6 June 2024

FTL to Acquire York Harbour Copper-Zinc-Silver Project, Newfoundland, Canada

Highlights:

- **Binding Option Agreement executed for the acquisition of up to 80% of York Harbour Project via a staged earn-in (Acquisition).**
- **York Harbour is a Cyprus-style volcanogenic massive sulphide (VMS) exploration project, located 180km west-south-west of FireFly Metals Ltd (ASX:FFM) Green Bay Copper Project.**
- **Small scale historical underground production between 1898 and 1913 resulted in 100,000 tonnes mined at 3-12% Cu, 7% Zn and 1-3oz/t Ag.**
- **Only shallow exploration (<300m depth) completed, with historical exploration limited to two key areas, the old York Harbour mine and the Number 4 Pond target with multiple significant intercepts include:**
    - **29.0m at 5.25% Cu**, **9g/t Ag** from 147m (YH21-24 H Zone)
        - **Including 3.24m at 9.54% Cu, 3.5% Zn, 10g/t Ag** from 167.8m
    - **24.3m at 2.77% Cu 9.3% Zn, 18g/t Ag** from 93m (YH21-18 D Zone)
    - **22.56m at 4.34% Cu** from 68.88m (Y-8)
    - **24.54m at 2.14% Cu, 12.78% Zn** from 21.03m (LU133)
    - **14.88m at 3.08% Cu** from 30.88m (LU120)
    - **13.58m at 2.98% Cu, 7.23% Zn, 21g/t Ag** from 115.34m (YH22-61)
    - **6.8m at 6.34% Cu, 7.45% Zn from** 82.51m (4-48)
    - **8.97m at 4.73% Cu, 10.19% Zn, 23g/t Ag** from 124.13m (YH22-107)
    - **7.17m at 6.56% Cu from 42.21m (LU136)**
        - **Including 2.29m at 15.88% Cu** from 42.21m
    - **6.71m at 4.16% Cu, 10.5% Zn** from 76.2m (4-44)
    - **9.87m at 2.50% Cu, 14.41% Zn** from 22.22m (LU100)
    - **20.06m at 2.50% Cu, 6.33% Zn** from 107.9m (YH21-20)
    - **11.86m at 4.83% Cu, 5.57% Zn from** 18.04m (LU96)
    - **11.25m at 2.67% Cu, 9.12% Zn, 20g/t Ag** from 111.78m (YH22-82)
        - **Including 4m at 4.76% Cu, 2.17% Zn and 25g/t Ag** from 115.78m
    - **19.38m at 1.76% Cu, 12.46% Zn, 19g/t Ag** from 166.62m (YH21-22 H Zone)
        - **Including 7.14m at 2.39% Cu, 29.09% Zn and 47g/t Ag** from 166.62m
- **No property-wide Airborne EM survey ever flown across York Harbour, provides immediate potential for identifying similar VMS style-systems within the 47.25km^2 contiguous land package.**
- **In connection with the Acquisition, FTL proposes to raise approximately $1.57m (before costs) by way of a placement to strategic investors together with a non-renounceable entitlement issue to existing eligible shareholders.**

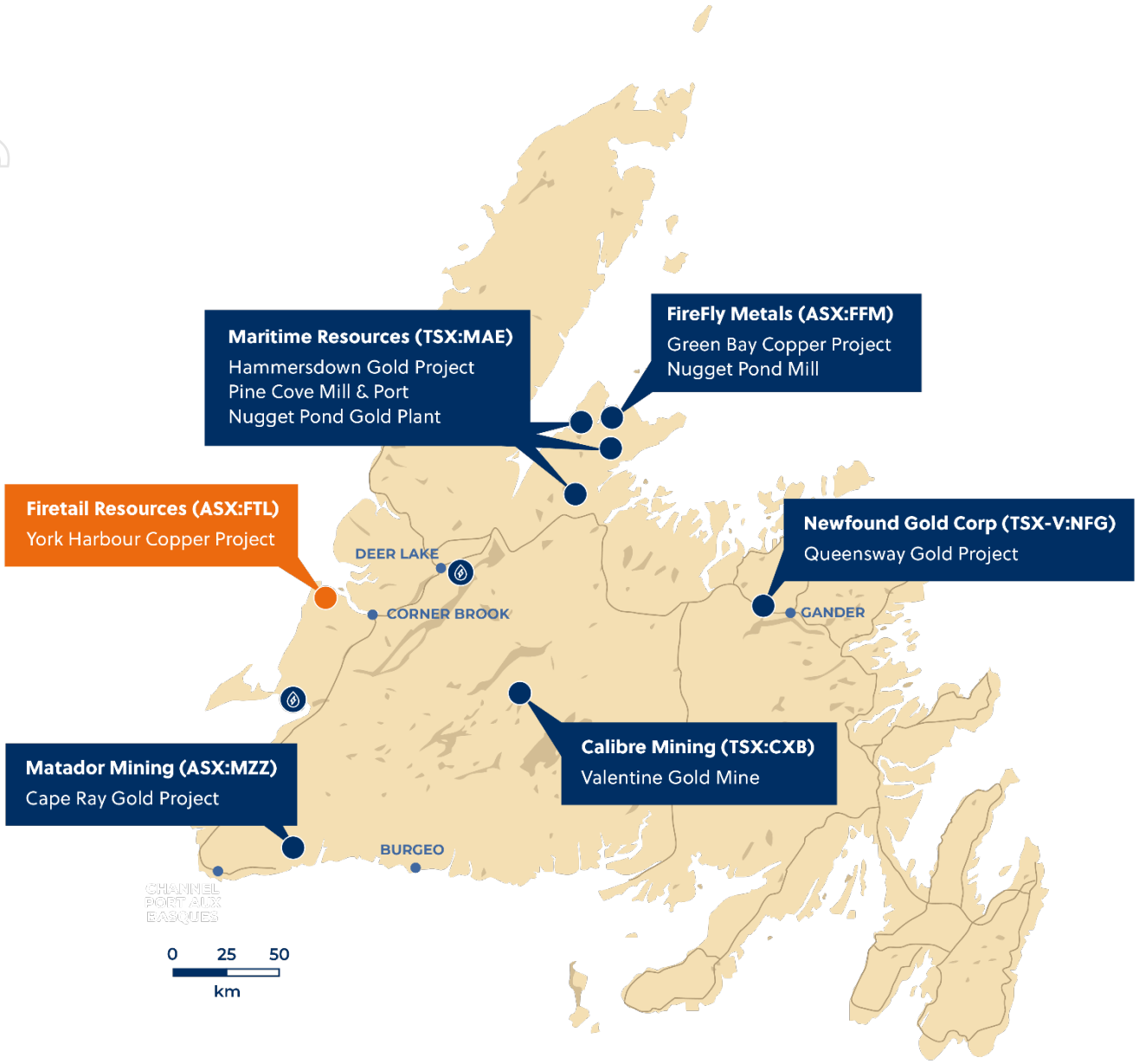

Figure 1: York Harbour Project Regional Location Plan, Newfoundland, Canada

Further to the above, Firetail Ownership has increased to 70% of the Picha and Charaque Copper Projects, through acquisition of Kiwanda S.A.C.

- **Picha Copper Project, Peru** (“**Picha**”): completion of maiden ~5,000m diamond drill (“**DD**”) program with assay results from the last holes still pending.
- Results included 13m @ 2.81% Cu and 27.1g/t Ag from 2m (cut-off 0.1% Cu), and 15.5m @ 0.72% Cu, 130g/t Ag 1.92% Pb and 0.16% Zn from 3.25m. Firetail confirmed the mineralised structure extends over 170m in strike length and is open in all directions.
- **Vesting Conditions for the Company’s acquisition of an additional 10% of the issued share capital of Kiwanda S.A.C. now satisfied with the Stage 1 Performance Milestone being achieved.**

Executive Chairman, Brett Grosvenor, commented:

"The Firetail Board began a strategic process over 12 months ago of identifying opportunities in a rising copper market. The culmination of this process is the acquisition of the York Harbour Project, which we believe provides an exceptional opportunity to create value for our shareholders.

"Our intention was to find strategic copper assets in world class locations, which would be complementary to our existing portfolio of battery metals projects. We see York Harbour ticking all of these boxes. This acquisition broadens our copper exposure to complement the early-stage copper project we are currently exploring in Peru.

"York Harbour presents an advanced brownfield opportunity in a proven district for copper mineralisation. The near-term potential to define a mineral resource and expand the footprint is clear from our due diligence, and our team is very excited to get on the ground and start the exploration program.

"In conjunction with the York Harbour acquisition, we have achieved a significant milestone at the Picha Copper Project. 5,000m of drilling has been safely executed without incident and the outcome of the drilling has met our expectations. To have grades of 2.8% Cu over a 13m down hole interval indicates the potential of this asset. We will now focus on the interpretation of the data, geological modelling and determine the best way to unlock the potential at Picha. The next phase of the program will be to take the learnings from the maiden drill program and use this to help plan the next phase of exploration work."

Non-Executive Director, Simon Lawson, commented:

"The York Harbour Project is located within Newfoundland, a district with a well-established mining industry, prolific metal endowment and a supportive community. The Project is located 180km west-south-west of the high-profile high-grade Green Bay Copper Project, currently under development by fellow ASX-listed Firefly Metals (ASX:FFM).

"The Project is an advanced high-grade copper-focussed opportunity for Firetail to get involved in at just the right time. The previous history of copper mining at the project and a number of existing significant copper-zinc-silver drill hits makes this a "walk-up" project of excellent exploration potential.

The historic drill intercepts are all shallow, high-grade, vary in width and most importantly are massive to disseminated base metal sulphides in just the right rocks! The previous drilling, limited surface outcrop mapping and historic mining information provides us with the basis of a targeting model to get on-ground and rapidly drill test the extents of existing high-grade copper mineralisation, as well as search for new massive sulphide positions and potentially make new discoveries!

"Incredibly the Project has not had a property-wide airborne electromagnetic ("EM") survey conducted to date. Typically massive sulphide, particularly copper projects like this, have already been extensively tested with EM and all of the priority targets drill-tested. This is not the case at York Harbour and represents a major opportunity for Firetail to be the first to conduct a modern high-resolution airborne EM survey. This EM survey will profile existing targets and aim to identify new targets across the property. Targets will be assessed and ranked based on their signature, size, position, and overall geological merit and be prioritised for rapid drill testing!

"This acquisition provides shareholders with exposure to drill-proven high-grade copper-zinc-silver mineralisation within a district of substantial base and precious metals mineralisation. This is an exciting advanced high-potential opportunity in a great jurisdiction, and we look forward to providing our shareholders with further exploration updates post completion of the transaction."

YORK HARBOUR PROJECT SUMMARY

The York Harbour Project is a Cyprus-type volcanogenic massive sulphide (**VMS**) copper exploration project covering 189 contiguous claims (~47km^2) of highly prospective geology, hosting the historic, high grade York Harbour Copper Mine. Discovered in 1897, with mining commencing the following year until 1913, the mine produced 100,000t of ore from 1.2km of UG Development with grades between 3-12% Cu, 7% Zn and 1-3oz/t Ag.

Located in Western Newfoundland, Newfoundland and Labrador, Canada, the area also hosts the FireFly Metals (ASX:FFM) Green Bay Copper Project and Little Deer Cu-Au Complex, Calibre Mining Corporation (TSX:CXB) Valentine Gold Project and Matador Mining (ASX:MZZ) Gold Development Projects.

VMS mineralisation on the York Harbour Mine Property tends to occur near the contact between hydrothermally altered pillow basalt (lower basalt) and an overlying unaltered upper basalt unit. The rocks in the York Harbour Mine area are folded into a broad syncline with a northerly trending axial surface. The York Harbour Cu-Zn-Ag mineralisation has been interpreted as Cyprus-type volcanogenic massive sulphides hosted in deep submarine mafic flows (Figure 2).

These deposits typically consist of concordant massive sulphide lenses overlying a cross-cutting zone of intense hydrothermal alteration and stockwork mineralisation. The target horizon appears at or near surface on both sides of the 1km wide syncline structure, resulting in approximately 16km of combined prospective strike length across the tenure.

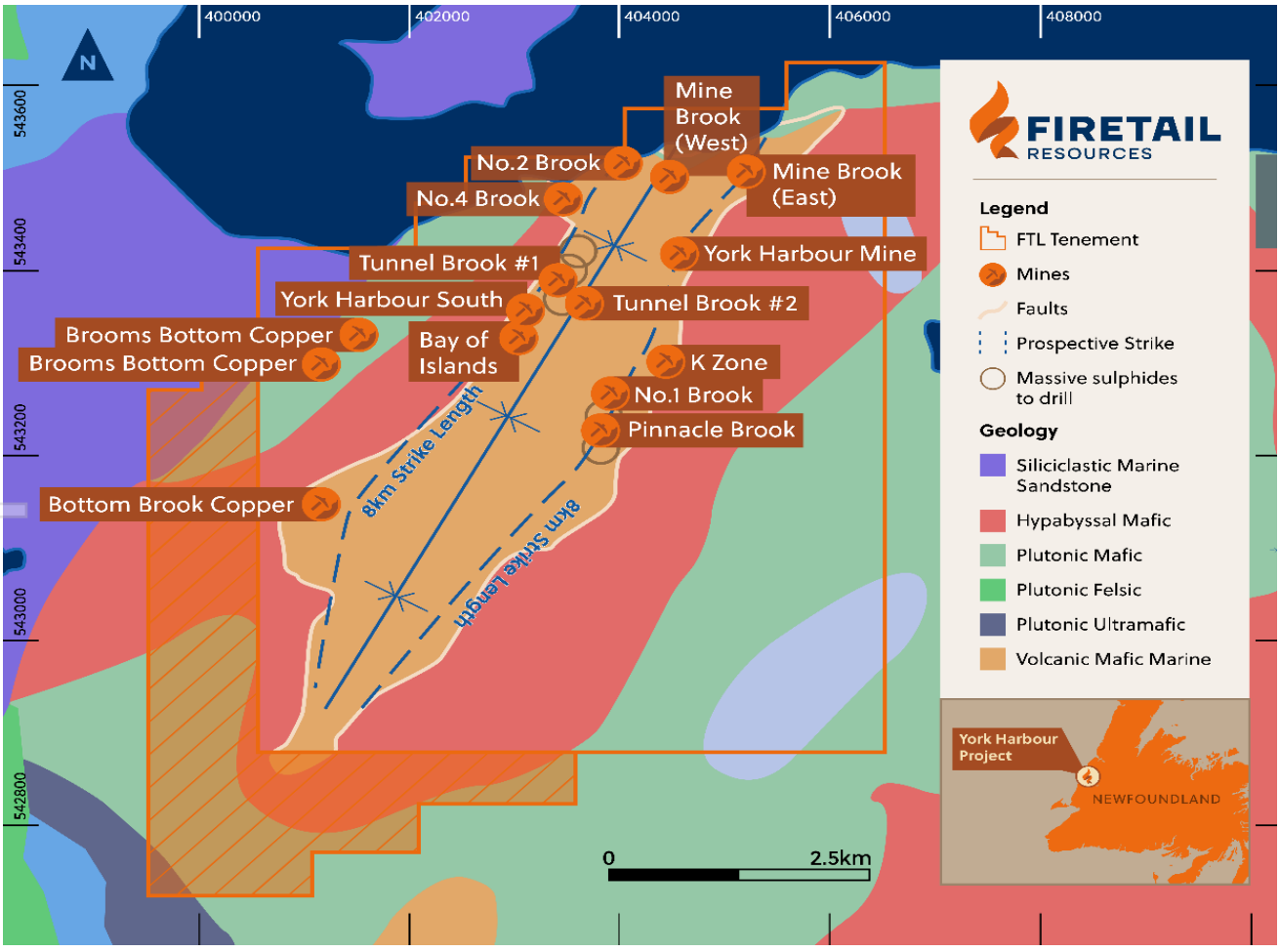

Figure 2: York Harbour Geology

Modern exploration drilling has been limited to shallow drilling around the historic workings and the No.4 Pond target, which have returned exceptional Copper intercepts with the extensive drill data for over 40,000m of surface and UG Diamond Drilling. Significant results include:

- **29.0m at 5.25% Cu**, **9g/t Ag** from 147m (YH21-24 H Zone)
  - **Including 3.24m at 9.54% Cu, 3.5% Zn, 10g/t Ag** from 167.8m
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  - **Including 7.14m at 2.39% Cu, 29.09% Zn and 47g/t Ag** from 166.62m

The above intercepts have been selected to demonstrate the prospectivity of the mineralisation intersected to date. Investors are cautioned that these select intercepts are not intended to be representative of all results taken from the deposits and should refer to the table at the end of this release (Appendix 2) for more detailed results.

