

# Advancing Donlin Gold up the Value Chain

## Precious Metals Summit, Beaver Creek, CO

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TSX, NYSE American: NG | [novagold.com](http://novagold.com) | September 16, 2020

**NOVAGOLD**

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## 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; anticipated mine life; perceived merit of properties; anticipated permitting timeframes; 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; whether the final \$75 million promissory note from the sale of Galore Creek will mature and be payable; potential shareholder returns; the timing and outcome of ADNR’s decision to reconsider the ROW lease for the natural gas pipeline and other risks; 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 outbreak of 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 outcome of litigation filed by NOVAGOLD against JCAP; the timing and outcome of ADNR’s decision to reconsider the ROW lease for the natural gas pipeline and other risks and uncertainties disclosed in NOVAGOLD’s annual report filed on Form 10-K for the year-ended November 30, 2019, 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](http://www.novagold.com) or the SEC’s website at [www.sec.gov](http://www.sec.gov) or at [www.sedar.com](http://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.

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”. United States investors are advised that, while such terms are recognized and required by Canadian securities laws, the SEC Industry Guide 7 (“Industry Guide 7”) does not recognize them. Under Industry Guide 7, mineralization may not be classified as a “reserve” unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. Mineral resources that are not mineral reserves do not have demonstrated economic viability. United States investors are cautioned that they 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. Disclosure of “contained ounces” is permitted disclosure under Canadian regulations, however, Industry Guide 7 normally only permits issuers to report “resources” as in place tonnage and grade without reference to unit measures. Accordingly, information concerning descriptions of mineralization and mineral resources contained in this presentation may not be comparable to information made public by United States companies subject to Industry Guide 7 reporting and disclosure requirements. The Company has no reserves, as that term is defined under Industry Guide 7.

On October 31, 2018, the SEC adopted a final rule (“New Final Rule”) that will replace Industry Guide 7 with new disclosure requirements that are more closely aligned with current industry and global regulatory practices and standards, including NI 43-101. Companies must comply with the New Final Rule for the first fiscal year beginning on or after January 1, 2021, which for NOVAGOLD would be the fiscal year beginning December 1, 2021. While early voluntary compliance with the New Final Rule is permitted, NOVAGOLD has not elected to comply with the New Final Rule at this time.

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.

### 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	Gordon Seibel R.M. SME Kirk Hanson P.E.	“Donlin Creek Gold Project Alaska, USA, NI 43-101 Technical Report on Second Updated Feasibility Study” prepared by AMEC, effective November 18, 2011, amended January 20, 2012 (the “Second Updated Feasibility Study” or “FSU2”).

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

# ► NOVAGOLD: Donlin Gold A Tier-One Asset in a Tier-One Jurisdiction

## Unique asset with strong, investor-friendly attributes

**SIZE:** 19,500,000 attributable gold ounces contained in measured and indicated mineral resources<sup>1</sup>

**GRADE:** 2.24 g/t<sup>2</sup>, more than double the world average grade<sup>3</sup>

**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

**JURISDICTION:** Alaska is a premier mining jurisdiction<sup>4</sup> with respect for socially and environmentally responsible mine development

**PARTNERS:** Time-tested partnerships with Native Corporations and Barrick Gold, 50% JV owner

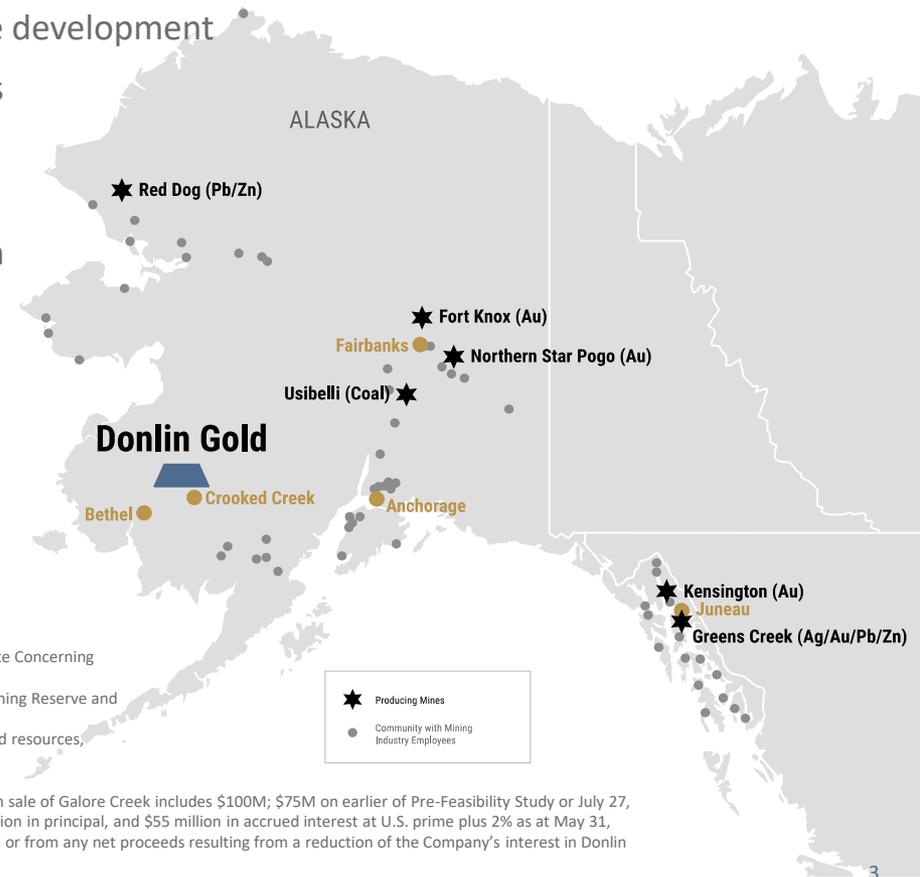
**LEVERAGE:** Excellent leverage to rising gold price

**BALANCE SHEET:** Solid cash position of more than \$200 million (including receivables) and no short-term debt<sup>5</sup>

**PERMITS:** Key federal and state permits in place

**MANAGEMENT & BOARD:** Successful track record of building and operating mines

**SHAREHOLDERS:** Strong time-tested support from premier institutional investors



1. Represents NOVAGOLD’s 50% share of measured and indicated mineral resources, inclusive of mineral reserves. See “Cautionary Note Concerning Reserve and Resource Estimates” and “Mineral Reserves & Mineral Resources” table on slides 2 and 37.

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” table on slides 2 and 37.

3. 2019 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.

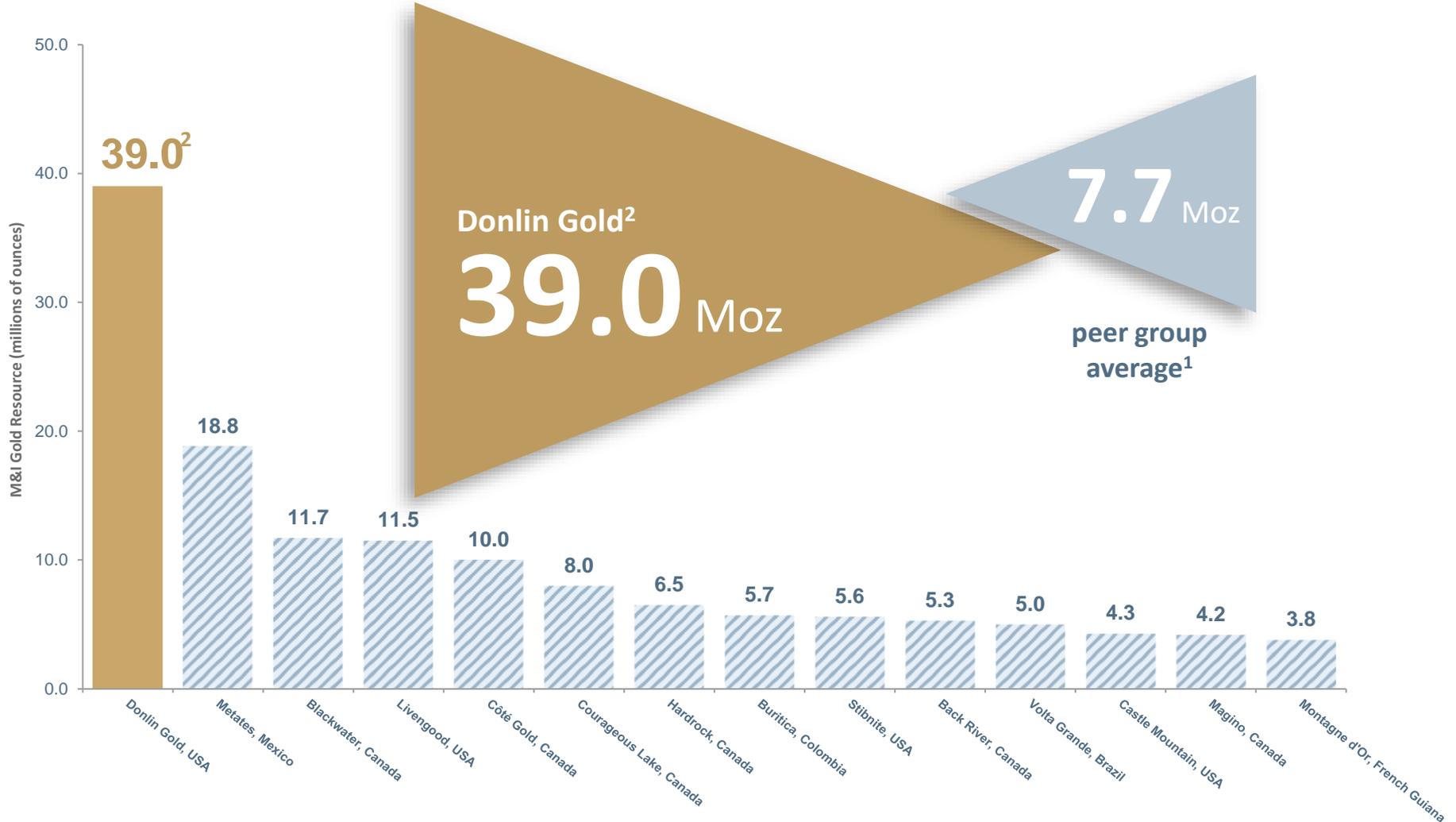
4. Fraser Institute Annual Survey of Mining Companies 2019, Investment Attractiveness Index.

