



## IsoEnergy Announces Initial Assay Results from Hurricane Expansion Drill Holes

Saskatoon, SK, December 1, 2021 – IsoEnergy Ltd. (“IsoEnergy” or the “Company”) (TSXV: ISO; OTCQX: ISENF) is pleased to announce chemical assay results from the first four drill holes completed during the summer drilling campaign at the Hurricane zone. These assays correspond to the scintillometer results reported in IsoEnergy’s September 21, 2021, news release. With respect to further information related to the other drill holes recently completed at Larocque East, remaining chemical assays are pending. Hurricane was discovered in July 2018 and is a high-grade uranium project located on the Company’s 100% owned Larocque East property (the “Property”) in the Eastern Athabasca Basin of Saskatchewan.

**Table 1 – Summer 2021 Drilling Program Results**

Hole ID	From (m)	To (m)	Length (m)	Radioactivity <sup>1,2</sup> (CPS)	Chemical Assays		Location
					U <sub>3</sub> O <sub>8</sub> (%)	Ni (%)	
LE21-78 <sup>4</sup>	Abandoned before target						Section 4460E
LE21-78C1 <sup>3,4</sup>	248.5	260.5	12.0	>500	5.2	1.1	Section 4460E
incl.	253.0	254.0	1.0	>5,000	1.5	2.3	
and incl.	254.5	255.0	0.5	>5,000	1.7	0.3	
and incl.	257.5	259.5	2.0	>30,000	27.6	3.6	
and incl.	260.0	260.5	0.5	>5,000	1.9	0.1	
and	266.0	266.5	0.5	>5,000	1.9	0.7	
LE21-80 <sup>4</sup>	325.0	325.5	0.5	>500	0.1	0.0	Section 4435E
and	326.0	329.5	3.5	>500	2.3	0.1	
incl.	326.0	328.0	2.0	>5,000	4.0	0.2	
incl.	326.5	327.0	0.5	>30,000	9.0	0.4	
LE21-82 <sup>4</sup>	326.5	327.0	0.5	>500	0.2	0.1	Section 4485E
and	328.5	333.0	4.5	>500	0.9	7.2	
incl.	331.0	332.0	1.0	>5,000	1.4	16.2	
LE21-84 <sup>4</sup>	326.5	329.5	3.0	>500	0.5	0.6	Section 4435E
incl.	328.0	328.5	0.5	>5,000	1.9	0.2	
LE21-85 <sup>4</sup>	321.5	322.5	1.0	>500	Pending		Section 4460E
and	327.0	327.5	0.5	>500	Pending		
LE21-87 <sup>4</sup>	Abandoned before target						Section 4460E
LE21-87A <sup>4</sup>	331.0	338.5	7.5	>500	Pending		Section 4460E
incl.	331.5	332.0	0.5	>5,000	Pending		
and incl.	333.5	338.0	4.5	>5,000	Pending		
incl.	334.0	335.0	1.0	>20,000	Pending		
and incl.	336.0	338.0	2.0	>20,000	Pending		
LE21-89 <sup>4</sup>	No significant mineralization						Section 4885E
LE21-91 <sup>4</sup>	336.0	341.0	5.0	>500	Pending		Section 4510E
incl.	337.5	338.0	0.5	>5,000	Pending		
and incl.	338.5	339.0	0.5	>5,000	Pending		

LE21-93 <sup>4</sup>	316.0	316.5	0.5	>500	Pending		Section 4410E
LE21-95 <sup>4</sup>	Abandoned before target						Section 4885E
LE21-95A <sup>4</sup>	No significant mineralization						Section 4885E
LE21-97 <sup>4</sup>	Abandoned before target						Section 4435E
LE21-97A <sup>4</sup>	No significant mineralization						Section 4435E
LE21-100 <sup>4</sup>	No significant mineralization						Section 4635E
LE21-101 <sup>4</sup>	324.5	329.0	4.5	>500	Pending		Section 4785E
incl.	327.5	328.0	0.5	>5,000	Pending		
LE21-103 <sup>4</sup>	330.0	330.5	0.5	>500	Pending		Section 4485E
and	331.0	331.5	0.5	>500	Pending		
and	334.5	338.5	4.0	>500	Pending		
incl.	337.5	338.0	0.5	>5,000	Pending		
LE21-105 <sup>4</sup>	339.5	340.0	0.5	>500	Pending		Section 4535E
LE21-107 <sup>4</sup>	325.5	332.0	6.5	>500	Pending		Section 4485E
incl.	326.0	326.5	0.5	>10,000	Pending		
and incl.	327.5	331.0	3.5	>30,000	Pending		

