

Prime's Fresnillo Generative Target Extended by 120 metres

High Grade Mineralization Expected to Contribute to Resource Growth While Providing Underground and Open Pit Optionality

VANCOUVER, British Columbia, Feb. 24, 2025 -- **Prime Mining Corp.** ("**Prime**" or the "**Company**") (TSX: **PRYM**) (OTCQX: **PRMNF**) (Frankfurt: **04V3**) is reporting generative drilling results from the Company's Los Reyes Project (the "Project"), located in Sinaloa State, Mexico. These results are from 2024 drilling at the **Fresnillo and Mariposa targets** and are not included in the Company's October 15, 2024, Mineral Resource Estimate ("MRE").

Generative Drilling Highlights: Fresnillo – A Prime Original Discovery

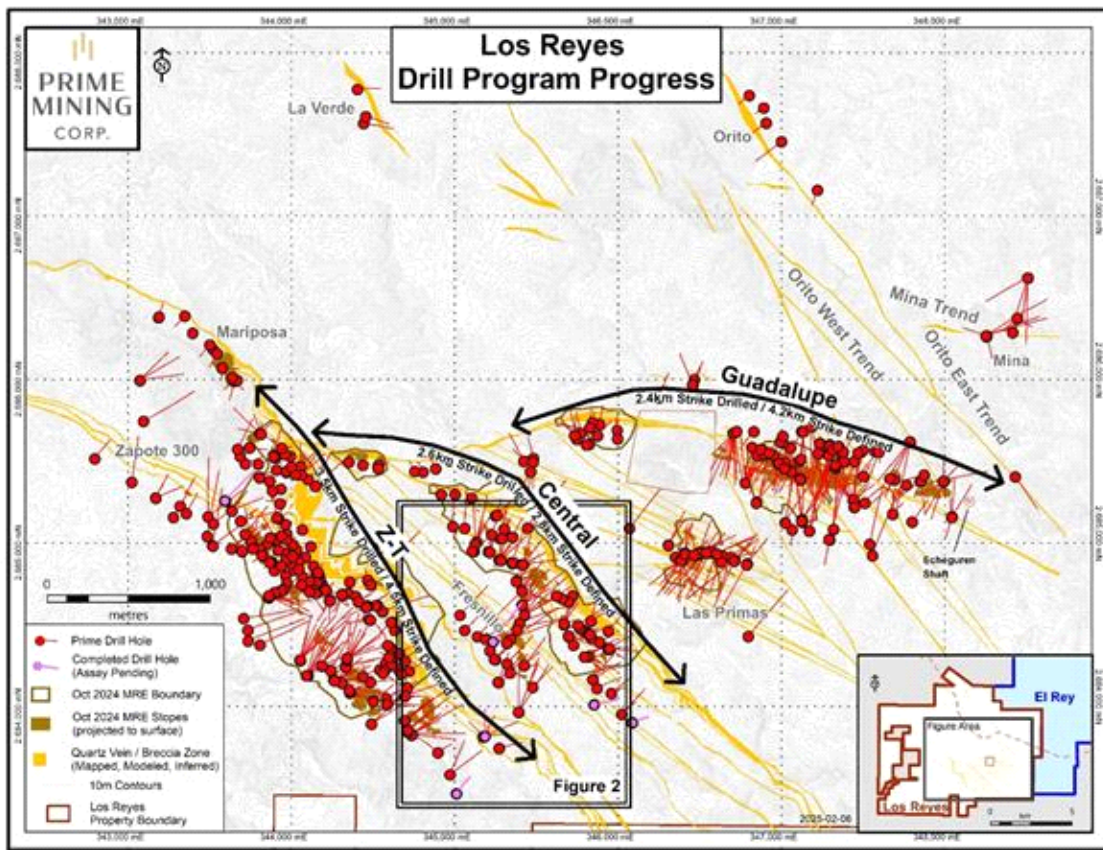
The Company is reporting 14 core holes, two that intersected only **Fresnillo** structures, four that intersected both **Noche Buena** and Fresnillo structures, and eight that intersected Mariposa structures. Fresnillo is located between the Z-T and Central Trends with the following highlights in today's results:

