

## ERDENE ANNOUNCES YEAR-END RESULTS AND PROVIDES BAYAN KHUNDII PROJECT UPDATE

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Press Release  
Halifax, Nova Scotia  
2025.03.25

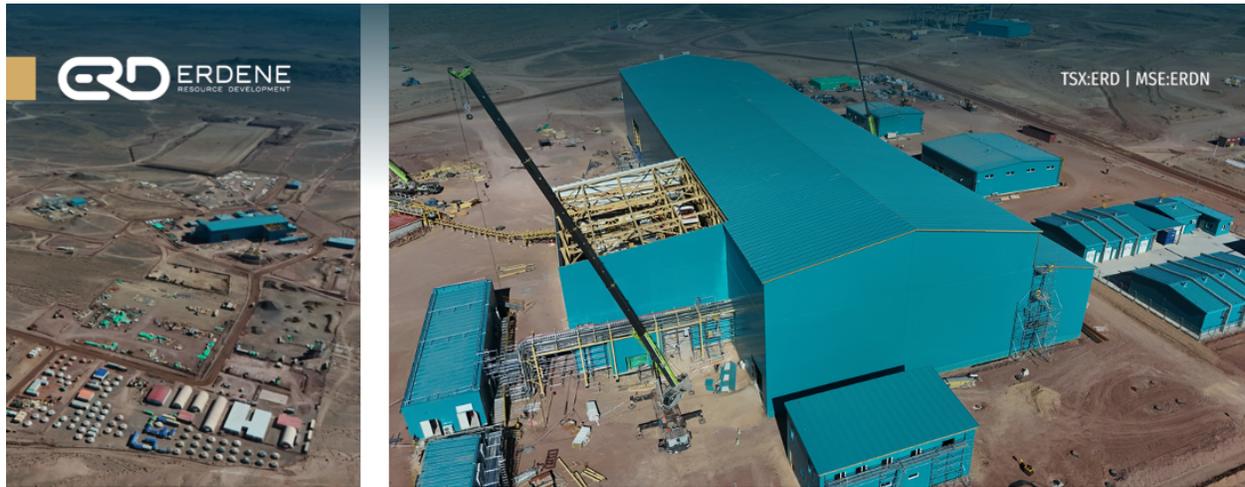
**Erdene Resource Development Corp. (TSX:ERD; MSE:ERDN) ("Erdene" or the "Company")** is pleased to announce operating and financial results for the year ended December 31, 2024, and to provide an update on progress at the Bayan Khundii Gold Project, being developed with Mongolian Mining Corporation ("MMC"). This release should be read in conjunction with the Company's 2024 Financial Statements and MD&A, available on the Company's website and SEDAR+.

Peter Akerley, Erdene's President and CEO stated, "The past year was a period of significant progress for Erdene with the close of our Strategic Alliance with MMC, Mongolia's leading publicly traded mining company, the commencement of construction at the Bayan Khundii gold project and continued exploration success across the Khundii Minerals District."

He continued, "The Bayan Khundii gold mine is one of the highest grade, open-pit gold mines under development globally and will be Mongolia's largest primary gold producer when it reaches full production. As of today, construction progress has exceeded 80% with most facilities scheduled for completion in Q1 and early Q2 2025. Three key facilities have been commissioned and process plant commissioning is expected to commence in May 2025, with first gold production scheduled in Q3 2025."

Mr. Akerley concluded, "Expansion drilling during 2024 returned the highest grades to date adjacent to the planned Bayan Khundii open-pit, demonstrating strong growth potential. Additionally, ore-control drilling in late 2024 returned very positive results, confirming the high-grade nature of the Bayan Khundii deposit, and in some cases expanding mineralization. These results will be incorporated into an updated Bayan Khundii mine plan in the coming months."

2024 Highlights and Significant Subsequent Events:



Images – clockwise from top left: Bayan Khundii Construction Site, Process Plant, Accommodation Village, and Crushing and Conveyor System, March 2025.

