



High-resolution Till-sampling Results in Refined Drill Targets for 2018 at Committee Bay

Vancouver, British Columbia – June 14, 2018 – Auryn Resources Inc. (TSX: AUG, NYSE American: AUG) (“Auryn” or the “Company”) is pleased to announce that high-resolution till sampling has become an integral layer of data for six targets at Committee Bay, Nunavut. These targets include the already disclosed Aiviq sampling, which was drilled in 2017.

The gold assay results from the high-resolution (100 meter by 100 meter spacing) till surveys across nine regional targets (Figure 1) demonstrate greater precision for identifying the potential source areas of high-grade gold mineralization seen throughout the belt. The results of the surveys have delineated gold-in-till anomalies that are consistent with the size of potential deposit footprints and will form the basis of future drill campaigns at Committee Bay.

A Message from Auryn’s Executive Chair:

Executive Chairman and Director Ivan Bebek stated, “These results significantly improve our level of understanding of the 300km long Committee Bay gold project and better positions us for potential discovery. The tighter-spaced till sampling has demonstrated just how close we were to the potential sources of gold during the 2017 drill campaign.”

Mr. Bebek further stated, “We are looking forward to confirming our theory in our 2018 drill program, which we are currently planning.”

The Use of High-Resolution Tills to Redefine Targets:

Originally, the high-resolution tills were collected during the 2017 summer exploration program to be analyzed using portable X-Ray fluorescence technology. After receiving the results from the Aiviq discovery drill hole (12.2 meters at 4.7g/t Au), Auryn sent the high-resolution tills to ALS laboratories for ICP to analyze for gold. The gold results demonstrated that the high-grade discovery drill hole spatially overlapped with the gold results from the high-resolution tills. In addition, these results also redefined targets that had not been adequately drilled in 2017 (Figure 2).

Five of the nine regional targets have returned discrete new gold targets from the high-resolution tills. These include the Koffy, Kalulik, Aarluk, Kanosak, and Castle Rock target areas (Figures 3 – 7).

A Message from Auryn's Chief Geologist:

Michael Henrichsen, COO and Chief Geologist stated, "Auryn's technical team considers the high-resolution till data as a critical step in our exploration process to delineate source areas of gold mineralization under till cover. Ultimately, we feel the drill results from the 2017 summer campaign did not explain the strength of a number of the till anomalies associated with high-grade gold in boulders. We feel the new high-resolution gold-in-till results will lead us to the bedrock sources of mineralization."

Michael Henrichsen, P.Geo, COO of Auryn, is the Qualified Person who assumes responsibility for the technical disclosures in this press release.

ON BEHALF OF THE BOARD OF DIRECTORS OF AURYN RESOURCES INC.

Ivan Bebek

Executive Chairman

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About Auryn

Auryn Resources is a technically driven junior mining exploration company focused on delivering shareholder value through project acquisition and development. The Company's management team is highly experienced with an impressive track record of success and has assembled an extensive technical team as well as a premier gold exploration portfolio. Auryn is focused on scalable high-grade gold deposits in established mining jurisdictions, which include the Committee Bay and Gibson MacQuoid gold projects located in Nunavut, the Homestake Ridge gold project in British Columbia and a portfolio of gold projects in southern Peru, through Corisur Peru SAC.

Forward looking information and additional cautionary language

This release includes certain statements that may be deemed "forward-looking statements". Forward-looking information is information that includes implied future performance and/or forecast information including information relating to, or associated with the acquisition and title to mineral concessions. These statements involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements of the Company to be materially different (either positively or negatively) from any future results, performance or achievements expressed or implied by such forward-looking statements. Readers should refer to the risks discussed in the Company's Annual Information Form and MD&A for the year ended December 31, 2016 and subsequent continuous disclosure filings with the Canadian Securities Administrators available at www.sedar.com and the Company's registration statement on Form 40-F filed with the United States Securities and Exchange Commission and available at www.sec.gov.