- 1.99 g/t gold-equivalent ("AuEq") (1.82 g/t Au and 13.1 g/t Ag) over 9.6 m estimated true width ("ETW") in hole 24NB-75, including:
 - 20.02 g/t AuEq (18.4 g/t Au and 125.0 g/t Ag) over 0.8 m ETW;
- 2.83 g/t AuEq (2.52 g/t Au and 23.6 g/t Ag) over 6.2 m ETW in hole 24NB-71, including:
 - 5.99 g/t AuEq (5.38 g/t Au and 47.0 g/t Ag) over 2.8 m ETW;
- 1.46 g/t AuEq (1.08 g/t Au and 29.7 g/t Ag) over 9.8 m ETW in hole 24NB-69, including:
 - 6.76 g/t AuEq (5.35 g/t Au and 109.0 g/t Ag) over 1.4 m ETW;
- 1.45 g/t AuEq (1.17 g/t Au and 21.6 g/t Ag) over 6.8 m ETW in hole 24FRE-29.

Prime Mining Corp. Chief Executive Officer Scott Hicks commented, "Fresnillo is an exciting early stage generative target at Los Reyes. Today, we are sharing results that demonstrate a significant extension of approximately 120 metres up-dip of high grade, near-surface mineralization with both underground and open pit optionality and with further potential to continue expanding mineralization."

Scott Smith, Executive Vice President of Exploration, added, "Holes 24NB-69, -70, -71, and -75, and 24FRE-29 resulted in the extension of high-grade mineralization near-surface and roughly 120 metres up-dip from the stopes generated in the 2024 MRE for the Fresnillo target area. As these drillholes help to 'fill in' more sparsely drilled areas, their addition is likely to drive an increase to reportable Inferred ounces in future estimates for the Fresnillo area. Mineralization remains open along strike to the northwest of 24NB-69 and 24FRE-29 and will be tested by in-progress hole 25FRE-30."

Figure 1: Generative drilling update



Generative Drill Hole Highlights¹

Hole ID	From (m)	To (m)	Interval (m)	ETW (m) ²	Au (g/t)	Ag (g/t)	AuEq (g/t) ³	Au Cut-off ⁴
24FRE-28	144.3	145.3	1.0	1.0	1.48	0.6	1.49	1.0
24FRE-28	343.7	348.3	4.6	4.2	0.73	4.2	0.78	0.2
Including	346.8	348.3	1.6	1.4	1.60	6.1	1.68	1.0
24FRE-29	96.2	97.4	1.3	1.2	1.14	8.1	1.24	0.2
24FRE-29	184.1	190.9	6.9	6.8	1.17	21.6	1.45	0.2
Including	184.1	186.0	2.0	1.9	1.76	38.7	2.26	1.0
& including	188.3	189.7	1.5	1.5	1.93	29.4	2.31	1.0
24NB-69	92.1	102.5	10.5	9.8	1.08	29.7	1.46	0.2
Including	94.2	95.6	1.5	1.4	5.35	109.0	6.76	1.0
24NB-69	138.9	147.2	8.3	7.8	0.49	15.8	0.69	0.2
Including	143.1	144.0	1.0	0.9	1.55	37.3	2.03	1.0
24NB-70	96.1	105.0	8.9	8.9	0.89	18.5	1.13	0.2
Including	98.6	99.4	0.8	0.8	6.32	135.0	8.07	1.0
24NB-70	129.0	130.1	1.1	1.1	1.19	2.2	1.22	1.0
24NB-70	167.4	168.4	1.0	1.0	2.07	1.8	2.09	1.0
24NB-70	212.7	214.0	1.4	1.4	1.04	34.6	1.49	1.0
24NB-71	100.2	101.5	1.3	1.2	1.12	2.4	1.15	0.2
24NB-71	109.1	115.7	6.6	6.2	2.52	23.6	2.83	0.2
Including	111.3	114.2	2.9	2.8	5.38	47.0	5.99	1.0
24NB-71	494.3	495.4	1.1	1.1	5.47	46.5	6.07	0.2
24NB-75	154.9	164.8	9.9	9.6	1.82	13.1	1.99	1.0
Including	164.0	164.8	0.8	0.8	18.40	125.0	20.02	0.2
24NB-75	231.3	232.0	0.7	0.7	1.56	30.2	1.95	0.2
24NB-75	332.5	333.3	0.8	0.8	5.03	81.6	6.09	0.2

