

# Purepoint Uranium Identifies New Priority Targets at Smart Lake

04.09.2019 | [CNW](#)

TORONTO, Sept. 4, 2019 - [Purepoint Uranium Group Inc.](#) (the "Company" or "Purepoint") (TSXV: PTU) announced to geology at the Smart Lake JV, a project owned jointly by Cameco Corp. (73%) and [Purepoint Uranium Group Inc.](#) (27%) reinterpreted based on new regional knowledge of basement hosted uranium deposits. The Smart Lake property is situated on the southwestern portion of the Athabasca Basin, approximately 18 km west-northwest of the Hook Lake Project and 60 km north of the former Cluff Lake mine.

Last week, NexGen Energy Ltd. announced the commencement of a 4,000 metre drill program on their claims that surround the Smart Lake. (See Press Release, Aug 26, 2019)

"Basement-hosted uranium mineralization was encountered at Smart Lake during our initial drill programs," said Scott F. Purdy, Purepoint's VP Exploration. "During the re-logging of our Smart Lake drill core this summer, it was immediately recognized that the rocks were similar to those encountered at our Hook Lake JV project. The Smart Lake target areas are seen as extremely prospective and we look forward to advancing this project further".

## Highlights:

- Smart Lake drill core was re-logged based on our new understanding of the western Athabasca geological setting from advanced work at Hook Lake. All drill sections and plan maps have now been revised;
- Early drilling by the JV partners, intersected basement-hosted uranium mineralization associated with a hydrothermally altered, graphitic shear zone that included 15.4 metres of 147 ppm U only 200 metres from surface;
- Comparable to the Patterson Uranium District, key geological processes required for the development of high-grade uranium deposits are considered to be clearly present at Smart Lake;
- A revised 43-101 compliant technical report is being completed for review by our JV partners.

## Key Findings:

Representatives from both Purepoint and Cameco Corp. carried out work at the Smart Lake project in June, focused on re-logging and reviewing the core from the 2008 and 2012 drill programs.

Upon subsequent analysis and interpretation, it was found that the geology of the Smart Lake Property (Figure 1) can be broken into two rock types; felsic orthogneiss (dominated by pink, granite gneiss with lesser granodiorite and local tonalite) and mafic orthogneiss (grades from diorite to gabbro). The contrast in competency between the highly competent felsic and the softer mafic rocks has focused displacement along lithologic contacts allowing for increased flow of hydrothermal fluids.

Known uranium mineralization at Smart Lake is associated with the Shearwater conductor, a 20 to 25 metre wide, steeply dipping, north-northwest (NNW) striking and hydrothermally altered, graphitic-pyritic band of mafic orthogneiss. The Shearwater conductor is conformable with the dominant NNW striking, west-dipping gneissosity, the same orientation of the proximal magnetic highs. The gneissosity would be the first planar structure created, referred to as "S1", and it was produced by east-west shortening, the first phase of deformation referred to as "D1".

Based on drill core observations and geochemistry, a second deformation event (D2) was identified; a north-south striking, steeply dipping, related to the Beatty River Fault. The D2 event produced folds and east-northeast (ENE)-striking, south dipping S2 joints and faults axial planar to the folds (e.g. the interpreted Groomes Lake, Arthur and Cristobol Faults). Where the ENE-striking S2 Fault intersects both the Shearwater conductor and felsic-mafic transition zones, strong alteration, displacement and local uranium mineralization is observed.

Reinterpretation of previous drilling while integrating the Shea Creek deposit model has identified priority exploration targets.

interpreted faults (i.e. Arthur and Cristobal faults) crosscut both the conductive anomalies and interpreted mafic-felsic tr

The most prospective target may be the Groomes Lake conductor which, unlike other conductors, strikes north-east. With accommodating north-south compression (D2), which produced the east-west faults (S2), this orientation may have been favourable for enhanced dilation, fluid flow and uranium deposition.

### Smart Lake Project

Purepoint, as operator, holds a 27% ownership of the Smart Lake project in joint venture with Cameco Corp.

The Smart Lake property includes two claims with a total area of 9,860 hectares situated in the southwestern portion of the Athabasca Basin, approximately 60 km south of the former Cluff Lake mine and 18 km west-northwest of Purepoint's H Project.

Depth to the unconformity, where it occurs, is relatively shallow at less than 350 metres.

Aeromagnetic and electromagnetic patterns at Smart Lake reflect an extension of the patterns underlying the Shea Creek (Indicated resource of 68M lbs at 1.48% U<sub>3</sub>O<sub>8</sub>) 55 km north of the property. Exploration by Purepoint and Cameco has established the presence of uranium mineralization, hydrothermal alteration and the location of a number of basement electromagnetic conductors and cross-cutting east-west structures yet to be drill tested.

Similar to the Kianna fault at Shea Creek, known uranium mineralization at the Smart Lake project is associated with the intersection of the east-west Arthur Fault and north-south-striking fluid/chemical traps including the Shearwater conductor chloritized mafic orthogneiss. The occurrence of low-grade uranium mineralization along the Arthur Fault away from the Shearwater conductor underscore the need to target east-west structures both at the intersection with conductive anomalies and at magnetically interpreted lithological contacts.

