

# /R E P E A T -- Aurion Drills 789 g/t Au over 2.90 m at Aamurusko/

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TSX-V: AU

ST. JOHN'S, Sept. 19, 2018 /CNW/ - [Aurion Resources Ltd.](#) (TSX VENTURE:AU) ("Aurion" or the "Company") is pleased to announce that ongoing diamond drilling has intersected significant gold mineralization associated with a major east-west trending north-south shear zone immediately north of the main Aamurusko boulder field. Aurion believes this shear zone is likely the source of large and auriferous boulders within the main 1.1 km by 1.4 km Aamurusko boulder field.

A total of approximately 5,239 metres (m) in 35 drillholes have been completed since early July. Partial assays have been received for 17 drillholes to date. Four targets have been tested including Aamurusko Main, Aamurusko West, Aamurusko NW and Aamurusko NE.

Diamond drilling with two drills continues at Aamurusko. A summary of assay results received to date are presented in the table below. Maps, sections and photos can be found on Aurion's website by clicking the following link, <https://aurionresources.com/site/assets/files/1252/nr190918figures.pdf>.

## Aamurusko Main Target

Drilling has confirmed the presence of a gold bearing quartz vein system in bedrock occurring proximal to the sheared contact between clastic sediments of the Kumpu Group and a gabbro sill on the contact between the Kumpu Group and mafic and ultramafic volcanics of the Sodankyla Group.

Beginning at the eastern extent of the main boulder field, and moving westward, 11 drillholes on north to south fences spaced 50 m apart were completed to date.

Partial assays have been received from 5 of 11 drillholes to date. The best result so far has been in hole AM18042 where a 5.20 m wide fault fill vein with coarse visible gold was intersected. It assayed 789.06 g/t Au over 2.90 m from 116.10 to 119.00 m downhole. A 0.65 m interval assayed 3,510.00 g/t Au. Unfortunately, 1.1 m of core within this interval was lost in the fault/shear zone. This interval was assigned a value of zero.

AM18035 located 230 m east of AM01842 encountered multiple extensional vein zones including a 5.20 m wide zone assaying 12.45 g/t Au from 53.50 to 58.70 m downhole including 66.70 g/t Au over 0.50 m, and 54.3 g/t over 0.49 m. Further up the hole a 1.74 m wide quartz vein zone from 36.65 to 38.20 m assayed 8.74 g/t Au and from 26.30 to 28.04 m a 1.74 m wide quartz vein zone assayed 9.62 g/t Au.

## Aamurusko Drillhole Summary Table

HOLE_ID	FROM_m	TO_m	Width_m	Au_ppm (g/t)	Comments
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## Aamurusko Main Target

AM18032	151.65	151.97	0.32	1.83	
AM18033	68.50	70.50	2.00	1.45	
AM18034	49.76	50.66	0.90	0.85	
AM18035	26.3	28.04	1.74	9.62	
incl	26.3	26.94	0.64	23.30	
AND	36.65	38.20	1.55	8.74	
incl	37.18	37.7	0.52	24.80	
AND	53.50	58.70	5.20	12.45	
incl	53.50	54.05	0.55	7.46	
incl	54.50	55.00	0.50	66.70	
incl	57.65	58.14	0.49	54.30	
AM18036				Assays pending	
AM18037				Assays pending	
AM18038				Assays pending	
AM18042	116.10	119.00	2.90	789.06	Partial assays received
incl	116.10	116.75	0.65	3510.00	1.1 m of lost core from 116.75 to 117.85 m; assigned a value of 0
incl	117.85	119.00	1.15	5.89	
AM18051				Assays pending	
AM18052				Assays pending	
AM18053				Assays pending	

## Aamurusko West Target

RB18001			Assays pending
RB18002			Assays pending
RB18003			Assays pending
RB18004			Assays pending

