

Anson Commences Mineral Resource Drilling Program at Green River Lithium Project

Highlights:

- **Anson has commenced its JORC Mineral Resource Drilling campaign at its Green River Lithium Project in Utah, USA;**
- **Drilling is underway at the first exploration well, Bosydaba 1, and represents the first phase in Anson's JORC Mineral Resource definition plan at the Green River Project**
- **Drilling is planned to a depth of ~3,292m (10,800ft) and will sample the Mississippian Units and Clastic Zones – drilling will enable brines to be sampled from all evaporite layers**
- **Core will also be collected to assist the assessment of porosity, permeability and other key factors from which Anson plans to confirm a maiden JORC Mineral Resource at the Project**
- **Drilling is expected to be completed in the current quarter and results will be released when available**

Anson Resources Limited (ASX: ASN) (Anson or the Company) is pleased to announce that it has commenced its JORC Mineral Resource drilling program at the Green River Lithium Project (the Project) in the Paradox Basin, in south-eastern Utah, USA.

The drilling program is the first stage of Anson's Resource definition drilling at the Green River Project, and will be undertaken on the Company's recently acquired industrial-use land at the Project, which is privately owned by Anson (ASX Announcement 13 September 2023).

The well, Bosydaba 1 (Figure 1), will be drilled to a total vertical depth of 10,800 feet (3,292 metres) and is located adjacent to the Company's planned Utah Sample Demonstration Plant (USDP) and the on-site Visitor Centre.

Drilling is targeting both the Clastic Zones and the Mississippian Units that contain previously recorded supersaturated brines. Coring will be carried out on the major horizons of interest and will be used for laboratory test work.

Anson then plans to use the resultant data, such as specific yield, to delineate a JORC Mineral Resource at the Green River Project.

Drilling is expected to be completed in the current quarter.

Anson's privately held property at Green River has been re-zoned as a Conditional Use Permit (CUP) from the Green River City Planning & Zoning Commission, which allows exploration drilling and mineral processing to be carried out on these land parcels within the Project area (ASX Announcement 23 January 2024). The drilling program is the first new well that Anson has drilled in the region.



Figure 1: The drill rig setup at the Bosydaba#1 well site.

About the Green River Lithium Project

The Green River Project was staked in January 2023 (ASX announcement 30 January 2023). Anson proposes to explore and develop the Project in parallel with the development of its core asset, the nearby Paradox Lithium Project. The Green River Project is a significant strategic component of Anson's US lithium asset portfolio. The Company is leveraging its experience and expertise in the region to fast-track exploration and mineral delineation of the Green River Project, to be followed by planned project development (subject to results).

The Green River Project exhibits the positive geological characteristics of the Paradox Project including rock units and stratigraphy. Supersaturated brines have been intercepted in historical oil and gas drilling at the Green River Project, which has enabled Anson to interpret a substantial Exploration Target of; **2.0 billion tons to 2.6 billion tons of brine, grading 100 -150ppm Lithium and 2,000 – 3,000ppm Bromine** at the Green River Project¹ (ASX Announcement 15 February, 2023).

Lithological Unit	Range	Brine Tonnes (Mt)	Li Grade (ppm)	Br Grade (ppm)	Li (t)	Li ₂ O ₃ (t)	Br (t)
Mississippian	Minimum	2,000	100	2,000	200,000	1,064,600	3,200,000
& Clastic Zones	Maximum	2,600	150	3,000	390,000	2,075,900	7,800,000

Table 1: Exploration Target estimation for the Green River Lithium Project - for the combined Mississippian Leadville and Pennsylvanian Paradox Units.

1 The Exploration Target figure is conceptual in nature as there has been insufficient exploration undertaken on the Project to define a mineral resource for the Clastic Zones and the Leadville Formation. It is uncertain that future exploration will result in a mineral resource.

Conservation of Water Aquifers

The current exploration drilling program at Green River has been designed to ensure that there is no interaction between the surface waters and the supersaturated lithium brines - as the well is steel and cemented in place.

The evaporites of the entire Pennsylvanian Formation act as an impermeable layer (Figure 2), constituting a sealed water boundary between the ground water flow systems. The salts within each evaporite cycle are plastic, flows and then re-seals*.

Research has shown that as little as 150 metres of overburden is sufficient to start plastic deformation of the halite and as a result they do not transmit water between these layers and do not interact with surface waters**.