**Notes:**

1. Radioactivity is total gamma from drill core measured with an RS-125 hand-held spectrometer.
2. Measurements of total gamma cps on drill core are an indication of uranium content but may not correlate with uranium chemical assays.
3. LE21-78C1 is a wedged off-cut LE21-78 at 70m
4. Radioactivity previously disclosed

Andy Carmichael, Vice President of Exploration commented: “The grade and thickness of mineralization in LE21-78C1 coupled with the radioactivity intersected by LE21-87A and LE21-107 is evidence that further potential remains at the J-L fault corridor. We look forward to exploring this prospective corridor in 2022, particularly along strike of LE21-101 as this area is untested for 150m to the west and open to the east.”

Tim Gabruch, President and Chief Executive Officer commented: “The summer drill program was successful in continuing to enhance our understanding of the Hurricane zone. These initial assay results continue to demonstrate the potential of the zone and we are looking forward to returning to Hurricane this winter to follow up on these excellent results.”

**LE21-78C1 (Section 4460E)**

LE21-78C1 was drilled on Section 4460E to expand mineralization to the south of drill hole LE20-77 (8.0m averaging 2.6% U<sub>3</sub>O<sub>8</sub>). The drill hole intersected 12.0m of uranium mineralization from 248.5 to 260.5m that averages 5.2% U<sub>3</sub>O<sub>8</sub>, including 2.0m of strong mineralization from 257.5m to 259.5m that averages 27.6% U<sub>3</sub>O<sub>8</sub>. Mineralization is located at the sub-Athabasca unconformity. Figures 2 and 3 show the location of the drill hole in plan and section view, respectively.

**LE21-80 (Section 4435E)**

Drill hole LE21-80 was completed to test for a north-easterly extension of very strong mineralization intersected by previously reported drill hole LE20-34 (33.9% U<sub>3</sub>O<sub>8</sub> over 8.5m). The drill hole reached the unconformity 19m east-northeast of LE20-34 and intersected 3.5m of uranium mineralization from 326.0m to 329.5m that averages 2.3% U<sub>3</sub>O<sub>8</sub>, including 2.0m averaging 4.0% U<sub>3</sub>O<sub>8</sub> from 326.0 to 328.0m. Figures 2 and 4 show the drill hole in plan and section view, respectively.

### **LE21-82 (Section 4485E)**

Drill hole LE21-82 was completed to expand mineralization to the south on Section 4485E. LE21-82 intersected 4.5m of uranium mineralization from 328.5 to 333.0m that averages 0.9% U<sub>3</sub>O<sub>8</sub>, including 1.0m from 331.0 to 332.0m that averages 1.4% U<sub>3</sub>O<sub>8</sub>. The results this drill hole expanded the Hurricane zone 26m to the south on section 4485; subsequently, LE21-103 (4.0m >500 CPS including 0.5m >5,000 CPS) expanded Hurricane a further 31m to the south of LE21-82. Assays are pending for LE21-103. Figures 2 and 5 show the LE21-82 in plan and section view, respectively.

### **LE21-84 (Section 4435E)**

Drill hole LE21-84 was completed on section with and 28m north of previously reported drill hole LE20-67 (0.2% U<sub>3</sub>O<sub>8</sub> over 2.0m). The drill hole intersected 3.0m of uranium mineralization from 326.5m to 329.5m that averages 0.5% U<sub>3</sub>O<sub>8</sub>, including 0.5m 1.4% U<sub>3</sub>O<sub>8</sub> from 328.0 to 328.5m. This mineralization expanded the Hurricane zone 28m to the north; mineralization was later closed off to the north on Section 4435E by drill hole LE21-97A. Figures 2 and 4 show the drill hole in plan and section view, respectively.

### **The Larocque East Property and the Hurricane Zone**

The 100% owned Larocque East property consists of 33 mineral claims totaling 16,780ha. Two of the project's claims distal to the Hurricane zone are subject to a 2% Net Smelter Returns Royalty of which 1% may be bought back for \$1Million at IsoEnergy's discretion. Larocque East is immediately adjacent to the north end of IsoEnergy's Geiger property and is 35km northwest of Orano Canada's McClean Lake uranium mine and mill.

