

NOVAGOLD

2023 Second Quarter Financial Results and Donlin Gold Update

June 28, 2023

TSX, NYSE American: NG | novagold.com



Second Quarter 2023 webcast & conference call agenda

Introduction

Mélanie Hennessey

Vice President, Corporate Communications

2023 Second Quarter Update

Greg Lang

President & Chief Executive Officer

2023 Second Quarter Financials

David Ottewell

Vice President & Chief Financial Officer

Question & Answer Session

CAUTIONARY STATEMENTS

REGARDING FORWARD-LOOKING STATEMENTS

This presentation includes certain “forward-looking information” and “forward-looking statements” (collectively “forward-looking statements”) within the meaning of applicable securities legislation, including the United States Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, included herein, including, without limitation, statements regarding the permitting, potential development, exploration, construction and operation of Donlin Gold and statements relating to NOVAGOLD’s future operating and financial performance and production estimates are forward-looking statements. Forward-looking statements are frequently, but not always, identified by words such as “expects”, “anticipates”, “believes”, “intends”, “estimates”, “potential”, “possible”, “poised”, and similar expressions, or statements that events, conditions, or results “will”, “may”, “could”, “would” or “should” occur or be achieved. These forward-looking statements may also include statements regarding the exploration potential of Donlin Gold; NOVAGOLD’s sustainability commitments; anticipated Donlin Gold mine life; perceived merit of properties; anticipated permitting timeframes; commencement of updated feasibility study; the 2023 budget; exploration and drilling results and budgets; mineral reserve and resource estimates; work programs; capital expenditures; timelines; strategic plans; benefits of the project; market prices for precious metals, including the potential performance of the price of gold; the potential of gold equities to outperform broader equities during current inflationary environment; whether the final \$75 million promissory note from the sale of Galore Creek will mature and be payable; potential shareholder returns; statements regarding the work program; anticipated benefits from the 2023 drill programs; or other statements that are not statements of fact. Forward-looking statements involve various risks and uncertainties. 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 NOVAGOLD’s expectations include the uncertainties involving unexpected cost increases, which could include significant increases in estimated capital and operating costs; the need for additional financing to explore and develop properties and availability of financing in the debt and capital markets; risks related to the coronavirus global pandemic (COVID-19); uncertainties involved in the interpretation of drilling results and geological tests and the estimation of reserves and resources; the need for continued cooperation with Barrick Gold Corporation for the continued exploration and development of the Donlin Gold property; the need for cooperation of government agencies and native groups in the development and operation of properties; risks of construction and mining projects such as accidents, equipment breakdowns, bad weather, non-compliance with environmental and permit requirements; unanticipated variation in geological structures, ore grades or recovery rates; the need to obtain permits and governmental approvals; fluctuations in metal prices and currency exchange rates; whether a positive construction decision will be made regarding Donlin Gold or Galore Creek; the timing and outcome of any legal challenges to Donlin Gold’s permits and/or decisions to reconsider any permit under appeal; and other risks and uncertainties disclosed in NOVAGOLD’s annual report filed on Form 10-K for the year-ended November 30, 2022, and subsequently in NOVAGOLD’s quarterly reports filed on Form 10-Q, with the United States Securities and Exchange Commission (SEC), Canadian securities regulators, and in other NOVAGOLD reports and documents filed with applicable securities regulatory authorities from time to time. Copies of these filings may be obtained at no charge by visiting our Investor Relations website at www.novagold.com or the SEC’s website at www.sec.gov or at www.sedar.com. NOVAGOLD’s forward-looking statements reflect the beliefs, opinions and projections of management on the date the statements are made. NOVAGOLD assumes no obligation to update the forward-looking statements of beliefs, opinions, projections, or other factors, should they change, except as required by law.

ALL DOLLAR AMOUNTS QUOTED IN THIS REPORT ARE IN U.S. CURRENCY UNLESS OTHERWISE NOTED.

Forward-looking statements are based on a number of material assumptions, including but not limited to the following, which could prove to be significantly incorrect: our ability to achieve production at any of our mineral exploration and development properties; estimated capital costs, operating costs, production and economic returns; estimated metal pricing, metallurgy, mineability, marketability and operating and capital costs, together with other assumptions underlying our resource and reserve estimates; our expected ability to develop adequate infrastructure and that the cost of doing so will be reasonable; assumptions that all necessary permits and governmental approvals will be obtained and the timing of such approvals; assumptions made in the interpretation of drill results, the geology, grade and continuity of our mineral deposits; our expectations regarding demand for equipment, skilled labor and services needed for exploration and development of mineral properties; and that our activities will not be adversely disrupted or impeded by development, operating or regulatory risks.

CAUTIONARY NOTE CONCERNING RESERVE & RESOURCE ESTIMATES

This presentation uses the terms “mineral resources”, “measured mineral resources”, “indicated mineral resources” and “inferred mineral resources”. Mineral resources that are not mineral reserves do not have demonstrated economic viability. You should not assume that all or any part of measured or indicated mineral resources will ever be converted into mineral reserves. Further, inferred mineral resources have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. On October 31, 2018, the SEC adopted new mining disclosure rules (“S-K 1300”) that are more closely aligned with current industry and global regulatory practices and standards, including National Instrument 43-101 – Standards of Disclosure for Mineral Projects (“NI 43-101”). NOVAGOLD has elected to comply with S-K 1300 beginning with its fiscal year ended November 30, 2021.

While S-K 1300 is more closely aligned with NI 43-101 than the prior SEC mining disclosure rules, there are some differences. Notably, unlike NI 43-101, S-K 1300 requires that resources be disclosed exclusive of mineral reserves, and that mineral resources and reserves be disclosed on the basis of our interest in them. NI 43-101 is a rule developed by the Canadian Securities Administrators, which established standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. Unless otherwise indicated, all resource estimates contained in this presentation have been prepared in accordance with NI 43-101 and the CIM Definition Standards, as well as S-K 1300.

Project	Qualified Person(s)	Most Recent Disclosure
Donlin Gold	Kirk Hanson, MBA, P.E. Michael Woloschuk, P.Eng. Henry Kim, P.Geo. Wood Canada Limited	“NI 43-101 Technical Report on the Donlin Gold Project, Alaska, USA” (“2021 Technical Report”) prepared by Wood Canada Limited (“Wood”), effective June 1, 2021. “S-K 1300 Technical Report Summary on the Donlin Gold project, Alaska USA” (“S-K 1300 Technical Report”) prepared by Wood, dated November 30, 2021.

Paul Chilson, P.E., who is the Manager, Mine Engineering for NOVAGOLD and a “qualified person” under NI 43-101 and S-K 1300, has approved the scientific and technical information contained in this presentation.

Investment Thesis

Greg Lang

President & Chief Executive Officer

WHY INVEST IN NOVAGOLD?