5. Including proceeds receivables from the sale of Galore Creek project formerly 50%-owned by NOVAGOLD. Deferred compensation on sale of Galore Creek includes \$100M; \$75M on earlier of Pre-Feasibility Study or July 27, 2021 and \$25M on earlier of Feasibility Study or July 27, 2023. Promissory note payable to Barrick of \$107 million comprised of \$52 million in principal, and \$55 million in accrued interest at U.S. prime plus 2% as at May 31, 2020. The promissory note and accrued interest are payable from 85% of the Company’s share of revenue from future mine production or from any net proceeds resulting from a reduction of the Company’s interest in Donlin Gold LLC.

Map Source: Alaska Miners Association, “The Economic Benefits of Alaska’s Mining Industry” February 2020.

# ▶ DONLIN GOLD: Largest Gold Development Project in its Category<sup>1</sup>

A resource more than five times the size of the peer group average



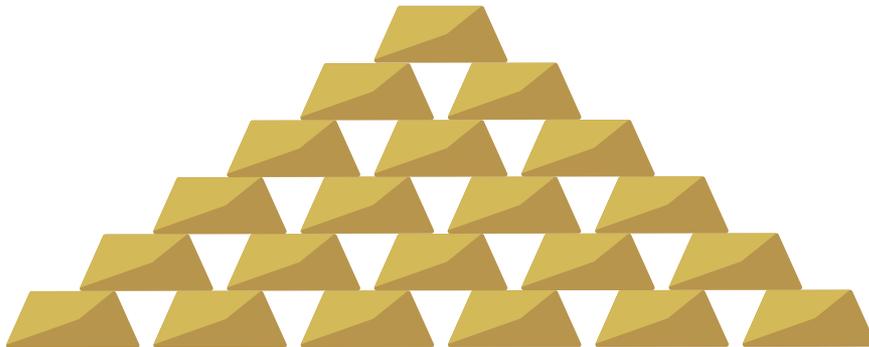
1) Peer group data based on company documents, public filings and websites as of September 10, 2020. Comparison group of 13 projects based on large (2Moz P&P cut off), North/South American gold-focused development projects with >75% projected revenues from gold.

2) Represents 100% of measured and indicated mineral resources, inclusive of mineral reserves, of which NOVAGOLD's share is 50%. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.

# ► DONLIN GOLD: Double the Industry Average Grade<sup>1</sup>

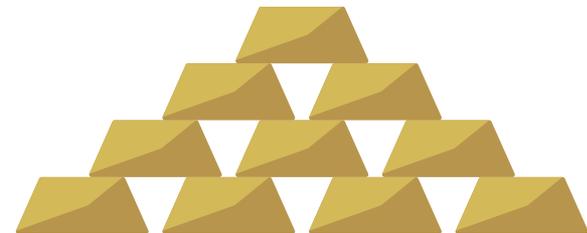
Among the world's highest-grade known open-pit gold deposits

2.24<sub>g/t</sub>



Donlin Gold average grade<sup>2</sup>

1.05<sub>g/t</sub>



World average grade<sup>1</sup>

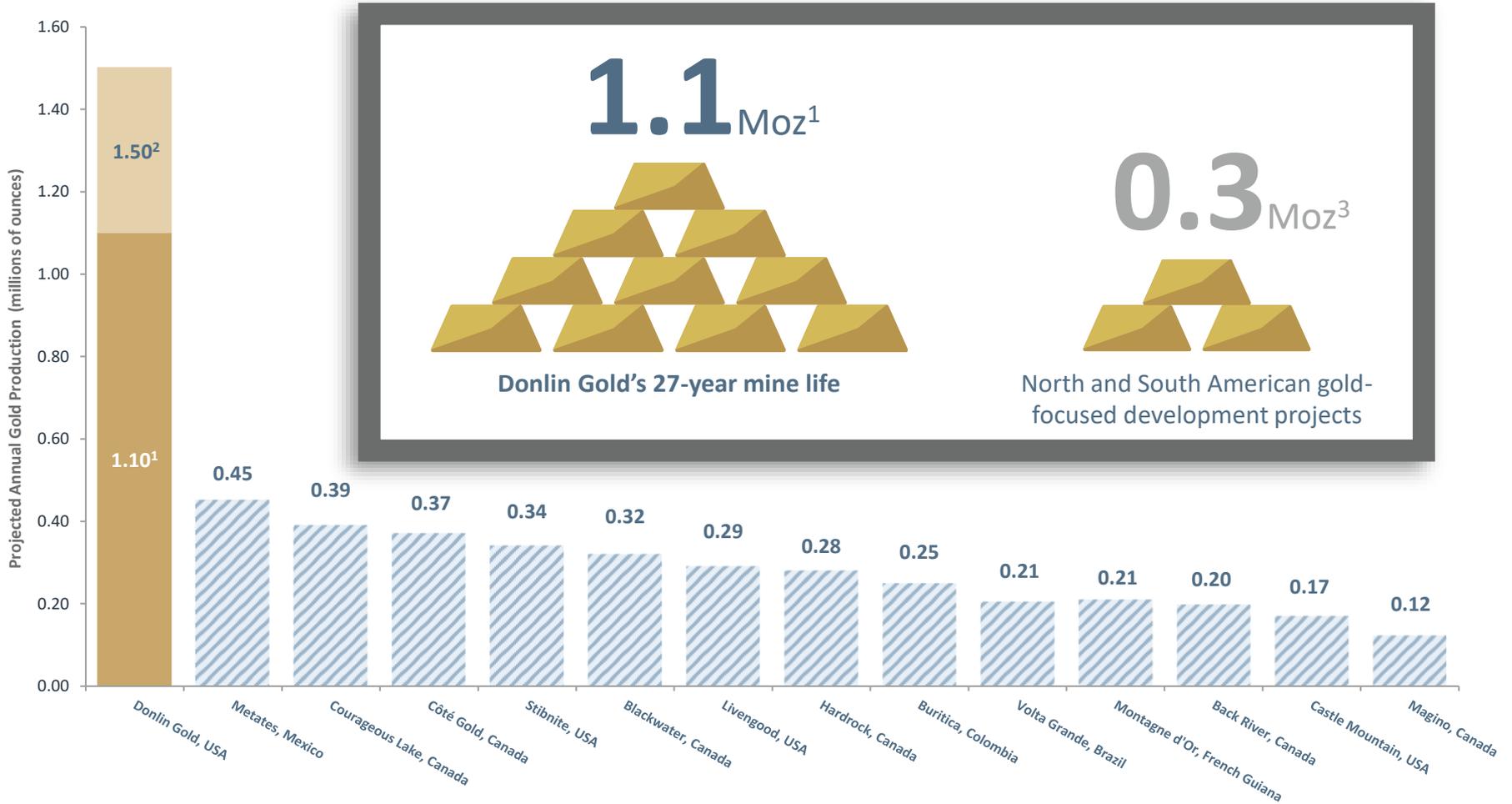
While industry average grades are declining, Donlin Gold's grade provides resilience through commodity price cycles

1) 2019 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.

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" table on slides 2 and 37.

# ► DONLIN GOLD: Positioned to be One of the World's Largest Gold Mines

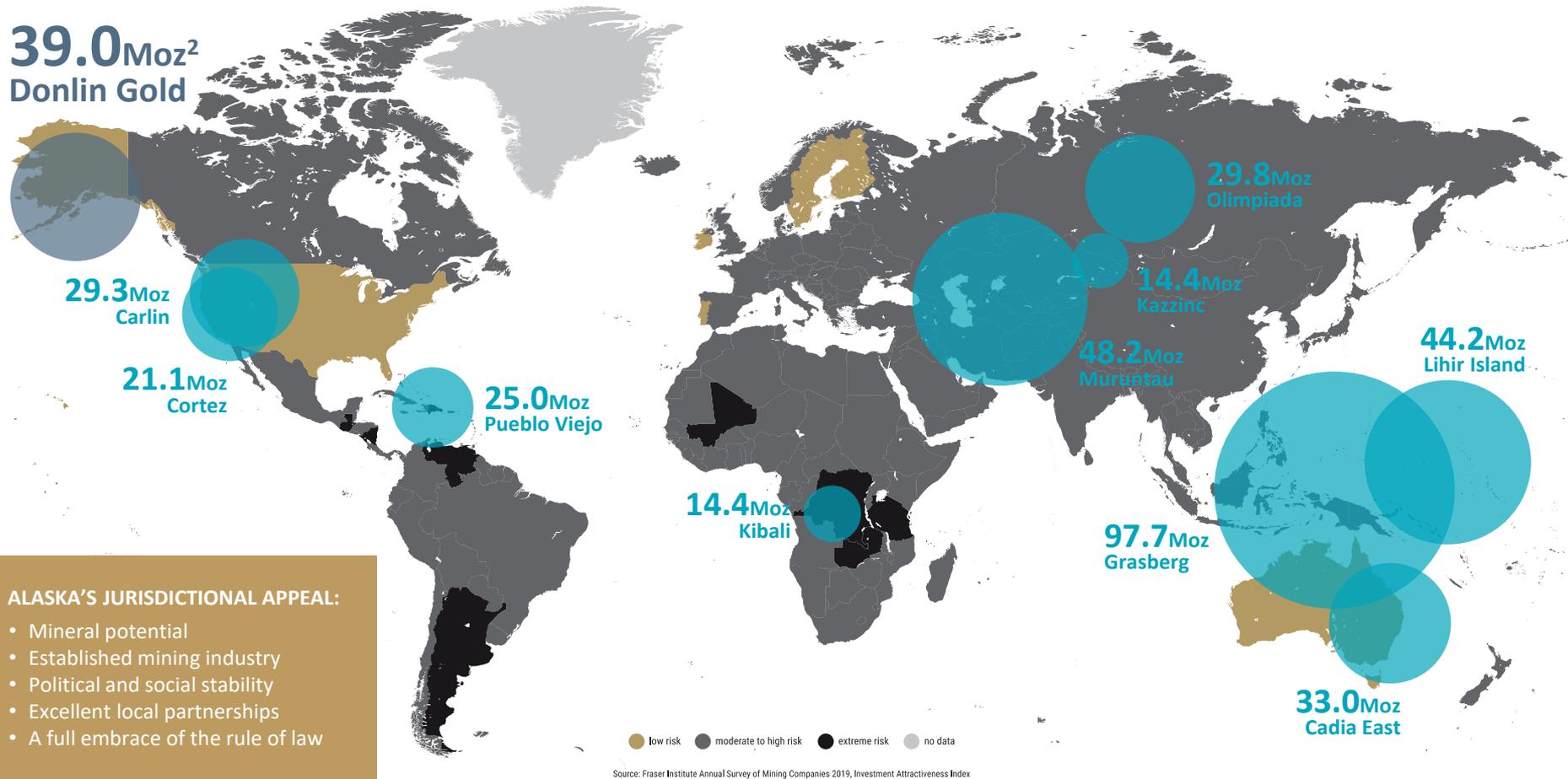
## Positioned to become a million-ounce gold producer<sup>1</sup>



1) Anticipated annual gold production during full life of mine if put into production as contemplated in the Second Updated Feasibility Study. See "Cautionary note concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.  
 2) Anticipated annual gold production during first five full years of mine life if put into production as contemplated in the Second Updated Feasibility Study. See "Cautionary note concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.  
 3) Average of comparison group data of 13 projects based on large (2Moz P&P 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 September 2020.

