

Timberline Resources Corp. Announces 2021 Exploration Plans at the Eureka Gold Project

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COEUR D'ALENE, April 1, 2021 - [Timberline Resources Corp.](#) (OTCQB:TLRS) (TSXV:TBR) ("Timberline" or the "Company") announces exploration plans for the 2021 field season at its 100%-controlled Eureka Project in Nevada. The plans are built upon historic work and results from the 2020 program that improved understanding of district and local controls on high grade (≥ 3 g/t) gold. The plan for 2021 features approximately 6,000 meters of drilling, 20 line-kilometers of Controlled-Source Audio Magnetotellurics (CSAMT), and 30 line-kilometers of IP/Resistivity (IP) along with geologic mapping and 3D modeling. The Lookout Mountain resource will be tested for expansion in three areas having drill holes with intercepts of high-grade Carlin-type (CT) gold. Drilling is also being considered on the Company's patented claims at the historic Windfall Mine where previous drilling intercepted high-grade gold. The Oswego Target will be advanced to follow-up on historic surface sampling, which included 85.7m @ 12.38 g/t gold in outcrop (see Company news release dated June 12, 2018 at <http://timberlineresources.co/press-releases>).

"We have significantly advanced our understanding of the higher-grade gold at Eureka. In 2020, we saw the interplay of favorable host rocks with structure and collapse breccias, yielding near-surface high-grade, oxide gold in drilling. Last year's geophysics and drilling identified several key structures, which we are now developing into prime targets for more drilling", commented Patrick Highsmith, Timberline's President and CEO. "We are planning for a very significant exploration program in 2021, focusing on high-value targets that build on the higher-grade portions of the Lookout Mountain Resource."

Exploration Targets

The 2020 district exploration program included geologic modeling, geophysics (IP and gravity), and a drill program that advanced several exploration targets along the Lookout Mountain Trend, the Windfall Trend, and the Oswego Target (Figure 1). However, drilling in 2020 was limited to the area around the historic Lookout Mountain Open Pit and eastward step-outs.

Lookout Mountain Trend

High grade gold is present along the Lookout Mountain trend in stratigraphic and structural settings known to host significant CT gold mineralization elsewhere in the Battle Mountain-Eureka Trend (Figure 2). The resource around the historic Lookout Mountain Open Pit has been the focus for most of the drilling dating back almost 20 years. This is largely due to the significant near-surface high-grade gold that has been documented in and around the pit, such as the 15.24m of 10.09 g/t oxide gold reported by Timberline in December 2020.

Additionally, drilling has documented a much larger footprint of mineralization that extends two kilometers to the north and nearly four kilometers to the south of the Lookout Pit, while also covering at least one kilometer in an east-west direction. The 2020 drill program probed eastward into the Graben Zone from the resource area (Figure 2). Historic drilling and geophysics suggested the presence of important structures and alteration at depth. A strong IP anomaly was reported in February 2021, the periphery of which was documented by 2020 core drilling to host abundant pyritic and carbonaceous breccia containing anomalous gold, silver, lead, and zinc (see Company news releases dated February 3, 2021 and March 25, 2021 at <http://timberlineresources.co/press-releases>).

Gold is concentrated along moderate to steeply dipping faults and along contacts within the Cambrian and Silurian-Devonian age stratigraphy (Figure 2). Clustered, high grade intercepts with nearby long intercepts of ≥1 g/t oxide gold (Table 1) occur at the Water Well - North Lookout, South Lookout, and Rocky Canyon Zones (Figures 1 and 3). Isolated, higher grade drill intervals are present throughout the Lookout Mountain Trend, including the more advanced South Adit Zone. These areas are all inadequately drilled.

Figure 1. 2021 Eureka Property Target Map with Geophysical Survey Lines

Figure 2. Lookout Mountain Geologic Cross Section and Schematic Gold Targets

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Table 1. Summary of Notable Assay Results from Lookout Mountain Trend

Drill Hole	From (meters)	Length (meters) ¹	Gold (g/t)	Comments
			Water Well Zone ⁽²⁾	

BHSE-152	312.40	4.57 (at TD)	4.72	Undrilled area of ~600m x ~200m north-south from Water Well (WW) drilling within the western Graben Zone (see Figure 3).
BHSE-171	301.75	25.91	2.54	
including	301.75	16.76	3.41	Rare historic holes did not reach Dunderberg-Hamburg contact where WW drill holes intersected strong arsenic in carbonaceous sediment with multi-staged collapse brecciation.
including	310.90	6.10	5.46	
BHSE-172	272.80	48.85	3.26	Zone may tie in with North Lookout mineralization.
including	274.32	12.19	4.88	
BHSE-173	284.99	19.81	2.29	
including	289.56	9.14	2.91	
BHSE-187 ⁽³⁾	266.70	25.91	2.18	
including	266.70	7.62	4.49	
South Lookout Mountain Zone ⁽⁴⁾				
BH07-02	57.91	1.52	7.88	Geologic and structural setting nearer surface, but otherwise identical to the Lookout Open Pit area.
BHSE-062	156.92	73.15	1.29	
including	172.21	10.67	4.31	The favorable Dunderberg-Hamburg Formation contact zone is decalcified and brecciated. Limited previous drilling did not reach the contact zone and the near-surface, high-grade drill intercepts are open down-dip to the east.
BHSE-064	39.62	6.09	3.19	
BHSE-066	25.91	4.57	4.95	Area is coincident with strong northwest-trending soil geochemical anomaly.
	88.39	4.57	8.53	
BHSE-067	51.82	4.57	3.63	
BHSE-076	6.10	42.67	1.43	
including	7.62	3.05	11.52	
BHSE-096	32.00	62.48	1.48	
including	36.58	9.14	3.73	
BHSE-102	41.15	28.96	1.89	
including	59.44	3.05	13.15	
BHSE-104	33.53	53.34	1.18	
including	67.05	6.10	12.19	
BHSE-151C	152.70	10.90	3.63	
including	154.23	2.62	35.63	

