

[Home](#) · [About Us](#) · [Our Plan](#) · [Environment](#) · [Community](#) · [Careers](#) · [Safety](#) · [Contact Us](#)

Our Plan

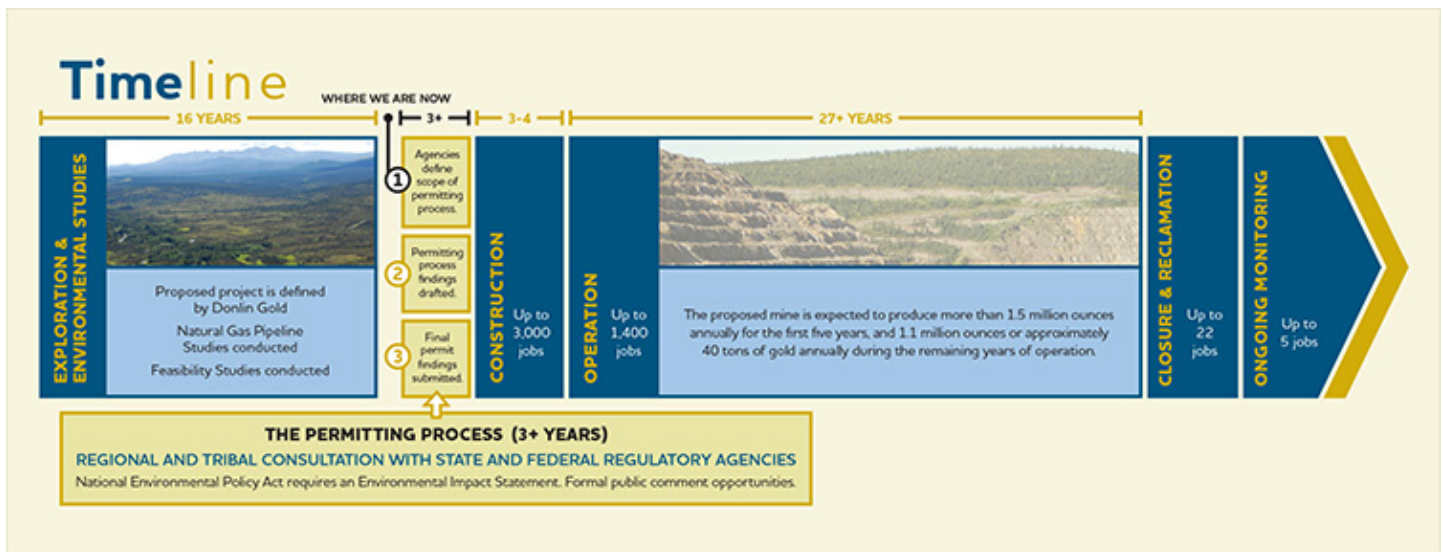
[The Project](#) [The History](#) [Processing Plan](#) [Powering the Project](#)
[Closing the Mine](#) [Project Information](#)

THE PROJECT

Located in Western Alaska, Donlin Gold is one of the largest known undeveloped gold deposits in the world, with probable reserves estimated at 33.8 million ounces of gold. Based on exploration results, the Donlin Gold project will be an environmentally sound, open-pit gold mine. Located about 10 miles from Crooked Creek Village, the project would process approximately 59,000 short tons of ore per day. The Donlin Gold project would provide up to 3,000 jobs during construction, which is estimated to take three to four years. Between 800 and 1,400 jobs are projected throughout the estimated 27+ year operational phase. Infrastructure plans call for a power generation plant, water treatment plant, access roads, housing, two ports, a natural gas pipeline and an airstrip. The mine is estimated to produce on average 1.3 million ounces of gold annually during operation. This production level would make Donlin Gold one of the world's largest gold-producing mines.



TIMELINE



THE HISTORY

Placer gold was first discovered at Snow Gulch, a tributary of Donlin Creek in 1909 during a rush to the George River by miners from the Iditarod-Flat District. Small-scale mining was conducted in the area from 1910 to 1940. After World War II sluice mining was conducted on Donlin Creek.

The Kuskokwim Corporation (TKC), a consortium of 10 upriver villages closest to Donlin, owns most of the surface land in the proposed mine area. The subsurface land is owned by Calista Corporation, a regional Native corporation formed under the Alaska Native Claims Settlement Act that encompasses 56 villages in the Yukon Kuskokwim (YK) region. Exploration in the Donlin Creek area over the years has been via lease agreements and contracts with these landowners.