Reconnaissance-stage prospecting and exploration work highlighting several target areas which warrant follow-up programs in additions to other targets on the property which are considered early stage and will require additional surface exploration efforts to better define possible drill targets.

Exploration potential across the remainder of the property is highly prospective with much of the prior geophysics completed restricted to small scale and ground-based approaches, and without the use of modern geophysics techniques and technology.

YORK HARBOUR PROJECT OVERVIEW

Location, Access & Infrastructure

The Project is located on the west coast of the province of Newfoundland and Labrador in Western Newfoundland on the south shore of the Bay of Islands. The Property is 27km west of the city of Corner Brook, which serves as a regional service centre for Western Newfoundland, 3km east of the village of York Harbour, and ~650km northwest of the provincial capital in St. John's.

The Property has excellent local infrastructure. Corner Brook is a regional centre for industry and government with established pulp and paper mills, regional hospital and health care facilities, a deep-water shipping port with container-handling facilities, and a population of approximately 20,000. Most field supplies, labour and heavy equipment can be readily obtained in York Harbour and Corner Brook.

The town of Deer Lake, located 95 km northeast of the Property, has an airport with connecting flights to most major Canadian centres. Amenities such as hotels, restaurants, airstrips, medical clinics, helicopter pads, fuel, groceries, and supplies are available in numerous small communities in the area, with more extensive services, including a fully staffed hospital, available in Corner Brook.

Access to the Property is excellent; Newfoundland Route 420 passes through the Property which allows for further access via an extensive network of abandoned logging roads. A skidder road leading to the old mine workings on the Property extends approximately 2.5km south of Route 450 to the Old York Harbour Mine area.

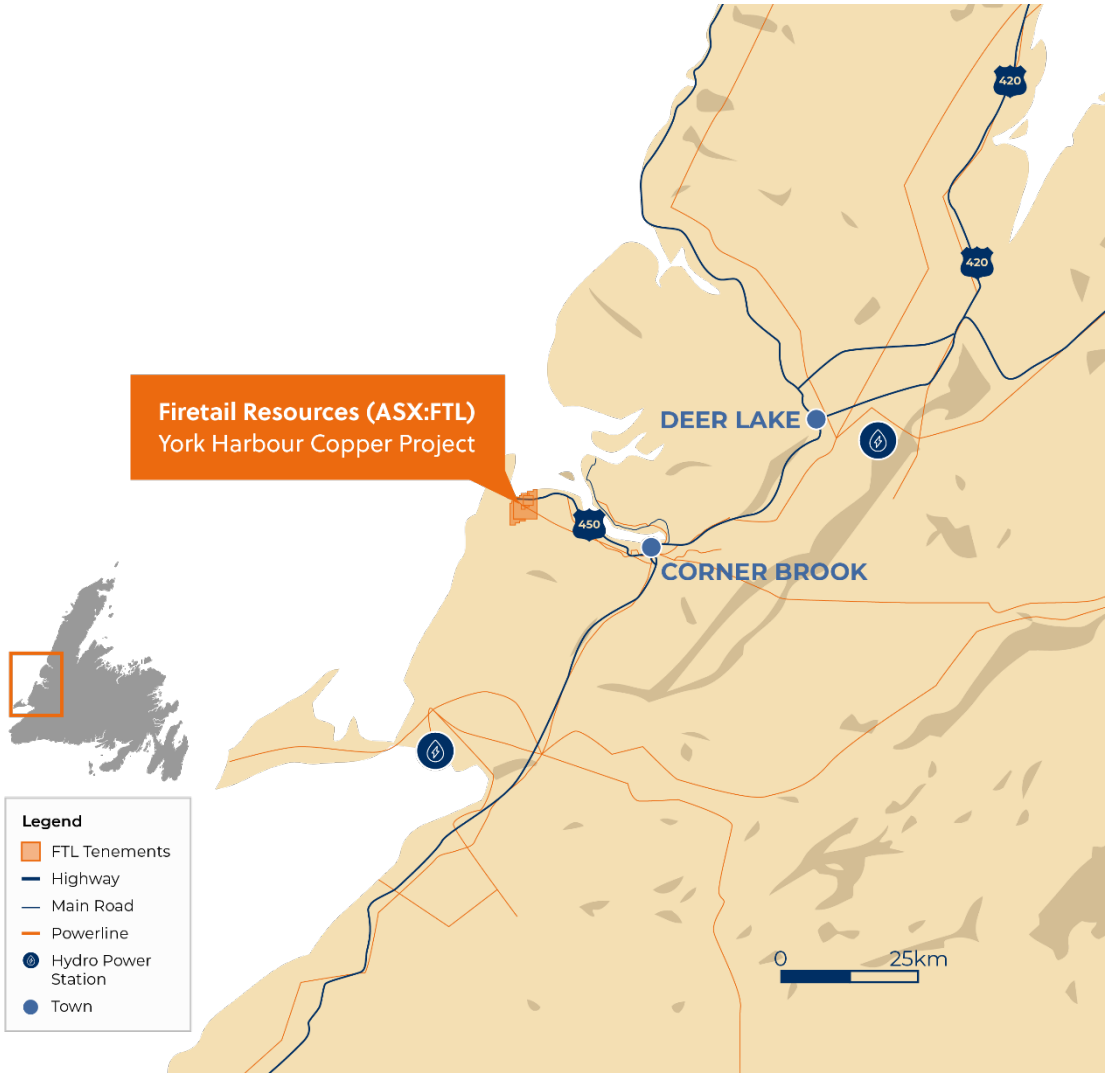

Figure 3: York Harbour Project location and surrounding infrastructure

Tenure

The Property consists of six Newfoundland and Labrador mineral licences comprised of 189 Newfoundland and Labrador mineral claims covering an area of approximately 4,725 hectares. A mineral licence is issued for a term of five years. However, a mineral licence may be renewed provided the required annual assessment work is completed and reported upon and renewal fees are paid by the required renewal date. Surface rights are not included with minerals rights in the province of Newfoundland and Labrador.

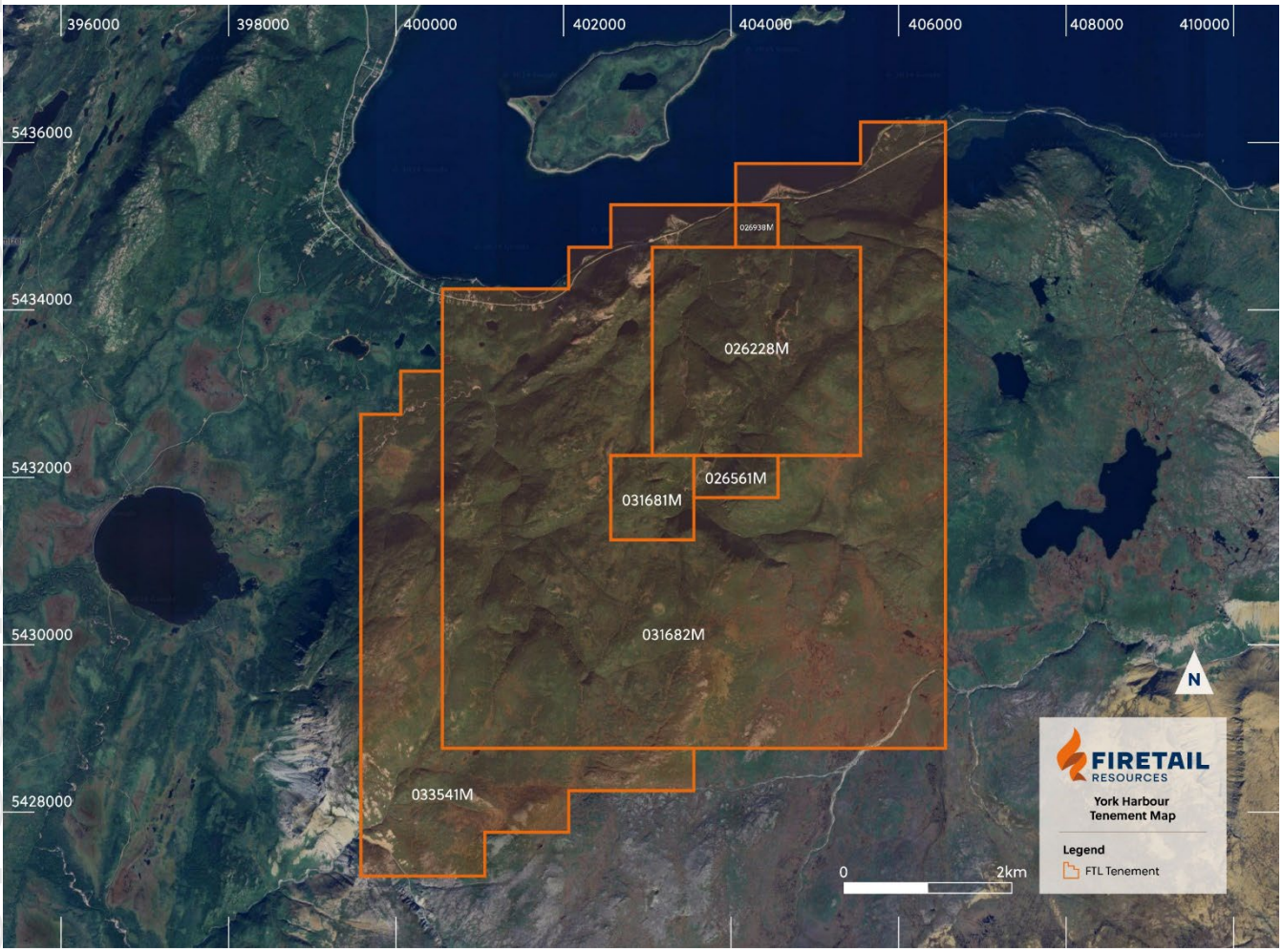

Figure 4: York Harbour Project Tenure Map

Regional Geology

The York Harbour Property lies within the Dunnage tectonic zone of the Appalachian geological province. The Bay of Islands-York Harbour area is underlain by the Lower Ordovician Bay of Islands Ophiolite Complex, which overlies sediments of the Humber Arm Supergroup which is divided from structurally lowest to highest into 1) Skinner Cove Formation, Fox Island Group and related volcanic rocks, 2) Old Man Cover Formation, 3) Little Fort Complex and related Mount Barren Complex, and 4) Bay of Islands Complex" (Newfoundland Mines and Resources, 2010).

Project Geology & Mineralisation

Metamorphosed sedimentary rocks of the Humber Arm Supergroup occur along the northern boundary of the Property. A major shallow southerly dipping thrust fault separates these rocks from the overlying obducted Bay of Islands Ophiolite Complex. Bay of Islands Ophiolite Complex serpentinised ultramafic rocks occur on the northwest side of the Property. A mixed assemblage of ophiolitic volcanic, pyroclastic, and sedimentary rocks of the Lower Ordovician Bay of Islands Ophiolite Complex underlie the remainder of the Property. These rocks are interpreted to form a north-northeast-trending recumbent synclinal feature throughout the Property with gabbroic and brecciated sheeted dykes forming the western and eastern sides of the Property. The axis of the syncline is interpreted to lie approximately 600 m west of the York Harbour mine area. The central part of the syncline consists of conformable and extrusive (flow) equivalents to the gabbroic dykes, mafic flows and pillow lavas with some pyroclastics, and minor sedimentary rocks. North-northeast-trending shears and fault zones cut and moderately displace the mafic volcanics in the mine area (Refer Figure 2).

Volcanogenic massive sulphide mineralisation is widespread in the ophiolitic rocks of central and western Newfoundland, including more than 175 showings, prospects, and 14 past-producing deposits. For a brief period in the late 1800s, production from ophiolite-hosted deposits, including the York Harbour mine, made Newfoundland the world's third-largest copper producer.

Volcanogenic mineralisation generally occurs at all stratigraphic levels within the ophiolitic complexes. Some major showings and former producing mines in Newfoundland occur geologically near the sheeted dyke – pillow lava contact with the most significant mineralisation confined to the pillow lavas.

The Bay of Islands Ophiolite Complex is host to approximately 50 early-stage copper prospects and showings, including copper-lode, quartz-vein deposits and the mafic-type VMS deposits, in addition to copper-zinc-silver-gold massive and disseminated sulphide mineralization in the York Harbour mine area.

The alteration and mineralisation within York Harbour is typical of VMS deposits in mafic-dominated settings (i.e., Cyprus-type systems), and the presence of both chlorite and chalcopyrite indicates that locally there was high temperature alteration (i.e., >300 °C). The presence of multiple sulphide horizons at different stratigraphic levels, and the hematite alteration plus local chlorite-pyrite mineralisation in the upper basalts, indicates that hydrothermal activity was ongoing during the deposition of the entire stratigraphic package, including the upper basalts above mineralisation.

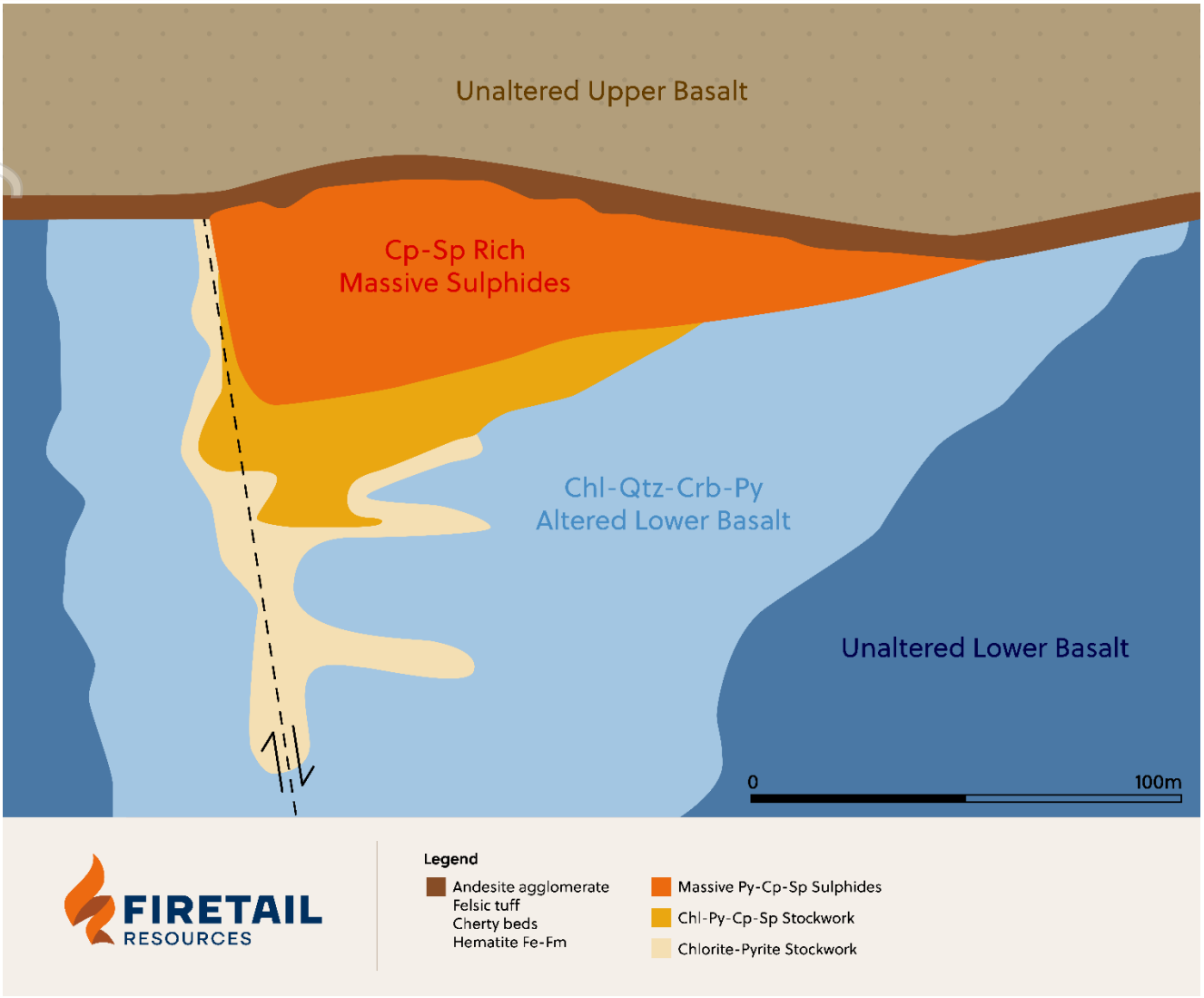

Figure 5: Idealised Cross Section of Geology and Mineralisation at York Harbour

Mineralisation at the York Harbour mine area consists of multiple, irregular horizons of massive and semi-massive pyrite, sphalerite, chalcopyrite with minor pyrrhotite and rare galena. Colloform textures are commonly preserved, and the lenses are commonly bounded by narrow hanging wall and footwall shear zones. The massive sulphide lenses are often brecciated and are underlain by a variably developed copper- to zinc-rich stringer zone typically associated with intense hydrothermal brecciation. Hanging wall contacts are often sharp with the overlying upper basalt unit containing less than 1% pyrite (Refer Figure 6).

