.3074	1.1	0.97	1728	16	1834	10	1957	5	1957	5	88
41	178	13,730	0.66	8.5593	0.8	4.7645	1.8	0.2958	1.7	0.91	1670	24	1779	15	1908	14	1908	14	88
92	327	34,093	0.48	6.8681	0.3	6.9936	3.4	0.3484	3.3	1.00	1927	56	2111	30	2295	5	2295	5	84
11	435	12,620	0.41	7.9635	0.5	4.6236	3.8	0.2670	3.7	0.99	1526	51	1754	32	2037	10	2037	10	75
10	305	26,117	0.39	7.3877	0.8	6.4256	5.7	0.3443	5.6	0.99	1907	92	2036	50	2169	14	2169	14	88
13	67	31,272	0.86	8.4287	2.5	5.3378	6.7	0.3263	6.2	0.93	1820	99	1875	58	1936	44	1936	44	94
49	29	15,194	0.81	5.6310	1.7	12.5859	8.0	0.5140	7.8	0.98	2674	170	2649	75	2630	29	2630	29	102
96	16	7,542	1.24	6.5706	6.5	9.2183	11	0.4393	8.4	0.79	2347	165	2360	98	2371	111	2371	111	99
79	75	22,299	0.48	5.9171	1.3	9.8439	8.8	0.4225	8.7	0.99	2272	167	2420	81	2548	21	2548	21	89
52	144	49,300	0.36	7.771	2.4	7.6299	10	0.4300	10	0.97	2306	197	2188	94	2080	42	2080	42	111
71	489	20,706	0.57	9.298	0.8	2.8358	9.7	0.1912	9.6	1.00	1128	100	1365	73	1758	14	1758	14	64
61	508	8,068	0.51	6.794	1.9	7.9473	11	0.3916	11	0.99	2130	198	2225	100	2313	32	2313	32	92
67	319	20,626	0.76	8.929	0.8	4.6799	15	0.3030	15	1.00	1706	221	1764	124	1832	15	1832	15	93
42	203	53,455	0.90	6.929	0.9	7.7212	15	0.3880	15	1.00	2114	277	2199	139	2280	16	2280	16	93
51	371	38,252	0.14	8.402	3.6	5.2758	19	0.3215	18	0.98	1797	287	1865	161	1942	65	1942	65	93
2	46	14,049	1.44	9.383	3.1	5.2299	19	0.3559	19	0.99	1963	319	1858	164	1742	56	1742	56	113
53	301	12,083	0.81	7.587	7.8	7.8014	29	0.4293	28	0.96	2302	544	2208	268	2122	137	2122	137	108
47	202	2,032	0.80	7.110	3.3	4.6062	34	0.2375	34	1.00	1374	422	1750	293	2235	57	2235	57	61
58	830	1,330	0.43	9.232	3.6	1.3616	37	0.0912	37	1.00	562	200	873	222	1771	66	1771	66	32
17	295	21,608	0.53	8.086	2.5	2.8468	50	0.1670	50	1.00	995	464	1368	397	2010	44	2010	44	50

Sample 12-67 - St Cyr Snowcap Assemblage

UTM: Zone 08V 0621889 6777429

(n=80/100)

