



# FIREWEED

M E T A L S

## NEWS RELEASE

January 09, 2024

TSXV: FWZ  
OTCQB: FWEDF  
FSE:MOG

### **Fireweed Drills Best Intersection to Date at Boundary Zone Comprising 143.95 m at 14.45% Zinc, 1.15% Lead, and 60.0 g/t Silver for a True Width of 50 m**

**Vancouver, British Columbia:** FIREWEED METALS CORP. (“Fireweed” or the “Company”) (TSXV: FWZ; OTCQB: FWEDF; FSE: MOG) is pleased to report its best drill intersection from Boundary Zone to date, as well as other spectacular assay results from its 2023 exploration at the Macmillan Pass (“Macpass”) Project, Yukon, Canada.

#### **Highlights**

- Best intersection drilled to date at Boundary Zone: hole NB23-028 intersected 143.95 m (50 m true width) grading 14.45% zinc, 1.15% lead, and 60.0 g/t silver, including 28.71 m (10 m true width) grading 25.52% zinc, 1.27% lead, and 91.3 g/t silver.
- Successful step-out holes continue to increase the extents of known zinc mineralization and demonstrate the high-grade tenor of the Boundary Zone mineralization.
- Hole NB23-022 intersected 66.11 m (18 m true width) grading 7.13% zinc, 0.97% lead, and 54.8 g/t silver.
- Assays are pending for 19 remaining drillholes including six more from Boundary Zone, and 11 holes from the Tom deposit, and two holes from the Jason deposit.

#### *CEO Statement*

Brandon Macdonald, CEO, stated, “I am excited to start the year able to say that we have intersected our best-ever Boundary Zone drill intersection. We stepped out 140 m along strike from NB22-002 and NB23-007 and hit a spectacular intersection in NB23-028, further supporting our interpretation that there is a continuous high-grade feeder zone within the stratiform unit at Boundary Zone. We now have multiple wide and high-grade intersections that highlight the potential for another large zinc system within this exceptional critical minerals project.”

## Summary

The mineralization from drill holes in this release primarily comprises stratiform (layer-parallel) and massive (>50% sulphides) sulphides in the western and central areas of Boundary Zone. This mineralization is sub-vertical with sharp margins, occurring from near-surface to at least a depth of 450 m and across a strike length of 550 m. Another stratiform body is present in holes NB23-029 and NB23-029D1 that requires additional drilling to accurately model. We also report intersections of vein and breccia mineralization that occur on both sides of the tabular stratiform sulphide zones. The intersection in hole NB23-028 demonstrates high zinc, lead, and silver grades that are interpreted as forming from higher temperature fluids in association with a feeder system supplying metals to a mineralized system.

## Results

The drill holes in this release are located in the central and western areas of Boundary Zone and targeted the stratiform to massive sulphide body with a focus on stepping out from known feeder-style mineralization. NB23-028 intersected a broad, high-grade interval of massive sulphides rich in zinc, lead, and silver that are correlated with this interpreted feeder zone. Stratiform massive sulphides were also intersected in NB23-022 and NB23-029. Stratiform sulphides intersected in NB23-022D1, NB23-029D1 are associated with a separate zone that requires additional drilling and interpretation. Breccia and vein mineralization was also intersected in NB23-028, NB23-029, NB23-029D1 and NB23-031.

**Table 1: Assay highlights for holes included within this release for the 2023 drilling program, Boundary Zone**

Drillhole	Interval	From (m)	To (m)	Interval Width (m)	Est. True Width (m) †	Zinc (%)	Lead (%)	Silver (g/t)	Bulk Density (t/m <sup>3</sup> )
<b>NB23-022</b>	<b>Primary</b>	<b>282.65</b>	<b>348.76</b>	<b>66.11</b>	18	<b>7.13</b>	<b>0.97</b>	<b>54.8</b>	<b>4.47</b>
NB23-028	Primary	91.9	111.3	19.4	N/A	3.65	0.04	5.1	3.09
NB23-028	Including	94.72	98.1	3.38	N/A	8.55	0.07	8.1	3.39
NB23-028	Primary	196.1	203.8	7.7	N/A	9.95	0.04	12.7	2.86
NB23-028	Including	197.6	202.3	4.7	N/A	14.23	0.06	17.9	2.91
<b>NB23-028</b>	<b>Primary</b>	<b>305.6</b>	<b>449.55</b>	<b>143.95</b>	<b>50</b>	<b>14.45</b>	<b>1.15</b>	<b>60.0</b>	<b>3.75</b>
NB23-028	Including	310.35	314.5	4.15	1.4	14.55	4.69	163.0	3.89
<b>NB23-028</b>	<b>Including</b>	<b>321.79</b>	<b>350.5</b>	<b>28.71</b>	<b>10</b>	<b>25.52</b>	<b>1.27</b>	<b>91.3</b>	<b>3.90</b>
NB23-028	>Including	327.6	337.74	10.14	3.5	32.72	1.34	109.8	4.06
NB23-028	Including	420.31	439.61	19.3	6.7	19.06	1.12	62.7	4.00
NB23-029	Primary*	24.14	51.95	27.81	N/A	4.28	0.06	11.9	3.08
NB23-029	Including*	24.14	31.57	7.43	N/A	9.21	0.05	13.8	3.07
NB23-029	Primary*	79.27	108.45	29.18	N/A	2.93	0.02	4.6	2.77
NB23-029	Primary	238.82	255.44	16.62	N/A	8.74	0.03	11.1	3.09
NB23-029	Including	239.82	245.44	5.62	N/A	18.39	0.06	23.6	3.49
NB23-029	Primary	400.87	412.5	11.63	Unknown	7.49	1.66	34.7	3.14
NB23-029	Including	402.82	408.38	5.56	Unknown	13.21	0.96	34.1	3.42
NB23-029	Primary	514	519.76	5.76	Unknown	6.32	1.50	34.6	3.06

Drillhole	Interval	From (m)	To (m)	Interval Width (m)	Est. True Width (m) †	Zinc (%)	Lead (%)	Silver (g/t)	Bulk Density (t/m <sup>3</sup> )
NB23-029	Primary	580.43	618.83	38.4	Unknown	3.06	0.08	8.2	3.47
NB23-029	Including	580.43	582.86	2.43	Unknown	11.91	0.36	26.6	4.39
NB23-029	Including	601.94	604.88	2.94	Unknown	13.21	0.09	21.5	4.30
<b>NB23-029D1</b>	<b>Primary</b>	<b>416.75</b>	<b>437.5</b>	<b>20.75</b>	Unknown	<b>5.20</b>	<b>2.05</b>	<b>52.6</b>	<b>3.80</b>
<b>NB23-029D1</b>	<b>Including</b>	<b>423.5</b>	<b>430</b>	<b>6.5</b>	Unknown	<b>8.43</b>	<b>3.27</b>	<b>82.3</b>	<b>4.17</b>
NB23-031	Primary	142.4	148.9	6.5	N/A	7.33	0.05	14.5	2.92
NB23-031	Primary	235.57	240.16	4.59	N/A	7.33	0.02	7.7	3.23
NB23-031	Primary	373.33	377.6	4.27	N/A	7.95	0.01	3.3	2.81
NB23-032	Primary	412.55	430.92	18.37	8	4.25	0.14	12.7	3.27
NB23-032	Including*	412.55	417	4.45	2	7.55	0.19	17.3	2.96

\*denotes intervals with recovery of less than 85%. N/A: Not Applicable due to the variable shapes of breccia and vein mineralization.

† See "Data Verification" for a description of true width calculations

Fireweed continues to successfully intersect pyrite-sphalerite-galena as stratiform massive sulphides, laminated mineralization, veins, and breccias in the 2023 step-outs (Photos 1 to 3). Mineralization has been intersected in every step-out hole that has been completed to depth. Assays have been received for 34 Boundary Zone holes (Tables 1 and 2). Brief summaries of mineralized zones within all other 2023 holes are listed in Table 3. Summaries for new drill results reported in this news release are as follows:

- **Hole NB23-028** intersected a 143.95 m interval of stratiform massive sulphide grading 14.45% zinc, 1.15% lead, and 60.0 g/t silver with an estimated true width of approximately 50 m, including 28.71 m (estimated true width 10 m) of 25.52% zinc, 1.27% lead, and 91.3 g/t silver, further including 10.14 m (estimated true width 3.5 m) of 32.72% zinc, 1.34% lead, and 109.8 g/t silver. Two intervals of vein and breccia style mineralization were also intersected, 19.40 m grading 3.65% zinc and 5.1 g/t silver, and 7.70 m grading 9.95% zinc and 12.7 g/t silver.
- **Hole NB23-022** intersected 66.11 m of stratiform massive sulphide with an estimated true width of 18 m grading 7.13% zinc, 0.97% lead, and 54.8 g/t silver, including 50.08 m (14 m true width of 7.99% zinc, 1.12% lead, and 61.7 g/t silver).
- **Hole NB23-29D1** is a directionally-cut secondary splay hole from NB23-029 and intersected 20.75 m of stratiform massive sulphide grading 5.20% zinc, 2.05% lead, and 52.6 g/t silver, including 6.50 m of 8.43% zinc, 3.27% lead, and 82.3 g/t silver. This intercept of stratiform mineralization correlates to a separate, distinct body from the primary tabular massive sulphide.
- **NB23-029** intersected a 5.76 m interval of stratiform massive sulphide grading 6.32% zinc, 1.50% lead, and 34.6 g/t silver, as well as an 11.63 m interval of stratiform massive sulphide grading 7.49% zinc, 1.66% lead, and 34.7 g/t silver. Four intervals of vein and breccia style mineralization were also intersected: 27.81 m grading 4.28% zinc and 11.9 g/t silver; 29.18 m grading 2.93% zinc and 4.6 g/t silver; 16.62 m grading 8.74% zinc and 11.1 g/t silver; and 38.40 m grading 3.06% zinc and 8.2 g/t silver.