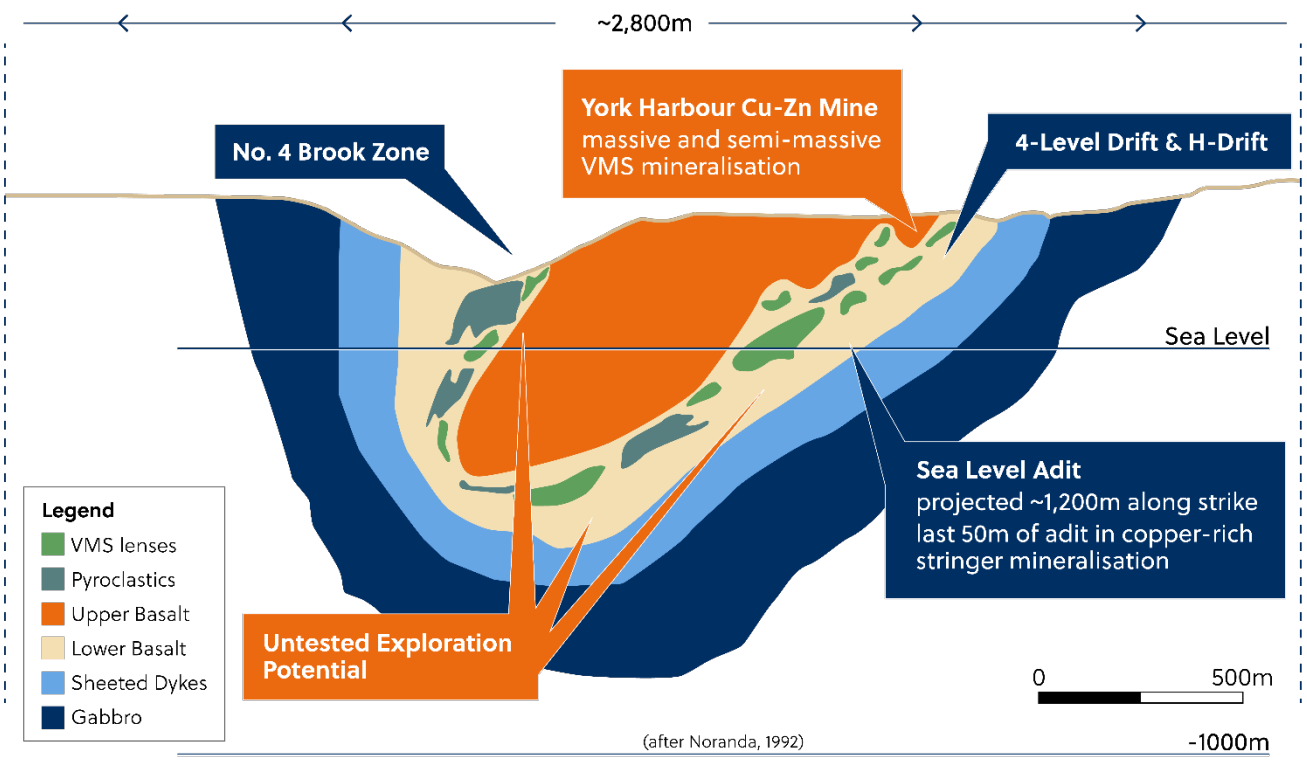

Figure 6: Interpreted Section- Mineralisation Model for York Harbour Project

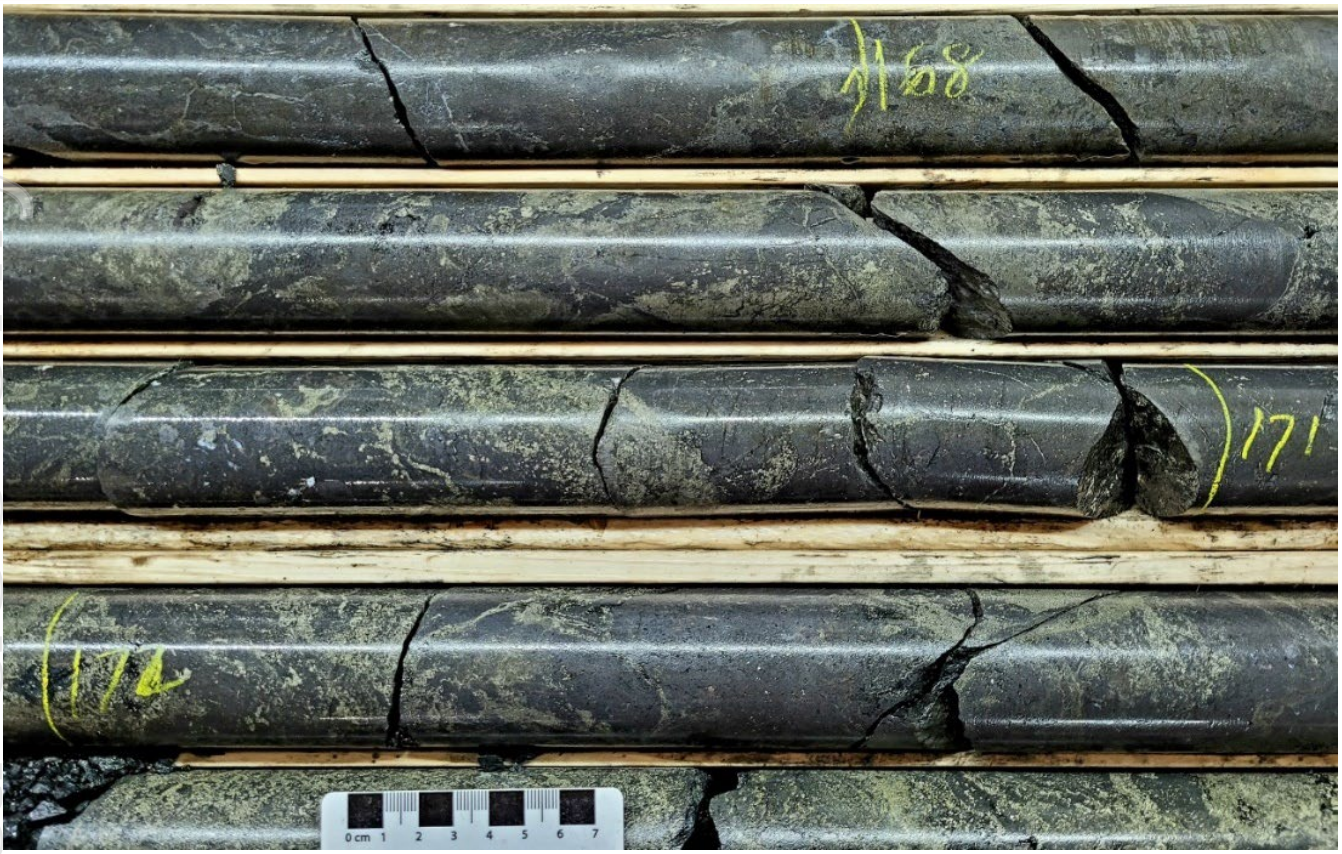

Figure 7: Close-up photo from 7.4 m-long VMS intersection in DDH YH21-22 from 166.6 to 174.00 m- Massive Chalcopyrite, Sphalerite and Pyrite Sulphide Mineralisation

There are eleven partially drill-tested VMS deposits, named A Zone through to K Zone, in the vicinity of the York Harbour mine area, and several more reported VMS showings elsewhere on the Property. Most of the historical mining and exploration drilling had only tested four of the known VMS Zones: A, B, D, and H. Past exploration work has shown that the favourable horizon for mineralisation can be traced for 300m north of the old mine site, at the end of the Sea Level adit, and for at least 1,800m south where massive sulphide mineralisation occurs at the Pinnacle Brook showing within the present-day property boundaries.

Surface and underground drilling has only been carried out within less than 350 m of this strike length and within 150 m below surface. The VMS mineralisation of the old mine area occurs near the lower basalt-upper basalt contact on the eastern limb of a north-northeasterly trending, slightly overturned, southerly closing recumbent synform. This same favourable horizon also occurs on the western limb of the syncline in the No. 4 Brook zone, where a 10 m wide zone with variable copper, zinc and silver values are hosted by a pyroclastic unit with chert-pyrite beds and hematite-jasper iron formation.

Previous Mining

Copper-zinc mineralisation was first discovered on the project in in 1893. Since 1897, a total of 2,134m of underground drifting and development have been completed at the York Harbour mine. Eleven “Zones” (A through to K) of copper-zinc-silver-gold (Cu-Zn-Ag±Au) massive sulphide mineralisation was discovered; a portion of the A Zone was developed between 1897 and 1913 and produced copper ore that was shipped directly to England or the United States during the period.

Part of the A Zone and the B to K Zones remain and have been accessed by underground drifting and development and tested by surface and underground drilling.

Figure 8: York Harbour "A" Zone Shaft and Mine Buildings (ca. 1899–1913)

Massive sulphide mineralisation was noted to occur along a 600m strike length. However, over 85% of the past exploration work (surface and underground drilling and development) was carried out in less than 350m of strike length and to 150m below surface.

The York Harbour mine operated between 1897 and 1913 and produced 100,000t of hand-sorted material grading between 3-12% Cu, 7% Zn and 1-3oz Ag from the A zone. The old workings consisted of four and six levels, of which only the main shaft reached all levels. The main shaft is inclined 70° east to the 45m (150') horizon, then at 78° east to the bottom at 114m (375). The six levels were established at depths of 20.4m (67), 38.7m (127'), 57m (187'), 67m (22 0'), 85.3m (280') and 103.6m (340). As of 1974, only the fourth and sixth levels were open, the others inaccessible due to caving.

Geophysics

To date no airborne EM survey (or other airborne geophysical survey for that matter) has been conducted across the Project. The opportunity exists to identify targets across the prospective 16km strike horizon for VMS which have not been identified or evaluated.

The two most useful ground geophysical surveys appear to be (i) a ground electromagnetic (EM-37) survey completed for Noranda in the early 1990's and (ii) and an induced polarization/resistivity survey completed for York Harbour Metals Inc. in 2022. The survey was carried out in 1990 by Quantech Consulting on behalf of Noranda Exploration Company with a total of 29.1 km of EM-37 geophysical surveying from four loops.

Some of the electromagnetic (EM) anomalies in the mine area that lie near the lower basalt to upper basalt contact probably correspond to the massive and semi-massive sulphide mineralisation in that area. Similar conductors occur along the lower basalt to upper basalt contact on the west side of the syncline.

Induced polarization (IP) and resistivity surveys were completed by Eastern Geophysics Ltd. in 2022. In the mine area, anomalous IP chargeability appears to correspond to both the area of the massive sulphide zones as well as to the footwall rocks lying to the east. The chargeability response in the footwall rocks may be due to stringer and disseminated sulphide mineralisation within a footwall alteration zone that formed as a result of hydrothermal fluid flow beneath the ancient seafloor.

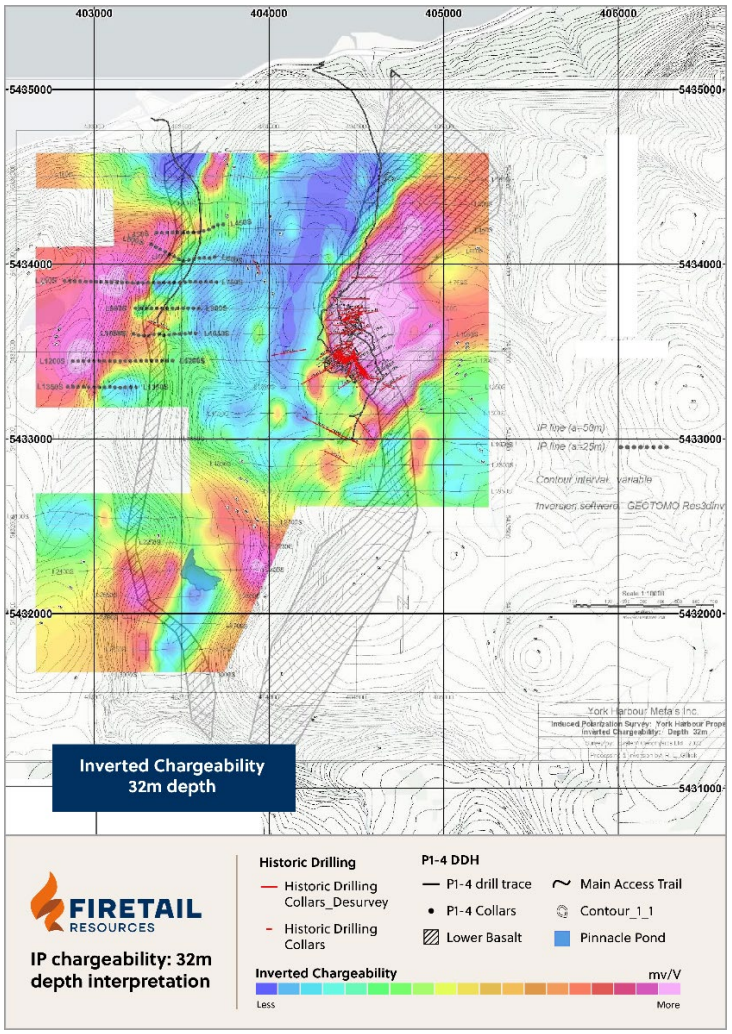

Figure 9: Inverted Chargeability Geophysics at 32m Depth

The footwall rocks (pillow basalts and gabbro) also tend to be much more resistive that the overlying (upper) non-pillow basalts in the mine area. However, an examination of the chargeability and resistivity maps together reveals that in the area of the known massive sulphide zones there is an interval where the chargeability is high, but the resistivity is low. This combination of high chargeability coupled with low resistivity is a predictable response to massive and semi-massive sulphide zones that are rich in chalcopyrite and pyrite (and should be considered for exploration targeting).

Drilling

From 1969 to 2004, 10,994.34m (210 holes) of underground and 8,235.25m (45 holes) of surface diamond drilling have been completed totalling 19,229.59m, and Messina Minerals Inc.(TSX-V:MMI) has located at least some documentation (Tallman, 2010).

