

# Fission Announces Multiple High-Grade Assays

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## Assays released for twelve holes at PLS Discovery

KELOWNA, BRITISH COLUMBIA--(Marketwired - Apr 14, 2014) - **FISSION URANIUM CORP.** (TSX VENTURE:FCU)(OTCQX:FCUUF)(FRANKFURT:2FU) ("**Fission**" or "**the Company**") is pleased to announce assay results from twelve holes at its Patterson Lake South (PLS) property in Saskatchewan's Athabasca Basin, Canada. All twelve holes are drilled within the R780E zone and returned wide intervals of mineralization, with nine of the holes returning high-grade assays. Of particular note is hole PLS14-132 which intersected multiple zones of mineralization including intervals such as 8.48% U3O8 over 3.5m in 4.03% U3O8 over 8.0m.

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

*"This is a strong set of assays with wide intervals and high grades from holes drilled early in winter program. They contribute significantly to the confirmed mineralization at PLS and provide us with additional data to help direct future drill targeting."*

### Assay Highlights

#### PLS14-132 (Line 810E)

&#8226; 46.0m (134.5m to 180.5m) @ 0.72% U3O8, including:

10.5m (169.0m to 179.5m) @ 2.41% U3O8

&#8226; 5.5m (216.0m to 221.5m) @ 1.54% U3O8, including:

3.0m (217.5m to 220.5m) @ 2.74% U3O8

&#8226; 8.0m (226.5m to 234.5m) @ 4.03% U3O8, including:

3.5m (229.5m to 233.0m) @ 8.48% U3O8

#### PLS14-136 (Line 600E)

&#8226; 41.0m (119.0m to 160.0m) @ 0.92% U3O8, including:

8m (133.0m to 141.0m) @ 2.59% U3O8 and

2.5m (145.0m to 147.5m) @ 3.69% U3O8

#### PLS14-126 (Line 780E)

&#8226; 8.5m (152.5m to 161.0m) @ 1.3% U3O8, including:

1m (157.0m to 158.0m) @ 4.44% U3O8

&#8226; 5.5m (178.0m to 183.5m) @ 2.41% U3O8, including:

2m (178.0m to 180.0m) @ 4.66% U3O8

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.

### PLS Mineralized Trend Summary

Uranium mineralization at PLS has been traced by core drilling over 2.24km of east-west strike length in five separate mineralized "zones" from line 615W (PLS13-124) to line 1620E (PLS14-196). From west to east, these zones are; R600W, R00E, R780E, R1155E and R1620E. The former R390E, R585 and R945E zones have been merged into the R780E zone by successful winter drilling. 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.

**Table 1**

Composited Mineralized Intervals (Down-hole measurements)

Zone	Hole ID	Grid Line	From (m)	To (m)	Interval (m)	U3O8 (wt%)		
R780E	PLS14-125	570E	70.50	71.00	0.50	0.08		
			89.00	93.00	4.00	0.08		
			115.50	116.00	0.50	0.11		
			119.50	176.00	56.50	0.46		
			130.50	136.50	6.00	1.91		
			163.00	165.50	2.50	1.71		
			183.50	184.00	0.50	0.07		
			191.50	195.00	3.50	0.06		
			197.50	198.00	0.50	0.06		
			200.50	201.50	1.00	0.07		
			225.50	237.50	12.00	0.21		
			PLS14-126	780E	141.50	146.00	4.50	0.09
					152.50	161.00	8.50	1.30
					157.00	158.00	1.00	4.44
					164.00	169.50	5.50	0.52
178.00	183.50	5.50			2.41			
178.00	180.00	2.00			4.66			
189.00	190.50	1.50			0.09			
218.50	219.00	0.50			0.13			
230.00	235.00	5.00			0.96			
243.00	243.50	0.50			0.07			
289.50	296.00	6.50			0.29			
298.50	300.00	1.50			0.46			
PLS14-127	825E	65.00	72.50	7.50	0.05			
		79.50	80.00	0.50	0.09			
		99.50	120.00	20.50	0.16			
		124.50	130.00	5.50	0.06			
		132.50	133.50	1.00	0.08			
		141.50	142.50	1.00	0.11			
		146.50	161.00	14.50	0.27			
		166.00	168.00	2.00	1.39			
		170.50	176.50	6.00	0.08			
		186.00	188.50	2.50	1.06			
		197.50	200.00	2.50	1.17			
PLS14-128	945E	108.50	113.50	5.00	0.06			
		134.50	135.00	0.50	0.06			
		140.00	142.50	2.50	0.08			
		145.00	162.00	17.00	0.19			
		167.50	173.50	6.00	0.46			
		177.00	181.50	4.50	0.06			
		216.50	220.50	4.00	6.74			
		218.00	220.00	2.00	13.04			
		244.50	245.00	0.50	0.07			
PLS14-130	345E	426.00	426.50	0.50	0.06			
		435.50	436.00	0.50	0.05			
		67.00	81.00	14.00	0.23			