Calista identified mineral potential in the region in 1975 and conducted prospecting and limited exploration activities from 1984 to 1987. The first substantial exploration drilling program was carried out by WestGold in 1988 and 1989. Placer Dome US (PDUS) explored the property from 1995 to 2000 and constructed a 75-person camp, 17 miles of road and a 5,000 foot long airstrip to support the advanced exploration and other programs.

In 2001, PDUS formed the Donlin Creek Joint Venture (DCJV) with NovaGold as an operator. In February 2003, PDUS reassumed management of the DCJV as operator. PDUS initiated engineering and environmental studies and conducted an economic evaluation of the project and completed a resource estimate and continued with the pre-feasibility and feasibility studies.

Barrick Gold merged with Placer Dome in 2006 and acquired the PDUS interest in the DCJV. Approximately 1,784 exploration and development drill holes, totaling 132,493 m (403,705 ft), were completed from 1989 through 2008.

In December 2007, Donlin Creek LLC was formed as a limited liability company with 50/50 ownership by Barrick Gold North America and NovaGold Resources Alaska, Inc. In 2011, the company's LLC name was changed to Donlin Gold LLC. Activities at the Donlin Gold Project are managed by Donlin Gold LLC which oversees all aspects of development with input from both partners.

PROCESSING PLAN

Extracting the gold at the Donlin Gold site will require significant processing:

- Crushing and grinding the ore in large grinding mills to create a fine silt-like powder
- Separating the gold-bearing minerals from other material in concentrating and washing circuits
- Applying heat, pressure, and oxygen in an autoclave to pre-treat the ore
- Dissolving the gold with cyanide solution in contained

steel mixing tanks to extract it from other minerals

- Gathering the dissolved gold onto activated carbon and sending the cyanide solution through a cyanide detoxification process
- Extracting the gold from the carbon in a process similar to electroplating
- Refining the gold and pouring it into gold doré bars



POWERING THE PROJECT

It is estimated that the proposed Donlin Gold mine would require an average load of 157 megawatts. To provide the amount of power required to operate the mine at peak capacity, a 14-inch, 312-mile-long buried pipeline to transport natural gas from the Cook Inlet region to the mine site is being considered. This would be an alternative to barging in diesel fuel from Bethel. If the pipeline is included in development, approximately two barges per day would take small amounts of diesel fuel and camp supplies from Bethel to a port site approximately eight miles down river from Crooked Creek, and would then be transported on a 30-mile access road to the mine site. Many other options to provide power such as coal, hydroelectricity, a power line intertie, biofuel, and even nuclear energy, were considered during the feasibility analysis but did not meet the current needs of the project.

CLOSING THE MINE

A reclamation and closure plan is required by law to ensure when mining activity is completed, the mine is closed and the land is reclaimed and restored. The reclamation and closure plan is worked out in great detail and submitted to the permitting agencies for approval before the project is constructed.

To ensure that reclamation is properly carried out and meets permit requirements, the law requires the mine operator to provide financial assurance in the form of a bond or other financial insurance that is independently guaranteed.

Reclamation involves re-contouring the land, covering it with soil where needed and seeding it with vegetation native to the area. Reclamation will be ongoing through construction and operation as certain phases of the project are completed. Long after the mine is closed, environmental monitoring of the area will continue.

Once the mine is closed, Donlin is proposing to allow the open pit to fill with water and become a lake over a period of many years. The water quality of the lake will be continuously monitored and before any water is released it will be treated to meet strict water quality standards.

After completing all mining and milling activities, excess water will be pumped from a tailings storage facility to the pit lake. The tailings area will then be covered with rock and gravel. The



tailings storage facility, along with the waste rock facility and other disturbed areas will be reclaimed by being re-contoured, covered with soil as needed, and seeded with a grass mix.

Over time, native trees and plants will naturally reclaim the area. All buildings and equipment will be taken apart and removed. Some material will be buried in permitted on-site landfill trenches that will be covered with soil and reclaimed, as required by regulatory agencies.

PROJECT INFORMATION



In addition to regular Newsletters, Donlin Gold keeps the region updated on the project. Some of our recent informational publications are available below.