Notes:

1. A complete table of assay results from all deposits and all secondary zones intersected utilizing a 0.20 g/t Au cut-off is on the Company's website.
2. Estimated True Widths (ETW) are estimated based on drill hole geology or comparisons with other on-section drill

holes.

3. Au Equivalent (AuEq) grade is calculated as $Au\text{ g/t} + (Ag\text{ g/t} \times (\$25.24/\$1950))$ where \$25.24 and \$1950 are the price of one ounce of Ag and Au respectively (in US dollars).
4. Composite assay grades presented in summary tables are calculated using a Au grade minimum average of 0.20 g/t or 1.0 g/t as indicated in "Au Cut-off" column of Summary Tables. Maximum internal waste included in any reported composite interval is 3.00 m. The 1.00 g/t Au cut-off is used to define higher-grade "cores" within the lower-grade halo.

INTERPRETATION

Fresnillo:

Fresnillo, located between the Z-T and Central Trends, was first drilled as part of Prime's 2022 drill program. It is a highly prospective earlier stage target which had no historical drilling or known workings. Fresnillo was defined by Prime's mapping and geochemical sampling programs. Prime drilling to-date has intercepted several thick mineralized structures.

24NB-69, -70, -71, and -75, and 24FRE-29 resulted in the near-surface, roughly 120m up-dip extension of high-grade mineralization from stopes generated in the 2024 MRE for the Fresnillo target area. Further, these drillholes were completed in a sparsely drilled area which did not meet data spacing criteria for open pit or underground Inferred Resources in the 2024 MRE. Their addition is therefore likely to drive an increase in reportable Inferred ounces in future estimates for the Fresnillo area. Mineralization remains open along strike to the northwest of 24NB-69 and 24FRE-29 and will be tested by planned hole 25FRE-30.

Mariposa:

Prime is also releasing eight holes from the Mariposa target. These holes were drilled from the hanging wall on the west side of the main Z-T structure into the target area with the intention of gaining a greater understanding of the structural setting. Existing access at Mariposa limited the drill pad locations but results have confirmed the continuation of the Z-T structure at Mariposa. Prime intends to extend access and continue expansion drilling in the Mariposa area in 2025.

