



ESO

URANIUM CORP.

Trading Symbol:
TSX.V: **ESO**
Frankfurt: **E2G**

Head Office:
Suite 408, 1199 West Pender Street
Vancouver, BC, Canada
V6E 2R1

Toll Free: 1-866-629-8368
Fax: 604-684-9365
Email: info@esouranium.com
Website: www.esouranium.com

*ESO Uranium Corp. is a premiere junior mineral exploration company with strategically selected **GOLD, LITHIUM, BORAX, URANIUM** and other **Precious Metal** properties in North America.*

Canada: British Columbia, Saskatchewan, Ontario. *United States of America:* Nevada



ESO URANIUM CORP. has nearly **300,000 acres** of prospective **GOLD, LITHIUM, BORAX, URANIUM** claims distributed throughout North America.

- **MIKWAM GOLD PROPERTY** in North Eastern Ontario, Canada, totaling approximately **2,000 acres** within the western extension of the Casa Berardi Deformation Zone that hosts the Casa Berardi mine of Aurizon Mines Ltd.
- **DONNA GOLD PROPERTY** in British Columbia, Canada, totaling approximately **5,370 acres**. The property is located in the Monashee Mountains. The property lies in the headwaters of the famous Kettle River Gold Placer Camp. A large cluster of anomalous **Gold** and pathfinder elements shows up the area in Government geochemical surveys. Gold in soils and trenches extends over 1,200 meters in the center of the claims.
- **MARIETTA & TEELS MARSH PROPERTIES** in West Central Nevada, USA, totaling approximately **8,200 acres**. The properties adjoin, covering uranium/copper in granites and a playa (salt lake system with brines) with previous work reporting significant uranium in limited drilling. Recent Information: Recognition of **LITHIUM** and **BORAX in brines in the playa**.
- **ATHABASCA BASIN PROPERTIES:** Cluff, Patterson Lake, Hook Lake, Cree, and Hatchet, that totals over **250,000 acres**. The Athabasca Basin located in Northern Saskatchewan, Canada is the world's most important uranium producing district, which accounts for approximately 30% of global primary **uranium** supply.

UNITED STATES of AMERICA:

NEVADA: LITHIUM, BORAX, URANIUM

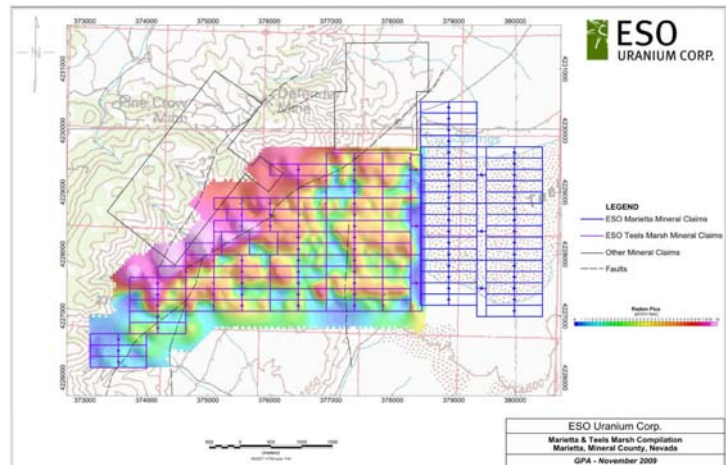
ABOUT LITHIUM & BORAX:

Lithium: is a soft, silver-white metal that belongs to the alkali metal group of chemical elements. Lithium is a solid only about half as dense as water. In addition to its traditional uses in high temperature greases, light metal alloys, and pharmaceuticals, Lithium is the primary element for batteries used in such devices as mobile phones, MP3 players, computers, and is the battery of choice for Hybrid and Electric vehicles. Lithium will be a fundamental metal in the charge to green energy.

Borax: is a trade name for Sodium Borate, a salt of boric acid. It is sold as white powder consisting of soft colorless crystals that dissolve easily in water. Borax has a wide variety of uses for the manufacture of many different products. These include: important use in many detergents, heat resistant glasses (pyrex), cosmetics, abrasives and cutting tools, fire retardant, fungicides & insecticides, fiberglass textiles and insulation, Super Capacitor dielectric (which can be used in hybrid and electric vehicles), as a flux for soldering & brazing, and as a precursor for many other boron compounds including Rocket Fuel.

ESO and LITHIUM / BORAX

- Recognition of lithium and borax in brines in the Marietta project resulted in further land acquisition in the area. The Marietta-Teels Marsh brines were formed by evaporation of waters leaching productive ash fall from the huge Miocene eruptions of the Mono and Mammoth craters; this is the same ash fall environment that contributed to the brines of the Clayton Valley/Silver Peak operations of Chemetal-Foote, the sole producer of Lithium in the USA.
- United States Geological Survey (USGS) Reported **LITHIUM** concentrations up to **850ppm** and other workers reported **BORON** concentrations; over 800 ppm in the playa brines of Teels Marsh.