PARTNERSHIPS

Longstanding partnerships with Alaska Native Corporations and Barrick Gold



LEVERAGE

Excellent leverage to a rising gold price



BALANCE SHEET

Cash and term deposits of \$109 million with \$25 million of receivables in July 2023¹



MANAGEMENT & BOARD

Successful track record of building and operating mines



SHAREHOLDERS

Strong support from premier institutional investors

¹ See endnotes for this slide in Appendix

² See Mineral Reserves & Mineral Resources table

SIZE

39Moz gold contained in measured and indicated mineral resources²



Donlin Gold An exceptional asset



JURISDICTION

Alaska is a premier mining jurisdiction⁵ with a well-established tradition of responsible mining



GRADE

2.24 g/t³ Au, more than double the world average grade⁴

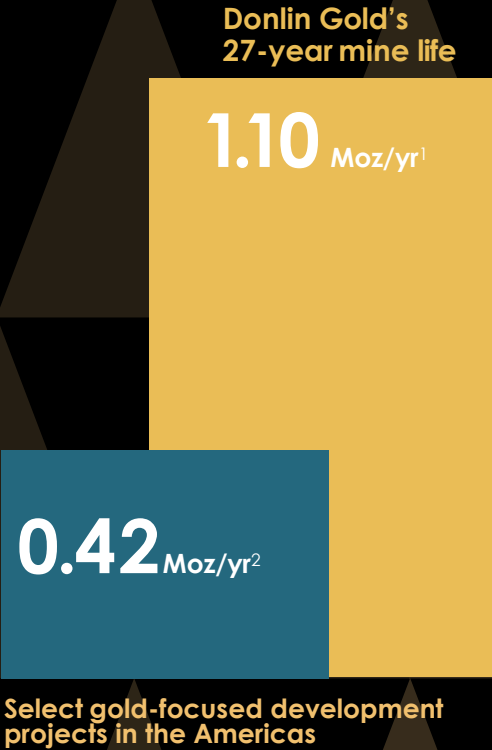
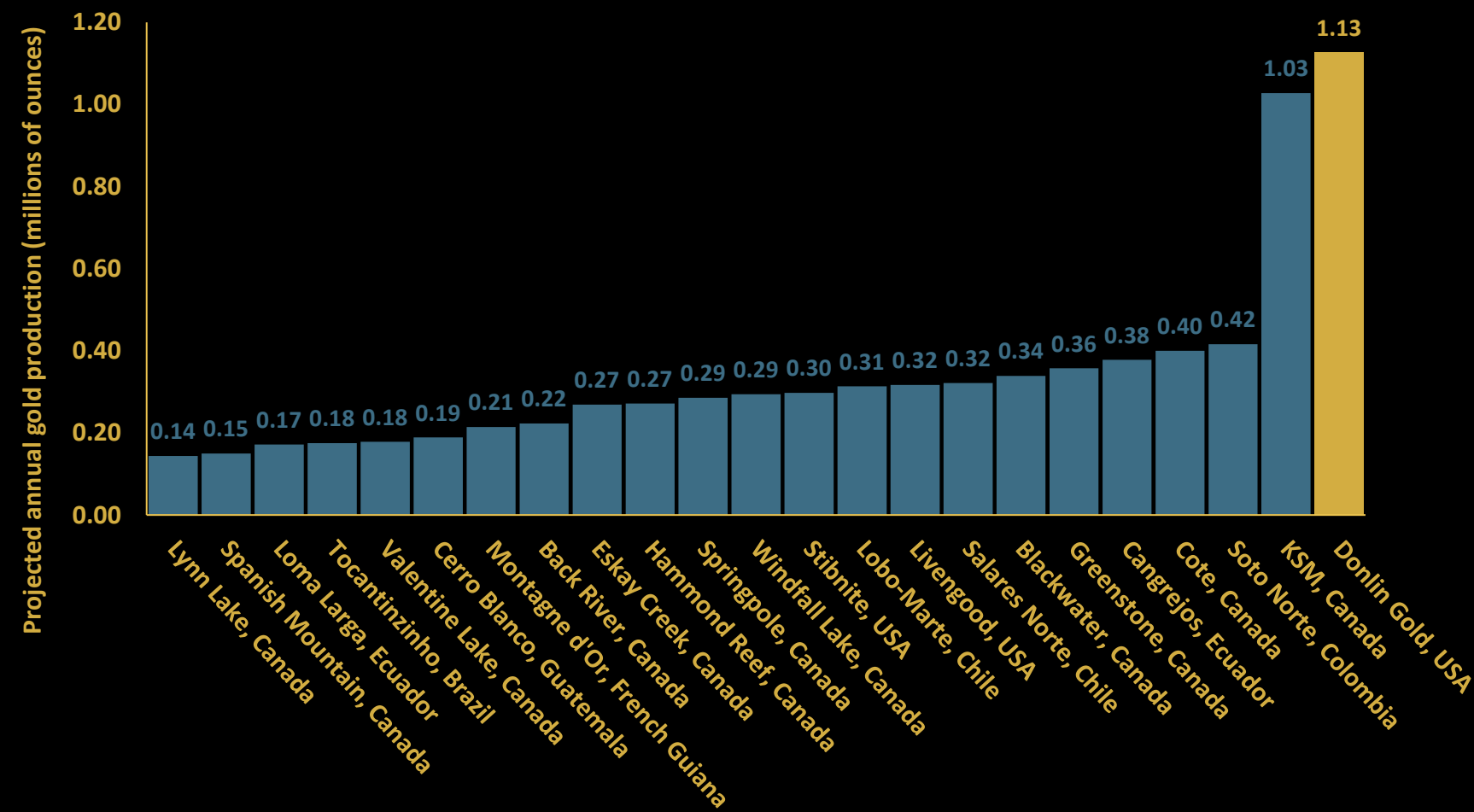


EXPLORATION POTENTIAL

Endowment is contained within three kilometers of an eight-kilometer-long mineralized trend, which itself is located on less than 5% of Donlin Gold's land position

POSITIONED TO BECOME A MILLION-OUNCE GOLD PRODUCER¹

Anticipated to be one of the highest gold producers in the Americas



¹See endnotes for this slide in Appendix
²See Mineral Reserves & Mineral Resources table

DOUBLE THE GLOBAL AVERAGE GOLD GRADE¹

Among the world's highest-grade known open-pit gold deposits



Global average grade¹

Donlin Gold average grade²

- ▶ While global average gold grades are declining, **Donlin Gold's grade provides resilience** through commodity price cycles