2017 pXRF tills Au assay - Samples (250g) of unweathered till were collected from 20-30cm depth in frost boils at 100m sample spacing. Pebbles (>1cm) were removed in the field. Samples were not collected in areas of glaciofluvial or fluvial reworking. Collected samples were sent to ALS Laboratories in Vancouver BC for preparation and analysis. All samples are screened using 600µm screen and analyzed using 50g nominal weight trace level Au by aqua regia extraction and ICP-MS finish method (Au-TL44) on a -600µm fraction. QA/QC programs using internal standard samples, field and lab duplicates, re-assays, and blanks indicate good overall accuracy and precision.

Disclaimer

The Toronto Stock Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.

2018 Targets

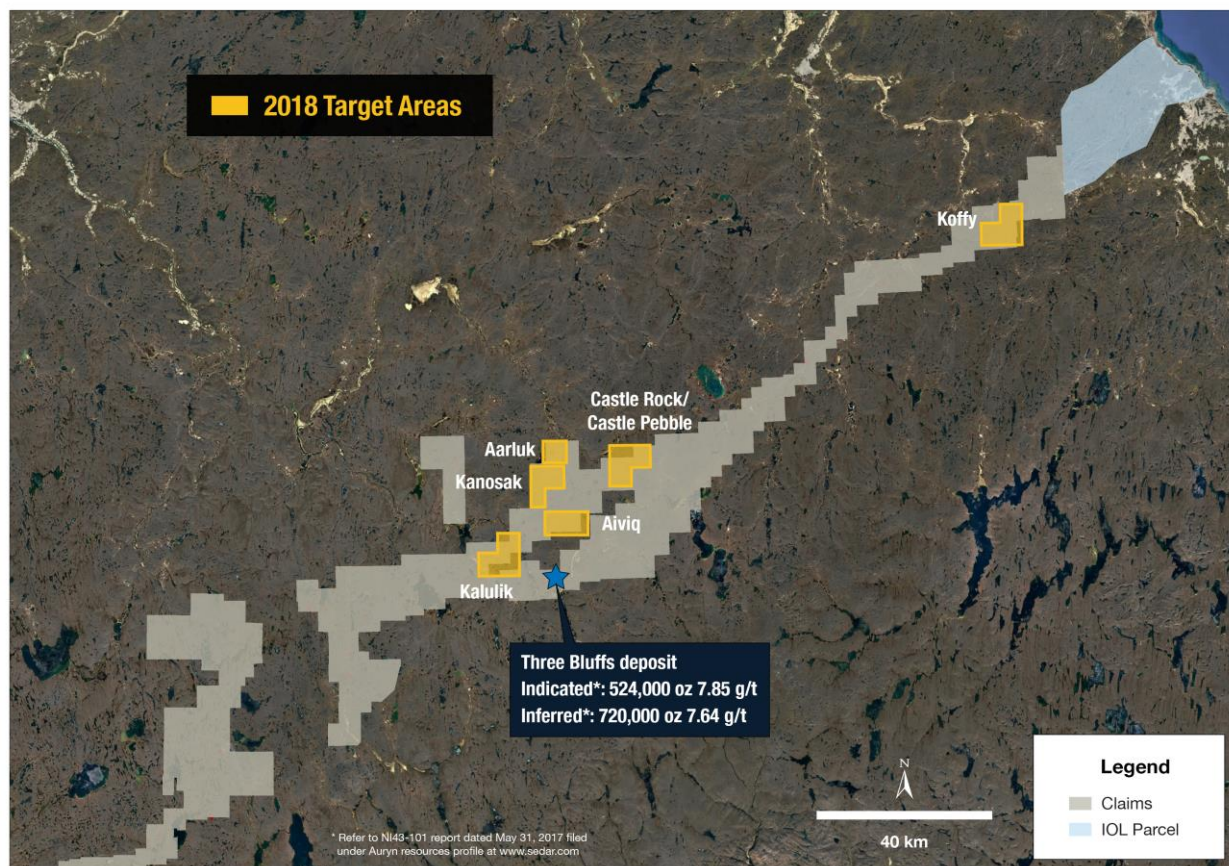


Figure 1: Illustrates the regional target areas that were analyzed for gold using high-resolution till samples.

