

ICONIC INSIGHTS

Plan of Operations comes next...

Iconic Minerals has prioritized all environmental and cultural work early on to fast-track the project into this next phase of drilling work. New data gained under the further drilling programs will be in addition to the "PEA" results, Thereby bolstering the mining and production plan, currently commissioned.

Extraction could be the Home Run...

St. George's Eco-Mining is still testing purification of Bonnie Claire's lithium concentrated material using proprietary compounds, of which is expected to need further patent protection on the methods being used. These results are expected in September, the end of St. George's Q3 as mentioned in their Form 7 Monthly Progress Report dated August 9th, 2021



Producing Lithium...

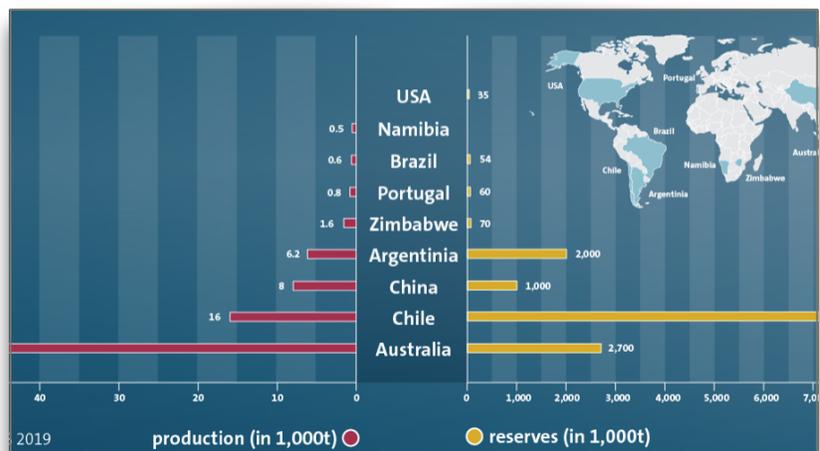
[Watch this Video](#) - Richard Kern

Extraction, Extraction, Extraction... here various techniques will be the key economics of lithium mining going into the production. Extensive research and development has been invested by many developing



effective clay processing techniques, including acid, alkaline, chloride and sulfate leaching, as well as water disaggregation and hydrothermal treatment. To date, few of these technologies have proven to be economically viable for extracting lithium from clay.

Clarification & Filtration each lithium extraction process has a unique polishing step that will depend on the product being manufactured (whether it's **lithium carbonate, lithium sulfate, or lithium hydroxide**). These steps will also vary based on the type of feed stock being used, such as **ore, clays or liquid brine**.



🇨🇦 TSX : ICM

🇺🇸 OTC : BVTEF

🇩🇪 FSE : YQGB

Planning Nevada Lithium Production



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INSIGHT...

Lithium is mined generally from three sources: lithium brines, spodumene and clay deposits. Analysts generally agree that cost of production for lithium brines is about half that of spodumene, which is a hard rock.

Hectorite Clays are newer sources of lithium found in clay deposits, which sit in range between brines and hard rock, in terms of cost-effectiveness. Mining costs are lower with clay, as it is relatively easy to extract. Currently, clay must be leached or roasted to extract the lithium, a chemically intensive process.

Brine projects account for most of today's world lithium production but geologists say that in the near term, processing clay in Nevada will rival Chile's brines for cost-effectiveness. - *Green Business News* - Reuters



In the Mean Time...

Iconic has an Awesome Neighborhood. Tesla plans to mix clay in Nevada with table salt and then add water, which it says causes a reaction where the salt would leach out with lithium, which can then be extracted.

The leftover clay would then be put back in the earth to mitigate environmental damage. In September 2020, Tesla filed a [New Patent](#) related to the acid-free saline lithium extraction process mentioned by Elon Musk during [Battery Day](#). Titled "Selective extraction of lithium from clay minerals," the patent states that extracting lithium from this ore using sodium chloride is an environmentally friendlier way to obtain the metal, compared to currently used techniques such as acid leaching. According to Tesla, it also allows for higher recoveries.

Spearmint Resources reminded Musk that not far away from his Gigafactory in Nevada, the Clayton Valley lithium-clay project is being developed. - *July 16, 2021 Mining [Dot] Com*

Neighboring Canadian miner, Iconic Minerals Ltd. is also underway with it's own lithium project, Bonnie Claire which will likely be the largest world-class resource of lithium-bearing clay stone in Nevada.