Marietta Property: West Central Nevada, near Mina.

- Approximately **3,600 acres**
- Previous work by Conoco in the 1970's reportedly had significant uranium intersections in limited drilling.
- The Marietta property was first mined for silver copper ores in the late 1800's. Shear structures up to a few meters in width carrying bornite and oxide copper were the principal source of ore mined. After World War II it was discovered that these high grade ores carried uranium values.
- Grab rock samples from historical workings by ESO in 2008 yielded up to **16.5 g/t Au, 141 g/t Ag, 7.8% Cu, >1% Pb, 0.69% Zn, and 0.33% U3O8.**
- Lithium & Boron brines were identified in the Teels Marsh salt lake, part of the Marietta Property.
- Located near the largest Lithium brine reserve in North America of Clayton Valley & Chemetal-Foote, the sole producer of Lithium in the USA

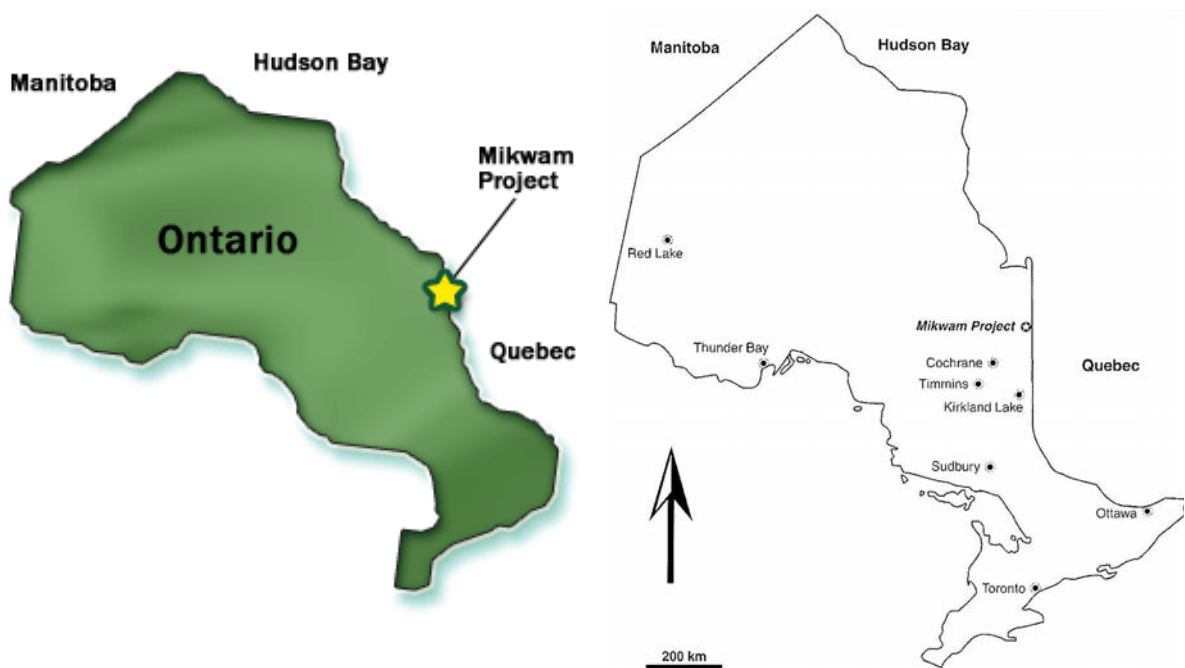
Teels Marsh Property: West Central Nevada, contiguous to Marietta Property.

- Approximately **5,785 acres**
- United States Geological Survey (USGS) Reported **LITHIUM** concentrations up to **850ppm** in TEELS Marsh.
- **TEELS MARSH** claims cover approximately **5,800 acres** which contains concentrated mineral brines sourced from its 200,000 acre drainage basin that is underlying by LITHIUM rich intermediate to felsic volcanic rocks.
- The 280 claims lie on the west end of the playa and on the east side of the granitic intrusive. The East flank of the intrusive terminates against extensional faulting that dropped the adjacent shales and volcanic rock down and much of this regional structure is obscured by piedmont gravels and sands that lie on the west side of a small playa basin. Uranium deposition from ground waters draining into the playa is targeted.
- In 1973, a Conoco geologist reported 10 to 20 feet of 0.1% uranium at a depth of about 100 feet in the Pleistocene and recent lake beds in Teels Marsh.
- In 1873, Smith and Storey Brothers Borax Co. started mining borax at Teels Marsh based on assay results that were higher than any known sources at the time. After several name changes and a merger U.S. Borax was created in 1956, which was subsequently acquired by the Rio Tinto Group in 1967.
- A report by the Clay Minerals Society in 1981 analyzed 17 interstitial brine samples at Teels Marsh, which contained concentrations of boron ranging from 214 to 893 ppm.

