20 April 2023

LO HERMA URANIUM PROJECT ON TRACK FOR Q2 JORC RESOURCE

Highlights:

- Historical drill logs scanned & being digitised prior to resource modelling & verification
- Historical drill maps digitised and verified to within 20 feet – field verification planned
- Airborne Geophysics scheduled for May
- Permitting preparation underway for drilling at Lo Herma during H2 2023
- Verification drilling will also gather ground water data & target extensions of the known and interpreted mineralisation along trend and at depth
- Lo Herma JORC resource report on track for end of Q2
- Non-renounceable rights issue closes Friday, 21 April

GTI Energy Ltd (**GTI** or **Company**) is pleased to provide an update on its progress towards reporting an Inferred Mineral Resource Estimate (**MRE**), in accordance with the JORC code 2012, at its 100% owned 12,000-acre Lo Herma ISR Uranium Project in Wyoming's Powder River Basin uranium district (**Lo Herma** or **Project**) (**Figure 1**).

As reported to ASX on 14th March 2023, a comprehensive historical data package, with an estimated replacement value of ~$15m, was acquired for Lo Herma. The data package includes original drill logs for roughly 1,445 drill holes pertaining to the Project area. Digitisation of the original drill data is in progress to develop a database suitable for preparation of a mineral resource estimate in accordance with the JORC code 2012.

GTI has now grown the Project area by 33% to 12,000 acres, staking of 4,000 additional acres to capture a greater extent of interpreted mineral trends & historical drilling (ASX 5 April 2023).

In addition to the initial Exploration Target that was advised to ASX on 5th April 2023, (**Table 1**) the Company is making good progress towards its goal of reporting an initial Inferred Mineral Resource Estimate at the Project – a description of these activities is provided overleaf.

The Exploration Target for Lo Herma is estimated in the range 7.3 to 9.0 million tonnes at a grade range of 500 ppm to 700 ppm U_3O_8 containing an estimated **8.1 to 13.9 million pounds of U_3O_8**.

The potential quantity and grade of the Exploration Target is conceptual in nature and there has been insufficient exploration to estimate a JORC-compliant Mineral Resource Estimate. It is uncertain if further exploration will result in the estimation of a Mineral Resource in the defined exploration target areas.

LO HERMA HISTORICAL DATA - COMPLETED ACTIVITIES:

The Lo Herma data package was acquired and secured at BRS Engineering in Riverton during March. The drill hole maps from the data package have been scanned, georeferenced, and drill hole collar locations have been compiled into a drill hole location database. A representative selection of hole locations has been checked against historic location records and were found to be less than 20 feet away from the historic collar coordinates.

Using mapped redox trends, drill hole locations, and grade information, an exploration target range has been estimated, as reported on 5th April 2023 and described on the previous page, by applying low to high mineralisation parameters over the length of the redox trends.

An inventory of bore hole logs has been prepared along with associated documents including grade sheets, lithology logs, and drift data. Scanning priorities were assigned to 1,677 logs which includes a subset of re-run or duplicate logs. All of the logs have been scanned into images and a subset of these logs representing first and second priority logs have been sent to a commercial digitisation company. The digitisation process involves vectorizing the Natural Gamma Counts per Second (CPS) curves from the scanned logs and producing a digital file of down hole CPS data, which will be used to calculate equivalent percent grade Uranium Oxide (eU_3O_8%) content for mineral intercepts.

LO HERMA HISTORICAL DATA - CURRENT ACTIVITIES:

Geologists are currently compiling a database of stratigraphic contacts for the various host sand horizons that will be used to correlate mineral intercept data once the digitised files are available. Mineral intercept interpretations from the data package are being compiled to be used for verification of the digital log files upon receipt of the log files from the digitisation company.

Preliminary steps towards permitting a drilling program at Lo Herma are underway to conduct verification drilling of the historical data, gather information related to the depth of the static ground water table, and strategically target extensions of the mineralisation. Reviews of the environmental constraints and cultural resource avoidance areas are underway. The drilling program is not necessary to generate an initial inferred resource using the logs from the data package. However, completion of new drilling has the potential to increase the initial resource areas and improve the level of confidence regarding the historic data, potentially leading to estimation of indicated resources.

LO HERMA HISTORICAL DATA - FUTURE ACTIVITIES:

Several days of field work are planned, when ground conditions allow, to verify a subset of collar locations that were taken from the maps.