- **Hole NB23-032** intersected 18.37 m of stratiform massive sulphide with an estimated true width of 8 m grading 4.25% zinc, 0.14% lead, and 12.7 g/t silver, including 4.45 m of 7.55% zinc, 0.19% lead, and 17.3 g/t silver with an estimated true width of 2 m.
- **Hole NB23-031** intersected three zones of breccia and vein style mineralization: 6.50 m grading 7.33% zinc and 14.5 g/t silver; 4.59 m grading 7.33% zinc and 7.7 g/t silver; and 4.27 m grading 7.95% zinc and 3.3 g/t silver.
- **Hole NB23-022D1** is a directional cut off NB23-022 and intersected a 2.50 m interval of sulphide mineralization grading 5.13% zinc, 0.43% lead, and 33.8 g/t silver.

See Tables 1 to 4, Long Section M–M', Cross Sections C–C', J–J', K–K', L–L', Q–Q', and Maps 2 and 3 below for further details.

Step-out drilling at Boundary Zone targeting the massive–stratiform zone has resulted in the visual identification of many wide intersections of zinc-lead mineralization with assays pending. The most significant intersections can be seen on Long Section M–M' and are listed here:

- NB23-034 intersected 49 m of stratiform massive sulphide.
- NB23-035 intersected 15 m of stratiform massive sulphide.
- NB23-036 intersected 45 m of stratiform massive sulphide.
- NB23-037 intersected 110 m of feeder-proximal laminated to massive sulphide.
- NB23-038 intersected 13 m of stratiform massive sulphide.

Out of the 40 holes drilled at Boundary Zone in 2023, 36 were step-out holes that tested the vein mineralization, laminated stratiform mineralization, and massive sulphide zones. The geometry and stratigraphic sequence intersected in these holes continue to support the idea that the laminated and massive sulphide mineralization are part of the same geological layer at Boundary Zone, forming an approximately tabular stratiform zone. Step out drilling down-dip intersected abundant galena, supporting the presence of the conceptual feeder zone. The mineralization in the massive stratiform layer extends from surface to at least 450 m down-dip, over 550 m in strike with a variable true thickness that is shown on Long Section M–M', thinning around the edges and reaching thicknesses of up to 50 m at its widest point.

Extensive vein and breccia mineralization at Boundary Zone occurs both stratigraphically above and below the main stratiform laminated massive sulphide zone. This mineralization forms within a halo approximately 100 m to 150 m wide on both sides of the stratiform laminated zone and is interpreted as a stockwork of randomly oriented veins and breccia zones. Many wide intervals of vein and breccia style sphalerite mineralization have been encountered in 2023 step-out holes and four infill holes (Table 3).

## 2023 Drill Program

The 2023 program achieved 22,500 m of drilling mostly focused on Boundary, Tom, and Jason zones in addition to five metallurgical drill holes at Mactung (Map 1). Use of directional drilling, in which multiple secondary drill holes are initiated at depth from one primary hole, saved an estimated 1,800 m of drilling compared to traditional drilling of multiple new holes from surface for

a total equivalent metreage of 24,300 m in 2023. This was Fireweed's largest ever program and the biggest drill program in Yukon in 2023.

**About Fireweed Metals Corp. (TSXV: FWZ; OTCQB: FWEDF; FSE:MoG):** Fireweed Metals is a public mineral exploration company on the leading edge of Critical Minerals project development. Fireweed is well-funded, with a healthy balance sheet, and has three projects located in Canada:

- **Macpass Project (Zinc-Lead-Silver):** Fireweed owns 100% of the district-scale 940 km<sup>2</sup> Macmillan Pass ("Macpass") Project in Yukon, Canada, which is host to one of Earth's largest undeveloped resources of zinc\*, a critical mineral. The Tom and Jason zinc-lead-silver deposits have current Mineral Resources<sup>1</sup> (11.21 Mt Indicated Resource at 6.59% zinc, 2.48% lead, and 21.33 g/t silver; and 39.47 Mt Inferred Resource at 5.84% zinc, 3.14% lead, and 38.15 g/t silver) and a Preliminary Economic Assessment<sup>2</sup> (PEA). In addition, Boundary Zone, Tom North and End Zone have significant zinc-lead-silver mineralization drilled but not yet classified as mineral resources. The Project also includes large blocks of adjacent claims with known showings and significant upside exploration potential.
- **Mactung Project (Tungsten):** The Company owns 100% interest in the 37.6 km<sup>2</sup> Mactung Project located adjacent to the Macpass Project. Recently announced mineral resources for Mactung (41.5 Mt Indicated Resource at 0.73% WO<sub>3</sub> and 12.2 Mt Inferred Resource at 0.59% WO<sub>3</sub>)<sup>3</sup> make it the world's largest high-grade resource of the critical mineral tungsten\*. Located in Canada, it is one of the rare large tungsten resources outside of China\*.
- **Gayna Project (Zinc-Lead-Gallium-Germanium):** Fireweed owns 100% of the 128.75 km<sup>2</sup> Gayna Project located 180 km north of the Macpass Project. It is host to extensive mineralization including Critical Minerals zinc, gallium and germanium as well as lead and silver, outlined by 28,000 m of historical drilling. A recent reevaluation of the geology indicates the potential for high-grade Kipushi-style massive sulphide mineralization.

### Qualified Person Statement

Technical information in this news release has been approved by Fireweed's VP Geology, Dr. Jack Milton, P.Geo. (BC), a 'Qualified Person' as defined under Canadian National Instrument 43-101.

In Canada, Fireweed (TSXV: FWZ) trades on the TSX Venture Exchange. In the USA, Fireweed (OTCQB: FWEDF) trades on the OTCQB Venture Market ([www.otcmarkets.com](http://www.otcmarkets.com)) and is DTC eligible for enhanced electronic clearing and settlement. In Europe, Fireweed (FSE: M0G) trades on the Frankfurt Stock Exchange.

Additional information about Fireweed and its projects can be found on the Company's website at [FireweedMetals.com](http://FireweedMetals.com) and at [www.sedarplus.com](http://www.sedarplus.com)

## ON BEHALF OF FIREWEED METALS CORP.

***“Brandon Macdonald”***

CEO & Director

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

### **Data Verification**

The diamond drill core logging and sampling program was carried out under a rigorous quality assurance / quality control program using industry best practices. Drill intersections in this release are NQ2 size core (50.5 mm/ 1.99-inch diameter) with recoveries typically above 85% unless otherwise noted in the results tables. After drilling, core was cleaned, logged for geology, structure, and geotechnical characteristics, then marked for sampling and photographed on site. Certain cores were selected for core scanning. The cores for analyses were marked for sampling based on geological intervals with individual samples 2 m or less in length, with 1 m samples within mineralized zones. Drill core was cut lengthwise in half with a core saw; half-core was sent for assays reported in this news release, and the other half is stored on site for reference. Bulk density was determined on site for the entire length of each assay sample by measurement of mass in air and mass in water. Sample duplicate bulk density determinations and in-house bulk density standard determinations were each made at a rate of 5%. Since 2017, four in-house bulk density standards (mineralized drill core from the Tom deposit that span a range of densities) have been used and show an acceptable long-term precision. Certified standard masses are used to calibrate the scale balance used for bulk density determinations.

A total of 5% assay standards or blanks and 5% core duplicates are included in the sample stream as a quality control measure and are reviewed after analyses are received. Standards and blanks in 2023 drill results to date have been approved as acceptable. Duplicate data add to the long-term estimates of precision for assay data on the project and precision for drill results reported is deemed to be within acceptable levels. With the exception of samples from NB23-031, samples were sent to the Bureau Veritas (BV) preparation laboratory in Whitehorse, Yukon, where the samples were crushed and a 500 g split was sent to the BV laboratory in Vancouver, B.C to be pulverized to 85% passing 200 mesh size pulps. Clean crush material was passed through the crusher and clean silica was pulverized between each sample. The pulps were analyzed by 1:1:1 Aqua Regia digestion followed by Inductively Coupled Plasma Mass Spectrometry (ICP-ES/ICP-MS) multi-element analyses (BV Code AQ270). All samples were also analyzed for multiple elements by lithium borate fusion and X-ray fluorescence analysis (XRF) finish (BV Code LF725). Over-limit lead (>25.0%) and zinc (>24.0%) were analyzed by lithium borate fusion with XRF finish (BV Code LF726). For BV samples, silver is reported in this news release by method AQ270, and zinc and lead are reported by LF725 or LF726. Samples from NB23-031 were sent to AGAT labs in Calgary. Samples were crushed, of which 500 g was split and then pulverized to 90% passing 75 microns. Clean crush material was passed through the crusher and clean silica was pulverized between each sample. The pulps were analyzed by Aqua Regia digestion followed by Inductively Coupled Plasma Mass Spectrometry (ICP-OES/ICP-MS) multi-element analyses (AGAT Code 201-074). All samples were also analyzed for multiple elements by lithium borate fusion and X-ray fluorescence analysis (XRF) finish (AGAT code 11-323). For AGAT samples, silver is reported in this news release by method 201-074, and zinc and lead are reported by 11-323. Bureau Veritas (Vancouver) and AGAT (Calgary) are independent, international ISO/IEC 17025:2017 accredited laboratories.