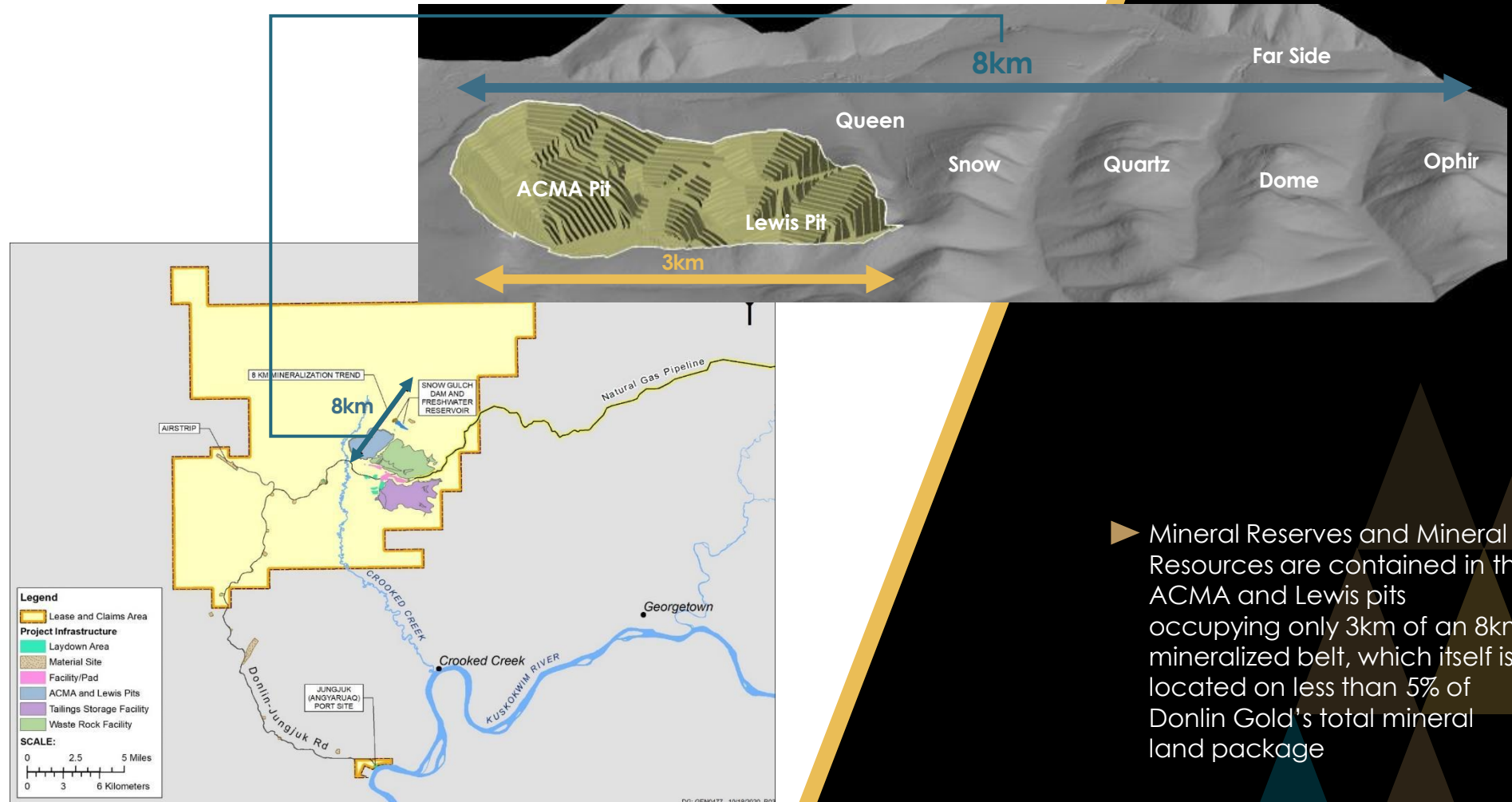
[See endnotes for this slide in Appendix](#)

WITH 82% OF DONLIN GOLD LAND UNEXPLORED... THE NEXT BIG GOLD DISCOVERY COULD BE AT DONLIN GOLD

Significant potential to expand current resource at depth and along strike

- From 2006 to 2011, M&I resources increased 135% (16.6Moz¹ to 39.0Moz² on 100% basis)
- Gold resource defined with approximately 1,400 drillholes totaling more than 339,000 meters
- Inferred mineral resource: 6Moz of gold (92M tonnes grading 2.02 g/t Au) mainly inside the reserve pit³

[See endnotes for this slide in Appendix](#)
[* See Mineral Reserves & Mineral Resources table](#)



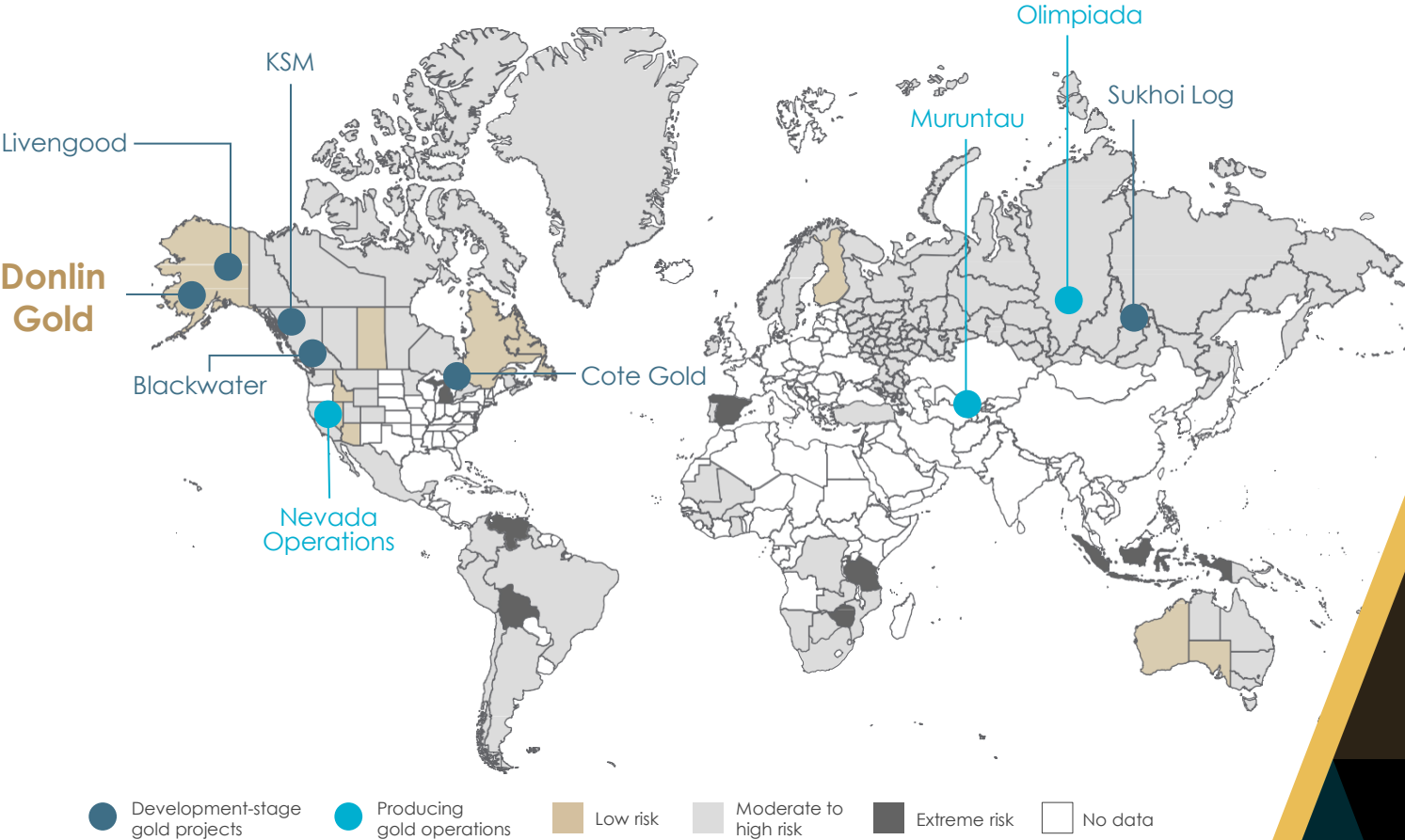
- ▶ Mineral Reserves and Mineral Resources are contained in the ACMA and Lewis pits occupying only 3km of an 8km mineralized belt, which itself is located on less than 5% of Donlin Gold's total mineral land package