As the digitised log data becomes available, CPS data will be converted to equivalent grades (eU_3O_8%) using US DOE standard methods and compiled into mineral intercepts. The mineral intercepts will need to be correlated into the distinct host sand horizons. Once a database of mineral intercepts by sand horizon is prepared, GT contour resource modeling can proceed to produce inferred estimates of resource tonnes and average grade.

Manual verification of grades will be conducted on a subset of the original logs to verify the accuracy of the gamma curve digitisation work.

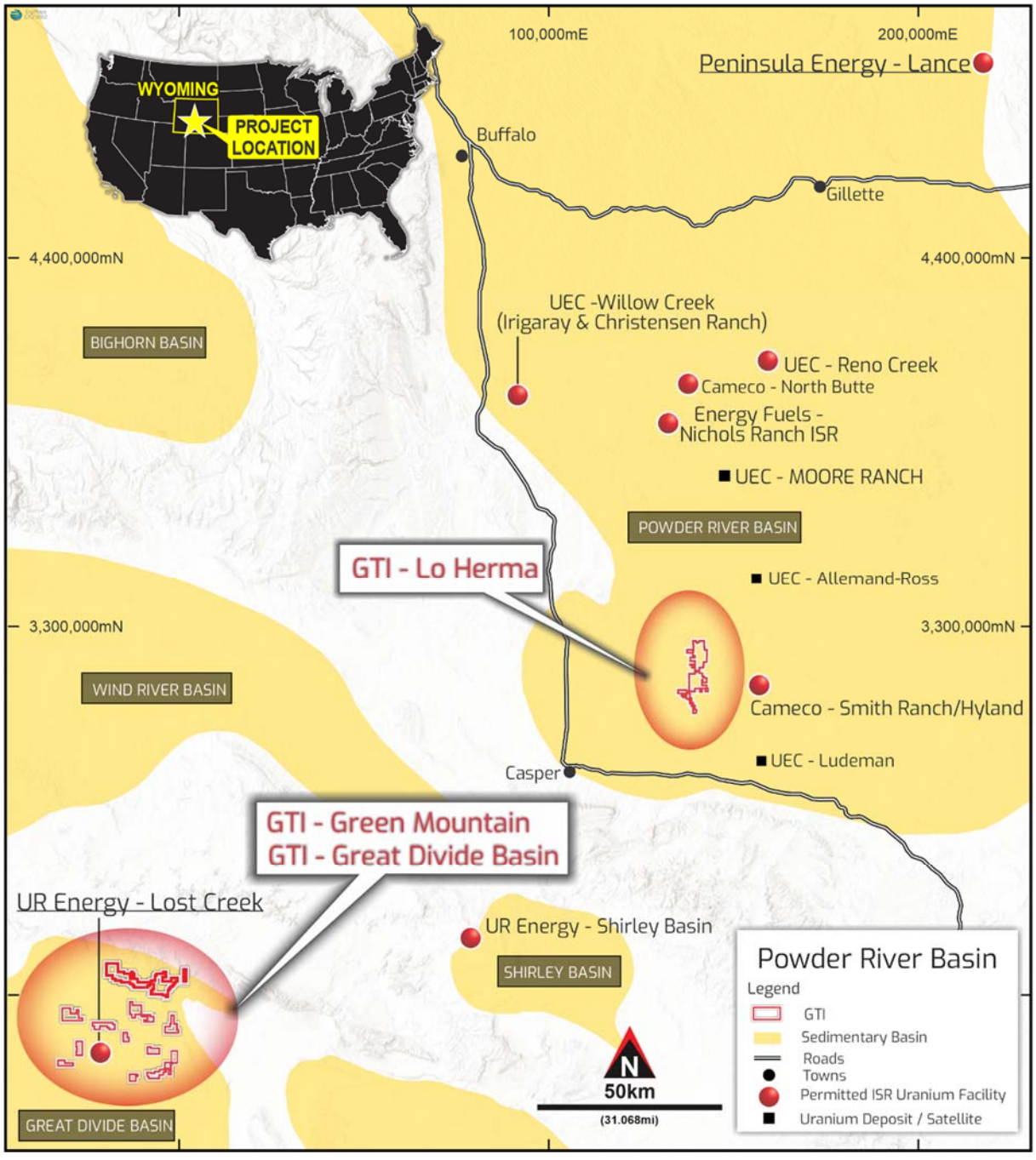
TIMELINE:

The inferred resource estimate is on track to be prepared by the end of June subject to timely delivery of the digitised gamma log files which we hope to see completed by early May.