Along with other target areas, the Larocque East Property covers a 15-kilometre-long northeast extension of the Larocque Lake conductor system; a trend of graphitic metasedimentary basement rocks that is associated with significant uranium mineralization at the Hurricane zone, and in several occurrences on Cameco Corp. and Orano Canada Inc.'s neighbouring property to the southwest of Larocque East. The Hurricane zone was discovered in July 2018 and was followed up with 29 drill holes in 2019 and an additional 48 drill holes in 2020. Dimensions are currently 375m along-strike, up to 125m wide, and up to 12m thick. Mineralization is polymetallic and commonly straddles the sub-Athabasca unconformity 320 m below surface. The best intersection to date is 38.8% U<sub>3</sub>O<sub>8</sub> over 7.5m in drill hole LE20-76. Drilling at Cameco Corp.'s Larocque Lake zone on the neighbouring property to the southwest has returned historical intersections of up to 29.9% U<sub>3</sub>O<sub>8</sub> over 7.0m in drill hole Q22-040. Like the nearby Geiger property, Larocque East is located adjacent to the Wollaston-Mudjatik transition zone - a major crustal suture related to most of the uranium deposits in the eastern Athabasca Basin. Importantly, the sandstone cover on the Property is thin, ranging between 140m and 450m in previous drilling.

