

TMAC Continues to Intersect High-Grade at Doris BTB Extension Zone

15.10.2019 | [Business Wire](#)

[TMAC Resources Inc.](#) (TSX: TMR) (“TMAC” or the “Company”) is pleased to provide an update on the ongoing exploration programs at Hope Bay, including continued high-grade drilling results in the Doris North BTB Extension.

This press release features multimedia. View the full release here:
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Figure 1: Doris longitudinal section showing the Doris Valley surface drilling relative to the BTB Extension zone and selected drill hole results.

DORIS NORTH BTB EXTENSION HIGHLIGHTS (DRILLING FROM UNDERGROUND)

● TMDBE-19-50148	196.1 g/t
● TMDBE-19-50510	31.6 g/t
And	26.8 g/t
● TMDBE-19-50515	43.3 g/t
And	79.5 g/t
● TMDBE-19-50528	87.5 g/t
And	19.7 g/t
● TMDBE-19-50131	61.9 g/t

Jason Neal, President and Chief Executive Officer of TMAC, stated, “We continue to intersect high-grade gold values over minable widths in the growing Doris North BTB Extension zone. Our work includes infill drilling and sill development in advance of first production ore in the fourth quarter. The BTB Extension will become an increasingly significant contributor of high-grade ore into 2020.”

Jason Neal continued, “The regional exploration programs have been ongoing through the third quarter. Regional exploration includes gold in glacial till sampling, lake-bottom sediment sampling, mapping and prospecting, and some diamond drilling. Drilling results have returned anomalous gold values that will help generate targeting and follow up work for the 2020 program. In the fourth quarter we are active at Boston and look forward to providing an update on results in early 2020.”

DORIS – EXPLORATION DRILLING

At Doris mine, underground expansion and infill drilling and production development is ongoing on the high-grade Doris North BTB Extension zone. During the quarter, infill drilling has continued to confirm continuity of high-grade gold mineralization. Highlights from the recent underground drilling program include

drill hole TMBE-19-50148 returning 196.1 g/t Au over 6.8 metres, and TMDBE-19-50510 returning 31.6 g/t Au over 1.2 metres and 26.8 g/t Au over 9.3 metres, and drill hole TMDBE-19-50528 returning 87.5 g/t Au over 6.6 metres, and 19.7 g/t Au over 4.9 metres. Production development continues within the southern portion of the zone, with sill development on five levels in preparation for longhole mining which has commenced in the fourth quarter of 2019. In addition, the exploration drive is being extended 125 metres to the north, which will allow further expansion drilling in late 2019 and 2020.

Assays were also received for the final drill hole completed as part of the surface exploration program at Doris, north of the known deposit in the Doris Valley. The initial five holes intersected the Doris deposit stratigraphy, and significant mineralization between 325 to 375 metres along strike to the north, returning up to 8.9 g/t Au over 8.5 metres and 97.6 g/t Au over 0.3 metres. Refer to the news release issued on August 14, 2019 titled "TMAC Announces Growth of Doris BTM Extension Zone and First Results from Doris Regional Program". See Table 1 for results of the remaining surface drill holes. Based on the positive results in 2019, a drilling program is being designed for the 2020 winter exploration season.

REGIONAL – EXPLORATION DRILLING

The regional exploration program is designed to focus on highly prospective targets that are in proximity to established or planned infrastructure and where successful exploration will influence TMAC's decisions with respect to property-wide mine development. In defining targets, TMAC benefits from a significant database of historic work completed by BHP, Miramar, Newmont and TMAC, including geological mapping, sampling and airborne geophysical surveys. Field activities for 2019 include gold in glacial till sampling, lake-bottom sediment sampling, mapping and prospecting, and diamond drilling.

The regional exploration program is split into two programs: (1) a northern regional program based out of the Doris camp, that commenced in the second quarter; and (2) a southern regional program based out of the Boston camp, that commenced in the third quarter. Year to date more than 15,000 metres of regional exploration diamond drilling has been completed, within both the north and south portions of the belt. The location of the 2019 regional target areas is illustrated in Figure 3.

The Too showing is located 10 kilometres south of Boston (Figure 3) and has approximately 200 metres of exposed strike length, with quartz veining and surface sampling returning results greater than 100 grams per tonne gold. Several surface veins contain fine visible gold. The geological setting of the showing is primarily a glomophytic feldspar gabbro, flanked by strongly strained mafic volcanics and associated quartz veining. Surface outcrop channel sampling completed prior to the 2019 drilling returned results up to 28.3 g/t Au over 0.4 metres and 18.6 g/t Au over 0.5 metres. There is no historical drilling in the area, and TMAC completed four drill holes as part of the 2019 regional program. See Figure 4 for the location of 2019 drillings. Assays are pending for the 2019 drilling.

