

# Fireweed Drills 12.5 m of 11.17% Zinc including 6.2 m of 15.84% Zinc at Boundary Main

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VANCOUVER, Jan. 31, 2023 - [Fireweed Metals Corp.](#) ("Fireweed" or the "Company") (TSXV: FWZ; OTCQB: FWEDF, formerly Fireweed Zinc Ltd.) is pleased to announce further results from the 2022 drill program at Macmillan Pass, Yukon, Canada (Map 1).

## Highlights

- At Boundary Main step-out drillhole NB22-006 intersected 12.5 m of 11.17% zinc including 6.2 m of 15.84% zinc.
- A new laminated zone in hole NB22-008 returned 14.55% zinc, 1.50% lead, and 28.8 g/t silver over 2.65 m.
- Copper-zinc mineralization was intersected in NB22-006 over 10.5 m grading 0.45% copper and 2.32% zinc.
- Assay results from 24 additional drill holes at Boundary and Tom Zones are pending.

## CEO Statement

Brandon Macdonald, CEO, stated, "Drilling continues to extend the Boundary Zones with high-grade step-out drill results, including the discovery of a new stratiform zone. The zones remain open along trend and to depth for further extension. Many additional 2022 drill results are pending and we have started planning the biggest drill program in the history of the project for 2023."

## New Boundary Drillholes Results

### NB22-008

Laminated sphalerite-galena-barite-pyrite mineralization was intersected in NB22-008 within only 35 m from surface and occurs within the same late-Devonian stratigraphy that hosts the Tom and Jason deposits. This zone graded 8.08% zinc, 0.82% lead, and 17.8 g/t silver over 5.58 m, containing a higher grade 2.65 m interval of 14.55% zinc, 1.50% lead and 28.8 g/t silver (Table 1). This represents a new discovery of a high-grade laminated zone at Boundary Main and remains open to the north and west.

Deeper in NB22-008, a broad zone of sphalerite mineralization was intersected, grading 3.32% zinc over 30.68 m (including higher grade intervals listed in Table 1), representing a ~65 m step-out down-dip from the historic Cominco hole NB91-25 (Map 2). This zone comprised replacement of matrix and some clasts by pyrite and red sphalerite in coarse clastic rocks and breccias cemented by sphalerite-pyrite with minor sphalerite-quartz veins. The textures in this step out intersection are typical of the zinc mineralization at Boundary Main.

### NB22-005

This hole intersected several narrow (2.84 m to 4.7 m wide) intervals of stockwork sphalerite-siderite veins grading 4.20% to 5.55% zinc (Table 1) within a sequence of coarse volcaniclastic rocks and conglomerates, typical of mineralization at Boundary Main. These intersections are 30 m to 40 m step-outs up-dip from mineralization in historic Cominco hole NB91-25 (Map 2).

Deeper in NB22-005 an 18.4 m intersection of 2.84% zinc was made in a sequence of black mudstones and lapillistones of the Road River Group comprising many thin red sphalerite-quartz-siderite veins and selective

replacement of lapilli by red sphalerite. This intersection is a ~45 m step-out from similar mineralization intersected in 2021 Fireweed drillhole NB21-010.

#### NB22-006

This hole intersected matrix and clast replacement sphalerite mineralization and sphalerite vein mineralization in several wide intervals typical of the style seen at Boundary Main (Table 1). A higher-grade portion of one of these intervals graded 11.17% zinc over 12.5 m including 6.22 m of 15.84% zinc. Hole NB22-006 is a step-out hole, stepping-out 55 m to 70 m away from zinc mineralization in historic Cominco drillhole NB90-20 (Map 2, Cross Section E-E').

In hole NB22-006, copper-zinc mineralization was intersected over 10.5 m at 0.45% copper and 2.32% zinc within semi-massive pyrite replacing diamictite clasts and matrix. This intersection is 145 m along strike from the intersection of 1.54% copper and 5.42% zinc over 2.00 m reported from 2021 drillhole NB21-005 (see Fireweed news release dated November 18, 2021) and it is unclear whether there is any continuity between these intersections.

Table 1: NB22-005, NB22-006 and NB22-008 drill results.

