



QUEST DISCOVERS NEW RARE EARTH ZONE CLOSE TO THE STRANGE LAKE DEPOSIT, QUÉBEC

Highlights:

- *Surface prospecting of a two km-long airborne radiometric geophysical anomaly, less than three km northwest of the Strange Lake REE deposit, has led to the identification of an important new rare earth (REE) mineralized zone*
- *Mineralization has been characterized by surface grab sampling of outcrop, trench sub-crop and boulders over a minimum 1.7 km strike length and over widths in excess of 350 m*
- *Sampling returned up to 14.43% Total Rare Earth Oxides (TREO), with Heavy Rare Earth Elements (HREE) representing between 7% and 67% of the total REE component*
- *Exploration and definition diamond drilling of the new zone of mineralization, called the B-Zone, is currently underway*

Toronto, August 19, 2009 - Quest Uranium Corporation (TSX-V : QUC) announces that it has identified an new rare earth (REE) mineralized zone, less than three km northwest of the Strange Lake REE deposit, Québec and Labrador. The new zone, called the B-Zone, is associated with a two km-long geophysical anomaly and has been traced at surface by grab sampling **over a minimum strike length of 1.7 km and over widths of at least 350 m**. Values of **up to 14.43% total rare earth oxides (TREO)** as well as **3.63% yttrium oxide (Y₂O₃), 7.37% zirconium oxide (ZrO₂), 3.95% niobium oxide (Nb₂O₅) and 2.00% beryllium oxide (BeO)** were returned by the rock sampling program. Heavy rare earth elements (**HREE**) **represent up to 67% of the TREO** component observed in the new B-Zone. Because of the potential significance of this new discovery, Quest has commenced definition diamond drilling of the B-Zone with the view of including it in Quest's preliminary resource estimate for the property in 2010. The Strange Lake project is located 175 km north-east of Schefferville, Québec and 125 km west of the Voiseys Bay nickel-copper-cobalt deposit, currently being mined by Vale in eastern Labrador.

“Early results of surface exploration work by Quest field crews indicate that a significant new area of REE mineralization, the B-Zone, has been identified approximately three km from the Strange Lake Main zone,” said Peter Cashin, Quest’s President & CEO. “The B-Zone area rocks show intense alteration and REE mineralization of the same style observed for the Main Zone but appear to represent a better-preserved, less glacially-eroded example of the Strange Lake mineralizing system. I wish to thank our exploration crew for the perseverance and dedication they displayed in making this discovery happen.”

B-Zone Exploration Program

Reconnaissance mapping and rock geochemical sampling over a strong, two km-long airborne radiometric anomaly northwest of the Strange Lake Deposit (historical resource estimate, pre-National Instrument 43-101; Venkatswaran, 1983 – 52 million tonnes @ 3.25% ZrO₂, 0.56% Nb₂O₅, 0.66% Y₂O₃, 0.12% BeO and 1.30% TREO) had identified an new REE mineralized zone. The new B-Zone (see Figure 2) has been defined as an extensive area of outcrop, sub-crop and locally-derived boulders of Strange Lake granite. The Zone has been traced at surface **over a minimum strike-length of 1.7 km and over widths of at least 350 m**. More than 40% of the samples collected thus far have returned values in excess of 0.8% TREO as well significant quantities of Zr, Y, Nb and Be (*see* Table 1 for a listing of the best values returned by the sampling program).

The best values returned by Quest sampling of the B-Zone were:

- **14.43% TREO, 2.23% yttrium oxide (Y₂O₃), 2.09% zirconium oxide (ZrO₂), 3.95% niobium oxide (Nb₂O₅) and 0.6% beryllium oxide (BeO)**
(sample 203851)
- **10.27% TREO, 1.80% Y₂O₃, 3.23% ZrO₂, 0.91% Nb₂O₅ and 1.54% BeO**
(sample 203853)
- **8.03% TREO, 0.87% Y₂O₃, 1.18% ZrO₂, 2.20% Nb₂O₅ and 0.66% BeO**
(sample 203513)

The mineralization is associated with a highly-altered and iron-stained, fluorite-bearing Strange Lake alkali granite. The better grades of mineralization appear to be related to the equigranular aplitic and pegmatitic phases of the host granite. Given the complexity of the silicate, phosphate and oxide mineralogy of the REE zone and the host granite, samples have been sent out for mineralogical investigation. Bulk sampling and metallurgical work of this new mineralization will be undertaken towards the end of the current exploration program.