Figure 1 – Larocque East Property Map

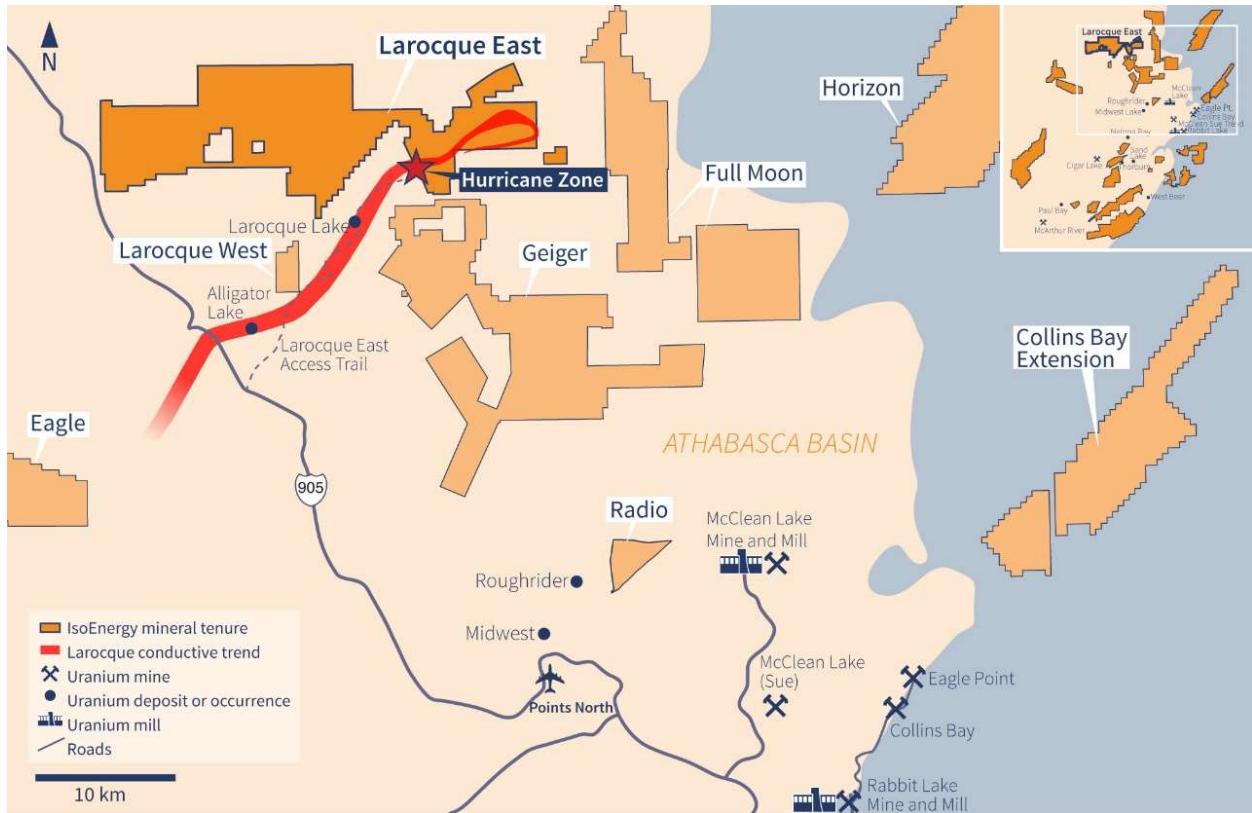


Figure 2 – Western Hurricane Zone Drill