PROPERTIES: CANADA

MIKWAM Gold Property: Ontario, Canada. North East of Timmins on the Casa Berardi Deformation Zone,

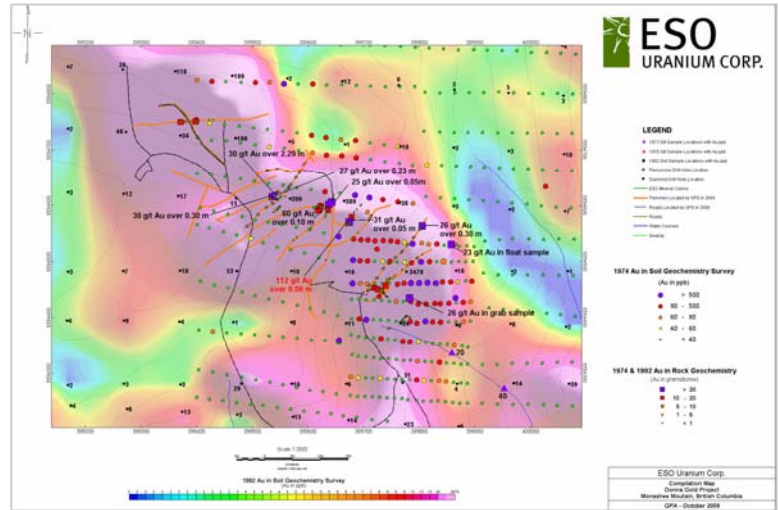
- Approximately **1000 hectares**
- 35 Kms winter road from Aurizon's (TSX: ARZ) Producing Casa Berardi Gold Mine
- Noranda-Falconbridge and Lake Shore Gold are exploring claims near Mikwam
- ESO Drill Program Highlights:
 - **4.10 g/t Gold over 19.0 metres**
 - **4.99 g/t Gold over 13.0 metres**
 - **6.32 g/t Gold over 5.6 metres**
- Previous operator reported a "geologically inferred resource" as information for this zone of 1,504,300 tonnes grading 3.21 g/t totaling **155,827 oz.** (Non NI 43-101 compliant)



DONNA Gold Property: British Columbia, Canada. Monashee Mountain Range

- Approximately **5,370.acres**
- The property is located in the Vernon Mining Division in south-central British Columbia, and is approximately 60 km southeast of Vernon, BC.

DONNA Gold Property is a new gold opportunity for ESO with some geological similarities to the Underworld Gold property in the Yukon: Historical Grab samples / trenching and some minor drilling indicate a very interesting potential.



- The property lies centrally within one of the largest clusters of anomalous values in stream sediments for gold and its typical pathfinders, as identified in Regional Geochemical Surveys carried out in a joint Federal and Provincial programme completed in the last three decades.
- ESO has reviewed various reports concerning past exploration work conducted on the Donna property. These indicated a strong linear zone of gold values intersected by 4 trenches over a distance of 250 metres and open on both ends, to the NW and SE. A gold soil sample anomaly extends for more than 1,200 metres, covering the area of the trenches with values ranging from trace to 4200 ppb (4.2 g/t) gold. Grab samples values are reported in assessment files from 0.02 oz./s.ton (0.69 g/t) gold to 0.66 oz/s.ton (22.76 g/t) gold found in float from the area of the soils geochemistry anomaly.
- Grades up to 0.86 oz/s.ton (29.66 g/t) gold over 8.25 feet (2.5 m.) with a high value of 3.28 oz/s.ton (112.41 g/t) gold over 3 inches (7.5cms) were returned in sampling of the trench walls in this zone. Drilling intercepts up to 0.034 oz/s.ton (1.17 g/t) from 129 to 141 feet (39.3 to 43.0 m) with a high value of 0.55 oz/s.ton (19.09 g/t) from 78 to 82 feet (23.8 to 25.0 m) all in apparent widths. While these samples show significant gold values, the main exploration target is a large bulk tonnage gold-silver deposit supported by the stockwork mineralization.
- Further work including an IP survey for definition of targets followed by drilling related to the known gold zones is planned for early summer 2010.

URANIUM & GOLD

CANADA: Saskatchewan, Athabasca Basin:

ESO Uranium Corp. has a very strategic land package in the prolific Athabasca Basin consisting of: CLUFF LAKE: (Carswell (TSX:ARI) + Carswell (TSX:LGR) + Cluff Lake (TSX:HAT), CREE, HATCHET, HOOK and PATTERSON (TSX:FIS). For a total of: **250,863 acres**

The Premiere property is the Cluff Lake region.



