

Alderan commences first-pass drilling at Black Rock, Utah

HIGHLIGHTS

- Alderan commences 1000m drill program at Black Rock to follow up geological mapping and rock chip sampling.
- Previous results highlighted Black Rock's potential to host copper-gold polymetallic mineralisation, including rock chip assays which returned up to 4.6 g/t gold, 10.15% copper, 125 ppm molybdenum, 522 ppm cobalt, and 4.3 ppm tellurium associated with magnetite and hematite.
- Alderan's drilling objective is to test the potential for thickening of the magnetite associated skarn mineralisation, as interpreted from 3d inversion of the aeromagnetic data.
- Alderan expects the program to be completed within 2 weeks.
- Alderan plans to drill the Detroit and White Mountain gold projects this quarter.

Alderan Resources Limited (ASX: AL8) (**Alderan** or the **Company**) is pleased to announce it has commenced drilling on its Black Rock Cu/Au target located near Milford, Utah USA. The Black Rock target is part of the **Valley-Crossroads Project**, where the Company is earning up to 70% interest through an agreement with Tamra Mining Company LLC.

The proposed first pass 1000m drill program follows up previous geological mapping and rock chip sampling in the Black Rock target area (refer Figure 1). Drilling of the first hole (VC21B—001) commenced on 8 January 2021 and the drill program, consisting of 3 holes, is expected to be complete by 18 January 2021.

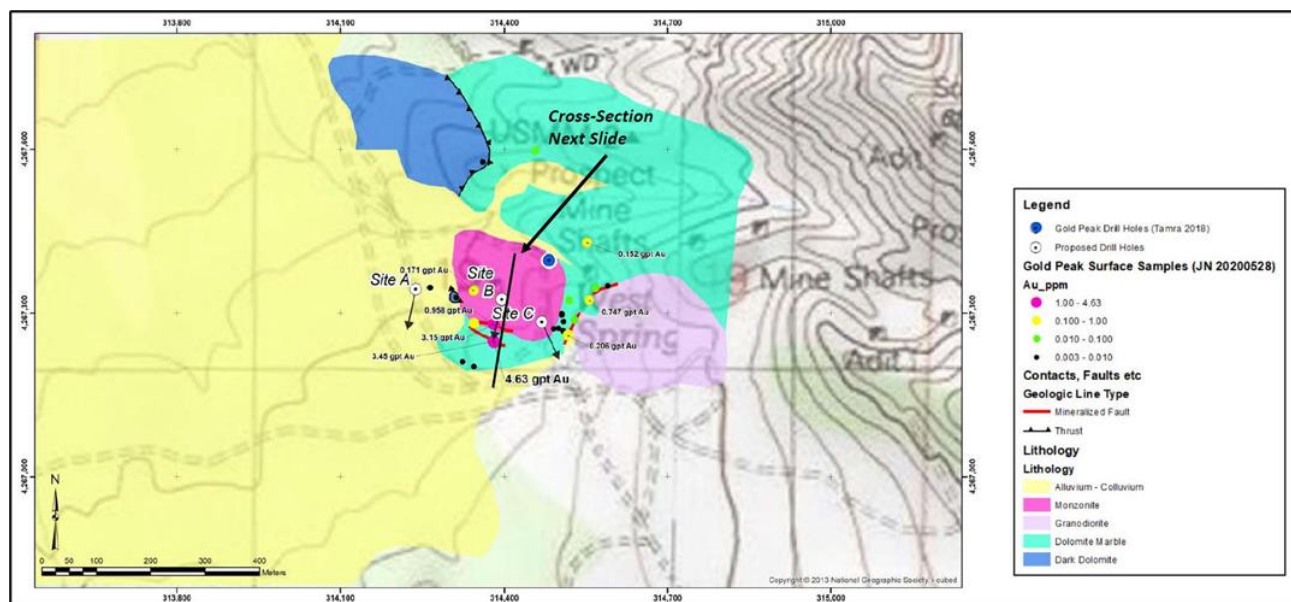


Figure 1: Geological Map of Alderan's Black Rock target in Utah, USA (Refer ASX announcement dated 6 October 2020).