Figure 2: Fresnillo drilling update

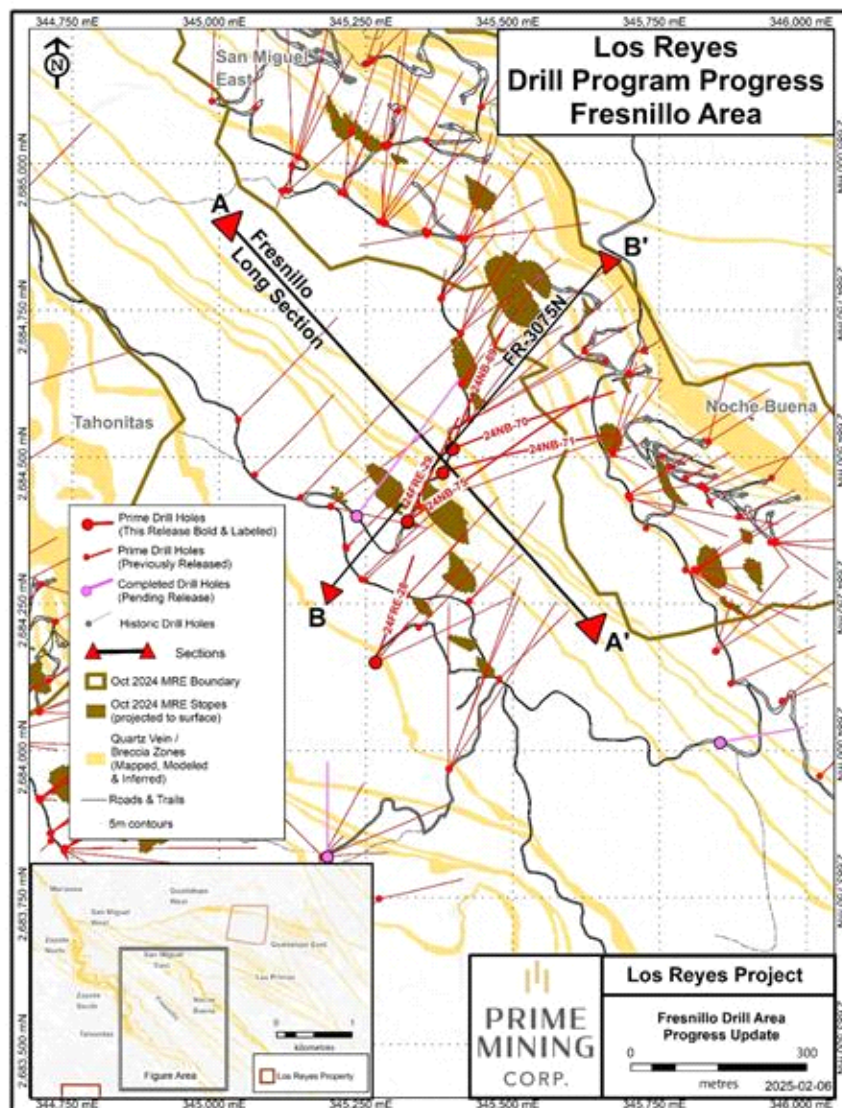


Figure 3: Fresnillo long section with drill holes highlighted (A-A')