Hole Location Map

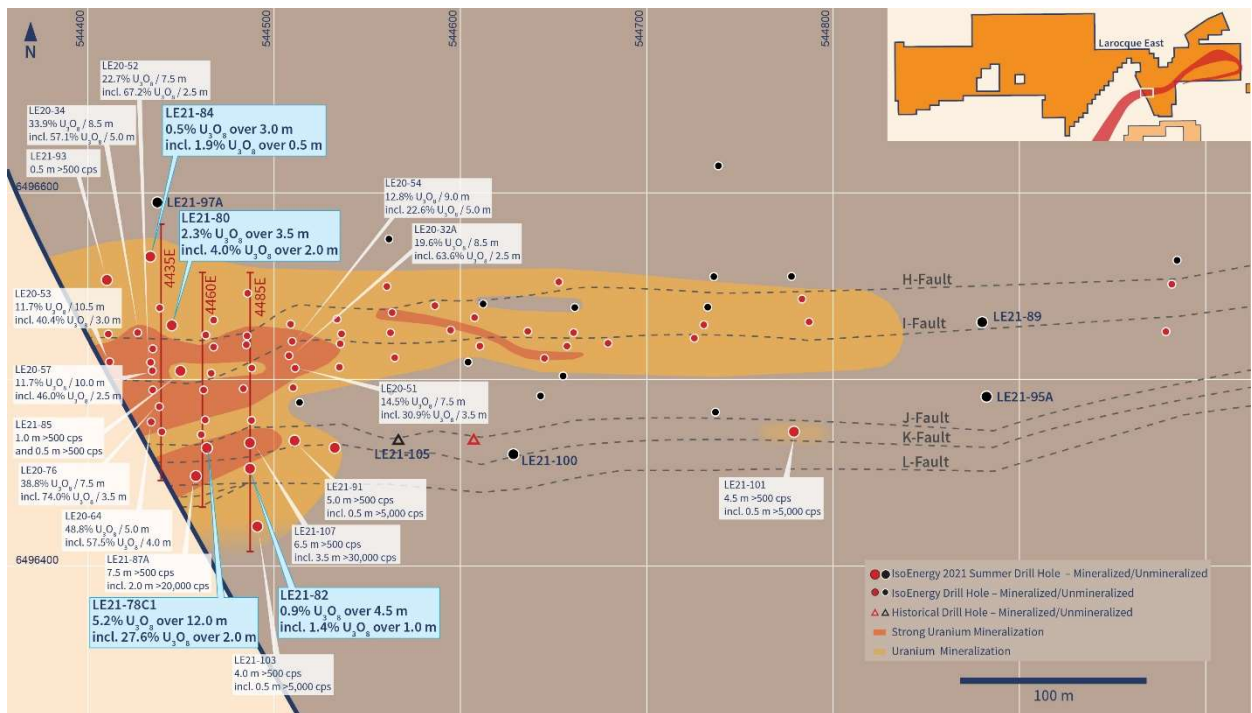


Figure 3 – Section 4460E

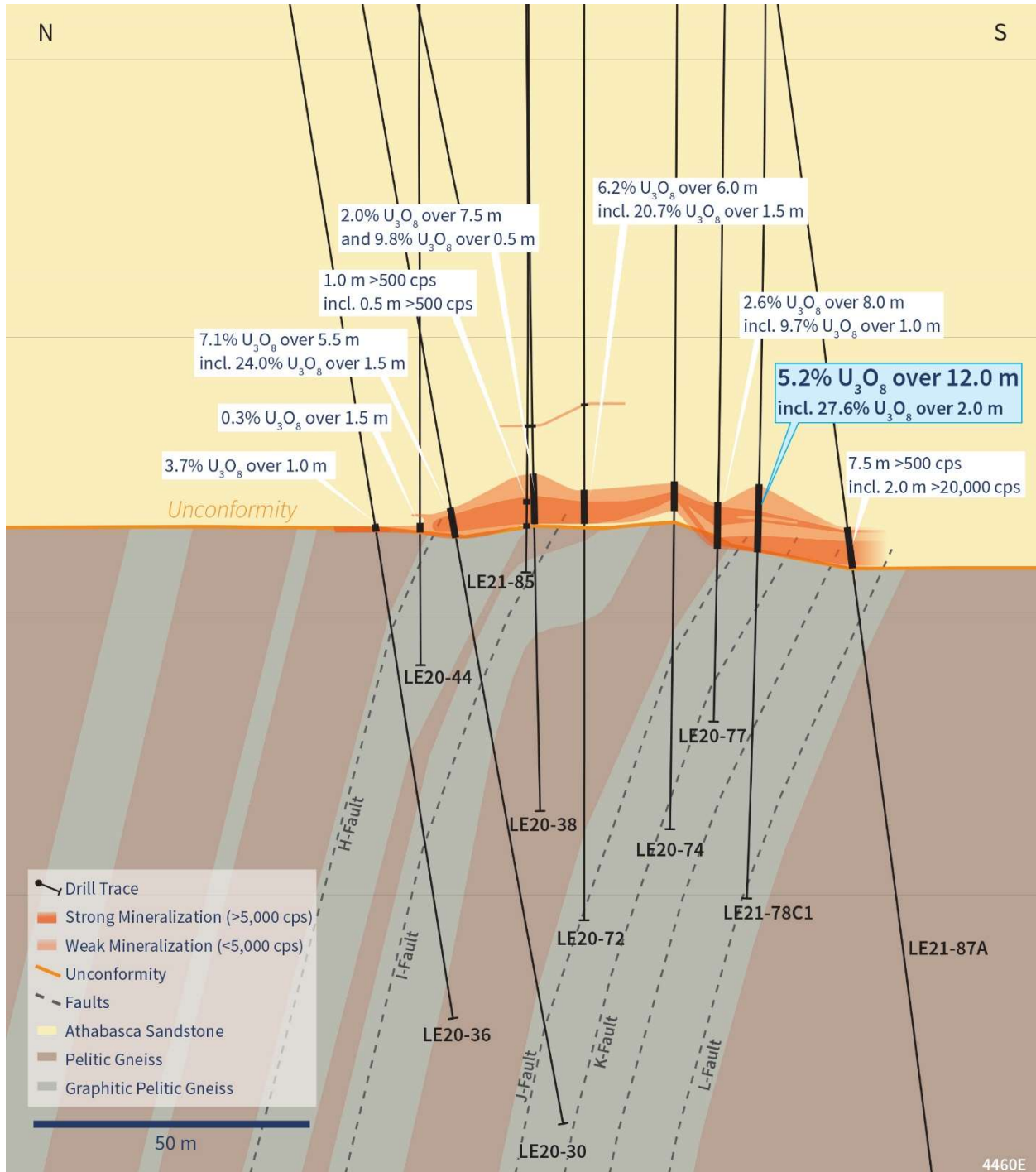


