Twitter Thread by John Quakes

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1) With many #Uranium Explorers now actively drilling in #Canada's #AthabascaBasin■■ perhaps it's time■ for a thread on how to interpret drill data coming soon■ in news releases.■ Misunderstanding data can lead to premature exit... selling when ya shoulda been buying.■ ■



2) #Uranium explorers drill rock core samples looking for signs of #U3O8 bearing ore.■ Rarely do they ever hit high-grade on first few attempts.■ Geologists first look for visual signs in the core samples... here's description from pre-discovery 2013 drilling at Arrow (Rook 1):

NEXGEN DRILLS 3 MINERALIZED HOLES AT ROOK I FROM 11 HIGHLY ALTERED HOLES ALONG STRIKE FROM PLS

October 16, 2013

NexGen Energy Ltd. (TSX.V:NXE) ("NexGen" or the "Company") is pleased to announce that it has completed its first phase drill program totalling 3,032m on Rook 1. Rook 1 is immediately adjacent to, and up strike approximately 2.1km northeast of the high-grade uranium discovery at Patterson Lake South (PLS) made by Fission Uranium/Alpha Minerals (see Figure 1).

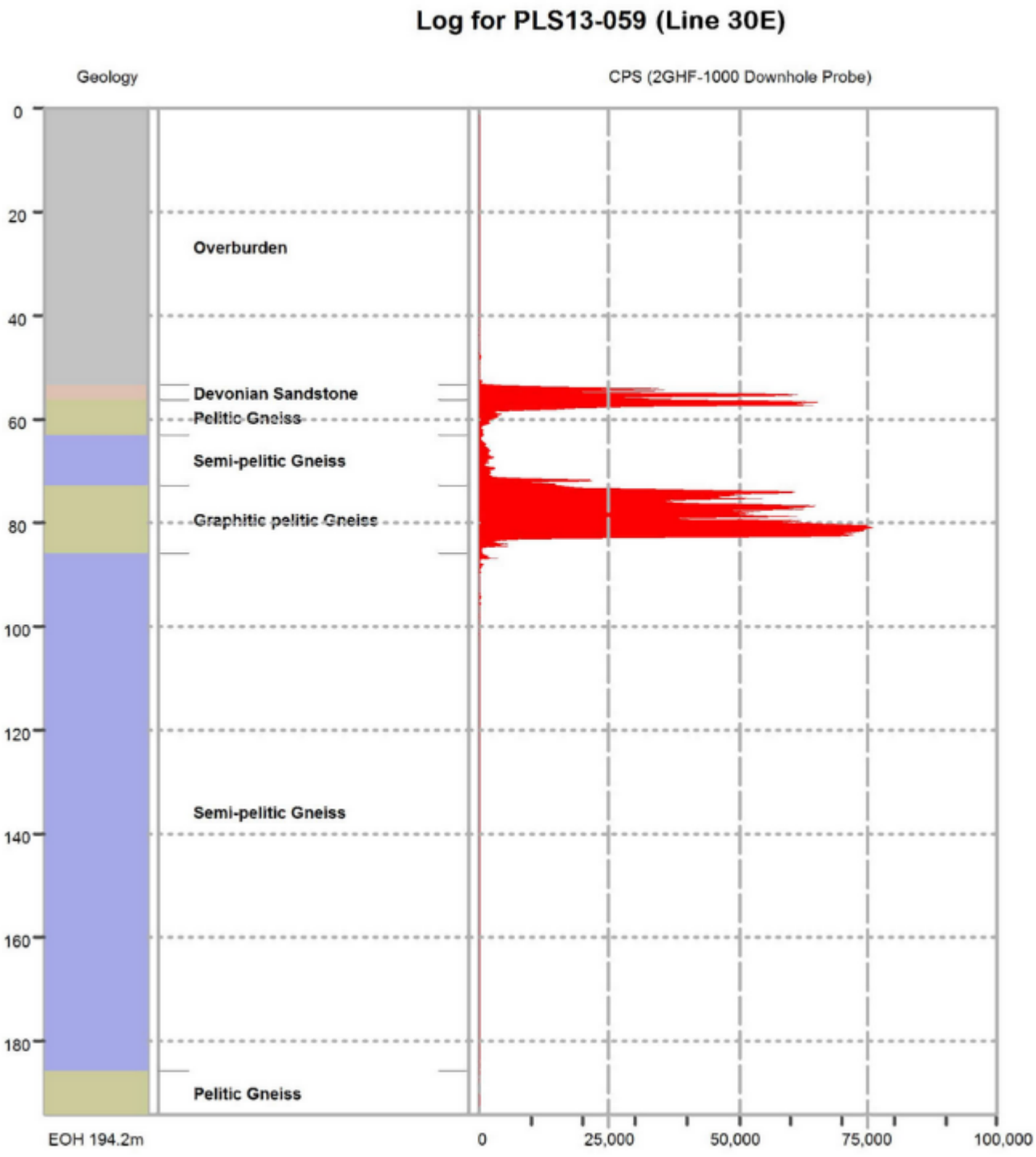
Highlights

- 12 completed widely spaced holes tested a 1.6 km x 1.2 km area in which 11 holes contained significant clay and hematite alteration (see Figure 1).
- Three holes on three separate parallel conductors intercepted mineralization.
- Hole RK-13-05 (which is located on the conductor interpreted to be an extension of the PLS3b conductor which hosts the high grade PLS