Alpha Drills Strong Alteration and Anomalous Radioactivity on Middle Lake Property, Athabasca Basin

01.04.2014 | Newsfile

Vancouver, British Columbia -- (Newsfile Corp. - April 1, 2014) - Alpha Exploration Inc. (TSXV: AEX) ("Alpha" or the "Company") is pleased to announce that it has drilled ten holes with elevated radioactivity and strong alteration on the Middle Lake Property (owned 80% by Alpha and 20% by Acme Resources Inc. as a carried interest).

Drill holes ML14-019, -021, and -024 to -029 all intersected anomalous gamma radiation values based on down-hole gamma logging and hand-held scintillometer analysis. The first drill hole of the series, ML14-019, tested a well-defined gravity low anomaly and a coincident VTEM conductor located about 300 m up-ice from a boulder with a reported grade of 16.9% U3O8, and about 5 km up-ice from the historical Donna boulder field with grades up to 25% U3O8. ML14-019 intersected anomalous radioactivity and moderately to strongly bleached and pale green altered pegmatite with dark smokey quartz, that was repeatedly intruded by strongly bleached and clay altered Cluff Breccia.

Follow up drilling with holes ML14-021 and -024 to -029 at the "Donna zone" defined an approximate 40 metre wide, moderately to strongly bleached and clay altered graphitic ultramylonite and cataclasite zone with numerous intervals of Cluff Breccia; all with sporadic anomalous radioactivity. This is a highly prospective structural zone for high grade uranium mineralization, strikes grid south and is sub-vertical to steeply grid east dipping, and is bound by a pegmatite footwall and a semi-pelitic gneiss hanging wall.

The Donna zone is located along an approximate 3 km long VTEM conductor, which has offsets or breaks in continuity suggesting cross structures. The conductor skirts along the SW edge of the Skull Intrusive Complex magnetic high. This complex is part of the main divide between the interpreted NE and SW halves of the basement core within the Carswell Structure. Drill hole ML14-023 was located approximately 770 m NW along this trend from the Donna zone, and encountered wide intervals of graphitic ultramylonite that are considered a favourable host rock for uranium mineralization.

Team Alpha considers this first phase of drilling to have been an encouraging first step towards locating shallow mineralization that may be associated with a source area of the historical Donna boulder field located down-ice to the SW. A review of assays and geochemistry will be carried out upon receipt of results in order to assist in further target selection.

Table 1 - Donna Zone Anomalous Radioactivity

DDH #	Depth to Basement (m)	Mount Sopris 2PGA-1000 Downhole Gamma Probe (>500 cps) From (m)	To (m)	Width (m)	CPS	CPS Avg
ML14-019	28.0	37.39	38.54	1.15	554	821
		42.09	43.64	1.55	536	622
		50.14	50.24	0.10	505	505
		52.24	53.14	0.90	514	798
		69.14	69.24	0.10	539	539
		102.79	102.94	0.15	526	542
		106.39	106.59	0.20	545	561
		106.89	107.19	0.30	541	585
		112.44	113.24	0.80	683	988
		115.04	115.29	0.25	534	554
		116.39	116.79	0.40	616	701
ML14-021	22.0	20.60	20.80	0.20	535	550
		23.65	23.90	0.25	540	557
		30.30	30.85	0.55	985	1258
		47.10	47.35	0.25	624	720
ML14-024	26.9	41.65	41.80	0.15	511	520
		71.40	71.65	0.25	573	655
ML14-025	11.5	29.16	29.76	0.60	1181	1752
		30.36	30.76	0.40	620	739
		31.76	32.26	0.50	635	725
		32.71	33.41	0.70	725	915
		33.86	34.51	0.65	809	1026
		35.16	36.11	0.95	609	828
		44.91	45.06	0.15	558	620
ML14-026	12.2	12.90	13.90	1.00	751	995
		19.15	19.40	0.25	526	550
		48.40	49.05	0.65	848	1200
		82.60	82.85	0.25	630	743
		90.65	91.25	0.60	525	603
		96.50	97.05	0.55	647	732
		104.70	105.15	0.45	535	554
		105.90	106.30	0.40	660	771
		121.40	121.65	0.25	575	602
		122.40	122.85	0.45	619	684
		124.40	125.15	0.75	1036	1628
		126.50	126.70	0.20	527	542
		126.90	130.00	3.10	816	1438
		134.60	134.90	0.30	657	846
ML14-027	12.2	100.49	101.69	1.20	923	1441
		106.34	107.24	0.90	651	884
		109.59	110.14	0.55	1018	1265
		119.04	119.64	0.60	757	903
		126.04	126.79	0.75	683	876
ML14-028	18.7	43.45	43.70	0.25	520	544
		46.00	46.15	0.15	528	534
		47.45	49.45	2.00	612	732
		51.10	52.15	1.05	500	570
		56.20	56.30	0.10	536	536
		56.70	57.05	0.35	569	596
		57.95	58.20	0.25	534	578
		63.30	63.60	0.30	527	573
		64.35	64.70	0.35	598	678
		68.60	68.70	0.10	505	505
		71.25	71.40	0.15	537	538
ML14-029	6.3	64.26	65.36	1.10	911	1354
		67.31	68.21	0.90	709	847
		69.76	69.86	0.10	513	513
		80.91	81.16	0.25	596	669
		81.51	82.21	0.70	926	1420
		97.21	97.31	0.10	570	570
ML14-020	11.5	No Significant Anomalous Radioactivity				