Figure 4 – Section 4435E

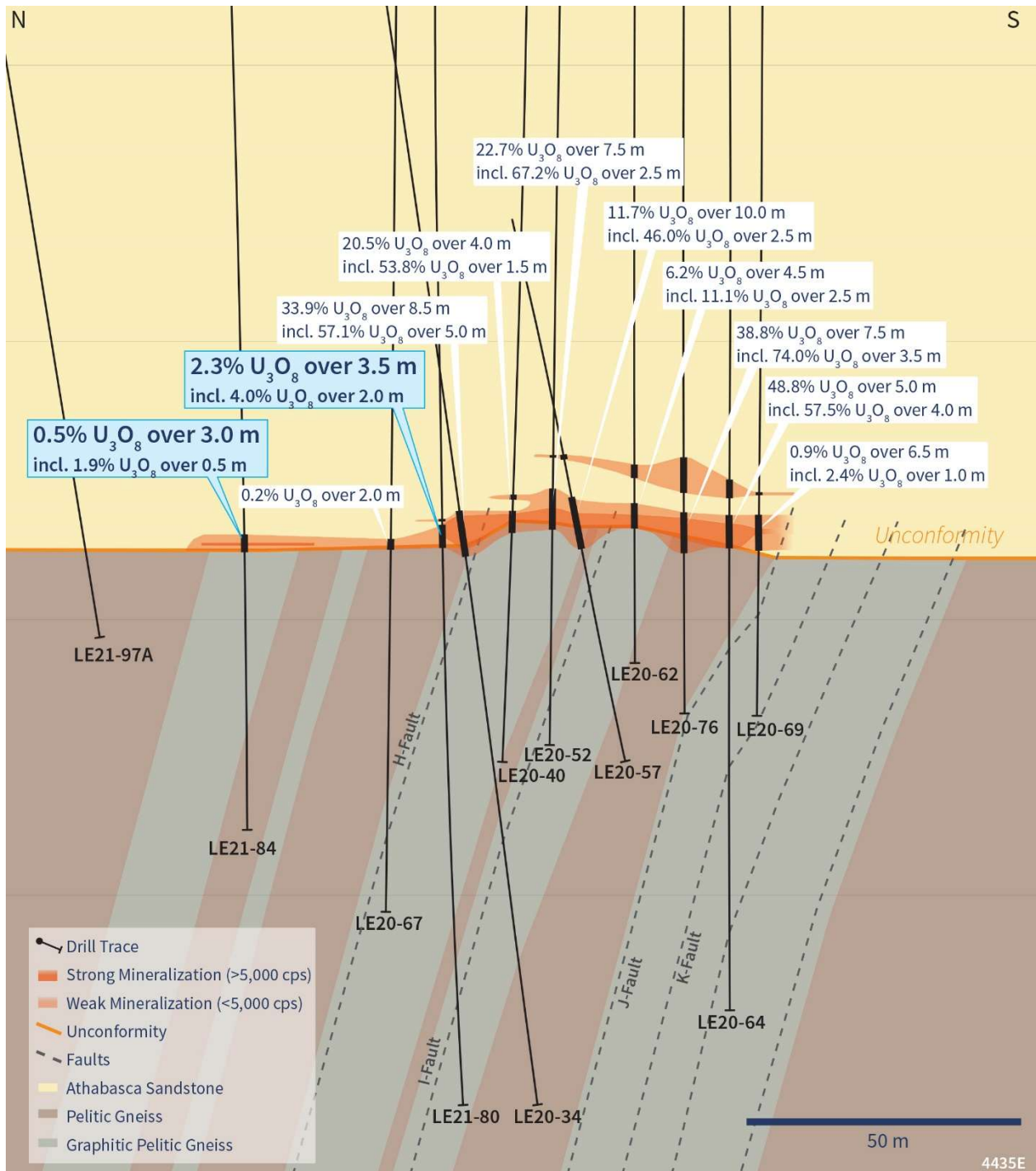
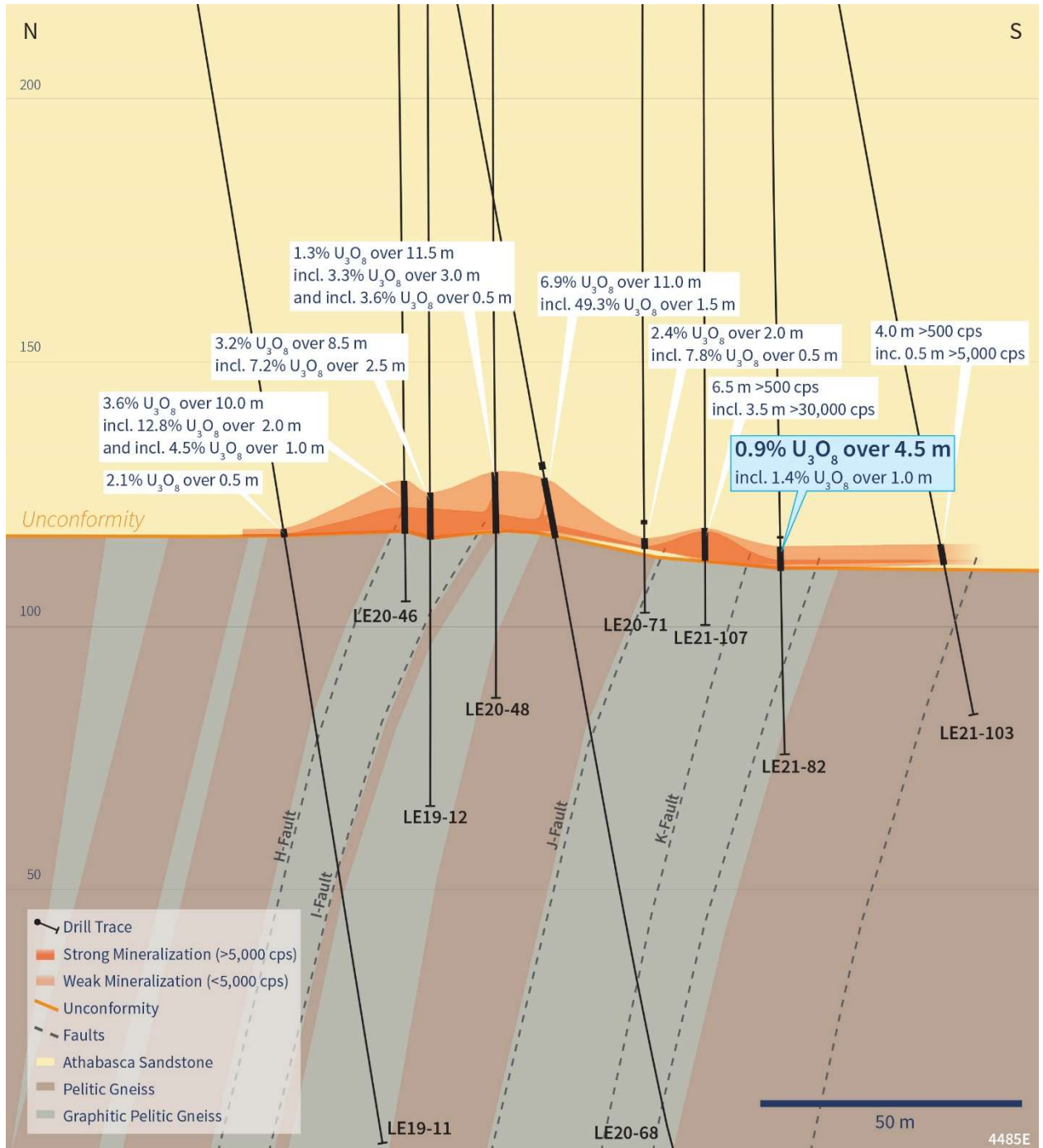