# ► DONLIN GOLD: One of the Few Large Gold Projects in a Safe Jurisdiction

Top 10 gold producing operations comparison<sup>1</sup> just three operations produced >1Moz in 2019 globally



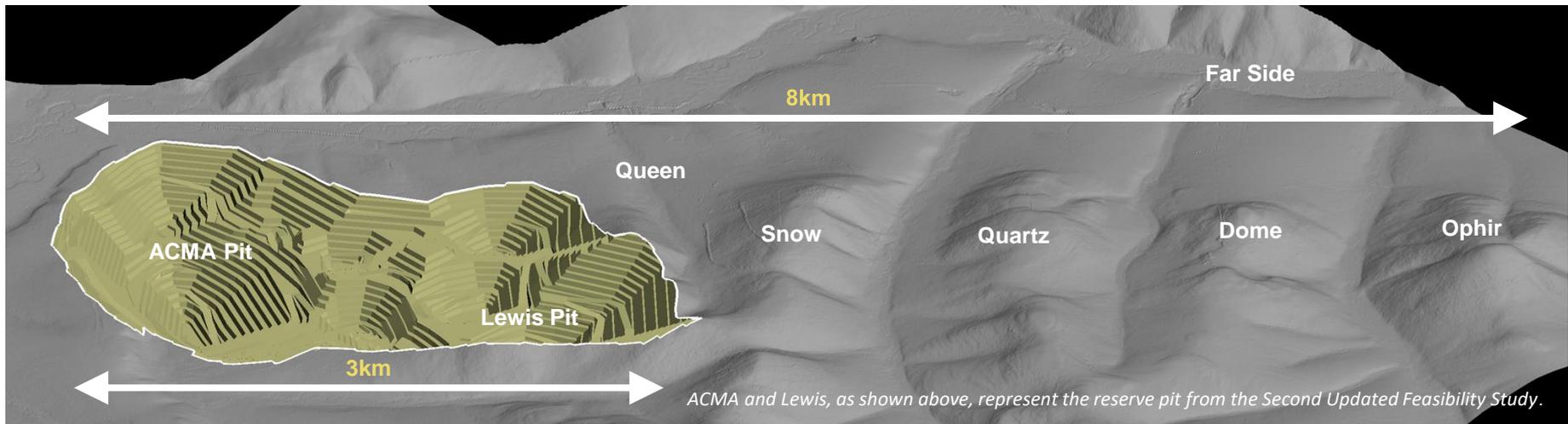
1) Estimates provided by S&P Global Intelligence. Slide shows the latest reported measured & indicated resources (inclusive of reserves) of the top 10 gold producing operations from 2019 as per SNL Metals & Mining, an offering of S&P Global Market Intelligence. The three mining operations that produced greater than 1 million ounces in 2019 are Muruntau (2,829koz), Olimpiada (1,386koz), and Carlin (1,315koz).

2) Represents 100% of measured and indicated mineral resources, inclusive of mineral reserves, of which NOVAGOLD's share is 50%. Donlin Gold is not in production and a construction decision has not been made at this time. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.

# ► DONLIN GOLD: The Next Big Gold Discovery Could be at Donlin Gold

## Substantial exploration potential along the 8 km-long mineralized trend, located on less than 5% of Donlin Gold's land position

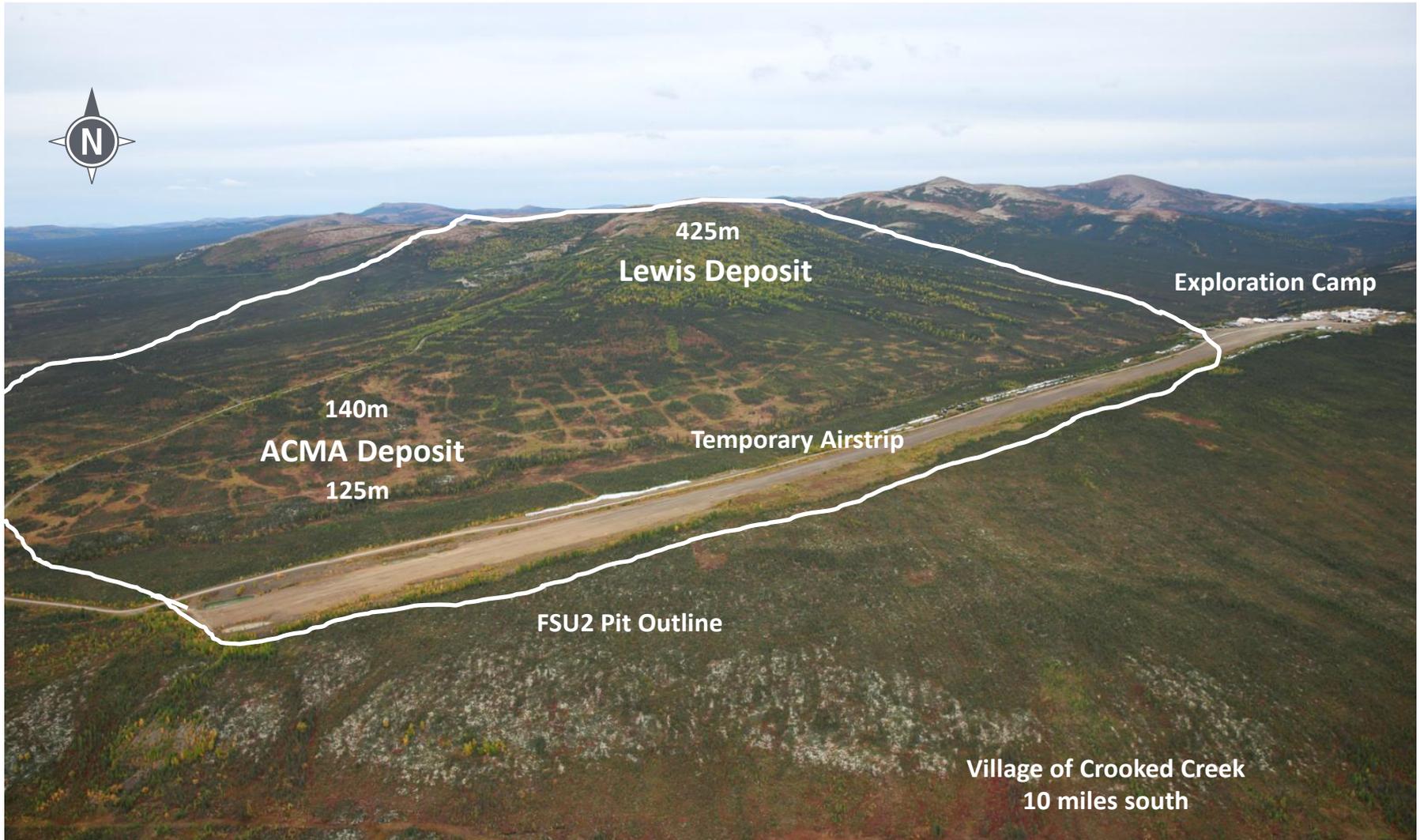
- From 2006 to 2011, M&I resources increased 135% (16.6Moz<sup>1</sup> to 39.0Moz<sup>2</sup>) through a well-executed exploration program, resulting in a gold resource defined with approximately 1,400 drill holes totaling more than 339,000 meters to date
- Reserves and resources are contained in the ACMA and Lewis pits occupying only three kilometers of an eight-kilometer mineralized belt, which itself is located on less than 5% of Donlin Gold's land position
- Inferred mineral resource: 6Moz of gold (92M tonnes grading 2.02 g/t Au) mainly inside the reserve pit<sup>3</sup>
- Future exploration potential exists to expand current resource along strike and at depth



- 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. This estimate has been superseded by the estimate contained in the Second Updated Feasibility Study effective November 18, 2011 and amended January 20, 2012. For current mineral reserves and resources, refer to "Cautionary Note Concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.
- 2) Represents 100% of measured and indicated mineral resources, inclusive of mineral reserves, of which NOVAGOLD's share is 50%. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.
- 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" table on slides 2 and 37. Inferred resources have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically.

► **DONLIN GOLD: Private Land Designated for Mining**

Topography amenable to site development with year-round operations



## ► DONLIN GOLD: Long-Term Native Corporation Partners

### The Donlin Gold project location was specifically selected for its resource development potential

- The Alaska Native Claims Settlement Act<sup>1</sup> (ANCSA) of 1971 resolved Alaska Native land claims, allotting 44 million acres for land use to Native Corporations
  - **Benefits include revenue sharing under ANCSA Sections 7(i) and 7(j) distributions dividing the revenues earned from resource extraction between regional and village Native Corporations**
  - Other benefits include shareholder employment opportunities, scholarships, and preferential contract considerations
- **Land valuable for resource potential was selected by regional Corporations under ANCSA and resource development companies were invited by the Native Corporations to explore the land**
- **Donlin Gold has Life-of-Mine agreements with Calista and TKC**
  - Calista Corporation – owns the subsurface mineral rights for the Donlin Gold project
  - The Kuskokwim Corporation – a merger of 10 village corporations, owns surface land for the Donlin Gold project



1) Alaska Native Claims Settlement Act, 43 U.S.C. 1601 et seq.