## Aamurusko NW Target

AM18024	227.00	228.00	1.00	4.17
AM18025	136.00	137.00	1.00	0.51
AM18026				

181.90

182.50



25.00



AND	190.30	191.30	1.00	5.03
AM18027	153.00	154.00	1.00	2.05
and	173.00	191.00	18.00	0.43
AM18028	106.50	107.00	0.50	0.73
and	168.70	172.90	4.20	1.19
incl	171.93	172.90	0.97	2.84
AM18029	152.00	153.00	1.00	2.45
and	175.00	176.50	1.50	1.86
AM18030	92.00	93.00	1.00	1.07
AM18031	102.13	102.44	0.31	1.57

#### A2 Target

AM18038	Assays pending		
AM18039	Assays pending		
AM18040	42.40	42.75	0.35
AM18041	38.45	38.90	0.45
AM18043	31.40	31.78	0.38
AM18044	Assays pending		
AM18045	Assays pending		
AM18046	Assays pending		
AM18047	37.45	37.83	0.38
		4.53	Partial assays received

All widths are core widths and may not represent true widths. Assay values are uncut.

AM18048 Assays pending

~~AM18049~~ encountered in drilling are ~~Assays pending~~ mineralized with trace to a few percent iron oxides (after sulphides), pyrite, arsenopyrite, pyrrhotite, chalcopyrite, galena, sphalerite and/or locally visible gold. The ~~AM18050~~ also accompanied by variable ~~Assays pending~~ intensity of fuchsite, sericite, potassium feldspar and iron carbonate alteration.

#### Aamurusko West (RBMV)

Four drillholes on two fences, approximately 30 m apart, were completed at a new discovery approximately 1.9 km west of the eastern extent of the main Aamurusko boulder field. Mechanical trenching of a cluster of auriferous boulders discovered in 2017 exposed multiple quartz veins up to 1.5 m wide accompanied by strong iron carbonate alteration. This east-west trending, steeply north dipping quartz vein zone was traced in trenching for approximately 40 m before going under cover. Assays are pending from the channel sampling and drilling. The mineralization is located at the sheared contact between polymictic conglomerate, quartzite and mafic volcanics.

#### The Aamurusko Northwest Prospect

Eight drillholes on five fences were completed over a distance of 185 m approximately 800 m west-northwest

of the eastern extent of the main Aamurusko boulder field. Assays have been received from all holes. The best assay results came from drillhole AM18026 which returned of 25.00 g/t Au over 0.6 m and 5.03 g/t Au over 1.00 m. All drillholes intersected quartz veining with anomalous gold values. Mineralization is hosted by quartz veins in clastic sediments and gabbro.

## A2 Prospect

Eleven drillholes were completed over a strike of 450 m approximately 1.2 to 1.4 km north-northwest of Aamurusko. Three target areas were tested. Partial assays have been received for 4 of 12 drillholes. The best assay result to date was 22.00 g/t Au over 0.45 m from 38.45 to 38.90 m downhole from AM18041. Mineralization is hosted by clastic sediments.

## Discussion

The discovery of significant quartz veining in bedrock through trenching and drilling immediately up-ice confirms Aurion's original premise that the boulders were not transported significant distances. Furthermore, the identification of gold mineralization associated with a major east-west trending north dipping structure immediately north of the main Aamurusko boulder field is a major breakthrough as this structure is concealed under talus and overburden along a sharp break in slope. Hundreds of gold bearing boulders were discovered proximal to the break in slope which Aurion modelled as a major structure and lithological contact. The presence of veining in drilling and trenching similar to the high grade boulders on surface exhibiting "crack and seal" textures suggests this shear zone is likely the controlling structure and/or source of many of the large, auriferous boulders within the main 1.1 km by 1.4 km Aamurusko boulder field.

The discovery of significant quartz veining in drilling 1.9 km apart and open in both directions suggests significant strike length potential. The discovery of high grade gold mineralization associated with both fault fill veins and extensional veining also indicates multiple gold enriching events. Additionally, the discovery of auriferous gold mineralization in drill core in multiple targets over a wide area (1.5 km by 2.0 km) suggests the mineralizing system at Aamurusko could have considerable scale.