Aiviq High Resolution Tills and Targets

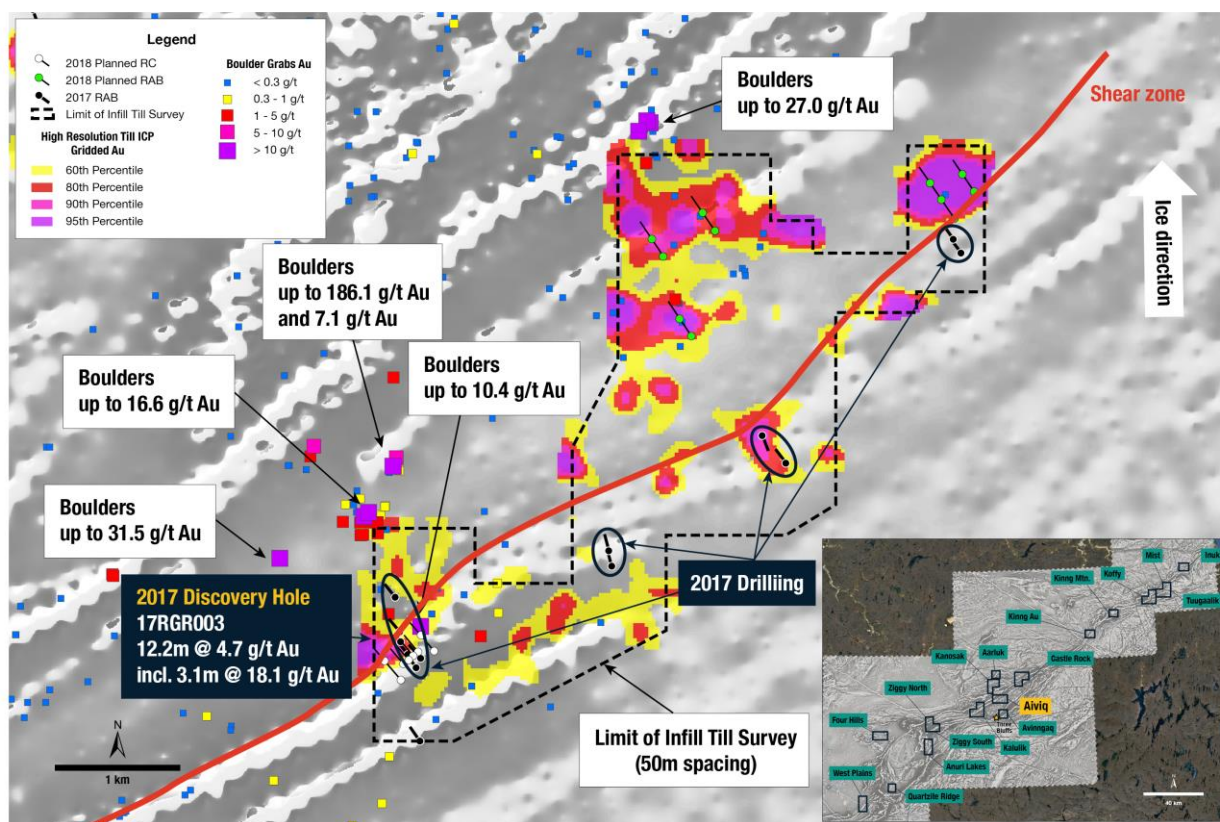


Figure 2: Illustrates the progression of targeting at the Aiviq prospect from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.

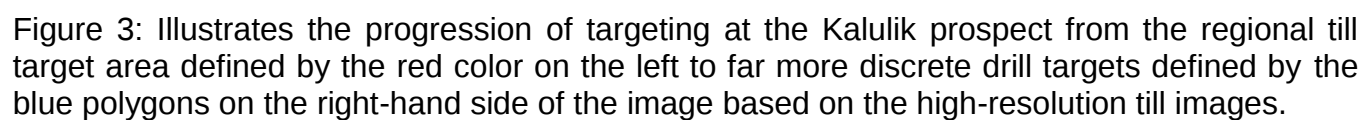


Figure 3: Illustrates the progression of targeting at the Kalulik prospect from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.