Drill hole	Zone	Interval	From (m)	To (m)	Width* (m)	Zn (%)	Pb (%)	Ag (g/t)	Cu (%)	Bulk Density (t/m <sup>3</sup> )
NB22-008	BM	primary	40.92	46.50	5.58	8.08	0.82	17.8	0.06	3.02
NB22-008	BM	>incl.	40.92	43.57	2.65	14.55	1.50	28.8	0.10	3.32
NB22-008	BM	primary	132.47	163.15	30.68	3.32	0.03	7.7	0.01	3.15
NB22-008	BM	>incl.	156.00	163.15	7.15	6.18	0.03	9.9	0.01	3.14
NB22-008	BM	>>incl.	157.76	160.33	2.57	10.33	0.05	15.0	0.01	3.21
NB22-006	BM	primary	132.50	231.50	99.00	2.86	0.02	4.4	0.05	3.19
NB22-006	BM	>incl.	132.50	143.00	10.50	2.32	0.05	6.1	0.45	3.26
NB22-006	BM	>and	143.00	231.50	88.50	2.93	0.02	4.2	0.01	3.18
NB22-006	BM	>>incl.	146.00	151.00	5.00	8.23	0.04	14.1	0.02	3.59
NB22-006	BM	>>>incl.	147.90	150.00	2.10	12.56	0.05	15.3	0.02	3.72
NB22-006	BM	>>and	219.00	231.50	12.50	11.17	0.02	11.0	0.01	2.90
NB22-006	BM	>>>incl.	219.78	226.00	6.22	15.84	0.04	15.8	0.02	2.98
NB22-006	BM	primary	255.87	282.91	27.04	3.45	0.02	5.0	0.01	2.74
NB22-005	BM	primary	24.11	26.95	2.84	4.81	0.02	8.8	0.06	2.88
NB22-005	BM	primary	93.20	96.19	2.99	4.20	0.01	6.8	0.02	2.88
NB22-005	BM	primary	99.30	104.00	4.70	5.55	0.09	14.9	0.02	2.99
NB22-005	BM	>incl.	101.20	102.40	1.20	14.41	0.22	32.0	0.03	3.49
NB22-005	BM	primary	115.08	118.13	3.05	4.31	0.10	7.4	0.01	2.92
NB22-005	BW	primary	267.50	285.90	18.40	2.84	0.04	6.2	0.01	3.00

Zones: BM= Boundary Main; BW= Boundary West.

\*Intersected thicknesses, not true thicknesses, are stated for all intersections in Table 1. Most intersections in Table 1 are vein stockwork or replacement styles of mineralization and have undetermined true thicknesses. The laminated mineralization in NB22-008, 40.92 m to 46.50 m is assumed to be stratiform and true thickness is estimated to be approximately 30% to 85% of intersected thickness, based on bedding angles to core axis in and around the mineralized intersection.

Note - an interval of core in NB22-006 from 232.82 m to 255.87 m and an interval from 57.0 m to 66.87 m in hole NB22-008 were not assayed as these intervals were lost to a windstorm that up-ended several core tables, spilling the core on the ground prior to logging and sampling.

#### 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 HQ3 (split tube) size core (61.1mm / 2.406-inch diameter) (drill hole NB22-008) and NQ2 size core (50.5 mm/ 1.99-inch diameter) (drill holes NB22-005 and NB22-006) with recoveries typically above 85% unless otherwise noted in the table of results. After drilling, core was cleaned, scanned with a core scanning machine, logged for geology, structure, and geotechnical characteristics, then marked for sampling and photographed on site. The cores for analyses were marked for sampling based on geological intervals with individual samples 1.5 m or less in length. 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 sample assayed 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 2022 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. Samples were sent to the Bureau Veritas preparation laboratory in Whitehorse, Yukon, where the samples were crushed and a 500 g split was sent to the Bureau Veritas 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 Pb (>25.0%) and Zn (>24.0%) were analyzed by lithium borate fusion with XRF finish (BV Code LF726). Silver and copper are reported in this news release by method AQ270, and zinc and lead are reported by LF725 or LF726. Bureau Veritas (Vancouver) is an independent, international ISO/IEC 17025:2005 accredited laboratory.

Results in this news release are length and bulk-density weighted averages as would be used in a Mineral Resource estimate. Readers are cautioned that in Fireweed news releases prior to 2020, only length weighted assay averages were reported which may result in slightly lower (under-reported) average values. Length and bulk-density weighted averages have been reported as these most accurately represent the average metal-content of the intersections.