discoveries) encountered elevated levels of radioactivity (max total gamma 4,379 cps) over 2.7m within a 29m wide shear zone containing breccias, faults, fractures, and a variety of veining. Alteration features include massive silicification, clay alteration, hematite, chlorite, and desilicification (see Figure 2). Visible pitchblende was identified at a down-hole depth of 220.5-220.8m, within heavily altered and hematised breccia (see Figure 3).

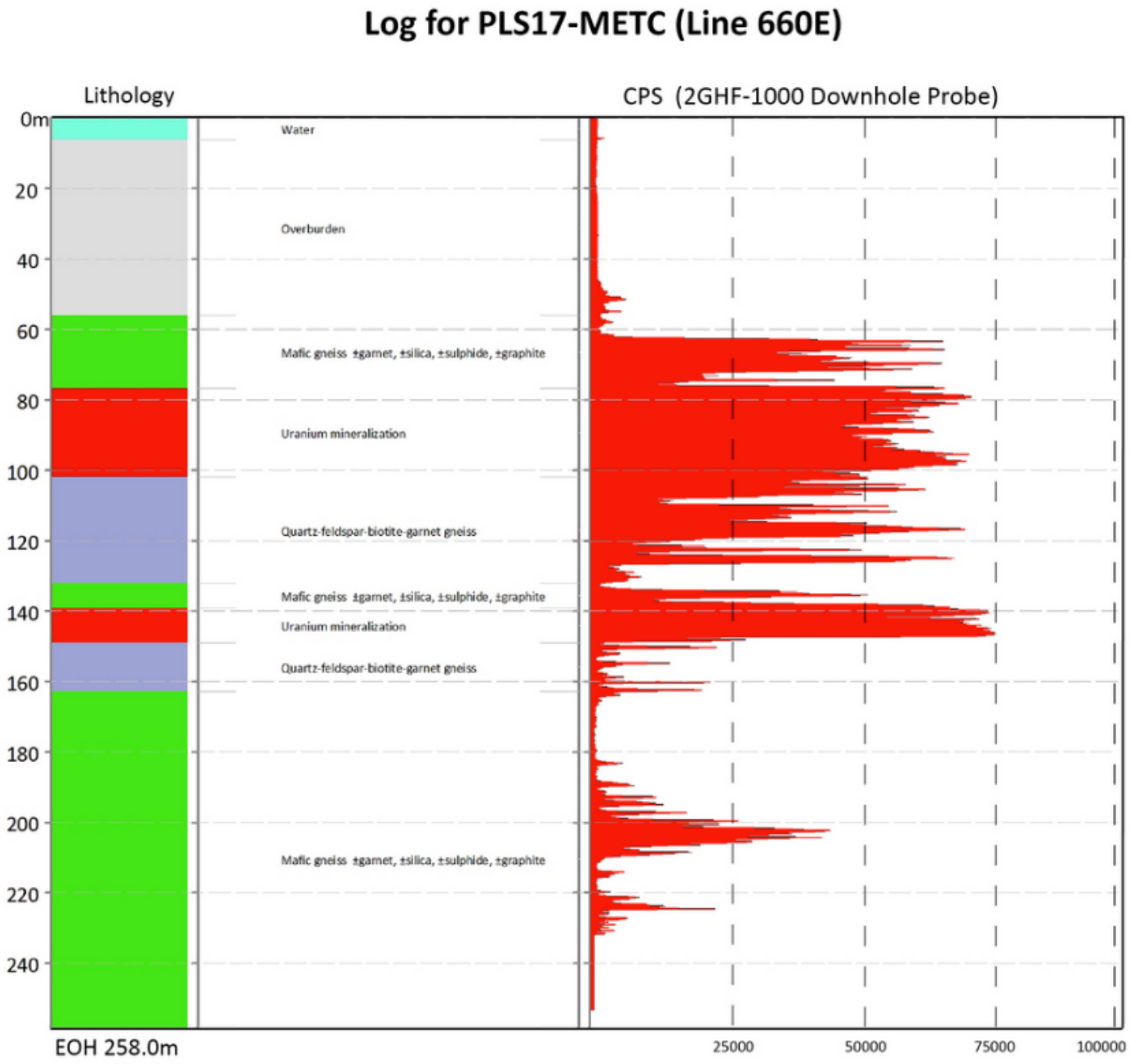
3) Visual inspection of core samples is just 1 of many steps taken to see if they found #uranium. Presence of radioactivity is best indicator so all cores are scanned with an instrument called a Hand-held Scintillometer to produce "Scint" CPS tables for cores from each hole.■■