**Bayan Khundii Gold Project**

- Announced formal construction decision for Bayan Khundii on January 15, 2024
  - Awarded the Project’s Engineering, Procurement and Construction (“EPC”) services contract to MCS Property LLC (“MCSP”), a leading Mongolian construction firm
  - Entered a power purchase agreement (“PPA”) for the construction of a 240 km overhead transmission line with MCS International LLC (“MCSI”), one of Mongolia’s leading private energy companies
- Achieved 66% construction progress by December 31, 2024
  - Incurred US\$83 million of expenditures to the end of Q4 2024
  - EM management estimates capital expenditures may increase by ~ 15% from the initial capital budget of US\$100M due to inflation, the impact of weather and logistical delays and scope changes; however, no further equity funding is expected from Erdene or MMC for BK
  - Process plant, the critical path facility, was 67% complete at year end, with concrete and structural works substantially completed and all major equipment in place

- Construction progress for non-process buildings was 60%, infrastructure facilities were 80%, and power supply was 52%, largely consistent with schedule
- Commissioning of the integrated mineral waste facility was completed in Q4 2024 with the balance of the facilities planned progressively throughout Q1 and Q2 2025
- Construction expected to be largely complete in May 2025 to allow commissioning of processing facilities in Q2 2025 and first gold production in Q3 2025
- Delivered on community development and local employment stakeholder programs
  - Local Cooperation Agreement for 2024 implemented supporting local development
  - Recruitment and training of Bayan Khundii mine workforce continued with eighth cohort of local residents selected for equipment operator training at MMC’s UHG mine, for a cumulative total of 164 people undertaking the training
  - Company supported installation and improvement of three rural water wells to increase water availability for residents

### **Khundii Minerals District Exploration**

- Conducted 15,000-metre Bayan Khundii ore-control drill program
  - Drilled 89 shallow diamond drill holes totaling 1,048 metres focused on near-surface high-grade, scheduled to be developed in the first 3-4 months of mining and a further 10 holes totaling 456 metres to assist with future mine planning
  - Second phase of the program, in Q4 2024, consisted of 106 diamond core holes totaling 1,168 metres and 812 reverse circulation holes for 12,273 metres for which results were received subsequent to year end with highlights included below
  - Results confirmed high-grade domains in the current block model and indicated areas of expansion with highlight intersections of 101.0 g/t gold over 4 metres, starting 7 metres downhole and 115.1 g/t gold over 4 metres from 11 metres (see table below for greater than 20 gram\*metre intersections)
- Completed 950 metre Bayan Khundii expansion program on the periphery of the planned open pit
  - Drilling intersected gold mineralization in all holes, demonstrating the potential for resource growth and pit extension
  - Results included the highest-grade drilling results to date in Striker West, adjacent to the Bayan Khundii open-pit, including 7.3 g/t gold over 42 metres, with multiple high-grade metre intersections of 15 to 79 g/t gold (BKD-377)
- Conducted surface sampling program at the Greater Dark Horse area and at Zuun Mod
  - Multiple samples from Greater Dark Horse returned high grade gold (up to 37.7 g/t Au) and silver (over 100 g/t Ag), providing targets for follow-up drilling
  - Discovered new gold prospect 4.5 km west of the Zuun Mod molybdenum-copper deposit
- Added Kelly Cluer as Technical Advisor to assist exploration team
  - Brings more than 30 years’ experience including over a decade in Mongolia where he led the discovery and definition of two of the Country’s largest gold deposits