* intercepts noted in long section below are along multiple structures*

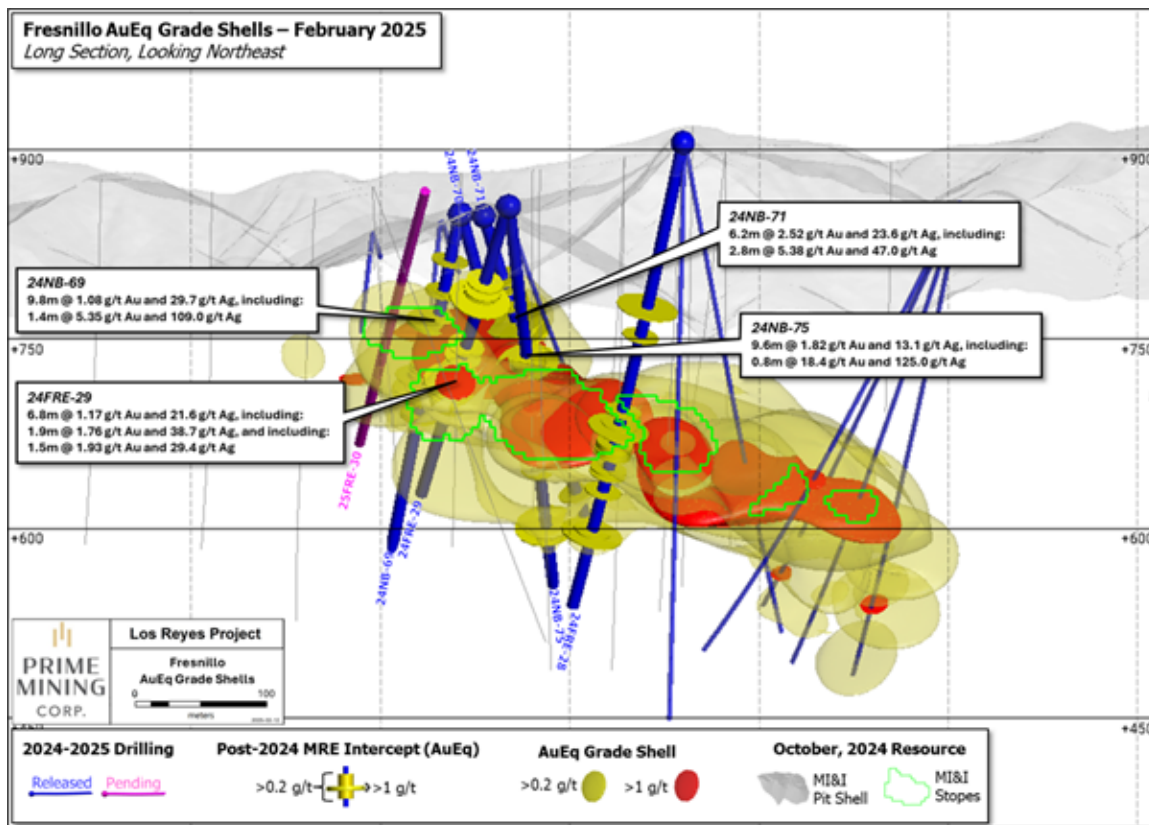
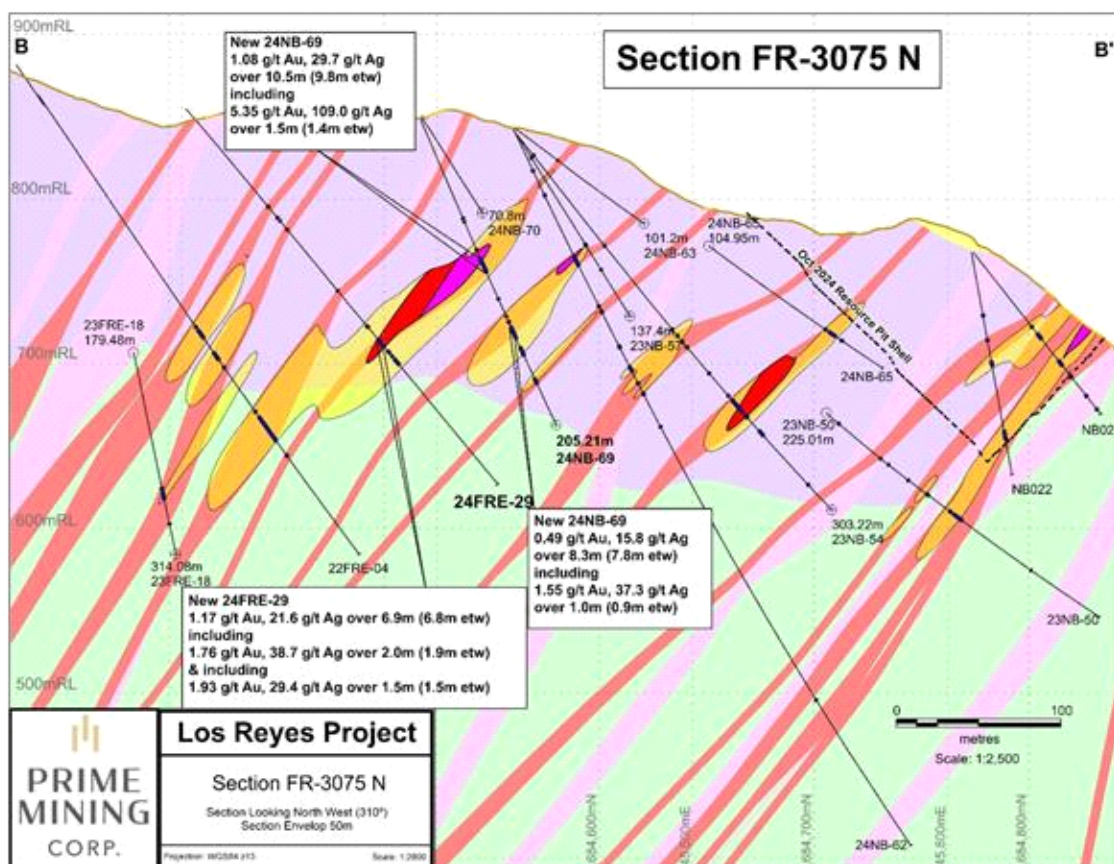


Figure 4: Fresnillo cross section B-B'



Outlook

Prime will continue to evaluate drilling plans using its success-based approach into 2025. This evaluation will also include prioritization of targets based on probability of resource development and generative area discovery potential.