4) After an exploration hole has been drilled & all core samples recovered, an instrument called a Downhole Gamma Probe is lowered to the bottom & recovered, constantly measuring #uranium radioactivity in a 360 degree sweep to produce a complete Gamma Log Profile for each hole.✍■



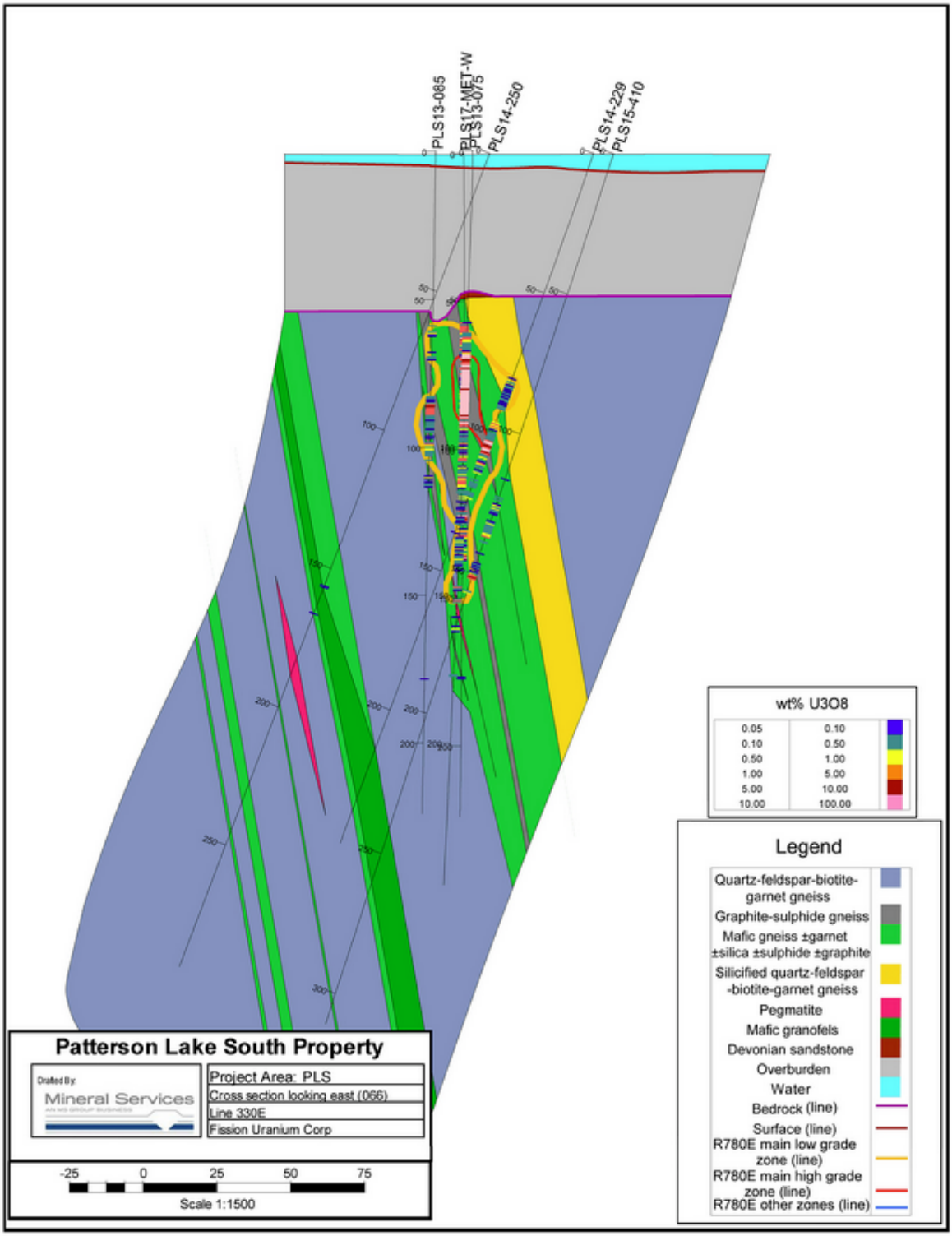
5) Here's the Gamma Log Profile for Fission #Uranium $FCU's world-record drill hole PLS17-METC that contained a continuous 30-storey tall set of high-grade U core sections, 108m at Average Grade of 8.46% #U3O8. Best mineralized hole drilled worldwide for any mined metal in 2018■