The Domani area is part of an alteration trend, extending approximately 6 kilometres south east of the Boston Deposit (Figure 3). Surface sampling of quartz-carbonate veining has returned samples greater than 100.0 g/t Au with samples extending over a strike length of approximately two kilometres in the Domani south area. The 2019 drilling will follow up on historical surface showings and shallow drilling, with historical narrow, high-grade intercepts up to 37.5 g/t Au over 1.0 metres and 28.0 g/t Au over 1.1 metres. TMAC completed nine drill holes in 2019. Assays are pending for the 2019 drilling.

The Pogey target area is located 13 kilometres south of Madrid North (Figure 3). The area of interest is hosted in a south plunging antiform, comprising variolitic volcanics in contact with fine grained clastic metasediments. Diamond drilling was focused around the intercept from previous drill hole TM00023, which intersected 14.1 g/t Au over 0.5 metres and 3.3 g/t Au over 6.4 metres. A second target included testing the fold hinge, where surface samples from quartz veining returned up to 714.0 g/t Au. Seven drill holes were completed in 2019 (Figure 5), and assay results are summarized in Table 2. Anomalous gold mineralization was intersected in all drill holes, in some cases over significant width, up to 0.4 g/t Au over 15.5 metres and local, short higher-grade intervals up to 3.0 g/t Au over 0.8 metres in drill hole TMRPG-19-00004.

The Kamik exploration target area is located 18 kilometres south of Madrid North (Figure 3). Geology of the area is interpreted as a tightly folded structure, cored by variolitic pillow basalts and bounded by ultramafic/gabbro sills. Historic drilling has intersected mineralized quartz-iron carbonate-sulphide veining on the margins of the gabbroic intrusives, including historical drill hole 10KKD001, intersecting 5.3 g/t Au over

1.2 metres. Two drill holes were completed in 2019 (Figure 5), testing the down-dip projection of these mineralized horizons. Anomalous mineralization, up to 0.3 g/t Au over 11.0 metres was intersected in both drill holes. See Table 2 for complete 2019 assay results.

The Quaqtuq exploration area is located 2 kilometres west of Doris (Figure 3) and proximal to an interpreted synvolcanic felsic intrusion-basalt contact. Drilling in 2019 has targeted a major flexure in the regional stratigraphy with steep gravity gradients and coincident gold in glacial till anomalies. Four diamond drill holes were completed in 2019 (Figure 6), with anomalous, low-grade gold mineralization, up to 0.3 g/t Au over 12.5 metres, intersected in drill hole TMRQA-19-00003. See Table 2 for complete 2019 assay results.

Regional drilling in 2019 also tested the potential stratigraphy north of the Madrid North Naartok Zone, where ultramafic and variolitic units contact amygdaloidal flows. Three holes were completed in 2019 (Figure 7). See Table 2 for complete 2019 assay results.

Table 1: Doris BTM Extension Q3 exploration drilling intersections.

Doris BTM Extension - TMAC Q3 2019 Intersections

DRILL HOLE	ZONE	AZIMUTH (degrees)	DIP (degrees)	Inclusion FROM (m)	TO (m)	CORE LENGTH (m) ¹	AS	
TMDBE-19-50148	West Limb	170.0	-23.0	84.20	90.95	6.75	19	
				Including	89.00	90.95	1.95	46
TMDBE-19-50505	West Limb	146.0	-16.0	101.00	102.00	1.00	1.4	
TMDBE-19-50508	West Limb	132.0	-28.0	90.36	91.02	0.66	91	
TMDBE-19-50509	West Limb	132.0	-36.0	83.17	83.51	0.34	14	
TMDBE-19-50510	West Limb	123.0	-21.5	91.23	92.42	1.19	31	
				And	95.10	104.40	9.30	26
				And	132.83	133.27	0.44	6.3
				And	135.84	136.26	0.42	7.2
TMDBE-19-50511	West Limb	123.0	-33.0	87.27	88.44	1.17	19	
	East Limb			And	154.30	154.68	0.38	4.1
TMDBE-19-50512	West Limb	123.0	-50.0	No Significant Values				
TMDBE-19-50513	West Limb	115.0	-13.0	105.00	105.93	0.93	12	
	East Limb			And	125.75	131.00	5.25	2.5
				Including	125.75	126.05	0.30	11
TMDBE-19-50514	West Limb	115.0	-19.0	100.37	105.50	5.13	3.1	
				Including	103.37	105.09	1.72	8.3
	East Limb			And	134.80	135.38	0.58	31
TMDBE-19-50515	West Limb	115.0	-26.0	84.13	83.30	0.83	43	
				And	88.65	93.70	5.05	79
TMDBE-19-50516								

