Alpha Minerals JV Barge Drilling Closes with Significant Expansion of R780E Zone and Potential 6th Zone at Patterson Lake South

16.10.2013 | Marketwired

VANCOUVER, BRITISH COLUMBIA -- (Marketwired - Oct 16, 2013) - Alpha Minerals Inc. (TSX VENTURE:AMW) (FRANKFURT:E2GA), (the "Company" or "Alpha"), and its 50% Joint Venture partner Fission Uranium Corp. are pleased to announce results for the final ten lake holes of the summer program at their Patterson Lake South (PLS) property in Canada's Athabasca Basin. All holes intersected significant mineralization. Of particular note are drill holes PLS13-109 (99.5m total composite mineralization, including 6.87m total composite "off-scale") and PLS13-097 (90.0m total composite mineralization, including 6.35m total composite "off-scale") in the R780E zone.

Drilling Highlights include:

- PLS13-109 (line 750E)
  - **99.5m** total composite mineralization (within 105.5m - 334.5m) including:
    - **6.87m** total composite off-scale (>9999 cps) radioactivity
- PLS13-097 (line 795E)
  - **90.0m** total composite mineralization (within 74.5m - 254.5m) including:
    - **6.48m** total composite off-scale (>9999 cps) radioactivity
- PLS13-108 (line 810E)
  - **103.5m** total composite mineralization (within 80.5m - 234.5m), including:
    - **3.25m** total composite off-scale (>9999 cps) radioactivity
- PLS13-090 and -103 (line 1155E)
  - **PLS mineralized strike length extended to 1.23km**

It is very significant that none of the mineralized "zones" have been limited by drilling during the current or earlier programmes, and there is a possibility that mineralization has continuity between some or all of the "zones". The size of the mineralizing system discovered at PLS thus far correlates well with Alpha's regional context of the property.

The following drill holes are reported in this news release: PLS13-104 (R390E zone); PLS13-106 (R585E zone); PLS13-097, PLS13-101, PLS13-105, PLS13-107, PLS13-108, and PLS13-109 (R780E zone); and PLS13-090, and PLS13-103 (line 1155E) all intersected significant mineralization.

R390E Zone

The R390E zone refers to the zone of mineralization currently defined over 255m of strike length between line 225E (PLS13-093) and line 480E (PLS13-088). One additional hole was drilled on the R390E zone since the last update (see news release September 27, 2013). Drill hole PLS13-104 was a vertical collared hole on line 465E, located 15m grid west of PLS13-088. A 3.6m wide interval of Devonian sandstone (50.0m - 53.6m) overlies basement pelitic gneiss, transitioning to semi-pelitic gneiss from 210.4m to the end of hole depth of 309.2m. Several intervals of undifferentiated mylonites are present within the pelitic sequence, in intervals ranging from 2.1m to 20.6m wide. Radioactive mineralization occurs in several discrete intervals between 53.5m and 212.0m, ranging from 0.5m to 17.0m wide for a total composite of 70.0m of mineralization, including a total composite of 3.02m of off-scale radioactivity in intervals of 0.15m to 1.48m.

R390E Drill Hole Table

	Collar			* Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum)				Dev-onian Sand-stone	Base-ment Uncon-formity	Total Drill-hole
Hole ID	Grid Line	Az	Dip	From (m)	To (m)	Width (m)	CPS Peak Range	From - To (m)	Depth (m)	Depth (m)
PLS13-104	465E	26	-88	53.5	56.0	2.5	<300 - 1700	50.0 - 53.6	53.6	309.2
				58.0	73.0	15.0	<300 - 3900			
				86.0	88.5	2.5	430 - 1300			
				95.5	96.0	0.5	400			
				98.0	112.5	14.5	<300 - <9999			
				125.5	126.5	1.0	540 - 680			
				131.0	141.5	10.5	<300 - >9999			
				146.5	163.5	17.0	<300 - 6800			
				167.5	168.0	0.5	320			
				202.0	203.5	1.5	550 - 1500			
				211.5	212.0	0.5	420			