## Corporate

- Closed strategic alliance with MMC on January 23, 2024
  - MMC invested US\$40 million for a 50% equity interest in EM, the company holding the BK Project
  - Erdene retains a 50% equity interest in EM as well as a 5% NSR royalty on production after the first 400,000 ounces of gold production and a 100% interest in Zuun Mod
- Secured BK Project Finance from strategic partner MMC
  - Up to US\$80 million shareholder loan to EM, the entity co-owned by Erdene and MMC
  - Five-year bullet maturity, bearing interest at 13.8% per annum, payable in arrears
  - Secured by Erdene's interests in EM and preferential rights over Erdene's properties
- Obtained US\$50 million facility for BK from Trade and Development Bank of Mongolia
  - 24-month term and repayable in equal monthly payments during the final six months of the loan
  - Facility bears interest at 13.3% per annum and is secured by BK's process plant assets
- Recorded net loss of \$8,245,886 for the year ended December 31, 2024, compared to net income of \$522,043 for the year ended December 31, 2023
  - Exploration and evaluation expenses totaled \$1,852,642 for the year ended December 31, 2024, compared to \$847,010 in 2023, as certain salaries, consultant costs, and travel expenditures historically incurred by the associate EM were incurred directly following the close of the Strategic Alliance
  - Corporate and administrative expenses totaled \$5,043,058 for the year ended December 31, 2024, compared to \$3,137,735 for the year ended December 31, 2023, with the year-on-year change primarily due to the write-off of previously deferred project finance and other arrangement costs following termination of project finance diligence due to the Bayan Khundii shareholder loan with MMC, as well as the accrual of first gold bonuses for senior staff in the current year, and cost of living salary increases
  - Loss from investment in associate of \$3,245,109 for the year ended December 31, 2024, compared to \$2,278,370 in the prior year due to an increase in non-capitalized interest expenditures by EM following the February 2024 financing partially offset by Erdene's change in ownership following the close of the Strategic Alliance in Q1 2024
  - Non-cash gain on dilution of \$1,256,598 in the year ended December 31, 2024 due to the close of the Strategic Alliance with MMC, compared to a gain on loss of control of EM of \$6,544,863 upon the signing of the Strategic Alliance with MMC in January 2023

## Bayan Khundii Ore-Control Drilling

During Q4 2024, EM completed the second phase of the ore-control drill program, designed to test near-surface gold mineralized zones, scheduled to be developed in the first four months of mining, and generally within 15 metres of surface. The program consisted of 106 diamond core holes totaling 1,168 metres and 812 reverse circulation holes for 12,273 metres. Results confirmed consistency of mineralization in the previously defined blocks and drilling in 10 areas intersected mineralization that has the potential to extend ore blocks. A further 100+ holes are planned to verify these newly identified areas.

The attached map displays results from the ore-control drilling program and shows holes that intersected greater than 0.30 g/t gold (~75% of holes) over one metre (projected resource cut-off grade) within this shallow drilling program. Holes with significant high-grade intersections, defined as exceeding 20 gram-metres (~12% of holes), are highlighted in red. Details of the intersections are provided in the table below.

The output from the ore-control drilling will be incorporated into a Bayan Khundii mine plan update over the coming months. The updated plan will also consider the impact of higher gold prices as the current economic pit was defined using a US\$1,850-ounce gold price and a US\$2,000-ounce pit constraining factor. At current gold prices of approximately US\$3,000 per ounce, additional near-pit resources are likely to be incorporated in the updated mine plan.

### Ore-Control Drilling Highlights

Intervals exceeding 20 gram-metres (interval multiplied by average gold grade)

Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
<b>Core Holes</b>						
BKDH-80	483372	4861183	1.9	6	4.1	5.99
Incl			1.9	3	1.1	11.50
BKDH-81	483372	4861178	0.4	10	9.6	26.86
Incl			6	7	1	253.00
BKDH-148	483357	4861188	0	10	10	4.98
Incl			8	10	2	23.40
BKDH-163	483352	4861257	4.85	8	3.15	9.52
Incl			4.85	6	1.15	24.40
BKDH-165	483352	4861238	0.13	4	3.87	6.70
Incl			0.13	1	0.87	14.50
BKDH-169	483352	4861208	0.8	10	9.2	2.63
Incl			0.8	2	1.2	12.40
BKDH-170	483352	4861203	0.4	10	9.6	2.96
Incl			8	9	1	14.50
BKDH-192	483347	4861248	1.7	5	3.3	6.14
Incl			3	4	1	17.00
BKDH-195	483347	4861233	0.3	6	5.7	3.82
BKDH-715	483187	4861033	9	14	5	4.16
Incl			11	12	1	17.30