Rocky Canyon Zone

BHSE-021	82.30	47.24	0.83	Historic Rocky Canyon drill data have been compiled and reviewed including drill logs, laboratory assay certificates, and location maps. However, much of the work was before the advent of Canadian NI 43-101, so these data should not be relied upon until Timberline has done sufficient work to confirm the mineralization and report it in accordance with NI 43-101.
including	120.40	1.52	3.77	
BHSE-025C	153.22	0.49	5.28	
BHSE-027C	88.70	0.91	9.22	
EBR-96	24.4	13.72	3.18	Near-surface oxide intercept separated from the resource by approximately 400m along strike.
EBR-72-97	0	24.38	1.44	
EBR-75-97	21.3	18.29	1.03	Notable IP anomalies (see Company news release dated February 3, 2021 at http://timberlineresources.co/press-releases) occur in close proximity to this zone but are untested by drilling.
EBR-77-97	21.34	16.76	3.78	
EBR-98-97	3.05	16.76	1.07	

1. Drill thickness: true thickness undetermined
2. see Company news release dated April 20, 2015 at <https://timberlineresources.co/press-releases>)
3. see Company news release dated January 7, 2021 at <https://timberlineresources.co/press-releases>)
4. see Updated Technical Report on the Lookout Mountain Project by Mine Development Associates (MDA), Effective March 1, 2013, filed on SEDAR April 12, 2013.

Figure 3. 2021 Target Zones (red hatch) along the Lookout Mountain Trend with Historic Drilling. Red Discs Indicate Gold Intercepts Higher than 5 g/t.

Windfall Trend

The Windfall Trend (historic production of 114,000 ounces Au) has seen less modern exploration than the Lookout Mountain Trend. During 2020 and early 2021, Timberline increased its efforts to compile historic drilling data, geologic mapping, and geophysics at Windfall. The team also conducted limited geologic mapping around the historic pits and along trend (Figure 4). A single IP test line surveyed in 2020 also focused attention on the target's potential. The historically mined mineralization and existing drill intercepts at Windfall occur in a closely analogous stratigraphic and structural setting to the Lookout Mountain Deposit.

Gold mineralization is found within the Dunderberg Formation and underlying Hamburg Dolomite. The highest-grade mineralization (see Company news release dated July 10, 2018 at <http://timberlineresources.co/press-releases>) occurs at or near the contact between these two formations, often associated with cross structures. Intense gold mineralization is linked to strong and pervasive carbonate dissolution zones in the Hamburg Dolomite and collapse brecciation in the overlying Dunderberg Formation. High-grade gold is associated with pyrite, orpiment and realgar, but it can be oxidized to considerable depth. Outside of the historic pits, this contact is poorly tested by drilling between the pits and along the trend.

There are Timberline and other modern drill intercepts between the various pits that include intervals of oxide gold mineralization higher than 3.0 g/t or long runs of more than 1.0 g/t (Table 2). An active program of historic drill hole re-logging is currently underway to support surface geological mapping and geophysics campaigns across this target area during the second and third quarters of 2021.

Figure 4. Windfall Target High-Grade Drill Intercepts

*Historic production estimated by Nolan and Hunt (1967) and Wilson and Wilson (1984)

Preliminary Plans for 2021 Exploration

Timberline remains focused on high-value exploration to demonstrate the multi-million-ounce potential of the Eureka Project. The results from the 2020 exploration program confirm that the Lookout Mountain Trend

remains target-rich for gold discovery. Untested targets include faults newly recognized as potential feeders, multiple sections of favorable stratigraphy documented to host CT gold in the district and across Nevada, deeper geophysical anomalies, and high-grade surface gold occurrences such as at the Oswego road-cut (Figures 2 and 3).

Approximately 6,000 m of reverse circulation (RC) and core drilling is anticipated to begin in the second quarter of 2021. The team aims to increase the ratio of core to RC drilling in order to improve the geological record in key areas. Drilling will be prioritized on the high-grade target areas discussed in this release, including the Water Well-North Lookout, South Lookout, and Rocky Canyon Zones (Figure 3).