GREAT LEVERAGE IN A PLACE WHERE YOU CAN KEEP IT

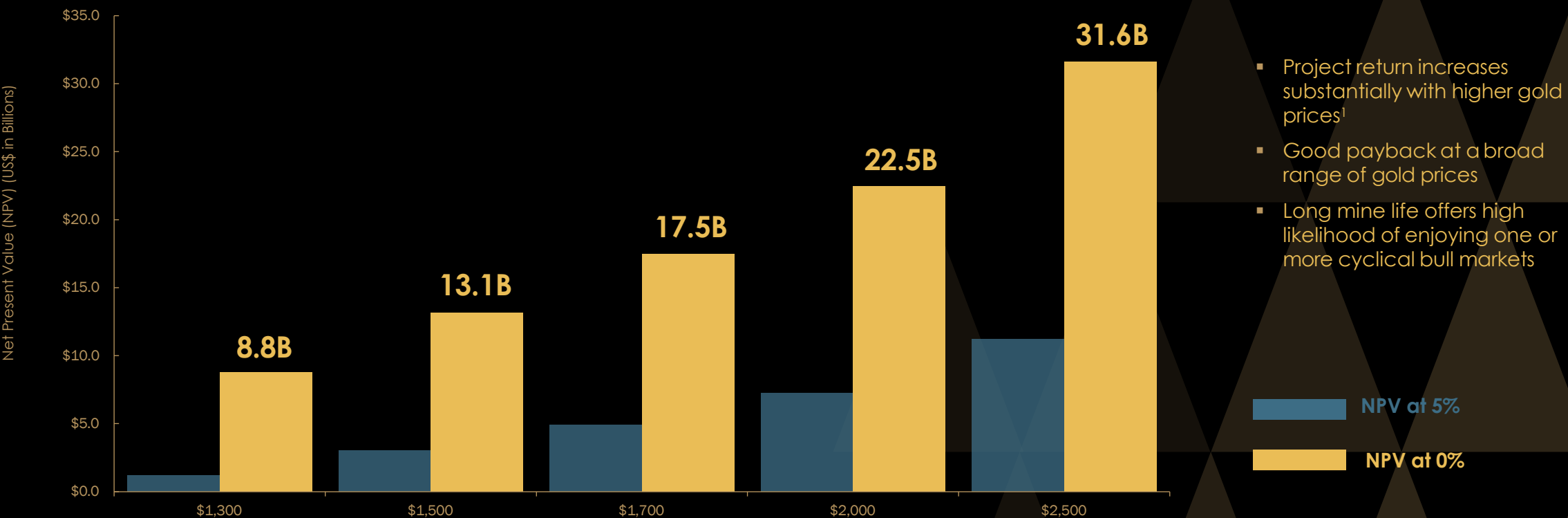
Comparing the top three gold producing operations¹ and six largest gold development projects²

Projects/ Operations	Location	M&I*	Grade (g/t)
Gold development projects			
KSM	British Columbia	88.4	0.51
Sukhoi Log	British Columbia	11.7	0.61
Donlin	Alaska	39.0⁴	2.24⁵
Livengood	Alaska	13.6	0.60
Cote Gold	Ontario	13.6	0.89
Blackwater	British Columbia	11.7	0.61
Producing gold operations			
Nevada Operations	Nevada	79.9	1.18
Muruntau	Uzbekistan	48.2	2.50
Olimpiada	Russia	34.0	3.67

* M&I gold resource (millions of ounces)
[See endnotes for this slide in Appendix](#)
[*See Mineral Reserves & Mineral Resources table](#)



EXTRAORDINARY LEVERAGE TO GOLD



Operating and capital costs per 2021 Technical Report and S-K 1300 Technical Report Summary not adjusted for inflation
[See endnote for this slide in Appendix](#)

ALASKA NATIVE CORPORATION PARTNERSHIPS ELEVATE THE PROJECT

Donlin Gold has life-of-mine agreements with Alaska Native Corporations Calista and TKC

Land valuable for resource potential was selected by regional Alaska Native Corporations, and resource development companies were invited by the Native Corporations to explore. As landowners, Calista and TKC are committed to developing a mining operation consistent with the Elders' vision of responsible development that creates jobs and economic benefits while safeguarding the environment and culture.

Calista Corporation

“The Donlin Gold Project is important to Calista because of the potential it has not only for Calista and our Shareholders but for the communities in our region. We need to provide hope for our young people. The jobs Donlin will provide at the project site and other locations will greatly help provide that hope. We are actively participating in the development of this project to ensure responsible development. Calista's priority is subsistence because it's an economy we've had for millennia, that we still rely on today and we will rely on into the future. Subsistence activities and the cash economy are interdependent now, and Donlin will help Calista Shareholders greatly in that respect. We saw it in the exploration phase when many of our Shareholders worked at the project site and used their wages to help their families acquire new boats and fishing nets.”

- Andrew Guy, President & CEO



Andrew Guy
President & CEO



Andrea Gusty
President & CEO

The Kuskokwim Corporation (TKC)

“The Kuskokwim Corporation, TKC, has been involved every step of the way, in not only inviting Donlin Gold onto our land, but also in writing the permits, in environmental oversight, and really ensuring that this is the best possible project on our land to provide those opportunities for our shareholders, and so we have been very focused on this partnership between Donlin Gold and its partners, Barrick and NOVAGOLD, Calista Corporation and the Kuskokwim Corporation, we're all working very closely hand-in-hand.”

- Andrea Gusty, President & CEO

2023 Second Quarter Highlights

SECOND QUARTER ACTIVITIES

Advancing a federally permitted project toward an updated feasibility study

Activities advanced in five key areas at Donlin Gold:

1. Moved toward completion of the **geologic and resource models** with the data derived from the extensive drill programs over the last three years;
2. All key project assumptions, inputs, and design components for **optimization** (mine engineering, metallurgy, hydrology, and infrastructure) were subjected to extensive analysis;
3. **Fieldwork and geotechnical drilling** were advanced to collect data required for the design documentation for the Alaska Dam Safety certificates planned for construction, as was the hydrological drilling to further define the depth and flow of groundwater in the areas of the planned Donlin Gold pit and surrounding infrastructure to support mine planning and design;
4. The remaining **permits** needed for the project proceeded through the regulatory process, while existing Federal and State permits are maintained; the new air quality permit is anticipated to be issued by June 30, 2023; and
5. Building long-term value through continued **engagement**, while sustaining and even expanding project support in the Y-K region:
 - Conducted visits to Washington, DC with Calista for governmental outreach to the Biden Administration and U.S. Congress. Delegations included Senators Lisa Murkowski, Dan Sullivan and Representative Mary Peltola from the Y-K region.
 - In early May, the village of Crooked Creek's Traditional Council, which recently re-affirmed its support for the project, accompanied Calista and Donlin Gold in Washington DC to highlight the thoroughness of the project's environmental review and permitting processes, as well as the partnerships with Native Alaskans that own the land and mineral resources.