Quest's compilation of historical Strange Lake property data indicated that six Iron Ore Company of Canada (IOC) drillholes completed in the early 1980's intersected the western extremity of the B-Zone. **All holes returned wide intercepts of Zr, Y, Nb and cerium (Ce) – mineralized Strange Lake granite over widths ranging from 47 m to 60 m**. The significance of these intersections was not recognized by IOC at the time and their REE sample analysis suite was incomplete. Preliminary observations from early Quest drilling of the new B-Zone have confirmed the wide nature of the mineralized intercepts observed by IOC.

Definition Drill Program

In addition to the definition drilling currently underway over the Main Strange Lake REE zone (*see* Press Release : August 13, 2009), a program of exploration and definition drilling over the B-Zone is in progress. A minimum of 20 drillholes for 2,000 m is planned for this portion of the program (*see* Figure 3). The drilling is expected to be completed sometimes in September.

The 1983 historical mineral resource estimate referred to in this press release was prepared before the introduction of National Instrument 43-101. No qualified person has undertaken sufficient work to classify this historical resource estimate as current mineral resources or mineral reserves. Accordingly, Quest is not treating the historical resource estimate as current mineral resources or mineral reserves, as defined in National Instrument 43-101, and the historical resource estimate referred to in this press release should not be relied upon.

Quality Control

Mr. Peter Cashin, P. Geo., is the qualified person on the Strange Lake Project under National Instrument 43-101 and was responsible for this news release. Material for analysis has been obtained from grab samples from outcrop and boulders. A strict QA/QC program is followed which includes the use of elemental standards, duplicates and blanks. Analyses were performed by Activation Laboratory Limited of Ancaster, Ontario.

About Quest Uranium

Quest Uranium Corporation is a Canadian-based, exploration company focused on the identification and discovery of new world-class Rare Earth deposit opportunities. The Company is publicly-listed on the TSX Venture Exchange as "QUC" and is led by a highly-respected management and technical team with a proven mine-finding track record. Quest is currently advancing several high-potential projects in Canada's premier exploration areas: the Strange Lake area of northeastern Québec, the Kenora area of northwestern Ontario and the Plaster Rock area of northwestern New Brunswick. Quest continues to pursue high-value project opportunities throughout North America.

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TABLE 1 – Rare Earth Assay Results, B-Zone REE Discovery, Strange Lake Project, Québec

