

Fission Hits 35.13% U3O8 Over 16.5M in 13.23% Over 47.5M (LINE 835E)

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High-Grade Mineralization Growth Throughout Zone R780E at PLS

KELOWNA, BRITISH COLUMBIA--(Marketwired - Oct 6, 2014) - [Fission Uranium Corp. \(TSX VENTURE:FCU\)\(OTCQX:FCUUF\)\(FRANKFURT:2FU\)](#) ("Fission" or "the Company") is pleased to announce summer assay results from 29 holes drilled on the R780E zone at its Patterson Lake South (PLS) property in Saskatchewan's Athabasca Basin, Canada. **All 29 holes returned strong to moderate mineralization at shallow depth.** Of exceptional note is hole PLS14-248 (line 825E), which returned composite assay intervals including **35.13% U3O8 over 16.5m within a larger interval of 13.23% U3O8 over 47.5m.** This corresponds to an interval GT value (Grade %U3O8 x Thickness in meters) of 628.5, making this the strongest discrete mineralized interval drilled at PLS to date.

Zone R780E Extended Laterally: The high grade intersections of most of the holes extend the R780E mineralized corridor further laterally north and south in addition to increased depth at several locations along the entire strike length. PLS14-237 extends the R780E corridor an additional ~77m north on line 860E and PLS14-238 extends it a further ~41m south on line 825E. The exceptional upper intersection seen in PLS14-248 (46.5m @ 13.23% U3O8) occurs within the hanging wall semipelitic gneiss pushing the high-grade mineralization of the R780E further south on line 825E than previously seen.

Assay Highlights Include:

Hole PLS14-248 (line 825E)

- 2nd strongest mineralized hole at PLS to date with an entire hole composite GT Value of 698.4
- Key interval: **47.5m** (130.0m to 177.5m) @ **13.23% U3O8**, including:
 - **16.5m** (151.5m to 168.0m) @ **35.13% U3O8**
- Lower interval: **12.0m** (230.0m to 242.0m) @ **5.13% U3O8**, including:
 - **1.5m** (230.0m - 231.5m) @ **35.30% U3O8**
- 93.0m of total composite mineralization >0.05% U3O8

Hole PLS14-247 (line 525E)

- Key interval: **30.5m** (111.0m to 141.5m) @ **2.67% U3O8**, including:
 - **5.5m** (118.5m to 124.0m) @ **6.84% U3O8**
 - **4.5m** (133.0m to 137.5m) @ **6.28% U3O8**
- 98.0m of total composite mineralization >0.05% U3O8

Hole PLS14-229 (line 330E)

- Key interval: **27.5m** (96.5m to 124.0m) @ **1.75% U3O8**, including:
 - **5.0m** (103.0m to 108.0m) @ **9.64% U3O8**
- 42.0m of total composite mineralization >0.05% U3O8

Ross McElroy, President, COO, and Chief Geologist for Fission, commented,

"We couldn't ask for a better start to our summer assays as we head towards our 43-101 Maiden Resource at the end of this year. Every assay result will have a direct impact on our resource size and with 29 strongly mineralized holes, we are delighted with progress so far."

More summer assays pending: To date, assay results from 29 holes of the recently completed summer program have now been released; assay results from 31 zone delineation holes and 22 exploration holes are pending.

Composited % U3O8 mineralized intervals are summarized in Table 1 below. Samples from the drill core are split in half sections on site. Where possible, samples are standardized at 0.5m down-hole intervals. One-half of the split sample is sent to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) in Saskatoon, SK for analysis which includes U3O8 (wt %) and fire assay for gold, while the other half remains on site for reference. All analysis include a 63 element ICP-OES, uranium by fluorimetry and boron. All depth measurements reported, including sample and interval widths are down-hole, core interval measurements and true thickness are yet to be determined.