Donlin Gold Site

SECOND QUARTER ACTIVITIES

Longstanding partnerships with our Alaska Native Corporation Partners Calista and TKC with considerable outreach and engagement activities throughout the Y-K region

Environmental and Social Initiatives

- Supported Crooked Creek with supplies, transportation and housing following a major flooding event due to the Kuskokwim River ice break-up.
- Provided financial assistance to Covenant House Alaska and Bethel Community Services to address chronic and ongoing youth shelter issues.
- Collaborated with Bethel Community Services Foundation and the Aruqutet project to address food insecurity Bethel.
- Sponsored the Lower Kuskokwim School District's annual college and career fair.
- Actively supporting 52 villages as part of the annual Clean-up Green-up program, to collect and dispose of trash from the tundra, roads, public areas and beaches in the Y-K region.
- Supported the Chevak Search and Rescue team and provided funding to various health and safety initiatives of communities throughout the Y-K region.

Community Engagement

- In early March, TKC, Calista, and Crooked Creek held a tribal consultation meeting with the Corps Alaska District leadership to emphasize the benefits of the project, as well as the strengths, and transparency of the NEPA review and Federal permitting process.
- In partnership with Calista and TKC, Donlin Gold held the first informational meeting for the Subsistence Community Advisory Committee (SCAC) in Aniak.
- Continued to work with Calista and TKC in all aspects of outreach and engagement throughout the Y-K region.
- Finalized Shared Value Statements with two villages from the Y-K region for a total of 14 Shared Value Statements.

NOVAGOLD LAUNCHES 2022 SUSTAINABILITY REPORT

Featuring 2022 environmental, social and corporate governance performance data



PRESIDENT AND CEO MESSAGE

During 2022, our achievements included an **excellent health and safety record** (zero lost-time incidents in more than ten years), a project site workforce comprised of **more than 80% Alaska Native employees**, and an **increase in community engagements and investments** throughout the Y-K region.

NOVAGOLD is pleased to release its annual sustainability report with a focus on our fiscal year 2022 performance in the areas of environmental stewardship, health and safety, social engagement, and corporate governance. I am especially proud of our work with Barrick Gold, 50/50 co-owner in Donlin Gold LLC at our primary asset in western Alaska, on the Donlin Gold project.

In the spirit of advancing the Donlin Gold project toward a construction decision and eventual operation, we continue to work in close coordination with our Alaska Native Corporation partners, Calista Corporation ("Calista") and The Kuskokwim Corporation (TKC) to bring economic, social, and environmental benefits to the people of the Yukon-Kuskokwim (Y-K) region in ways that value and protect their lands, waters, and traditional ways of life. During 2022, our achievements included an excellent health and safety record (zero lost-time incidents in more than ten years), a project site workforce comprised of more than 80% Alaska Native employees, and an increase in community engagements and investments throughout the Y-K region.

In 2022, we developed formal, corporate climate change and biodiversity policies. In 2023, we will be implementing these policies within our field operations as they apply to the Donlin Gold project. Alaska is a part of the world where the effects of climate change are a pronounced concern and preservation of biodiversity is essential to the communities and their residents who rely on subsistence resources for their lifestyle.

More broadly, throughout 2023, we will continue to monitor, reflect on, and refine our environmental, social, and governance (ESG) performance including maintaining strong records of environmental and health and safety performance at the Donlin Gold project site, expanding our investments and partnerships with the people and communities of the Y-K region, and rigorously working to enhance our governance practices, including ensuring implementation of our updated human rights and new diversity, equity, and inclusion policies.

At NOVAGOLD, we are dedicated to building trust and transparency in, and continuous improvement and enhancements to, our sustainability initiatives and policies. We believe that mines can be developed in collaboration with people who have the local knowledge to help minimize environmental impacts while benefiting from economic activity. NOVAGOLD is committed to the principles of sustainable development, including the conservation and preservation of natural resources and the environment. Our goal is to be first-in-class in the development and implementation of our ESG program and as always, we welcome input from our partners, shareholders, stakeholders and other interested parties.

Sincerely,

Gregory A. Lang
President and CEO

February 28, 2023

ESG HIGHLIGHTS 2022

DONLIN GOLD ENVIRONMENT

ZERO
hazardous material spills to water

2,633 tonnes
CO₂ Eq (GHG) emissions

26
community partners helped remove 133k lbs. of hazardous waste from local villages

DONLIN GOLD SOCIAL

HEALTH & SAFETY
ZERO
lost-time incidents or fatalities

6,370
engagements with communities and stakeholders

\$3.5 Million
in payments, sponsorships, and community initiatives

82%
direct hires on the Donlin Gold drill program were Alaska Natives

24
villages that Donlin Gold employees call home

NOVAGOLD GOVERNANCE

30%
of our board members are ETHNIC MINORITIES

30%
of our board members are WOMEN

8%
of our employees are ETHNIC MINORITIES

46%
of our employees are WOMEN

View full report here: <https://www.novagold.com/sustainability/>

2023 Second Quarter Financial Results

David Ottewell

Vice President & Chief Financial Officer

Q2 2023 OPERATING PERFORMANCE

(US\$ millions)	Three months ended May 31,		Six months ended May 31,	
	2023	2022	2023	2022
General and administrative	\$5.5	\$5.4	\$11.1	\$10.5
Donlin Gold	7.5	8.4	12.0	12.5
Operating loss	13.1	13.8	23.1	23.0
Other expense, net ¹	1.5	1.2	2.2	2.0
Net loss	\$14.6	\$15.0	\$25.3	\$25.0

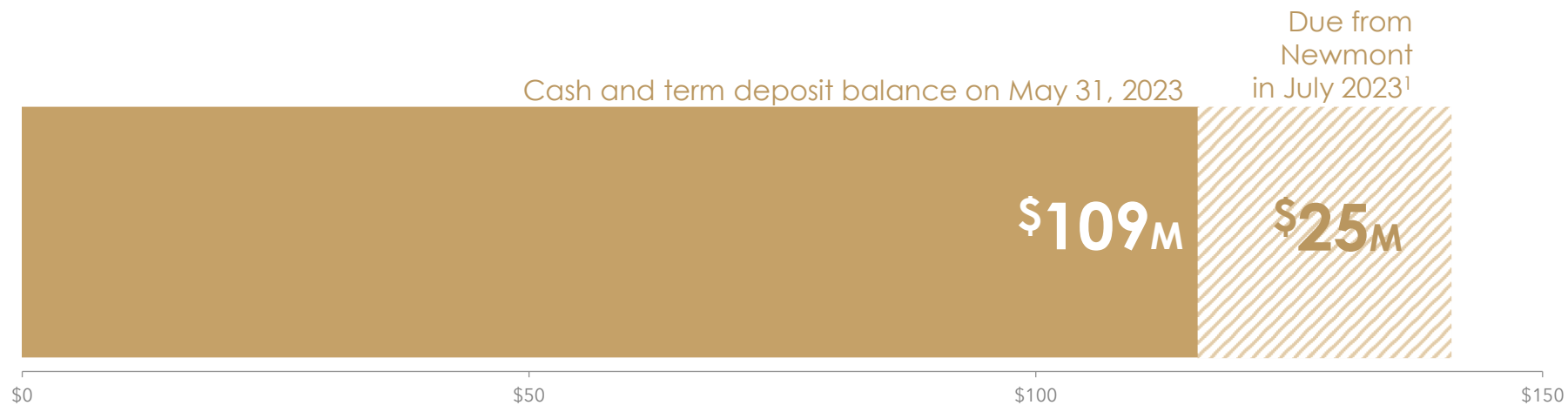
[See endnotes for this slide in Appendix](#)

