

NI 43-101 requires mining companies to disclose mineral reserve and resource estimates using the subcategories of proven mineral reserves, probable mineral reserves, measured mineral resources, indicated mineral resources and inferred mineral resources.

Denison Mineral Reserves and Mineral Resources

The following tables show Denison Mines Corp.'s ("Denison" or the "Company") current estimates of mineral reserves and mineral resources as at December 31, 2024. For more information about the Company's properties, see Denison's Annual Information Form.

Proven Mineral Reserve Estimates ^(1,13)

Project/Deposit	Tonnes	100% Basis		Company Share ⁽⁹⁾ Pounds of U ₃ O ₈ (,000)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (,000)	
McClean - Ore Stockpile	90,000	0.37	700	200
Wheeler River - Phoenix ⁽²⁾	6,300	24.5	3,400	3,200
Total Proven Mineral Reserves	96,300		4,100	3,400

Probable Mineral Reserve Estimates ^(1,2,3,4,13)

Project/Deposit	Tonnes	100% Basis		Company Share ⁽⁹⁾ Pounds of U ₃ O ₈ (,000)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (,000)	
Wheeler River - Phoenix	212,700	11.4	53,300	50,600
Wheeler River - Gryphon	1,257,000	1.8	49,700	47,200
Total Probable Mineral Reserves	1,469,700		103,000	97,800

Measured Mineral Resource Estimates ^(1,5,7,13)

Project/Deposit	Tonnes	100% Basis		Company Share ⁽⁹⁾ Pounds of U ₃ O ₈ (,000)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (,000)	
Wheeler River - Phoenix	64,200	21.8	30,900	29,400
Total Measured Mineral Resources	64,200		30,900	29,400

Indicated Mineral Resource Estimates ^(1,5,7,13)

Project/Deposit	Tonnes	100% Basis		Company Share ⁽⁹⁾ Pounds of U ₃ O ₈ (,000)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (,000)	
Wheeler River - Phoenix ⁽⁷⁾	216,000	8.3	39,700	37,700
Wheeler River - Gryphon ⁽⁷⁾	1,643,000	1.7	61,900	58,800
<i>Wheeler River Subtotal</i>	<i>1,859,000</i>		<i>101,600</i>	<i>96,500</i>
McClean – Sue F (formerly Caribou)	47,800	2.6	2,800	600
McClean - Sue D	122,800	1.1	2,800	600
McClean - McClean North	204,300	2.8	12,200	2,700
<i>McClean Subtotal</i>	<i>374,900</i>		<i>17,800</i>	<i>3,900</i>
Midwest - Midwest Main	453,000	4.0	39,900	10,100
Midwest - Midwest A	566,000	0.87	10,800	2,700
<i>Midwest Subtotal</i>	<i>1,019,000</i>		<i>50,700</i>	<i>12,800</i>
Waterbury - THT (formerly J Zone)	291,000	2.0	12,800	9,000
Total Indicated Mineral Resources	3,543,900		182,900	122,200

Inferred Mineral Resource Estimates ^(1,6,13)

Project/Deposit	Tonnes	100% Basis		Company Share ⁽⁹⁾ Pounds of U ₃ O ₈ (<i>,000</i>)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (<i>,000</i>)	
Wheeler River - Phoenix	5,600	2.6	300	300
Wheeler River - Gryphon	73,000	1.2	1,900	1,800
<i>Wheeler River Subtotal</i>	<i>78,600</i>		<i>2,200</i>	<i>2,100</i>
McClean - Sue D	24,200	0.39	200	0
McClean - Sue E ⁽⁸⁾	483,400	0.69	7,300	1,600
McClean - McClean North	3,300	0.79	100	0
<i>McClean Subtotal</i>	<i>510,900</i>		<i>7,600</i>	<i>1,600</i>
Midwest - Midwest Main	793,000	0.66	11,500	2,900
Midwest - Midwest A	53,000	5.8	6,700	1,700
<i>Midwest Subtotal</i>	<i>846,000</i>		<i>18,200</i>	<i>4,600</i>
Waterbury - Huskie	268,000	0.96	5,700	4,000
<i>Waterbury Subtotal</i>	<i>268,000</i>		<i>5,700</i>	<i>4,000</i>
Christie Lake	588,000	1.57	20,400	3,500
<i>Christie Lake Subtotal</i>	<i>588,000</i>		<i>20,400</i>	<i>3,500</i>
Total Inferred Mineral Resources	2,291,500		54,100	15,800