Cluff Lake:

The Cluff Project adjoins the former Cluff Lake (open pit) Mine which produced 63 million pounds of U_3O_8 at a grade of 0.93% which compares favorably to ESO's grade of 0.85% U_3O_8 , encountered in the 2006 drill program, on the adjacent Gorilla Lake zone. The Cluff property also adjoins UEX / AREVA's Shea Creek Project.

- Drill Highlights from ESO's Cluff Property:
- CAR 425 = **0.85% U3O8** (17 lbs/s.ton) over 2.3 meters.
- CLU 01 = **0.46% U3O8** (9.2 lbs/s.ton) over 1.5 meters from 174.0 to 175.5 meters drill interval.
- CLU # 07 had two mineralized intervals. The upper interval from 153 meters to 160 meters (7 meters of drill interval) returned 0.17% U_3O_8 (3.4 lbs/s.ton), including **0.82% U3O8** (16.4 lbs/s.ton) over 1 meter. The lower interval assayed at 0.2% U_3O_8 (4 lbs/s.ton) over 2.0 meters from 175.0 meters to 177.0 meters.
- Partnered with two of the most recently successful Uranium explorers in the Athabasca Basin: HATHOR Exploration (TSK: HAT) and FISSION Energy (TSX: FIS)

Patterson Lake:

- 50/50 JV with Fission Energy Corp (FIS : TSX.V)
- Covers approx 30,800 acres located on the southwestern margin of the Athabasca Basin

Hook:

- Covers approx 60,360 acres. 100% owned
- located approximately 15 kilometres southeast of the UEX/AREVA's Shea Creek project

Cree:

- Covers Approximately 50,000 acres. 100% owned
- Property is strategically located along a northeast trend that hosts numerous high grade uranium intersections

Hatchet:

- Covers approximately 8,600 acres. 100% owned
- property overlies a northwesterly striking belt of meta-sediments up to five kilometers wide near the unconformity with Athabasca Formation sandstone and conglomerate on the northeastern margin of the Athabasca Basin.
- Exploration by ESO Uranium Corp. has included: airborne geophysical Megatem and magnetic surveying; airborne geophysical gamma spectrometric and magnetic surveying; geochemical sandstone boulder surveying; geochemical multi-element soil and biochemical and radon in soil gas surveying; prospecting; and geological evaluation.

MANAGEMENT

Anthony Harvey

Position: Chairman & Director

Mr. Harvey has been consulting to companies in the resource industry for over 40 years and has worked on numerous projects with capital costs exceeding \$400 million. He has first hand experience with a wide range of technical, commercial, corporate and associated public company activities with considerable interface around the world with government agencies, financial institutions and the media.

Mr. Harvey has worked for Wright Engineers Ltd.- Fluor Daniels in various management positions including, Senior Project Manager responsible for the design, construction and start-up of 14 mines world-wide on behalf of major mining corporations, and subsequently found 5 more.

***Benjamin Ainsworth*, MA(Oxon), PEng**

Position: VP Exploration & Director

Mr. Ainsworth is a senior Geologist and mining consultant who has been involved in the mining industry for over forty years. He graduated in 1963 with an honors degree in Geology from Oxford University in England. He joined Placer Development in 1965 and held positions of Senior Geologist, Chief Geochemist, Exploration Manager -- Eastern Canada, Exploration Manager -- Chile, and President -- Placer Chile, South America. Throughout the 70's, Mr. Ainsworth was involved in the design, budgeting and implementation of exploration programs that included drill programs, geophysical surveys, geological mapping, geochemical surveys, and a full range of project evaluation studies.

James Yates

Position: Director

Mr. Yates has over twenty years experience in the mineral exploration industry and has served as a director and officer of several public mining companies. From 1982 to 1988 he was the Founder, President, and Director of Hycroft Resources who successfully brought the Crofoot Mine into production, a gold heap leach operation with annual production of 100,000 ounces of gold. Mr. Yates has overseen the corporate management and financing of a number of projects in North America including American Bullion Minerals, Zappa Resources, and Jersey Goldfields, having raised in excess of \$20million for mineral exploration development.

***Edward Marlow*, LLB, MBA**

Position: Director

Edward Marlow is the Managing Director, Emerging Markets Principal Investments at HSBC, responsible primarily for Sub-Saharan Africa. Formerly at Insinger de Beaufort, UBS and Citigroup and a British Army Officer, Edward holds an MBA from Cranfield University and a post-graduate certificate in Law. Mr. Marlow is also a non-executive director of Santana Diamonds Inc., and Syndicate Asset Management PLC.

***Jonathan George*, BSc., Geol**

Position: Director

With nearly 30 years in international mineral exploration and the management of public resource companies, he brings a wide range of experience to the Company. Jonathan has raised more than \$50 Million for projects throughout North America, Mexico and China.