Q2 2023 CASH FLOW

(US\$ millions)	Three months ended May 31,		Six months ended May 31,	
	2023	2022	2023	2022
General and administrative ¹	\$(3.4)	\$(3.3)	\$(6.8)	\$(6.4)
Donlin Gold	(7.0)	(10.6)	(12.8)	(16.5)
Working capital, interest and other	3.2	9.1	2.7	6.2
Withholding tax on share-based compensation	—	—	—	(2.1)
Decrease in cash and term deposits	(7.2)	(4.8)	(16.9)	(18.8)
Cash and term deposits:				
Beginning	116.1	139.1	125.9	153.1
Ending	\$109.0	\$134.3	\$109.0	\$134.3

[See endnotes for this slide in Appendix](#)

STEWARDING A ROBUST TREASURY



2023 Budget²	
Donlin Gold project expenditures	\$17M
Corporate G&A	\$13M
Working capital and other items	\$1M
Total	\$31M

[See endnotes for this slide in Appendix](#)

UPCOMING CATALYSTS

Steadily advancing the Donlin Gold project up the value chain

- Update resource model
- Complete fieldwork and trade-off studies
- Comprehensive work being completed will provide valuable information for the Donlin Gold LLC board and its owners to consider with respect to an updated feasibility study decision

“ Possessing the unique combination of industry-leading size, grade, and excellent exploration upside with which to move the needle in the gold industry, our project's location in Alaska – a safe and time-tested jurisdiction in which to develop, build and operate a mine for generations to come – makes it the ultimate company-maker.

Greg Lang, NOVAGOLD's President and CEO



STRONG INSTITUTIONAL SHAREHOLDER AND MANAGEMENT SUPPORT

The 10 largest shareholders represent 65.7% of shares issued and outstanding¹

Executive Officers' ownership has increased to ~2.8 million² shares since joining the company

34.3%

all other shareholders

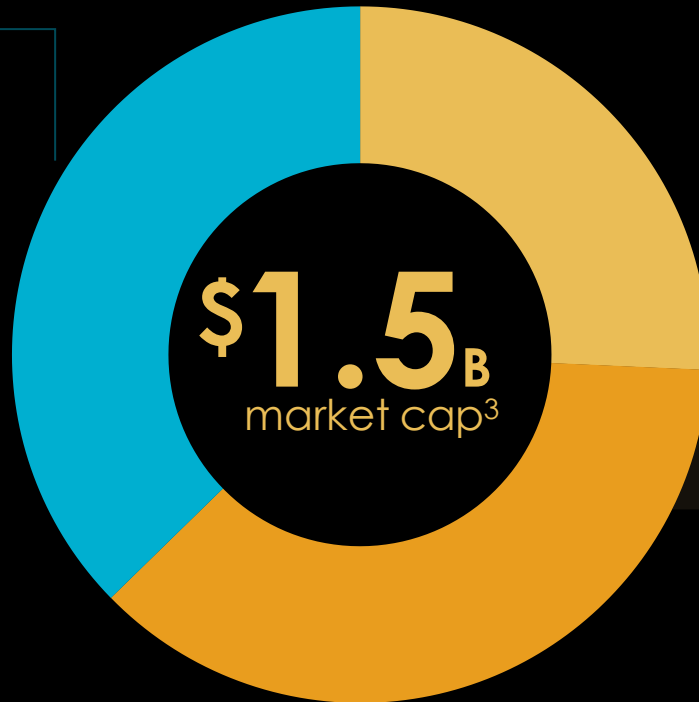
**Common shares issued
& outstanding⁴:** 334,132,703³

Options⁴: 8,695,067

PSUs⁴: 1,605,500

DSUs⁴: 321,416

Warrants: None



65.7 %

top 10 shareholders

25.3% Electrum Strategic Resources LP & affiliates

7.2% Fidelity Management & Research Company

6.7% Paulson & Co. Inc.

5.6% First Eagle Investment Management, LLC

4.8% Saudi Public Investment Fund

4.7% EXOR Investments (UK) LLP

3.2% Blackrock Inc.

2.8% The Vanguard Group, Inc.

2.7% Van Eck Associates Corporation

2.7% Kopernik Global Investors, LLC

[See endnotes for this slide in Appendix](#)

Appendix

MINERAL RESERVES

Donlin Gold	Tonnage	Grade	Metal content		Attributable to NOVGAOLD
GOLD	kt	g/t Au	koz Au	koz Au	koz Au
Reserves¹					
Proven	7,683	2.32	573		287
Probable	497,128	2.08	33,276		16,638
P&P	504,811	2.09	33,849		16,925

- a) These Mineral Reserve estimates have been prepared in accordance with NI 43-101 and the 2014 CIM Definition Standard and S-K 1300, unless otherwise noted.
- b) Rounding as required by reporting guidelines may result in apparent summation differences between tonnes, grade, and contained metal content.
- c) Tonnage and grade measurements are in metric units. Contained gold is reported as troy ounces. Currency is reported as U.S. dollars.

[See endnotes for this slide in Appendix](#)

▶ *Mineral reserves and mineral resources are reported on a 100% basis and on a 50% basis.
NOVAGOLD and Barrick each own 50% of the Donlin Gold project.

Donlin Gold approximate cut-off grades
(see Mineral Resources and Reserves Footnotes):

Reserves¹ : 0.57 g/t gold

Resources² : 0.47 g/t gold

t = metric tonne
g/t = grams/tonne
oz = troy ounce
k = thousand
M = million

MINERAL RESOURCES

Donlin Gold	Tonnage	Grade	Metal content	Attributable to NOVGAOLD
GOLD	kt	g/t Au	koz Au	koz Au
Resources², exclusive of Reserves				
Measured	869	2.23	62	31
Indicated	69,402	2.44	5,435	2,718
M&I	70,271	2.43	5,497	2,749
Inferred	92,216	2.02	5,993	2,997
Resources², inclusive of Reserves				
Measured	7,731	2.52	626	313
Indicated	533,607	2.24	38,380	19,190
M&I	541,337	2.24	39,007	19,503
Inferred	92,216	2.02	5,993	2,997

[See endnotes for this slide in Appendix](#)

► *Mineral reserves and mineral resources are reported on a 100% basis and on a 50% basis. NOVAGOLD and Barrick each own 50% of the Donlin Gold project.

Donlin Gold approximate cut-off grades
(see Mineral Resources and Reserves Footnotes):

Reserves¹ : 0.57 g/t gold

Resources² : 0.47 g/t gold

t = metric tonne

g/t = grams/tonne

oz = troy ounce

k = thousand

M = million

- a) These Mineral Resource estimates have been prepared in accordance with NI 43-101 and the 2014 CIM Definition Standard and S-K 1300, unless otherwise noted.
- b) Rounding as required by reporting guidelines may result in apparent summation differences between tonnes, grade, and contained metal content.
- c) Tonnage and grade measurements are in metric units. Contained gold is reported as troy ounces. Currency is reported as U.S. dollars.