Prime has completed approximately 1,500 metres of drilling year to date. Drilling is currently suspended, with six drill rigs currently on site at Los Reyes and drillers on standby. The exploration team is utilizing this opportunity to advance interpretation of geological data and soil samples in support of target identification. **Exploration in 2025 will be focused on:**

- Extending the **high-grade Z-T Area** shoots that remain open at depth, as well as along strike, both north and south.

- Expanding the known **high-grade mineralization at Guadalupe East**.
- **Increasing the Central Area resource** through additions at Noche Buena and its connection to San Miguel East.
- **Generative target drilling of high-grade intercepts** at Las Primas, Mariposa, Fresnillo and others to further develop the resource potential at Los Reyes.

Links to Figures:

- Figure 1 – [Generative drilling update](#)
- Figure 2 – [Fresnillo drilling update](#)
- Figure 3 – [Fresnillo long section with drill holes highlighted \(A-A'\)](#)
- Figure 4 – [Fresnillo cross section \(B-B'\)](#)

Links to Tables:

- Table 1 – [Drill Intercepts in this Release](#)
- Table 2 – [Drill Intercepts to Date](#)

About the Los Reyes Gold and Silver Project

Los Reyes is a high-grade, low-sulphidation epithermal gold-silver project located in Sinaloa State, Mexico. Since acquiring Los Reyes in 2019, Prime has spent more than \$62 million on direct exploration activities and has completed over 220,000 metres of drilling. On October 15, 2024, Prime announced an updated multi-million-ounce high-grade open pit and underground resource based on exploration drilling up to July 17, 2024.

October 15, 2024 Resource Statement¹

(based on a \$1950/oz gold price, \$25.24/oz silver price, economic-constrained estimate)

Mining Method and Process	Class	Tonnage (kt)	Gold Grade (g/t)	Gold Contained (koz)	Silver Grade (g/t)	Silver Contained (koz)	Gold Equiv. (g/t)	Gold Equiv. (koz)	Silver Equiv. (g/t)	Silver Equiv. (koz)
Open Pit - Mill	Indicated	24,657	1.13	899	35.7	28,261	1.60	1,265	123.3	97,723
	Inferred	7,211	0.89	207	42.8	9,916	1.45	335	111.8	25,911
Underground	Indicated	4,132	3.02	402	152.4	20,243	5.00	664	386.1	51,290
	Inferred	4,055	2.10	273	78.6	10,247	3.12	406	240.7	31,380
Total Mill	Indicated	28,789	1.41	1,301	52.4	48,504	2.08	1,928	161.0	149,012
	Inferred	11,266	1.33	480	55.7	20,163	2.05	741	158.2	57,291
Open Pit - Heap Leach	Indicated	20,254	0.29	190	8.4	5,492	0.40	261	31.0	20,201
	Inferred	5,944	0.30	58	7.3	1,398	0.40	76	30.6	5,856
Total	Indicated	49,042	0.95	1,491	34.2	53,995	1.39	2,190	107.3	169,213
	Inferred	17,210	0.97	538	39.0	21,561	1.48	817	114.1	63,147

1. Refer to the *Additional Notes* section for the gold equivalent grade ("AuEq") calculation method and further information.

Exploration drilling suggests that the three known main deposit areas (Guadalupe, Central and Z-T) are larger than previously reported. Potential also exists for new discoveries where mineralized trends have been identified outside of the currently defined resource areas. Historic operating results indicate that an estimated 1 million ounces of gold and 60 million ounces of silver were recovered from five separate operations at Los Reyes between 1770 and 1990. Prior to Prime's acquisition, recent operators of Los Reyes had spent approximately US\$20 million on exploration, engineering, and prefeasibility studies.