*Scintillometer Instrument: GR-110G

R585E Zone

The R585E zone refers to the zone of mineralization currently defined by only two drill holes on line 585E. One additional hole was drilled on the R585E zone since the last update (see news release September 23, 2013). PLS13-106 was a vertical collared hole on line 585E, located 10m grid north of PLS13-098. Bedrock was encountered at 53.7m, compared to a depth of 62.4m in PLS13-098. This represents a significant 8.7m vertical off-set to the top of the basement between holes. A pelitic gneiss was intersected from 53.7m to 176.2m and a semipelitic gneiss from 176.2m to 269.6m. A wide sequence of diabase was intersected from 269.6m to 332.0m. Radioactive mineralization is broad and relatively moderate to locally strong, occurring in several intervals from 0.5m to 19.5m for a total composite of 86.5m over a 160.0m section (82.5m to 242.5m). The difference in intensity of mineralization between drill holes PLS13-098 and -106 may be related to the significant fault interpreted between the 2 holes. Further drilling is required to determine the nature and control of mineralization at the R585E zone.

R585E Drill Hole Table

	Collar			* Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum)				Dev-onian Sand-stone	Base-ment Uncon-formity	Total Drill-hole
Hole ID	Grid Line	Az	Dip	From (m)	To (m)	Width (m)	CPS Peak Range	From - To (m)	Depth (m)	Depth (m)
PLS13-106	585E	170	-85	82.5	83.0	0.5	370	No Sand-stone	53.7	332.0
				101.0	105.0	4.0	<300 - 600			
				114.0	114.5	0.5	720			
				118.0	125.5	7.5	<300 - 1100			
				128.5	129.0	0.5	870			
				131.0	131.5	0.5	810			
				136.0	137.5	1.5	420 - 1700			
				151.5	155.0	3.5	<300 - 1200			
				158.0	164.0	6.0	<300 - 4400			
				166.5	184.0	17.5	<300 - 2500			
				186.5	188.0	1.5	470 - 2100			
				191.5	199.5	8.0	<300 - 1700			
				201.5	214.5	13.0	<300 - 4500			
				218.0	220.5	2.5	<300 - 950			
				223.0	242.5	19.5	<300 - 1700			

*Scintillometer Instrument: GR-110G

R780E Zone

The R780E zone refers to the zone of mineralization currently defined over 60m of strike length between line

750E (hole PLS13-109) and line 810E (PLS13-108). Six additional holes were drilled on the R780E zone since the last update (see news release September 12, 2013), for a total of 12 holes presently defining the R780E zone.

Line 750E:

- Drillhole PLS13-109 was collared as a vertical hole and drilled to a depth of 401.0m. The collar is located approximately 30m grid west of PLS13-060. Basement was intersected at 58.3m. A quartzitic gneiss is present from 58.3m to 103.4m. From 103.4m to 337.6m the lithology is dominantly pelitic gneiss with multiple intervals of undifferentiated mylonites (from 1.8m to 9.9m wide) and cataclasites. From 337.6m to the end of hole depth of 401.0m a semi-pelitic gneiss dominates. Anomalous radioactivity occurs from 105.5m coincident with the transition from quartzitic to pelitic gneiss. A total composite of 99.5m of mineralization within a 229.0m section (105.5m to 334.5m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 34.0m. A total composite of 6.87m of off-scale radioactivity occurs in several discrete intervals ranging from 0.12m to 3.28m wide.

