

#### Newnham Lake, SK

Athabasca Basin, Uranium

#### Summary

#### DGRM

- Canadian based, private, project generator
- Successful management with a track record of exploration discoveries
- Jointly holds a 100% interest in the Newnham Lake Uranium Project, within the Athabasca Basin Region of Saskatchewan

#### Newnham Lake

- Over 50 years of exploration, drilling, geophysics, rock and soil sampling
- Historic drilling intersected anomalous uranium in multiple locations across the property
- Exploration focused on unconformity uranium targets; basement hosted ignored
- Modern (2018) exploration identified significant alteration within basement rocks

#### Strategy

- Identify areas with potential to host basement-styled uranium mineralization
- Use 3D geophysical modeling for precise targeting
- Drill radon anomalies at depth, with a focus on conductors and structures
- Follow up drilling at NL18-013



## Newnham Lake – Location

- Acquired in 2013, the property consists of one claim (MC00001333) which covers about 1584 ha
- Located approximately 75 km SE of Stony Rapids, SK, property access is via helicopter during summer months
- Proximal to the northeast margin of the Athabasca Basin, the property is host to a wide conductive trend which cuts east-west across the entirety of 1333

Geotech ZTEN Total Divergend

> 8 2.541 0.241 0.241 0.157 0.157 0.157 0.157 0.157 0.157 0.128 0.123 0.112 0.020 0.024 0.024 0.024 0.026

90 Hz IN-Phase D

 ISO Energy's recently discovered Hurricane Zone sits 56 km southeast of Newnham Lake





## Newnham Lake – History

- Uranium exploration began in the general Newnham lake area as early as 1967
- At least 28 shallow drill holes were completed on the property, with Anomalous Uranium encountered
- Exploration focussed on shallow (< 100 m) unconformity uranium occurrence(s)
- Modern uranium discoveries in the Athabasca Basin highlight the potential for basement hosted deposits (Arrow, Gryphon, Millenium etc.), where mineralization can occur several hundred meters below the unconformity
- In 2018 by ALX Resources Corp. at 1333, located significant alteration within basement rocks of NL18-003, as follows:
  - 253 265 m
  - 360 423 m





## Newnham Lake – Geology

- Newman Lake is situated at the northeast margin of the Athabasca Basin, and is primarily underlain by the Manitou Falls Formation
- A sharp contact with the underlying basin unconformity is marked by metapelitic Gneiss and is generally encountered at very shallow <u>depths</u>, ranging from 31 to 89 m
- In 2018 exploration (NL 18-003) located two zones of strong basement alteration along two large shear/fault zones at depths of 253 – 265 m and 360 – 423 m
- Both zones were intensely saussurite, chlorite and sericite altered with sections of hematite and strong clay alteration and local zones of brecciation and intense silicification
- A zone of brecciation was also encountered just above the unconformity in NL18-002

Hole NL18-003: Strong alteration in matrix 332 metres below unconformity





# Newnham Lake – Exploration Techniques

- The Newnham Lake Property sits along a strong east-west trending conductive zone which is overlain a zone of low resistivity and high gravity
- This conductor has been the focus of shallow (avg. 100 m) drilling, which produced anomalous uranium intersections
- A 2019 radon gas survey over the known exploration trend, defined a clear zone of anomalous readings that mirror geophysical anomalies within the eastern part of the property





# Newnham Lake – Model (1333)

- Athabasca Basin <u>Multiple world-class uranium deposits</u>
- Newnham Lake (1333) at shallow margin of the northeastern Athabasca Basin
- Long exploration history, strong alteration, anomalous uranium
- Large-scale basement hosted resistivity low identified in 2018
- Coincident radon anomaly(s) associated with 4+ km long conductive trend
- NL18-003, significant faulting, strong alteration within basement rocks





# **B C Resource Management**

Suite 103, 10183 – 112 Street Edmonton, AB T5K 1M1 Tel: 780-434-9808

www.dgrm.co

Jody Dahrouge Email: jody@dahrouge.com

#### 2017 Preliminary IP Resistivity Survey Cross Sections - Newnham Lake, Saskatchewan







50.0 100 200 400 800 1600 3200 6400 Resistivity in ohn.n

