

# Unlocking large-scale US based lithium brine resources with modern technology

Standard Lithium Ltd. (TSXV: SLL | OTCQX: STLHF) is based in Vancouver, Canada. Standard Lithium is focused on unlocking the value of existing large-scale US based lithium brine resources that can be brought into production quickly. Robert Mintak, CEO & Director states: “We are looking to unlock value using modern technology. The Company has a simple but disciplined business model. Reduce and remove project execution risk by aligning with permitted operators on projects and leveraging existing permitted operator’s infrastructure to leapfrog the hurdles developers face. We have accomplished this on both projects we are developing.” The Company believes new lithium production can be brought on stream rapidly by minimizing project risks at selection.

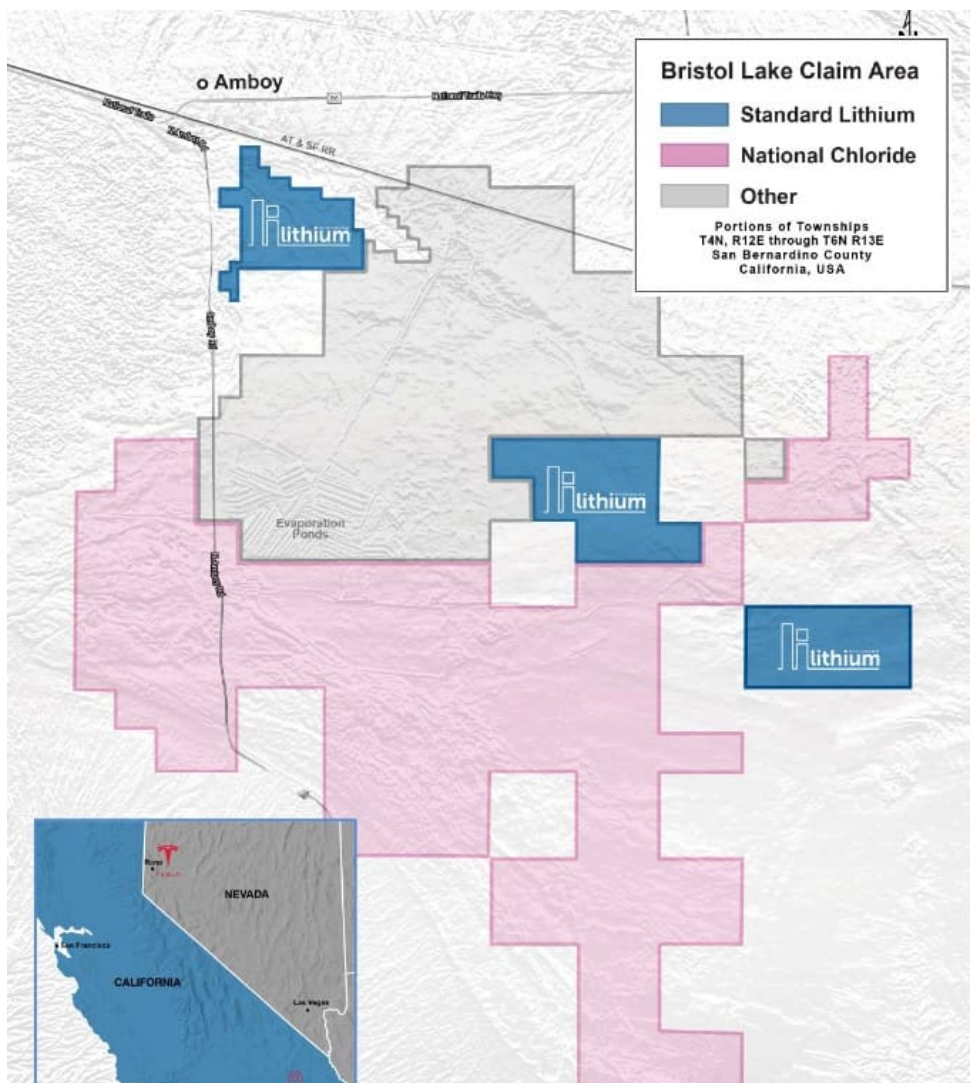


Bristol Lake brine operations

The Company is currently focused on the immediate exploration and development of the Bristol Dry Lake Lithium Project located in the Mojave region of San Bernardino County, California. The Company is also commencing due diligence and resource evaluation on 30,000+ acres of brine leases located in the Smackover Formation in southern Arkansas.

### **Bristol Dry Lake Lithium Brine Project**

At Bristol Dry Lake, Standard Lithium has already completed two phases of geophysical exploration studies; the first, a basin-wide gravity survey, was used to find the depth to bedrock, and the thickness of the basin sediments that host the lithium brines. The second was a CSAMT/MT survey that was used to look for highly conductive sub-surface regions that represent brine resources.



## Bristol Lake venture

Both phases of geophysical exploration have been highly encouraging. The gravity survey showed that the depth to bedrock was much greater than previously understood, and that a maximum depth of over 1,200 meter was present beneath Standard's claim area.

What this also means is that the basin sediments that host the lithium brines are much thicker than previously believed. Standard has conducted significant surface exploration in areas previously disturbed by brine harvesting activities and has demonstrated that lithium rich brines (typically 130-140 mg/L lithium) are present at depths of between 5-20 ft (1.5 to 6 m) below the playa surface.

The data gathered from the drilling program will be used to develop the maiden Inferred Resource Estimate for the project, produced in accordance with 43-101 guidelines. This is scheduled for completion in the late Q2 of 2018.

The location has significant infrastructure in place, with easy road and rail access, abundant electricity and water sources, and is already permitted for extensive brine extraction and processing activities. Two active, permitted, brine processing companies have operated for decades producing industrial minerals from brines on Bristol Dry Lake. Agreements signed with both permitted operators provide immediate access to raw brine, evaporation ponds, decades of operational expertise & existing mining permits.

Standard Lithium has a market cap of C\$ 93.5m.

There is one thing most people can agree on, the electric vehicle (EV) revolution is happening faster than anyone expected. With surging demand from the battery markets, lithium producers have realized price increases ranging from US\$4,500/tonne in 2014, to US\$16,400/tonne in 2018.

Standard Lithium is emerging at a time when momentum is building, and is expected to keep building in the EV industry. Investors should consider getting on-board Standard Lithium now before the imminent maiden resource is announced.