29	101	275,121	0.76	9.6718	0.8	4.3316	2.9	0.3038	2.8	0.96	1710	42	1699	24	1686	14	1686	14	101
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90	95	110,720	0.74	9.1961	0.8	4.7800	1.0	0.3188	0.6	0.56	1784	9	1781	8	1778	15	1778	15	100
72	117	152,371	0.63	9.1914	0.5	4.8134	2.4	0.3209	2.3	0.97	1794	37	1787	20	1779	10	1779	10	101
24	216	344,342	1.12	9.1777	0.4	4.7016	2.1	0.3130	2.1	0.99	1755	32	1768	18	1782	7	1782	7	98
85	299	459,426	0.21	9.1764	0.2	4.8540	3.2	0.3230	3.2	1.00	1805	51	1794	27	1782	3	1782	3	101
76	278	368,295	0.34	9.1635	0.2	4.7972	1.1	0.3188	1.0	0.99	1784	16	1784	9	1785	3	1785	3	100
17	168	132,262	0.75	8.9919	0.5	4.6124	2.0	0.3008	1.9	0.97	1695	28	1752	16	1819	9	1819	9	93
45	205	224,113	0.51	8.9664	0.6	4.8885	2.9	0.3179	2.9	0.98	1779	44	1800	25	1824	10	1824	10	98
64	226	33,563	1.34	8.8778	0.4	4.7707	2.8	0.3072	2.8	0.99	1727	42	1780	24	1842	7	1842	7	94
95	77	170,397	0.86	8.8614	0.8	5.1853	1.0	0.3333	0.7	0.64	1854	11	1850	9	1846	14	1846	14	100
53	117	59,692	1.01	8.8552	0.7	4.9523	7.3	0.3181	7.3	0.99	1780	113	1811	62	1847	13	1847	13	96
25	96	126,996	1.19	8.8509	0.8	5.2264	3.8	0.3355	3.7	0.98	1865	60	1857	32	1848	14	1848	14	101
46	109	141,162	0.91	8.8501	0.7	5.2260	1.5	0.3354	1.4	0.90	1865	22	1857	13	1848	12	1848	12	101
93	414	82,421	0.47	8.8486	0.1	4.7194	0.8	0.3029	0.8	0.99	1706	11	1771	6	1848	2	1848	2	92
74	185	119,178	0.50	8.8375	0.4	4.9784	1.9	0.3191	1.8	0.98	1785	28	1816	16	1851	7	1851	7	96
75	53	63,457	1.39	8.8344	1.1	4.9163	1.7	0.3150	1.3	0.76	1765	20	1805	14	1851	20	1851	20	95
81	36	64,278	0.87	8.8196	1.7	5.2779	2.4	0.3376	1.7	0.70	1875	28	1865	21	1854	31	1854	31	101
28	54	92,545	1.64	8.8004	0.8	5.2180	1.0	0.3330	0.6	0.55	1853	9	1856	8	1858	15	1858	15	100
71	70	168,217	0.77	8.7988	0.6	5.3018	1.4	0.3383	1.2	0.89	1879	20	1869	12	1859	11	1859	11	101
83	51	71,599	0.75	8.7821	0.7	5.3012	1.8	0.3377	1.6	0.91	1875	27	1869	15	1862	13	1862	13	101
10	109	263,761	0.73	8.7781	0.4	5.2434	0.7	0.3338	0.6	0.82	1857	10	1860	6	1863	8	1863	8	100