Project Description 2012

[Barrick | NovaGold | Site Map](#)

Donlin Gold LLC • 4720 Business Park Blvd, Suite G-25 • Anchorage, AK 99503 • T (888) 225-7590 or (907) 273-0200 • F (907) 273-0201

info@DonlinGold.com

Copyright © 2013 Donlin Gold LLC. All Rights Reserved.

[Home](#) · [About Us](#) · [Our Plan](#) · [Environment](#) · [Community](#) · [Careers](#) · [Safety](#) · [Contact Us](#)

We Care about Community

[What People in the Community Are Saying](#) **[Newsletter Archive](#)**
[Community Investment](#) **[Scholarship Information](#)** **[Village Visits](#)**

WHAT PEOPLE IN THE COMMUNITY ARE SAYING

Donlin Gold values input from the community. Helping to shape the direction of the project, we have been listening to the people of the region since exploration began over 16 years ago and have been putting their thoughts and concerns into action. For example, after hearing our initial project proposal, many people in the region encouraged us to seek alternative methods for powering the project. This resulted in Donlin studying the feasibility of a natural gas pipeline as the primary source of power for the project. As the project heads toward permitting, we look forward to hearing from the people of the Yukon Kuskokwim region, to better develop a mine that serves as a model for responsible mine development.



DONLIN GOLD NEWSLETTER ARCHIVE

Over the past few years, Donlin Gold has been sending newsletters to stakeholders with the latest information on the project. Each newsletter gives updates on the project's progress, what employees are up to, safety guidelines, as well as highlighting employees and their contributions to surrounding communities.

[December 2012](#)

[November 2012](#)



To view archived newsletters, you will need [Adobe Acrobat Reader](#).

- [2012](#)
- [2011](#)
- [2010](#)
- [2009](#)
- [2008](#)
- [2007](#)
- [2006](#)
- [2005](#)

[Sign up to receive our newsletters.](#)

COMMUNITY INVESTMENT

Donlin Gold is committed to a positive and open relationship with the people of the Yukon Kuskokwim (YK) region. It is one of the project's priorities to create a mine that will enrich the lives of those who live in the area for many years to come.

Donlin Gold has participated in a variety of community programs, like clothing drives to help provide winter gear for school children in Bethel, and has supported regional cultural events as well as programs that provide safety services to the YK region. Donlin Gold also supports programs throughout the region that benefit education, community wellness, cultural preservation, and environmental protection.

Donlin is a Principal Partner of the 2012 Iditarod, [the Last Great Race](#) and is also a Premier Sponsor of the 2,000 mile [Iron Dog](#) snowmachine race.



SCHOLARSHIP INFORMATION

Providing opportunities to the youth of rural Alaska is an important investment for Donlin Gold. That's why Donlin is a major contributor to both the Calista Heritage Foundation Scholarship Fund and the Kuskokwim Educational Foundation.

If you are interested in receiving more information about scholarship opportunities or if you would like to make a difference in the life of an Alaska Native student by donating to the scholarship funds, contact :

Calista Heritage Foundation
(907)279-5516
www.calistaheritage.org

Kuskokwim Educational Foundation
(907)243-2944
www.kuskokwim.com/content/educational-foundation



VILLAGE VISITS

Village Visits for this year are being scheduled with the individual villages. Check back for an update.

Barrick | NovaGold | Site Map

Donlin Gold LLC • 4720 Business Park Blvd, Suite G-25 • Anchorage, AK 99503 • T (888) 225-7590 or (907) 273-0200 • F (907) 273-0201

info@DonlinGold.com

Copyright © 2013 Donlin Gold LLC. All Rights Reserved.

[Home](#) · [About Us](#) · [Our Plan](#) · [Environment](#) · [Community](#) · [Careers](#) · [Safety](#) · [Contact Us](#)

We Care about our Employees

**Talent Bank Profile Local Hire Program
Current Donlin Gold Employment Opportunities
What Jobs Will Be Available**

TALENT BANK PROFILE

The information we gather in this Talent Bank Profile will be used solely to help Donlin Gold plan and prepare for future workforce development needs.

Please click below and enter your information – it will be kept confidential.

[Talent Bank Profile Data Entry](#)

LOCAL HIRE PROGRAM

With a consistent local hire record exceeding 85 percent at the Donlin Gold camp, the project is committed to hiring shareholders of Alaska Native Corporations and their descendants for the thousands of jobs that will be available during construction and operation of the mine.