DONLIN GOLD

S-K 1300 Technical Report Summary – Donlin Gold project, Alaska, USA dated November 30, 2021 (100% basis)

Key financial economic & production data	
Initial capital costs	\$7.4B
Sustaining capital costs over LOM (27 years)	\$1.7B
Average annual gold production	
LOM	1.1Moz
First 5 years	1.5Moz
Economic outcomes at \$1,500/oz gold	
After tax cash flow	\$13.1B
After tax NPV (5%)	\$3.0B
After tax IRR	9.2%
After tax payback	7.3 years

LOM operating costs			
Area	\$/t Processed	\$/t Mined	\$/oz Au
Mine operations	16.70	2.59	278
Processing operations	13.70	2.12	228
Administration	3.49	0.54	58
Land & royalty payments	4.32	0.67	72
Total (differences due to rounding)	38.21	5.90	635

Full report available on NOVAGOLD's website here:

https://www.novagold.com/properties/donlin_gold/technical_report/

PERMITTING UPDATE

Key federal permits for the project received and state permitting is well-advanced

Federal Permitting Completed	
✓	Final Environmental Impact Statement (EIS)*
✓	Joint Record of Decision (ROD) by the Army Corps of Engineers and Bureau of Land Management*
✓	Section 10/404 (wetlands) and BLM Offer to Lease for pipeline*
✓	Pipeline and Hazardous Materials Safety Administration

State Permitting Pending	
	Dam safety (multi-year commitment)

State Permitting Completed	
✓	Air Quality
✓	Alaska Pollutant Discharge Elimination System
✓	Clean Water Act Section 401 Certification*
✓	Reclamation Plan
✓	Title 16 Fish Habitat
✓	Waste Management
✓	Pipeline Right-of-Way*
✓	Land leases, easements, and land use (non-pipeline)
✓	Water Rights*
✓	Public Right-of-Way re-locations in mine area and along access road

*Under appeal

MANAGEMENT

	<p>Gregory Lang President and CEO</p>	<ul style="list-style-type: none"> ▪ Former President of Barrick Gold North America ▪ 40+ years experience building & operating major open-pit and underground mines (Goldstrike, Cortez, Turquoise Ridge, Bald Mountain) ▪ Diverse experience in mine operations, project development and evaluations
	<p>David Ottewell VP and Chief Financial Officer</p>	<ul style="list-style-type: none"> ▪ Former VP and Corporate Controller of Newmont Mining Corporation ▪ 35+ years of mining industry experience ▪ Diverse experience in all facets of financial management, from mine operations to executive corporate financial management of premier gold producers
	<p>Mélanie Hennessey VP, Corporate Communications</p>	<ul style="list-style-type: none"> ▪ 20 years of experience in financial markets, corporate governance, indigenous relations, sustainability, M&A, compensation, risk management, and crisis preparedness and response ▪ Held a variety of executive and senior IR & corporate communications positions with Goldcorp, New Gold, and Hecla Mining Company ▪ Leading NOVAGOLD's internal and external communications functions
	<p>Ron Rimelman VP, Environment, Health, Safety and Sustainability</p>	<ul style="list-style-type: none"> ▪ 35+ years of environmental experience, managing environmental impact assessments and permitting activities world-wide ▪ Leadership role on mine permitting and NEPA evaluations for mine projects in Alaska since 1993 ▪ President of the American Exploration and Mining Association, 2022
	<p>Richard Williams VP, Engineering and Development</p>	<ul style="list-style-type: none"> ▪ Led the design and construction of the Pueblo Viejo project in the Dominican Republic ▪ 40+ years of experience developing and operating major mines (Goldstrike and Mercur) ▪ Highly knowledgeable and experienced leader in autoclave technology ▪ Member of the American Institute of Mining, Metallurgical, and Petroleum Engineers; CIM

ENDNOTES

SLIDE 5 – Why invest in NOVAGOLD?

1. NOVAGOLD sold its 50% ownership of the Galore Creek project to Newmont in 2018. Deferred compensation on the sale of Galore Creek includes \$25 million on earlier of Feasibility Study or July 27, 2023. An additional \$75 million is contingent upon construction approval.
2. Represents 100% of measured and indicated resources, inclusive of mineral reserves, of which 50% is NOVAGOLD's share. Donlin Gold is not in production and a construction decision has not been made. For more information see "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
3. Represents average grade of measured and indicated mineral resources, inclusive of mineral reserves. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
4. 2021 average grade of open-pit and underground deposits with gold as primary commodity and over 1Moz in measured and indicated resources, sourced from S&P Global Market Intelligence.
5. Alaska ranks number 11 globally in the Fraser Institute Annual Survey of Mining Companies 2022, Investment Attractiveness Index.

SLIDE 6 - Positioned to become a million-ounce gold producer

1. Anticipated annual gold production during full life of mine if put into production as contemplated in the 2021 Technical Report and the S-K 1300 Technical Report Summary. See "Cautionary note concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
2. Average of comparison group data of 22 projects based on large (2Moz proven and probable mineral reserves cut off), North/South American gold-focused development projects with >75% projected revenues from gold, as per latest company documents, public filings and websites as of June 2023.

SLIDE 7 – Double the global average gold grade

1. 2022 average grade of open-pit deposits with gold as primary commodity and over 1Moz in measured and indicated resources, sourced from S&P Global Market Intelligence.
2. Represents average grade of measured and indicated mineral resources, inclusive of mineral reserves. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.

SLIDE 8- The next big gold discovery could be at Donlin Gold

1. Represents measured and indicated mineral resources previously reported by NOVAGOLD and supported by a past technical report, "Preliminary Assessment, Donlin Creek Gold Project, Alaska, USA", effective September 20, 2006. Represents 100% of measured and indicated mineral resources reported, of which NOVAGOLD's share was 70% in September 2006. Measured resources totaled 20 million tonnes grading 2.56 grams per tonne, and indicated resources totaled 196 million tonnes grading 2.39 grams per tonne. These estimates were not prepared in accordance with S-K 1300. This estimate has been superseded by the estimate contained in the 2021 Technical Report. For current mineral reserves and resources, refer to "Cautionary Note Concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
2. Represents 100% of M&I resources, inclusive of mineral reserves, of which 50% is NOVAGOLD's share. Donlin Gold is not in production and a construction decision has not been made. For more information see "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
3. Represents 100% of inferred mineral resources, of which NOVAGOLD's share is 50%. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 25 & 26. Inferred resources have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically.

SLIDE 9 – Great leverage in a place where you can keep it

1. Only three mines produced greater than 1 million ounces in 2022: Nevada Operations (3,028koz), Muruntau (3,054koz), and Olimpiada (1,052koz), as per S&P Capital IQ.
2. Gold development stage projects defined as the top 5 globally by contained gold in measured and indicated resources, >75% projected revenues from gold, and with stated proven and probable reserves, as per latest company documents, public filings and websites as of February 2022.
3. Investment Attractiveness Index ranking, Figure 3, in the Fraser Institute Annual Survey of Mining Companies 2022
4. Represents 100% of M&I resources, inclusive of mineral reserves, of which 50% is NOVAGOLD's share. Donlin Gold is not in production and a construction decision has not been made. For more information see "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24.
5. Represents average grade of measured and indicated mineral resources, inclusive of mineral reserves. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" tables on slides 3, 23 & 24

SLIDE 10 – Extraordinary leverage to gold

1. Donlin Gold estimates as per the 2021 Technical Report and the S-K 1300 Technical Report Summary. All dollar figures are in USD, represent 100% of the project of which NOVAGOLD's share is 50%, and reflect after-tax net present value (at 0% and 5% discount rates) of the Donlin Gold project using the reference date of start of Year -06 as the first year of discounting. Estimated owner's initial capital project development costs of approximately \$348M to be spent prior to the reference date are treated as sunk costs. At a 5% discount rate, the net present value is: (\$1,832M) @ \$1,000 gold; \$202M @ \$1,200 gold; \$1,161M @ \$1,300 gold; \$3,040M @ \$1,500 gold; \$4,887M @ \$1,700 gold; \$7,229M @ \$2,000 gold; and \$11,199M @ \$2,500 gold. The project requires a gold price of approximately \$930 per ounce to break even on an undiscounted cash flow basis and a gold price of approximately \$1,180 per ounce to break even on a 5% discounted basis.