Assay values may appear rounded to one decimal place but are given in full in Table 1, Table 2, and Cross Sections where zinc and lead grades are reported to two decimal places.

Results in this news release are length and bulk-density weighted averages as would be used in a Mineral Resource estimate. Length and bulk-density weighted averages have been reported as these most accurately represent the average metal-content of the intersections.

True widths for primary intervals are estimated by measuring perpendicular to strike within the short axis of a stratiform wireframe that has been constructed in 3D around the mineralized intercepts at Boundary Zone based on assay results, geological logging, stratigraphic correlation, and bedding measurements from oriented core. The massive sulphide mineralization and laminated mineralization at Boundary Zone are mostly stratiform (oriented parallel to bedding), therefore the true width, or thickness, of the zone is estimated perpendicular to both the strike and dip direction of bedding. Vein and breccia mineralization at Boundary Zone are interpreted to be stockworks with variable shapes and true widths cannot be accurately estimated, therefore only intersected widths are reported, and true widths are marked as N/A in the assay tables. True widths are rounded to the nearest metre for widths over 10 m and to the nearest 0.1 m for widths less than 10 m, as this better reflects the precision of the estimates. True widths should be regarded as approximate as these are derived from an estimation that uses a preliminary interpretation of the geological model. True widths for nested intervals (marked as "Including" in results tables) are estimated using a ratio of included to primary intersected widths to attribute appropriate portions of the true width of the primary interval to the nested intervals.

Sphalerite and galena have been identified visually by experienced core logging geologists, and licenced professional geoscientists, and confirmed by portable XRF (X-Ray fluorescence). No absolute visual estimates of mineral abundances or inferences of potential zinc or lead grades have been stated for holes without assay values in this news release.

## **Cautionary Statements**

### *Forward Looking Statements*

*This news release contains "forward-looking" statements and information ("forward-looking statements"). All statements, other than statements of historical facts, included herein, including, without limitation, statements relating to interpretation of drill results and projections of mineralization, future work plans, the use of funds, and the potential of the Company's projects, are forward looking statements. Forward-looking statements are frequently, but not always, identified by words such as "expects", "anticipates", "believes", "intends", "estimates", "potential", "possible", and similar expressions, or statements that events, conditions, or results "will", "may", "could", or "should" occur or be achieved. Forward-looking statements are based on the beliefs of Company management, as well as assumptions made by and information currently available to Company management and reflect the beliefs, opinions, and projections on the date the statements are made. Forward-looking statements involve various risks and uncertainties and accordingly, readers are advised not to place undue reliance on forward-looking statements. There can be no assurance that such statements will prove to be accurate, and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's expectations include but are not limited to, exploration and development risks, unanticipated reclamation expenses, expenditure and financing requirements, general economic conditions, changes in financial markets, the ability to properly and efficiently staff the Company's operations, the sufficiency of working capital and funding for continued operations, title matters, First Nations relations, operating hazards, political and economic factors, competitive factors, metal prices, relationships with vendors and strategic partners, governmental regulations and oversight, permitting, seasonality and weather, technological change, industry practices, uncertainties involved in the interpretation of drilling results and*

*laboratory tests, and one-time events. The Company assumes no obligation to update forward-looking statements or beliefs, opinions, projections or other factors, except as required by law.*

## **Footnotes and References**

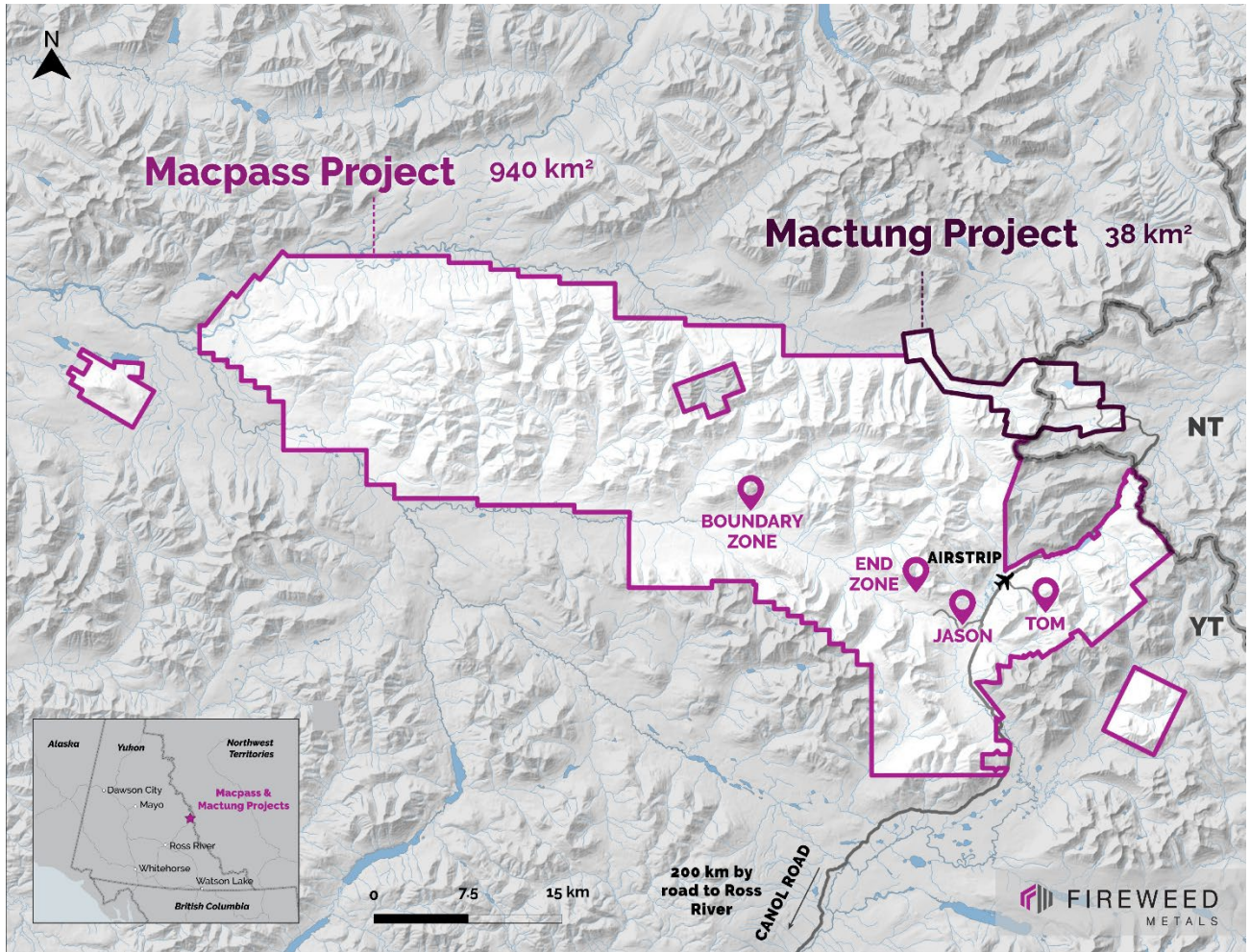
\* References to relative size and grade of the Mactung resources and Macpass resources in comparison to other tungsten and zinc deposits elsewhere in the world, respectively, are based on review of the Standard & Poor's Global Market Intelligence Capital IQ database.

<sup>1</sup>: For details, see <https://www.sedarplus.ca/> Fireweed Technical Report titled "NI 43-101 Technical Report on the Macmillan Pass Zinc-Lead-Silver Project, Watson Lake and Mayo Mining Districts Yukon Territory, Canada" filed on <https://www.sedarplus.ca/> on February 23, 2018, and Fireweed News Release dated January 10, 2018. .