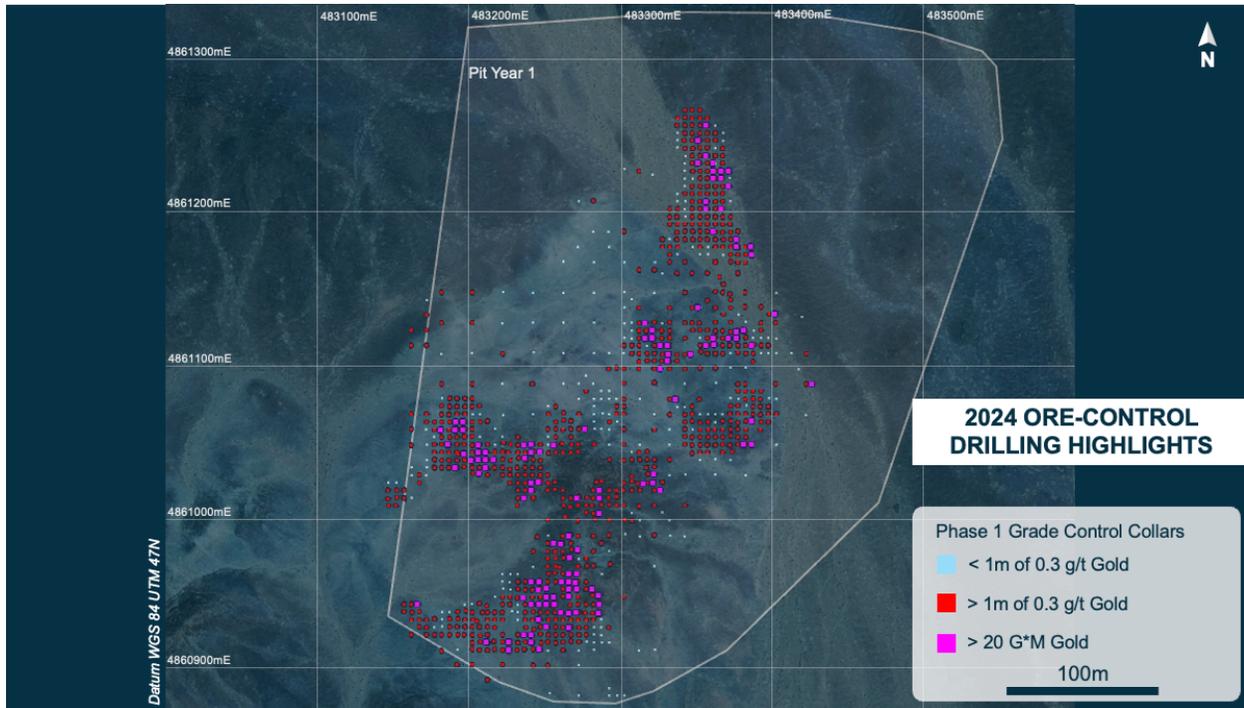
Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
<b>RC Holes</b>						
BKGC-3	483422	4861087	0	4	4	6.34
Incl			1	2	1	22.20
BKGC-47	483382	4861113	1	11	10	2.39
BKGC-50	483382	4861088	0	4	4	25.08
Incl			3	4	1	97.80
BKGC-55	483382	4861063	9	13	4	6.59
Incl			10	11	1	21.80
BKGC-58	483382	4861047	5	12	7	59.49
Incl			7	11	4	100.99
Incl			7	8	1	336.00
BKGC-61	483377	4861123	0	10	10	3.70
Incl			2	3	1	15.00
BKGC-73	483377	4861048	1	6	5	4.24
Incl			2	3	1	16.30
BKGC-85	483372	4861122	0	2	2	10.48
Incl			1	2	1	19.70
BKGC-86	483372	4861118	4	12	8	3.06
Incl			4	5	1	17.10
BKGC-109	483367	4861118	1	11	10	10.37
Incl			2	3	1	77.00
BKGC-153	483357	4861118	0	6	6	8.14
Incl			3	4	1	42.40
BKGC-154	483357	4861113	4	12	8	3.81
Incl			6	8	2	10.90
BKGC-178	483352	4861113	4	13	9	9.22
Incl			4	6	2	37.05
BKGC-235	483342	4861107	8	14	6	7.03
Incl			10	11	1	35.40
BKGC-274	483332	4861078	6	12	6	7.22
Incl			10	11	1	39.00
BKGC-286	483327	4861107	11	15	4	115.14
Incl			11	14	3	151.47
Incl			11	12	1	390.00
BKGC-287	483327	4861102	14	15	1	99.40
BKGC-294	483322	4861113	8	15	7	28.36
Incl			8	9	1	183.00
BKGC-297	483322	4861098	0	3	3	7.00
Incl			0	1	1	10.30
BKGC-304	483322	4861018	0	16	16	5.14

Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
Incl			1	2	1	14.40
Incl			7	8	1	19.20
Incl			9	10	1	19.00
BKGC-310	483317	4861123	3	7	4	25.06
Incl			3	4	1	98.20
BKGC-311	483317	4861118	4	12	8	4.98
Incl			7	9	2	13.60
BKGC-318	483318	4861028	12	15	3	16.09
Incl			13	14	1	43.30
BKGC-319	483317	4861022	0	15	15	1.90
Incl			8	9	1	11.30
BKGC-321	483312	4861128	1	14	13	3.45
Incl			6	8	2	15.70
BKGC-323	483312	4861118	5	14	9	5.02
Incl			6	7	1	16.80
BKGC-334	483311	4861022	0	10	10	2.22
BKGC-429	483282	4861018	0	4	4	8.08
Incl			2	3	1	22.10
BKGC-430	483282	4861012	0	8	8	3.38
Incl			3	4	1	10.40
BKGC-432	483282	4861002	3	11	8	3.97
Incl			8	9	1	16.90
BKGC-439	483281	4860948	0	9	9	2.74
BKGC-440	483282	4860942	0	19	19	4.02
Incl			13	15	2	20.30
BKGC-441	483281	4860937	4	11	7	3.63
Incl			8	9	1	21.10
BKGC-456	483277	4860952	0	14	14	4.05
Incl			0	3	3	11.20
Incl			7	8	1	10.60
BKGC-464	483272	4861058	1	13	12	2.00
BKGC-498	483267	4861013	14	24	10	2.34
BKGC-502	483268	4860979	12	17	5	13.69
Incl			15	16	1	64.40
BKGC-505	483267	4860963	0	26	26	3.45
Incl			11	12	1	52.90
BKGC-506	483266	4860957	0	24	24	3.70
Incl			13	15	2	15.05
BKGC-507	483267	4860953	0	22	22	2.64
BKGC-509	483267	4860937	1	13	12	4.26

Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
Incl			3	4	1	20.10
Incl			7	8	1	16.60
BKGC-529	483262	4860988	0	16	16	1.90
BKGC-532	483262	4860973	0	22	22	2.20
Incl			2	3	1	11.10
BKGC-534	483262	4860963	0	21	21	1.75
BKGC-535	483262	4860957	0	17	17	2.10
BKGC-536	483262	4860952	0	22	22	2.23
BKGC-537	483262	4860948	0	20	20	27.81
Incl			7	9	2	173.00
Incl			10	12	2	91.15
Incl			11	12	1	171.00
BKGC-538	483262	4860937	0	11	11	2.64
Incl			6	7	1	16.70
BKGC-548	483256	4860982	0	18	18	2.81
Incl			9	10	1	30.30
BKGC-553	483257	4860957	0	12	12	2.20
BKGC-555	483257	4860937	0	16	16	1.46
BKGC-559-V	483252	4861047	4	8	4	5.28
Incl			5	6	1	11.00
BKGC-569	483252	4860983	0	5	5	11.42
Incl			1	2	1	46.10
Incl			4	5	1	10.10
BKGC-575	483252	4860948	0	19	19	15.65
Incl			1	3	2	15.20
Incl			4	8	4	56.05
Incl			9	10	1	10.50
BKGC-576	483252	4860943	0	18	18	1.38
BKGC-583	483247	4861027	0	7	7	4.13
Incl			2	3	1	17.60
BKGC-586	483247	4860953	0	16	16	2.22
BKGC-587	483247	4860948	0	17	17	1.74
BKGC-588	483247	4860943	1	16	15	3.78
Incl			4	5	1	30.90
BKGC-596	483243	4861043	1	13	12	2.24
BKGC-600	483242	4861023	0	7	7	3.19
Incl			3	4	1	12.00
BKGC-607	483242	4860957	0	18	18	2.55
BKGC-608	483242	4860952	1	13	12	2.92
Incl			11	12	1	18.60

Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
BKGC-610	483237	4861048	0	11	11	1.99
Incl			7	8	1	11.90
BKGC-611	483237	4861043	0	12	12	6.32
Incl			4	5	1	57.20
BKGC-618	483237	4860957	0	7	7	4.46
Incl			2	3	1	13.20
BKGC-620	483232	4861047	0	14	14	2.52
Incl			3	4	1	14.20
Incl			8	9	1	10.20
BKGC-622	483233	4861039	6	14	8	3.78
Incl			9	10	1	15.90
BKGC-627	483232	4861013	9	17	8	2.75
Incl			11	12	1	17.10
BKGC-631	483232	4860947	11	15	4	11.66
Incl			11	12	1	41.10
BKGC-666	483207	4861038	0	13	13	3.73
BKGC-667	483207	4861032	0	16	16	6.42
Incl			5	7	2	24.10
BKGC-679	483202	4861047	1	4	3	8.86
Incl			2	3	1	26.20
BKGC-681	483202	4861038	0	17	17	4.56
Incl			2	4	2	13.60
BKGC-683	483203	4861029	8	17	9	2.92
Incl			9	10	1	11.50
BKGC-692	483197	4861037	0	16	16	3.15
Incl			1	2	1	11.40
Incl			15	16	1	21.90
BKGC-698	483192	4861063	0	4	4	13.14
Incl			0	2	2	22.80
BKGC-702	483192	4861042	3	13	10	2.86
Incl			4	5	1	21.70
BKGC-709	483187	4861062	0	8	8	3.57
BKGC-710	483187	4861057	3	9	6	14.84
Incl			5	7	2	40.55
BKGC-725	483182	4861052	6	14	8	15.47
Incl			8	10	2	57.75
BKGC-726	483182	4861048	5	14	9	2.52
Incl			9	10	1	11.60
BKGC-773	483262	4860927	0	15	15	2.82
Incl			0	1	1	11.30

Hole ID	*Easting	*Northing	From	To	**Interval	g/t Gold
Incl			13	14	1	13.60
BKGC-790	483247	4860928	5	14	9	3.70
Incl			12	13	1	18.00
BKGC-794	483242	4860943	0	15	15	2.69
BKGC-796	483242	4860932	7	14	7	6.40
Incl			11	12	1	21.50
BKGC-799	483242	4860913	2	8	6	22.52
Incl			4	6	2	61.55
BKGC-801	483237	4860942	8	14	6	37.23
Incl			8	9	1	12.80
Incl			11	12	1	206.00
BKGC-805	483237	4860923	0	5	5	4.74
Incl			1	2	1	17.70
BKGC-806	483237	4860917	4	11	7	6.16
Incl			5	6	1	27.50
BKGC-811	483232	4860923	1	6	5	4.50
BKGC-826	483222	4860918	2	12	10	8.44
Incl			3	4	1	15.30
Incl			6	10	4	16.40
BKGC-827	483222	4860913	2	12	10	79.81
Incl			5	6	1	770.00
Incl			10	11	1	19.40
BKGC-848	483207	4860918	7	12	5	9.69
Incl			7	9	2	21.95
BKGC-892	483162	4860943	0	8	8	37.29
Incl			3	5	2	144.70
Incl			4	5	1	262.00
BKGC-910	483177	4861057	4	14	10	6.47
Incl			7	8	1	25.70
Incl			11	12	1	23.00
BKGC-940	483382	4861178	6	9	3	9.38
Incl			6	7	1	26.50
BKGC-941	483382	4861173	3	8	5	7.46
Incl			3	6	3	11.90
BKGC-953	483397	4861133	2	6	4	7.54
Incl			2	4	2	13.60