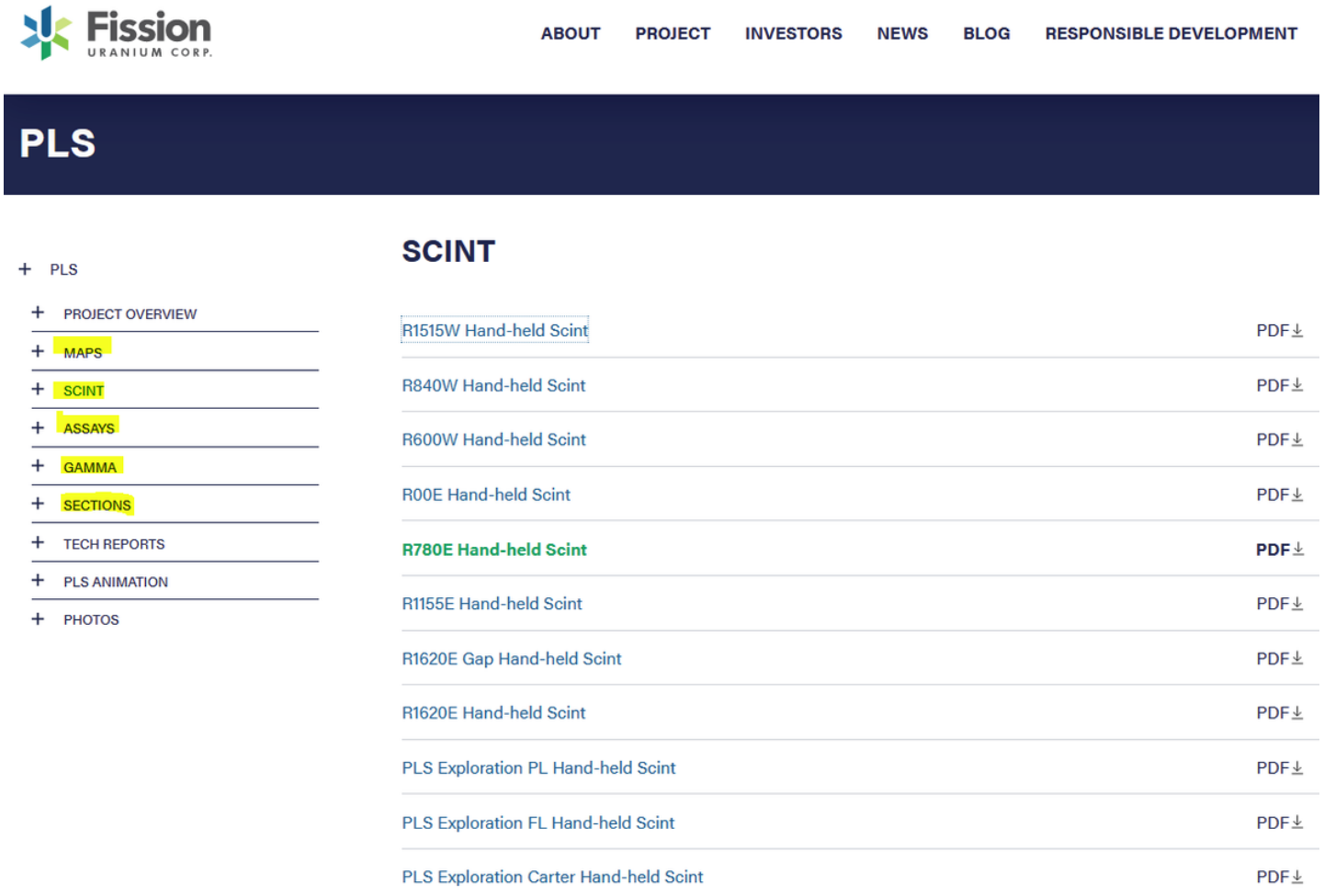
6) Boxes of #uranium cores are then shipped off to a lab where they are assayed to determine exact % Grade #U3O8 (& other minerals like #Gold) in 1/2 metre intervals. This leads to a month or 2 of waiting by investors to see actual grades. Tables are then published for each hole.

