

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549 Form 6-K REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934 For the month of January 2025 Commission File Number 001-40099 GOLD ROYALTY CORP. (Registrant's name) 1188 West Georgia Street, Suite 1830 Vancouver, BC V6E 4A2 (604) 396-3066 (Address of principal executive offices) Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F: Form 20-F ☒ Form 40-F ☐ SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. GOLD ROYALTY CORP. Date: January 29, 2025 By: /s/ Andrew Gubbels Name: Andrew Gubbels Title: Chief Financial Officer EXHIBIT INDEX Exhibit A Description of Exhibit 99.1 Press Release dated January 29, 2025 Exhibit 99.1A Gold Royalty Achieves Record Revenue in 2024 — 231% increase in revenue and 146% increase in Total Revenue, Land Agreement Proceeds and Interest* in 2024 relative to 2023. Strategic acquisitions expected to continue to deliver strong growth in 2025 as key assets enter and ramp-up production. Vancouver, British Columbia January 29, 2025 Gold Royalty Corp. (Gold Royalty or the Company) (NYSE American: GROY) is pleased to announce record 2024 revenue driven by its cash flowing royalties at Canadian Malartic, CÃ©tÃ©, Borborema, Cozamin and Borden (Porcupine) and the Vares copper stream, further supported by strong commodity prices and Gold Royalty's unique royalty generator model. All amounts are expressed in U.S. dollars unless otherwise noted. Preliminary 2024 Results Total Revenue, Land Agreement Proceeds and Interest* increased by 192% in the fourth quarter of 2024, from the same period in 2023 to \$3.8 million (revenue of \$3.4 million), equating to 1,445 gold equivalent ounces (GEOs)*. For the full year of 2024, Total Revenue, Land Agreement Proceeds and Interest* increased by 146% from 2023 to a record \$12.8 million (revenue of \$10.1 million), equating to 5,462 GEOs*. Gold Royalty currently expects to achieve additional strong revenue growth in 2025 as production under the CÃ©tÃ© royalty and Vares stream continue to ramp up in accordance with their operators' current expectations. *GEOs and Total Revenue, Land Agreement Proceeds and Interest are non-IFRS financial measures. See Non-IFRS Measures below. Fourth Quarter 2024 Results and Webcast Details Gold Royalty expects to release its financial and operating results for the full year and quarter ending December 31, 2024, after-market on Wednesday, March 19, 2025. A conference call will be held at 11:00 a.m. ET (8:00 a.m. PT) on Thursday, March 20, 2025, to discuss these results. To participate, please use one of the following methods: Webinar: Click Here US (toll-free): 1-866-652-5200 Canada (toll-free): 1-855-669-9657 International: 1-412-317-6060 The fourth quarter 2024 results presentation will be available on Gold Royalty's website at www.goldroyalty.com and a replay of the event will be available following the presentation. About Gold Royalty Corp. Gold Royalty Corp. is a gold-focused royalty company offering creative financing solutions to the metals and mining industry. Its mission is to invest in high-quality, sustainable, and responsible mining operations to build a diversified portfolio of precious metals royalty and streaming interests that generate superior long-term returns for our shareholders. Gold Royalty's diversified portfolio currently consists primarily of net smelter return royalties on gold properties located in the Americas. Gold Royalty Corp. Contacts Jackie Przybylowski Vice President, Capital Markets Peter Behncke Director, Corporate Development & Investor Relations Telephone: (833) 396-3066 Email: info@goldroyalty.com Notice to Investors For further information regarding the properties underlying the Company's royalties, stream and other interests, please refer to the disclosures of the operators thereof, including the news releases referenced herein and the other disclosures of such operators. Disclosure relating to properties in which Gold Royalty holds interests is based on information publicly disclosed by the owners or operators of such properties. The Company generally has limited or no access to the properties underlying its interests and is largely dependent on the disclosure of the operators of its interests and other publicly available information. The Company generally has limited or no ability to verify such information. Although the Company does not have any knowledge that such information may not be accurate, there can be no assurance that such third-party information is complete or accurate. Forward-Looking Statements: Certain of the information contained in this news release constitutes forward-looking information and forward-looking statements within the meaning of applicable Canadian and U.S. securities laws (collectively, forward-looking statements), including but not limited to statements regarding: expectations regarding the operations and/or development of the projects underlying the Company's royalty interests; expectations regarding the Company's growth; and statements regarding the Company's plans and strategies. Such statements can be generally identified by the use of terms such as may, will, expect, intend, believe, plans, anticipate or similar terms. Forward-looking statements are based upon certain assumptions and other important factors, including assumptions of management regarding the accuracy of the disclosure of the operators of the projects underlying the Company's projects, their ability to achieve disclosed plans and targets, macroeconomic conditions, commodity prices, and the Company's ability to finance future growth and acquisitions. Forward-looking statements are subject to a number of risks, uncertainties and other factors which may cause the actual results to be materially different from those expressed or implied by such forward-looking statements including, among others, any inability of the operators of the properties underlying the Company's royalty interests to execute proposed plans for such properties or to achieve planned development and production estimates and goals, risks related to the operators of the projects in which the Company holds interests, including the successful continuation of operations at such projects by those operators, risks related to exploration, development, permitting, infrastructure, operating or technical difficulties on any such projects, the influence of macroeconomic developments, the ability of the Company to carry out its growth plans and other factors set forth in the Company's Annual Report on Form 20-F for the year ended December 31, 2023 and its other publicly filed documents under its profiles at www.sedarplus.ca and www.sec.gov. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. The Company does not undertake to update any forward-looking statements, except in accordance with applicable securities laws. Non-IFRS Measures We have included, in this document, certain performance measures, including: (i) Total Revenue, Land Agreement Proceeds and Interest; and (ii) GEOs which are each non-IFRS measures. The presentation of such non-IFRS measures is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. These non-IFRS measures do not have any standardized meaning prescribed by IFRS, and other companies may