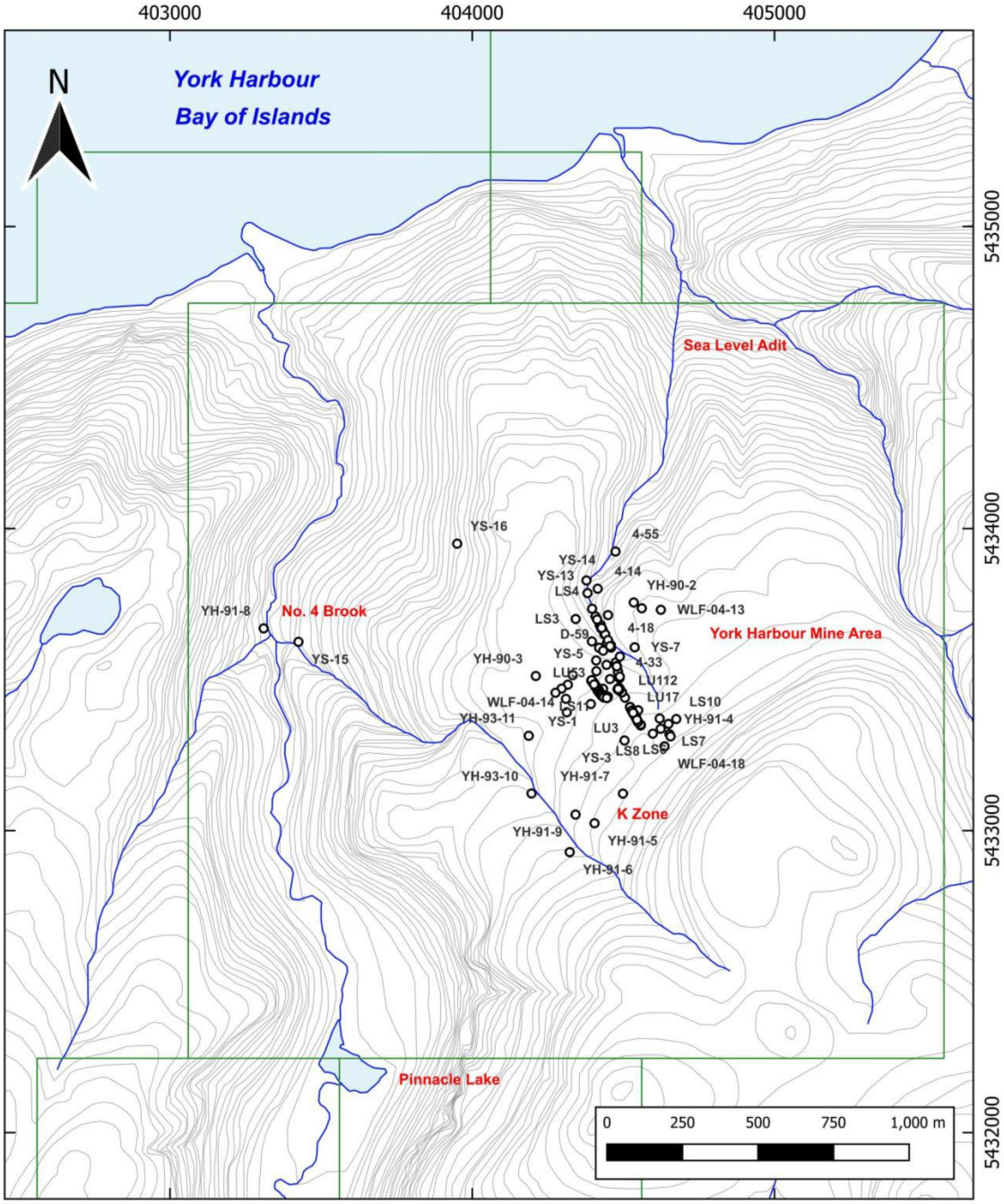

Figure 10: Drill Collar Plan for Drilling Prior to 2021

"From 1969 to 2004, 10,994.34m (210 holes) of underground and 8,235.25m (45 holes) of surface diamond drilling have been completed totalling 19,229.59m …." (van der Meer, 2022, p. 6-1).

During the three-year period from 2021 to 2023, Phoenix Gold Resources Corp. and York Harbour Metals Inc. completed 21,655m of diamond drilling in 122 holes on the York Harbour Property.

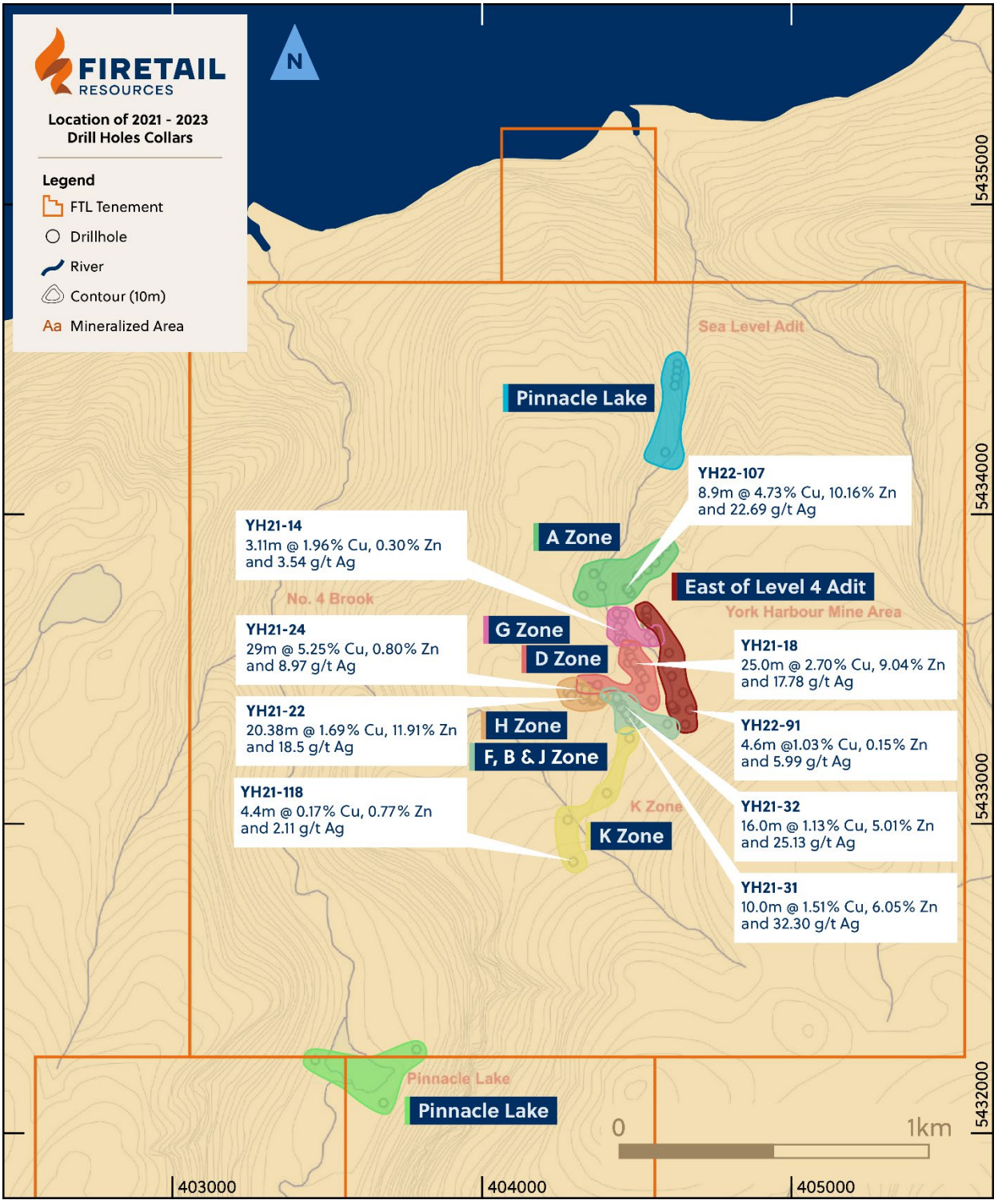

Figure 11: Drill Collar Plan for Drilling 2021-23

Significant results from drilling include:

- **29.0m at 5.25% Cu**, **9g/t Ag** from 147m (YH21-24 H Zone)
    - **Including 3.24m at 9.54% Cu, 3.5% Zn, 10g/t Ag** from 167.8m
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    - **Including 7.14m at 2.39% Cu, 29.09% Zn and 47g/t Ag** from 166.62m

YORK HARBOUR PROJECT FORWARD PLAN

The Company's initial focus will be to conduct a property–wide airborne EM survey. This is widely regarded as one of the primary exploration tools for VMS systems and has never been conducted outside the main mines immediate area, this will be followed up by property wide LiDAR survey.

Through completion of the property wide EM survey, targets will be geologically ranked, rapidly followed up by ground EM if required to refine the extent and geometry of the targets then drill tested.

Moving to the main mine, FTL's primary focus will be highlighting the potential discovery of new lenses of massive sulphides and targeting mineralisation at >300m. A detailed geological model based on the previous exploration drilling, underground mining and geophysical coverages will be developed. Drilling will target extensions to known mineralisation and downhole EM will be utilised where required to assist with defining the extensions to sulphide mineralisation.

Any successful intersections in the No. 4 Brook area would significantly add value to the project by suggesting the favourable ore horizon extends all the way westwards from the main mine area.

Further ground truthing of previously unknown No. 6 Brook showings could generate targets for future geophysics, trenching, and drilling. There has been virtually no modern exploration in this area and historic results appear to be very promising.

If significant mineralisation is found, this would require the generation of a new deposit model and there is a potential anticline or other models within the folding located around No. 4 Brook and the western limb located around No.6 Brook.

An alternate model for the case in which significant mineralisation is found in the No. 6 Brook area is that there is a second favourable ore horizon located between the gabbroic sheeted dyke unit and the lower basalt unit. This is typical of Cyprus-style VMS deposits with one example being the historic Betts Cove Mine located in the Baie Verte District NL.

COMMERCIAL TERMS

The Company has entered into a binding option agreement (**Option Agreement**) for the exclusive right to acquire up to an 80% interest in the York Harbour Project from York Harbour Metals Inc. via a staged-earn-in. The key commercial terms of the Option Agreement are as follows:

- (**Exclusivity Fee**): Payment of A$100,000 in cash, which has been paid by the Company as at the date of this announcement.

- (**Conditions**): The Option Agreement is subject to conditions precedent, including the following:
  - **Required consents and approvals**. The required consents and approvals shall have been obtained in form and substance satisfactory to the parties, acting reasonably.
  - **Shareholder approval**. The Company obtaining the approval of its shareholders under and for the purposes of (without limitation) Item 7 of section 611 of the *Corporations Act 2001* (Cth) (**Corporations Act**) to issue the Consideration Shares to York Harbour.
  - **Independent Expert's Report**. The Independent Expert provides a report to the Company that concludes that the issue of the Consideration Shares to York Harbour is fair and reasonable to non-associated shareholders and the Independent Expert not withdrawing or adversely modifying or qualifying that conclusion prior to the date of the General Meeting (defined below).
  - **Exchange approva**l. If approval is required in accordance with the policies of the TSXV or the ASX, the TSXV or the ASX, as applicable, shall have conditionally approved the disposition of the property by York Harbour, the purchase of the property by the Company, and the issuance of the Consideration Shares by the Company to York Harbour, subject only to compliance with the requirements of the TSXV and the ASX, as applicable.

- (**Earn-In**): The Company may earn up to an 80% interest in the York Harbour Project by, in respect of each stage below:
  - making payment of the relevant Cash Consideration;
  - issuing the relevant Consideration Shares; and
  - undertaking the relevant drilling commitment,

  within the timeframe specified in the table below.

Stage	Timing	Cash Consideration	Share Consideration ("Consideration Shares")	Exploration commitment	Interest earned
Stage 1	Within 5 days of completion under the Option Agreement under the Option Agreement	A$200,000	100,000,000 Shares	-	49%
Stage 2	Within 10 days of the date which is 12 months after completion under the Option Agreement	A$100,000	25,000,000 Shares	5km of drilling completed	11%
Stage 3	Within 10 days of the date which is 24 months after completion under the Option Agreement	A$100,000	25,000,000 Shares	7.5km of drilling completed	10%
Stage 4	Within 10 days of the date which is 36 months after completion under the Option Agreement	A$100,000	25,000,000 Shares	10km of drilling completed	10%

The issue of the Consideration Shares to York Harbour is conditional on the receipt of shareholder approval pursuant to item 7, section 611 of the Corporations Act to allow York Harbour to acquire a relevant interest in the Company exceeding 20%. The Company intends to hold a general meeting in or around August 2024 seeking shareholder approval for the issue of the Consideration Shares, among other things.

- (**Joint Venture**): the Company will enter into a joint venture upon the earlier of: (i) the termination of the Option Agreement; or (ii) upon the Company exercising the option in full and completing Stage 4 of the earn-in.

- (**Free-Carried**): Subject to the Company completing Stage 4 of the earn-in, York Harbour will retain a 20% free carried interest until the completion of a pre-feasibility study.

- (**Royalty**): Upon the Company completing Stage 1 of the earn-in, the Company has agreed to grant York Harbour a 2% net smelter returns royalty in respect of all ores, mineral resources and concentrates or metals derived from them, containing precious metals, base, industrial and other minerals and that are found in, on or under the project.

Separately, and in addition to the above, the Company has agreed to issue Private Equity Pty Ltd (or it nominees) up to 25,000,000 shares (**Advisor Shares**) and 25,000,000 options (**Advisor Options**) exercisable at $0.10 each and expiring 2.5 years from the date of issue as a finder/advisor fee for facilitating the Acquisition. In the event that the Advisor Shares and Advisor Options are not approved, Firetail will be required to pay the advisor fee in cash to an agreed value of $1,000,000. The Advisor Shares will be voluntarily escrowed for a period of 6 months from the date of issue. The Advisor Shares and Advisor Options will be subject to shareholder approval.

PLACEMENT & ENTITLEMENT OFFER

Firetail is pleased to announce that it has received firm commitments for a placement to raise approximately $973,000 (before costs) via the issue of a total of 24,325,000 shares to sophisticated investors at an issue price of $0.04 each (**Placement**).

Following completion of the Placement, the Company intends to undertake a non-renounceable entitlement offer to existing eligible shareholders to raise up to an additional $595,622 (before costs) at the same price as the Placement (**Entitlement Offer**), through the issue of one (1) share for every ten (10) shares held on the record date by eligible shareholders.

Proceeds from the capital raising are intended to be utilised for:

- EM geophysics across the York Harbour Project;
- Channel and geochemical sampling across the York Harbour Project;
- Ground activities including tracks and pads in preparation for and including the Company's maiden drill program at the York Harbour Project; and
- Working capital and costs of the capital raising.

708 Capital Pty Ltd are acting as lead manager and bookrunner with respect to the Placement and Entitlement Offer and will receive a 5% fee on the gross proceeds raised (**Lead Manager Fee**). The Lead Manager Fee be paid via the issue of 1,860,778 Company shares, subject to shareholder approval at the upcoming general meeting.

22,325,000 Placement shares will be issued pursuant to the Company's available placement capacity under Listing Rules 7.1. A further 2,000,000 Placement shares will be issued to the Company's executive chair Brett Grosvenor at an issue price of $0.04 each subject to shareholder approval pursuant to Listing Rule 10.11.