Historical Estimates

A qualified person has not done sufficient work to verify and classify these historical estimates as current mineral resources for the Company or confirm their reporting of resources is in accordance with NI 43-101 categories, though the Company has no reason to believe the information is not relevant or reliable. The Company is not treating this information as current mineral resources. As these do not represent material properties for the Company at this time, the Company does not currently have any plans to conduct work to verify the historical estimates.

JCU Estimates

Historical Indicated Mineral Resource Estimates ⁽¹³⁾

Project/Deposit	Tonnes	100% Basis		Company Share ⁽¹⁰⁾ Pounds of U ₃ O ₈ (<i>,000</i>)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (<i>,000</i>)	
Millennium ⁽¹¹⁾	1,442,600	2.39	75,900	11,400
Kiggavik ⁽¹²⁾	10,418,000	0.55	127,300	21,500
Total Indicated Mineral Resources	11,860,600		203,200	32,900

Historical Inferred Mineral Resource Estimates ⁽¹³⁾

Project/Deposit	Tonnes	100% Basis		Company Share ⁽¹⁰⁾ Pounds of U ₃ O ₈ (<i>,000</i>)
		Grade % U ₃ O ₈	Pounds of U ₃ O ₈ (<i>,000</i>)	
Millennium ⁽¹¹⁾	412,400	3.19	29,000	4,400
Kiggavik ⁽¹²⁾	733,000	0.33	5,400	900
Total Inferred Mineral Resources	1,145,400		34,400	5,300

McClellan South

McClellan South Historical Estimates ⁽¹⁴⁾

Deposit	100% Basis			Company's Share
	Tons	Grade (% U ₃ O ₈)	Pounds of U ₃ O ₈ (,000)	Pounds of U ₃ O ₈ (,000)
Southwest Pod	47,600	2.10	2,000	500
Southeast Pod	126,700	0.73	1,900	400

Notes to Mineral Resource and Mineral Reserve & Historical Estimates Tables:

- CIM definitions were followed for classification of mineral reserves and mineral resources. Mineral resources are not mineral reserves and do not have demonstrated economic viability. Mineral resources, mineral reserves, and relevant assumptions, parameters and methods used for estimating, are documented in the following technical reports filed under the Company's profile on SEDAR+ and EDGAR:
 - Wheeler River: NI 43-101 Technical Report on the Wheeler River Project, Athabasca Basin, Saskatchewan, Canada", filed on August 9, 2023 with an effective date of June 23, 2023
 - McClellan: (A) the "Technical Report on the Denison Mines Inc. Uranium Properties, Saskatchewan, Canada" dated November 21, 2005, as revised February 16, 2006 (the "McClellan Technical Report"), (B) the "Technical Report on the Sue D Uranium Deposit Mineral Resource Estimate, Saskatchewan, Canada" dated March 31, 2006 (the "Sue D Report"), and (C) the "Technical Report on the Mineral Resource Estimate for the McClellan North Uranium Deposits, Saskatchewan" dated January 31, 2007 (the "McClellan North Technical Report")
 - Midwest: "Technical Report with an Updated Mineral Resource Estimate for the Midwest Property, Northern Saskatchewan, Canada" dated March 26, 2018
 - Waterbury: "Preliminary Economic Assessment for the Tthe Heldeth Túé (J Zone) Deposit, Waterbury Lake Property, Northern Saskatchewan, Canada" effective October 30, 2020
 - Christie Lake: "Technical Report for the Christie Lake Uranium Project, Saskatchewan, Canada" with an effective date of December 31, 2021 and filed on March 27, 2023