LO HERMA ISR URANIUM PROJECT – LOCATION & BACKGROUND

The Lo Herma ISR Uranium Project (**Lo Herma**) is located in Converse County, Powder River Basin (**PRB**), Wyoming (**WY**). The Project lies approximately 15 miles north of the town of Glenrock and within ~50 miles of five (5) permitted ISR uranium production facilities. These facilities include UEC's Willow Creek (Irigaray & Christensen Ranch) & Reno Creek ISR plants, Cameco's Smith Ranch-Highland ISR facilities and Energy Fuels Nichols Ranch ISR plant (**Figure 1**). The Powder River Basin has extensive ISR uranium production history and has been the backbone of Wyoming uranium production since the 1970s.

FIGURE 1. GTI WYOMING URANIUM PROJECT LOCATIONS

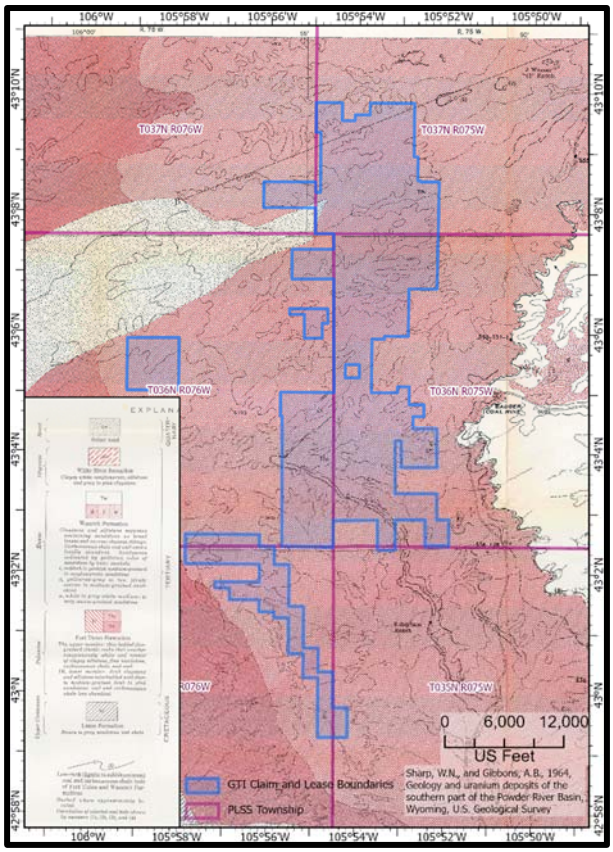


The Exploration Target range for Lo Herma was prepared to assess the initial potential scale of the Project. The mineral tenor at Lo Herma is sandstone hosted uranium roll-front style deposits, associated with redox interfaces in the Wasatch Formation (**Figures 2 & 3**). A review of the data shows that mineralisation is hosted in at least four distinct sandstone horizons, in order from shallowest to deepest the C3, C2, C1 and A sands.

The average grades and dimensions derived from the drill hole maps are consistent with the characteristics of other sandstone roll-front deposits in Wyoming's Powder River Basin.

Most of the historical drilling was limited to 400 feet or so in depth, which indicates historical exploration was targeting uranium for conventional mining methods rather than in situ recovery (ISR) or solution mining. Therefore, the deeper sands of the Fort Union remain underexplored for potential additional roll front systems across the Project area.

FIGURES 2 & 3. LO HERMA GEOLOGICAL SETTING – WASATCH & FORT UNION FORMATIONS



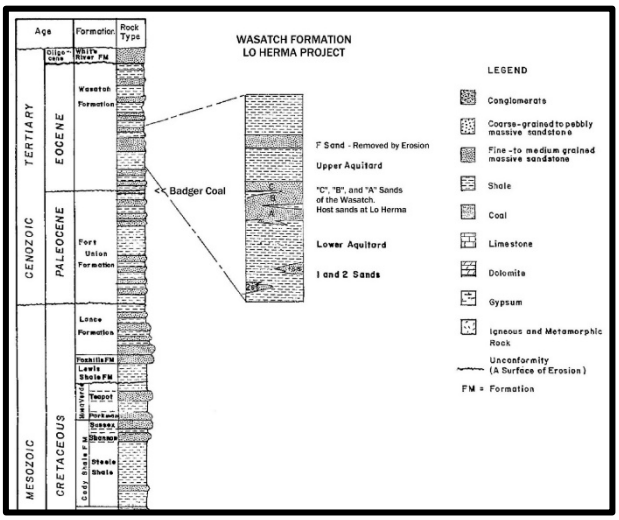


FIGURE 4. LO HERMA PROJECT AREA LOOKING NORTHWEST

FIGURE 5. LO HERMA PROJECT AREA LOOKING NORTHEAST

TABLE 1: SUMMARY OF EXPLORATION TARGETS & RESOURCES[1]