INDICATIVE TIMETABLE

The key dates in relation to the Acquisition are set out below:

Event	Date[1]
Announcement of the Placement, Entitlement Offer and Appendix 3B	Thursday, 6 June 2024
Lodgement of Prospectus	Thursday, 13 June 2024
Ex-date for Entitlement Offer	Monday, 17 June 2024
Record Date for determining Entitlements Settlement of Placement Shares	Tuesday, 18 June 2024
Issue Date of Placement Shares and Appendix 2A	Wednesday, 19 June 2024
Prospectus and Application Form made available to Eligible Shareholders Opening date for the Offers	Friday, 21 June 2024
Last day to extend the Closing Date of the Offers (other than the Shortfall Offer) Despatch of Notice of Meeting	Tuesday, 2 July 2024
Closing Date of the Offers (other than the Shortfall Offer) as at 5.00pm (AWST)	Friday, 5 July 2024
Shares under the Entitlement Offer and Top-Up Offer quoted on a deferred settlement basis	Monday, 8 July 2024
Issue date and lodgement of Appendix 2A with ASX applying for quotation of Shares issued under the Entitlement Offer	Friday, 12 July 2024
Quotation of Shares issued under the Entitlement Offer	Monday, 15 July 2024
General Meeting and Completion of Acquisition	Mid-August 2024
Issue of Shortfall Securities under Shortfall Offer (if any)	By no later than Monday, 7 October 2024

Notes:

1. The above dates are indicative only and subject to change.

Peruvian Projects (Picha and Charaque)

Stage 1 Performance Milestone

As announced on 5 July 2023, the Company executed a binding terms sheet ("**Terms Sheet**") with Valor Resources (ASX:VAL) (now Thunderbird Resources ASX:THB) to acquire up to 80% of the issued share capital of Kiwanda with Firetail acquiring an initial 60% interest in Kiwanda upon completion of the Terms Sheet with the ability to acquire a further 20% interest through the satisfaction of two distinct performance milestones set out below.

The **Stage 1 Performance Milestone** comprised either:

(a) the completion of a:

(i) minimum of 5,000m of diamond drilling at the Picha Project; and

(ii) mineralised intersection targets of at least:

A. 50m @ 1% Cu; or

B. 10m @ 2.5% Cu; or

(b) Firetail electing to proceed with a further 3,000m diamond drilling campaign at the Picha Project.

The Company has satisfied the Stage 1 Performance Milestone though the successful completion of a minimum 5,000m diamond drilling campaign at the Picha Project and achieving mineralised intersection targets of over 10m at 2.5% Cu, with the best intercept comprising 2.81% over 13m.

Following the satisfaction of the Stage 1 Performance Milestone:

a) Firetail will now acquire an additional 10% interest in Kiwanda to bring its shareholding interest in Kiwanda and, in turn, the Picha and Charaque Projects to 70%; and

b) 14,749 ,000 performance rights issued to various stakeholders, including Valor, will now vest and may be exercised by the respective holders into fully paid ordinary shares in Firetail in accordance with terms previously approved by Firetail shareholders at general meetings.

Firetail may acquire an additional 10% interest in Kiwanda (i.e. up to 80%) through the satisfaction of the **Stage 2 Performance Milestone**, which comprises of either:

a) the completion of a:

(i) further 3,000m of diamond drilling at the Picha Project; and

(ii) two (2) mineralised intersection with the same results as one (or both) of the mineralised intersection targets for the Stage 1 Performance Milestone set out above; or

b) Firetail continuing to drill past the aggregate 8,000m diamond drilling target at the Picha Project.

The Company will now review the geological data it has obtained from the initial 5,000m diamond drilling campaign at the Picha Project to determine the exploration program for further drilling and will keep its shareholders informed once the exploration programs are confirmed with all relevant stakeholders.

If you have any questions about the information provided in this announcement, please contact the Company on +61 8 9322 2338.

This announcement has been authorised for release on ASX by the Company's Board of Directors.

For more information contact:

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Competent Person Statement

The information in this announcement that relates to the Exploration Results for York Harbour Project is based on information compiled and fairly represented by Mr Robert Jewson, who is a Member of the Australian Institute of Geoscientists and consultant to Firetail Resources Ltd. Mr Jewson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he has undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Jewson consents to the inclusion in this report of the matters based on this information in the form and context in which it appears. Mr Jewson is a shareholder of Firetail Resources Ltd.

About Firetail Resources

Firetail Resources (ASX:FTL) is a battery minerals company with an exciting project portfolio with exposure to multiple battery mineral commodities at its well-located Western Australian and Queensland projects. The projects range from early exploration stage at the Paterson and Yalgoo-Dalgaranga Projects through to advanced exploration-early resource stage at the Mt Slopeaway Project.

Firetail is also exploring in Peru, with a binding agreement for the acquisition of up to 80% of the of the issued share capital of Kiwanda, a wholly owned subsidiary of Thunderbird Resources Ltd (ASX:THB) that holds mining concessions comprising the Picha Copper Silver Project and Charaque Copper Projects in Peru. Picha is an exciting copper-silver project with multiple drill-ready targets to be tested in coming months; and Charaque hosts a farm-in deal completed with leading global mining company, Barrick Gold Corporation.

With a portfolio of highly prospective assets plus the experience of a strong technical team, the Company is well positioned to rapidly explore and develop its battery mineral projects and become a significant contributor to the green energy revolution.

Forward-looking statements

This announcement may contain certain “forward-looking statements”. Forward looking statements can generally be identified by the use of forward-looking words such as, “expect”, “should”, “could”, “may”, “predict”, “plan”, “will”, “believe”, “forecast”, “estimate”, “target” and other similar expressions. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Forward-looking statements, opinions and estimates provided in this presentation are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance.

APPENDIX 1:

Table 1: Tenement Schedule

License No.	No. of Claims		Current Holder	Area (ha)	Effective Date	Renewal Date	Report Due Date	NTS Sheet	Work Reports Submitted
031681M	4		R. Keats*	100	2020-12-14	2025-12-14	2025-12-14	12G-01	Yr-1, Yr-2
031682M	124		91306 NL Inc.	3100	2020-12-14	2025-12-14	2025-02-12	12G-01	Yr-1, Yr-2
026938M	1		91306 NL Inc.	25	2019-03-07	2029-03-07	2025-05-06	12G-01	Yr-1, Yr-4
026561M	2		91306 NL Inc.	50	2018-11-12	2028-11-13	2025-01-13	12G-01	Yr-1, Yr-3, Yr-4, Yr-5
026228M	25		91306 NL Inc.	625	2018-08-02	2028-08-02	2024-10-01	12G-01	Yr-1, Yr-2, Yr-3, Yr-4
033541M	33		91306 NL Inc.	825	2021-10-19	2026-10-29	2024-12-30	12G-01	Yr-1, Yr-2

*031661M is in the process of being transferred to York Harbour.
91306 NL Inc. is a predecessor in name to York Harbour.

APPENDIX 2: DRILL COLLARS AND SIGNIFICANT INTERCEPTS

Table 2: Drill Results prior to 2021

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
4-1	404488	5433467	253.9	153.62	142	0	No Assay Information Available				
4-10	404488	5433467	254.5	85.95	156	40	No Assay Information Available				
4-11	404424	5433681	251.2	107.3	45	0	No Assay Information Available				
4-12	404488	5433467	253.9	121.9	170	0	No Assay Information Available				
4-13	404482	5433526	253	101.19	261	0	No Assay Information Available				
4-14	404415	5433801	250.9	157.89	90	0	No Assay Information Available				
4-15	404488	5433467	253.9	152.4	148	0	No Assay Information Available				
4-16	404485	5433511	255.7	83.82	180	40	No Assay Information Available				
4-17	404488	5433467	254.2	119.18	148	11	No Assay Information Available				
4-18	404458	5433614	251.8	91.44	84	-16	No Assay Information Available				
4-19	404458	5433614	252.4	77.42	84	16	No Assay Information Available				
4-2	404425	5433680	251.2	121.92	98	0	No Assay Information Available				
4-20	404487	5433505	255.7	83.52	170	30	No Assay Information Available				
4-21	404458	5433614	252.7	45.72	84	35	No Assay Information Available				
4-22	404488	5433467	253.6	121.92	148	-11	No Assay Information Available				
4-23	404487	5433509	254.5	99.06	161	28	No Assay Information Available				
4-24	404425	5433680	251.2	99.06	80	0	No Assay Information Available				
4-25	404481	5433468	253	111.25	264	-14	No Assay Information Available				
4-26	404424	5433681	251.2	131.06	56	0	No Assay Information Available				
4-27	404431	5433666	251.2	106.68	90	-14	No Assay Information Available				
4-28	404489	5433467	256	52.12	90	57	No Assay Information Available				
4-29	404424	5433681	251.2	110.34	74	0	No Assay Information Available				
4-3	404484	5433465	253.9	61.26	221	0	No Assay Information Available				
4-30	404431	5433666	251.2	92.96	90	15	No Assay Information Available				
4-31	404424	5433681	251.5	106.68	74	10	No Assay Information Available				
4-32	404481	5433468	253.6	91.44	254	0	No Assay Information Available				
4-33	404475	5433557	252.7	45.72	270	0	No Assay Information Available				
4-34	404425	5433680	251.5	118.57	67	10	No Assay Information Available				
4-35	404482	5433467	253.3	81.38	245	-15	No Assay Information Available				
4-36	404479	5433542	252.7	45.72	270	0	No Assay Information Available				
4-37	404424	5433681	250.9	142.34	67	-10	No Assay Information Available				
4-38	404482	5433467	253.9	57.91	230	0	No Assay Information Available				
4-39	404484	5433466	253	112.17	270	-10	No Assay Information Available				
4-4	404408	5433709	250.9	16.46	87	0	No Assay Information Available				
4-40	404484	5433466	253.6	83.82	270	10	No Assay Information Available				
4-41	404422	5433680	251.2	90.83	270	0	No Assay Information Available				
4-42	404488	5433467	253.6	128.32	153	0	No Assay Information Available				
4-43	404424	5433681	250.9	76.2	67	-26	No Assay Information Available				
4-44	404488	5433466	253.6	121.3	145	0	76.2	82.91	6.71	4.16	10.5
4-45	404425	5433680	250.9	87.48	81	-17	No Assay Information Available				
4-46	404487	5433505	254.2	88.39	170	21	No Assay Information Available				
4-47	404483	5433471	253.3	28.35	270	-12	No Assay Information Available				

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
4-48	404483	5433471	253.3	138.68	275	-12	82.51	89.31	6.8	6.34	7.45
4-49	404437	5433651	251.5	68.58	270	0	No Assay Information Available				
4-5	404481	5433468	255.1	58.22	245	30	No Assay Information Available				
4-50	404482	5433526	253	49.07	261	-20	No Assay Information Available				
4-51	404482	5433526	253.3	54.25	260	16	No Assay Information Available				
4-52	404483	5433467	253.3	121.92	276	-25	No Assay Information Available				
4-53	404437	5433651	250.9	39.01	270	-50	No Assay Information Available				
4-54	404488	5433467	254.2	119.79	141	10	No Assay Information Available				
4-55	404474	5433924	249.6	147.22	90	0	No Assay Information Available				
4-6	404413	5433699	250.9	9.14	64	0	No Assay Information Available				
4-7	404458	5433614	251.8	121.92	76	0	No Assay Information Available				
4-8	404483	5433471	253.9	46.33	315	0	No Assay Information Available				
4-9	404488	5433467	253.9	99.06	158	0	No Assay Information Available				
D-46	404485	5433465	253.6	131.06	200	0	No Assay Information Available				
D-59	404440	5433650	251.5	91.44	59	0	No Assay Information Available				
D-67	404459	5433606	252.1	120.09	268	0	No Assay Information Available				
LS1	404419.7	5433605	343.37	122.2	57	-75	No Assay Information Available				
LS10	404675	5433370	384.35	123.14	0	-90	No Assay Information Available				
LS11	404432.7	5433470	363.45	145.08	0	-90	No Assay Information Available				
LS12	404448.8	5433444	367.35	139.6	0	-90	No Assay Information Available				
LS13	404549	5433399	377.35	131.67	0	-90	No Assay Information Available				
LS2	404445.6	5433622	338.4	185.32	60	-75	No Assay Information Available				
LS3	404342.2	5433701	338.6	122.2	60	-75	No Assay Information Available				
LS4	404396.5	5433735	314.8	29.6	0	-90	No Assay Information Available				
LS5	404652.4	5433319	387.8	124.66	0	-90	No Assay Information Available				
LS6	404623.3	5433337	384.75	95.09	0	-90	No Assay Information Available				
LS7	404649.2	5433353	384.35	111.2	0	-90	No Assay Information Available				
LS8	404597.5	5433321	388.5	123.4	0	-90	No Assay Information Available				
LS9	404620.1	5433371	382.15	147.5	0	-90	No Assay Information Available				
LU1	404528	5433397	254.9	15.24	90	0	0	1.98	1.98	1.167	16.9
LU10	404532	5433390	256.35	15.24	90	45	0	3.84	3.84	1.40	14.7
LU100	404404	5433484	254.2	45.72	238	-67	22.22	32.09	9.87	2.50	14.4
LU101	404405	5433485	254.2	37.49	58	-67	No Significant Intercepts				
LU102	404405	5433485	256.3	30.48	58	45	No Assay Information Available				
LU103	404399	5433490	256.95	19.51	238	45	No Significant Intercepts				
LU104	404557	5433348	255.23	45.72	115	0	No Significant Intercepts				
LU105	404401	5433491	256.95	30.48	58	45	No Significant Intercepts				
LU106	404401	5433491	255.58	15.24	58	0	No Significant Intercepts				
LU107	404401	5433491	254.21	45.72	58	-45	No Significant Intercepts				
LU108	404558	5433349	255.23	79.86	95	0	No Significant Intercepts				
LU109	404400	5433491	254.21	38.7	0	-90	18.65	20.79	2.14	4.43	9.37
							34.35	38.7	4.35	2.10	15.75
LU11	404532	5433390	256.35	15.24	0	90	0	12.56	12.56	1.52	5.41
LU110	404535.8	5433385	256.3	33.53	302	67	5.79	13.41	7.62	1.27	17.15

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
LU111	404557	5433351	255.23	35.36	60	0	No Assay Information Available				
LU112	404505.3	5433440	255.47	31.7	50	67	4.57	9.39	4.82	1.75	17.20
LU113	404495	5433458	255.13	45.72	240	45	27.49	31.24	3.75	1.41	1.44
LU114	404495	5433458	255.13	60.96	240	70	31.39	38.86	6.4	1.01	1.47
LU115	404495	5433458	255.13	60.96	0	90	0	2.13	2.13	2.25	0.11
LU116	404495	5433458	255.13	60.96	60	60	No Assay Information Available				
LU117	404486	5433473	255.29	91.44	60	60	64.43	77.72	3.99	0.95	0.08
LU118	404486	5433473	255.29	60.96	0	90	35.48	45.72	3.53	1.50	0.06
LU119	404428	5433671	253.1	106.68	60	20	No Assay Information Available				
LU12	404532	5433390	256.35	18.59	238	45	0	5.79	5.79	2.19	6.40
LU120	404449	5433631	253.6	50.9			30.88	46.12	14.88	3.08	1.09
LU121	404541	5433376	256.7	7.62	60	27	No Assay Information Available				
LU125	404541	5433376	256.7	182.88	238	25	No Assay Information Available				
LU126	404401	5433491	254.21	51.82			11.64	12.95	1.31	4.65	6.6
LU127	404399	5433490	254.18	53.04			24.38	38.71	14.33	2.31	7.83
LU128	404399	5433490	254.21	45.72	238	-60	29.57	39.01	9.44	2.08	8.50
LU129	404400	5433491	254.21	30.48			14.39	17.98	3.59	5.09	6.76
LU129A	404400	5433491	254.21	26.82			No Assay Information Available				
LU13	404532	5433390	255	18.9	238	0	0	7.07	7.07	1.99	3.42
LU130	404399	5433490	254.21	52.43	238	-45	No Assay Information Available				
LU131	404394	5433496	254.21	45.72	238	-45	No Significant Intercepts				
LU132	404395	5433496	254.21	45.72	238	-70	No Assay Information Available				
LU133	404396	5433496	254.21	47.55			21.03	45.57	24.54	2.14	12.78
LU134	404396	5433497	254.21	40.23	58	-45	No Assay Information Available				
LU135	404396	5433497	254.21	45.72	58	-70	14.84	20.63	5.79	5.69	6.83
LU136	404412	5433471	253.74	49.38	0	-90	42.21	49.38	7.17	6.56	0.18
							42.21	44.5	2.29	15.88	0.41
LU137	404394	5433497	254.2	54.86	320	-80	No Significant Intercepts				
LU138	404419	5433461	253.8	48.16	150	-20	No Assay Information Available				
LU139	404396	5433498	254.2	57.91	345	-80	22.98	30.18	7.2	4.50	7.11
LU14	404532	5433390	253.65	16.15	238	-45	0	1.68	1.68	2.6	7
LU140	404395	5433498	254.2	53.34	325	-80	No Assay Information Available				
LU15	404532	5433390	253.65	15.24	0	-90	No Assay Information Available				
LU16	404532	5433390	253.65	15.24	90	-45	No Significant Intercepts				
LU17	404535	5433385	255.05	15.24	58	0	No Significant Intercepts				
LU18	404535	5433385	256.4	14.33	0	90	4.08	11.13	6.9	1.98	5.67
LU19	404535	5433385	256.4	17.37	59	45	No Significant Intercepts				
LU2	404528	5433397	256.25	15.24	90	45	0	2.32	2.32	1.16	7.399569
LU20	404535	5433385	256.4	15.24	238	45	4.24	9.14	4.9	1.37	9.13
LU21	404535	5433385	255.05	16.46	238	0	9.54	13.14	3.6	4.97	2.76
LU22	404535	5433385	253.7	18.9	238	-20	No Significant Intercepts				
LU23	404539	5433379	255.15	17.07	58	0	No Significant Intercepts				
LU24	404539	5433379	256.5	15.24	58	45	11.37	14.2	2.83	1.24	0.93
LU25	404539	5433379	256.5	18.9	0	90	5.76	8.53	2.77	1.43	5.30