Line 765E: Two vertically collared holes were drilled on line 765E

- Drillhole PLS13-105 was collared as a vertical hole and drilled to a depth of 419.0m. The collar is located approximately 15m grid west of PLS13-080. Basement was intersected at 55.0m. A quartzitic gneiss is present from 55.0m to 109.2m. From 109.2m to 296.6m lithology is dominantly pelitic gneiss with multiple intervals of undifferentiated mylonites (from 1.3m to 13.9m wide). From 296.6m to the end of hole depth of 419.0m a semipelitic gneiss dominates. Anomalous radioactivity occurs from 106.5m coincident with the transition from quartzitic to pelitic gneiss. A total composite of 46.5m of mineralization within a 224.0m section (106.5m to 330.5m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 18.5m. A total composite of 1.64m of off-scale radioactivity occurs in several discrete intervals ranging from 0.15m to 1.06m wide.

- Drillhole PLS13-107 was collared as a vertical hole and drilled to a depth of 402.0m. The collar is located approximately 15m grid west of PLS13-060. Basement was intersected at 56.0m. A quartzitic gneiss is present from 56.0m to 183.8m, which encompasses a pelitic gneiss unit from 67.8m to 128.6m. From 183.8m to 283.0m lithology is dominantly pelitic gneiss with a 41.5m wide interval of undifferentiated mylonites (233.7m to 275.2m). A semipelitic gneiss dominates from 283.0m to the end of hole depth of 402.0m. Anomalous radioactivity starts at 138.5m within the quartzitic gneiss. A total composite of 63.5m of mineralization within a 193.5m section (138.5m to 332.0m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 24.5m. A total composite of 1.04m of off-scale radioactivity occurs in several discrete intervals ranging from 0.13m to 0.5m wide.

Line 795E:

- Drillhole PLS13-097 was collared as a vertical hole and drilled to a depth of 356.0m. The collar is located approximately 15m grid east of PLS13-060. Basement was intersected at 55.8m. A quartzitic gneiss with minor pegmatite and mylonite intervals is present from 55.8m to 183.9m that encompasses a pelitic gneiss unit from 76.6m to 85.4m. From 183.9m to the end of hole depth of 356.0m lithology is dominantly pelitic gneiss with occasional intervals of undifferentiated mylonites (1.1m to 2.4m wide). Anomalous radioactivity begins at 74.5m in proximity to the contact between the quartzitic gneiss and pelitic gneiss. A total composite of 82.0m of mineralization within a 180.0m section (74.5m to 254.5m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 49.5m. A total composite of 6.48m of off-scale radioactivity occurs in several discrete intervals ranging from 0.1m to 3.63m wide.

Line 810E: Two vertically collared holes were drilled on line 810E

- Drillhole PLS13-101 was collared as a vertical hole and drilled to a depth of 350.0m. The collar is located approximately 15m grid east of PLS13-097. Basement was intersected at 67.4m, which is 11.8m deeper than the depth of basement intersected in PLS13-097, which may represent an important structural feature. From 67.4m to 192.6m lithology is pelitic gneiss with occasional pegmatite injections up to 2.2m thick. Semipelitic gneiss was intersected from 192.6m to 275.6m, which is underlain by pelitic gneiss to 334.7m. From 334.7m to the end of hole depth of 350.0m a semipelitic gneiss dominates. Anomalous radioactivity starts at 69.5m within a pelitic gneiss, which is an unusually shallow depth to mineralization for the R780E zone. A total composite of 96.0m of mineralization within a 230.0m section (69.5m to 299.5m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 35.0m. A total composite of 0.51m of off-scale radioactivity occurs in several discrete narrow intervals ranging from 0.10m to 0.17m wide.