Sample Number	Easting	Northing	Media Type	Rare Earth Element Assay Values (ppm)																	TREE (%)	TREO (%)	HREE (%)	
				Be (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb				Lu
203512	427692	6242664	Trench sub-crop	148	2461	12140	3060	1450	3060	321	1060	230	12	224	55.1	401	102	344	67.6	455	59.9	0.78	0.91	21.9
203513	427895	6242774	boulder	2394	6863	8762	15400	13200	33400	3810	11900	2470	114	1390	231	1230	230	640	92.1	457	46.7	6.92	8.03	6.4
203514	427918	6242776	boulder	927	4075	28700	3520	792	2390	275	856	220	14.7	255	78.9	622	163	555	106	672	89.9	0.71	0.82	36.1
203540	427873	6242925	boulder	287	1154	9933	1130	1350	3000	341	1190	241	14.8	195	33.2	188	38.4	109	18.3	117	16.1	0.69	0.79	10.7
203560	428484	6242940	boulder	174	2290	8707	1750	1700	3050	341	1110	272	15.1	265	66	443	99.2	299	52	317	40.3	0.81	0.94	19.8
203561	427852	6242721	boulder	178	2440	4486	4070	2240	5610	629	1960	400	20.9	324	78.1	503	106	305	48.2	244	25.9	1.25	1.45	13.2
203563	427856	6242719	boulder	1317	10560	5041	7040	762	1830	204	671	378	31.4	701	180	1160	269	743	116	555	58.8	0.77	0.89	49.8
203564	427860	6242718	boulder	260	28550	16300	3140	931	2530	341	1480	934	72.5	1570	535	4070	983	2820	431	2030	215	1.89	2.20	67.2
203565	427860	6242721	boulder	209	7253	15290	7600	1300	3120	337	1070	382	28.5	583	180	1250	287	823	140	777	90.4	1.04	1.20	40.1
203572	427377	6242552	Outcrop	2887	853	3780	25100	2670	6330	568	1510	246	11.8	153	27.2	162	35.2	122	25.2	186	26.3	1.21	1.40	6.2
203573	427355	6242517	Outcrop	7210	1262	3147	8190	3190	8470	947	3050	629	29.2	349	53.2	271	50	159	27.1	147	14.9	1.74	2.02	6.3
203574	427349	6242522	Outcrop	2701	2867	5267	2900	1390	3830	449	1580	475	27.7	392	83.4	501	107	329	55.5	282	29.5	0.95	1.11	19.0
203582	429906	6243366	boulder	333	1250	6316	3650	2390	5050	559	1840	326	15	234	38.5	217	43.5	119	17.1	97.1	12.1	1.10	1.27	7.2
203584	430241	6243247	boulder	103	2095	23420	1050	1930	4100	466	1600	318	15.4	273	50.9	294	60.6	166	24.8	147	19	0.95	1.10	11.1
203586	430145	6243178	boulder	416	6111	43990	1270	1440	3080	337	1240	347	24	449	113	828	205	668	118	750	96.1	0.97	1.12	33.5
203587	430121	6243176	Outcrop	819	5192	41950	2580	2530	5210	578	2000	463	25.5	457	103	753	194	686	141	1050	159	1.43	1.66	24.9
203588	430118	6243175	Outcrop	363	3256	21590	1370	1240	2600	284	961	227	14.2	255	64.1	472	115	372	66.5	433	57.9	0.72	0.83	25.8
203590	430304	6243191	boulder	784	6717	54550	1180	1210	3040	360	1360	401	29.8	514	135	990	247	792	138	843	108	1.02	1.18	37.3
203591	430355	6243247	boulder	916	6775	29280	1620	1420	3500	358	1340	395	25.6	486	124	934	237	776	139	899	121	1.08	1.25	34.8
203601	431644	6243226	boulder	192	3494	30890	923	2030	3970	331	1010	207	13.4	219	53.8	424	114	387	69.4	435	56.3	0.93	1.08	19.0
203661	427736	6242677	Trench sub-crop	359	6154	22790	5770	1690	3920	415	1300	367	22.9	407	116	895	227	736	129	849	117	1.12	1.30	31.3
203663	427769	6242696	Trench sub-crop	425	3297	13390	7470	1990	4890	532	1650	368	19.4	317	73.3	510	118	357	59.6	391	54.1	1.13	1.31	16.8
203666	428288	6243068	boulder	724	3141	24270	1540	2940	5930	617	1970	361	17.7	271	58.2	417	103	359	70.6	511	74.1	1.37	1.59	13.7
203670	427654	6242663	boulder	310	23730	11320	11100	1800	4800	495	1610	761	64	1390	486	3900	923	2620	388	1920	204	2.14	2.48	55.7
203671	428753	6243082	boulder	764	3487	10370	5500	1420	3350	358	1210	325	20.1	356	80.9	515	114	328	54.6	320	39.3	0.85	0.98	21.5
203677	428086	6243044	boulder	558	5411	31280	15200	2250	5280	504	1420	347	21.5	399	115	830	203	644	118	788	110	1.30	1.51	24.8
203680	427850	6243098	boulder	1043	7560	5368	3550	1810	4240	541	1950	606	38.2	708	186	1210	269	741	116	607	63.1	1.31	1.52	30.1
203681	428065	6242935	boulder	1804	13980	19420	1240	1360	3140	399	1640	616	45.1	961	265	1870	440	1150	142	683	88.9	1.28	1.48	44.1
203682	428153	6243011	boulder	601	3394	23380	1080	4110	9770	1090	3570	671	33.9	474	79.7	456	93.5	267	42.2	254	32.4	2.09	2.43	8.3
203729	427346	6242525	Outcrop	78	2254	2848	16700	2190	5140	486	1390	338	18.8	233	57.9	395	92.5	305	48	208	19.1	1.09	1.27	12.6

Where: Be=beryllium, Zr=zirconium, Y=yttrium, Nb=niobium, La=lanthanum, Ce=cerium, Nd=neodymium, Sm=samarium, Pr=praseodymium, Eu=europium, Gd=gadolinium, Tb=terbium, Dy=dysprosium, Lu=lutetium, Tm=thulium, LREE=light rare earth elements, HREE=heavy rare earth elements, TREE= Total Rare Earth metals, TREO= Total Rare Earth Oxides.