West Limb

104.0

-22.0

94.00

95.00

			And	101.60	103.48	1.88	31
TMDBE-19-50517 West Limb	104.0	-15.0		106.00	105.70	0.30	1.6
East Limb			And	136.16	135.40	0.76	6.0
TMDBE-19-50518 West Limb	104.0	-29.0		85.10	88.55	3.45	33
			And	145.58	147.00	1.42	23
TMDBE-19-50519 West Limb	104.0	-37.0		82.82	84.14	1.32	15
TMDBE-19-50520 West Limb	104.0	-43.0		83.30	83.83	0.53	58
East Limb				163.07	163.45	0.38	10
TMDBE-19-50527 West Limb	111.0	-13.5		106.09	107.00	0.91	18
TMDBE-19-50528 West Limb	111.0	-24.5		83.54	90.13	6.59	87
			And	95.50	100.35	4.85	19
			And	139.92	140.92	1.00	47
TMDBE-19-50529 West Limb	108.0	-52.0		79.40	80.40	1.00	0.3
TMDBE-19-50530 West Limb	104.0	-10.5		120.03	121.03	1.00	2.4
East Limb			And	130.90	132.07	1.17	4.2
TMDBE-19-50531 West Limb	78.0	-52.5		86.99	88.43	1.44	61
TMDBE-19-50532 West Limb	92.0	-10.0		120.98	121.36	0.38	1.7
East Limb			And	142.27	143.54	1.27	23
TMDBE-19-50533 West Limb	85.5	-11.0		129.08	133.30	4.22	7.1
East Limb			And	155.70	157.80	2.10	14
TMDBE-19-50534 West Limb	84.0	-7.0		136.00	137.14	1.14	1.6
East Limb			And	154.41	154.80	0.39	7.1
TMDBE-19-50535 West Limb	86.0	-19.0		119.45	119.75	0.30	0.5
East Limb			And	160.22	160.70	0.48	0.9
TMDBE-19-50537 Hinge	117.0	-2.0		138.80	141.65	2.85	3.7
			Including	138.80	139.65	0.85	10
TMDBE-19-50538 West Limb	119.0	-7.0		115.10	115.60	0.50	1.4
East Limb			And	141.75	142.94	1.19	20
TMDBE-19-50539 West Limb	123.0	-11.0		110.50	110.88	0.38	2.0
TMDBE-19-50540 West Limb	126.0	-17.0		107.60	108.43	0.83	4.7
East Limb			and	148.87	149.62	0.75	56
TMRDC-19-00006							

Doris Valley

110.0

-65.0

294.30

295.81

And 304.56 308.04 3.48

1.8

And 408.75 409.20 0.45

4.0

(1) True width varies depending on the dip of the drill hole. Drill holes were designed to intersect target zone(s) at as close to a perpendicular orientation as possible, true widths are estimated to be approximately 30% to 90% of down hole widths.

(2) Individual assays are capped at 100 g/t Au.

Table 2: Regional exploration drilling intersections

Regional Exploration - TMAC 2019 Intersections

DRILL HOLE	AREA	AZIMUTH (degrees)	DIP (degrees)	Inclusion	FROM (m)	TO (m)	CORE LENGTH (m)
TMRQA-19-00001A	Quaqtuq	280.0	-52.0	No significant assays			
TMRQA-19-00002C	Quaqtuq	290.0	-55.0	No significant assays			
TMRQA-19-00003	Quaqtuq	270.0	-51.0		14.00	21.50	7.50
				And	26.50	30.00	3.50
				And	43.50	56.00	12.50
TMRQA-19-00004	Quaqtuq	280.0	-51.0	No significant assays			
TMRPG-19-00001	Pogey	85.0	-52.0		229.00	230.00	1.00
				And	496.50	499.50	3.00
				And	585.65	586.65	1.00
TMRPG-19-00002	Pogey	90.0	-50.0		149.00	150.50	1.50
				And	218.73	224.00	5.27
				And	346.09	346.83	0.74
				And	363.50	368.76	5.26
				And	385.00	394.00	9.00
				And	397.49	413.53	15.45
				And	423.37	431.00	7.63
TMRPG-19-00003	Pogey	260.0	-46.0		73.70	74.67	0.97
				And	149.00	153.00	4.00
TMRPG-19-00004	Pogey	90.0	-51.0		113.00	113.75	0.75
				And	147.50	149.00	1.50
				And	261.00	265.00	4.00
				And	613.46	617.67	4.21

