

Executive Summary

Boardwalk project Development Agreement (DA) signed with Leading Energy Services and Technology Supplier

- ❖ DA to advance Boardwalk to commercial production
- ❖ Feasibility to be completed in 2026

The largest lithium brine resources in North America and highest-grade lithium project in Alberta

- ❖ Pro-development permitting regime
- ❖ No carbon sequestration (pore space) overlap

Abundant infrastructure

- ❖ Wells, pipelines, roads, power, water

Modular approach with 5,000 tpa LCE units

- ❖ Reduces CAPEX
- ❖ Compelling capital intensity

DLE technology proven at demonstration scale

- ❖ Boardwalk to use process established at commercial operations

Boardwalk Project and Leduc Reservoir

Project Metrics

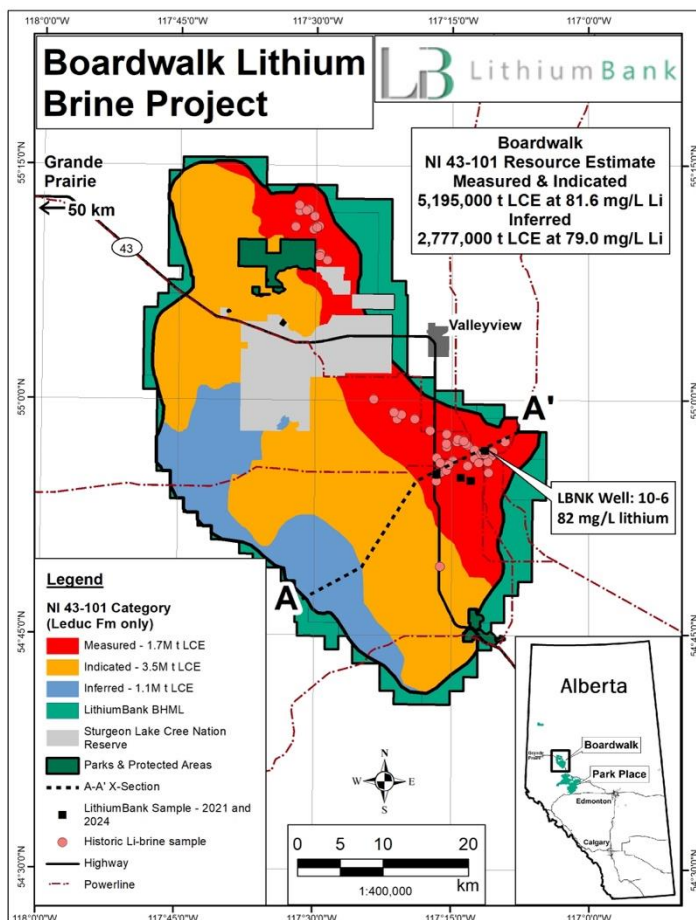
- ❖ Highest Grade M&I Lithium Resource in Alberta
- ❖ 5.2 Mt LCE M&I @ 81.6 mg/L Li & 2.8 Mt LCE Inferred @ 79.0 mg/L Li
- ❖ PEA (2024) Planned Production rate of 34,005 tpa for over 20 yrs
- ❖ Pre-Tax NPV₈ US\$3.7 Billion and EBITDA US\$715 Million

Leduc Geology

- ❖ >400 wells in Leduc
- ❖ Over 230 m thick in project area
- ❖ Consistent deliverability, brine chemistry and lithium grades

Large Land Package And Simple Tenure

- ❖ 395,308 contiguous acres of mineral licenses
- ❖ 100% crown = no freehold royalties
- ❖ No carbon sequestration or active O&G production = no competition for pore space



* APEA is preliminary in nature as it includes a portion of inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the preliminary economic assessment will be realized.

* Mineral resources that are not mineral reserves do not have demonstrated economic viability.

* The mineral resource NI 43-101 Technical Report for the Boardwalk Project, with effective date Dec. 20, 2022, identified 395,000 t LCE Indicated and 5.73 Mt LCE Inferred and the NI 43-101 Preliminary Economic Assessment, Technical report, with effective date January 16, 2024, are available on LithiumBank's website (www.lithiumbank.ca/investors/documents) and SEDAR+ (sedarplus.ca)

Boardwalk Development Agreement

Strategic Partnership

- ❖ Signed DA Dec 2025 with Leading Energy Services and Technology Supplier (LESTs)
- ❖ Will develop Boardwalk to Commercial Production
- ❖ Includes attractive DLE royalty-based licensing terms

Development Plan

- ❖ Initial phase: 2 DLE modules targeting 10,000 tpa LCE
- ❖ Modular: Scalable with 5,000 tpa LCE Units
- ❖ Improves capex efficiency

Technical Progress

- ❖ Completed subsurface modeling + extensive DLE testing
- ❖ Demonstrated ability to produce battery-grade LCE
- ❖ Project will use commercially ready technology

Why LESTs

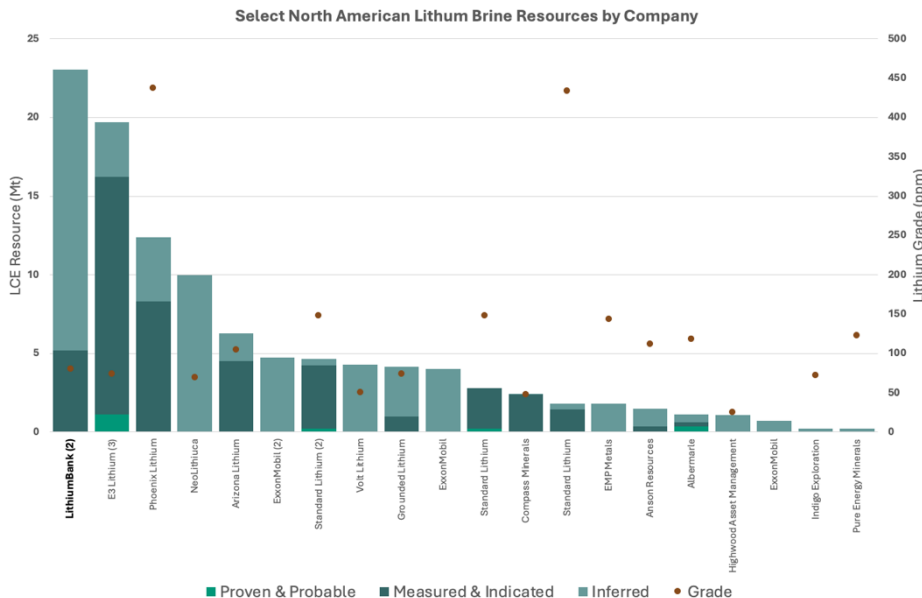
- ❖ 100+ years global engineering expertise
- ❖ Leader in industrial + AI-enabled process tech.
- ❖ End-to-end DLE solution: low water/energy use and fewer reagents

Park Place Project

Project Metrics

- ❖ 80.0 mg/L in the Leduc Fm and 79.4 mg/L in the Swan Hills Fm
- ❖ 15.1 Mt LCE Inferred @ 80.0 mg/L Li
- ❖ Reservoir >350 m thick in potential production
- ❖ 538,359 contiguous acres of mineral licenses
- ❖ 100% crown – no freehold royalties
- ❖ No carbon sequestration (pore space) overlap

Corporate Snapshot



Share Price	\$0.50
Shares I/O	64.3 MM
Warrants & Options	16.3 MM
Insider Ownership	~35%
Market Cap	CAD\$32 MM
Debt	None

LB Lithium Bank