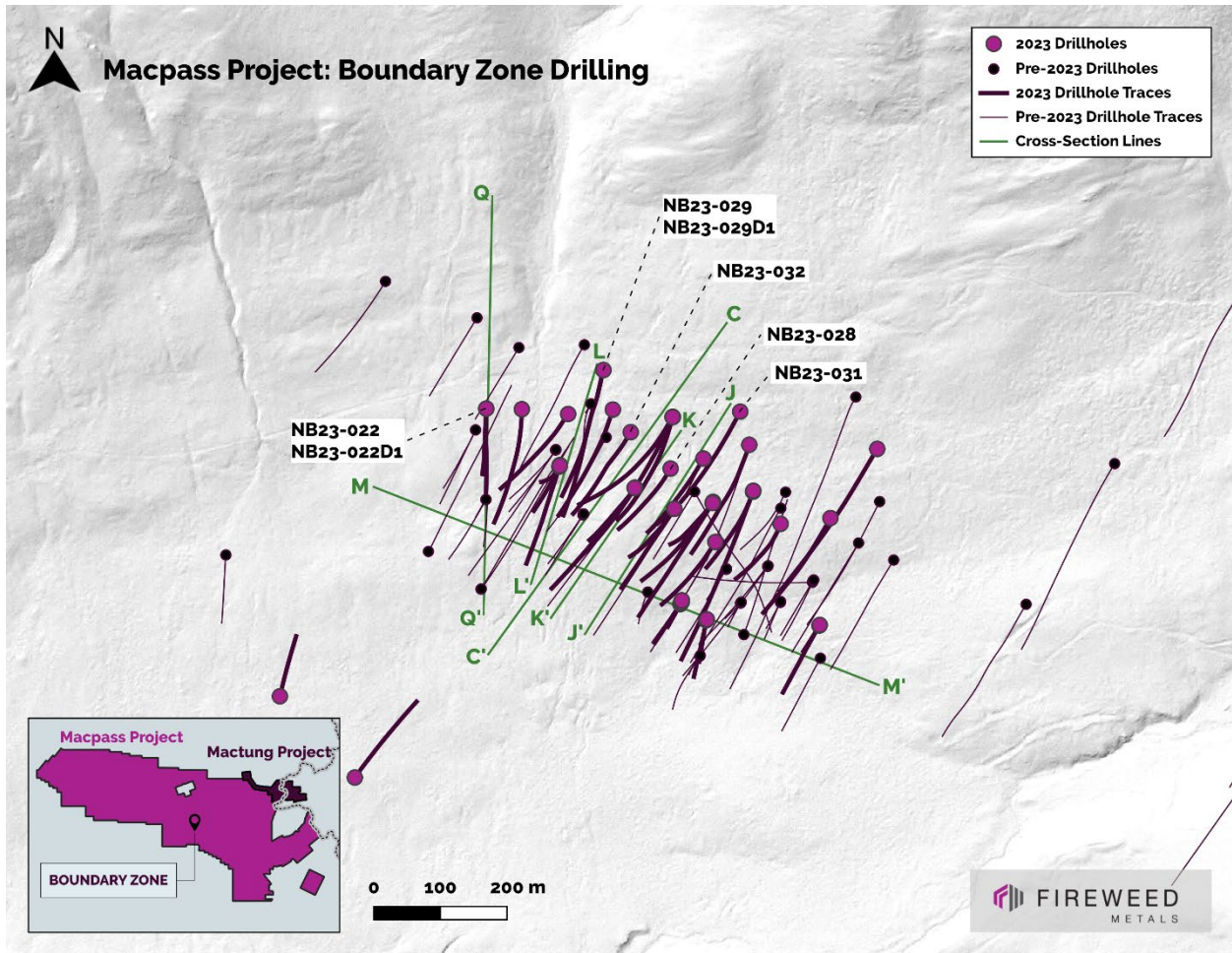
<sup>2</sup>: For details, see <https://www.sedarplus.ca/> Fireweed Technical Report titled "NI 43-101 Technical Report Macmillan Pass Project Yukon Territory Canada" filed on <https://www.sedarplus.ca/> on July 9, 2018, and Fireweed News Release dated May 23, 2018. This Technical Report includes a Preliminary Economic Analysis disclosing an economic analysis of mineral resources that is preliminary in nature and does not include any mineral reserves. It is equally emphasized that the mineral resources disclosed within this Technical Report are not mineral reserves and do not have demonstrated economic viability.

<sup>3</sup>: For details, see Fireweed news release dated June 13, 2023 "Fireweed Metals Announces Mineral Resources for the Mactung Project: the Largest High-Grade Tungsten Deposit in the World" and the technical report entitled "NI 43-101 Technical Report, Mactung Project, Yukon Territory, Canada," with effective date July 28, 2023 filed on <https://www.sedarplus.ca/>



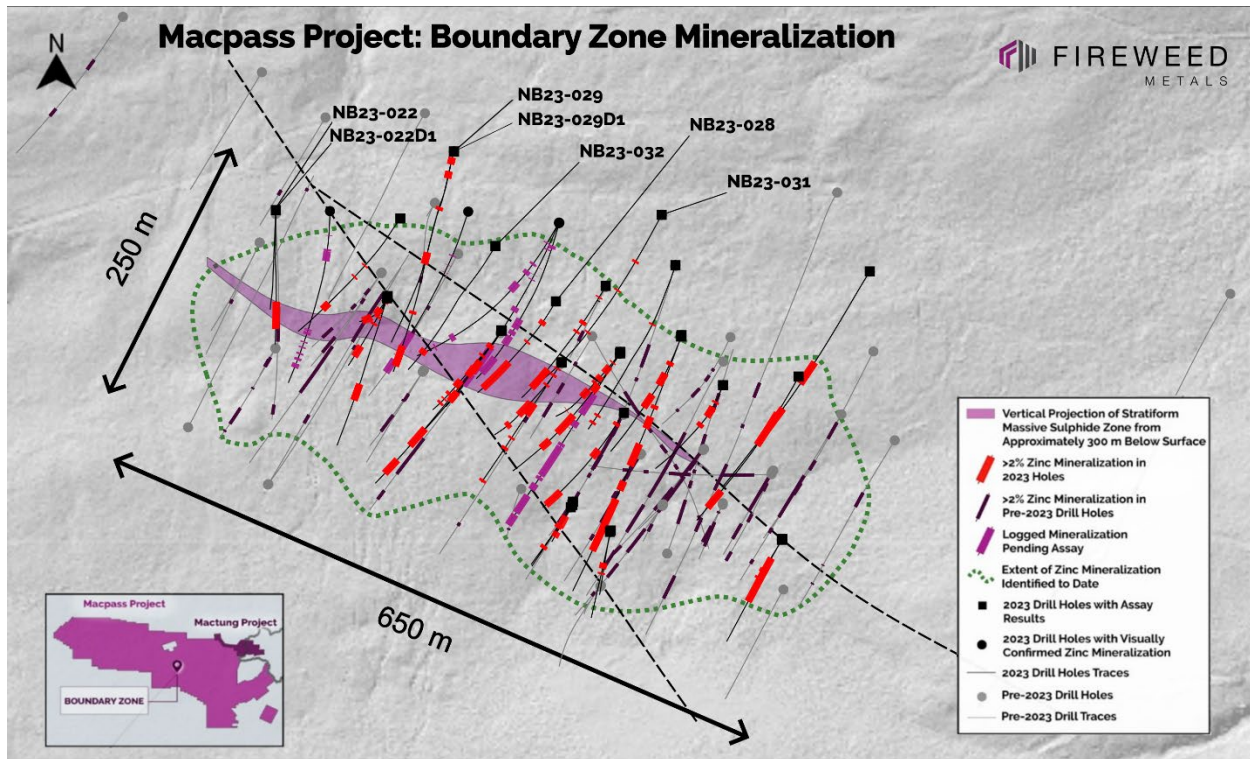


**Map 1:** Macpass Project and Mactung Project locations

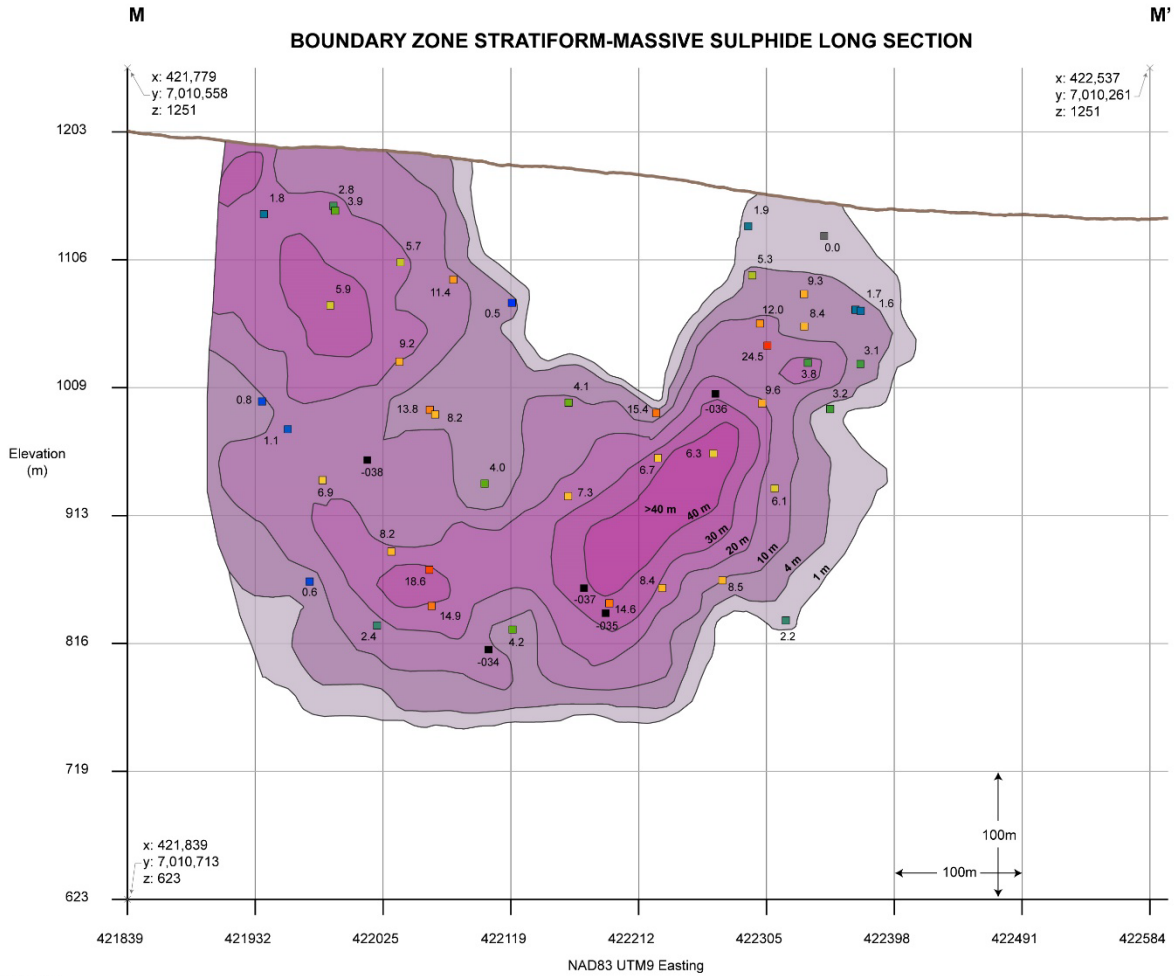


**Map 2:** Location of 2023 Boundary Zone drillholes, cross sections and long section M–M'. See below for sections.





**Map 3:** Mineralized intervals in 2023 drilling and pre-2023 drilling defining a stratiform laminated to massive sulphide zone that is connected at depth (purple polygon) and a broader envelope of vein, breccia, and other stratiform zinc mineralization, showing significant areal extent (within green dashed line).