Alderan completed surface sampling and geological mapping to confirm prospective historical exploration results¹. Sample assays returned up to 4.6 g/t Au, 10% Cu, 125 ppm Mo, 522 ppm Co, and 4.3 ppm Te. The results are anomalous with respect to background:

- Copper (max 10.15%, range 4-101,500 ppm);
- Gold (max 4.63 g/t Au, range 0.003-4.63 ppm);
- Silver (max 79.2 ppm, range 0.0-79.2 ppm);
- Tellurium (max 4.28 ppm, range 0.03-4,28 ppm);
- Molybdenum (max 125 ppm, range 1-125 ppm);
- Cobalt (max 522 ppm, range 0.6-522 ppm);
- Bismuth (max 172 ppm, range 0-172 ppm); and
- Mercury (max 1.48 ppm, 0.01-1.48 ppm).

These results were generated from samples over a strike length of 400m and a width of 200m that is open in all directions. The anomalous mineralisation lies proximal to the contact of two intrusions with limestone. Calc-silicate skarn with magnetite and hematite is developed along these intrusive contacts and is overprinted by hydrothermal dolomite-calcite-quartz that hosts copper-gold-silver values in the form of oxidized chalcopyrite-bornite-pyrite. Specular hematite is common.

Geophysical modelling suggests there is potential for the magnetite body to thicken at depth (refer Figure 2).

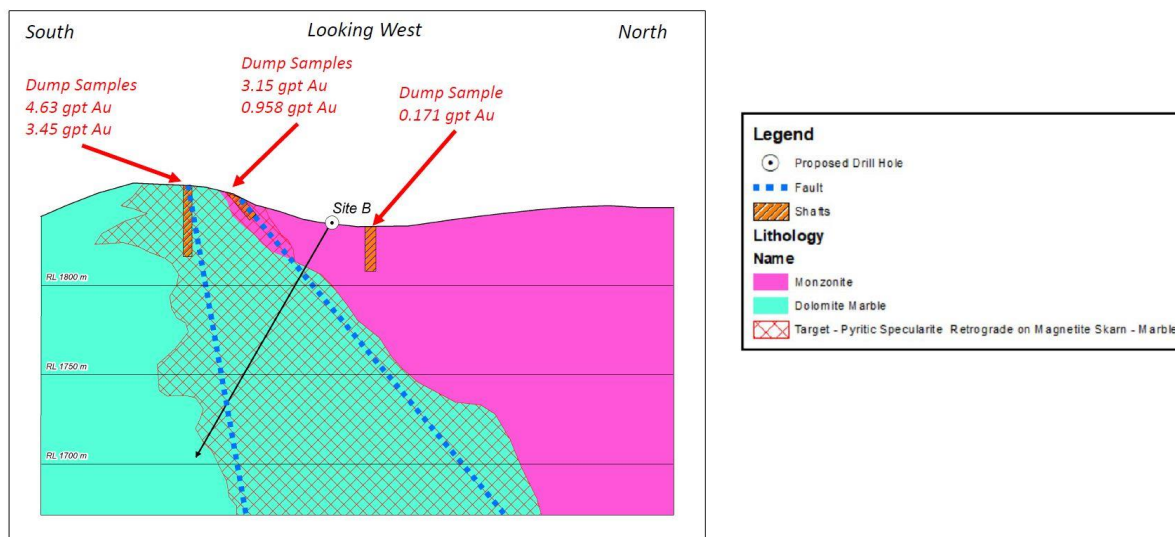


Figure 2: Alderan has completed geological modelling for the Black Rock target which suggests potential Cu-Au mineralisation (Refer ASX announcement dated 6 October 2020).

¹ Refer ASX announcement dated 6 October 2020.



Figure 3: Drilling operations commence at Black Rock.

Alderan Managing Director Peter Williams said the Company was excited to commence its maiden drill program at Black Rock to kick off its 2021 exploration program.

“Our initial surface work at Black Rock has demonstrated the target’s potential to host copper-gold mineralisation. The interpretation of the depth potential, and in particular the thickening of the magnetic body with depth is compelling and we are looking forward to seeing what our initial drill program will deliver. Our initial results will give us a better understanding of the target and help us plan more focused drilling over the coming months,” he said.

Alderan expects the drill program to be complete on 18 January 2021. Alderan also expects assay results from the drilling at the Detroit Project within two weeks and is also planning follow-up drilling at Detroit as well as a maiden program at the White Mountain epithermal gold project for completion during the March 2021 quarter.

ENDS

This announcement was authorised for release by the Board of Alderan Resources Limited

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Competent Persons Statement

In relation to previous announcements containing exploration results which have been referenced in this announcement, the Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.