



ONE WORLD  
**LITHIUM**

# **SALAR DEL DIABLO**

A Compelling Lithium-in-Brine Opportunity, Mexico

January 2018

One World Lithium Inc. (OWL) is a lithium exploration company that is a compelling investment opportunity with its Salar del Diablo lithium property:

- The Salar del Diablo is a 75,000 hectare lithium property (290 square miles) with the potential for significant production;
- Surface samples taken from the Property over 70 miles have assayed significant lithium grades with the average grade higher than either Silver Peak Mine (Clayton Valley) or Salar de Atacama;
- Previous geophysics confirms an aquifer containing brines at a shallow depths and open ended in all directions including depth;
- OWL to drill test priority targets during March 2018 and to complete a pre feasibility study by July 2018;
- The Company has an option to acquire 90% of the property;
- John Hiner, geologist, staked the Salar del Diablo and is the operator of the exploration programs. He has participated in 8 discoveries of which 5 are in production and has been successfully exploring for lithium prospects since 2009;
- OWL also has an option to purchase a 100% property interest in the Mogollon, a high-grade silver and gold development property with the potential to produce over 100 million ounces silver and one million ounces gold; and
- OWL may inter list on the OTC QX board and the Frankfurt Exchange

# Salar del Diablo LOCATION



**Salar del  
Diablo**

# Salar del Diablo LAND POSITION



**75,410 hectares**  
**291 sq. miles**

# Salar del Diablo SUMMARY

- Strategically located in Baja California
- Large closed basin within a 75,410 hectare salar
- Strong similarities to Salar de Atacama which produces 30% of world supply from 27% of world reserves
- No environmental or permitting impediments for development and production
- Mining friendly jurisdiction
- Exploration program to include 500 surface samples starting in late January 2018, a Time Domain EM geophysical survey in February 2018 before drill testing priority target in March 2018 with a 13,000 ft. (4,000 meters) 15 hole reverse circulation program

The five geological conditions that are a MUST for the presence of lithium in brine are all present at the Salar del Diablo:

1. a closed basin;
2. presence of hot springs;
3. lithium source from rhyolitic tuffs;
4. active faults to allow transport of lithium to the salar as well as to form traps to concentrate lithium in brine; and
5. within a region of high heat flow.