**LEGEND**

- 18.6 = Zinc (%) average grade of drillhole intersection
  - 028 = Intersection mid-point for drillholes with assays pending. NB23- hole number labelled.
- ESTIMATED TRUE THICKNESS OF MASSIVE SULPHIDE TO LAMINATED ZONE
- greater than 40 m
  - 30 m to 40 m
  - 20 m to 30 m
  - 10 m to 20 m
  - 4 m to 10 m
  - 1 m to 4 m

**SECTION NOTES**

This long section shows points representing the midpoints of intersections only within the stratiform laminated to massive sulphide layer at Boundary Zone. The section does not include the extensive intersections of breccia and vein mineralization located outside of the stratiform layer. The estimated true thickness of the stratiform laminated to massive sulphide layer has been interpolated between drillholes, contoured, and projected onto a preliminary interpretation of the footwall surface of the mineralized zone.

Assay results are for composites within the stratiform domain, and may not include vein mineralization on either side of each composite that falls outside the interpreted limits of the stratiform zone. For full assay results from intersections in pre-2023 drillholes, see Fireweed news releases on [www.SEDAR.com](http://www.SEDAR.com) for the period 2018-2023.

**SECTION LOCATION**

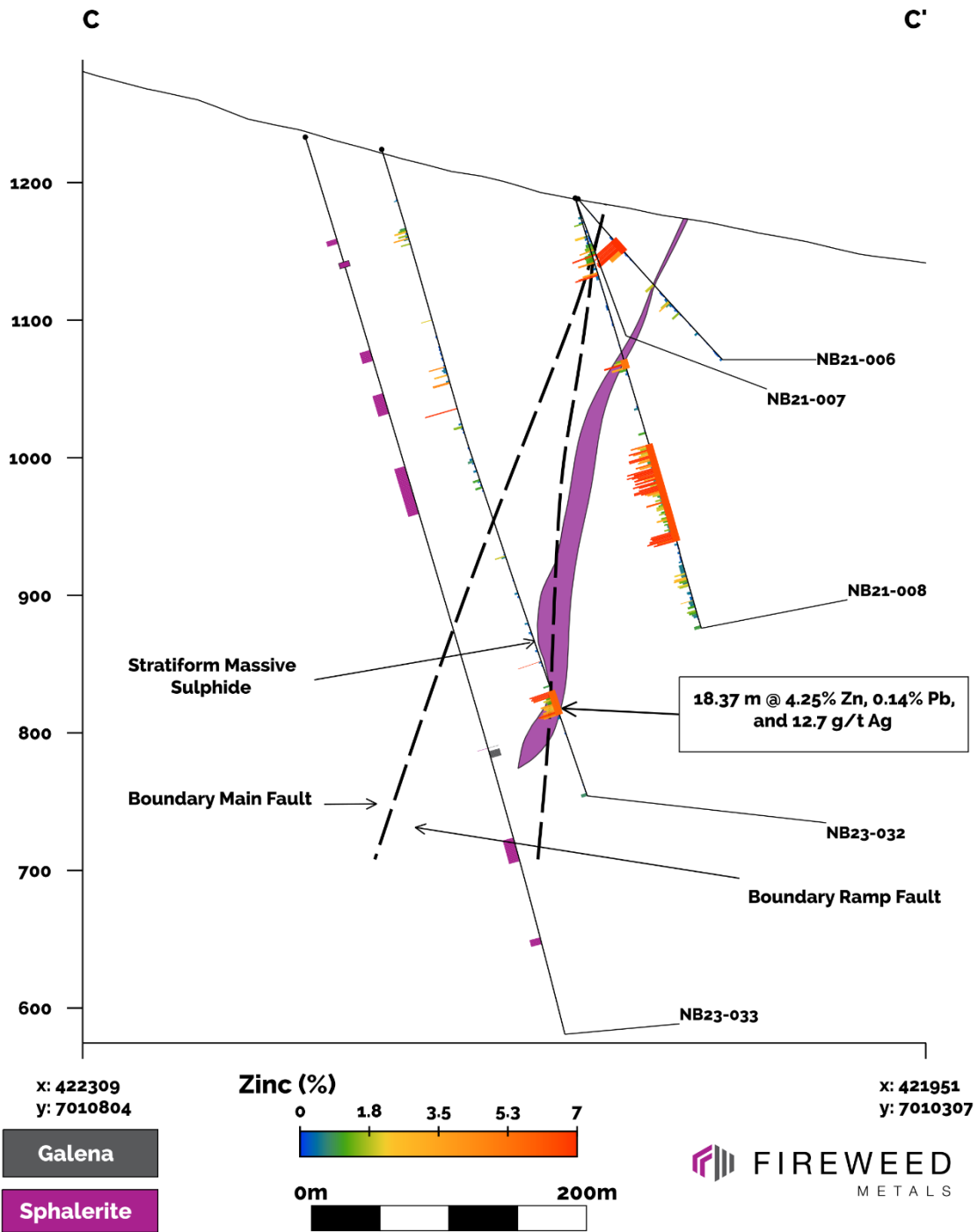
This is an inclined long section with the section plane located within the plane of the stratiform layer. The section plane dips -75° towards 021. The section view is towards 021° at an inclination of 15° above horizontal.

XYZ coordinates of three points are given on the long section within the section plane



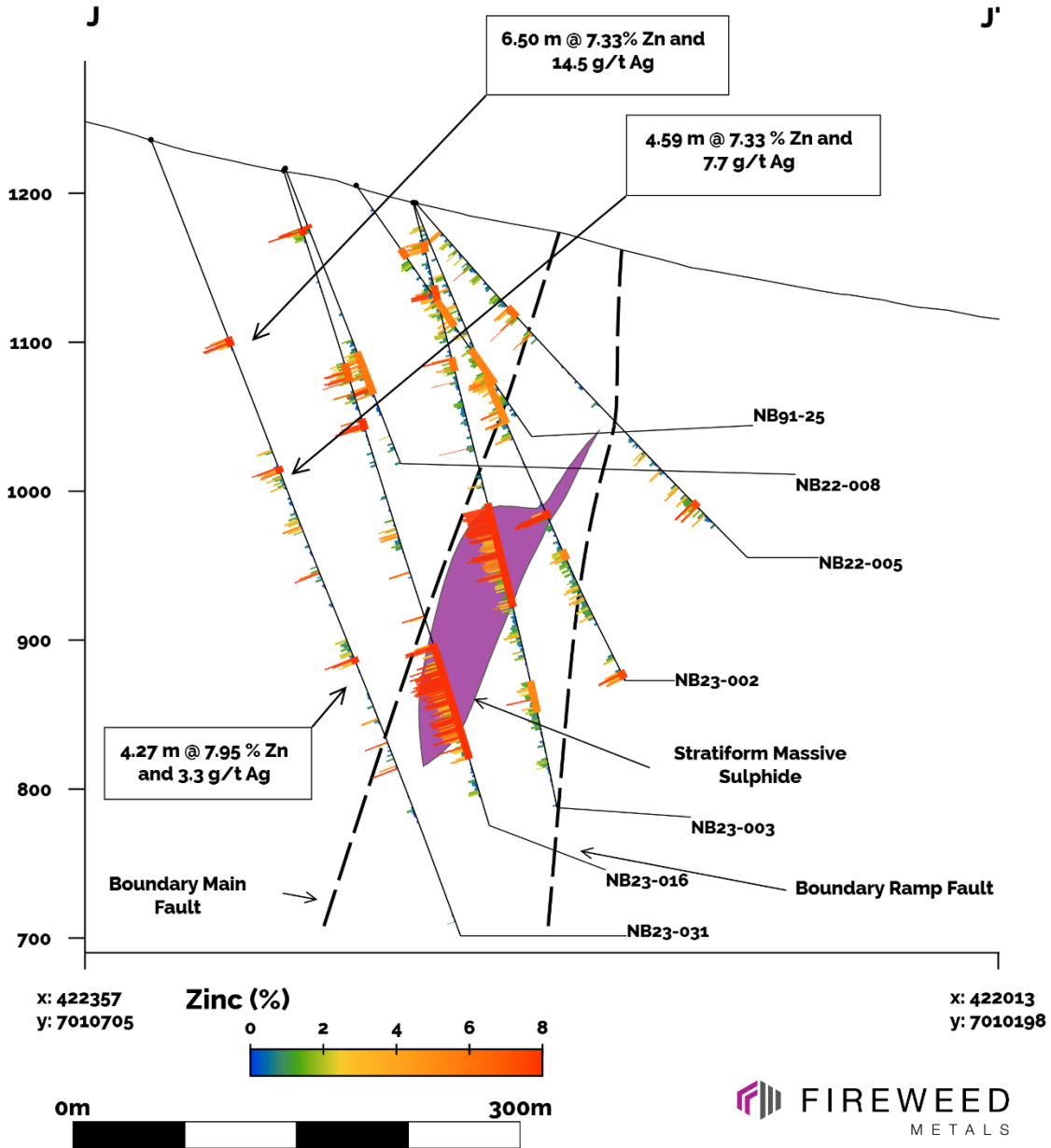
**Long Section M–M’** – Estimated true thickness interpretation and selected intersections with zinc grades shown within the laminated to massive sulphide stratiform zone of pyrite-sphalerite-galena mineralization at Boundary Zone including midpoints of holes with assays pending. Halo vein and breccia mineralization is not included in this long section.

