

Abacus Mining & Exploration Corp. Outlines New Gold Targets at Jersey Valley

13.07.2020 | [GlobeNewswire](#)

VANCOUVER, July 13, 2020 - [Abacus Mining & Exploration Corp.](#) (NYSE: Abacus; or the Company) (TSXV: AME) is pleased to announce an expansion of the property position at its Jersey Valley gold property, within the Battle Mountain trend of north-central Nevada.

Based on recently reprocessed and reinterpreted geophysics (see *News Release dated July 8, 2020*) the Company has approximately doubled the property size by staking an additional 30 claims. The reprocessing exercise clearly showed that the two main IP targets were close to the claim boundaries or off the original claim group. The new claims now cover the southwest and western strike and down dip extensions of all known targets at Jersey Valley.

"The acquisition and reprocessing of historic geophysics at Jersey Valley has clearly upgraded and defined the gold-silver targets," commented Paul G. Anderson, President of Abacus. "The new claims will allow the Company to potentially expand these targets, the largest of which is approximately 600 metres long by 500 metres wide."

Jersey Valley is underlain by an uplifted range of sediments and intrusives to the east and an extensive basin covered by gravels to the west, separated by a prominent, brecciated range front fault. A distinctive sinter associated with hot springs activity is exposed out in the valley gravels. The previous operator completed a large-scale ground magnetic survey in the early 2000's which extended well beyond the current property and then initiated a limited four-line northwest oriented IP survey over the valley gravels.

The reprocessed IP data very clearly shows two flat-lying anomalies marked by moderate to high chargeability and low resistivity. Both targets are open to the northeast on the original claim group, and to the southwest and west on the newly staked claims.

Three historic diamond drill holes appear to have just grazed these two anomalies but were not optimally oriented. All three holes had >1% pyrite, occasional realgar and stibnite, and numerous additional gold-silver intercepts associated with elevated levels of arsenic, antimony and mercury. The best results were:

- Drill hole 06JC014C intersected 1.18 g/t silver over 13.1 m near the top and then 0.19 g/t gold over 13.4 m near the end of the hole.
- Drill hole 06JC015C assayed 0.18 g/t gold and 3.6 g/t silver over 6.09 m part way through the hole and then 1.58 g/t gold over 1.52 m near the end of the hole.
- Drill hole 06JC017C, which hit narrow zones of anomalous gold and silver throughout, including 0.18 g/t gold over 29.87 m. at the end of the hole.
- Note that all intercepts are down hole lengths as insufficient drilling was done to determine true widths.
- Note further that these results are historic in nature and although the author was not involved in the original work, proper industry standard sampling and data verification procedures appear to have been followed

The Company believes that the reprocessing has highlighted the fact that the best portions of the IP targets are essentially untested, although past drilling clearly indicates that they contain gold and silver, along with a suite of other elements typical of these precious metal bearing systems. The reprocessing also identified several high angle chargeability anomalies that may be feeders to the extensive flat lying anomalies, along with structures parallel to and at high angles to the range front fault. Of note is the fact that structures appear to bracket both resistivity anomalies, possibly indicating sub-basins within the larger basin.

Past drilling was neither extensive enough, deep enough nor optimally placed to adequately test the system. Next steps are further IP geophysics to expand the existing survey, followed by drill testing of these targets. The Company website has been updated to show the IP anomalies on the original claim group.

As demonstrated by past operators, the Jersey Valley property is prospective for both intrusion- related sediment hosted, and epithermal precious metal mineralization. The property is located within north-central Nevada within the Battle Mountain trend, in close proximity to both the Phoenix/Fortitude mine complex (approximately 14 Moz gold plus significant Ag and Cu past production and a proposed mine life to 2063) and the Cove/McCoy Mine: 3.4 Moz gold and 110 Moz Ag past production. (Past production data is from the Newmont Mines and Premier Gold Mines websites. (The reader is cautioned that the mineralization hosted on nearby properties is not necessarily indicative of mineralization hosted on the Company's Jersey Valley gold property). The Jersey Valley property has a well-maintained sealed road running through it, which provides access to a 15 MW geothermal power plant located on the edge of the claim group.

The Company also has two additional properties of merit. The Willow and adjacent Nev-Lorraine copper-molybdenum properties are in the Yerington copper camp, southeast of Reno, Nevada. Drilling by the Company in 2018 intersected a key intrusive rock unit on Willow that hosts all known porphyry Cu-Mo deposits at Yerington. This rock unit was not previously known to exist on the Company's property, and it represents a significant new discovery. The target is large and robust, and it remains essentially untested.

The Company also continues to advance its Ajax copper-gold project, located near Kamloops, British Columbia. Abacus holds a 20% ownership interest in the project, which is managed by base metal major KGHM Polska Miedź S.A., who hold the remaining 80%. The Ajax Project contains significant quantities of copper and gold, within a NI 43-101 Proven and Probable Mineral Reserve of 426 Mt at 0.29% Cu, 0.19 g/t Au and 0.39 g/t Ag. Contained metal is in the order of 2.7 Bil lbs Cu, 2.6 Moz Au and 5.3 Moz Ag*. KGHM have begun the process of re-engaging the project stakeholders geared toward potentially resubmitting the environmental application for the project.

The technical information in this news release has been reviewed and approved by Paul G. Anderson, M.Sc., P.Geo., a Qualified Person within the meaning of National Instrument 43-101.

* Wardrop Engineering Inc. 2012. Ajax Copper/Gold Project, Kamloops, British Columbia – Feasibility Study Technical Report. Doc. No. 1054610300-REP-R0004-02. January 2012.

On Behalf of the Board,
[Abacus Mining & Exploration Corp.](#)

Paul G. Anderson
President and COO

About Abacus

Abacus is a mineral exploration and mine development company currently focused on its optioned Willow copper-gold property located near Yerington, Nevada in which it can acquire up to a 75% ownership interest, and the contiguous Nev-Lorraine claims subject to a ten-year lease agreement. Abacus also holds a 15 year lease on the Jersey Valley gold property, near Battle Mt., Nevada. The Company's main asset is a 20% ownership interest, together with KGHM Polska Miedz S.A. (80%), in the proposed copper-gold Ajax Mine located southwest of Kamloops, B.C., which has recently undergone a joint provincial and federal environmental assessment process. On December 14, 2017, a decision was made by the B.C. Minister of Environment and Climate Change Strategy and the Minister of Energy, Mines and Petroleum resources to decline to issue an environmental assessment certificate for the Project. For the latest reports and information on Abacus's projects, please refer to the Company's website at www.amemining.com.

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<https://www.rohstoff-welt.de/news/355991--Abacus-Mining-und-Exploration-Corp.-Outlines-New-Gold-Targets-at-Jersey-Valley.html>

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