- Drillhole PLS13-108 was collared as a vertical hole and drilled to a depth of 392.0m. The collar is located approximately 10m grid north of PLS13-101. Basement was intersected at 58.3m, which is 9.1m shallower than the depth of basement intersected in PLS13-101. An alternating sequence of quartzitic and pelitic gneiss was encountered from 58.3m to 206.1m, which is underlain by semipelitic gneiss to 230.3m. From 230.3m to 332.4m lithology is dominantly pelitic gneiss with occasional intervals of undifferentiated mylonites (4.1m to 11.9m wide). From 332.4m to the end of hole depth of 392.0m a semipelitic gneiss dominates. Anomalous radioactivity begins at 80.5m within the pelitic gneiss. A total composite of 105.5m of mineralization within a 195.5m section (80.5m to 276.0m) occurs in several variably radioactive mineralized intervals ranging in width from 0.5m to 21.5m. A total composite of 3.25m of off-scale radioactivity occurs in several discrete intervals ranging from 0.14m to 0.75m wide.

R780E Drill Hole Table

	Collar			* Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum)				Dev-onian Sand-stone	Base-ment Uncon-formity	Total Drill-hole
Hole ID	Grid Line	Az	Dip	From (m)	To (m)	Width (m)	CPS Peak Range	From - To (m)	Depth (m)	Depth (m)
PLS13-097	795E	351	-86	74.5	75.5	1.0	540 - 770	No Sand-stone	55.8	356.0
				77.5	81.5	4.0	<300 - 1500			
				83.5	84.0	0.5	460			
				90.5	91.5	1.0	810 - 900			
				117.5	167.0	49.5	<300 - >9999			
				169.0	176.0	7.0	<300 - 8100			
				179.5	180.5	1.0	390 - 9700			
				182.5	188.5	6.0	300 - 850			
				204.5	206.0	1.5	300 - 850			
				220.0	222.0	2.0	320 - 8400			
				228.5	234.5	6.0	340 - >9999			
				241.0	243.0	2.0	<300 - 560			
				254.0	254.5	0.5	820			
PLS13-101	810E	23	-87	69.5	70.5	1.0	460 - 520	No Sand-stone	67.4	350.0
				78.0	84.0	6.0	<300 - 3100			
				94.5	96.0	1.5	350 - 710			
				103.0	138.0	35.0	<300 - 9200			
				141.5	159.5	18.0	<300 - 5700			
				163.0	174.5	11.5	<300 - 9900			
				179.0	196.0	17.0	<300 - >9999			
				226.0	227.0	1.0	550 - >9999			
				230.0	230.5	0.5	1100			
				251.0	251.5	0.5	470			
				290.5	292.0	1.5	640 - 1300			
				297.0	299.5	2.5	<300 - 550			
PLS13-105	765E	70	-87	106.5	110.0	3.5	<300 - 3200	No Sand-stone	55.0	419.0
				113.0	131.5	18.5	<300 - >9999			
				145.5	151.5	6.0	<300 - 2000			
				189.0	192.5	3.5	<300 - >9999			
				195.0	197.5	2.5	850 - >9999			
				203.5	205.0	1.5	460 - 2000			
				210.5	211.5	1.0	1300 - 5000			
				245.0	246.0	1.0	960 - 1200			
				249.0	249.5	0.5	1100			
				252.5	253.5	1.0	380 - 860			
				263.5	264.5	1.0	730 - 3000			
				282.0	283.0	1.0	440 - 640			
				320.5	321.0	0.5	350			
				325.5	330.5	5.0	<300 - 580			