calculate these measures differently. Total Revenue, Land Agreement Proceeds and Interest reconciliation Total Revenue, Land Agreement Proceeds and Interest are determined by adding land agreement proceeds credited against mineral properties and the Company's gold-linked loan interest. The Company has included this information as management believes certain investors use this information to evaluate our performance in comparison to other gold royalty companies in the precious metal mining industry. Below is a reconciliation of our Total Revenue, Land Agreement Proceeds and Interest to total revenue for the three month periods and years ended December 31, 2024 and 2023:

	For the three months ended December 31, 2024	For the three months ended December 31, 2023	For the year ended December 31, 2024	For the year ended December 31, 2023
Total Revenue	\$1,629	\$1,758	\$4,806	\$1,964
Stream Royalty	\$893	\$893	\$2,982	\$646
Pre-acquisition royalty revenue credited against Cozamin purchase price	\$226	\$732	\$137	\$2,982
Advance minimum royalty and pre-production royalty	\$297	\$391	\$3,085	\$2,347
Loan interests	\$295	\$33	\$1,081	\$33
Total Revenue, Land Agreement Proceeds and Interests	\$3,846	\$1,319	\$12,847	\$5,216
Land agreement proceeds credited against mineral properties	\$(196)	\$(270)	\$(1,663)	\$(1,909)
Pre-acquisition royalty revenue credited against Cozamin purchase price	\$226	\$732	\$137	\$2,982
Loan interests	\$(295)	\$(33)	\$(1,081)	\$(33)
Total Revenue, Land Agreement Proceeds and Interest	\$3,355	\$1,016	\$10,103	\$3,048
GEOs	\$2,661	\$1,445	\$7,744	\$2,173

Total GEOs are determined by dividing Total Revenue, Land Agreement Proceeds and Interest by the average gold prices for the applicable quarter and year: (in thousands of dollars, except Average Gold Price/oz and GEOs)

	Average Gold Price/oz	Total Revenue, Land Agreement Proceeds and Interest	GEOs
For the three months ended December 31, 2024	\$2,661	\$3,355	\$1,262
For the three months ended December 31, 2023	\$1,977	\$1,016	\$514
For the year ended December 31, 2024	\$2,352	\$10,103	\$4,295
For the year ended December 31, 2023	\$1,930	\$3,048	\$1,579