The summary information on Denison's proven mineral reserve estimate for McClellan was prepared from the year-end stockpile survey reported by Orano Canada, the MLJV operator.
- Mineral reserves are estimated at a cut-off grade of 0.5% U₃O₈ based on the ISR mining method, using a long-term uranium price of US\$50/lb U₃O₈ and a CA\$/US\$ exchange rate of 1.33. The mineral reserves are based on a mine operating cost of \$0.78/lb U₃O₈, process operating cost of \$5.20/lb U₃O₈, and process recovery of 99%. The effective date of the mineral reserve estimate is June 23, 2023. A mine recovery rate of 80.6% has been applied to convert the mineral resources to mineral reserves. Recoverable U₃O₈ refers to ISR recoverable and does not account for process losses.
- The effective date of the mineral reserves is September 1, 2018. Mineral reserves for the Gryphon deposit are estimated at a cut-off grade of 0.58% U₃O₈ based on longhole mining using a long-term uranium price of US\$50/lb and a US\$/CA\$ exchange rate of 0.8. The mineral reserves are based on a mine operating cost of \$150/t, mill operating cost of \$275/t, G&A cost of \$99/t, transportation cost of \$50/t, milling recovery of 97%, and 7.25% fee for Saskatchewan royalties. Mineral reserves include for diluting material and mining losses.
- Mineral reserves are stated at a processing plant feed reference point and include diluting material and mining losses.
- The measured and indicated mineral resources were estimated at various cut-off grades. They are:
 - Phoenix: 0.10% U₃O₈
 - Gryphon: 0.20% U₃O₈
 - Sue F: 0.10% U₃O₈
 - Sue D: 0.10% U₃O₈
 - McClellan North: 0.10% U₃O₈
 - Midwest Main: 0.10% U₃O₈ (0.085% U)
 - Midwest A: 0.10% U₃O₈ (0.085% U)
 - THT (J Zone): 0.10% U₃O₈
- The inferred mineral resources were estimated at various cut-off grades. They are:
 - Phoenix: 0.10% U₃O₈
 - Gryphon: 0.20% U₃O₈
 - Sue D: 0.10% U₃O₈
 - Sue E: 0.10% U₃O₈
 - McClellan North: 0.10% U₃O₈
 - Midwest Main: 0.10% U₃O₈ (0.085% U)
 - Midwest A: 0.10% U₃O₈ (0.085% U)
 - Huskie: 0.10% U₃O₈
 - Christie: 0.20% U₃O₈

7. Measured and indicated mineral resources for Phoenix and indicated mineral resources for Gryphon are inclusive of mineral reserves.
8. The operator conducted confirmatory drilling on a portion of the Sue E mineral resources outside the designated pit and late in 2006 submitted a preliminary analysis detailing an inferred mineral resource of approximately 2 million pounds on a 100% basis in this area, as compared to the 7.3 million pounds estimated in the February 2006 technical report. The mineral resource has not been re-estimated using the new drill information.
9. As at December 31, 2024, pursuant to the terms of the agreements with its applicable joint venture partners, the Company had an effective 95.00% interest in Wheeler River, a 22.50% interest in McClean Lake; a 25.17% interest in Midwest; and a 70.32% interest in Waterbury Lake.
10. Denison's share has been calculated as 50% of the product of JCU's percentage interest in the applicable project multiplied by the estimated mineral resources on a 100% basis.
11. Millennium mineral resources as reported by Cameco Corporation as of December 31, 2024 on their website at <https://www.cameco.com/businesses/uranium-projects/millennium/reserves-resources>. Cut-off grades and other assumptions, parameters and methods used to estimate resources are unknown.
12. Kiggavik mineral resources as reported by Orano in their 2023 Activities Report available on their website at https://cdn.orano.group/orano/docs/default-source/orano-doc/finance/publications-financieres-et-reglementees/2023/orano_annual-activity-report_2023_online.pdf and converted (for grades, from %U to %U₃O₈; and for pounds, from tonnes U to pounds U₃O₈). Cut-off grades and other assumptions, parameters and methods used to estimate resources are unknown.
13. Numbers may not add due to rounding.
14. The historical estimates do not comply with the requirement of NI 43-101. CIM definitions are not used.

Chad Sorba, P.Geo, Denison's Vice President Technical Services and Project Evaluation, is a "Qualified Person" in accordance with the requirements of NI 43-101, and has reviewed and approved all disclosure of scientific or technical information in this excerpt of Denison's Annual Information Form.