PLS13-107	765E	49	-89	138.5	163.0	24.5	<300 - 8400	No Sand-stone	56.0	402.0
				166.0	167.5	1.5	<300 - 510			
				171.5	175.0	3.5	<300 - >9999			
				178.5	179.5	1.0	930 - 9200			
				192.5	199.0	6.5	<300 - 7200			
				203.5	204.0	0.5	1000			
				207.0	207.5	0.5	1200			
				221.0	221.5	0.5	410			
				251.5	265.0	13.5	<300 - 6400			
				267.5	274.5	7.0	<300 - 8000			
				289.0	290.0	1.0	1300 - 1800			
				306.5	309.5	3	<300 - 980			
				331.5	332.0	0.5	330			
PLS13-108	810E	271	-83	80.5	82.0	1.5	360 - 570	No Sand-stone	58.3	392.0
				88.0	88.5	0.5	380			
				91.0	112.5	21.5	<300 - 1200			
				115.5	130.0	14.5	<300 - 1600			
				132.5	149.0	16.5	<300 - 2400			
				152.0	172.0	20.0	<300 - >9999			
				174.5	195.5	21.0	<300 - >9999			
				201.0	202.0	1.0	860 - 1700			
				217.0	217.5	0.5	460			
				228.0	234.5	6.5	<300 - >9999			
				256.5	257.5	0.5	370			
				268.0	269.0	1.0	1600 - 6300			
				275.5	276.0	0.5	1600			
PLS13-109	750E	309	-89	105.5	116.0	10.5	<300 - >9999	No Sand-stone	56.0	401.0
				136.0	170.0	34.0	<300 - >9999			
				173.5	174.0	0.5	760			
				177.5	182.0	4.5	<300 - 4000			
				186.0	186.5	0.5	350			
				191.5	193.5	2.0	<300 - 5900			
				197.0	212.0	15.0	<300 - >9999			
				251.0	251.5	0.5	530			
				266.5	267.5	1.0	400 - 490			
				274.5	292.0	17.5	<300 - 4000			
				294.5	296.5	2.0	370 - 440			
				300.0	309.5	9.5	<300 - 5200			
				332.5	334.5	2.0	320 - 720			

*Scintillometer Instrument: GR-110G

Line 1155E

Line 1155E is located approximately 195m grid east of the R945E zone. Drilling of two holes (PLS13-090 and 103) was a follow-up test of a subtle radon in water anomaly identified during the Phase 2 EIC radon in water and sediment survey completed during April 2013, by RadonEx Exploration Management of St. Lazare, Quebec. This anomaly lies along an ENE trend, in proximity to the PL-3B EM conductor and on trend with the five PLS mineralized zones (R00E, R390E, R585E, R780E, and R945E) that remain open in all directions. Drilling on line 1155E extends the mineralization at PLS to a 1.23km strike length. Although neither drill hole encountered strong mineralization, both encountered significant widths of anomalous radioactivity in a geologic setting similar to the high-grade zones to the west. The very large mineralizing system at PLS remains open to the east, which reinforces that further drilling is required from the ice surface available during the 2014 drill to evaluate line 1155E.

Line 1155E: Two vertically collared holes were drilled on line 1155E

- Drillhole PLS13-090 was collared as a vertical hole and drilled to a depth of 323.0m. Basement was intersected at 62.0m. A quartzitic gneiss is present from 62.0m to 96.7m. From 96.7m to 314.3m the lithology is comprised of alternating sequences of pelitic, quartzitic, and semipelitic units. A diabase unit was encountered from 314.3m to the end of hole depth of 323.0m. A weak radioactive mineralized interval is present over a continuous 12.5m interval from 189.5m to 202.0m within a semipelitic gneiss, with a range of <300 to 1600 cps.

- Drillhole PLS13-103 was collared as a vertical hole and drilled to a depth of 427.0m. The collar was located 10m south of PLS13-090. Quartzitic gneiss was encountered from 62.4m to 111.7m, which was underlain by alternating pelitic gneiss, mylonite, and semipelitic gneiss units to 304.6m. From 304.6m to the end of hole depth of 427.0m a semipelitic gneiss dominates. A total composite of 15.5m of mineralization within a 34.5m section (175.0m to 209.5m) occurs in several weakly radioactive mineralized intervals ranging in width from 1.0m to 6.5m. A deeper and narrow 1.0m weakly radioactive interval was intersected at 365.5m.