The majority of the geological rock units above the evaporite beds (which are sandstone and limestone) are unsaturated, containing minimal volumes of water. Consequently, the aquifers that are located in the area are overlain by impermeable rock units.

* Kite, R. J., and Lohman, S. W., 1973, Geologic appraisal of Paradox basin salt deposits for waste emplacement: U.S. Geological Survey Open-File Report

** Cater, F. W., 1970, Geology of the salt anticline region in southwestern Colorado: U.S. Geological Survey Professional Paper 637.

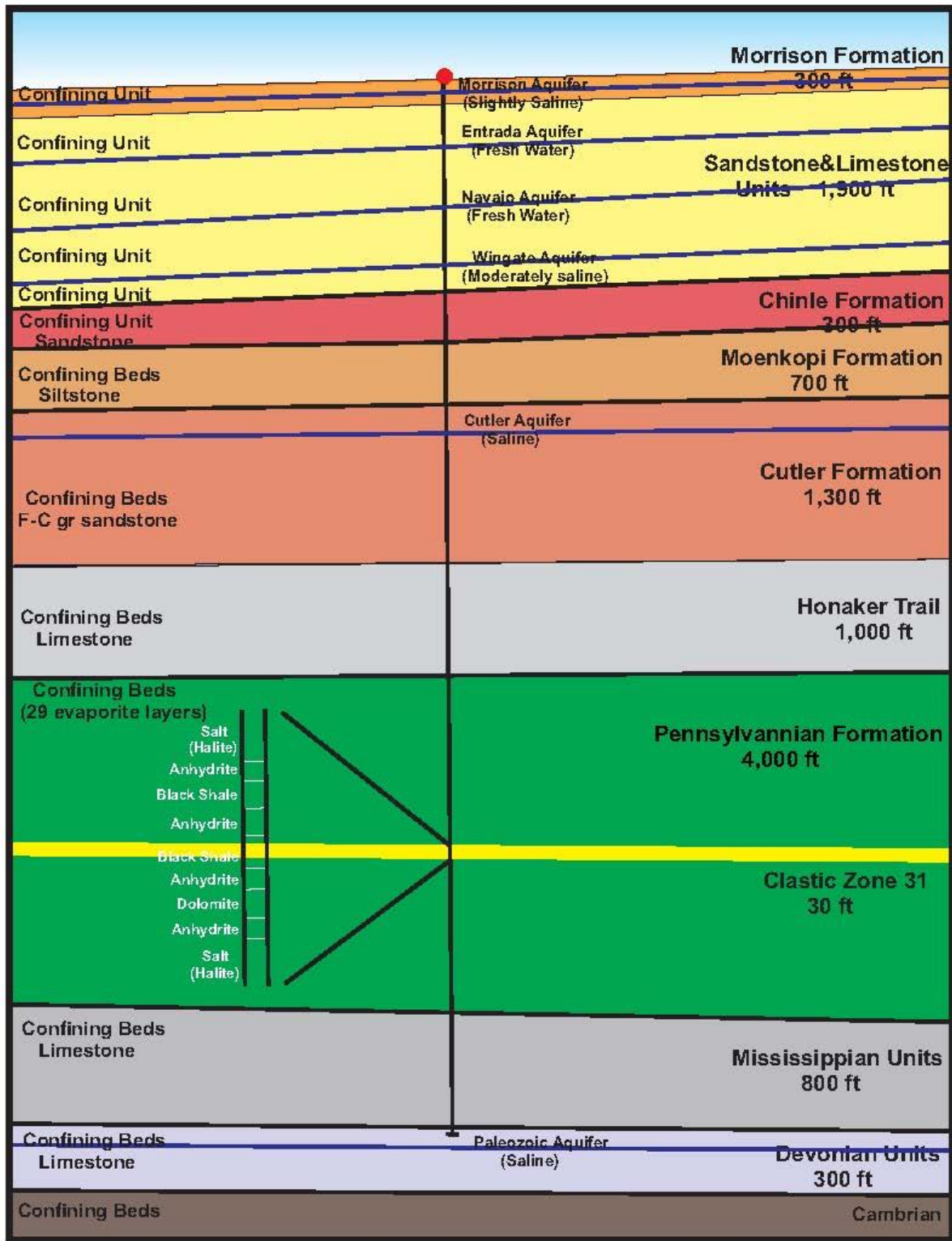


Figure 2: Section showing the proposed well and the formations that will intersected and the impermeable layers.