## 2018 Program Details

Drilling at Aamurusko has been underway since early July and continues with two drills. Initial plans include completing 15,000 m. Trenching with two excavators continues throughout the property as well.

Structural and lithological mapping is being conducted in conjunction with a detailed UAV magnetic survey and together with drill core data will be compiled into a 3D geological model.

Prospecting with a team of 6 prospectors continues to add significant value. Only 25% of the 15,000 ha Risti property has been systematically prospected.

"Blind, structurally complex orogenic gold deposits are challenging, however, our work this field season especially discovering high grade gold mineralization in drilling has advanced our understanding of the controls on mineralization significantly", commented Mike Basha, President and CEO. "With approximately C\$16 million cash in our treasury we are well funded to advance the Aamurusko discovery and the Risti Project into the foreseeable future. This is a very exciting time for Aurion and its shareholders".

## Background

The geological setting of the Risti project has many similarities to prolific gold-rich orogenic gold belts globally, specifically the Timmins camp of the Abitibi province of Northern Ontario. The Aamurusko zone appears to be underlain by young unconformable clastic rocks (meta-sandstones and conglomerates) of the Kumpu Group. These Kumpu Group conglomerates resemble the Timiskaming conglomerates of the Timmins and Kirkland Lake area of the Abitibi province and occur in a similar geo-tectonic setting (both represent the youngest stratigraphic sequence within their respective belts). The Kumpu Group and the Timiskaming group were deposited in late orogenic extensional basins. They form in relation to major

movement along regional faults or deformation zones. In the Abitibi province, many high-grade, multimillion-ounce gold deposits are temporally and spatially associated with the Timiskaming conglomerates (or their equivalents) in close proximity to major regional deformation (fault) zones such as the Porcupine-Destor or Cadillac Lake-Larder Lake deformation zones. The Kumpu Group appears to have been deposited in a similar geological setting adjacent to the Sirkka shear zone, which is a major deformation zone in the Central Lapland Greenstone Belt. Strong alteration including fuchsite, tourmaline, iron carbonate, albite and quartz veining is seen along the entire length of this structure.

### Quality Assurance and Quality Control

All samples were delivered to ALS Minerals preparation facility in Sodankyla, Finland where sample preparation work was completed. All analytical work was completed at ALS Minerals facility in Loughrea, Ireland. ALS Minerals is an internationally accredited lab and are ISO compliant (ISO 9001:2008, ISO/IEC 17025:2005). All samples were analyzed for gold using the Au-AA26 procedure (50g fire assay with AAS finish: Lower Detection Limit 0.01 g/t gold; Upper Limit &#8211; 100 g/t gold). Any samples that returned overlimit values (>90.0 g/t gold) or had visual indication of mineralization, such as visible gold or prospective vein intervals (>90.0 g/t gold) were analyzed by Au-SCR24 1kg, Screen Fire Assay Au (0.05-1,000 ppm) by 1kg screen fire assay (50g nominal sample weight). The sample pulp (1kg) is passed through a 100 micron stainless steel screen. Any material remaining on the screen (>100 micron) is retained and analyzed in its entirety by fire assay with gravimetric finish and reported as the Au (+) fraction. The material passing through the screen (<100 micron) is homogenized and two sub-samples are analyzed by fire assay with AAS finish. The average of the two AAS results is taken and reported as the Au (-) fraction result. All three values are used in calculating the combined gold content of the plus and minus fractions. The gold values for both the (+) 100 and (-) 100 micron fractions are reported together with the weight of each fraction as well as the calculated total gold content of the sample.) Multi-element analysis (ME-ICP61, four-acid digestion, 35 element ICP-AES) was completed on all samples. Certified standards and blanks were inserted every 30 samples. ALS has its own QA/QC protocol using standards, blanks and duplicates.

Mike Basha, P.Eng., P.Geo., President and CEO of Aurion, a Qualified Person as defined by National Instrument 43-101, is responsible for the preparation of this release. For more information on these projects please visit our website at [www.aurionresources.com](http://www.aurionresources.com).

### Forward-Looking Statement

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**Michael Basha, Chief Executive Officer**  
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