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
LU26	404539	5433379	256.5	19.2	238	45	7.86	10.06	2.2	2.25	7.66
LU27	404539	5433379	255.15	18.29	238	0	No Significant Intercepts				
LU28	404542	5433373	255.19	15.24	58	0	No Assay Information Available				
LU29	404542	5433373	256.54	18.59	58	45	No Assay Information Available				
LU3	404528	5433397	256.25	15.24	0	90	2.9	4.36	1.46	1.04	2.44
LU30	404542	5433373	256.54	16.46	0	90	No Assay Information Available				
LU32	404542	5433373	255.19	8.53	238	0	No Assay Information Available				
LU33	404548	5433360	255.35	13.72	58	0	0	3.08	3.08	2.298442	4.20
LU34	404548	5433360	256.7	15.24	58	45	No Assay Information Available				
LU35	404548	5433360	256.7	15.24	0	90	No Assay Information Available				
LU36	404548	5433360	254	15.24	58	-45	No Assay Information Available				
LU37	404548	5433360	255.35	15.24	238	0	No Assay Information Available				
LU38	404545	5433367	255.32	15.24	58	0	No Assay Information Available				
LU39	404525	5433403	254.84	15.24	58	0	No Assay Information Available				
LU4	404528	5433397	256.25	16.46	270	45	1.22	3.44	2.22	1.09	3.78
LU40	404525	5433403	254.84	15.24	238	0	No Assay Information Available				
LU41	404525	5433403	253.49	15.24	238	-45	No Assay Information Available				
LU42	404522	5433409	254.72	15.24	0	58	No Significant Intercepts				
LU43	404525	5433403	253.49	15.24	58	-45	No Significant Intercepts				
LU44	404525	5433403	253.49	16.46	238	-69	4.11	7.16	3.05	1.23	3.53
LU45	404525	5433403	253.49	16.15	58	-71	No Assay Information Available				
LU46	404522	5433409	253.37	19.51	238	-80	7.32	8.17	0.85	1.43	0.75
LU46A	404522	5433409	254.72	15.24			0	2.44	1.46	1.25	19.73
							7.07	8.9	1.83	1.75	4
							10.79	11.28	0.49	1.8	13.3
LU47	404522	5433409	253.37	15.24	58	-80	No Assay Information Available				
LU48	404415	5433464	255.07	15.24	238	0	0	2.29	2.29	5.30	20.25
LU49	404415	5433464	256.44	15.24	238	45	0	2.44	2.44	2.07	24.07
LU5	404528	5433397	254.9	15.24			No Significant Intercepts				
LU50	404416	5433465	256.44	15.24			0	3.26	3.26	1.80	13.66
							5.06	6.86	1.8	1.11	39.80
LU51	404418	5433466	256.44	18.29	58	45	1.52	3.05	1.53	0.84	11.6
							10.55	13.59	3.04	1.64	0.075
LU52	404418	5433466	255.07	16.46	59	0	6.1	8.78	2.68	1.8	4.52
LU53	404418	5433466	253.7	15.24	58	-45	10.67	12.31	1.64	1.76	0.16
LU54	404416	5433464	253.7	15.24	0	-90	0.61	4.24	3.63	2.07	21.32
LU55	404415	5433464	253.7	15.24	238	-45	No Significant Intercepts				
LU56	404419	5433458	255.07	15.24	238	0	0	3.54	3.54	2.13	16.20
LU57	404419	5433458	256.44	15.24	238	45	No Assay Information Available				
LU59	404420	5433462	256.44	15.24	58	45	0	5.33	3.81	2.13	16.40
							8.38	9.91	1.53	1.2	0.1
LU6	404528	5433397	253.55	15.24	270	-45	2.19	5.76	3.57	1.05	12.79
LU60	404420	5433462	255.07	17.68	50	0	0	0.91	0.91	1.54	27
							6.4	9.17	2.77	1.43	0.12

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
LU61	404420	5433462	253.7	16.46	58	-45	8.14	12.8	4.66	3.19	14.9
LU62	404419	5433461	253.7	15.24	0	-90	0.61	8.02	7.41	0.99	20.11
LU63	404418	5433461	253.7	16.46	238	-45	0	2.04	2.04	2.08	18.77
LU64	404424	5433452	255.1	15.24	238	0	No Significant Intercepts				
LU65	404426	5433453	255.1	19.81	58	0	1.74	4.79	3.05	2.72	17.99
LU66	404426	5433453	253.6	18.29	58	-45	0	4.21	4.21	3.40	10.67
							8.84	11.34	2.5	1.87	6.18
LU67	404426	5433453	253.6	13.41	0	-90	0.61	8.93	8.32	2.72	8.08
LU68	404424	5433452	253.6	17.83	238	-45	0.91	4.02	3.11	1.20	9.26
LU69	404426	5433453	256.4	15.24	58	45	11.89	13.41	1.52	2.25	0.55
LU7	404528	5433397	253.55	6.71	0	-90	0	4.63	4.63	2.03	14.65
LU70	404426	5433453	253.6	15.24	58	-70	0.61	8.05	7.44	4.44	12.35
LU71	404429	5433446	254.96	15.24	238	0	No Assay Information Available				
LU72	404431	5433447	254.96	19.2	58	0	2.26	4.97	2.71	3.36	1.48
LU73	404431	5433447	253.6	18.29	58	-30	12.5	14.33	1.83	1.30	0.03
LU74	404431	5433447	253.6	15.24	58	-60	0.61	2.35	1.74	2.65	30
LU75	404430	5433447	253.6	18.29	0	-90	1.22	11.73	10.51	2.33	12.15
LU76	404429	5433446	253.6	15.24	238	-45	1.07	4.57	3.5	1.05	2.49
LU77	404437	5433443	256.7	15.24	58	30	No Assay Information Available				
LU79	404435	5433441	254.8	8.23	238	0	No Assay Information Available				
LU8	404528	5433397	253.55	15.24	90	-45	0.61	1.43	0.82	1.54	32
LU80	404437	5433443	254.8	21.95	58	0	5.18	7.71	2.53	2.37	13.28
LU81	404437	5433443	253.6	21.34	58	-30	3.08	8.53	5.45	1.69	20.55
LU82	404437	5433442	253.6	16.76	58	-60	4.57	8.23	3.66	2.09	10.56
LU83	404436	5433442	253.6	21.34	0	-90	11.4	12.92	1.52	1.35	13
LU84	404435	5433441	253.6	15.97	238	-60	No Assay Information Available				
LU87	404447	5433440	254.6	18.9	58	0	No Significant Intercepts				
LU88	404447	5433440	253.5	18.29	58	-30	9.39	12.44	3.05	2.20	0.10
LU89	404447	5433440	253.5	32	58	-60	7.62	9.14	1.52	1.05	0.45
							10.67	13.72	3.05	2.99	0.43
							26	28.83	2.83	2.12	0.09
LU9	404532	5433390	255	15.24	90	0	No Significant Intercepts				
LU90	404445	5433439	253.5	46.33	0	-90	21.34	23.16	1.82	1	0.31
LU91	404409	5433479	255.17	15.24	58	0	No Significant Intercepts				
LU92	404408	5433478	253.8	24.38	0	-90	17.86	22.13	4.27	5.60	8.01
LU93	404407	5433477	253.8	47.24	238	-45	32	33.41	1.41	1	0.7
							36.24	38.5	2.26	1.70	0.49
LU94	404408	5433478	256.54	16.46	0	90	No Significant Intercepts				
LU95	404407	5433477	255.17	34.14	238	0	No Significant Intercepts				
LU96	404407	5433477	253.8	38.1	238	-67	18.04	29.9	11.86	4.83	5.57
							32	33.71	1.71	4.5	0.2
LU97	404409	5433479	253.8	33.53	58	-60	No Assay Information Available				
LU98	404404	5433484	254.2	45.72	0	-90	15.54	22.43	6.89	5.29	7.77
							39.62	45.72	6.1	1.32	0.27

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
LU99	404403	5433484	254.2	42.67	238	-45	22.25	29.26	1.25	0.97	8.30
WLF-04-12	404560.9	5433736	362.5	259.7	260	-55	No Significant Intercepts				
WLF-04-13	404623.9	5433731	364.55	304.8	260	-51	No Significant Intercepts				
WLF-04-14	404316.2	5433483	359.4	198.1	57	-65	No Significant Intercepts				
WLF-04-15	404295.7	5433470	357.73	201.2	57	-66	No Significant Intercepts				
WLF-04-16	404275.5	5433456	356.93	91.4	57	-65	No Significant Intercepts				
WLF-04-17	404312.6	5433392	357.5	274.3	57	-65	No Significant Intercepts				
WLF-04-18	404636	5433279	394.8	256.3	60	-50	No Significant Intercepts				
Y-10	404486	5433465	252.6	134.11	197	-38	No Assay Information Available				
Y-13	404482	5433470	252.6	97.23	240	-40	61.26	74.98	10.67	4.07	
Y-13A	404482	5433470	255.15	45.72	240	30	34.9	40.23	5.33	1.15	0.41
Y-2	404456	5433611	250.96	62.18	230	54	No Assay Information Available				
Y-4	404478	5433545	251.9	122.83	264	-30	59.74	60.2	0.46	8.1	0.16
Y-5	404478	5433544	251.9	137.16	221	-20	55.87	65.84	9.97	2.19	0.08
							114.82	123.38	8.56	3.82	0.08
Y-5A	404478	5433544	251.9	159.1	221	-30	82.3	84.43	2.13	2.28	0.08
							86.56	88.7	2.14	2.78	0.2
							96.32	104.09	7.77	2.47	0.14
Y-6	404478	5433544	251.9	146.91	242	-20	42.67	48.77	6.1	2.28	
Y-7	404486	5433506	255.15	121.92	207	-15	82.91	95.1	6.1	1.14	1.98
Y-7C	404488	5433510	252.4	58.83	0	90	52.12	53.95	1.83	1.45	
Y-8	404482	5433470	252.6	135.94	287	-40	68.88	91.44	22.56	4.37	0.1
Y-8A	404482	5433470	252.6	84.73	234	-20	48.01	48.46	0.45	2.62	0.27
Y-8B	404482	5433470	252.6	180.44	287	-58	45.87	60.05	1.68	7.59	
Y-9	404483	5433469	252.6	128.93	330	-40	42.37	69.95	0.91	9.19	
YH-90-1	404309.9	5433436	358.6	230.7	60	-60	149.6	152.3	2.7	1.39	6.23
							171.66	173.36	1.7	1.75	13.82
YH-90-2	404534.3	5433755	358.8	249.9	260	-55	170.5	171.5	1	2.23	0.15
							172.5	173.5	1	1.2	0.08
YH-90-3	404210.2	5433512	354	279.2	60	-45	254	255	1	1	0.1
YH-91-4	404656	5433312	388.9	101.5	115	-50	No Significant Intercepts				
YH-91-5	404404.5	5433024	390.6	202.4	115	-50	No Significant Intercepts				
YH-91-6	404322.4	5432929	385	228	115	-50	No Significant Intercepts				
YH-91-7	404498.5	5433123	397.9	266.7	142	-50	No Significant Intercepts				
YH-91-8	403309.8	5433670	93.45	148.1	115	-50	No Significant Intercepts				
YH-91-9	404341.7	5433053	378.2	263	115	-52	No Significant Intercepts				
YH-93-10	404196	5433123	351	443.8	115	-55	No Significant Intercepts				
YH-93-11	404187	5433314	343.7	442	61	-55	No Significant Intercepts				
YS-1	404392.3	5433419	365.7	262.13	0	-90	No Significant Intercepts				
YS-10	404395.8	5433626	341.7	136.6	0	-90	No Significant Intercepts				
YS-11	404444.3	5433549	360	173.4	0	-90	77.72	80.77	3.05	3.41	1.04
YS-12	404449.1	5433714	344.1	121.6	0	-90	No Significant Intercepts				
YS-13	404381.4	5433786	306.2	58.5	320	-70	No Significant Intercepts				
YS-14	404377.8	5433828	304.8	121.3	0	-90	No Assay Information Available				

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Cu%	Zn%
YS-15	403425	5433625	124.35	182.88	297	-70	No Assay Information Available				
YS-16	403950	5433950	90	133.8	332	-50	No Assay Information Available				
YS-2	404332.5	5433515	357.65	272.9	0	-90	193.55	195.07	1.52	1.12	0.22
YS-3	404503.8	5433298	384.3	185.9	0	-90	No Significant Intercepts				
YS-4	404455.6	5433502	364.4	100.6	0	-90	64.77	69.04	4.27	1.96	0.11
YS-5	404410.7	5433528	356	182.3	0	-90	No Significant Intercepts				
YS-6	404488.2	5433576	347.9	108.2	0	-90	79.1	82.45	3.35	3.07	0.18
YS-7	404537.4	5433607	355.85	136.2	0	-90	No Significant Intercepts				
YS-8	404433	5433596	343.9	158.5	0	-90	No Significant Intercepts				
YS-9	404410	5433563	351.95	175.3	0	-90	No Significant Intercepts				