This announcement has been authorised for release by the Executive Chairman and CEO.

ENDS



For further information please contact:

Bruce Richardson
Executive Chairman and CEO
E: info@ansonresources.com
Ph: +61 7 3132 7990

www.ansonresources.com

Follow us on Twitter @anson_ir

Media and Investor Relations
James Moses, Mandate Corporate
E: james@mandatecorporate.com.au
Ph: +61 420 991 574

Click here to subscribe to news from Anson Resources: <https://www.ansonresources.com/contact/>

About Anson Resources Ltd

Anson Resources (ASX: ASN) is an ASX-listed junior mineral resources company with a portfolio of minerals projects in key demand-driven commodities. Its core asset is the Paradox Lithium Project in Utah, in the USA. Anson is focused on developing the Paradox Project into a significant lithium producing operation. The Company's goal is to create long-term shareholder value through the discovery, acquisition and development of natural resources that meet the demand of tomorrow's new energy and technology markets.

Forward Looking Statements: Statements regarding plans with respect to Anson's mineral projects are forward looking statements. There can be no assurance that Anson's plans for development of its projects will proceed as expected and there can be no assurance that Anson will be able to confirm the presence of mineral deposits, that mineralisation may prove to be economic or that a project will be developed.

Competent Person's Statement 1: The information in this announcement that relates to exploration results, exploration target and geology is based on information compiled and/or reviewed by Mr Greg Knox, a member in good standing of the Australasian Institute of Mining and Metallurgy. Mr Knox is a geologist who has sufficient experience which is relevant to the style of mineralisation under consideration and to the activity being undertaken to qualify as a "Competent Person", as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves and consents to the inclusion in this report of the matters based on information in the form and context in which they appear. Mr Knox is a director of Anson.

JORC Code 2012 “Table 1” Report

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralization that are Material to the Public Report. In cases where ‘industry standard’ work has been done this would be relatively simple (e.g. ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverized to produce a 30 g charge for fire assay). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralization types (e.g. submarine nodules) may warrant disclosure of detailed information. 	<ul style="list-style-type: none"> Sampling will follow the protocols produced by SRK for lithium brine sampling. Samples will be collected in 1,000 litre IBC containers and samples taken from them to provide representative samples of the complete volume of brine collected. The brine samples to be assayed will be collected in clean plastic bottles. Each bottle will be marked with the location and sample interval. Duplicate samples will also be collected and securely stored. Bulk samples will also be collected for future use. Sample sizes will be appropriate for the program being completed.
Drilling Techniques	<ul style="list-style-type: none"> Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, facesampling bit or other type, whether core is oriented and if so, by what method, etc.). 	<ul style="list-style-type: none"> N/A
Drill Sample Recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	<ul style="list-style-type: none"> N/A
Logging	<ul style="list-style-type: none"> Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged. 	<ul style="list-style-type: none"> N/A

Criteria	JORC Code Explanation	Commentary
Sub-sampling Techniques and Preparation	<ul style="list-style-type: none"> • If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled. 	<ul style="list-style-type: none"> • N/A
	<ul style="list-style-type: none"> • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples. • Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. <p>Whether sample sizes are appropriate to the grain size of the material being sampled.</p>	<p>Historic Wells</p> <ul style="list-style-type: none"> • Sample size and quality were considered appropriate by operators/labs. <p>New Wells</p> <ul style="list-style-type: none"> • Sampling will follow the protocols produced by SRK for lithium brine sampling. • Samples will be collected in IBC containers and samples taken from them. • Duplicate samples kept Storage samples will also be collected and securely stored. • Bulk samples will also be collected for future use. • Sample sizes will be appropriate for the program being completed.
Quality of Assay Data and Laboratory Tests	<ul style="list-style-type: none"> • The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	<ul style="list-style-type: none"> • N/A
Verification of Sampling and Assaying	<ul style="list-style-type: none"> • The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data. 	<ul style="list-style-type: none"> • N/A
Location of Data Points	<ul style="list-style-type: none"> • Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control. 	<ul style="list-style-type: none"> • N/A