## Moving the Donlin Gold project up the value chain together

- Barrick CEO Mark Bristow said during Barrick's second-quarter webcast August 10: Donlin Gold is "a key project for Barrick" and "Donlin is a nice, clean gold opportunity. At these gold prices, it's a very valuable asset. We're still adding value to it."
- About early drill assays, Bristow said, they "underscore Donlin Gold's significant potential as well as extraordinary optionality to the gold price over multiple cycles and in a mining friendly jurisdiction".

### Barrick Gold Corp.:

- Second-largest gold producer in the world with 2019 pro forma 5.5Mozs gold production<sup>1</sup>
- All-In Sustaining Costs less than \$900 per ounce in 2019<sup>1</sup>
- Equity stake in 18 operating mines around the world
- 170Mozs in Measured & Indicated gold resources<sup>1</sup>
- Market Cap: \$54.2 Billion<sup>2</sup>



**Barrick Gold, on the Donlin Gold project<sup>3</sup>:**

## Donlin Gold

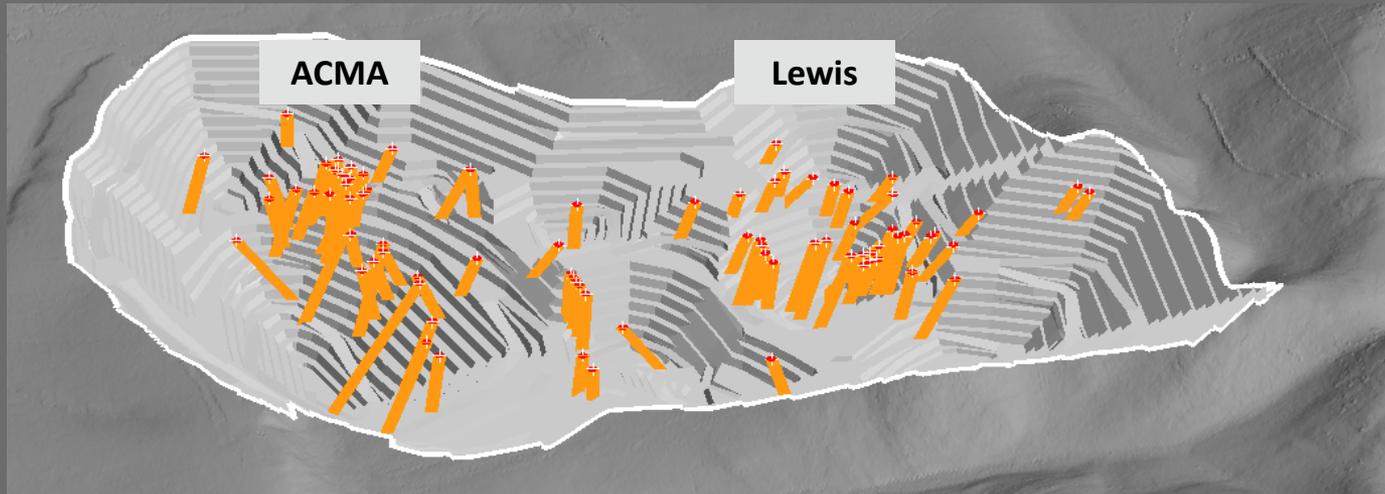
The project represents one of the world's largest undeveloped gold deposits, at an advanced stage of permitting in a stable jurisdiction, underscoring its unique potential.

1. Barrick Gold Corp. 2019 Annual Report, May 5, 2020: <https://barrick.q4cdn.com/788666289/files/annual-report/Barrick-Annual-Report-2019.pdf>.

2. Market Capitalization based on Barrick Gold common shares issued & outstanding, as at June 30, 2020, of 1,778,068,000, and Barrick Gold closing share price of \$30.11 on September 10, 2020.

3. Reference: Barrick Gold Exploration & Projects: <https://www.barrick.com/English/operations/exploration-and-projects/default.aspx>.

Largest drill program in 12 years re-mobilized in May after pausing for COVID-19 precautions

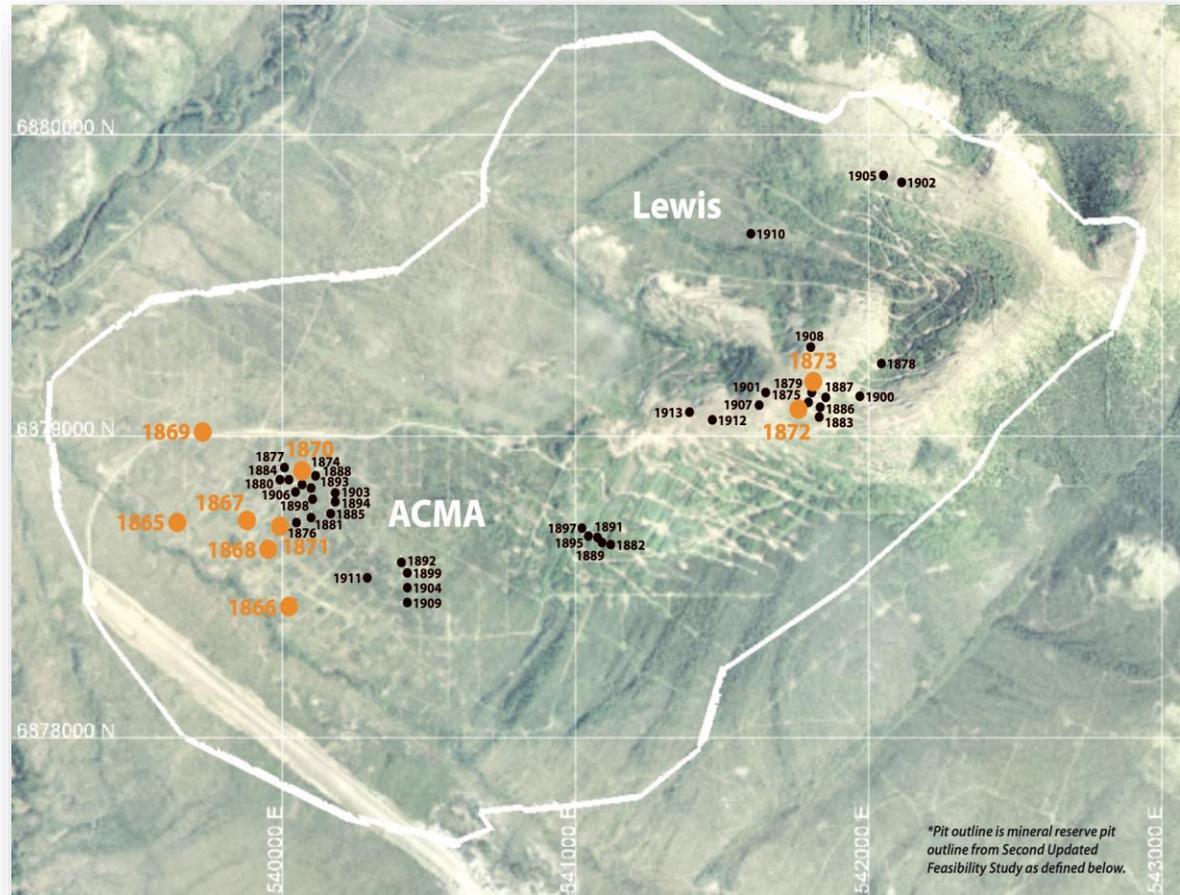


- Four drill rigs are currently turning at the project site, following a pause in work due to COVID-19 in April and May, with a focus on areas of planned early-life mining within ACMA and Lewis areas that have the potential to add value
- Validating recent geologic and resource modeling concepts and testing for extensions of high-grade zones in both intrusive (igneous) and sedimentary rocks
- Assuming no further interruptions, it is anticipated that the 2020 drill program, which consists of approximately 80 holes totaling about 22,000 meters centered on the ACMA and Lewis resource areas, will be completed by year-end
- Results from the drill program will be used by the owners to make a decision on the next steps

# ► DONLIN GOLD: 2020 Drill Program Showing Encouraging Results

## 2020 drill program<sup>1</sup> – further advancing the unique value proposition that Donlin Gold represents

- Mineralized intercepts continue to encounter grades higher than predicted by previous modeling
- Drilling is substantially complete as of September, with assays reported from approximately 10% of the planned drilling
- 82 core holes have been drilled or are in progress (approximately 22,000 meters), as of September 10, 2020
- Assays reported from 2,246 meters of drilling
- Significant distinct high-grade intervals were intercepted in multiple areas, including good intervals near surface



Drill hole locations map includes holes drilled as of early August in black and reported assays in orange<sup>1</sup>.

1. See media release dated August 6, 2020, "Donlin Gold Project Provides Update on Recent Drilling and Ongoing Community Support in Alaska Amid COVID-19 Pandemic".

## ▶ DONLIN GOLD: Initial 2020 Drill Assays Exceed Modeled Expectations

Significant distinct high-grade intervals intercepted in multiple areas, including intervals near surface

### Five of the Top Assay Intervals<sup>1</sup>

Hole	From (Meters)	To (Meters)	Length (Meters)	Au Grade (g/t)
DC20-1871	30.35	72.26	41.91	11.61
DC20-1866	35.39	81.30	45.91	5.03
DC20-1866	108.30	131.66	23.36	4.15
DC20-1866	226.53	256.81	30.28	4.20
DC20-1873	60.88	68.54	7.66	18.40

1) These represent some of the most significant assay intervals from the 2020 Donlin Gold drill program to date. Refer to the media release dated August 6, 2020 titled “DONLIN GOLD PROJECT PROVIDES UPDATE ON RECENT DRILLING AND ONGOING COMMUNITY SUPPORT IN ALASKA AMID COVID-19 PANDEMIC,” for remaining significant intervals and additional information.

# ▶ DONLIN GOLD: Progressing Permitting in an Efficient and Cost-Effective Manner

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

<b>Federal Permitting – <i>completed</i></b>	
✓	Final Environmental Impact Statement (EIS)
✓	Joint Record of Decision (ROD) by the Corps and Bureau of Land Management
✓	Section 10/404 (wetlands) permit and BLM Offer to Lease for pipeline
✓	Pipeline and Hazardous Materials Safety Administration special permit
<b>State Permitting</b>	
✓	State air quality permit and Alaska State Pollution Discharge Elimination System permit
✓	Title 16 fish habitat permits
✓	Reclamation Plan approval
✓	Waste management permit
✓	State land leases, easements, and land use permits issued (non-pipeline) – <i>issued January 2, 2020</i>

# ► DONLIN GOLD: Multi-Generational Sustainable Economic Opportunity

The development lifecycle of one of the world's largest open-pit mining projects

The average time from discovery to production for a typical large gold mine project now exceeds 15 years<sup>1</sup>



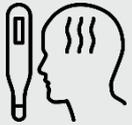
1. SP Global Market Intelligence research article "Top mines average time from discovery to production: 16.9 years," April, 7, 2020.