SLIDE 17 – 2023 Second quarter operating performance

1. Includes interest income, interest expense, accretion income, mark-to-market adjustment of marketable securities, foreign exchange gains and losses, and income taxes.

SLIDE 18 – 2023 Second quarter cash flow

1. Excludes non-cash share-based compensation expense of \$2.1 million and \$2.1 million in the second quarter of 2023 and 2022, respectively. [Year-to-date \$4.3 million and \$4.2 million]

SLIDE 19 – Stewarding a robust treasury

1. NOVAGOLD sold its 50% ownership of the Galore Creek project to Newmont in 2018. Deferred compensation on the sale of Galore Creek includes \$25 million on earlier of Feasibility Study or July 27, 2023. An additional \$75 million is contingent upon construction approval.
2. This presentation may also contain future-oriented financial information ("FOFI") and information which could be considered to be a "financial outlook". Such FOFI or financial outlook was approved by NOVAGOLD's management as of the date of this presentation for the purpose of providing management's reasonable estimate based on the assumptions set forth in such estimates and the information may not be appropriate for other purposes. Management cautions that such FOFI or financial outlook reflects NOVAGOLD's current beliefs and are based on information currently available to NOVAGOLD and on assumptions NOVAGOLD believes are reasonable. Actual results and developments may differ materially from results and developments discussed in the FOFI or financial outlook as they are subject to a number of significant risks and uncertainties. Certain of these risks and uncertainties are beyond the NOVAGOLD's control. Consequently, all of the FOFI or financial outlook are qualified by these cautionary statements.

SLIDE 21 – Strong institutional shareholder and management support

1. Shareholder positions are based on the latest 13-D, 13-F or 13-G filings as of March 31, 2023.
2. Per SEC Form 4 filings as of June 8, 2023 for NOVAGOLD's CEO and CFO under the NOVAGOLD Resources Inc. profile at <https://www.sec.gov/edgar/search/> and <https://www.novagold.com/investors/financials/>.
3. Market Capitalization based on 334.1 million shares issued and outstanding as of June 20, 2023. NOVAGOLD share price of \$4.57 as of June 27, 2023.
4. Common shares issued and outstanding, options, PSUs, and DSUs effective June 20, 2023. See SEC Form 10-Q filing dated June 27, 2023 for additional information.

SLIDES 23 & 24- Mineral reserves and Mineral resources

1. Mineral Reserves are reported within the pre-feasibility pit designs, and supported by a mine schedule, featuring variable throughput rates, stockpiling and cut-off optimization. The pit designs are contained within an optimized pit shell based on the following economic and technical parameters: Metal price for gold of \$1,200/oz; reference mining cost of \$2.16/t incremented \$0.0033/t/m with depth from the 220 m elevation (equates to an average mining cost of \$2.64/t), fixed processing cost \$13.78/t processed; sustaining capital of \$1.54/t processed; general and administrative cost of \$3.66/t processed; stockpile rehandle costs of \$0.24/t processed assuming that 45% of mill feed is rehandled; variable metallurgical recoveries by rock type, ranging from 86.7% in shale to 94.2% in intrusive rocks in the Aktivik domain; refining and freight charges of \$1.21/oz gold; royalty considerations of 4.5% NSR and \$0.50/t processed; and variable pit slope angles, ranging from 23° to 43°. Mineral Reserves are reported using an optimized block value (BV) based on the following equation: $BV = Au \text{ grade} * \text{Recovery} * \$1,200/\text{oz} - \text{royalties \& refining costs} - \text{process operating costs} - \text{G\&A cost reported in } \$/\text{t}$. Assuming an average gold recovery of 89.5% the marginal gold cut-off grade would be approximately 0.57 g/t, or the gold grade that would equate to a \$0.001 BV cut-off at these same values. The life-of-mine (LOM) strip ratio is 5.48:1. The assumed LOM throughput rate is 53,500 t/d.
2. Except as noted, Mineral Resources are inclusive of Mineral Reserves. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. Inferred Resources are in addition to Measured and Indicated Resources. Inferred Resources have great uncertainty as to their existence and whether they can be mined legally or economically. The cut-off date for the sample database used in the Mineral Resource estimate is 1 November 2009. However, more recent drilling data were used to validate the resource model as remaining current. Mineral Resources are constrained within a conceptual Measured, Indicated and Inferred optimized pit shell using the following assumptions: gold price of \$1,200/oz; variable process cost based on $2.1874 * (\text{sulphur grade}) + 10.6485$; administration cost of \$2.29/t; refining, freight & marketing (selling costs) of \$1.85/oz recovered; stockpile rehandle costs of \$0.20/t processed assuming that 45% of mill feed is rehandled; variable royalty rate, based on royalty of 4.5% * (Au price – selling cost); and a variable metallurgical recovery depending on the host rock type ranging from 86 to 94%. Assuming an average recovery of 89.5% and average S% grade of 1.07, the marginal gold cut-off grade is 0.47 g/t. These technical and economic parameters are those that were used in the Donlin Creek Gold Project Alaska, USA, NI 43-101 Technical Report on Second Updated Feasibility Study, effective November 18, 2011 (as amended January 20, 2012) to establish reasonable prospects of eventual economic extraction. Based on the QP's review of the estimate, there would be no material change to the Mineral Resources if the gold price were updated to \$1,500/oz and other economic parameters were updated to the 2020 parameters used in the Mineral Reserve estimate. As a result, the Mineral Reserve and Mineral Resource estimates shown above remain unchanged from the 2011 estimates contained in the prior technical report. See "Cautionary Note Concerning Reserve & Resource Estimates" on slide 3.

Technical Reports and Qualified Persons

The documents referenced below provide supporting technical information for the Donlin Gold project.

Project	Qualified Person(s)	Most Recent Disclosure
Donlin Gold	Kirk Hanson, MBA, P.E. Michael Woloschuk, P.Eng. Henry Kim, P.Geo. Wood Canada Limited	"NI 43-101 Technical Report on the Donlin Gold Project, Alaska, USA" prepared by Wood Canada Limited, effective June 1, 2021. "S-K 1300 Technical Report Summary on the Donlin Gold project, Alaska USA" dated November 30, 2021.

Paul Chilson, P.E., who is the Manager, Mine Engineering for NOVAGOLD and a "qualified person" under NI 43-101 and S-K 1300, has approved the scientific and technical information contained in this presentation.

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