QA/QC Protocols and Sampling Procedures

Drill core at the Los Reyes project is drilled in predominately HQ size (63.5 millimetres "mm"), reducing to NQ (47.6 mm) when required. Drill core samples are generally 1.50 m long along the core axis with allowance for shorter or longer intervals if required to suit geological constraints. After logging intervals are identified to be sampled, the core is cut and one half is submitted for assay. RC drilling returns rock chips and fines from a 133.35 mm diameter tricone bit. The returns are homogenized and split into 2 halves, with one half submitted for analysis and the other half stored.

Sample QA/QC measures include unmarked certified reference materials, blanks, and field duplicates as well as preparation duplicates are inserted into the sample sequence and make up approximately 8% of the samples submitted to the laboratory for each drill hole.

Samples are picked up from the Project by the laboratory personnel and transported to their facilities in Durango or Hermosillo Mexico, for sample preparation. Sample analysis is carried out by Bureau Veritas and ALS Labs, with fire assay, including over limits fire assay re-analysis, completed at their respective Hermosillo, Mexico laboratories and multi-element analysis completed in North Vancouver, Canada. Drill core sample preparation includes fine crushing of the sample to at least 70% passing less than 2 mm, sample splitting using a riffle splitter, and pulverizing a 250-gram split to at least 85% passing 75 microns.

Gold in diamond drill core is analyzed by fire assay and atomic absorption spectroscopy of a 30 g sample (code FA430 or Au-

AA23). Multi-element chemistry is analyzed by 4-Acid digestion of a 0.25-gram sample split (code MA300 or ME-ICP61) with detection by inductively coupled plasma emission spectrometer for a full suite of elements.

Gold assay techniques FA430 and Au-AA23 have an upper detection limit of 10 ppm. Any sample that produces an over-limit gold value via the initial assay technique is sent for gravimetric finish via method FA-530 or Au-GRA21. Silver analyses by MA300 and ME-ICP61 have an upper limit of 200 ppm and 100 ppm, respectively. Samples with over-limit silver values are re-analyzed by fire assay with gravimetric finish FA530 or Au-GRA21.

Both Bureau Veritas and ALS Labs are ISO/IEC accredited assay laboratories.

Additional Notes

Prime's MRE as of October 15, 2024 is classified in accordance with the Canadian Institute of Mining, Metallurgy and Petroleum ("CIM") "CIM Definition Standards - For Mineral Resources and Mineral Reserves" adopted by the CIM Council (as amended, the "CIM Definition Standards") and in accordance with the requirements of NI 43-101. Mineral resources are not mineral reserves and do not have demonstrated economic viability.

Metres is represented by "m"; "etw" is Estimated True Width and is based on drill hole geometry or comparisons with other on-section drill holes; "Au" refers to gold, and "Ag" refers to silver; "g/t" is grams per metric tonne; some figures may not sum due to rounding; Composite assay grades presented in summary tables are calculated using a Au grade minimum average of 0.20 g/t or 1.0 g/t as indicated in "Au Cut-off" column of Summary Tables. Maximum internal waste included in any reported composite interval is 3.00 m. The 1.00 g/t Au cut-off is used to define higher-grade "cores" within the lower-grade halo.

Gold equivalent grades are calculated based on an assumed gold price of US\$1,950 per ounce and silver price of \$25.24 per ounce, based on the formula $AuEq \text{ grade (g/t)} = Au \text{ grade} + (Ag \text{ grade} \times \$25.24 / \$1,950)$. Metallurgical recoveries are not considered in the in-situ grade estimate but are estimated to be 95.6% and 81% for gold and silver, respectively, when processed in a mill, and 73% and 25% respectively when heap-leached. Additional details are available in the associated Technical Report, filed on November 27, 2024.

Qualified Person

Scott Smith, P.Geol., Executive Vice President of Exploration, is a Qualified Person for the purposes of NI 43-101 and has reviewed and approved the technical content in this news release.

About Prime Mining

Prime is managed by an ideal mix of successful mining executives, strong capital markets personnel and experienced local operators all focused on unlocking the full potential of the Project. The Company has a well-planned capital structure with a strong management team and insider ownership. Prime is targeting a material resource expansion at Los Reyes through a combination of new generative area discoveries and growth, while also building on technical de-risking activities to support eventual project development.