2. Donlin Gold data as per the second updated feasibility study. Projected average annual production represents 100% of which NOVAGOLD's share is 50%.



## Coordinating a response to COVID-19 in a safe, efficient, and responsible manner

### Highlights of NOVAGOLD's Response at Offices and Donlin Gold Project Site



Requesting all employees to monitor their health and consult health professionals if feeling any symptoms of illness



Requiring all employees to take a COVID-19 test before coming into the camp, and again when they leave. Out-of-state contractors/employees require two negative COVID-19 tests prior to going to camp. Employees are screened for symptoms, use charter flights to travel to and from the site, and maintain at least 6 feet of distance in eating areas and living quarters. Should any individual exhibit any symptoms of illness, they will be evaluated and if needed, be quarantined and evacuated



Implementing more frequent sanitization practices



Regularly conducting safety meetings designed to address sound hygiene and sanitization practices



Office employees asked to work from home, avoid all non-essential travel, adhere to good hygiene practices, and, if they must visit the office, engage in social distancing

**Committed to providing an environment in which all of our people make it home safe each and every day.**

### Continued active external affairs and community engagement during pandemic

#### Providing a helping hand during COVID-19 and deepening partnerships:

- Partnering with The Kuskokwim Corporation and tribal councils:
  - Delivered food to every home in eight middle Kuskokwim villages
  - Donated thousands of pounds of food to shelters when Donlin Gold project camp temporarily closed
  - Collaborated with Aniak, a regional hub, to distribute food and supplies to residents homebound due to health issues and quarantine requirements
  - Assembled and shipped 1,400 face mask making kits to 56 Yukon-Kuskokwim villages
- Donlin Gold continues to coordinate the delivery of food and supplies to communities now without regular air carrier service after the regional airline went into bankruptcy



*Delivering food to Red Devil, AK, April 2020*

## ► DONLIN GOLD: Chosen By Its Owners For Resource Development

► NOVAGOLD

Strong and collaborative partners of the Donlin Gold project



- Donlin Gold, in partnership with the Association of Village Council Presidents and Orutsarmiut Native Council, sponsored the Backhaul Project to remove hazardous waste from 10 villages in September
- In addition, large appliances were removed from the villages of Sleetmute and Red Devil
- Volunteers received instruction about proper handling and packaging techniques
- Collected materials for river communities will be barged out and Ryan Air and Grant Air are flying materials from coastal villages to proper disposal facilities



**Shared Values.  
Shared Ownership.**

## WE RISE TOGETHER

Calista Corporation and The Kuskokwim Corporation Shareholders can say, "We're all partners of the Donlin Gold project. Elders chose the land and we invited Donlin Gold to develop our mineral resources for the benefit of our Shareholders. Through this partnership, we can provide opportunities for our children, their children and Alaska Native people across our state."



**DONLIN GOLD**  
**THE KUSKOKWIM CORPORATION**  
натчаа а парк аа а баааа баааа  
**CALISTA CORPORATION**  
[www.calistacorp.com](http://www.calistacorp.com)

## Track record of successfully translating company goals into shareholder value

### **Culture of mutual respect between NOVAGOLD, Donlin Gold and people in remote villages and throughout Alaska**

- Well established partnership with Native Corporations
  - Employment, scholarships, workforce development and environmental programs in the region
  - Resource development for future benefit of all stakeholders

### **Advancement of Donlin Gold**

- 2011 Second Updated Feasibility Study
- 2012 commencement of permitting
- 2017 targeted drill campaign
- 2018 receipt of Record of Decision and major federal permits
- 2019-2020 receipt of key State permits

### **Aligned on project strategy with Barrick Gold, NOVAGOLD's equal partner in Donlin Gold**

- 14-year history of building value with an unwavering focus on stakeholder wealth creation; technical excellence; environmental stewardship; and social responsibility
- Constructive and positive relationship with Barrick, respect for Barrick's corporate objectives, including renewed focus on geology

### **Successful strategic focus on becoming a pure gold play**

- Spin-out of 100%-owned Ambler project in 2012 to form NovaCopper (now Trilogy Metals)<sup>1</sup>, now with market capitalization of greater than C\$360M<sup>2</sup>
- Enhanced value of Galore Creek with 2011 pre-Feasibility Study and successful monetization of the asset in 2018 with sale of NOVAGOLD's 50%-interest to Newmont Corp. for up to \$275M

1) As per the press release titled "NovaGold Shareholders Overwhelmingly Approve the NovaCopper Spin-Out", dated March 29, 2012.

2) As of September 11, 2020.

A healthy treasury to advance Donlin Gold to the next stage of development

TREASURY

**\$134<sub>M</sub>**

cash and term deposit  
balance on May 31, 2020

PLANNED SPENDING

**\$31<sub>M</sub>**

anticipated 2020 expenditures  
disclosed on January 22, 2020<sup>2</sup>

GALORE CREEK PROCEEDS <sup>1</sup>

**\$75<sub>M</sub>**

in 2021

**\$25<sub>M</sub>**

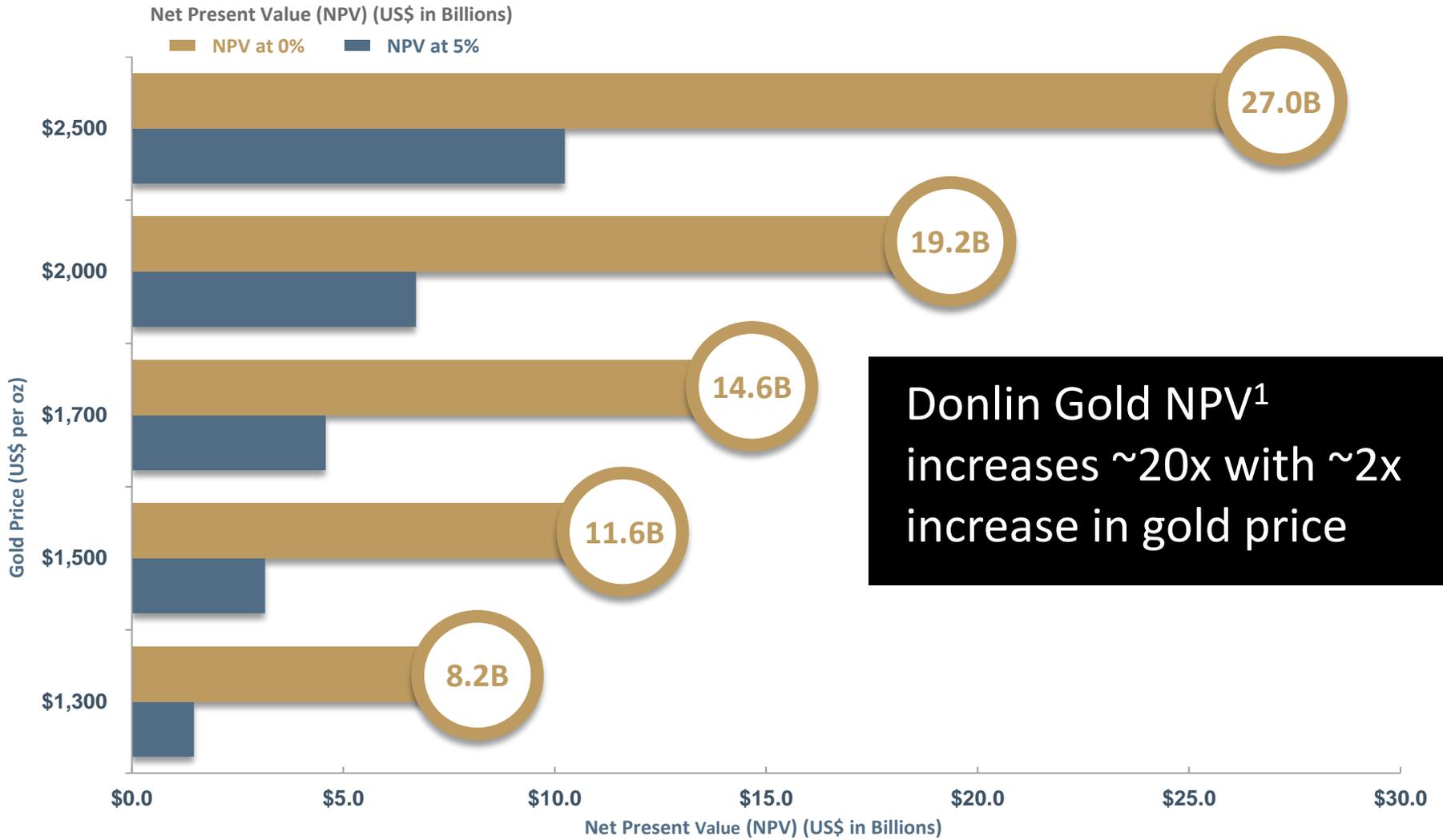
in 2023

**\$75<sub>M</sub>**

upon construction approval

1) Formerly 50%-owned by NOVAGOLD. Deferred compensation on sale of Galore Creek includes \$100M; \$75M on earlier of Pre-Feasibility Study or July 27, 2021 and \$25M on earlier of Feasibility Study or July 27, 2023.  
2) Budget includes \$20M to Donlin Gold and \$11M G&A.

