

Alpha Exploration Announces Results from Maiden Drilling at Tolegimja Copper-Zinc-Gold VMS Discovery

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Calgary, June 6, 2022 - [Alpha Exploration Ltd.](#) (TSXV: ALEX) ("Alpha" or the "Company") is pleased to announce assay results from the first drill program at its Tolegimja volcanogenic-massive-sulphide ("VMS") discovery. Tolegimja is one of seventeen prospects on Alpha's 100% owned Kerkasha Project in Eritrea. The drill program of this prospect comprised nine reverse-circulation (RC) drill holes for a total of 1,862m and was completed in February this year. All assay results have now been received.

Highlights

- Drill hole TLR-009 intersected 26 meters of massive and semi massive sulphide mineralization averaging 0.11 g/t gold, 0.38% copper and 1.67% zinc.
- Drill hole TLR-003 intersected 18 meters of massive and semi massive sulphide mineralization averaging 0.16 g/t gold, 0.34% copper and 0.99% zinc.

Table 1: Summary of Best Intervals from Tolegimja Drill Holes TLR-001 to TLR-009

Hole Number	From (m)	To (m)	Interval (m)*	Au (g/t)	Copper (%)	Zinc (%)
TLR-001	16	22	6	0.18	0.16	0.01
and	56	70	14	0.50	0.35	0.01
TLR-003	0	24	24	0.01	0.14	0.18
and	30	36	6	0.01	0.28	0.18
and	41	59	18	0.16	0.34	0.99
and	71	77	6	0.32	0.77	1.04
TLR-005	18	20	2	0.01	0.11	0.30
TLR-008	9	12	3	0.00	0.04	0.47
and	17	28	11	0.00	0.01	0.42
TLR-009	62	88	26	0.11	0.38	1.67
and	91	94	3	0.10	0.44	2.00

Note: At this early stage of exploration the true width of the mineralization is uncertain, but it is estimated to be 70 to 80% of reported intervals. Averages for intervals are calculated with a start value of equal or greater than 1,000 ppm Cu or equal or greater than 3,000 ppm zinc, all gold values included in interval regardless of value. A minimum thickness for an interval is equal to or greater than 2m with maximum internal dilution of equal to or less than 2m.

Michael Hopley, Alpha President & CEO said, "To intersect massive-and semi-massive sulphide mineralisation up to 26 meters wide in 2 separate drill holes in the first 9 drill holes at the Tolegimja Prospect is very encouraging. Now that we have confirmed the presence of VMS-style mineralization obviously, more drilling is warranted over this 2.7 km long prospect in the near future."

Tolegimja VMS Prospect

The Tolegimja prospect is a virgin discovery by Alpha geologists in the northeast of the Kerkasha Project approximately 50km south-southeast of the highly successful Bisha VMS copper-zinc-gold mine and was made during an initial property-wide soil geochemical survey. Prospect scale rock-chip, soil sampling and

detailed geological mapping indicate the prospect is a bimodal-mafic copper-zinc-gold VMS occurrence with high copper values at the surface located over the contact between felsic and mafic rocks.

A limited initial drill program of 9 reverse-circulation drill holes (TLR001 to TLR009) was completed at Tolegimja in February this year for a total of 1,862 meters- see Map 1. Massive and semi-massive sulphide mineralization was intersected in holes TLR-003 and TLR009.

An Induced Polarization (IP)-Resistivity geophysical survey completed in Q3 2021, identified a strong chargeability anomaly over a 2km strike length immediately beside and beneath anomalous copper-zinc values at surface and directly beneath a mapped rhyolite unit. Rhyolite is considered a prime host for bimodal-mafic copper-zinc-gold VMS mineralization in the Arabian-Nubian shield. The drill campaign only tested a small part of the chargeability anomaly, the surface copper and zinc values and the rhyolite with 2 shallow RC drill holes (TRL-001 and TRL-002) - see Map 1. These holes were only drilled to a maximum of about 125 m beneath the surface, not deep enough to fully test the chargeability anomaly that commences at around 55m depth and continues to well below 300m, the depth extent of the survey. A more complete drill campaign to depth over this 2km trend is warranted.

The drill holes TLR003 and TLR009 that intersected massive and semi massive mineralisation, were drilled 500m and 650m to the northeast of the 2km long chargeability/rhyolite/surface copper-zinc anomalies mentioned above and designed to test a gossanous outcrop extending over 100m x 100m with an associated chargeability anomaly. This indicates there could be VMS mineralisation along this whole 2.7km trend.

Further drilling at Tolegimja is planned soon.

Map 1

Tolegimja Geological Map with Drill Holes and IP Chargeability Anomaly

To view an enhanced version of this graphic, please visit:

https://orders.newsfilecorp.com/files/8361/126589_293584ecf45d6bb8_001full.jpg

Tolegimja VMS Prospect Cross-Section B-B¹

To view an enhanced version of this graphic, please visit:

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Notes

Sampling, Sub-sampling and Analysis

Geological consultants from RSC were responsible for the design of a strict QA/QC program consistent with industry best practice.