A fence of three drill holes (ML14-006, -009, and -010) on the South Grid tested a gravity low trough bound by VTEM conductors with associated helium and radon anomalies. Moderately bleached and clay altered mylonite, cataclasite, and pegmatite with anomalous radioactivity was intersected in drill holes ML14-006 and -009.

Table 2 – South Grid Anomalous Radioactivity

DDH #	Depth to Basement (m)	Mount Sopris 2PGA-1000 Downhole Gamma Probe (>500 cps)			
		From (m)	To (m)	Width (m)	CPS Avg
ML14-006	12.8	78.00	79.00	1.00	719
	85.75	86.95	1.20	938	1201
ML14-009	11.3	24.32	24.92	0.60	662
	84.72	84.92	0.20	586	654
ML14-010	9.9	No Significant Anomalous Radioactivity			

All holes were radiometrically surveyed with a Mount Sopris 2PGA-1000 natural gamma probe. The reader is cautioned that a total counts gamma probe reading is the result of natural gamma radiation that may come from various sources including cosmic radiation, thorium, potassium and uranium and its radioactive decay products. CPS (counts per second) values cannot be certain to correlate with uranium grades of the rock but are a general guide of the radioactivity of minerals present in rock placed in proximity to the instrument. All intersections are down-hole, core interval measurements and true thickness is yet to be determined.

Drilling was extended from the original 2,000 m 20-hole program to the completed meterage of 3,287 m in 31 holes to better assess the Donna zone. Core samples have been submitted for geochemical and PIMA clay analysis to assist in setting priorities for the next phase of work. Assay results will be announced when available.

Split core samples were recovered continuously through intervals of anomalous radioactivity, and were submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis, which includes U3O8 (wt %) and fire assay for gold. All samples sent for analysis will include a 63 element ICP-OES, uranium by ICP-MS, and boron.

About Alpha Exploration Inc.

Alpha Exploration Inc. is a mineral exploration Company whose uranium experience was developed with the discovery of the Roughrider deposits and subsequently the Patterson Lake South discovery in 2012 via Alpha's successful JV with Fission Uranium. The principals of the Company comprise a team that were involved in the discovery and development of those world class deposits. The company started with a principal focus in the exploration and development of its Mikwam Gold Property in Ontario, and that focus has been moved to development of uranium properties in the Athabasca Basin in northern Saskatchewan, Canada. Common Shares are listed on the TSX Venture Exchange under the symbol "AEX". Additional information about Alpha is available on Alpha's website at www.alpha-aex.com or under its profile on SEDAR at www.sedar.com.

The technical information in this news release has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of Alpha Exploration Inc., by Garrett Ainsworth, P.Geo., Vice President Exploration, a qualified person.

On behalf of the Board of Directors of Alpha Exploration Inc.

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