Zone	Hole ID	Grid Line	Az	Dip	From (m)	To (m)	Interval (m)	U3O8 (wt%)
R780E	PLS14-217	600E	325	-81.0	59.00	64.00	5.00	0.10
					67.00	76.00	9.00	0.08
					107.50	114.50	7.00	0.12
					123.00	126.50	3.50	0.16
					136.00	137.50	1.50	0.19
					140.50	144.00	3.50	0.95
					146.50	151.00	4.50	0.50
					159.50	161.50	2.00	0.56
					165.50	167.50	2.00	0.19
					175.50	176.00	0.50	0.29
					182.00	190.00	8.00	0.24
					195.00	196.00	1.00	0.07
					199.00	209.50	10.50	0.24
					212.00	217.50	5.50	0.39
					222.50	225.00	2.50	0.18
232.00	234.00	2.00	0.12					
243.00	248.00	5.00	0.13					
R780E	PLS14-218	465E	345	-70.0	161.00	167.00	6.00	0.10
					171.00	199.00	28.00	0.13
					226.00	229.50	3.50	0.08
					261.00	261.50	0.50	0.09
R780E	PLS14-219	300E	11	-88.0	86.50	87.50	1.00	0.17
					90.50	91.50	1.00	0.08
					134.00	135.00	1.00	0.06
					143.00	143.50	0.50	0.05
					146.00	146.50	0.50	0.08
					153.50	154.00	0.50	0.08
					160.50	177.00	16.50	0.24
					180.50	195.00	14.50	0.30
					183.50	185.00	1.50	1.90
199.00	210.00	11.00	0.08					
R780E	PLS14-220	540E	243	-86.6	60.50	65.50	5.00	0.05
					68.00	79.00	11.00	0.32
					77.00	78.00	1.00	1.79
					82.50	91.00	8.50	0.20
					97.00	111.50	14.50	1.11
					102.50	105.50	3.00	3.48
					117.50	118.00	0.50	14.70
					123.50	129.00	5.50	1.50
					132.00	133.50	1.50	3.80
					147.00	147.50	0.50	0.33
					157.50	158.50	1.00	0.35
					163.50	174.00	10.50	1.22
					166.50	167.50	1.00	8.70
					178.00	188.00	10.00	0.08
					198.00	199.50	1.50	0.08
206.00	207.00	1.00	0.07					

R780E	PLS14-221	735E	333	-71.7	139.00	143.00	4.00	0.09
					146.50	151.00	4.50	0.05
					153.50	164.00	10.50	0.08
					213.50	225.50	12.00	1.88
					223.00	224.50	1.50	8.17
					252.50	257.50	5.00	0.05
R780E	PLS14-222	375E	342	-70	99.00	101.00	2.00	0.06
					102.00	103.50	1.50	0.06
					105.00	105.50	0.50	0.05
					112.00	112.50	0.50	0.11
					117.00	125.50	8.50	0.40
					129.50	133.50	4.00	0.29
					137.00	149.00	12.00	0.53
					145.00	146.50	1.50	2.02
R780E	PLS14-223	540E	234	-88	80.00	85.00	5.00	0.13
					87.50	88.00	0.50	0.13
					91.50	97.50	6.00	0.36
					101.50	103.00	1.50	0.05
					106.00	110.00	4.00	0.42
					116.00	118.00	2.00	0.73
					122.00	130.00	8.00	1.69
					122.00	125.00	3.00	3.60
					135.00	135.50	0.50	0.08
					151.00	155.00	4.00	0.20
					157.50	166.00	8.50	0.27
					172.50	174.00	1.50	1.33
					178.00	186.00	8.00	1.43
					182.00	184.00	2.00	4.75
					189.00	190.00	1.00	0.10
					193.50	195.00	1.50	1.20
208.00	208.50	0.50	0.09					
221.00	221.50	0.50	0.64					
251.00	251.50	0.50	0.43					
R780E	PLS14-224	870E	335	-70	92.50	95.00	2.50	0.07
					97.50	122.00	24.50	0.12
					130.50	148.00	17.50	1.24
					140.00	141.50	1.50	10.70
					150.50	161.50	11.00	0.53
					244.00	250.50	6.50	0.26
					269.00	270.00	1.00	0.18
					273.00	274.00	1.00	0.13
					276.50	277.50	1.00	0.07
					280.50	283.50	3.00	0.05
					312.00	316.50	4.50	0.28
					342.50	343.50	1.00	0.17
					R780E	PLS14-225	825E	336
141.00	142.50	1.50	0.12					
146.00	185.00	39.00	0.61					
172.50	181.00	8.50	1.97					
195.00	203.50	8.50	0.42					
200.50	201.50	1.00	2.07					
214.50	223.50	9.00	0.93					
215.50	218.00	2.50	1.84					
238.00	239.50	1.50	0.27					
243.00	243.50	0.50	0.05					
255.00	256.50	1.50	1.48					
260.00	261.50	1.50	7.53					
269.50	270.00	0.50	0.11					
R780E	PLS14-226	510E	338	-72	105.00	105.50	0.50	0.06
					116.50	120.00	3.50	0.08
					125.50	129.00	3.50	0.06
					132.00	132.50	0.50	0.10
					136.00	137.00	1.00	0.10
					151.50	153.50	2.00	0.09