Figure 5 – Section 4485E



## Qualified Person Statement

The scientific and technical information contained in this news release was prepared by Andy Carmichael, P.Geo., IsoEnergy's Vice President, Exploration, who is a "Qualified Person" (as defined in NI 43-101 – *Standards of Disclosure for Mineral Projects*). Mr. Carmichael has verified the data disclosed. All radioactivity measurements reported herein are total gamma from an RS-125 hand-held spectrometer. As mineralized drill holes at the Hurricane zone are oriented very steeply (-70 to -90 degrees) into a zone of mineralization that is interpreted to be horizontal, the true thickness of the intersections is expected to be greater than or equal to 90% of the core lengths. This news release refers to properties other than those in which the Company has an interest. Mineralization on those other properties is not necessarily indicative of mineralization on the Company's properties. All chemical analyses are completed for the Company by SRC Geoanalytical Laboratories in Saskatoon, SK. For additional information regarding the Company's Larocque East Project, including its quality assurance and quality control procedures, please see the Technical Report dated effective May 15, 2019, on the Company's profile at [www.sedar.com](http://www.sedar.com).

## About IsoEnergy

IsoEnergy is a well-funded uranium exploration and development company with a portfolio of prospective projects in the eastern Athabasca Basin in Saskatchewan, Canada. The Company recently discovered the high-grade Hurricane Zone of uranium mineralization on its 100% owned Larocque East property in the Eastern Athabasca Basin. IsoEnergy is led by a Board and Management team with a track record of success in uranium exploration, development, and operations. The Company was founded and is supported by the team at its major shareholder, NexGen Energy Ltd.

**Tim Gabruch**  
President and Chief Executive Officer  
IsoEnergy Ltd.

+1 306-261-6284  
[info@isoenergy.ca](mailto:info@isoenergy.ca)  
[www.isoenergy.ca](http://www.isoenergy.ca)

**Investor Relations**  
Kin Communications

+1 604 684 6730  
[iso@kincommunications.com](mailto:iso@kincommunications.com)

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