Line 1155E Drill Hole Table

	Hole Location			* Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum)				Dev-onian Sand-stone	Base-ment Uncon-formity	Total Drill-hole
Hole ID	Grid Line	Az	Dip	From (m)	To (m)	Width (m)	CPS Peak Range	From - To (m)	Depth (m)	Depth (m)
PLS13-090	1155E	180	-89	189.5	202.0	12.5	<300 - 1600	No Sand-stone	62.0	323.0
PLS13-103	1155E	347	-88	175.0	177.5	2.5	360 - 550	No Sand-stone	62.4	427.0
				188.0	193.5	5.5	<300 - 770			
				197.5	204.0	6.5	<300 - 560			
				208.5	209.5	1.0	420 - 570			
				365.5	366.5	1.0	320			

*Scintillometer Instrument: GR-110G

A $9.2M, 14,700m drill program and ground geophysics surveys continues at PLS. Barge-based lake drilling is now complete. The program's remaining holes will be land-based.

Natural gamma radiation in drill core that is reported in this news release was measured in counts per second (cps) using a hand held Exploranium GR-110G total count gamma-ray scintillometer. The reader is cautioned that scintillometer readings, like the down hole gamma probe readings, are not directly or uniformly related to uranium grades of the rock sample measured, and should be used only as a preliminary indication of the presence of radioactive materials. The degree of radioactivity within the mineralized intervals is highly variable and associated with visible pitchblende mineralization. All intersections are down-hole, core interval measurements and true thickness is yet to be determined.

Radiometric surveys are planned for all holes using a Mount Sopris 2GHF-1000 Triple Gamma probe, which allows for more accurate measurements in high grade mineralized zones.

Split core samples from the mineralized section of core will be taken continuously through the mineralized intervals and submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis, which includes U and fire assay for gold. All samples sent for analysis will include a 63 element ICP-OES, uranium by ICP-MS and boron. Assay results will be released when received.

For additional comments about the Summer 2013 Program, please watch a corporate video at the Alpha Minerals website: www.alphaminerals.ca/corporate-videos/

Patterson Lake South Property

The 31,000 hectare (76,000 acres) PLS project is a 50%/50% Joint Venture held by Alpha Minerals Inc. (AMW) and Fission Uranium (FCU). The Joint Venture property is 100% owned with no underlying royalties or vendor payments. For the present work, the exploration is still being operated as a Joint Venture under the direction of the Joint Venture Management Committee with Fission Uranium acting as the operator.

The property is accessible by road with primary access from all-weather Highway 955, which runs 74km north to the former Cluff Lake mine, (>60M lbs of U3O8 produced from multiple open pit and underground mines), and passes through the claims covering the UEX-Areva Shea Creek discoveries located 58km to the north, currently under active exploration and development.

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 Minerals Inc., by Garrett Ainsworth, P.Geo., Vice President Exploration, a qualified person.

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

"Ben Ainsworth"
PEng BC/SK, President, CEO and Director

Please refer to the Alpha Minerals Inc. website (www.alphaminerals.ca) for the video and further updated information.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

This press release contains "forward-looking information" that is based on Alpha's current expectations, estimates, forecasts and projections. This forward-looking information includes, among other things, statements with respect to Alpha's development plans. The words "will", "anticipated", "plans" or other similar words and phrases are intended to identify forward-looking information.

Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause Alpha's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information. Such factors include, but are not limited to: uncertainties related exploration and development; the ability to raise sufficient capital to fund exploration and development; changes in economic conditions or financial markets; increases in input costs; litigation, legislative, environmental and other judicial, regulatory, political and competitive developments; technological or operational difficulties or inability to obtain permits encountered in connection with exploration activities; and labour relations matters. This list is not exhaustive of the factors that may affect our forward-looking information. These and other factors should be considered carefully and readers should not place undue reliance on such forward-looking information. Alpha disclaims any intention or obligation to update or revise forward-looking information, whether as a result of new information, future events or otherwise.

For corporate communications please contact:

Robert (Bob) Meister
Alpha Minerals Inc.
(604) 629-0293
(604) 684-9365
Toll Free: 1-866-629-0293
Email: info@alphaminerals.ca