EXPLORATION TARGETS	***MIN TONNES (MN TONNES)***	***MAX TONNES (MN TONNES)***	***MIN GRADE (ppm U_3O_8)***	***MAX GRADE (ppm U_3O_8)***	***MIN MN LBS U_3O_8***	***MAX MN LBS U_3O_8***
Lo Herma Exploration Target	7.31	9.02	500	700	8.05	13.92
GDB Exploration Target	6.55	8.11	420	530	6.10	9.53
TOTAL EXPLORATION TARGET	**13.86**	**17.13**			**14.15**	**23.45**
	TONNES (MILLIONS)		**AVERAGE GRADE (PPM U3O8)**		**CONTAINED U3O8 (MILLION POUNDS)**	
GDB INFERRED MRE	**1.32**		**570**		**1.66**	

The potential quantity and grade of the Exploration Targets is conceptual in nature and there has been insufficient exploration to estimate a JORC-compliant Mineral Resource Estimate. It is uncertain if further exploration will result in the estimation of a Mineral Resource in the defined exploration target areas.

-Ends-

This ASX release was authorised by the Directors of GTI Energy Ltd. Bruce Lane, (Director), **GTI Energy Ltd**

Competent Persons Statement

Information in this announcement relating to Exploration Results, Exploration Targets, and Mineral Resources is based on information compiled and fairly represents the exploration status of the project. Doug Beahm has reviewed the information and has approved the scientific and technical matters of this disclosure. Mr. Beahm is a Principal Engineer with BRS Engineering Inc. with over 45 years of experience in mineral exploration and project evaluation. Mr. Beahm is a Registered Member of the Society of Mining, Metallurgy and Exploration, and is a Professional Engineer (Wyoming, Utah, and Oregon) and a Professional Geologist (Wyoming). Mr Beahm has worked in uranium exploration, mining, and mine land reclamation in the Western US since 1975 and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and has reviewed the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of exploration results, Mineral Resources & Ore Reserves. Mr Beahm provides his consent to the information provided.

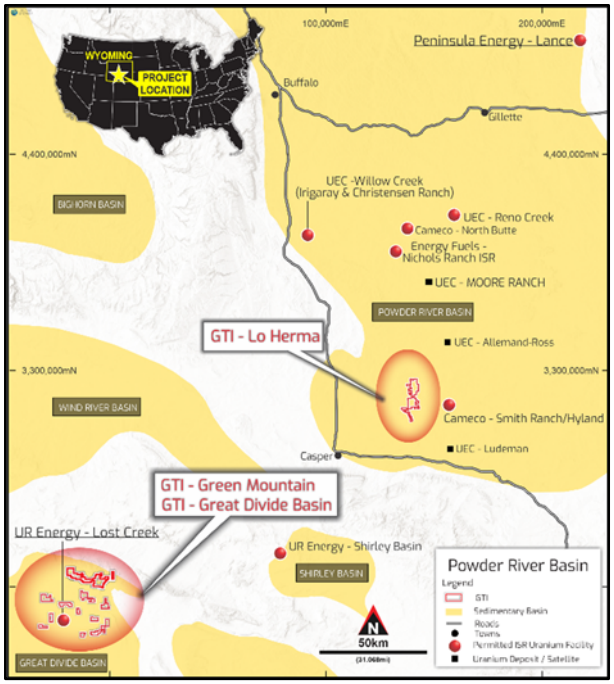
Caution Regarding Forward Looking Statements

This announcement may contain forward looking statements which involve a number of risks and uncertainties. Forward-looking statements are expressed in good faith and are believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. The forward- looking statements are made as at the date of this announcement and the Company disclaims any intent or obligation to update publicly such forward looking statements, whether as the result of new information, future events or results or otherwise.

[1] Refer ASX release from 05/04/23.