					156.50	160.00	3.50	0.13
					176.00	181.00	5.00	1.90
					177.00	178.50	1.50	5.50
					192.00	202.00	10.00	1.02
					192.00	194.00	2.00	4.02
					227.50	228.50	1.00	0.10
R780E	PLS14-227	645E	329	-69	132.00	133.50	1.50	0.58
					136.50	141.50	5.00	0.17
					145.00	148.50	3.50	0.33
					151.00	175.50	24.50	0.16
					198.50	199.50	1.00	0.07
					212.50	229.00	16.50	0.52
					248.50	249.00	0.50	0.05
R780E	PLS14-228	660E	91	-87.6	66.00	67.50	1.50	0.05
					81.50	88.50	7.00	0.10
					91.00	92.00	1.00	0.14
					105.00	107.50	2.50	0.06
					110.00	120.00	10.00	0.20
					134.50	141.00	6.50	0.06
					147.00	150.00	3.00	0.06
					161.50	166.00	4.50	0.07
					291.00	291.50	0.50	0.07
					296.50	297.50	1.00	0.12
					429.50	430.00	0.50	0.08
					431.00	431.50	0.50	0.08
					436.00	438.00	2.00	0.20
R780E	PLS14-229	330E	337	-69	80.50	92.00	11.50	0.12
					96.50	124.00	27.50	1.75
					103.00	108.00	5.00	9.64
					131.00	133.50	2.50	0.48
					136.00	136.50	0.50	0.08
R780E	PLS14-230	915E	344	-71	118.00	119.50	1.50	0.06
					124.00	124.50	0.50	0.07
					129.50	134.00	4.50	0.09
					144.00	145.00	1.00	0.12
					159.50	160.00	0.50	0.06
					170.50	172.00	1.50	0.06
					174.00	175.00	1.00	0.07
					183.50	206.50	23.00	0.66
					188.00	189.00	1.00	4.99
					218.50	219.50	1.00	0.09
					229.00	230.50	1.50	8.61
					234.00	237.00	3.00	1.23
					240.00	253.00	13.00	2.16
					240.00	243.00	3.00	6.58
					258.00	271.00	13.00	1.46
					278.00	287.50	9.50	0.25
					295.50	297.50	2.00	0.06
					312.50	315.00	2.50	0.11
					333.00	337.00	4.00	0.15
R780E	PLS14-231	420E	7	-68.7	69.50	70.50	1.00	0.06
					78.00	79.50	1.50	0.23
					82.50	91.00	8.50	0.31
					84.00	85.00	1.00	1.40
					117.00	117.50	0.50	0.08
R780E	PLS14-232	285E	347	-69	133.00	136.00	3.00	0.08
					145.00	155.00	10.00	0.19
					163.50	167.00	3.50	0.06
					170.00	176.50	6.50	0.31
					279.00	281.00	2.00	0.09
R780E	PLS14-233	600E	338	-71	165.00	165.50	0.50	0.07
					209.00	212.00	3.00	0.14
					229.50	232.00	2.50	0.14
R780E	PLS14-235	555E	346	-70.9	91.00	91.50	0.50	0.05