# Boundary Zone Cross Section C to C'



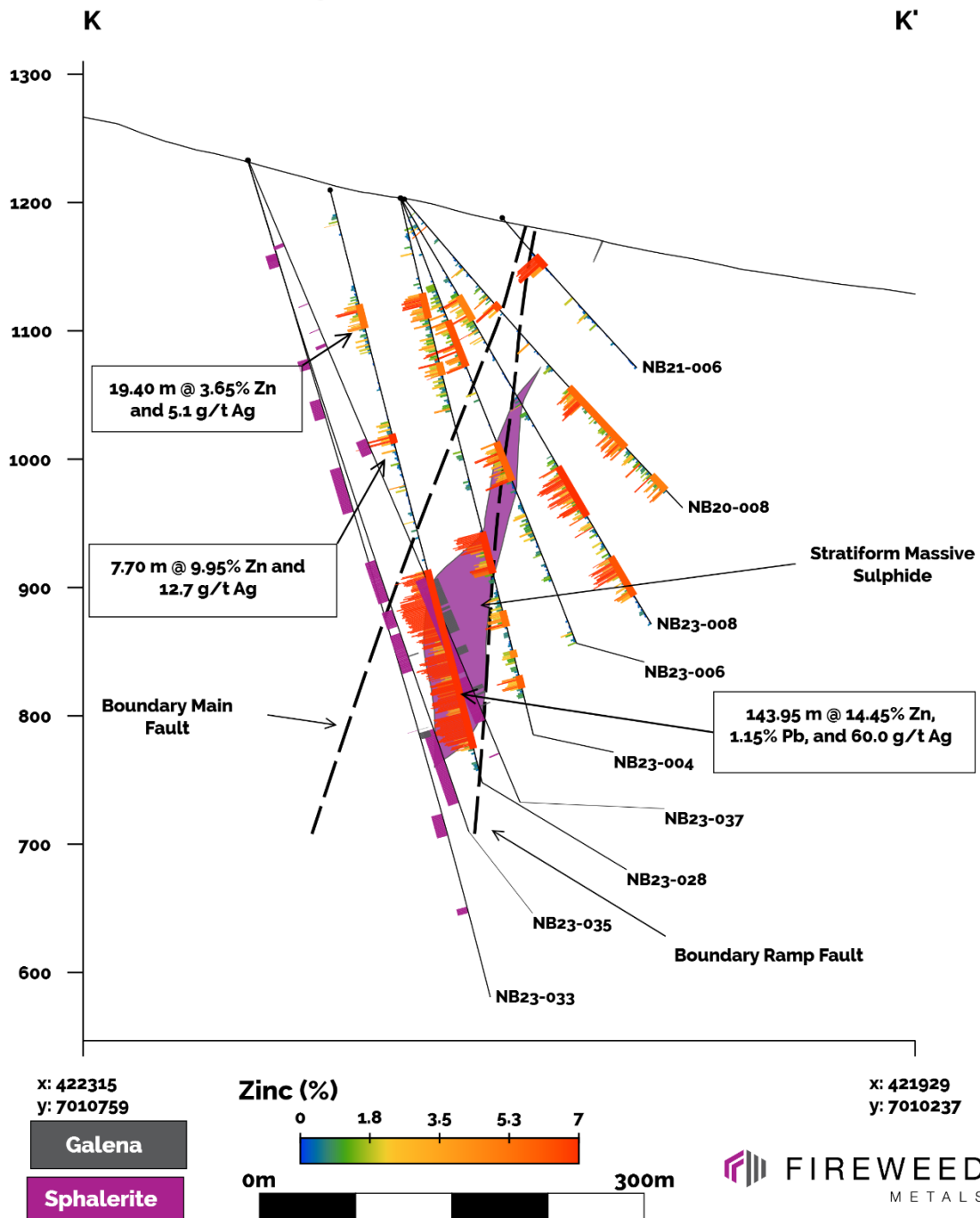
**Cross Section C–C'** — Including analytical results for hole NB23-032 and visually confirmed mineralization for hole NB23-033

# Boundary Zone Cross Section J to J'



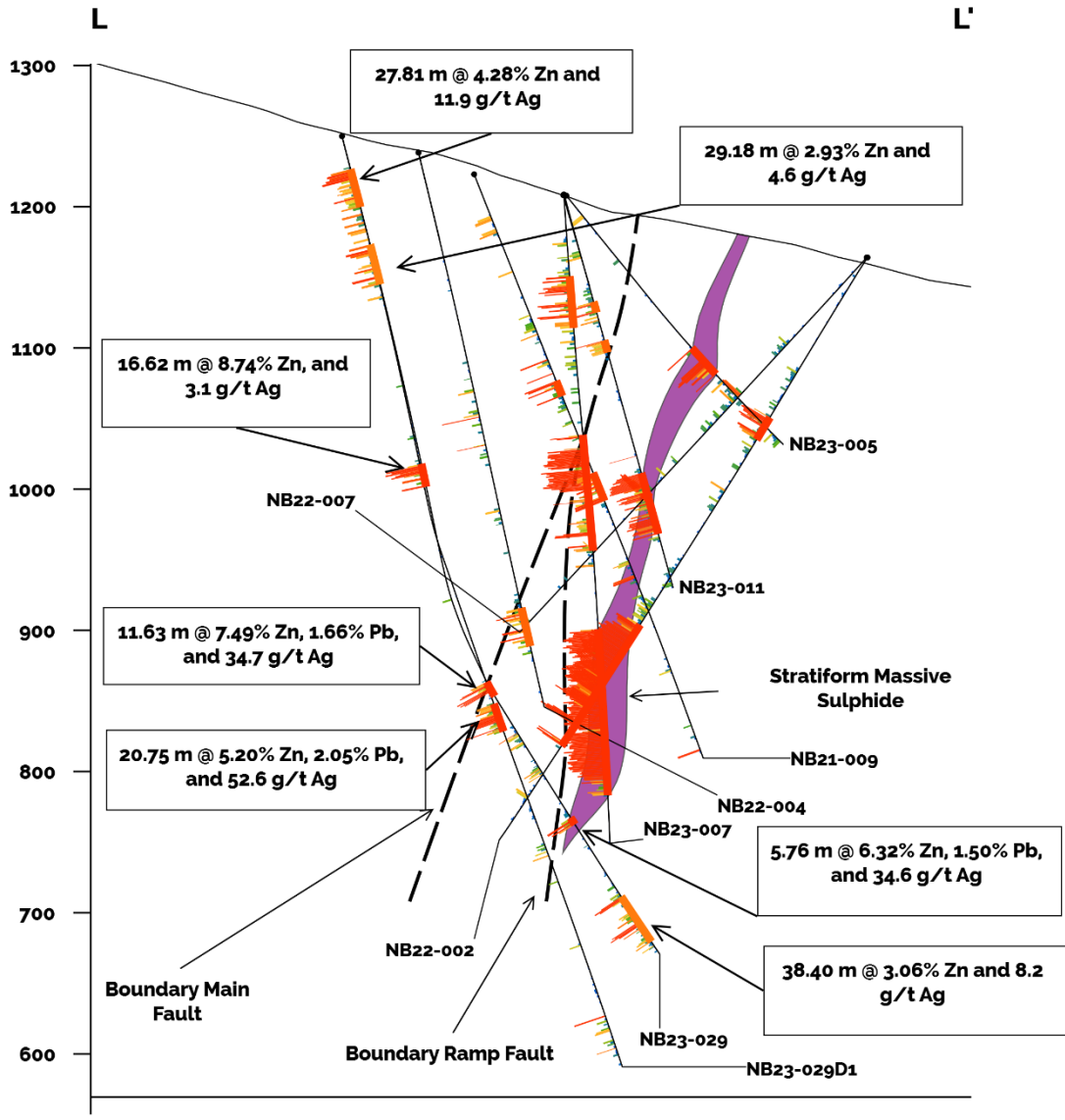
Cross Section J-J' — Including analytical results for hole NB23-031

# Boundary Zone Cross Section K to K'



Cross Section K-K' — Including analytical results for hole NB23-028 and visually confirmed mineralization for holes NB23-033, NB23-035, and NB23-037