13	130	357,232	0.54	8.7581	0.7	5.3339	1.3	0.3388	1.1	0.84	1881	17	1874	11	1867	12	1867	12	101
77	94	115,171	0.74	8.7556	0.4	5.2224	0.9	0.3316	0.8	0.90	1846	12	1856	7	1867	7	1867	7	99
16	200	296,579	1.04	8.7472	0.2	5.2657	1.8	0.3341	1.8	0.99	1858	29	1863	16	1869	4	1869	4	99
51	80	187,373	0.56	8.7448	0.7	5.3283	1.5	0.3379	1.4	0.90	1877	23	1873	13	1870	12	1870	12	100
59	28	39,266	1.47	8.6855	1.6	5.3811	1.8	0.3390	0.8	0.45	1882	13	1882	15	1882	29	1882	29	100
89	59	123,764	1.20	8.6233	1.3	5.5441	2.1	0.3467	1.7	0.79	1919	27	1907	18	1895	23	1895	23	101
70	57	114,303	0.84	8.5862	1.3	5.6664	1.9	0.3529	1.3	0.71	1948	22	1926	16	1903	24	1903	24	102
92	158	267,802	1.61	8.5557	0.5	5.5690	2.2	0.3456	2.1	0.98	1913	35	1911	19	1909	8	1909	8	100
68	42	72,180	1.23	8.5459	1.0	5.5778	2.0	0.3457	1.8	0.87	1914	30	1913	18	1911	18	1911	18	100
52	97	83,942	0.80	8.5318	0.4	5.5470	0.8	0.3432	0.7	0.89	1902	11	1908	7	1914	6	1914	6	99
37	26	25,233	1.88	8.5304	2.1	5.4800	2.4	0.3390	1.1	0.47	1882	19	1897	21	1914	38	1914	38	98
98	65	232,307	1.21	8.4923	0.8	5.7266	2.1	0.3527	1.9	0.92	1948	32	1935	18	1922	14	1922	14	101
4	248	432,346	0.36	8.4799	0.2	5.6674	0.9	0.3486	0.9	0.96	1928	14	1926	8	1925	4	1925	4	100
11	116	21,701	1.44	8.3520	0.4	5.3276	4.7	0.3227	4.7	1.00	1803	74	1873	41	1952	6	1952	6	92
88	247	254,106	0.71	8.2323	0.3	5.3967	1.1	0.3222	1.0	0.97	1801	16	1884	9	1978	5	1978	5	91
22	137	107,481	1.26	8.2302	0.3	5.5206	1.7	0.3295	1.7	0.98	1836	27	1904	15	1978	6	1978	6	93
9	126	191,613	1.43	8.2029	0.5	6.0644	0.9	0.3608	0.7	0.82	1986	13	1985	8	1984	9	1984	9	100
57	241	296,627	0.68	8.1766	0.2	6.0956	0.7	0.3615	0.7	0.97	1989	12	1990	6	1990	3	1990	3	100
78	85	106,597	1.65	8.1719	0.4	6.1368	1.4	0.3637	1.4	0.96	2000	24	1995	13	1991	7	1991	7	100
35	283	214,368	0.52	8.1712	0.2	5.9756	0.6	0.3541	0.5	0.93	1954	9	1972	5	1991	4	1991	4	98
86	165	301,850	0.46	8.1487	0.2	6.3199	2.5	0.3735	2.5	1.00	2046	43	2021	22	1996	4	1996	4	102