Table 2. Selected Highlights from Timberline⁽¹⁾ Drilling within Windfall Trend

Drill Hole	From (meters)	Length (meters) ⁽²⁾	Gold (g/t)	Comments
BHWF-001	36.6	9.1	1.44	Surface geology and previous drilling documents stratigraphic and structural setting with strong similarities to Lookout Mountain.
BHWF-002	57.9	13.7	0.82	
BHWF-003	41.2	13.7	0.69	
BHWF-004	76.2	15.2	7.58	
including	80.8	7.6	13.58	Oxide gold mineralization to date is preferentially located within the Dunderberg Formation shale along the contact with intensely altered and brecciated Hamburg Dolomite.
BHWF-036	88.4	12.2	1.26	
BHWF-037	56.4	27.4	2.20	
including	56.4	13.7	3.68	
BHWF-040	88.4	24.4	3.04	Distinct IP anomaly noted at depth east of the historically mined mineralization.
including	93.0	6.1	8.79	
BHWF-041	70.1	18.3	1.24	
	67.1	12.2	8.39	
SW-77	94.5	27.4	1.21	

1. Timberline and Predecessor Companies

2. Drill Thickness: True Thickness undetermined

Cautionary Statement: Historic Windfall drill data have been compiled and reviewed including drill logs, laboratory assay certificates, and location maps with regard to their location relative to recent (2008-2015) drill data. Drill sites have been identified and confirmed through field review. A Qualified Person has not done sufficient work to classify the historical information as a current mineral resource, and the Company is not treating the historical information as a current mineral resource. Additional drilling and analysis will be required to verify the historical information or create a current mineral resource. (see Company news releases dated April 20, 2015 and August 8, 2018 at <http://timberlineresources.co/press-releases> for additional details on Windfall mineralization).

Geophysical contractors are scheduled during the second quarter to initiate significant CSAMT and IP geophysical surveys along the Lookout and Windfall Trends (Figure 1). The geophysics will be integrated with new geological mapping, sampling, and 3D analysis to prioritize and select drill targets.

The database supporting the mineral resource at Lookout Mountain has been boosted markedly by the 2020

drilling and careful geological logging and modeling. The Timberline technical team will be working internally and with its qualified persons to assess the impact of the 2020 and 2021 programs on the current gold resource. An update to the resource is likely before the end of calendar year 2021.

Steven Osterberg, Ph.D., P.G., Timberline's Vice President Exploration, is a Qualified Person as defined by National Instrument 43-101 and has reviewed and approved the technical contents of this release. Dr. Osterberg is not independent of the Company as he is an officer and a director.

About Timberline Resources

[Timberline Resources Corp.](#) is focused on delivering high-grade Carlin-Type gold discoveries at its district-scale Eureka Project in Nevada. The Eureka Property includes the historic Lookout Mountain and Windfall mines in a total property position of approximately 24 square miles (62 square kilometers). The Lookout Mountain Resource was reported in compliance with Canadian NI 43-101 in an Updated Technical Report on the Lookout Mountain Project by Mine Development Associates, Effective March 1, 2013, filed on SEDAR April 12, 2013.

Resource Category	Tonnage	Grade	Grade	Contained Au
	(million short tons)	(oz/ton)	(grams/tonne)	(troy oz)
Measured	3.04	0.035	1.2	106,000
Indicated	25.90	0.016	0.6	402,000
Inferred	11.71	0.012	0.41	141,000

The Company is also operator of the Paiute Joint Venture Project with Nevada Gold Mines in the Battle Mountain District. These properties all lie on the prolific Battle Mountain-Eureka gold trend. Timberline also controls the Seven Troughs Project in northern Nevada, which is one of the state's highest-grade former gold producers. Timberline controls over 43 square miles (111 square kilometers) of mineral rights in Nevada. Detailed maps and mineral resources estimates for the Eureka Project and NI 43-101 technical reports for its projects may be viewed at <http://timberlineresources.co/>.

Timberline is listed on the OTCQB where it trades under the symbol "TLRS" and on the TSX Venture Exchange where it trades under the symbol "TBR".

Forward-Looking Statements: Statements contained herein that are not based upon current or historical fact are forward-looking in nature and constitute forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Such forward-looking statements reflect the Company's expectations about its future operating results, performance and opportunities that involve substantial risks and uncertainties. These include, but are not limited to, statements regarding the advancement of projects, and exploration potential. When used herein, the words "anticipate," "believe," "estimate," "upcoming," "plan," "target," "intend," "growth opportunity" and "expect" and similar expressions, as they relate to [Timberline Resources Corp.](#), its subsidiaries, or its management, are intended to identify such forward-looking statements. These forward-looking statements are based on information currently available to the Company and are subject to a number of risks, uncertainties, and other factors that could cause the Company's actual results, performance, prospects, and opportunities to differ materially from those expressed in, or implied by, these forward-looking statements. Factors that could cause or contribute to risks involving forward-looking statements include, but are not limited to, changes in the Company's business and other factors, including risk factors discussed in the Company's Form 10-K for the year ended September 30, 2020. Except as required by law, the Company does not undertake any obligation to release publicly any revisions to any forward-looking statements.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accept responsibility for the adequacy or accuracy of this release.

On behalf of the Board of Directors,
Patrick Highsmith
President and CEO

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