Hole ID	From (m)	To (m)	Interval (m)	U3O8 (wt%)
PLS17-MET-C	56.00	56.50	0.50	0.015
PLS17-MET-C	56.50	57.00	0.50	0.056
PLS17-MET-C	57.00	57.50	0.50	0.039
PLS17-MET-C	57.50	58.00	0.50	0.108
PLS17-MET-C	58.00	58.50	0.50	0.074
PLS17-MET-C	**58.50**	**59.00**	**0.50**	**1.060**
PLS17-MET-C	59.00	59.50	0.50	0.155
PLS17-MET-C	59.50	60.00	0.50	0.068
PLS17-MET-C	60.00	60.50	0.50	0.027
PLS17-MET-C	60.50	61.00	0.50	0.025
PLS17-MET-C	61.00	61.50	0.50	0.026
PLS17-MET-C	61.50	62.00	0.50	0.022
PLS17-MET-C	62.00	62.50	0.50	0.054
PLS17-MET-C	62.50	63.00	0.50	0.054
PLS17-MET-C	**63.00**	**63.50**	**0.50**	**11.900**
PLS17-MET-C	**63.50**	**64.00**	**0.50**	**4.700**
PLS17-MET-C	**64.00**	**64.50**	**0.50**	**38.200**
PLS17-MET-C	**64.50**	**65.00**	**0.50**	**7.960**
PLS17-MET-C	**65.00**	**65.50**	**0.50**	**18.500**
PLS17-MET-C	**65.50**	**66.00**	**0.50**	**27.800**
PLS17-MET-C	**66.00**	**66.50**	**0.50**	**9.910**
PLS17-MET-C	**66.50**	**67.00**	**0.50**	**2.040**
PLS17-MET-C	**67.00**	**67.50**	**0.50**	**5.570**
PLS17-MET-C	**67.50**	**68.00**	**0.50**	**13.800**
PLS17-MET-C	**68.00**	**68.50**	**0.50**	**7.030**
PLS17-MET-C	**68.50**	**69.00**	**0.50**	**5.160**
PLS17-MET-C	**69.00**	**69.50**	**0.50**	**10.100**
PLS17-MET-C	**69.50**	**70.00**	**0.50**	**24.900**
PLS17-MET-C	**70.00**	**70.50**	**0.50**	**7.900**
PLS17-MET-C	**70.50**	**71.00**	**0.50**	**9.100**
PLS17-MET-C	**71.00**	**71.50**	**0.50**	**9.710**
PLS17-MET-C	**71.50**	**72.00**	**0.50**	**14.200**
PLS17-MET-C	**72.00**	**72.50**	**0.50**	**5.430**
PLS17-MET-C	**72.50**	**73.00**	**0.50**	**2.230**
PLS17-MET-C	**73.00**	**73.50**	**0.50**	**1.730**
PLS17-MET-C	**73.50**	**74.00**	**0.50**	**5.030**
PLS17-MET-C	74.00	74.50	0.50	0.773

7) Other data often provided includes Maps & overlays of surface and airborne survey data, or perhaps most valuable are Cross Section Views that show angles of drill holes along a survey line & geologic interpretation around the #uranium bearing ore, used to build 3D models.■



8) If you want to explore & browse these types of #Uranium exploration data, best bet is to visit the Fission #Uranium website, as they are the only explorer/developer that publishes full data publicly for every hole they've ever drilled at PLS. ■■■ Great research resource.■■



9) To get ahead of the herd■ you can use Scint & Assay tables for hundreds of #Uranium drill holes published by Fission to learn how to estimate #U3O8 Grades from initial Scint data in news releases■ before associated Assays are released weeks later.■ https://t.co/WlOfrWX8Mr