\*Easting and Northing coordinates provided in this table represent drill collar locations using datum WGS 84 Zone 47N

\*\* The majority of holes were drilled with a -60 dip and 030 azimuth. Due to geologic variability within the deposit all reported intervals are interpreted to be 80-100% true thickness

### Qualified Person

Peter Dalton, P.Geo. (Nova Scotia), Senior Geologist for Erdene, is the Qualified Person as that term is defined in National Instrument 43-101 and has reviewed and approved the technical information contained in this news release. All samples have been assayed at SGS Laboratory in Ulaanbaatar, Mongolia. In addition to internal checks by SGS Laboratory, the Company incorporates a QA/QC sample protocol utilizing prepared standards and blanks. All samples undergo standard fire assay analysis for gold and 3-acid digest with AAS (Atomic Absorption Spectrometry) analysis for silver.

Erdene’s drill core and RC (reverse circulation) sampling protocol consisted of collection of samples over 1 or 2 metre intervals (depending on the lithology and style of mineralization) over the entire length of the drill hole, excluding minor post-mineral lithologies and un-mineralized granitoids. Sample intervals were based on meterage, not geological controls, or mineralization. All drill core was cut in half with a diamond saw, with half of the core placed in sample bags and the remaining half securely retained in core boxes at Erdene’s Bayan Khundii exploration camp. All RC samples were split using a riffle splitter and half used for analysis and half securely stored at Erdene’s Bayan Khundii exploration camp. Core samples were organized into batches of 30 and RC samples were organized into batches of 90. All batches including 10% QA/QC samples including a commercially prepared standard, blank, and field duplicate. Sample batches were periodically shipped directly to SGS in Ulaanbaatar via Erdene’s logistical contractor, Monrud Co. Ltd.

The majority of holes reported in this release were drilling with a -60 dip and 030 azimuth. Due to geologic variability within the deposit all reported intervals are interpreted to be 80-100% true thickness. Reported grades for intervals are weighted averages based on length of sampling intervals. No top cut has been applied; however, all contiguous intervals greater than 10 g/t gold and 100 g/t gold are reported individually for clarity.

### About Erdene

Erdene Resource Development Corp. is a Canada-based resource company focused on the acquisition, exploration, and development of precious and base metals in underexplored and highly prospective Mongolia. The Company has interests in three mining licenses and an exploration license in Southwest Mongolia, where exploration success has led to the discovery and definition of the Khundii Gold District. Erdene Resource Development Corp. is listed on the Toronto and the Mongolian stock exchanges. Further information is available at [www.erdene.com](http://www.erdene.com). Important information may be disseminated exclusively via the website; investors should consult the site to access this information.

### Forward-Looking Statements

Certain information regarding Erdene contained herein may constitute forward-looking statements within the meaning of applicable securities laws. Forward-looking statements may include estimates, plans, expectations, opinions, forecasts, projections, guidance, or other statements that are not statements of fact. Although Erdene believes that the expectations reflected in such forward-looking statements are reasonable, it can give no assurance that such expectations will prove to have been correct. Erdene cautions that actual performance will be affected by a number of factors, most of which are beyond its control, and that future events and results may vary substantially from what Erdene currently foresees. Factors that could cause actual results to differ materially from those in forward-looking statements include the ability to obtain required third party approvals, market prices, exploitation, and exploration results, continued availability of capital and financing and general economic, market or business conditions. The forward-looking statements are expressly qualified in their entirety by this cautionary statement. The information contained herein is stated as of the current date and is subject to change after that date. The Company does not assume the obligation to revise or update these forward-looking statements, except as may be required under applicable securities laws.

### NO REGULATORY AUTHORITY HAS APPROVED OR DISAPPROVED THE CONTENTS OF THIS RELEASE

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