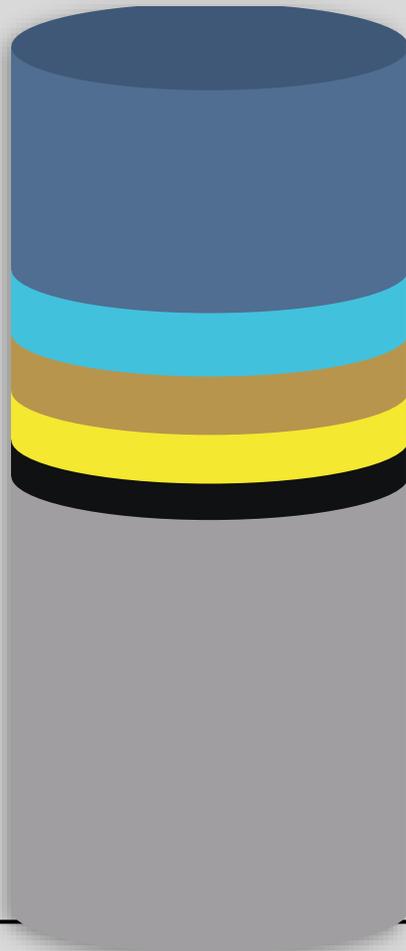
# ▶ DONLIN GOLD: Leverage Where it Counts...and That You Can Keep



1) Donlin Gold estimates as per the Second Updated Feasibility Study. 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 feasibility study reference date of 1/1/2014 (start of Year -05) as the first year of discounting. Estimated project development costs of approximately \$172M to be spent prior to the reference date are treated as sunk costs. At a 5% discount rate, the net present value is: \$1,465M @ \$1,300 gold; \$3,147M @ \$1,500 gold; \$4,581M @ \$1,700 gold; \$6,722M @ \$2,000 gold; and \$10,243M @ \$2,500 gold. The project requires a gold price of approximately \$902 per ounce to break even on a cash flow basis.

# ▶ NOVAGOLD: Strong Institutional Shareholder and Management Support

- The five largest shareholders represent 49% of shares issued and outstanding<sup>1</sup>
- Named Executive Officers share ownership has increased to 2,460,696<sup>2</sup> since joining the Company



◀ **25.7%** Electrum Strategic Resources LP & affiliates

◀ **7.5%** Fidelity Management & Research Company

◀ **6.7%** Paulson & Co. Inc.

◀ **6.2%** BlackRock Institutional Trust & affiliates

◀ **3.1%** Van Eck Associates Corporation

◀ **50.8%** Other

**\$3.8<sub>B</sub>**  
market cap<sup>3</sup>

1) Shareholder positions are based on the latest 13-D, 13-F or 13-G filings as of June 30, 2020.

2) SEC Form 4 filings effective September 1, 2020 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 329.6 million shares issued and outstanding and NOVAGOLD share price of \$11.41 as of September 10, 2020.

# ► NOVAGOLD: Donlin Gold A Tier-One Asset in a Tier-One Jurisdiction

## Why Invest? Unique asset with strong, investor-friendly attributes

**SIZE:** 19,500,000 attributable gold ounces contained in measured and indicated mineral resources<sup>1</sup>

**GRADE:** 2.24 g/t<sup>2</sup>, more than double the world average grade<sup>3</sup>

**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

**JURISDICTION:** Alaska is a premier mining jurisdiction<sup>4</sup> with respect for socially and environmentally responsible mine development

**PARTNERS:** Time-tested partnerships with Native Corporations and Barrick Gold, 50% JV owner

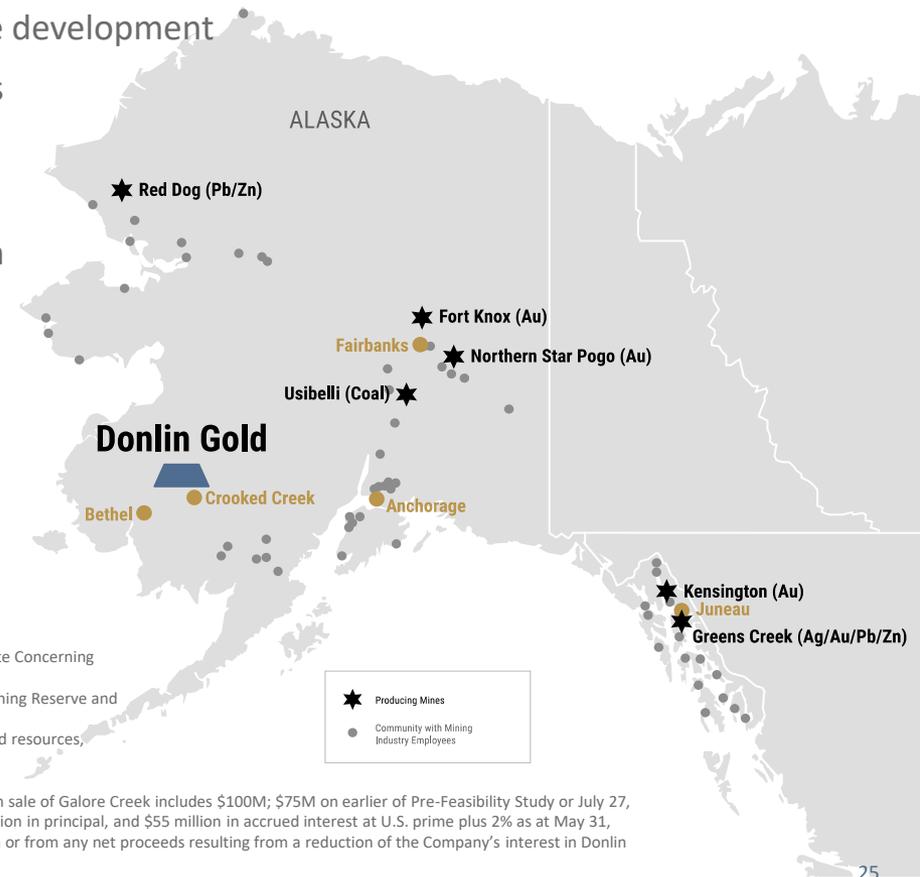
**LEVERAGE:** Excellent leverage to rising gold price

**BALANCE SHEET:** Solid cash position of more than \$200 million (including receivables) and no short-term debt<sup>5</sup>

**PERMITS:** Key federal and state permits in place

**MANAGEMENT & BOARD:** Successful track record of building and operating mines

**SHAREHOLDERS:** Strong time-tested support from premier institutional investors



1. Represents NOVAGOLD’s 50% share of measured and indicated mineral resources, inclusive of mineral reserves. See “Cautionary Note Concerning Reserve and Resource Estimates” and “Mineral Reserves & Mineral Resources” table on slides 2 and 37.

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” table on slides 2 and 37.

3. 2019 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.

4. Fraser Institute Annual Survey of Mining Companies 2019, Investment Attractiveness Index.

5. Including proceeds receivables from the sale of Galore Creek project formerly 50%-owned by NOVAGOLD. Deferred compensation on sale of Galore Creek includes \$100M; \$75M on earlier of Pre-Feasibility Study or July 27, 2021 and \$25M on earlier of Feasibility Study or July 27, 2023. Promissory note payable to Barrick of \$107 million comprised of \$52 million in principal, and \$55 million in accrued interest at U.S. prime plus 2% as at May 31, 2020. The promissory note and accrued interest are payable from 85% of the Company’s share of revenue from future mine production or from any net proceeds resulting from a reduction of the Company’s interest in Donlin Gold LLC.

Map Source: Alaska Miners Association, “The Economic Benefits of Alaska’s Mining Industry” February 2020.

# Appendix

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NOVAGOLD

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## Industry leaders to bring Donlin Gold through permitting & beyond

<p><b>Gregory Lang</b> President and CEO</p>	<ul style="list-style-type: none"> <li>• Former President of Barrick Gold North America</li> <li>• 35+ years experience building &amp; operating major open-pit and underground mines (Goldstrike, Cortez, Turquoise Ridge, Bald Mountain, Porgera)</li> <li>• In-depth knowledge of Donlin Gold</li> </ul>
<p><b>David Ottewell</b> VP and Chief Financial Officer</p>	<ul style="list-style-type: none"> <li>• Former VP and Corporate Controller of Newmont Mining Corporation</li> <li>• 25+ years of mining industry experience</li> <li>• Diverse experience in all facets of financial management, from mine operations to executive corporate financial management of premier gold producers</li> </ul>
<p><b>Mélanie Hennessey</b> VP, Corporate Communications</p>	<ul style="list-style-type: none"> <li>• Held a variety of executive and senior IR &amp; corporate communications positions with Goldcorp, New Gold, and Hecla Mining Company</li> <li>• Leading NOVAGOLD's internal and external communications functions</li> </ul>
<p><b>Ron Rimelman</b> VP, Environment, Health, Safety and Sustainability</p>	<ul style="list-style-type: none"> <li>• 25+ years of environmental experience, managing environmental impact assessments and permitting activities world-wide</li> <li>• Leadership role on mine permitting and NEPA evaluations for mine projects in Alaska since 1993</li> </ul>
<p><b>Richard Williams</b> VP, Engineering and Development</p>	<ul style="list-style-type: none"> <li>• Led the design and construction of the Pueblo Viejo project in the Dominican Republic</li> <li>• 30+ years of experience developing and operating major mines (Goldstrike and Mercur)</li> <li>• Highly knowledgeable and experienced leader in autoclave technology</li> <li>• Member of the American Institute of Mining, Metallurgical, and Petroleum Engineers; CIM</li> </ul>