Table 3: Drill Results 2021 to Current

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Ag g/t	Cu%	Zn%
YH21-001	404,276	5,433,425	355	248.00	60.00	-45.00	37.9	38.79	0.89	24.5	1.38	11.72
							211.47	212	0.53	17.7	1.25	22.00
YH21-002	404,285	5,433,412	356	44.00	60.00	-45.00	39.38	41.64	2.26	5.0	1.21	4.34
							42.25	43.03	0.78	3.9	0.67	1.39
YH21-003	404,289	5,433,414	356	27.25	60.00	-45.00	No Significant Intercepts					
YH21-004	404,332	5,433,415	359	218.00	60.00	-60.00	166.61	169.12	2.51	2.4	1.36	0.06
							190.08	192.04	1.96	1.0	1.42	0.03
							194.34	195.3	0.96	2.6	2.94	0.01
							198.12	199.69	1.57	3.4	1.04	2.42
YH21-005	404,385	5,433,400	368	185.00	60.00	-60.00	165.3	166.3	1	4.1	1.02	0.08
							175.06	176.06	1	5.4	1.53	0.08
YH21-006	404,359	5,433,407	362	206.00	60.00	-60.00	178.35	184.15	5.8	2.8	3.52	0.09
							191	192.7	1.7	4.2	5.53	0.18
							194.05	195.05	1	2.5	1.20	0.10
							197.05	198.5	1.45	10.5	1.70	0.40
YH21-007	404,345	5,433,442	359	134.00	60.00	-60.00	No Significant Intercepts					
YH21-008	404,529	5,433,679	361	140.00	240.00	-60.00	No Significant Intercepts					
YH21-009	404,387	5,433,768	308	20.00	60.00	-45.00	5	14.54	9.54	2.8	1.69	0.11
YH21-010	404,468	5,433,759	352	204.00	240.00	-75.00	123.78	127.14	3.36	2.8	1.00	0.08
YH21-011	404,469	5,433,758	352	102.00	269.50	-50.00	No Significant Intercepts					
YH21-012	404,481	5,433,744	353	36.00	240.00	-75.0	No Significant Intercepts					
YH21-013	404,439	5,433,673	338	125.00	60.00	-60.00	112	112.41	0.41	5.9	3.60	0.27
YH21-014	404,436	5,433,680	337	132.00	60.00	-60.00	106.08	109.19	3.11	3.5	1.96	0.30
							113.2	116	2.8	1.8	1.18	0.09
YH21-015	404,451	5,433,655	340	161.00	60.00	-60.00	124.51	125.63	1.12	3.9	3.28	1.09
							128.5	128.92	0.42	1.7	1.42	1.29
							140.9	142.85	1.95	3.9	2.26	1.20
YH21-016	404,459	5,433,675	347	137.00	60.00	-60.00	No Significant Intercepts					
YH21-017	404,453	5,433,615	342	143.00	60.00	-60.00	No Significant Intercepts					
YH21-018	404,443	5,433,621	340	164.00	60.00	-60.00	93.7	118	24.3	18.2	2.77	9.29
YH21-019	404,440	5,433,636	336	150.00	60.00	-60.00	97	112	15	18.5	3.38	5.21
YH21-020	404,442	5,433,598	349	164.00	60.00	-60.00	109.4	129.46	20.06	5.4	2.51	6.33
YH21-021	404,455	5,433,595	351	122.00	60.00	-60.00	No Significant Intercepts					
YH21-022	404,328	5,433,401	360	236.00	60.00	-60.00	166.62	186	19.38	19.1	1.76	13.47
YH21-023	404,339	5,433,431	359	200.00	60.00	-60.00	164.5	168.04	3.54	2.6	1.06	
							180	180.4	0.4	2.0	1.57	
							183.2	184.5	1.3	6.5	6.69	
							189.13	193	3.87	1.6	2.00	
YH21-024	404,331	5,433,438	358	176.00	60.00	-60.00	147	176	29	9.0	5.25	2.55
YH21-025	404,358	5,433,396	363	209.00	60.00	-60.00	174.26	180.1	5.84	9.9	1.21	6.20
YH21-026	404,391	5,433,414	367	161.00	60.00	-60.00	150	150.92	0.92	15.1	2.32	0.20
YH21-027	404,415	5,433,419	369	140.00	60.00	-60.00	119.3	120.09	0.79	7.7	2.52	0.19

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Ag g/t	Cu%	Zn%
							122.67	124.3	1.63	3.0	2.07	0.34
YH21-028	404,422	5,433,409	370	179.00	60.00	-60.00	124.2	127.52	3.32	5.3	2.23	0.09
							151.63	152.27	0.64	15.0	4.29	0.21
							176.8	179	2.2	6.1	0.86	0.08
YH21-029	404,422	5,433,410	370	146.00	60.00	-45.00	131	136.1	5.1	3.9	1.36	0.34
YH21-030	404,458	5,433,373	375	149.00	60.00	-60.00	No Significant Intercepts					
YH21-031	404,462	5,433,361	375	194.00	60.00	-60.00	141.6	150	8.4	37.9	1.67	7.09
YH21-032	404,466	5,433,355	376	167.00	60.00	-60.00	139	147	8	49.0	1.75	9.45
							152	153	1	5.5	2.40	0.35
YH21-033	404,483	5,433,352	378	150.00	60.00	-60.00	No Significant Intercepts					
YH21-034	404,478	5,433,336	378	179.00	60.00	-60.00	No Significant Intercepts					
YH21-035	404,492	5,433,322	381	168.00	60.00	-60.00	No Significant Intercepts					
YH21-036	404,495	5,433,332	380	161.00	60.00	-60.00	No Significant Intercepts					
YH21-037	404,452	5,433,386	374	146.00	60.00	-60.00	No Significant Intercepts					
YH21-038	404,327	5,433,736	346	161.00	60.00	-60.00	No Significant Intercepts					
YH22-039	404,448	5,433,375	374	170.00	60.00	-60.00	144.37	146	1.63	25.7	1.48	7.31
YH22-040	404,438	5,433,393	372	170.00	60.00	-60.00	No Significant Intercepts					
YH22-041	404,436	5,433,400	372	149.00	60.00	-60.00	No Significant Intercepts					
YH22-042	404,479	5,433,336	378	122.00	60.00	-45.00	No Significant Intercepts					
YH22-043	404,468	5,433,355	377	127.20	60.00	-45.00	No Significant Intercepts					
YH22-044	404,467	5,433,355	376	221.00	60.00	-75.00	156.32	158.08	1.76	60.8	3.39	12.83
YH22-045	404,421	5,433,409	370	212.00	60.00	-75.00	138.63	139.7	1.07	11.1	1.10	8.98
YH22-046	404,389	5,433,413	367	209.00	60.00	-75.00	153.57	163	9.43	1.9	1.15	0.05
							187	188.43	1.43	6.4	3.41	0.13
							191.23	197	5.77	1.9	0.90	0.07
YH22-047	404,390	5,433,414	367	161.00	60.00	-45.00	141	145.3	4.3	5.4	1.90	0.10
YH22-048	404,357	5,433,404	362	248.00	60.00	-60.00	166.6	168.45	1.85	10.2	2.44	4.58
							235	235.86	0.86	3.6	2.27	0.10
YH22-049	404,358	5,433,404	362	27.00	60.00	-45.00	Not Assayed					
YH22-050	404,362	5,433,407	362	203.00	60.00	-45.00	141.4	142.23	0.83	4.0	0.99	1.24
							144	146	2	5.2	2.21	0.15
							170.52	172.22	1.7	5.5	1.32	0.13
							175	182	7	9.5	2.22	0.12
							194	195.12	1.12	18.8	5.91	0.21
YH22-051	404,333	5,433,416	359	209.00	60.00	-50.00	158	159	1	4.2	1.48	0.09
							177.5	178.65	1.15	11.2	6.75	0.22
							188	192	4.00	7.3	3.16	0.18
YH22-052	404,332	5,433,415	359	251.00	60.00	-70.00	181.51	182.72	1.21	107.6	2.37	5.75
							240	241.18	1.18	5.8	5.96	0.15
							248	249.3	1.30	6.8	1.70	0.06
YH22-053	404,330	5,433,437	358	251.00	60.00	-75.00	No Significant Intercepts					
YH22-054	404,317	5,433,441	358	221.00	60.00	-60.00	152.15	160.06	7.91	3.6	1.38	2.35
							168.21	170.29	2.08	5.1	3.06	2.33
							172.5	177.5	5.00	7.0	4.25	1.18

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Ag g/t	Cu%	Zn%
							182	184.5	2.50	2.9	1.98	0.63
YH22-055	404,374	5,433,449	360	98.40	60.00	-60.00	Not Assayed					
YH22-056	404,471	5,433,520	360	211.00	240.00	-70.00	91.5	93.3	1.80	2.9	0.86	0.12
							104	106.5	2.50	3.4	1.17	0.10
							163	164.45	1.45	2.1	0.79	0.80
							172.28	174.35	2.07	3.5	2.11	0.05
							177	182.3	5.30	4.0	2.10	0.06
YH22-057	404,463	5,433,582	352	135.00	60.00	-60.00	109.38	112.09	2.71	3.3	2.26	0.30
YH22-058	404,486	5,433,572	352	101.00	240.00	-53.00	No Significant Intercepts					
YH22-059	404,531	5,433,691	361	170.00	240.00	-70.00	No Significant Intercepts					
YH22-060	404,533	5,433,667	361	170.00	240.00	-70.00	129.48	133	3.52	22.6	1.95	6.37
YH22-061	404,529	5,433,653	361	170.00	240.00	-70.00	115.34	128.92	13.58	21.4	2.98	7.23
YH22-062	404,530	5,433,642	360	140.00	240.00	-60.00	Not Assayed					
YH22-063	404,538	5,433,606	360	116.00	240.00	-57.00	Not Assayed					
YH22-064	404,632	5,434,486	189	230.00	60.00	-60.00	Not Assayed					
YH22-065	404,630	5,434,463	193	257.00	65.00	-60.00	Not Assayed					
YH22-066	404,627	5,434,441	196	230.00	65.00	-60.00	Not Assayed					
YH22-067	404,622	5,434,416	201	221.00	38.00	-50.00	Not Assayed					
YH22-068	404,463	5,433,582	352	200.00	13.00	-46.00	163.15	165.2	2.05	2.0	1.59	0.15
YH22-069	404,475	5,433,550	360	275.00	240.00	-65.00	98.5	100.5	2.00	1.6	1.03	0.21
							246.5	248	1.50	2.6	4.11	0.11
YH22-070	404,479	5,433,538	362	272.00	240.00	-65.00	209.5	210.5	1.00	1.5	0.92	2.08
							213.4	215.1	1.70	3.4	2.87	0.19
							248.1	253.1	2.00	1.0	1.10	0.28
							256	260.4	4.40	2.1	2.10	0.11
YH22-071	404,492	5,433,519	364	278.00	240.00	-65.00	77.56	80	2.44	3.8	2.93	0.12
							175.4	184.65	9.25	1.2	2.24	0.05
							242.5	245	2.50	1.5	1.73	0.05
							246.15	250.3	4.15	2.0	1.18	0.08
YH22-072	404,498	5,433,514	365	279.00	240.00	-65.00	172.15	173.46	1.31	1.3	1.71	0.06
							183.88	188.28	4.40	3.2	6.05	0.10
YH22-073	404,505	5,433,502	367	273.00	240.00	-65.00	178.07	183.72	5.65	1.3	1.49	0.06
							189.83	191	1.17	4.3	6.49	0.13
							194	200.5	6.50	2.0	2.57	0.07
							203	204	1	3.1	0.97	2.98
							207.5	210	2.50	2.5	3.06	0.22
							219	222	3.00	6.6	2.36	0.14
							246.1	247.13	1.03	1.4	1.83	0.20
YH22-074	404,509	5,433,492	368	276.00	240.00	-65.00	105	111	6.00	3.5	1.77	0.07
							128	133.15	5.15	5.6	1.60	0.12
							140.95	142.7	1.75	13.3	2.82	0.20
							173.35	177.75	4.40	6.4	1.35	0.08
							190.05	195.32	5.27	2.4	1.31	0.12
YH22-075	404,515	5,433,484	370	266.00	240.00	-65.00	153	158.6	5.60	2.7	1.07	0.11

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Ag g/t	Cu%	Zn%
YH22-076	404,526	5,433,468	373	251.00	240.00	-65.00	111.6	112.57	0.97	4.2	1.43	0.10
							114.16	117.5	3.34	4.9	1.59	0.19
							120.36	121.28	0.92	13.6	5.91	0.30
							139.76	142.27	2.51	4.2	2.06	0.69
							229	231.2	2.20	2.4	1.01	1.26
							238.2	239.65	1.45	1.1	2.48	0.06
YH22-077	404,482	5,433,538	362	281.00	240.00	-65.00	No Significant Intercepts					
YH22-078	404,512	5,433,438	372	260.00	240.00	-65.00	109.1	119	9.90	3.1	2.18	1.88
							150.46	152	0.99	3.4	1.18	0.07
							190.2	199	8.80	3.9	3.23	0.12
							224.09	225.32	1.23	0.8	1.76	0.29
YH22-079	404,436	5,433,406	372	173.00	60.00	-50.00	No Significant Intercepts					
YH22-080	404,313	5,433,436	358	287.00	60.00	-66.00	46.77	48.18	1.41	282.7	0.95	12.16
							259.58	261.7	2.12	3.3	2.24	0.13
YH22-081	404,335	5,433,432	361	263.00	60.00	-70.00	140.75	145.03	4.28	11.8	1.85	12.77
							232.95	238.55	5.60	0.8	1.34	0.20
							247.3	250.15	2.85	1.7	2.34	0.07
YH22-082	404,529	5,433,644	362	182.00	240.00	-70.00	111.78	123.03	11.25	20.0	2.67	9.12
YH22-083	404,534	5,433,635	362	182.00	240.00	-70.00	No Significant Intercepts					
YH22-084	404,552	5,433,621	366	182.00	58.67	-45.00	No Significant Intercepts					
YH22-085	404,362	5,433,809	317	152.00	60.00	-45.00	No Significant Intercepts					
YH22-086	404,362	5,433,808	317	152.00	90.00	-45.00	82.75	84.2	1.45	7.0	2.15	0.21
							97.7	99	1.3	2.5	1.22	0.38
YH22-087	404,361	5,433,807	316	152.00	120.00	-45.00	51.5	53	1.50	1.4	0.90	0.09
							58.51	61.07	2.56	2.2	1.98	0.10
YH22-088	404,656	5,433,320	402	28.00	60.00	-45.00	Not Assayed					
YH22-089	404,599	5,433,322	392	155.00	60.00	-45.00	No Significant Intercepts					
YH22-090	404,671	5,433,368	391	152.00	60.00	-45.00	No Significant Intercepts					
YH22-091	404,618	5,433,371	388	152.00	60.00	-45.00	106	107.48	1.48	7.6	1.34	0.14
YH22-092	404,649	5,433,423	381	176.00	60.00	-45.00	No Significant Intercepts					
YH22-093	404,550	5,433,399	385	176.00	60.00	-45.00	No Significant Intercepts					
YH22-094	404,613	5,433,476	372	176.00	60.00	-45.00	Not Assayed					
YH22-095	404,527	5,433,469	374	179.00	60.00	-45.00	Not Assayed					
YH22-096	404,493	5,433,519	364	176.00	60.00	-45.00	Not Assayed					
YH22-097	404,604	5,433,551	369	176.00	60.00	-45.00	Not Assayed					
YH22-098	404,553	5,433,587	365	176.00	60.00	-45.00	No Significant Intercepts					
YH22-099	404,612	5,433,381	381	176.00	60.00	-45.00	No Significant Intercepts					
YH22-100	404,623	5,433,370	383	176.00	60.00	-45.00	No Significant Intercepts					
YH22-101	404,469	5,433,760	356	131.00	300.00	-60.00	121.45	127	5.55	9.6	1.48	0.40
YH22-102	404,468	5,433,759	355	131.00	285.00	-55.00	130.2	131	0.80	3.4	1.36	0.48
YH22-103	404,468	5,433,759	355	167.00	285.00	-70.00	No Significant Intercepts					
YH22-104	404,470	5,433,756	355	113.00	275.00	-45.00	81.75	82.75	1.00	7.7	2.12	0.14
							106	107	1.00	4.3	2.59	0.15
							112	113	1.00	39.8	6.88	12.05

Hole	Easting	Northing	Elevation	Total Depth	Azimuth	Dip	From	To	Interval	Ag g/t	Cu%	Zn%
YH22-105	404,471	5,433,756	355	161.00	270.00	-55.00	124	129.22	5.22	4.4	2.28	0.11
YH22-106	404,471	5,433,756	354	155.00	270.00	-70.00	118	119	1.00	2.9	2.89	0.13
							131	132.2	1.20	20.2	7.30	0.40
YH22-107	404,471	5,433,755	354	133.10	260.00	-60.00	124.13	133.1	8.97	22.7	4.73	10.19
YH22-108	404,472	5,433,755	354	161.00	260.00	-73.00	120.35	127	6.65	1.8	1.07	0.09
							132.9	135.65	2.75	4.2	1.60	0.93
YH22-109	404,471	5,433,757	354	161.00	300.00	-75.00	No Significant Intercepts					
YH22-110	404,592	5,434,200	227	236.00	90.00	-50.00	Not Assayed					
YH23-111	404,501	5,433,801	353	200.00	300.00	-45.00	No Significant Intercepts					
YH23-112	404,535	5,433,820	357	200.00	300.00	-45.00	No Significant Intercepts					
YH23-113	404,560	5,433,844	356	197.00	300.00	-45.00	No Significant Intercepts					
YH23-114	404,571	5,433,870	351	176.00	300.00	-45.00	No Significant Intercepts					
YH23-115	404,596	5,433,896	352	176.00	300.00	-45.00	No Significant Intercepts					
YH23-116	404,477	5,433,276	383	200.00	120.00	-45.00	No Significant Intercepts					
YH23-117	404,403	5,433,098	395	215.00	120.00	-45.00	No Significant Intercepts					
YH23-118	404,277	5,433,012	369	200.00	120.00	-45.00	No Significant Intercepts					
YH23-119	404,295	5,432,877	394	200.00	120.00	-45.00	No Significant Intercepts					