		84.50	101.50	17.00	0.47
		93.00	96.50	3.50	1.57
		108.00	125.00	17.00	0.27
		131.00	131.50	0.50	0.07
		142.50	146.50	4.00	3.00
		142.50	143.50	1.00	11.10
		157.00	157.50	0.50	0.07
		162.00	164.50	2.50	0.07
		183.50	187.00	3.50	0.09
		195.50	197.50	2.00	0.38
PLS14-131	780E	145.00	145.50	0.50	0.09
		168.50	191.00	22.50	0.22
		195.00	196.50	1.50	0.15
		199.50	230.00	30.50	0.30
		207.00	210.50	3.50	0.93
		234.50	256.00	21.50	0.34
		260.50	262.50	2.00	1.01
		265.50	266.00	0.50	0.35
		274.50	275.00	0.50	0.31
		310.50	311.00	0.50	0.06
		321.00	324.00	3.00	0.08
		364.00	364.50	0.50	0.18
		373.50	375.00	1.50	0.07
		377.50	378.50	1.00	0.20
		383.50	384.00	0.50	0.26
		389.50	396.00	6.50	0.08
		419.50	420.00	0.50	0.06
PLS14-132	810E	72.00	84.50	12.50	0.40
		77.50	78.50	1.00	3.28
		91.50	124.00	32.50	0.09
		134.50	180.50	46.00	0.72
		169.00	179.50	10.50	2.41
		184.50	188.00	3.50	1.42
		216.00	221.50	5.50	1.54
		217.50	220.50	3.00	2.74
		226.50	234.50	8.00	4.03
		229.50	233.00	3.50	8.48
		239.00	242.00	3.00	0.24
		259.00	260.00	1.00	0.30
PLS14-133	315E	96.00	101.00	5.00	0.06
		117.00	122.00	5.00	0.11
		130.00	141.50	11.50	0.08
		145.50	146.00	0.50	1.40
		162.00	164.00	2.00	1.00
		167.00	180.50	13.50	0.90
		175.50	176.50	1.00	8.37
		184.00	205.50	21.50	0.48
		195.50	200.50	5.00	1.03
		239.00	240.50	1.50	0.37
		317.00	317.50	0.50	0.18
PLS14-134	465E	144.00	152.00	8.00	0.30
		154.50	155.50	1.00	0.08
		158.00	162.50	4.50	0.41
		167.00	168.50	1.50	0.07
		173.00	177.50	4.50	0.08
		182.00	186.50	4.50	0.27
PLS14-135	960E	117.00	121.00	4.00	0.07
		134.50	175.00	40.50	0.16
		182.00	182.50	0.50	0.08
		188.00	190.50	2.50	1.29
		231.50	232.00	0.50	0.15
		235.50	241.50	6.00	0.07
		265.50	266.00	0.50	0.06
		283.50	286.50	3.00	0.38

	PLS14-136	600E	119.00	160.00	41.00	0.92
			133.00	141.00	8.00	2.59
			145.00	147.50	2.50	3.69
			208.50	209.50	1.00	0.17
			220.00	221.00	1.00	0.16
	PLS14-137	390E	121.00	121.50	0.50	0.06
			194.50	195.50	1.00	0.06

## Composite Parameters

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

An approximate 30,000m drill program and ground geophysics and radon in water and sediment surveys continues at PLS. Updated maps and files can be found on the Company's website at <http://www.fissionuranium.com/project/pls/overview/>.

### 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, President and COO

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