# Salar del Diablo

## LOCATION, LOGISTICS & CLIMATE

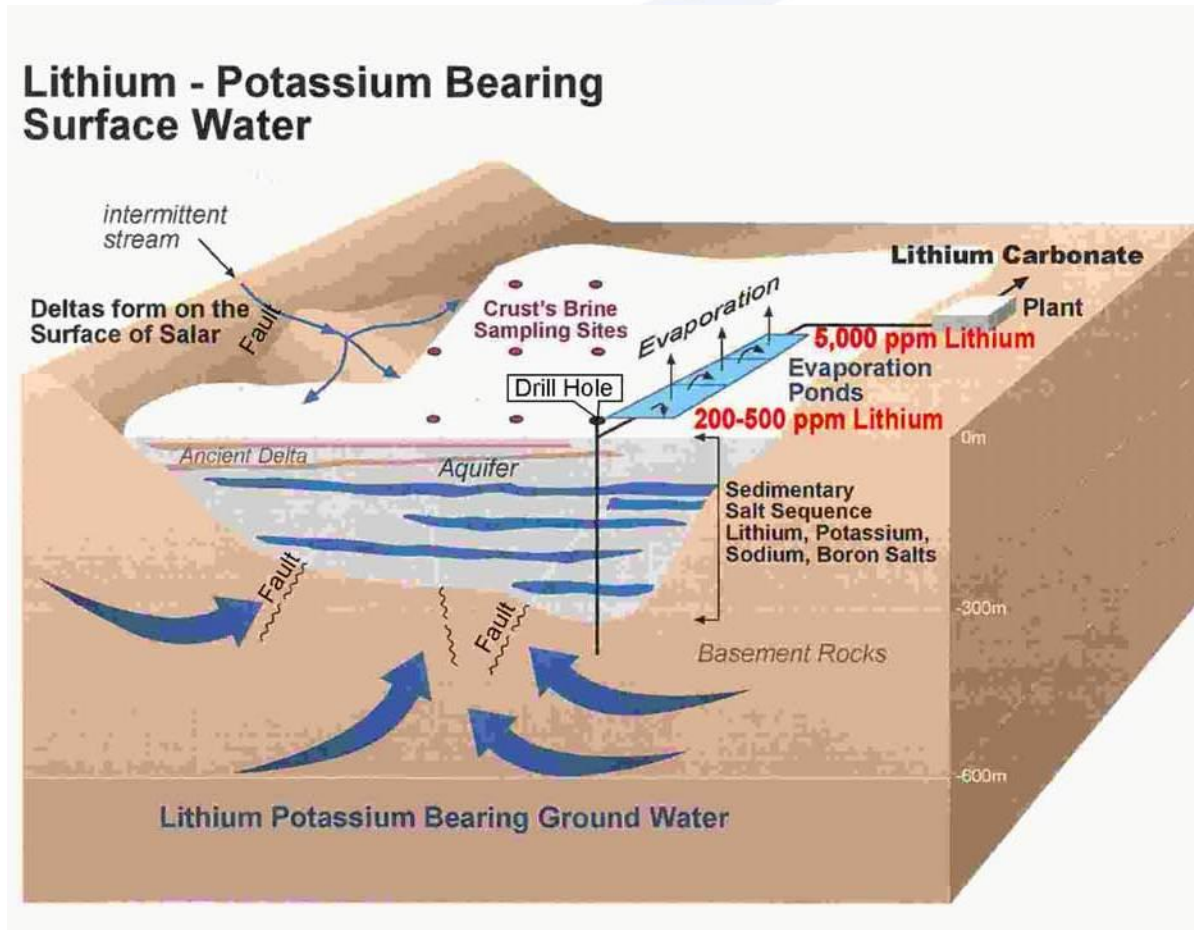
- Eastern Baja California Norte – 80 miles (128km) south of U.S. border
- Access to the U.S. via paved highways and 25 miles from a sea port to reach world markets including Asia
- a regional power line crossing the property
- Support facilities available in San Felipe, 35 km east, with existing infrastructure to support exploration, development and production;
- Annual rainfall is less than two inches in a hot and arid climate

# Salar del Diablo GEOCHEMISTRY

- Reconnaissance sampling has confirmed the presence of lithium and potassium in every sample taken over 70 miles
- Lithium and potassium found in salar evaporites in northern Salar del Diablo with samples assayed from 30 parts per million (ppm) up to 188 ppm Lithium & 1.97% Potassium
- Anomalous lithium and potassium detected in rhyolite tuffs in southern part of Salar del Diablo with samples assayed from 15 ppm up to 82 ppm Lithium and Potassium at 1.97%
- Surface samples were taken from surface salts and sediments and not from lithium in brine. These samples have a higher average grade (74 ppm) than the surface samples from the Silver Peak Mine, Clayton Valley which have an average grade of 61 ppm. Also, the surface samples grade higher than samples from Salar de Atacama.