#### *Qualified Person Statement*

Technical information in this news release has been approved by Fireweed Metals Chief Geologist, Jack Milton, Ph.D., P.Ge (BC), and a 'Qualified Person' as defined under Canadian National Instrument 43-101.

#### *Updated Private Placement Information*

Further to the Company's news releases of 21 December 2022 and 30 December 2022 announcing closing of the \$35 million private placement and related finders' fees, the correct cash finders' fees totalled \$403,346.99.

About Fireweed Metals Corp. (TSXV: FWZ; OTCQB: FWEDF; FSE:20F): Fireweed Metals is a public mineral exploration company on the leading edge of Critical Minerals project development. The Company has three projects located in northern Canada:

- **Macmillan Pass Zinc-Lead-Silver Project:** Fireweed owns 100% of the district-scale 940 km<sup>2</sup> Macmillan Pass project in Yukon, Canada, which is host to the Tom and Jason zinc-lead-silver deposits with current Mineral Resources and a PEA economic study (see Fireweed news releases dated 10<sup>th</sup> January 2018, and 23<sup>rd</sup> May 2018, respectively, and reports filed on [www.sedar.com](http://www.sedar.com) for details) as well as the Boundary Zone, Boundary Zone West, Tom North Zone and End Zone which 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. The large 2022 drill program utilizing four drills is complete and assay results are being announced as they are received and interpreted.

- **Mactung Tungsten Project:** The Company has a binding Letter of Intent to acquire 100% interest in the 37.6 km<sup>2</sup> Mactung Tungsten Project located adjacent to the Macmillan Pass Project. Mactung contains historic resources that make it one of the largest and highest-grade undeveloped resources in the world of the Critical Mineral Tungsten. Located in Canada, it is one of the rare large tungsten resources outside of China. Due diligence and validation work on historic data has been completed and a second phase of relogging and sampling of historic drill core has begun and will support a new mineral resource estimate.
- **Gayna River Zinc-Lead-Gallium-Germanium Project:** Fireweed has 100% of the 128.75 km<sup>2</sup> Gayna River project located 180 kilometres north of the Macmillan Pass project. It is host to extensive mineralization including Critical Minerals zinc, gallium and germanium as well as lead and silver, outlined by 28,000 metres of historic drilling and significant upside potential. The 2022 field program of geochemical sampling, airborne LiDAR topographic surveying and ground geophysics is now complete and data is being interpreted toward defining drill targets.

In Canada, Fireweed (TSXV: FWZ) trades on the TSX Venture Exchange. In the USA, Fireweed (OTCQB: FWEDF) trades on the OTCQB Venture Market for early stage and developing U.S. and international companies and is DTC eligible for enhanced electronic clearing and settlement. The Company is current in its reporting, and undergoes an annual verification and management certification process. Investors can find Real-Time quotes and market information for the Company on [www.otcmarkets.com](http://www.otcmarkets.com). In Europe, Fireweed (FSE: 20F) 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.sedar.com](http://www.sedar.com).

ON BEHALF OF [Fireweed Metals Corp.](#)

"Brandon Macdonald"

CEO & Director

*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.*

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, 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.*

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Map 1: Macmillan Pass and Mactung location map:  
<https://www.globenewswire.com/NewsRoom/AttachmentNg/691f034b-73de-4594-b9de-03dffcfcee0d>

Map 2: Boundary Zone drilling map:  
<https://www.globenewswire.com/NewsRoom/AttachmentNg/77a0fb6a-fa6e-4d56-a0f2-6d87d4f54353>

Cross Section E-E': Results from NB22-006 and historic Cominco hole NB90-20:  
<https://www.globenewswire.com/NewsRoom/AttachmentNg/431c4b3b-b487-47a7-a05a-dcc77bc16c8f>

Table 2: Summary of drill results from 2022 program.