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203745	427973	6242652	boulder	788	6092	39730	21500	2600	6210	561	1500	310	18.1	322	90.2	743	199	733	148	1060	147	1.46	1.70	23.6
203746	428097	6243026	boulder	540	2891	20310	12100	1420	3480	331	939	200	11.3	187	49.3	395	107	394	78.1	549	78.1	0.82	0.95	22.5
203851	427736	6242682	Trench sub-crop	2148	17530	15450	27600	25600	60700	6370	18900	3280	139	2340	471	2980	626	1660	207	1010	112	12.44	14.43	7.7
203853	429901	6243389	boulder	5543	14190	23910	6330	14400	39500	4990	17300	3720	180	2450	428	2450	493	1320	194	1030	118	8.86	10.27	9.8

Where: Be=beryllium, Zr=zirconium, Y=yttrium, Nb=niobium, La=lanthanum, Ce=cerium, Nd=neodymium, Sm=samarium, Pr=praseodymium, Eu=europium, Gd=gadolinium, Tb=terbium, Dy=dysprosium, Lu=lutetium, Tm=thulium, LREE=light rare earth elements, HREE=heavy rare earth elements, TREE= Total Rare Earth metals, TREO= Total Rare Earth Oxides.

Figure 1 – Strange Lake Project Location Map, George River area, Québec

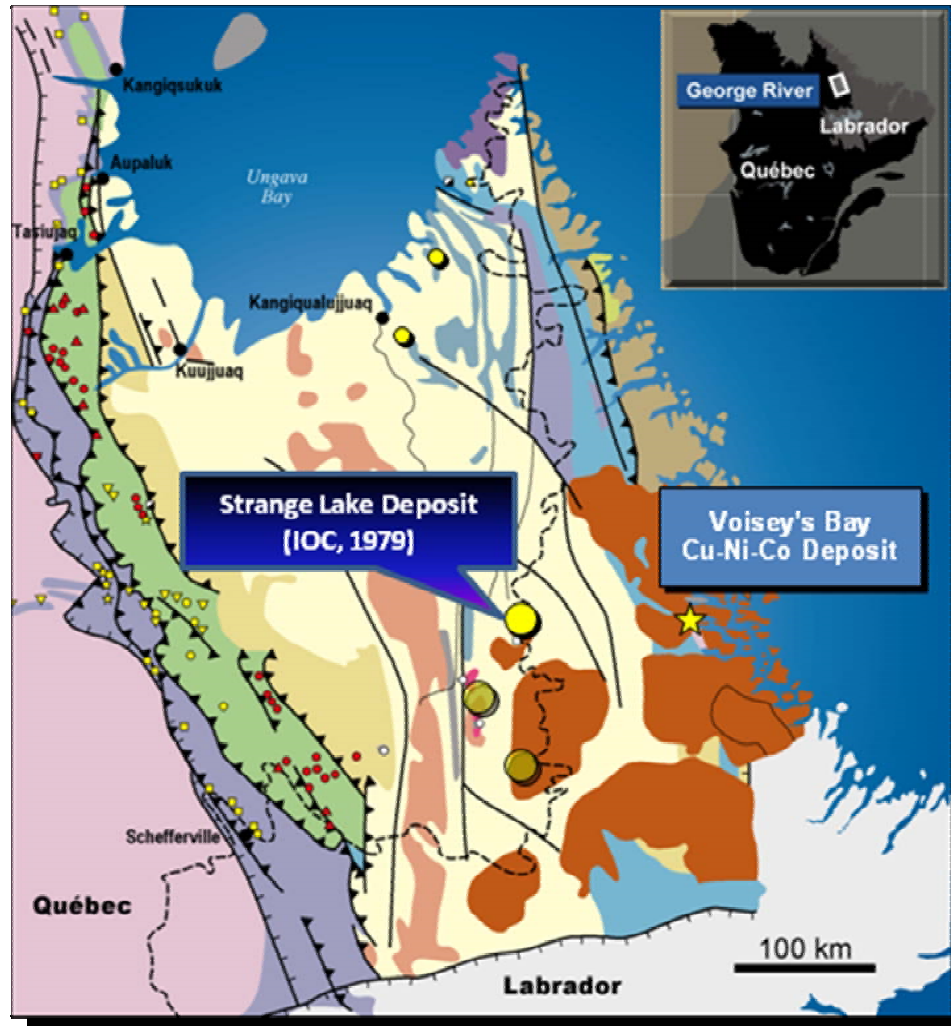


Figure 2 – B-Zone REE Discovery Location Map, Strange Lake Project, Québec

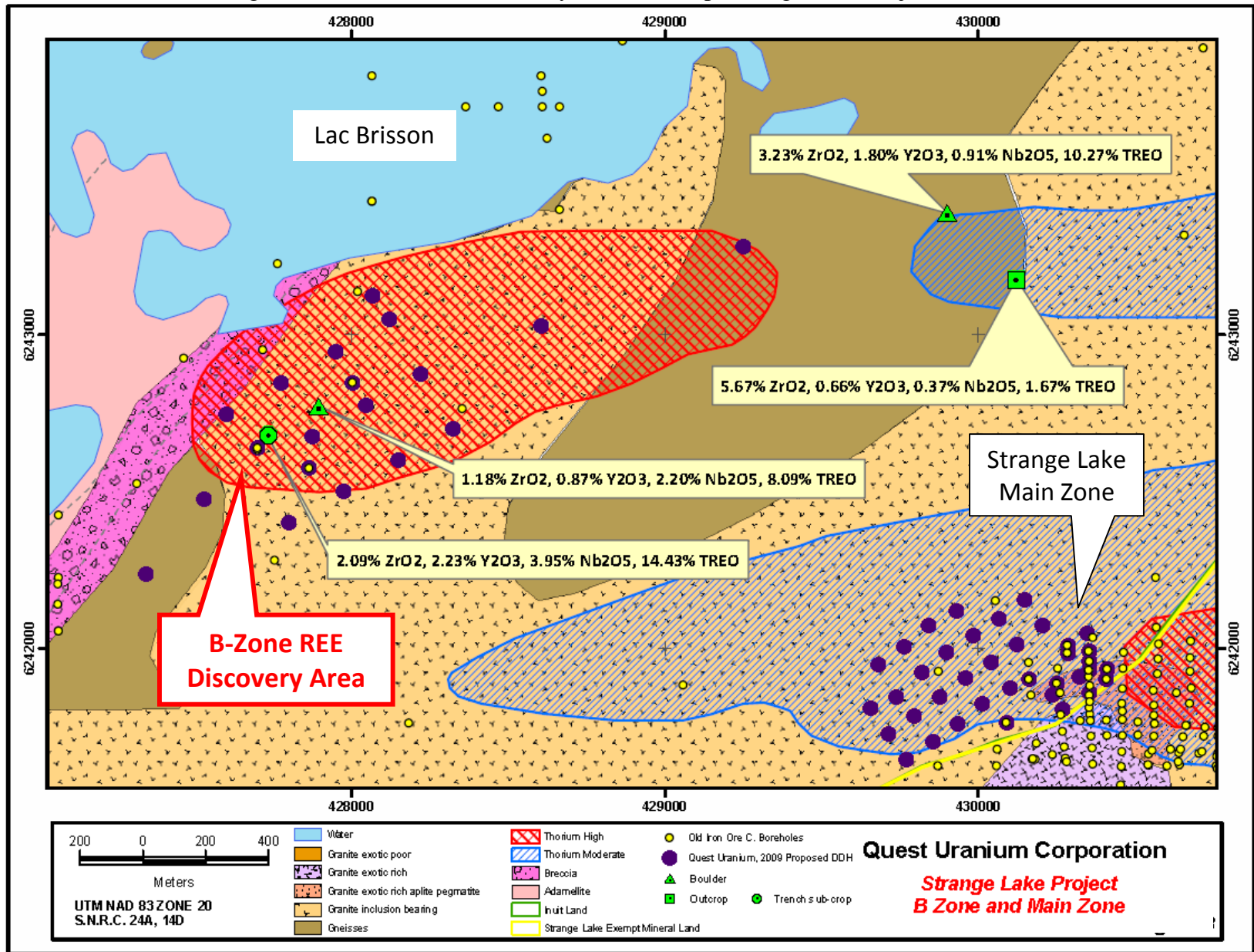


Figure 3 – B-Zone REE Discovery Compilation and Proposed Drillhole Location Map, Strange Lake Project, Québec