Additional east-west striking faults (Groomes Lake and Cristobal) have been interpreted from examination of airborne magnetic and electromagnetic surveys. These faults are spatially related with strong EM conductors identified in both airborne and ground surveys.

The best uranium intercepts for each hole of the 2008 and 2012 drill programs are provided below. Note that holes SM104 were drilled along strike over 4 km south of the other drill holes and their results suggest background uranium concentrations in basement rocks are typically less than 4 ppm.

Hole ID	Hole Depth	Maximum Radiation				
		Max. CPS	U (ppm)	Interval (m)	From (m)	To (m)
SMT08-01	300.0	3809	449	0.2	234.7	234.9
SMT08-02	192.0	534	27	1.0	191.0	192.0
SMT08-03	213.0	1579	4	0.3	94.0	94.3
SMT08-04	254.4	881	1	0.4	158.2	158.6
SMT08-05	219.0	13534	1900	0.2	152.8	153.0
SMT08-06	258.0	5047	1600	0.1	156.2	156.3
SMT12-07	369.0	1926	456	0.3	146.7	147.0
SMT12-08	306.0	1006	155	0.3	208.8	209.1
SMT12-09	292.6	2036	106	1.0	237.1	238.1

#### About Purepoint

[Purepoint Uranium Group Inc.](#) (TSXV: PTU) is focused on the precision exploration of its ten projects in the Canadian Athabasca Basin, the world's richest uranium region. Established in the Athabasca Basin well before the initial resurgence in uranium earlier last decade, Purepoint's flagship project is the Hook Lake Project, a joint venture with two of the largest uranium suppliers in the world, [Cameco Corp.](#) and Orano Canada Inc. The Hook Lake JV is on trend with recent high-grade uranium discoveries including Fission Uranium's Triple R Deposit, NexGen's Arrow Deposit and Purepoint's Spitfire discovery.

Scott Frostad BSc, MASC, PGeo, Purepoint's Vice President, Exploration, is the Qualified Person responsible for technical content of this release.

THE TSX VENTURE EXCHANGE HAS NOT REVIEWED AND DOES NOT ACCEPT RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THIS RELEASE.

This news release contains forward-looking information which is not comprised of historical facts. Forward-looking information is characterized by words such as "plan", "expect", "project", "intend", "believe", "anticipate", "estimate" and other similar words, or statements that certain events or conditions "may" or "will" occur. Forward-looking information involves risks, uncertainties and other factors that could cause actual events, results, and opportunities to differ materially from those expressed or implied by such forward-looking information. Factors that could cause actual results to differ materially from such forward-looking information include, but are not limited to, changes in the state of equity and debt markets, fluctuations in commodity prices, delays in obtaining required regulatory or governmental approvals, and other risks involved in the mineral exploration and development industry, including those risks set out in the Company's management's discussion and analysis as filed under the Company's profile at [www.sedar.com](http://www.sedar.com). Forward-looking information in this news release is based on the opinions and assumptions of management considered reasonable as of the date hereof, including that all necessary governmental and regulatory approvals will be received as and when expected. Although the Company believes that the assumptions and factors used in preparing the forward-looking information in this news release are reasonable, undue reliance should not be placed on such information. The Company disclaims any intention or obligation to update or revise any forward-looking information, other than as required by applicable securities laws.

View original content to download

multimedia:<http://www.prnewswire.com/news-releases/purepoint-uranium-identifies-new-priority-targets-at-smart-lake-3>

SOURCE [Purepoint Uranium Group Inc.](#)

#### Contact

[Purepoint Uranium Group Inc.](#), Chris Frostad, President and CEO, (416) 603-8368, [www.purepoint.ca](http://www.purepoint.ca);  
[www.twitter.com/purepointU3O8](https://www.twitter.com/purepointU3O8)

---

Dieser Artikel stammt von [Rohstoff-Welt.de](#)

Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/333665--Purepoint-Uranium-Identifies-New-Priority-Targets-at-Smart-Lake.html>

Für den Inhalt des Beitrages ist allein der Autor verantwortlich bzw. die aufgeführte Quelle. Bild- oder Filmrechte liegen beim Autor/Quelle bzw. bei der vom ihm benannten Quelle. Bei Übersetzungen können Fehler nicht ausgeschlossen werden. Der vertretene Standpunkt eines Autors spiegelt generell nicht die Meinung des Webseiten-Betreibers wieder. Mittels der Veröffentlichung will dieser lediglich ein pluralistisches Meinungsbild darstellen. Direkte oder indirekte Aussagen in einem Beitrag stellen keinerlei Aufforderung zum Kauf-/Verkauf von Wertpapieren dar. Wir wehren uns gegen jede Form von Hass, Diskriminierung und Verletzung der Menschenwürde. Beachten Sie bitte auch unsere [AGB/Disclaimer!](#)

---

Die Reproduktion, Modifikation oder Verwendung der Inhalte ganz oder teilweise ohne schriftliche Genehmigung ist untersagt!  
Alle Angaben ohne Gewähr! Copyright © by Rohstoff-Welt.de -1999-2026. Es gelten unsere [AGB](#) und [Datenschutzrichtlinien](#).