APPENDIX 3: JORC TABLES

JORC Code, 2012 Edition

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Comments
Sampling techniques	· Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.	**York Harbour Metals 2021-2024:** Two phase of diamond drilling was undertaken by York Harbour Metals in 2021 and 2022. The 2021 drilling was contracted to Logan Drilling Limited, Nova Scotia and the 2022 drilling was contracted to Forage Fusion Drilling Ltd, based in Springdale Newfoundland. Both phases of diamond drilling produced NQ core. **Operators Prior to 2021:** Various operators have carried out surface and/or underground drilling programs since Independent Mining Corp.'s original development in 1953. According to the drilling and assay compilation Most of the earlier records reported only copper and zinc assays and no other metals, and most of the samples were collected from massive sulphides with visually significant base metals rather than less mineralized stringer or vein-type mineralisation. Core samples were taken from intervals ranging between 0.1 and 7.68m.
	· Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	**York Harbour Metals 2021-2024:** Core was cut into two equal halves with one submitted for analysis. **Operators Prior to 2021:** No records of the core sampling methods or protocols have been reported in available reports.
	· Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	**York Harbour Metals 2021-2024:** Sample intervals was based on geological observations. Minimum core width sampled was 0.1m and maximum 1.5m. Samples were submitted to Activation Laboratories Ltd. **Operators Prior to 2021:** Sample intervals was based on geological observations. Minimum core width sampled was 0.1m and maximum 7.68m.
Drilling techniques	· Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	**York Harbour Metals 2021-2024:** Standard tube NQ diamond drilling was undertaken. **Operators Prior to 2021:** Diamond drilling was undertaken. No references towards the dimension of drill core are available in documentation

Criteria	JORC Code explanation	Comments
		provided.
Drill sample recovery	· Method of recording and assessing core and chip sample recoveries and results assessed.	**York Harbour Metals 2021-2024:** Core recoveries were measured for every drill run completed. The core recovered is physically measured by tape measure and the length is recorded for every "run". Core recovery is calculated as a percentage recovery. **Operators Prior to 2021:** No records of core recovery were reported
	· Measures taken to maximise sample recovery and ensure representative nature of the samples.	**York Harbour Metals 2021-2024 & Operators Prior to 2021:** Diamond drilling by nature collects relatively uncontaminated core samples. These are cleaned at the drill site to remove drilling fluids and cuttings to present clean core for logging and sampling.
	· Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	**York Harbour Metals 2021-2024:** There is no significant loss of material reported in the mineralised parts of the diamond core to date. **Operators Prior to 2021:** As core recovery information is not available, there is no way of assessing whether bias has been introduced into the results as a function of core recovery.
Logging	· Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	**York Harbour Metals 2021-2024:** Drill holes were logged for lithology, alteration, mineralisation, structure and weathering by a geologist. Data is then captured in a database appropriate for mineral resource estimation. **Operators Prior to 2021:** Lithological logging styles are inconsistent from each respective generation of operator of the project. Standardisation of this geological logging is required if it is to be utilised in mineral resource estimation in the future.
	· Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	**York Harbour Metals 2021-2024:** All cores are photographed in the core tray, with individual photographs taken of each tray. Logging conducted is both qualitative and quantitative. **Operators Prior to 2021:** No photographs of previous core prior to 2021 have been identified. Logging in general is both qualitative and quantitative.
	· The total length and percentage of the relevant intersections logged.	**York Harbour Metals 2021-2024 & Operators Prior to 2021:** All drill holes were logged in full.
Sub-sampling techniques and sample preparation	· If core, whether cut or sawn and whether quarter, half or all core taken.	**York Harbour Metals 2021-2024:** Diamond drill core was cut in half. Half the core was submitted for analysis and the remaining half was stored securely for future reference and potentially further

Criteria	JORC Code explanation	Comments
		analysis if ever required. **Operators Prior to 2021:** Core preparation was not included in available documentation.
	· If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	**York Harbour Metals 2021-2024 & Operators Prior to 2021:** Only diamond core drilling completed.
	· For all sample types, the nature, quality and appropriateness of the sample preparation technique.	**York Harbour Metals 2021-2024:** Sample preparation was conducted by Activation Laboraties Ltd in Ontario. Samples were dried at a low temperature. Dried samples were then weighed before being crushed in a jaw crusher to 70% passing less than 8mesh, and 250g to 500g of the crushed material from each sample was split using a Jones Riffle Splitter. The remaining coarse reject was retained. The split sub sample was pulverised to 85% less than -200mesh and the +200 mesh material was re-pulverised and re-screened, and a 30g portion was extracted to use as a sample aliquot. The sample preparation method is considered industry standard. **Operators Prior to 2021:** No documentation is available with respect to the sample preparation methods utilised.
	· Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	**York Harbour Metals 2021-2024:** Standard preparation procedure inclusive of internal laboratory internal crushing and pulverizing tests were utilised by Activation Laboratories Ltd. **Operators Prior to 2021:** No documentation is available with respect to the quality control procedures utilised for sub sampling.
	· Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	**York Harbour Metals 2021-2024:** Quarter core field duplicates, coarse reject duplicates, and pulp duplicates were routinely inserted in the sampling sequence. **Operators Prior to 2021:** Only limited range of field duplicates utilising quarter core were previously reported.
	· Whether sample sizes are appropriate to the grain size of the material being sampled.	**York Harbour Metals 2021-2024:** Sample sizes are considered appropriate to the mineralisation style and grain size of the material. **Operators Prior to 2021:** The upper range of composite sample intervals quoted indicates that either quarter core or a narrow core type was sampled. The representativity of the samples with over 1.5m as a single sample needs to be evaluated.
Quality of assay data and laboratory tests	· The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	**York Harbour Metals 2021-2024:** Samples were analysed for 35 elements using ICP and gold analysis was conducted using fire assay and atomic absorption. ICP is considered a total digestion method.

Criteria	JORC Code explanation	Comments
		Atomic absorption has the potential of being a partial digestion method in the case of coarse gold. **Operators Prior to 2021:** Various laboratories were utilised by prior operators with only limited information available from assay certificates quoting a range of methods which were industry standard at the point in time in which the exploration was being undertaken. Analysis was typically by atomic absorption for copper and zinc which is a partial digestion method.
	· For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	
	· Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	**York Harbour Metals 2021-2024:** During 2021 a basic QAQC was performed. A total of 321 samples were prepared for geochemical analysis for a total of 209 meters of core in 297 sampled intervals. The QAQC comprised of insertion of 12 blank samples, and 12 certified reference material (CRM) samples. The CRM and Blank samples were inserted sequentially for an average insertion of 6% during. York Harbour Metals submitted a further 29 check samples from selected known-grade intervals from the 2021 results. The samples were sourced and transported to AGAT laboratories of Mississauga, Ontario for geochemical analysis by 4 Acid Digest - Metals Package, ICP/ICP-MS finish. During the 2022 drilling a more robust QAQC was performed. A total of 2,383 samples were prepared for geochemical analysis for a total of 1,666 meters of core in 2,161 sampled intervals. The QAQC comprised of insertion of 11 blank samples, 112 certified reference material (CRM) samples, and 110 Field Duplicate samples prepared from ¼ cut core. The CRM, Blank, and field duplicate samples were inserted systematically every 5-6 samples for an average insertion of 14%. During both phases of drilling the blanks consisted of two types of decorative quartz rock, placed into the prenumbered sample bags, and inserted into the sample stream. The CRM samples used included CMD-ME-1707, OREAS239 and OREAS229b, which were placed into the sample bags and inserted into the sample stream. During 2022 duplicate coarse rejects were designated in samples, and instruction was conveyed to the laboratory, after initial crushing of the respective samples, coarse reject material was resampled and inserted as a duplicate into the prenumbered sample

Criteria	JORC Code explanation	Comments
		stream prior to analysis The level of QAQC undertaken by York Harbour Metals is inline with typical best practice. Activation Laboratory Ltd are accredited and have their own Quality Control and Quality Assurance protocols for sample preparation and assaying **Operators Prior to 2021:** Limited records of duplicate samples are contained within the database, no further QAQC protocols have been identified within the available documentation.
Verification of sampling and assaying	· The verification of significant intersections by either independent or alternative company personnel.	Results were reviewed by the Competent Person and have been evaluated and reported on by a Canadian Qualified Person as part of a NI43-101 report.
	· The use of twinned holes.	None of the current holes reported are considered twin holes.
	· Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	**York Harbour Metals 2021-2024:** All data was recorded in excel logging sheets, then imported into a validated database. **Operators Prior to 2021:** Data was identified from historical reports, digitised and imported into a validated databased.
	· Discuss any adjustment to assay data.	No adjustments were performed to assay data.
Location of data points	· Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	**York Harbour Metals 2021-2024:** All of the 2021 and 2022 drill hole collars were surveyed by a qualified surveyor based in Corner Brook, Newfoundland using (differential global positioning system) DGPS equipment. Downhole deviation measurements were scheduled to be measured every 30 m, and at the completion length of every hole with a Boart downhole instrument that was lowered down the drill rods and through the drill bit beyond the metal effect of the drill rods. The downhole measurements were recorded by the drillers and given to the project geologist on a shift-by-shift basis. **Operators Prior to 2021:** Collar coordinates were registered from historical maps and where possible drill collars have been physically sighted in the field.
	· Specification of the grid system used.	All collar locations are reported in NAD83-21N grid system.
	· Quality and adequacy of topographic control.	**York Harbour Metals 2021-2024:** Topographic control was obtained through differential GPS survey of the drill collars which is sufficient for mineral resource estimation. **Operators Prior to 2021:** A regional digital terrain model was utilised to determine elevations for drill collars. This type of elevation model is sufficient for

Criteria	JORC Code explanation	Comments
		exploration results. A LIDAR survey is planned to be flown across the entire property in order to have appropriate topographic control for further exploration and development activities.
Data spacing and distribution	· Data spacing for reporting of Exploration Results.	Diamond drill holes are drilled selectively directly targeting mineralisation based on regional orientations known along strike.
	· Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The drill spacing is sufficient for mineral resource estimation across the zone of mineralisation drilled on a regular grid.
	· Whether sample compositing has been applied.	Sample compositing has been applied. Results reported are length weighted averages.
Orientation of data in relation to geological structure	· Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Drilling has been conducted on a variety of orientations due to the nature of the topography and due to some of the reported drilling being underground drilling. A detailed geological model of mineralisation is required to assess the true width of mineralisation and to what extent the orientation of drilling has introduced bias.
	· If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	The drilling intercept reported is downhole. Further drilling is required to confirm the geometry of mineralisation.
Sample security	· The measures taken to ensure sample security.	**York Harbour Metals 2021-2024:** Diamond drill core was transported on a covered pallet inside of a locked trailer by company contractors to a core cutting facility in Gander Newfoundland. Samples were processed and bagged into sequentially pre numbered plastic bags with sample tickets. Bagged samples were placed on a pallet, wrapped in plastic and transported directly to Activation Laboratories Ontario. **Operators Prior to 2021:** No records of chain of custody are available.
Audits or reviews	· The results of any audits or reviews of sampling techniques and data.	No audits are documented to have occurred in relation to sampling techniques or data.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	· *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties,*	The York Harbour Project is 100% owned by York Harbour Metals Inc. Firetail has signed a binding option agreement to acquire up to 80% of the

Criteria	JORC Code explanation	Commentary
	native title interests, historical sites, wilderness or national park and environmental settings.	Project via a staged earn in. The Property consists of five (5) Newfoundland and Labrador mineral licenses comprised of 156 Newfoundland and Labrador mineral claims and covers an area of approximately 3,900 hectares, all held beneficially in trust for York Harbour Metals Inc by Robert Keats, Wesley Keats, and Dustin Keats, of Newfoundland and Labrador. A 2% net smelter return royalty applies across the Project
	· *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	Open file verification has been conducted to confirm licenses are in full force. Legal due diligence is ongoing throughout the transaction process to determine whether any impediments to development exist
Exploration done by other parties	· *Acknowledgment and appraisal of exploration by other parties.*	The York Harbour Property copper-zinc mineralisation was first discovered in 1893. Since then, a significant amount of underground exploration and development as well as surface diamond drilling exploration and underground diamond drilling delineation has been completed with positive results. Underground exploration and development combined with surface drilling documented eleven irregular zones of Cu-Zn-Ag±Au-rich volcanogenic massive sulphide mineralization occurring as stratabound lenses within the upper portion of the altered lower basalt unit immediately below the contact with the generally unaltered upper basalt unit. Massive sulphide mineralization occurs along a 600 m strike length. However, over 85% of the past exploration work (surface and underground drilling and development) was carried out in less than 350 m of strike length and to 150 m below surface.
Geology	· *Deposit type, geological setting and style of mineralisation.*	Volcanogenic massive sulphide mineralization is widespread in the ophiolitic rocks of central and western Newfoundland, including more than 175 showings, prospects, and 14 past-producing deposits. For a brief period in the late 1800s, production from ophiolite-hosted deposits, including the York Harbour mine, made Newfoundland the world's third-largest copper producer. The alteration and mineralisation within York Harbour is typical of volcanogenic massive sulphide (VMS) deposits in mafic-dominated settings

Criteria	JORC Code explanation	Commentary
		(i.e., Cyprus-type systems), and the presence of both chlorite and chalcopyrite indicates that locally there was high temperature alteration (i.e., >300 °C). The presence of multiple sulphide horizons at different stratigraphic levels, and the hematite alteration plus local chlorite-pyrite mineralization in the upper basalts, indicates that hydrothermal activity was ongoing during the deposition of the entire stratigraphic package, including the upper basalts above mineralisation. Mineralisation at the York Harbour mine area consists of multiple, irregular horizons of massive and semi-massive pyrite, sphalerite, chalcopyrite with minor pyrrhotite and rare galena. Colloform textures are commonly preserved, and the lenses are commonly bounded by narrow hanging wall and footwall shear zones. The massive sulphide lenses are often brecciated and are underlain by a variably developed copper- to zinc-rich stringer zone typically associated with intense hydrothermal brecciation. Hanging wall contacts are often sharp with the overlying upper basalt unit.
Drill hole Information	· *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* o *easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole* o *down hole length and interception depth* o *hole length.*	Drill hole locations are described in the appendix and on related figures.
	· *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	All information has been reported in this announcement.
Data aggregation methods	· *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*	Length weighted averages are reported in the announcement.
	· *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*	Length weighted averages have been applied where necessary to calculate composite intervals. Calculations were performed in excel using the sumproduct function to calculate the length weighted average grades.
	· *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	No metal equivalence are reported.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	*· These relationships are particularly important in the reporting of Exploration Results. · If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. · If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	Intervals of alteration and mineralisation reported are apparent widths. Further drilling is required to understand the geometry of mineralisation and thus the true width of mineralisation.
Diagrams	*· Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	Maps and plans have been included in body of the announcement.
Balanced reporting	*· Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	All information has been reported.
Other substantive exploration data	*· Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	All exploration data considered meaningful and material has been reported in this announcement.
Further work	*· The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).*	Geological modelling based on the previous exploration drilling and underground development is proposed to be conducted in order to determine the likely extensions to known mineralisation and to assist with future drill planning. A propertywide EM survey is proposed to be conducted upon completion of the proposed transaction in order to identify EM targets warranting further investigation.
	· Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Maps and diagrams have been included in the body of the release. Further releases will be made to market upon finalising of the proposed exploration programs.