# Lithium Salar Cross Section





# Rock and Sediment Analysis

| GPS Mark | WEI-21      | ME-MS41L  | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L |      |
|----------|-------------|-----------|----------|----------|----------|----------|------|
|          | SAMPLE      | Recvd Wt. | In       | K        | La       | Li       | Mg   |
|          | DESCRIPTION | kg        | ppm      | %        | ppm      | ppm      | %    |
| 203      | 1029153     | 0.66      | 0.014    | 0.44     | 3.86     | 24.1     | 4.15 |
| 204      | 1029154     | 1.07      | 0.017    | 0.81     | 6.2      | 35.2     | 2.32 |
| 205      | 1029155     | 1.51      | 0.017    | 0.81     | 8.35     | 28.4     | 1.24 |
| 206      | 1029156     | 2.58      | 0.035    | 1.37     | 10.05    | 82.0     | 2.02 |
| 207      | 1029157     | 3.52      | 0.024    | 0.81     | 7.28     | 35.1     | 0.96 |
| 207      | 1029158     | 4.84      | 0.025    | 0.7      | 8.68     | 31.1     | 0.84 |
| 210      | 1029160     | 1.77      | 0.036    | 0.08     | 46.4     | 5.0      | 0.25 |
| 211      | 1029161     | 2.03      | 0.012    | 0.32     | 8.98     | 15.2     | 0.53 |
| 213      | 1029162     | 2.59      | <0.005   | 0.07     | 3.38     | 4.7      | 0.37 |
| 213      | 1029163     | 1.61      | 0.021    | 0.42     | 10.4     | 19.4     | 0.8  |
| 214      | 1029164     | 1.69      | 0.035    | 1        | 16.9     | 53.3     | 1.11 |
| 215      | 1029165     | 2.14      | 0.051    | 1.31     | 24       | 66.8     | 1.4  |
| 216      | 1029166     | 1.62      | 0.023    | 0.66     | 12.65    | 69.2     | 0.8  |
| 217      | 1029167     | 2.27      | 0.015    | 0.52     | 10.5     | 33.9     | 0.54 |
| 218      | 1029168     | 2.1       | 0.049    | 1.58     | 19.85    | 132.5    | 1.64 |
| 219      | 1029169     | 2.71      | 0.052    | 1.57     | 22.6     | 103.5    | 1.7  |
| 220      | 1029170     | 2.01      | 0.046    | 1.41     | 22.9     | 91.2     | 1.49 |
| 220      | 1029171     | 0.75      | 0.028    | 1        | 17.7     | 66.3     | 1.09 |
| 221      | 1029172     | 2.36      | 0.044    | 1.4      | 21.5     | 92.0     | 1.47 |
| 222      | 1029173     | 2.14      | 0.051    | 1.45     | 24.4     | 95.8     | 1.56 |
| 223      | 1029174     | 1.61      | 0.043    | 1.43     | 19.9     | 90.9     | 1.59 |
| 224      | 1029175     | 2.43      | 0.057    | 1.97     | 23.2     | 188.5    | 2.26 |
| 225      | 1029176     | 2.04      | 0.042    | 1.41     | 20.7     | 159.5    | 2.38 |
| 225      | 1029177     | 0.78      | 0.029    | 0.92     | 12.65    | 84.3     | 1.36 |
| 226      | 1029178     | 3.33      | 0.018    | 0.4      | 9.44     | 50.8     | 0.64 |
| 227      | 1029179     | 0.53      | 0.019    | 0.52     | 11.7     | 30.8     | 0.64 |
| 228      | 1029180     | 0.98      | 0.013    | 0.27     | 8.51     | 21.8     | 0.34 |

# SIZE COMPARISON: Salar del Diablo to Salar de Atacama

**Salar del Diablo**

**Dimensions**

Average 15-21km E-W

110km N-S

21km

110km

15km

**Salar de Atacama**

**Dimensions**

37km E-W

79km N-S

37km

79km N-S

# Salar del Diablo WHY BRINES?

- Low operating costs – significant cost advantage over clay or hard rock lithium production
- Brine opex - \$2,200 / ton (t) lithium carbonate (LCE)
- Clay opex - \$4,500 / t LCE
- Hard rock (spodumene or pegmatite) - \$3,500/t LCE
- Low capex cost for a pilot plant estimated less than \$ 7,000,000
- New brine technologies improve recovery, production time, product quality
- Environmentally superior to hard rock mining with low carbon footprint



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