Drilling was by reverse circulation. Samples were split at the rig using a Metzke splitter, before being transported to a secure location for logging.

All samples were submitted to Nabro Laboratories Limited (Nabro), Asmara, Eritrea, for sample preparation. Samples were crushed (to 90% passing 2.8 mm) and pulverised (to 85% passing 75 µm). Two scoop samples were taken from the pulveriser bowl: approximately 120 g for laboratory analysis and approximately 100 g for portable X-ray fluorescence (pXRF) analysis. The coarse and pulp rejects were stored at a warehouse in Asmara. The Company inserted certified reference material from OREAS (www.ore.com.au) into the sample stream, while Nabro inserted barren granodiorite material into the sample stream as a blank.

Drill samples were shipped to ALS Geochemistry (ALS), Loughrea, Ireland, for analysis. ALS analyzed all

drill samples for gold by method Au-AA26 (50 g charge fire assay, AAS finish) and a multi-element suite by method ME-MS61 (Multi-element Ultra Trace method combining a four-acid digestion with ICP-MS instrumentation).

ALS is independent of the Company and its quality management systems framework is accredited to ISO/IEC 17025:2005 or certified to ISO 9001:2015 standards.

Table 2: Tolegimja Drill Collar Data

Prospect	Hole	Easting (UTM)	Northing (UTM)	RL	Depth (m)	Hole Type	Dip (°)	Azimuth (°)	Started	Completed
Tolegimja	TLR001	377073	1665625	987	210	RC	-60	315	26-01-2022	30-01-2022
Tolegimja	TLR002	376939	1665400	987	250	RC	-60	315	30-01-2022	01-02-2022
Tolegimja	TLR003	377431	1666445	997	240	RC	-55	135	02-02-2022	05-02-2022
Tolegimja	TLR004	376836	1665728	991	138	RC	-60	315	12-02-2022	13-02-2022
Tolegimja	TLR005	377409	1666476	977	210	RC	-60	135	14-02-2022	15-02-2022
Tolegimja	TLR006	377408	1666554	992	200	RC	-60	135	16-02-2022	17-02-2022
Tolegimja	TLR007	377407	1666546	991	198	RC	-55	315	18-02-2022	19-02-2022
Tolegimja	TLR008	377503	1666585	987	200	RC	-55	315	19-02-2022	20-02-2022
Tolegimja	TLR009	377501	1666583	990	216	RC	-55	135	21-02-2022	22-02-2022

About Alpha

Alpha is an exploration company listed on the TSX-V exchange under the symbol ALEX that has made 3 important discoveries in the past 2 years at it's 100% owned Kerkasha Project in Eritrea:

- Porphyry Copper-Gold: Anagulu Prospect
- Volcanogenic-Massive-Sulphide (VMS): Tolegimja Prospect.
- Orogenic Gold: Aburna Prospect

The company is managed by a group of highly experienced and successful professionals with many years of experience carrying out exploration and resource development programs in Eritrea and Sudan and is focused on the discovery of world class economic gold and base metals deposits in the highly prospective Arabian-Nubian shield, on either side of the Red Sea. Alpha currently holds a 100% interest in the large (771 km²) Kerkasha Exploration License in southwest Eritrea, located 135 km west-southwest of the capital city of Asmara. Since acquiring the property in January 2018, the company has spent approximately CAD\$13 million on exploration and identified 17 prospects of which six have been drilled to date.

For further information go to the Alpha webpage at www.alpha-exploration.com or contact:

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Qualified Person

All scientific and technical information in this press release, including the results of the Aburna drill program and how these results relate to the ongoing exploration at the Kerkasha Project has been reviewed, verified, and approved by Michael Hopley, President, Chief Executive Officer of Alpha and a "qualified person" for the purposes of national Instrument 43-101 - Standards of Disclosure for Mineral Projects.

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Certain statements and information herein, including all statements that are not historical facts, contain forward-looking statements and forward-looking information within the meaning of applicable securities laws. Such forward-looking statements or information include but are not limited to statements or information with respect to: future dataset interpretations, sampling, plans for its projects (including the Anagulu Prospect), surveys related to Alpha's assets, and the Company's drilling program. Often, but not always, forward-looking statements or information can be identified by the use of words such as "estimate", "project", "belief", "anticipate", "intend", "expect", "plan", "predict", "may" or "should" and the negative of these words or such variations thereon or comparable terminology are intended to identify forward-looking statements and information. With respect to forward-looking statements and information contained herein, Alpha has made numerous assumptions including among other things, assumptions about general business and economic conditions and the price of gold and other minerals. The foregoing list of assumptions is not exhaustive.

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