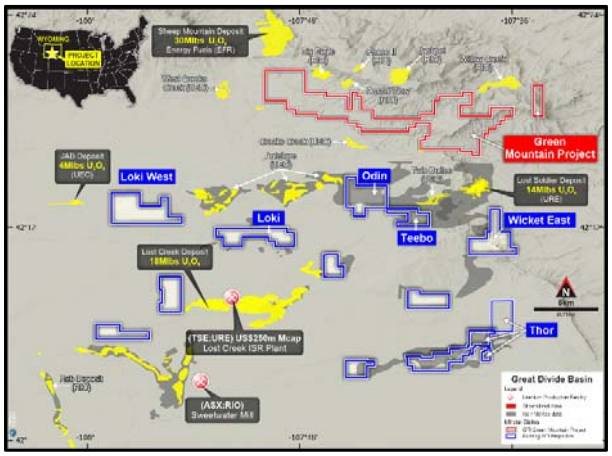
GTI ENERGY LTD – PROJECT PORTFOLIO

POWDER RIVER BASIN, ISR URANIUM, WYOMING, USA



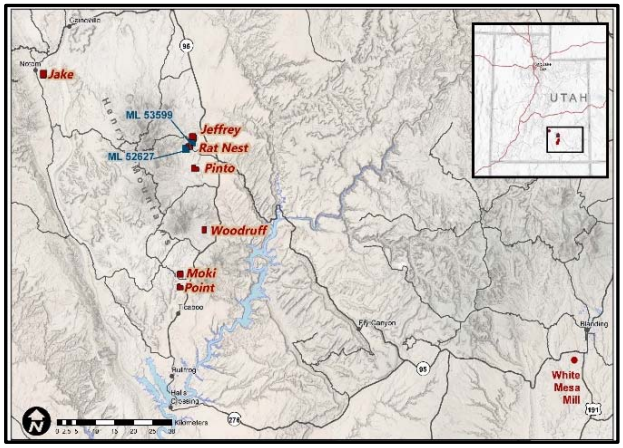
GTI holds 100% of ~12,000 acres (~4,850 hectares) over a group of strategically located mineral lode claims (**Claims**) highly prospective for sandstone hosted uranium. The Lo Herma ISR Uranium Project (**Lo Herma**) is located in Converse County, Powder River Basin, Wyoming. The project lies approximately ~15 miles north of Glenrock and within ~50 miles of 5 permitted ISR uranium production facilities & several satellite ISR uranium deposits. These facilities include UEC's Willow Creek (Irigaray & Reno creek) ISR plant, Cameco's Smith & Hyland Ranch ISR plants and Nichols Ranch ISR plant owned by Energy Fuels Inc. The Powder River Basin has an extensive ISR uranium production history and has been the backbone of the Wyoming uranium production business since the 1970s.

GREAT DIVIDE BASIN & GREEN MOUNTAIN ISR URANIUM, WYOMING, USA



GTI Energy holds 100% of ~34,000 acres (~13,500 hectares) over several groups of strategically located and underexplored mineral lode claims (**Claims**) & 2 state leases (**Leases**), prospective for sandstone hosted uranium that is amenable to low cost, low environmental impact ISR mining. The properties are located in the Great Divide Basin (**GDB**) and at Green Mountain[2], Wyoming, USA. The properties are located in proximity to UR-Energy's (**URE**) operating Lost Creek ISR Facility the GDB roll front REDOX boundary. The Green Mountain Project contains a number of uranium mineralised roll fronts hosted in the Battle Springs formation near several major uranium deposits held by Rio Tinto.

HENRY MOUNTAINS CONVENTIONAL URANIUM/VANADIUM, UTAH, USA



The Company has ~1,800 hectares of land holdings in the Henry Mountains region of Utah, within Garfield & Wayne Counties. Exploration has focused on approximately 5kms of mineralised trend that extends between the Rat Nest & Jeffrey claim groups & includes the Section 36 state lease block. Uranium & vanadium mineralisation in this location is generally shallow at 20-30m average depth. The region forms part of the Colorado Plateau. Sandstone hosted ores have been mined here since 1904 and the mining region has produced over 17.5Mt @ 2,400ppm U_3O_8 (92Mlbs U_3O_8) & 12,500ppm V_2O_5 (482Mlbs V_2O_5)[3].

[2] https://www.asx.com.au/asxpdf/20220406/pdf/457rgrxcdh0v8p.pdf
[3] Geology and recognition criteria uranium deposits of the salt wash types, Colorado Plateau Province, Union Carbine Corp, 1981, page 33