# ▶ NOVAGOLD: A Board of Directors to Guide Donlin Gold Through Permitting



<b>Dr. Thomas Kaplan</b> Chairman	<ul style="list-style-type: none"><li>• Chairman and CEO of The Electrum Group LLC, a privately held natural resources investment management company that controls a diversified portfolio of precious and base metals assets</li></ul>
<b>Dr. Elaine Dorward-King</b>	<ul style="list-style-type: none"><li>• Former Executive Vice President of Sustainability and External Relations at Newmont Corporation</li><li>• Serves as a director of Sibanye-Stillwater, Kenmare Resources plc, Great Lakes Dredge and Dock Company, LLC, and Bond Resources Inc.</li></ul>
<b>Sharon Dowdall</b>	<ul style="list-style-type: none"><li>• Former Chief Legal Officer and Corporate Secretary with Franco-Nevada, transforming an industry pioneer into one of the most successful precious metals enterprises in the world</li><li>• Serves as director of Olivut Resources</li></ul>
<b>Dr. Diane Garrett</b>	<ul style="list-style-type: none"><li>• President, CEO and director of Hycroft Mining Holding Corporation</li><li>• Former President and CEO of Nickel Creek Platinum and Romarco Minerals; and former director of OceanaGold and Revival Gold</li></ul>
<b>Greg Lang</b> President and CEO	<ul style="list-style-type: none"><li>• Former President of Barrick Gold North America with intimate knowledge of Donlin Gold</li><li>• Serves as director of Trilogy Metals</li></ul>
<b>Igor Levental</b>	<ul style="list-style-type: none"><li>• President of The Electrum Group LLC</li><li>• Former VP of Homestake Mining and International Corona Corp.</li></ul>
<b>Kalidas Madhavpeddi</b>	<ul style="list-style-type: none"><li>• Former Chief Executive Officer of China Moly Corp and former Executive with Phelps Dodge</li><li>• Serves as director of Glencore plc and Trilogy Metals</li></ul>
<b>Clynton Nauman</b>	<ul style="list-style-type: none"><li>• CEO and director of Alexco Resources</li><li>• Formerly with Viceroy Gold and Kennecott Minerals</li></ul>
<b>Ethan Schutt</b>	<ul style="list-style-type: none"><li>• CEO of Alaska Native Resource Development LLC, an Alaska Native Tribal Health Consortium company (ANTHC); and Board Trustee of the Alaska Permanent Fund Corporation</li><li>• Former Chief of Staff to ANTHC and Senior Vice President, Land and Energy Development for Cook Inlet Region Inc. (CIRI)</li></ul>
<b>Anthony Walsh</b>	<ul style="list-style-type: none"><li>• Former President and Chief Executive Officer of Miramar Mining Corporation, sold to Newmont Mining Corporation in 2007</li><li>• Serves as director of Sabina Gold &amp; Silver Corporation and Dundee Precious Metals</li></ul>

## Strong and collaborative partners of the Donlin Gold project

### **Calista Mining Lease**

*Initial Term until April 30, 2031, continues thereafter year-to-year so long as mining or processing operations are carried out continually*

- Net Smelter Royalty from commercial production
- Net Proceeds Royalty
- Preference for contracts, hiring, and training
- Consultative approach regarding annual project planning
- Scholarship sponsorships for education and training

### **TKC Surface Use Agreement**

*Initial Term until April 30, 2031, continues thereafter year-to-year so long as mining or processing operations carried out continually*

- Net Proceeds Payments & Milled Tonnage Fee
- Direct compensation through payments for milestones, annual surface use, and mine operation
- Preference for contracts, hiring, and training (exclusive construction and operations contract for upriver port site)
- Consultative approach regarding annual project planning and protection of subsistence resources
- Scholarship sponsorships for education and training

# ▶ NOVAGOLD: Top Recent Investor Questions & Answers

Topic	Answer
Donlin Gold Feasibility	Donlin Gold was considered technically and economically feasible in the 2012 Feasibility Study (FSU2). With 39 million ounces of contained gold in measured and indicated mineral resources inclusive of 34 million ounces <sup>1</sup> of proven and probable mineral reserves, it has an exceptional endowment, top production capability, and a grade twice the industry average <sup>2</sup> .
Donlin Gold Capital Costs	Total initial capital for Donlin Gold in the FSU2 is \$6.7 billion <sup>3</sup> .
Pipeline Design and Cost	Pipeline design and costs for the FSU2 were completed by Anchorage-based CH2M Hill engineering, who have extensive Alaska oil and gas industry experience, including pipelines constructed through permafrost and arctic terrain.
River Barging	Barging is the primary mode of transportation for diesel and supplies in remote Alaska and, given the lack of roads and infrastructure, has always been envisioned to transport goods to the Donlin Gold project.
Management	Current NOVAGOLD management has been in place since 2012 when the Company was reorganized to focus on Donlin Gold. The management team members were hired specifically for their extensive experience in developing, permitting, and operating large scale gold mines. Company executives have surpassed their required minimum shareholding thresholds.
Barrick Partnership	Successfully advanced the project through permitting; Consistently funded expenditures over the last 12 years and are closely involved in all project activities; Spending at Donlin Gold in 2020 is projected at its highest level since 2011, when FSU2 work was being completed; and Strong leadership alignment through various partnerships over the last two decades through other business endeavors.

1. Represents 100% of measured and indicated mineral resources, inclusive of mineral reserves, of which NOVAGOLD's share is 50%. See "Cautionary Note Concerning Reserve and Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.
2. 2019 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.
3. Donlin Gold data as per the Second Updated Feasibility Study (FSU2). Represent 100% of projected capital costs of which NOVAGOLD's share is 50%.

# ▶ NOVAGOLD: Comprehensive Response to Short-and-Distort Campaign

NOVAGOLD's Media Release Response to JCAP Short-and-Distort Report	
✓	<b>May 29: NOVAGOLD Responds to Inaccurate Report from Short-Selling Firm</b> <a href="https://www.novagold.com/resources/news/2020-05-29.pdf">https://www.novagold.com/resources/news/2020-05-29.pdf</a>
✓	<b>June 1: NOVAGOLD Provides Update for Timing of Response to False and Misleading Short-Seller Report</b> <a href="https://www.novagold.com/resources/news/2020-06-01.pdf">https://www.novagold.com/resources/news/2020-06-01.pdf</a>
✓	<b>June 8: NOVAGOLD Provides Comprehensive Response to Misleading and False Short-Seller Report</b> <a href="https://www.novagold.com/resources/news/2020-06-08.pdf">https://www.novagold.com/resources/news/2020-06-08.pdf</a>
✓	<b>June 8: Fact Matrix in Response to May 28, 2020 JCAP Report</b> <a href="https://www.novagold.com/resources/news/2020-06-08c.pdf">https://www.novagold.com/resources/news/2020-06-08c.pdf</a>
✓	<b>June 8: NOVAGOLD Chairman Thomas S. Kaplan Addresses Misleading Short-and-Distort Report by Short Seller</b> <a href="https://www.novagold.com/resources/news/2020-06-08b.pdf">https://www.novagold.com/resources/news/2020-06-08b.pdf</a>
✓	<b>July 7: NOVAGOLD Files Lawsuit Against J Capital Research for Damages Sustained from Manipulative Short and Distort Report</b> <a href="https://www.novagold.com/resources/news/2020-07-07.pdf">https://www.novagold.com/resources/news/2020-07-07.pdf</a>
✓	<b>July 9: NOVAGOLD Refutes False and Misleading Statements in Law Firm Solicitation Release</b> <a href="https://www.novagold.com/resources/news/2020-07-09.pdf">https://www.novagold.com/resources/news/2020-07-09.pdf</a>

## Poised to be one of the largest gold producers in the world

<b>Reserves:</b>	33.9 Moz Au (505M tonnes grading 2.09 g/t)
<b>Resources:</b>	39.0 Moz M&I (541M tonnes grading 2.24 g/t, inclusive of reserves) and 6.0 Moz Inferred (92 M tonnes grading 2.02 g/t)
<b>Mine Life:</b>	~27 years
<b>Production:</b>	Year 1-5, 1.5 Moz/year; LOM, 1.1 Moz/year
<b>Operation:</b>	Open-pit, conventional truck & shovel
<b>Milling:</b>	53.5k tonnes/day, sulfide flotation, pressure oxidation (POX), carbon-in-leach recovery (CIL)
<b>Strip ratio:</b>	5.5 = 2.8B tonnes waste rock
<b>Tailings:</b>	Downstream-constructed rockfill dam with fully lined storage facility
<b>Power:</b>	153MW average site-generated load, fueled by natural gas transported via a 507-kilometre pipeline
<b>Logistics:</b>	Majority of consumables supplied by Kuskokwim River transportation system with upriver port near Jungjuk Creek

1) Donlin Gold data as per the Second Updated Feasibility Study, effective November 18, 2011, as amended January 20, 2012. See "Cautionary Note Concerning Reserve & Resource Estimates" and "Mineral Reserves & Mineral Resources" table on slides 2 and 37.

## Well-positioned to share upfront costs with third parties

Areas	US\$M <sup>1</sup>	Opportunities <sup>1</sup>
Mining	345	➔ Leasing equipment ~\$188M of \$345M <sup>2</sup>
Site preparation/roads	236	
Process facilities	1,326	➔ Oxygen plant could be built by third party ~\$138M of \$1,326M <sup>2</sup>
Tailings	120	
Utilities	1,302	➔ Pipeline could be built by third party ~\$758M of \$1,302M <sup>2</sup>
Ancillary buildings	304	
Off-site facilities	243	
Total Direct Costs	3,876	
Owners' cost	414	
Indirect Costs	1,405	
Contingency	984	
Total Owner's & Indirect Costs, and Contingency	2,803	
<b>Total Project Cost</b>	<b>6,679</b>	➔ <b>&gt;\$1B owners' potential initial capital reductions</b>



1) Donlin Gold data as per the Second Updated Feasibility Study. Represent 100% of projected capital costs of which NOVAGOLD's share is 50%.  
 2) Does not include indirect costs or contingency

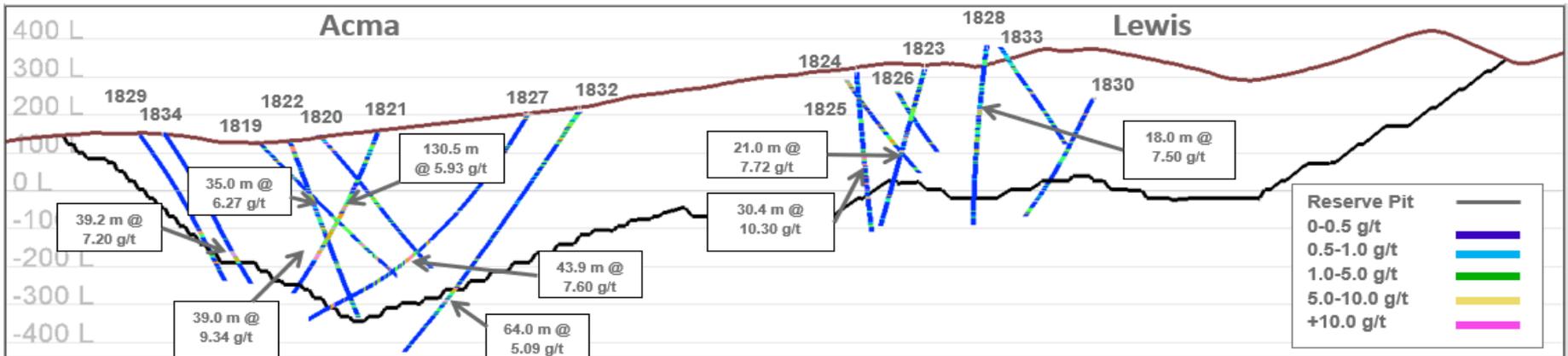
# ► DONLIN GOLD: Excellent 2017 Drill Program – Highlights

2017 drill program of 16 core holes totaling 7,040 meters completed; high-grade zones encountered in multiple areas; data included in geologic modeling exercise

## Top Five Significant Intervals<sup>1</sup>

DC17-1821	130.5 meters grading 5.93 g/t gold, starting at 205.0 meters depth
DC17-1821	39.0 meters grading 9.34 g/t gold, starting at 342.0 meters depth
DC17-1827	43.9 meters grading 7.60 g/t gold, starting at 453.2 meters depth
DC17-1832	64.0 meters grading 5.09 g/t gold, starting at 547.0 meters depth
DC17-1824	30.4 meters grading 10.30 g/t gold, starting at 208.6 meters depth

## Vertical Cross Section - Proposed ACMA and Lewis Pits - 2017 Drill Hole Results & Grade Intercepts<sup>2</sup>



1) These represent the top five significant intervals from the 2017 Donlin Gold drill program. Refer to the media release dated February 20, 2018 titled "NOVAGOLD's Donlin Gold Project Reports Excellent Results from 2017 Drill Program," for remaining significant intervals and additional information.