Hole ID	Line	From (m)	To (m)	Interval (m)	CPS (Maximum)	Scintillometer used
PLS17-MET-C	L-660E	58.50	59.00	0.50	5100	RS-121
PLS17-MET-C	L-660E	59.00	59.50	0.50	970	RS-121
PLS17-MET-C	L-660E	59.50	60.00	0.50	330	RS-121
PLS17-MET-C	L-660E	60.00	61.00	1.00	<300	RS-121
PLS17-MET-C	L-660E	61.00	61.50	0.50	340	RS-121
PLS17-MET-C	L-660E	61.50	62.00	0.50	360	RS-121
PLS17-MET-C	L-660E	62.00	62.50	0.50	680	RS-121
PLS17-MET-C	L-660E	62.50	63.00	0.50	580	RS-121
PLS17-MET-C	L-660E	63.00	63.30	0.30	8300	RS-121
PLS17-MET-C	**L-660E**	**63.30**	**63.50**	**0.20**	**>65535**	**RS-121**
PLS17-MET-C	L-660E	63.50	63.90	0.40	9400	RS-121
PLS17-MET-C	**L-660E**	**63.90**	**64.00**	**0.10**	**22200**	**RS-121**
PLS17-MET-C	**L-660E**	**64.00**	**64.50**	**0.50**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**64.50**	**64.70**	**0.20**	**12800**	**RS-121**
PLS17-MET-C	L-660E	64.70	65.00	0.30	7900	RS-121
PLS17-MET-C	**L-660E**	**65.00**	**65.50**	**0.50**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**65.50**	**66.00**	**0.50**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**66.00**	**66.10**	**0.10**	**12200**	**RS-121**
PLS17-MET-C	L-660E	66.10	66.30	0.20	6400	RS-121
PLS17-MET-C	**L-660E**	**66.30**	**66.50**	**0.20**	**>65535**	**RS-121**
PLS17-MET-C	L-660E	66.50	66.70	0.20	6800	RS-121
PLS17-MET-C	**L-660E**	**66.70**	**66.80**	**0.10**	**11800**	**RS-121**
PLS17-MET-C	L-660E	66.80	67.00	0.20	1400	RS-121
PLS17-MET-C	**L-660E**	**67.00**	**67.50**	**0.50**	**28800**	**RS-121**
PLS17-MET-C	L-660E	67.50	67.74	0.24	8300	RS-121
PLS17-MET-C	**L-660E**	**67.74**	**68.00**	**0.26**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**68.00**	**68.33**	**0.33**	**27500**	**RS-121**
PLS17-MET-C	L-660E	68.33	68.50	0.17	6400	RS-121
PLS17-MET-C	**L-660E**	**68.50**	**69.00**	**0.50**	**35700**	**RS-121**
PLS17-MET-C	**L-660E**	**69.00**	**69.50**	**0.50**	**41200**	**RS-121**
PLS17-MET-C	**L-660E**	**69.50**	**70.00**	**0.50**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**70.00**	**70.50**	**0.50**	**44400**	**RS-121**
PLS17-MET-C	**L-660E**	**70.50**	**71.00**	**0.50**	**27100**	**RS-121**
PLS17-MET-C	**L-660E**	**71.00**	**71.50**	**0.50**	**41600**	**RS-121**
PLS17-MET-C	**L-660E**	**71.50**	**72.00**	**0.50**	**>65535**	**RS-121**
PLS17-MET-C	**L-660E**	**72.00**	**72.50**	**0.50**	**29100**	**RS-121**
PLS17-MET-C	L-660E	72.50	73.00	0.50	9800	RS-121

10) Some #Uranium Explorers don't want to wait weeks or months for lab to Assay their cores so you sometimes will see "Grade % eU3O8" published. In this case, downhole Gamma probe is specially calibrated to convert its Gamma Log Profile directly into equivalent % Grade #U3O8.■■

Denison Mines

Denison Intersects 5.0% eU3O8 Over 4.7 Metres at the Unconformity as Definition and Expansion Drilling Continues on the Gryphon Deposit at Wheeler River

TORONTO, ONTARIO--(Marketwired - Aug. 30, 2017) - Denison Mines Corp. ("Denison" or the "Company") (TSX:DML)(NYSE MKT:DNN)(NYSE American:DNN) is pleased to report the intersection of new high-grade unconformity-hosted uranium mineralization in drill hole WR-689D3 approximately 250 metres along strike to the northeast and 200 metres up-dip of the Gryphon deposit, on the Company's 60% owned Wheeler River project. Preliminary radiometric equivalent probe results ("eU3O8") from drill hole WR-689D3 are highlighted by an interval of 5.0% eU3O8 over 4.7 metres, including 8.5% eU3O8 over 2.7 metres, from mineralization occurring immediately above the sub-Athabasca unconformity that is comprised of massive to semi-massive uraninite (pitchblende) associated with hydrothermal hematite and clay alteration.

Denison is also pleased to report that a further ten drill holes have been completed within the D series of mineralized lenses, which occur entirely outside of the current resources estimated for the Gryphon deposit. The results continue to exhibit thick high-grade mineralized intervals as drilling focuses on expanding mineralization outwards, on an approximate 25 metre drill spacing, from the previously released results in drill holes WR-641 (5.3% U3O8 over 11.0 metres) and WR-633D3 (1.3% U3O8over 3.0 metres, plus 3.3% U3O8 over 13.5 metres, and 6.2% U3O8 over 2.5 m).