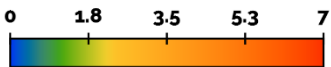
# Boundary Zone Cross Section L to L'



x: 422177  
y: 7010903



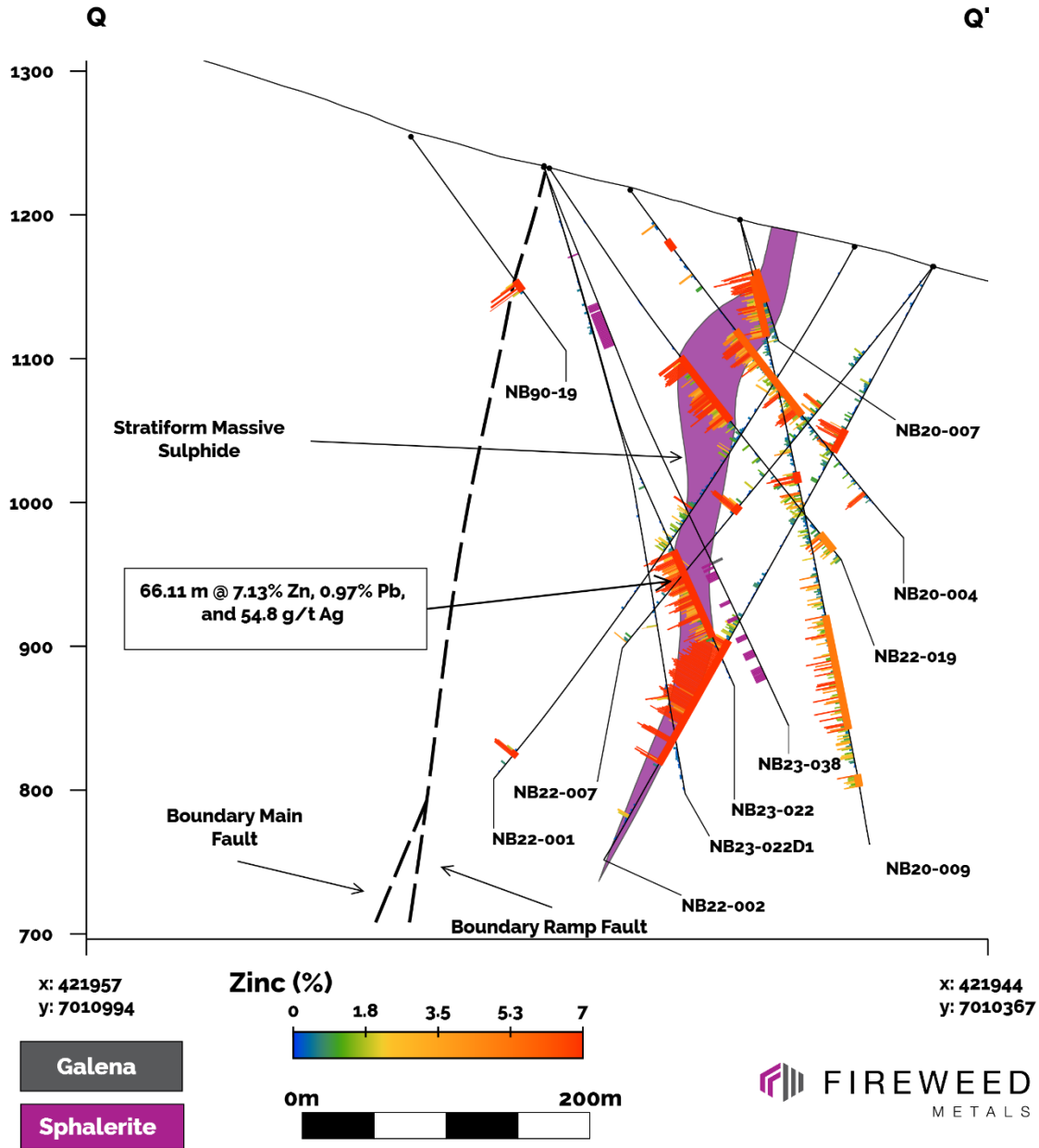
Zinc (%)



Cross Section L-L' — Including analytical results from Holes NB23-029 and NB23-029D1



# Boundary Zone Cross Section Q to Q'



Cross Section Q-Q' — Including analytical results from Hole NB23-022 and NB23-022D1 as well as visually confirmed mineralization for hole NB23-038



**Photo 1: High resolution core scanning image of stratiform and massive to semi-massive sulphide mineralization in NB23-028 (330.2 m to 340.1 m)**



**Photo 2: High resolution core scanning image of sphalerite-pyrite-siderite vein mineralization in NB23-029 (237.5 m to 247 m)**





**Photo 3: High resolution core scanning image of sphalerite-pyrite-galena-siderite breccia and massive sulphide mineralization in NB23-029 (598.4 m to 607.9 m)**

**Table 2: NB23-017, NB23-018, NB23-019, NB23-020, NB23-021, NB23-024, NB23-025, NB23-026, NB23-027, NB23-030 drill results**

Drillhole	Interval	From (m)	To (m)	Interval Width (m)	Est. True Width (m) ‡	Zinc (%)	Lead (%)	Silver (g/t)	Bulk Density (t/m <sup>3</sup> )
NB23-022	Entire Hole†	0.00	386.00	386.00	N/A	1.84	0.26	15.5	3.04
NB23-022	Primary	282.65	348.76	66.11	18	7.13	0.97	54.8	4.47
NB23-022	Including	282.65	332.73	50.08	14	7.99	1.12	61.7	4.78
NB23-022D1	Entire Hole†	0.00	448.00	448.00	N/A	0.07	0.02	1.5	2.76
NB23-022D1	Primary	378.50	381.00	2.50	N/A	5.13	0.43	33.8	3.12
NB23-028	Entire Hole†	0.00	477.00	477.00	N/A	5.65	0.43	23.3	3.15
NB23-028	Primary	91.90	111.30	19.40	N/A	3.65	0.04	5.1	3.09
NB23-028	Including	94.72	98.10	3.38	N/A	8.55	0.07	8.1	3.39
NB23-028	Primary	196.10	203.80	7.70	N/A	9.95	0.04	12.7	2.86
NB23-028	Including	197.60	202.30	4.70	N/A	14.23	0.06	17.9	2.91
NB23-028	Primary	305.60	449.55	143.95	50	14.45	1.15	60.0	3.75
NB23-028	Including	306.44	443.23	136.79	48	14.90	1.18	61.7	3.77
NB23-028	>Including	310.35	314.50	4.15	1.4	14.55	4.69	163.0	3.89
NB23-028	>Including	321.79	350.50	28.71	10	25.52	1.27	91.3	3.90
NB23-028	>>Including	327.60	337.74	10.14	3.5	32.72	1.34	109.8	4.06
NB23-028	>Including	420.31	439.61	19.30	6.7	19.06	1.12	62.7	4.00
NB23-029	Entire Hole†	0.00	629.50	629.50	N/A	1.17	0.08	4.4	2.93
NB23-029	Primary*	24.14	51.95	27.81	N/A	4.28	0.06	11.9	3.08
NB23-029	Including*	24.14	31.57	7.43	N/A	9.21	0.05	13.8	3.07

Drillhole	Interval	From (m)	To (m)	Interval Width (m)	Est. True Width (m) ‡	Zinc (%)	Lead (%)	Silver (g/t)	Bulk Density (t/m <sup>3</sup> )
NB23-029	Primary*	79.27	108.45	29.18	N/A	2.93	0.02	4.6	2.77
NB23-029	Primary	238.82	255.44	16.62	N/A	8.74	0.03	11.1	3.09
NB23-029	Including	239.82	246.22	6.40	N/A	17.05	0.06	21.6	3.40
NB23-029	Including	239.82	245.44	5.62	N/A	18.39	0.06	23.6	3.49
NB23-029	Primary	400.87	412.50	11.63	unknown	7.49	1.66	34.7	3.14
NB23-029	Including	400.87	412.00	11.13	unknown	7.79	1.66	35.3	3.15
NB23-029	Including	402.82	408.38	5.56	unknown	13.21	0.96	34.1	3.42
NB23-029	Primary	514.00	519.76	5.76	unknown	6.32	1.50	34.6	3.06
NB23-029	Including	515.50	519.76	4.26	unknown	7.73	1.91	39.7	3.16
NB23-029	Primary	580.43	618.83	38.40	unknown	3.06	0.08	8.2	3.47
NB23-029	Including	580.43	582.86	2.43	unknown	11.91	0.36	26.6	4.39
NB23-029	Including	601.94	604.88	2.94	unknown	13.21	0.09	21.5	4.30
NB23-029D1	Entire Hole†	0.00	689.50	689.50	N/A	0.31	0.11	3.4	2.84
NB23-029D1	Primary	416.75	437.50	20.75	unknown	5.20	2.05	52.6	3.80
NB23-029D1	Including	423.50	430.00	6.50	unknown	8.43	3.27	82.3	4.17
NB23-031	Entire Hole†	0.00	574.00	574.00	N/A	0.46	0.01	1.9	2.83
NB23-031	Primary	142.40	148.90	6.50	N/A	7.33	0.05	14.5	2.92
NB23-031	Including	142.40	147.40	5.00	N/A	8.76	0.06	16.5	2.96
NB23-031	Primary	235.57	240.16	4.59	N/A	7.33	0.02	7.7	3.23
NB23-031	Primary	373.33	377.60	4.27	N/A	7.95	0.01	3.3	2.81
NB23-032	Entire Hole†	0.00	493.34	493.34	N/A	0.36	0.04	3.0	2.94
NB23-032	Primary	412.55	430.92	18.37	8	4.25	0.14	12.7	3.27
NB23-032	Including*	412.55	417.00	4.45	2	7.55	0.19	17.3	2.96

\* Denotes intervals with recovery of less than 85%; N/A: Not Applicable due to the variable shapes of breccia and vein mineralization.

† Entire hole intervals contain large continuous sections of very low grade or not mineralized material (below 2% zinc)—intersections of continuous higher-grade material (>2% zinc) are listed as Primary and Included intervals and represent mineralized material.