					92.50	93.00	0.50	0.05
					159.00	163.00	4.00	0.07
					188.00	190.50	2.50	0.06
					210.00	211.00	1.00	0.06
					222.00	224.00	2.00	0.16
R780E	PLS14-236	960E	342	-66	118.50	128.50	10.00	0.10
					139.50	142.00	2.50	0.14
					171.00	171.50	0.50	0.06
					177.00	180.50	3.50	0.08
					188.50	189.50	1.00	0.07
					191.00	191.50	0.50	0.06
					201.00	201.50	0.50	0.09
					205.00	224.00	19.00	0.15
					232.00	237.00	5.00	0.15
					246.50	247.00	0.50	3.05
					271.50	287.00	15.50	0.51
					291.00	306.00	15.00	0.16
					309.50	310.00	0.50	0.16
R780E	PLS14-237	870E	340	-69	68.50	70.00	1.50	0.08
					72.50	80.00	7.50	0.06
					82.50	83.00	0.50	0.06
					115.00	118.00	3.00	0.14
					122.00	123.50	1.50	0.29
					147.50	152.50	5.00	0.06
					155.50	156.00	0.50	0.05
					167.00	168.00	1.00	0.08
					179.00	179.50	0.50	0.05
					182.00	185.00	3.00	0.05
					189.00	190.50	1.50	0.06
					232.50	244.00	11.50	0.66
					248.00	254.50	6.50	0.11
					257.50	266.50	9.00	0.10
					272.00	278.00	6.00	0.20
					284.50	285.00	0.50	0.07
					297.00	299.50	2.50	0.06
					305.00	305.50	0.50	0.07
R780E	PLS14-238	825E	340	-69	133.50	142.00	8.50	0.15
					145.00	151.50	6.50	0.09
					184.00	197.50	13.50	0.14
					209.00	219.50	10.50	0.17
					243.00	244.00	1.00	0.35
					250.50	253.50	3.00	2.62
					252.00	253.00	1.00	7.61
					300.50	301.00	0.50	0.08
					304.50	307.00	2.50	0.08
					397.50	398.00	0.50	0.05
R780E	PLS14-240	645E	334	-70.4	80.50	81.00	0.50	0.07
					83.50	125.00	41.50	0.72
					116.00	125.00	9.00	2.04
					142.00	143.00	1.00	0.09
					145.00	145.50	0.50	0.05
					149.50	150.50	1.00	0.52
					157.00	158.00	1.00	2.59
					164.50	171.50	7.00	0.24
					179.50	180.00	0.50	0.08
					183.50	184.00	0.50	0.05
					204.00	218.50	14.50	0.08
					228.50	230.00	1.50	0.12
R780E	PLS14-241	285E	331	-71	82.50	97.50	15.00	0.31
					101.50	102.00	0.50	0.08
					110.00	112.00	2.00	0.40
					126.00	127.00	1.00	0.13
					142.50	145.00	2.50	0.14
					159.00	175.00	16.00	0.36