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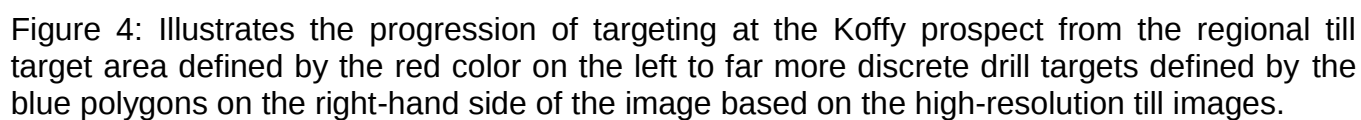


Figure 4: Illustrates the progression of targeting at the Koffy prospect from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.

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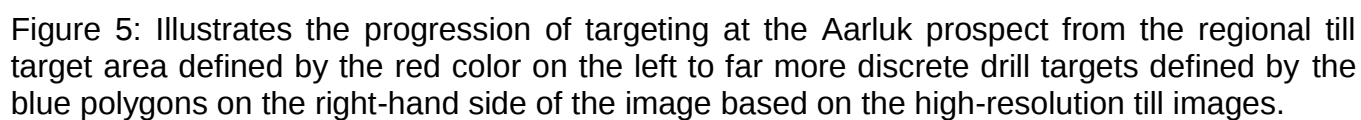


Figure 5: Illustrates the progression of targeting at the Aarluk prospect from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.

Kanosak High Resolution Tills and Targets

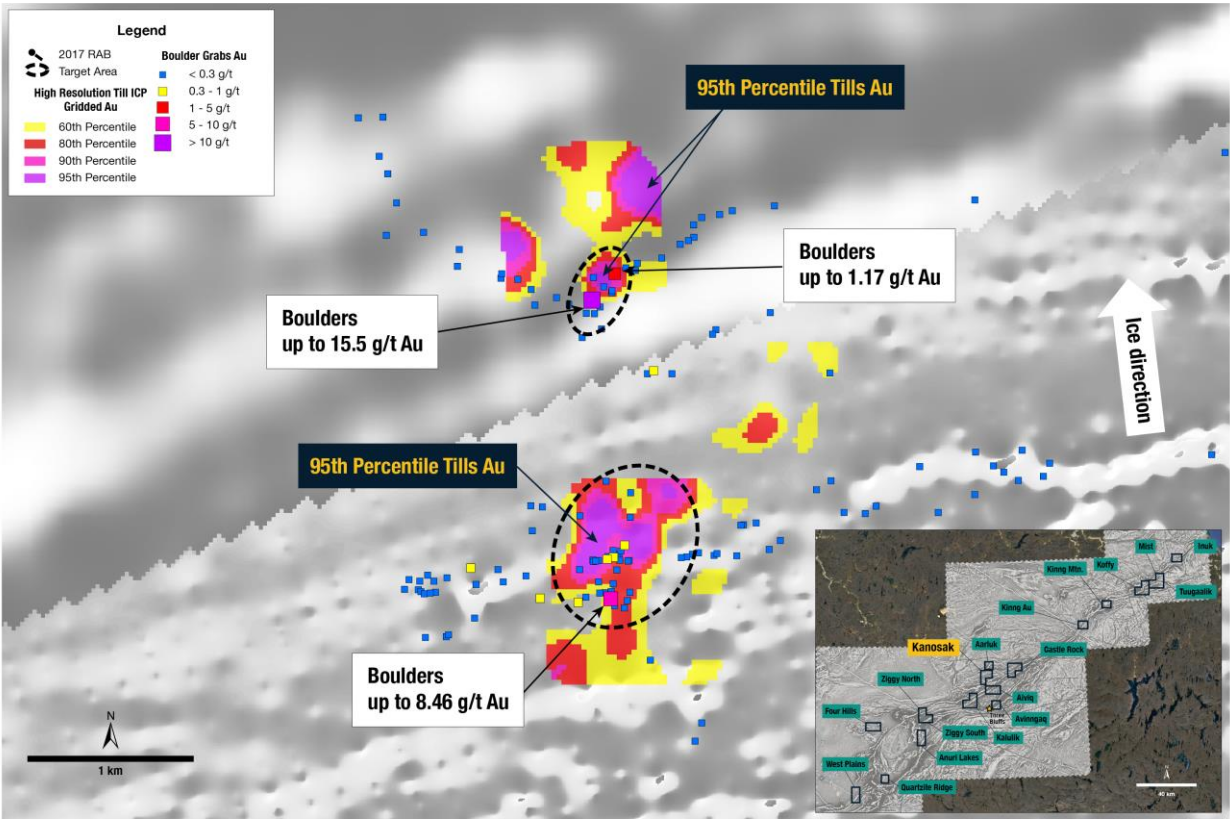


Figure 6: Illustrates the progression of targeting at the Kanosak prospect from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.