23	158	217,305	1.38	8.1390	0.5	5.9016	3.1	0.3484	3.1	0.99	1927	52	1961	27	1998	9	1998	9	96
62	93	190,594	0.99	8.1282	0.3	6.2606	0.8	0.3691	0.8	0.95	2025	14	2013	7	2001	5	2001	5	101
48	78	22,861	0.71	8.0971	0.6	6.3978	4.0	0.3757	3.9	0.99	2056	69	2032	35	2007	10	2007	10	102
82	109	160,638	0.84	8.0944	0.5	6.2447	1.5	0.3666	1.4	0.93	2013	24	2011	13	2008	9	2008	9	100
66	39	37,116	0.82	8.0739	1.4	6.2360	2.9	0.3652	2.6	0.87	2007	44	2010	26	2012	25	2012	25	100
67	162	75,797	1.19	7.9267	0.3	6.0619	3.3	0.3485	3.3	0.99	1927	55	1985	29	2045	6	2045	6	94
80	143	207,203	0.52	7.8976	0.5	6.5941	2.2	0.3777	2.1	0.97	2066	37	2059	19	2052	9	2052	9	101
18	323	44,086	1.74	7.8590	0.2	6.0978	0.7	0.3476	0.7	0.95	1923	11	1990	6	2060	4	2060	4	93
97	226	240,868	0.73	7.8063	0.2	6.1303	1.4	0.3471	1.4	0.99	1921	23	1995	12	2072	4	2072	4	93
65	177	259,491	0.76	7.6633	0.2	6.9493	0.8	0.3862	0.8	0.95	2105	14	2105	7	2105	4	2105	4	100
14	45	117,858	0.50	7.6522	0.9	7.0350	1.6	0.3904	1.3	0.84	2125	24	2116	14	2107	15	2107	15	101
1	99	282,995	0.38	7.5677	0.6	7.1980	0.9	0.3951	0.7	0.78	2146	13	2136	8	2127	10	2127	10	101
26	51	58,110	0.49	7.4700	0.8	7.5024	2.1	0.4065	1.9	0.93	2199	36	2173	19	2149	13	2149	13	102
91	146	39,660	0.61	7.4644	0.7	7.1590	2.6	0.3876	2.5	0.97	2112	45	2131	23	2151	12	2151	12	98
73	36	65,455	0.94	7.3668	0.9	7.5695	1.3	0.4044	0.9	0.71	2189	17	2181	12	2174	16	2174	16	101
32	61	151,877	0.53	7.2443	0.8	7.4194	3.1	0.3898	3.0	0.97	2122	54	2163	28	2203	13	2203	13	96
33	213	19,127	1.15	6.9651	0.9	7.6382	3.8	0.3858	3.7	0.97	2104	66	2189	34	2271	15	2271	15	93
99	207	119,037	0.68	6.9545	0.9	8.3456	6.1	0.4209	6.0	0.99	2265	115	2269	55	2273	15	2273	15	100
54	59	74,353	0.88	6.8311	0.9	8.7907	1.2	0.4355	0.9	0.72	2331	18	2317	11	2304	15	2304	15	101
61	138	308,760	0.38	6.8153	0.3	8.9164	1.3	0.4407	1.2	0.97	2354	25	2329	12	2308	5	2308	5	102
7	65	145,355	0.70	6.8067	0.5	8.4886	1.9	0.4191	1.8	0.97	2256	34	2285	17	2310	8	2310	8	98
31	208	169,583	0.59	6.8058	0.2	8.3357	3.9	0.4115	3.9	1.00	2222	74	2268	36	2311	3	2311	3	96
50	89	200,856	0.64	6.7981	0.2	8.7790	0.9	0.4328	0.9	0.97	2319	17	2315	8	2312	4	2312	4	100
12	155	308,417	0.37	6.7862	0.4	9.0123	1.0	0.4436	0.9	0.93	2367	18	2339	9	2315	6	2315	6	102
56	158	263,054	0.58	6.7562	0.3	8.8537	1.8	0.4338	1.8	0.99	2323	36	2323	17	2323	4	2323	4	100
2	88	200,640	1.28	6.6649	0.7	8.9811	2.3	0.4341	2.2	0.95	2324	42	2336	21	2346	12	2346	12	99
79	194	1,097,720	0.54	6.4973	0.2	9.5210	1.3	0.4487	1.2	0.99	2389	25	2390	12	2390	3	2390	3	100
30	98	118,676	0.52	6.1168	0.4	10.0545	1.9	0.4460	1.9	0.97	2378	37	2440	18	2492	7	2492	7	95
34	174	327,189	0.75	5.9825	0.1	11.2107	1.0	0.4864	1.0	0.99	2555	20	2541	9	2529	2	2529	2	101
96	88	200,249	1.07	5.8083	0.3	11.7613	0.6	0.4955	0.6	0.90	2594	12	2586	6	2579	4	2579	4	101
49	121	133,917	1.64	5.7582	0.3	10.5161	2.0	0.4392	2.0	0.99	2347	39	2481	18	2593	5	2593	5	91
58	158	388,765	0.61	5.7406	0.3	11.9817	6.1	0.4989	6.1	1.00	2609	131	2603	57	2598	5	2598	5	100
43	58	129,166	0.77	5.7353	1.2	12.3865	1.4	0.5152	0.7	0.48	2679	15	2634	13	2600	21	2600	21	103
40	177	140,070	0.41	5.5663	0.3	12.4816	2.0	0.5039	2.0	0.99	2630	43	2641	19	2650	4	2650	4	99
87	99	181,053	1.23	5.5602	0.3	11.7377	4.1	0.4733	4.1	1.00	2498	84	2584	38	2651	5	2651	5	94
21	34	58,134	0.96	5.4638	0.7	13.1518	1.2	0.5212	1.0	0.83	2704	22	2691	12	2680	11	2680	11	101
63	67	194,783	0.57	5.4513	0.4	12.4434	4.9	0.4920	4.9	1.00	2579	104	2638	46	2684	7	2684	7	96
39	62	121,555	0.64	5.4123	0.4	13.2785	1.1	0.5212	1.0	0.93	2704	22	2700	10	2696	6	2696	6	100