Including

616.52

				And	649.25	654.00 4.75
				Including	653.32	654.00 0.68
				And	656.84	660.00 3.16
TMRPG-19-00005	Pogey	15.0	-44.0		327.50	329.00 1.50
				And	342.50	343.45 0.95
				And	485.60	486.10 0.50
TMRPG-19-00007	Pogey	260.0	-45.0		262.70	263.50 0.80
TMRKM-19-00001	Kamik	270.0	-60.0		196.33	197.63 1.30
TMRKM-19-00002	Kamik	270.0	-60.0		409.30	412.55 3.25
				And	482.00	483.50 1.50
				And	489.00	500.00 11.00
TMRNN-19-00001	Naartok North	80.0	-49.0	No significant assays		
TMRNN-19-00002	Naartok North	80.0	-50.0	No significant assays		
TMRNN-19-00003	Naartok North	80.0	-50.0	Assays Pending		

(1) True widths vary depending on the dip of the drill hole and orientation of the quartz veins and are unknown at this time.

SAMPLE PREPARATION, ANALYSIS AND QUALITY ASSURANCE/QUALITY CONTROL

For the 2019 drilling campaigns, samples were prepared at ALS Laboratories in Yellowknife, Northwest Territories and assayed at their Vancouver, British Columbia laboratory (an ISO/IEC 17025 accredited lab for gold analysis). Analysis for gold is completed on sawn half-core samples (NQ) using 50 gram fire assay with atomic absorption (AAS) finish. Samples with higher grade gold (greater than 100 grams per tonne) are re-assayed using the pulp and fire assay with gravimetric finish procedures. Samples with visible gold and surrounding samples are analyzed using screen metalics (1,000 grams of material is screened to 100 microns, with all +100 micron material analyzed and two samples of -100 micron analyzed by 50 gram fire assay with AAS finish, results are averaged based on weight). Chip samples and select drill hole samples from Doris were prepared and analyzed at the internal laboratory located at the Doris mine site (non accredited lab), operated by SGS SA. Analysis for gold is completed using 30 gram fire assay with atomic absorption (AAS) finish. Samples with higher grade gold (greater than 10 g/t Au) are re-assayed using the pulp and fire assay with gravimetric finish. Samples with visible gold are selected to go directly to fire assay with gravimetric finish. The Company control checks include the insertion of standard reference materials and blank samples to monitor the precision and accuracy of the assay data. For a complete description of TMAC's sample preparation, analytical methods and QA/QC procedures refer to the 2018 Annual Information Form dated March 11, 2019 and filed on TMAC's profile at www.sedar.com.

SCIENTIFIC AND TECHNICAL INFORMATION

Information of a scientific or technical nature in respect of the Hope Bay property, other than new information related to Doris mine development, is based upon the Hope Bay Technical Report, as filed on TMAC's profile at www.sedar.com. Scientific and technical information contained in this document was reviewed and approved by David King, P.Geo., Vice President, Exploration and Geoscience of TMAC, who is a "Qualified Person" as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

ABOUT TMAC RESOURCES INC.

TMAC operates the Hope Bay property located in Nunavut, Canada. The property and operations are remote but not isolated, serviced by both a port and airstrip. Hope Bay is an 80 km by 20 km Archean greenstone belt that has been explored by BHP, Miramar, Newmont and TMAC over a period spanning more than 30 years. In that time, more than \$1.5 billion of expenditures have been spent in exploration and evaluation, surface infrastructure, and mine and process plant development. TMAC began producing gold in early 2017 from Doris, its first mine at Hope Bay, and processed gold at the Doris Plant which originally had nameplate capacity of 1,000 tonnes per day and expanded to 2,000 tonnes per day midway through 2018. Hope Bay has 4.8 million ounces of measured and indicated resources at Doris, Madrid and Boston deposits, largely within 350 metres of surface. There is potential to grow these established deposits considerably at depth, and then grow resources further through the prioritized exploration of the more than 90 other identified regional targets. TMAC is now permitted to produce from both Madrid and Boston.

FORWARD-LOOKING INFORMATION

This release contains "forward-looking information" within the meaning of applicable securities laws that is intended to be covered by the safe harbours created by those laws. "Forward-looking information" includes statements that use forward-looking terminology such as "may", "will", "expect", "anticipate", "believe", "continue", "potential" or the negative thereof or other variations or comparable terminology.

"Forward-looking information" is not a guarantee of future performance and management bases forward-looking statements on a number of estimates and assumptions at the date the statements are made. Furthermore, such "forward-looking information" involves a variety of known and unknown risks, uncertainties and other factors, which may cause the actual plans, intentions, activities, results, performance or achievements expressed or implied. See "Risk Factors" in the Company's Annual Information Form dated March 11, 2019 filed on SEDAR at www.sedar.com for a discussion of these risks.

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