R780E	PLS14-242	870E	342	-69	131.00	134.00	3.00	0.06
					143.00	148.00	5.00	0.07
					151.00	156.50	5.50	0.05
					163.00	163.50	0.50	0.11
					182.50	185.50	3.00	0.16
					189.00	190.50	1.50	1.83
					209.50	212.50	3.00	0.24
					215.50	222.00	6.50	0.21
					249.50	250.50	1.00	0.33
					261.00	263.50	2.50	0.07
					274.00	275.00	1.00	0.14
					302.50	303.00	0.50	0.05
					306.50	307.00	0.50	0.10
					310.00	310.50	0.50	0.05
					312.00	312.50	0.50	0.07
					321.00	321.50	0.50	0.19
					337.00	337.50	0.50	0.05
340.00	340.50	0.50	0.05					
R780E	PLS14-243	495E	332	-66	82.50	83.00	0.50	0.07
					88.00	91.50	3.50	0.08
					95.50	97.50	2.00	0.17
					102.50	135.00	32.50	1.05
					120.50	127.50	7.00	4.85
					138.00	151.00	13.00	0.20
167.00	190.00	23.00	0.23					
R780E	PLS14-244	660E	336	-71.7	62.00	62.50	0.50	0.05
					85.50	86.00	0.50	0.05
					90.50	96.00	5.50	0.11
					98.50	100.00	1.50	0.08
R780E	PLS14-246	690E	333	-71	60.20	68.50	8.30	0.53
					60.50	62.50	2.00	1.69
					95.50	97.00	1.50	0.30
					99.50	105.50	6.00	0.35
					102.50	103.50	1.00	1.79
					108.00	114.00	6.00	0.50
					112.50	113.50	1.00	2.07
					130.00	130.50	0.50	0.05
					138.50	139.00	0.50	0.10
					142.50	143.00	0.50	0.21
					148.00	153.50	5.50	0.26
165.50	168.50	3.00	0.11					
R780E	PLS14-247	525E	336	-70	93.50	107.00	13.50	0.79
					99.50	102.50	3.00	2.17
					111.00	141.50	30.50	2.67
					118.50	124.00	5.50	6.84
					133.00	137.50	4.50	6.28
					144.50	146.50	2.00	0.24
					157.50	163.50	6.00	0.14
					177.50	220.00	42.50	0.26
					182.00	188.50	6.50	0.87
					228.00	229.00	1.00	0.12
					231.50	232.00	0.50	0.05
					279.00	280.50	1.50	0.06
					283.00	283.50	0.50	0.05
R780E	PLS14-248	835E	332	-70	109.00	110.50	1.50	0.07
					115.00	126.00	11.00	0.08
					130.00	177.50	47.50	13.23
					151.50	168.00	16.50	35.13
					176.00	177.00	1.00	14.92
					183.00	199.00	16.00	0.24
					206.00	206.50	0.50	0.08
					209.50	210.50	1.00	2.67
					220.50	222.50	2.00	0.20
					230.00	242.00	12.00	5.13

				230.00	231.50	1.50	35.30
				251.50	252.00	0.50	0.05
				263.00	263.50	0.50	0.31
				333.50	334.00	0.50	0.28

Composite Parameters

1. *Minimum Thickness: 0.50m*
2. *Grade Cut-Off: 0.05 U3O8 (wt%)*
3. *Maximum Internal Dilution: 2.00m*

PLS Mineralized Trend Summary

Uranium mineralization at PLS has been traced by core drilling over 2.24km of east-west strike length in four separate mineralized "zones" from line 615W (PLS13-124) to line 1620E (PLS14-196). From west to east, these zones are; R600W, R00E, R780E and R1620E. The former R390E, R585, R945E and R1155E zones have been merged into the R780E zone by successful 2014 winter and summer drilling. The R780E zone now stands at 930m of continuous strike length within a mineralized lateral corridor up to 150m wide (line 870E). Mineralization remains open along strike both to the western and eastern extents. Mineralization is both located within and associated with a metasedimentary lithologic corridor, bounded to the south by the PL-3B basement Electro-Magnetic (EM) Conductor.

Updated maps and files can be found on the Company's website at <http://fissionuranium.com/project/pls/>.

Patterson Lake South Property

The 31,039 hectare PLS project is 100% owned and operated by [Fission Uranium Corp.](#) PLS is accessible by road with primary access from all-weather Highway 955, which runs north to the former Cluff Lake mine and passes through the nearby UEX-Areva Shea Creek discoveries located 50km 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 the company by Ross McElroy, P.Geol. President and COO for [Fission Uranium Corp.](#), a qualified person.

About Fission Uranium Corp.

[Fission Uranium Corp.](#) is a Canadian based resource company specializing in the strategic exploration and development of the Patterson Lake South uranium property and is headquartered in Kelowna, British Columbia. Common Shares are listed on the TSX Venture Exchange under the symbol "FCU" and trade on the OTCQX marketplace in the U.S. under the symbol "FCUUF."

ON BEHALF OF THE BOARD

"Ross McElroy"

Ross McElroy, President and COO

Cautionary Statement:

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