Castle Rock & Castle Pebble High Resolution Tills and Targets

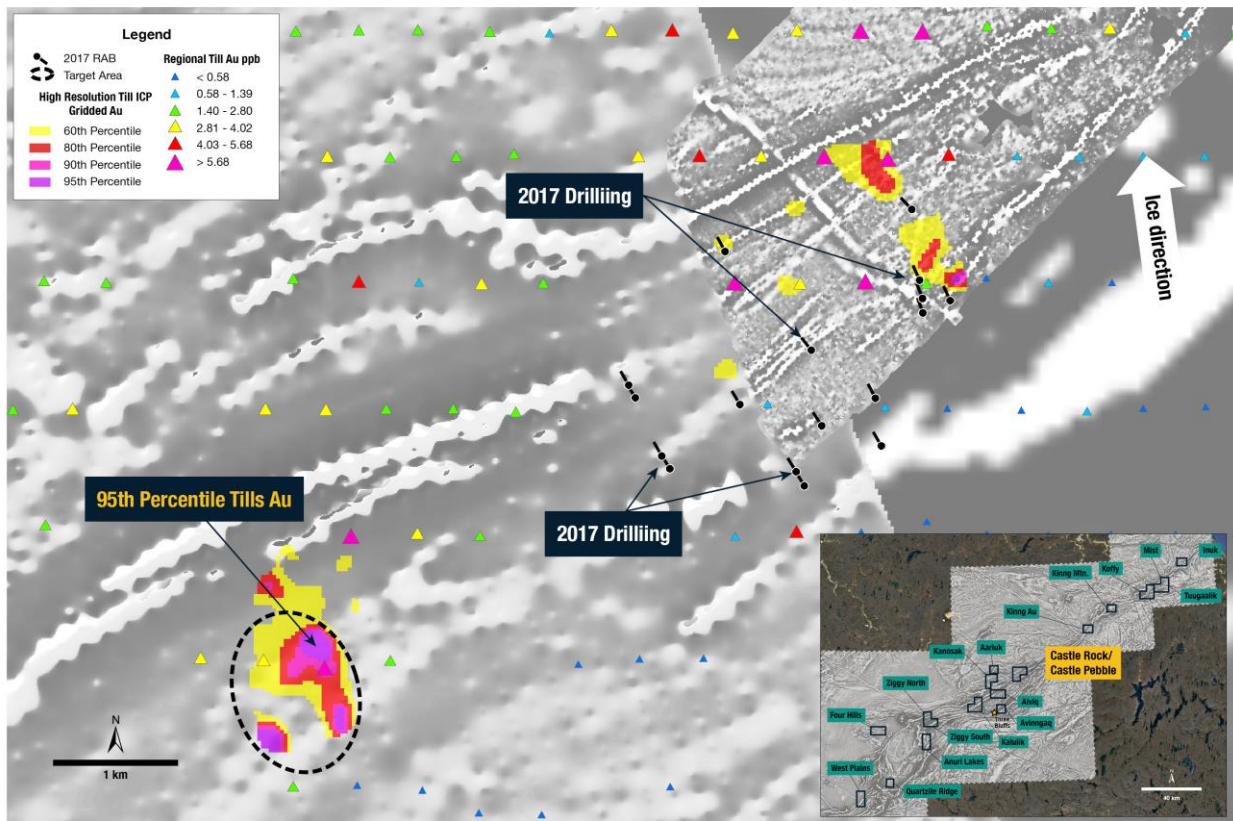


Figure 7: Illustrates the progression of targeting at the Castle Rock & Castle Pebble prospects from the regional till target area defined by the red color on the left to far more discrete drill targets defined by the blue polygons on the right-hand side of the image based on the high-resolution till images.