Today's news is highlighted by the following:

- Discovery of new high-grade unconformity-hosted mineralization in drill holes WR-689D3 (5.0% eU3O8 over 4.7 metres) and WR-690D3 (1.2% eU3O8 over 1.4 metres) immediately up-dip of previously intersected basement mineralization that includes drill hole WR-507D2 (19.30% U3O8 over 1.0 metre) and drill hole WR-646 (6.20% U3O8 over 2.5 metres).

- The mineralization occurring at the unconformity is open along strike in both directions, and together with the high-grade mineralization previously discovered in the upper basement has been termed the "E series" of lenses, representing a new high priority target area for resource expansion

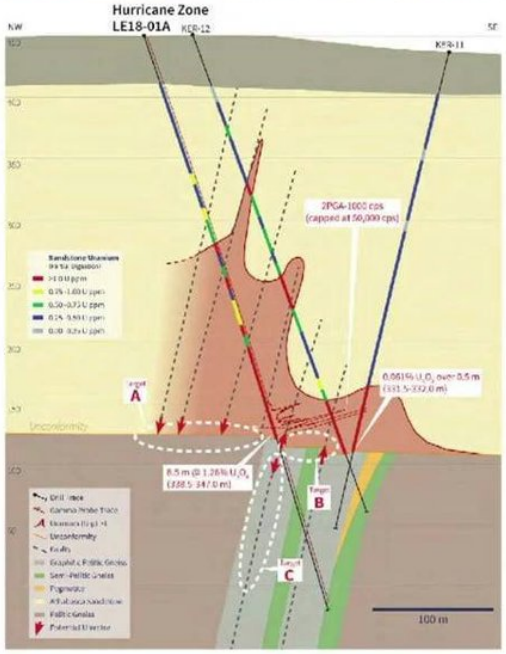
- A further ten drill holes have been completed within the D series lenses, with results continuing to include thick and high-grade mineralized intervals, as drilling expands the mineralized zone outwards from drill holes WR-641 and WR-633D3. Detailed results from the latest drill holes are provided in Table 1, and include the following highlights:

    - 4.8% eU3O8 over 3.7 metres in drill hole WR-694
    - 3.8% eU3O8 over 3.7 metres in drill hole WR-690D2
    - 2.0% eU3O8 over 5.2 metres in drill hole WR-657D1
    - 6.4% eU3O8 over 1.0 metre in drill hole WR-690D1

- Two drill holes testing for an extension of mineralization outside and near the fringes of the current resources estimated for the Gryphon Deposit's A series lenses successfully intersected high-grade mineralization:

11) Drill seasons for #Uranium explorers & developers are my favourite times of the year■ full of anticipation & high hopes for #U3O8 mineralized drill cores and new discoveries■■ that can send share prices rocketing■ or not■■ as investors try to decipher news.■■■ Good luck!■■■

New Discovery – Larocque East



The Hurricane Zone

- **Geochemistry results confirm the presence of high grade uranium, with 2.5 metres @ 3.58% U_3O_8, within 8.5 metres @ 1.26% U_3O_8. The zone has been named the Hurricane Zone.**
- The uranium mineralization is associated with clay and hematite and is surrounded by moderate to strong hydrothermal alteration envelopes in the sandstone and basement. Strong faulting in the basement is likely the cause of a 15 metre offset in the unconformity between LE18-01A and historic drill hole KER-12.
- Mineralization is open along strike, limited only by the property boundary 165 metres to the southwest, and drill hole KER-07, 415 metres to the northeast. KER-07 was likely drilled too far to the north to hit the prospective horizon. On section, the mineralization is limited only by drill hole KER-12, located 57 metres to the southeast.

Wide Open For Expansion in Three Main Areas:

- **Target Area A**: Projection of elevated sandstone uranium and uranium pathfinder geochemistry and structure to the unconformity.
- **Target Area B**: Projection of strong graphitic basement faults with intense alteration and elevated uranium pathfinder geochemistry up to the unconformity
- **Target Area C:** Extensions of intensely altered graphitic structures deeper into the basement towards dilational zones