Drill hole	Zone	Hole length (m)	Significant intersections	Type
NB22-001	BW	463	Reported in Nov. 22, 2022 news release	Infill & Step-out
NB22-002	BW	491	Reported in Nov. 22, 2022 news release	Step-out & New Discovery
NB22-003	BW	64	Hole abandoned	-
NB22-004	BW	403	Moderate zone	Step-out
NB22-005	BM	326	Reported in this release	Step-out
NB22-006	BM	375	Reported in this release	Step-out
NB22-007	BW	365	Narrow zones	Step-out
NB22-008	BM	213	Reported in this release	Step-out & New Discovery
NB22-009	BM	147.5	Wide zone	Infill
NB22-010	BM	91	Wide zone	Infill
NB22-011	BM	265.3	Wide zone	Infill & Step-out
NB22-012	BM	353	Wide zone	Step-out
NB22-013	BM	125.4	Moderate zone	Infill
NB22-014	BM	31	Hole abandoned	-
NB22-015	BM	145	Moderate zone	Infill
NB22-016	BM	57.4	Hole abandoned	-
NB22-017	BM	80	Wide zone	Infill
NB22-018	BM	270	Wide zone	Infill, Step-out & New Discovery
NB22-019	BW	340	Wide zone	Infill & Step-out
NB22-020	BM	149	Wide zone	Infill
NB22-021	BM	112	Wide zone	Infill
NB22-022	BM	327	Wide zone	Step-out & New Discovery
NB22-023	BM	367	Wide zone	Step-out & New Discovery
TS22-001	TW	200	Wide zone	Infill
TS22-002	TE	170.9	Wide zone	Infill
TS22-003	TW	125	Wide zone	Infill
TS22-004	TW	214.2	Wide zone	Infill
TS22-005	TW	128	Wide zone	Infill
TS22-006	TW	190.5	Wide zone	Infill
TS22-007	TW	86	Wide zone	Infill
TS22-008	TW	61	Wide zone	Infill
TS22-009	TW	335	Wide zone	Infill

All assays pending unless otherwise indicated. BM: Boundary Main; BW: Boundary West; TW: Tom West;

TE: Tom East.

Table 3: 2022 Drill Collar Details.

Drill hole	Target	Length (m)	Easting	Northing	Elevation (m.s.l)	Azimuth (°)	Dip (°)
NB22-001	Boundary	463	421861	7010461	1178	030	-58
NB22-002	Boundary	491	421940	7010405	1164	033	-57
NB22-003	Boundary	64	422105	7010683	1238	211	-76
NB22-004	Boundary	403	422105	7010683	1238	211	-76
NB22-005	Boundary	326	422230	7010524	1193	214	-50
NB22-006	Boundary	375	422539	7010536	1195	207	-55
NB22-007	Boundary	365	421940	7010405	1164	036	-47
NB22-008	Boundary	213	422274	7010600	1217	209	-68
NB22-009	Boundary	147.5	422438	7010417	1165	208	-50
NB22-010	Boundary	91	422390	7010385	1152	205	-50
NB22-011	Boundary	265.3	422440	7010419	1164	208	-69
NB22-012	Boundary	353	422342	7010620	1219	201	-65
NB22-013	Boundary	125.4	422390	7010386	1150	205	-70
NB22-014	Boundary	31	422330	7010384	1146	212	-50
NB22-015	Boundary	145	422331	7010385	1146	212	-75
NB22-016	Boundary	57.4	422330	7010384	1146	212	-55
NB22-017	Boundary	80	422331	7010385	1147	212	-85
NB22-018	Boundary	270	422308	7010434	1166	216	-58
NB22-019	Boundary	340	421948	7010672	1232	180	-57
NB22-020	Boundary	149	422308	7010435	1166	216	-72
NB22-021	Boundary	112	422309	7010435	1167	216	-82
NB22-022	Boundary	327	422292	7010474	1182	211	-56
NB22-023	Boundary	367	422292	7010474	1182	211	-70
TS22-001	Tom West	200	441994	7003679	1545	060	-80
TS22-002	Tom East	170.9	442063	7004322	1677	060	-90
TS22-003	Tom West	125	441994	7003680	1545	065	-55
TS22-004	Tom West	214.2	441993	7003679	1545	065	-89
TS22-005	Tom West	128	442046	7003767	1533	063	-50
TS22-006	Tom West	190.5	442044	7003582	1581	049	-75
TS22-007	Tom West	86	441943	7003969	1538	066	-80
TS22-008	Tom West	61	441945	7003970	1538	066	-45
TS22-009	Tom West	335	442043	7003581	1581	049	-89

Coordinate reference system: UTM Zone 9 NAD83. North reference: UTM grid north.

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