Criteria	JORC Code Explanation	Commentary
<i>Data Spacing and Distribution</i>	<ul style="list-style-type: none"> • <i>Data spacing for reporting of Exploration Results.</i> • <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> • <i>Whether sample compositing has been applied.</i> 	<ul style="list-style-type: none"> • N/A
<i>Orientation of Data in Relation to Geological Structure</i>	<ul style="list-style-type: none"> • <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i> • 	<ul style="list-style-type: none"> • N/A
<i>Sample Security</i>	<ul style="list-style-type: none"> • <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> • N/A
<i>Audits or Reviews</i>	<ul style="list-style-type: none"> • <i>The results of any audits or reviews of sampling techniques and data</i> 	<ul style="list-style-type: none"> • No audits or reviews have been conducted at this point in time.

Section 2 Reporting of Exploration Results

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
<i>Mineral Tenement and Land Tenure Status</i>	<ul style="list-style-type: none"> • <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> • <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.</i> 	<ul style="list-style-type: none"> • The Green River Lithium Project is located in southeastern Utah, USA, consisting of 1,251 placer claims that encompasses a land position of 10,620 hectares. • Purchased private property consists of a 55 hectare land parcel • All claims are held 100% by Anson's U.S. based subsidiary, Blackstone Minerals NV LLC. • The claims/leases are in good standing, with payment current to the relevant governmental agencies.
<i>Exploration Done by Other Parties</i>	<ul style="list-style-type: none"> • <i>Acknowledgment and appraisal of exploration by other parties.</i> 	<ul style="list-style-type: none"> • Historical exploration for brines within the Paradox Basin includes only limited work in the 1960s. No brine resource estimates had been completed in the area, nor has there been any historical economic production of bromine or lithium from these fluids. • The historical data generated through oil and gas development in the Paradox Formation has supplied some information on brine chemistry.

Criteria	JORC Code Explanation	Commentary
Geology	<ul style="list-style-type: none"> • Deposit type, geological setting and style of mineralization. 	<ul style="list-style-type: none"> • The geology of the Paradox Formation indicates a restricted marine basin, marked by 29 evaporite sequences. Brines that host bromine and lithium mineralization occur within the saline facies of the Paradox Formation and are generally hosted in the more permeable dolomite sediments. • Controls on the spatial distribution of certain salts (boron, bromine, lithium, magnesium, etc.) within the clastic aquifers of the Paradox Basin is poorly understood but believed to be in part dictated by the geochemistry of the surrounding depositional cycles, with each likely associated with a unique geochemical signature. • The source and age of the brine requires further investigation.
Drill Hole Information	<ul style="list-style-type: none"> • A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar - dip and azimuth of the hole - down hole length and interception depth - hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	<ul style="list-style-type: none"> • Drillhole collar LAT : 38°58'56.85510" LON : 110°08'35.14421" EL : 4070.1'
Data Aggregation Methods	<ul style="list-style-type: none"> • In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade • Brine samples taken in holes were averaged (arithmetic average) without 14 Criteria JORC Code explanation Commentary truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. • Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> • N/A
Relationship Between Mineralization Widths and Intercept Lengths	<ul style="list-style-type: none"> • These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known'). 	<ul style="list-style-type: none"> • The sediments hosting the brine aquifer are interpreted to be essentially perpendicular to the vertical oil wells. Therefore, all reported thicknesses are believed to be accurate. • Brines are collected and sampled over the entire perforated width of the zone. • The Mississippian Units are assumed to be porous and permeable over its entire vertical width based on drilling records.

Criteria	JORC Code Explanation	Commentary
<i>Diagrams</i>	<ul style="list-style-type: none"> • <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i> 	<ul style="list-style-type: none"> • N/A
<i>Balanced Reporting</i>	<ul style="list-style-type: none"> • <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i> 	<ul style="list-style-type: none"> • N/A
<i>Other Substantive Exploration Data</i>	<ul style="list-style-type: none"> • <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i> 	<ul style="list-style-type: none"> • All available current exploration data has been presented.
<i>Further Work</i>	<ul style="list-style-type: none"> • <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	<ul style="list-style-type: none"> • The wells and sampling planned will cover the Paradox Formation and Leadville Limestone. • Future wells will focus on wells surrounding the proposed locations to upgrade future JORC resources.