‡ See “Data Verification” for a description of true width calculations

**Table 3: 2023 Drilling Summary**

Drillhole	Length (m)	Zone	Significant Intersection	Type
NB23-001	460	Boundary	Results disclosed Jul 26	Step Out
NB23-002	351	Boundary	Results disclosed Jul 26	Step Out
NB23-003	418	Boundary	Results disclosed Jul 26	Step Out
NB23-004	432	Boundary	Results disclosed Aug 22	Step Out
NB23-005	234	Boundary	Results disclosed Aug 22	Step Out
NB23-006	373	Boundary	Results disclosed Aug 22	Step Out
NB23-007	461	Boundary	Results disclosed Aug 22	Step Out
NB23-008	385	Boundary	Results disclosed Aug 22	Step Out
NB23-009	67	Boundary	Hole abandoned and redrilled as NB23-011	Step Out
NB23-010	96	Boundary	Results disclosed Oct 24	Step Out
NB23-011	289	Boundary	Results disclosed Oct 24	Step Out
NB23-012	452	Boundary	Results disclosed Oct 24	Step Out
NB23-013	551	Boundary	Results disclosed Oct 24	Step Out
NB23-014	223	Boundary	Results disclosed Oct 24	Step Out
NB23-015	339	Boundary	Results disclosed Oct 24	Step Out
NB23-016	460	Boundary	Results disclosed Oct 24	Step Out
NB23-017	96	Boundary	Results disclosed Nov 30	Step Out
NB23-018	195	Boundary	Results disclosed Nov 30	Step Out
NB23-019	560	Boundary	Results disclosed Nov 30	Step Out
NB23-020	414	Boundary	Results disclosed Nov 30	Infill
NB23-021	442	Boundary	Results disclosed Nov 30	Infill
NB23-022	386	Boundary	Results disclosed this release	Step Out
NB23-022D1	448	Boundary	Results disclosed this release	Step Out
NB23-023	181	Boundary	Results disclosed Nov 30	Step Out
NB23-024	402	Boundary	Results disclosed Nov 30	Infill
NB23-025	580	Boundary	Results disclosed Nov 30	Step Out
NB23-026	111	Boundary	Results disclosed Nov 30	Step Out
NB23-027	396	Boundary	Results disclosed Nov 30	Infill
NB23-028	477	Boundary	Results disclosed this release	Step Out
NB23-029	640	Boundary	Results disclosed this release	Step Out
NB23-029D1	689	Boundary	Results disclosed this release	Step Out
NB23-030	526	Boundary	Results disclosed Nov 30	Step Out
NB23-031	574	Boundary	Results disclosed this release	Step Out
NB23-032	495	Boundary	Results disclosed this release	Step Out
NB23-033	681	Boundary	Narrow Zone Encountered	Step Out
NB23-034	580	Boundary	Wide Zone Encountered	Step Out
NB23-035	552	Boundary	Moderate Zone Encountered	Step Out
NB23-036	397	Boundary	Wide Zone Encountered	Step Out
NB23-037	544	Boundary	Wide Zone Encountered	Step Out
NB23-038	427	Boundary	Moderate Zone Encountered	Step Out
TS23-001	143	Tom North	Minor Mineralization Encountered	Step Out
TS23-002	182	Tom North	Minor Mineralization Encountered	Step Out

Drillhole	Length (m)	Zone	Significant Intersection	Type
TS23-003	299	Tom West	Wide Zone Encountered	Step Out
TS23-004	369	Tom West	Moderate Zone Encountered	Step Out
TS23-005	407	Tom West	Moderate Zone Encountered	Step Out
TS23-006	137	Tom West	Moderate Zone Encountered	Step Out
TS23-007	215	Tom West	Moderate Zone Encountered	Step Out
TS23-008	428	Tom West	Moderate Zone Encountered	Step Out
TS23-009	749	Tom South	Wide Zone Encountered	Step Out
TS23-009D1	747	Tom South	Wide Zone Encountered	Redrill
TS23-009D2	821	Tom South	Wide Zone Encountered	Step Out
JS23-001	631	Jason South	Narrow Zone Encountered	Step Out
JS23-001D1	665	Jason South	Wide Zone Encountered	Step Out
BX23-001	219	Boundary South	No significant mineralization	Exploration
BX23-002	144	Boundary South	No significant mineralization	Exploration
KB23-001	368	Kobuk	No significant mineralization	Exploration
KB23-002	284	Kobuk	No significant mineralization	Exploration

**Table 4: Drill Hole Collar Information**

Drillhole	Zone	Length (m)	Easting	Northing	Elevation (m.s.l)	Azimuth (°)	Dip (°)
NB23-001	Boundary	460	422297	7010471	1185.86	211.99	-76.42
NB23-002	Boundary	351	422235	7010525	1194.57	214.06	-70.22
NB23-003	Boundary	418	422235	7010525	1194.57	213.40	-78.00
NB23-004	Boundary	432	422171	7010556	1203.00	213.91	-78.08
NB23-005	Boundary	234	422058	7010589	1207.95	199.63	-49.74
NB23-006	Boundary	373	422171	7010556	1203.00	215.44	-70.02
NB23-007	Boundary	461	422058	7010589	1207.95	206.37	-86.43
NB23-008	Boundary	385	422171	7010556	1203.00	215.83	-60.07
NB23-009	Boundary	67	422058	7010589	1208.67	198.54	-75.41
NB23-010	Boundary	96	422241	7010385	1150.41	212.28	-45.00
NB23-011	Boundary	289	422058	7010589	1208.67	201.59	-75.40
NB23-012	Boundary	452	422289	7010534	1200.90	211.75	-69.90
NB23-013	Boundary	551	422072	7010666	1233.59	214.94	-77.68
NB23-014	Boundary	223	422241	7010384	1150.86	213.68	-70.83
NB23-015	Boundary	339	422241	7010385	1150.41	213.36	-84.00
NB23-016	Boundary	461	422274	7010600	1216.70	209.88	-72.96
NB23-017	Boundary	96	422279	7010359	1142.67	191.27	-46.90
NB23-018	Boundary	195	422279	7010359	1142.67	190.21	-65.21
NB23-019	Boundary	561	422289	7010534	1200.90	209.95	-81.31
NB23-020	Boundary	414	422465	7010510	1191.44	204.85	-63.35
NB23-021	Boundary	442	422391	7010500	1190.07	201.97	-77.01
NB23-022	Boundary	386	421948	7010672	1232.44	178.85	-74.18

Drillhole	Zone	Length (m)	Easting	Northing	Elevation (m.s.l)	Azimuth (°)	Dip (°)
NB23-022D1	Boundary	448	421948	7010672	1232.44	177.78	-74.00
NB23-023	Boundary	181	422449	7010351	1145.42	211.82	-49.18
NB23-024	Boundary	405	422348	7010550	1203.82	199.65	-50.18
NB23-025	Boundary	582	422343	7010620	1219.03	196.94	-74.05
NB23-026	Boundary	111	422449	7010351	1145.42	210.02	-65.44
NB23-027	Boundary	451	422348	7010550	1203.82	197.18	-72.46
NB23-028	Boundary	467	422222	7010587	1209.75	211.38	-65.44
NB23-029	Boundary	630	422124	7010731	1250.31	196.21	-75.67
NB23-029D1	Boundary	690	422124	7010731	1250.31	196.21	-75.67
NB23-030	Boundary	526	422535	7010614	1214.65	211.44	-62.01
NB23-031	Boundary	574	422329	7010671	1235.88	207.69	-69.87
NB23-032	Boundary	493	422165	7010640	1224.09	210.08	-62.01
NB23-033	Boundary	681	422228	7010663	1233.01	211.31	-73.88
NB23-034	Boundary	580	422138	7010674	1237.24	199.07	-72.40
NB23-035	Boundary	552	422228	7010663	1232.97	199.00	-72.02
NB23-036	Boundary	398	422289	7010534	1200.89	212.26	-59.46
NB23-037	Boundary	544	422228	7010663	1232.94	204.73	-66.10
NB23-038	Boundary	427	422001	7010675	1233.60	179.75	-68.10
TS23-001	Tom North	143	441761	7004226	1492.16	075.08	-49.66
TS23-002	Tom North	182	441761	7004226	1492.16	074.97	-80.38
TS23-003	Tom West	299	441676	7004024	1445.00	074.17	-68.51
TS23-004	Tom West	369	441694	7003884	1463.34	067.38	-71.48
TS23-005	Tom West	407	441761	7003770	1510.00	063.25	-75.35
TS23-006	Tom West	137	441779	7004076	1485.36	065.15	-50.08
TS23-007	Tom West	215	441779	7004076	1485.36	065.23	-78.04
TS23-008	Tom West	428	441816	7003717	1538.00	089.53	-88.95
TS23-009	Tom South	749	442363	7003106	1747.29	351.97	-82.00
TS23-009D1	Tom South	748	442363	7003106	1747.29	351.97	-82.00
TS23-009D2	Tom South	821	442363	7003106	1747.29	351.97	-82.00
JS23-001	Jason South	631	436722	7002304	1185.00	228.15	-83.90
JS23-001D1	Jason South	665	436722	7002304	1185.00	228.15	-83.90
BX23-001	Boundary Expl.	219	421752	7010127	1114.70	035.16	-50.19
BX23-002	Boundary Expl.	144	421637	7010243	1137.50	014.78	-49.83
KB23-001	Kobuk	368	418651	7012138	1311.00	006.19	-51.12
KB23-002	Kobuk	284	418754	7011620	1225.00	006.00	-65.24

Coordinates listed in NAD83 UTM Zone 9N.