2) The Donlin Gold vertical cross section represents the drill holes completed in 2017 and grade intercepts. Refer to the media release dated February 20, 2018 titled "NOVAGOLD's Donlin Gold Project Reports Excellent Results from 2017 Drill Program," for remaining significant intervals and additional information.

# ► DONLIN GOLD: Expected to Provide Decades of Low-Cost Production

## Low operating cash costs and all-in sustaining costs<sup>1</sup>

<b>First Five Years</b>	
Costs applicable to sales (millions)	\$3,003
<b>Cash Costs Per Ounce</b>	
Open-pit mining	133
Processing	208
G&A, royalties, land & other <sup>2</sup>	70
<b>Total</b>	<b>\$411</b>
<b>All-in Sustaining Costs Per Ounce</b>	
Cash costs	411
Sustaining capex	83
Corporate administration	21
Reclamation	17
<b>Total</b>	<b>\$532</b>

<b>Life of Mine</b>	
Costs applicable to sales (millions)	\$19,240
<b>Cash Costs Per Ounce</b>	
Open-pit mining	270
Processing	257
G&A, royalties, land & other <sup>2</sup>	108
<b>Total</b>	<b>\$635</b>
<b>All-in Sustaining Costs Per Ounce</b>	
Cash costs	635
Sustaining capex	50
Corporate administration	28
Reclamation	22
<b>Total</b>	<b>\$735</b>

1) Donlin Gold estimates as per the Second Updated Feasibility Study effective November 18, 2011, as amended January 20, 2012. "Costs applicable to sales per ounce" and "All-in sustaining costs" are non-GAAP financial measures. See Non-GAAP Financial Measures on Slide 36.

2) Based on \$1,200/oz gold price.

## Non-GAAP Financial Measures

This presentation makes reference to certain non-GAAP measures. These measures are not recognized measures under US GAAP and do not have a standardized meaning prescribed by US GAAP and are therefore unlikely to be comparable to similar measures presented by other companies. Rather, these measures are provided as additional information to complement those US GAAP measures by providing further understanding of our results of operations from management's perspective and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with US GAAP.

NOVAGOLD believes that these measures, in addition to conventional measures prepared in accordance with US GAAP, provide investors an improved ability to evaluate the underlying performance of NOVAGOLD.

### Costs applicable to sales per ounce

Costs applicable to sales per ounce is a non-GAAP financial measure. This measure is calculated by dividing the costs applicable to sales by gold ounces sold. Costs applicable to sales per ounce statistics are intended to provide additional information only and do not have any standardized meaning prescribed by GAAP and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with GAAP. The measure is not necessarily indicative of operating profit or cash flow from operations as determined under GAAP. Other companies may calculate these measures differently.

The following table reconciles this non-GAAP measure to the most directly comparable GAAP measure.

Costs applicable to sales per ounce:

	<u>First Five Years</u>	<u>Life of Mine</u>
Costs applicable to sales <sup>1</sup> (\$millions)	\$3,003	\$19,240
Gold sold <sup>1</sup> (million ounces)	7.3	30.4
Costs applicable to sales per ounce	<u>\$411</u>	<u>\$635</u>

### All-In Sustaining Costs

Current GAAP measures used in the mining industry, such as cost of goods sold, do not capture all of the expenditures incurred to discover, develop and sustain production. Therefore, we believe that all-in sustaining costs is a non-GAAP measure that provides additional information to management, investors, and analysts that aid in the understanding of the economics of our operations and performance compared to other producers and in the investor's visibility by better defining the total costs associated with production.

All-in sustaining cost (AISC) amounts are intended to provide additional information only and do not have any standardized meaning prescribed by GAAP and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with GAAP. The measures are not necessarily indicative of operating profit or cash flow from operations as determined under GAAP. Other companies may calculate these measures differently as a result of differences in the underlying accounting principles, policies applied and in accounting frameworks such as in International Financial Reporting Standards (IFRS), or by reflecting the benefit from selling non-gold metals as a reduction to AISC. Differences may also arise related to definitional differences of sustaining versus development capital activities based upon each company's internal policies.

The following table reconciles this non-GAAP measure to the most directly comparable GAAP measure.

All-in sustaining costs per ounce:

	<u>First Five Years</u>	<u>Life of Mine</u>
<u>Costs (\$millions)</u>		
Costs applicable to sales <sup>1</sup>	\$3,003	\$19,240
Sustaining capital <sup>1</sup>	606	1,505
Corporate administration <sup>2</sup>	150	900
Reclamation <sup>3</sup>	121	671
All-in sustaining costs	<u>\$3,880</u>	<u>\$22,316</u>
Gold sold (million ounces) <sup>1</sup>	7.3	30.4
All-in sustaining costs per ounce	<u>\$532</u>	<u>\$735</u>

1) Per the Second Updated Feasibility Study, effective date November 18, 2011 and filed on January 20, 2012.

2) Assumes \$30M per year of corporate administration costs

3) Includes accretion expense related to reclamation liabilities and trust fund for closure costs

# NOVAGOLD: Mineral Reserves & Mineral Resources

Donlin Gold (100% basis)*	Tonnage	Grade	Metal content
GOLD	kt	g/t Au	koz Au
<b>Reserves<sup>(1)</sup></b>			
Proven	7,683	2.32	573
Probable	497,128	2.08	33,276
P&P	504,811	2.09	33,849
<b>Resources<sup>(2)</sup>, inclusive of Reserves</b>			
Measured	7,731	2.52	626
Indicated	533,607	2.24	38,380
M&I	541,337	2.24	39,007
Inferred	92,216	2.02	5,993

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

**Donlin Gold approximate cut-off grades (see Resources Footnotes):**  
**Reserves<sup>1</sup> : 0.57 g/t gold**  
**Resources<sup>2</sup> : 0.46 g/t gold**

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

- a) This resource estimate has been prepared in accordance with NI 43-101 and the CIM Definition Standard, unless otherwise noted.  
b) See numbered footnotes below on resource information.  
c) Rounding as required by reporting guidelines may result in apparent summation differences between tonnes, grade and contained metal content  
d) Tonnage and grade measurements are in metric units. Contained gold is reported as troy ounces.

- 1) Mineral Reserves are contained within Measured and Indicated pit designs, and supported by a mine plan, featuring variable throughput rates, stockpiling and cut-off optimization. The pit designs and mine plan were optimized on diluted grades using the following economic and technical parameters: Metal price for gold of US\$975/oz; reference mining cost of US\$1.67/t incremented US\$0.0031/t/m with depth from the 220 m elevation (equates to an average mining cost of US\$2.14/t), variable processing cost based on the formula  $2.1874 \times (\%) + 10.65$  for each US\$/t processed; general and administrative cost of US\$2.27/t processed; stockpile rehandle costs of US\$0.19/t processed assuming that 45% of mill feed is rehandled; variable recoveries by rock type, ranging from 86.66% in shale to 94.17% in intrusive rocks in the Akivik domain; refining and freight charges of US\$1.78/oz gold; royalty considerations of 4.5%; and variable pit slope angles, ranging from 23° to 43°. Mineral Reserves are reported using an optimized net sales return value based on the following equation:  $\text{Net Sales Return} = \text{Au grade} * \text{Recovery} * (\text{US}\$975/\text{oz} - (1.78 + (\text{US}\$975/\text{oz} - 1.78) * 0.045)) - (10.65 + 2.1874 * (\%) + 2.27 + 0.19)$  and reported in US\$/tonne. Assuming an average recovery of 89.54% and an average 5% grade of 1.07%, the marginal gold cut-off grade would be approximately 0.57 g/t, or the gold grade that would equate to a 0.001 NSR cut-off at these same values. The life of mine strip ratio is 5.48. The assumed life-of-mine throughput rate is 53.5 kt/d.
- 2) Mineral Resources are contained within a conceptual Measured, Indicated and Inferred optimized pit shell using the following assumptions: gold price of US\$1,200/oz; variable process cost based on  $2.1874 * (\text{sulphur grade}) + 10.6485$ ; administration cost of US\$2.29/t; refining, freight & marketing (selling costs) of US\$1.85/oz recovered; stockpile rehandle costs of US\$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). Mineral Resources have been estimated using a constant Net Sales Return cut-off of US\$0.001/t milled. The Net Sales Return was calculated using the formula:  $\text{Net Sales Return} = \text{Au grade} * \text{Recovery} * (\text{US}\$1,200/\text{oz} - (1.85 + ((\text{US}\$1,200/\text{oz} - 1.85) * 0.045))) - (10.65 + 2.1874 * (\%) + 2.29 + 0.20)$  and reported in US\$/tonne. 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. See “Cautionary Note Concerning Reserve & Resource Estimates” on slide 2.

## 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	Gordon Seibel R.M. SME Kirk Hanson P.E.	“Donlin Creek Gold Project Alaska, USA, NI 43-101 Technical Report on Second Updated Feasibility Study” prepared by AMEC, effective November 18, 2011, amended January 20, 2012 (the “Second Updated Feasibility Study” or “FSU2”).

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