Rejected analyses

15	28	28,665	0.97	12.8429	4.2	2.1210	4.5	0.1976	1.5	0.34	1162	16	1156	31	1143	84	1143	84	102
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69	857	2,972	0.96	9.9072	1.1	1.5783	6.9	0.1134	6.8	0.99	693	45	962	43	1641	20	1641	20	42
27	76	24,742	1.07	9.2737	1.0	4.0155	7.8	0.2701	7.7	0.99	1541	106	1637	63	1763	19	1763	19	87
100	350	36,448	0.65	9.0830	1.2	4.2437	7.4	0.2796	7.4	0.99	1589	104	1683	61	1801	22	1801	22	88
8	159	65,465	1.53	8.9434	1.0	4.4521	16	0.2888	16	1.00	1635	225	1722	130	1829	18	1829	18	89
20	325	7,337	0.97	8.8976	0.5	3.6437	2.5	0.2351	2.4	0.98	1361	30	1559	20	1838	8	1838	8	74
41	31	6,601	0.95	8.8523	2.7	3.2895	5.3	0.2112	4.5	0.86	1235	51	1479	41	1848	48	1848	48	67
38	36	12,468	2.43	8.5908	1.2	4.5130	12	0.2812	12	0.99	1597	173	1733	102	1902	22	1902	22	84
47	52	97,730	0.57	8.5640	1.1	4.7835	3.5	0.2971	3.3	0.95	1677	49	1782	29	1907	19	1907	19	88
36	186	59,383	0.25	8.2210	0.1	5.1240	1.7	0.3055	1.7	1.00	1719	26	1840	15	1980	2	1980	2	87
60	162	11,475	1.56	8.2172	3.2	3.7508	12	0.2235	11	0.96	1301	131	1582	93	1981	57	1981	57	66
3	618	4,998	0.40	8.0383	1.4	2.6607	12	0.1551	12	0.99	930	100	1318	86	2020	25	2020	25	46
84	208	8,634	1.06	7.1074	2.4	6.9983	12	0.3607	12	0.98	1986	204	2111	109	2236	41	2236	41	89
44	50	44,433	0.66	7.0699	2.2	5.8101	18	0.2979	17	0.99	1681	258	1948	153	2245	38	2245	38	75
42	278	187,833	0.35	6.9824	0.2	7.3169	1.3	0.3705	1.3	0.99	2032	23	2151	12	2266	3	2266	3	90
19	224	63,968	0.60	6.9745	0.2	6.9678	5.8	0.3525	5.8	1.00	1946	98	2107	52	2268	4	2268	4	86
5	282	44,155	0.52	6.9716	0.3	6.0513	6.5	0.3060	6.5	1.00	1721	98	1983	56	2269	5	2269	5	76
55	160	83,249	1.42	6.8125	0.3	7.6474	2.8	0.3779	2.8	0.99	2066	49	2190	25	2309	6	2309	6	89
6	265	53,898	0.95	6.5794	1.0	6.4446	28	0.3075	28	1.00	1729	419	2038	247	2368	17	2368	17	73
94	435	18,995	0.49	6.3268	0.7	4.4824	2.7	0.2057	2.6	0.96	1206	28	1728	22	2435	12	2435	12	50

Notes:

1. Best age is determined from 207Pb/206Pb age for analyses with 206Pb/238U age > 1000 Ma.
2. Concordance is based on 206Pb/238U age / 206Pb/207Pb age. .
3. Analyses with >10% discordance, >5% reverse discordance, or >10% uncertainty (2-sigma) in Best Age are not included in discussion.
4. All uncertainties are reported at the 1-sigma level, and include only measurement errors.
5. Systematic errors are as follows (at 2-sigma level): 1.1% (206Pb/238U) & 1.1 % (207Pb/206Pb)].
6. Analyses conducted by LA-MC-ICPMS, as described by Gehrels et al. (2008).
7. U concentration and U/Th are calibrated relative to Sri Lanka zircon standard and are accurate to ~20%.
8. Common Pb correction is from measured 204Pb with common Pb composition interpreted from Stacey and Kramers (1975).
9. Common Pb composition assigned uncertainties of 1.5 for 206Pb/204Pb, 0.3 for 207Pb/204Pb, and 2.0 for 208Pb/204Pb.
10. U/Pb and 207Pb/206Pb fractionation is calibrated relative to fragments of a large Sri Lanka zircon of 563.5 ± 3.2 Ma (2-sigma).
11. U decay constants and composition as follows: $^{238}\text{U} = 9.8485 \times 10^{-10}$, $^{235}\text{U} = 1.55125 \times 10^{-10}$, $^{238}\text{U}/^{235}\text{U} = 137.88$.