For further information, please visit <https://www.primeminingcorp.ca/> or direct enquiries to:

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Cautionary Notes to U.S. Investors Concerning Resource Estimates

This news release has been prepared in accordance with the requirements of the securities laws in effect in Canada, which differ from the requirements of the U.S. securities laws. In particular, and without limiting the generality of the foregoing, the terms "mineral reserve", "proven mineral reserve", "probable mineral reserve", "inferred mineral resources," "indicated mineral resources," "measured mineral resources" and "mineral resources" used or referenced in this presentation are Canadian mineral disclosure terms as defined in accordance with NI 43-101 under the guidelines set out in the CIM Standards. The CIM Standards differ from the mineral property disclosure requirements of the U.S. Securities and Exchange Commission (the "SEC") in Regulation S-K Subpart 1300 (the "SEC Modernization Rules") under the U.S. Securities Act of 1933, as amended (the "Securities Act"). As a foreign private issuer that is eligible to file reports with the SEC pursuant to the multijurisdictional disclosure system, the Company is not required to provide disclosure on its mineral properties under the SEC Modernization Rules and will continue to provide disclosure under NI 43-101 and the CIM Standards. Accordingly, the Company's disclosure of mineralization and other technical information may differ significantly from the information that would be disclosed had the Company prepared the information under the standards adopted under the SEC Modernization Rules.

Forward Looking Information

This news release contains certain "forward-looking information" and "forward-looking statements" within the meaning of

Canadian securities legislation as may be amended from time to time, including, without limitation, statements regarding the perceived merit of the Company's properties, including additional exploration potential of Los Reyes, potential quantity and/or grade of minerals, the potential size of the mineralized zone, metallurgical recoveries, and the Company's exploration and development plans in Mexico. Forward-looking statements are statements that are not historical facts which address events, results, outcomes, or developments that the Company expects to occur. Forward-looking statements are based on the beliefs, estimates and opinions of the Company's management on the date the statements are made, and they involve several risks and uncertainties. Certain material assumptions regarding such forward-looking statements were made, including without limitation, assumptions regarding the price of gold, silver and copper; the accuracy of mineral resource estimations; that there will be no material adverse change affecting the Company or its properties; that all required approvals will be obtained, including concession renewals and permitting; that political and legal developments will be consistent with current expectations; that currency and exchange rates will be consistent with current levels; and that there will be no significant disruptions affecting the Company or its properties. Consequently, there can be no assurances that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Forward-looking statements involve significant known and unknown risks and uncertainties, which could cause actual results to differ materially from those anticipated. These risks include, but are not limited to: risks related to uncertainties inherent in the preparation of mineral resource estimates, including but not limited to changes to the cost assumptions, variations in quantity of mineralized material, grade or recovery rates, changes to geotechnical or hydrogeological considerations, failure of plant, equipment or processes, changes to availability of power or the power rates, ability to maintain social license, changes to interest or tax rates, changes in project parameters, delays and costs inherent to consulting and accommodating rights of local communities, environmental risks, title risks, including concession renewal, commodity price and exchange rate fluctuations, risks relating to COVID-19 and other future pandemics, delays in or failure to receive access agreements, on-going receipt of amended and/or operating permits, risks inherent in the estimation of mineral resources; and risks associated with executing the Company's objectives and strategies, including costs and expenses, physical access to the property, security risks, availability of contractors and skilled labour, as well as those risk factors discussed in the Company's most recently filed management's discussion and analysis, as well as its annual information form dated March 25, 2024, available on www.sedarplus.ca. Except as required by the securities disclosure laws and regulations applicable to the Company, the Company undertakes no obligation to update these forward-looking statements if management's beliefs, estimates or opinions, or other factors, should change.

Photos accompanying this announcement are available at:

<https://www.globenewswire.com/NewsRoom/AttachmentNg/ae38e872-7c64-4367-9c7c-61d60710a636>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/79e4d25f-c68e-4471-8b21-907e62330afe>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/c8faa990-0d62-4185-b469-14350366e29b>

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