CURRENT DONLIN GOLD EMPLOYMENT OPPORTUNITIES

[Donlin Gold Employment Application](#)

Corporate employment questions can be directed to
jobs@DonlinGold.com

Human Resources
Donlin Gold
4720 Business Park Blvd Suite G-25
Anchorage, AK 99503
Email: jobs@DonlinGold.com

DONLIN GOLD CONTRACTORS
To see other job opportunities on the Donlin Gold Project click
on the [Calista Corporation](#) link.

WHAT KINDS OF JOBS WILL BE AVAILABLE AT DONLIN GOLD

Planning for Your Future: Jobs with Donlin Gold

- Airport Management
- Aviation
- Barge Operations
- Blasting
- Catering
- Construction
- Counseling
- Drilling
- Emergency Response
- Engineering
- Environmental Science
- Finance & Administration
- Geology
- Health and Safety
- Heavy Equipment Operation
- Housekeeping
- Human Resources
- Information Technology
- Logistics
- Maintenance
- Mechanical Maintenance and Repair
- Milling/Processing
- Port Management
- Refining
- Trades (Electricians, Plumbers, Carpenters)
- Warehousing

Barrick | NovaGold | Site Map

Donlin Gold LLC • 4720 Business Park Blvd, Suite G-25 • Anchorage, AK 99503 • T (888) 225-7590 or (907) 273-0200 • F (907) 273-0201

info@DonlinGold.com

Copyright © 2013 Donlin Gold LLC. All Rights Reserved.

[Home](#) [The Region](#) [The People](#) [The History](#) [Donlin Gold Homepage](#)

HOME

THE REGION

THE PEOPLE

Yup'ik

- Language
 - Mining
 - Seasonal
- Arts in Life
- Education
- Leadership
- Values

Athabaskan

- Languages
- Arts in Life
- Education
- Leadership
- Values

Links

THE HISTORY

MINING TERMS IN YUP'IK

Donlin Gold's staff has had an interesting linguistic project: translating technical mining terms into Yup'ik. In some cases we had to build new words, and in others we found that a single English word required an entire Yup'ik sentence to catch its meaning.

Mining Term	Yup'ik Translation
5K ft. Airstrip	Misvik tallimaneq tiissicaaneq it'ganernek taktalria
Absorption onto Carbon	(sulutaaq) Nepcetaarumalria kangiplugmun (coconut-aat qeltaitnek)
Acidification	Teggalquq avungqellria sulfide-amek elolamun mermun-llu paivtaqami acid-aaq piurtetuuq teggalqumek
Activated Carbon	Coconut shell-at kangipluatnek nepcetaarun
Apply Heat	Puqliumaluni
Autoclave	Kaminiarpak, teggalqunek uucissuun
Ball Mill	Akagturalria aricissuun angqayagarnek cavignek passicissuucirluni
Barge	Paacaq
Baseline studies	Nallunriyuun ellam wall' mer'em ayuqucian mine-alriit ayagnirpailgata naaqutait
Bedrock	Nunam acik'acagaani tegalquq
Bond	Akirugaq allakaumalria pillugeskuneng atuugarkaq
Carbon Stripping	Suulutaaq kangiplugmun nepingalria aug'arluku
Chloride Washing	Mermun clorox-aalegmun emurcissuun
Contact Water Pond	Meq sulutaaliulriit atullrata elliviat, atunqigtarumaarkaq, ciqicimangaunani
Core	Suulutangqertassiarutet allaneq-llu nunam akunliinek cuqcissuun
Crushing	Ciamciluni
Cyanide Destruction	Cyanide-am piunriumallra
Cyanide Solution	Cyanide-aq emirumalria urtaq
Dissolving Gold	Suulutaam urugcimallra
Dore' Bar	Suulutaaq yaasigenqeggiumalria
Double Hulled	(paacaq) Qalliqellriignek ecilek
Environment	Ellamta nunamata-llu avatigni uitalriit
Exploration	Yuarturalleq (suulutamek)
Extracted	Nucuumalria
Feasibility Study	Pillerkiurat yuvriutiit
Flotation	Pugilleq wall'u pugcetaarilleq
Freshwater Reservoir	Mer'em ecuiinguum uitavia
Geochemistry	Teggalqut ayuquciata elitnaurutiit
Gold	Suulutaaq
Gold Electrowinning	Suulutaam cavigmun nepcetaarumallra
Gold Furnace	Suulutaam uucissuutii (Kaminvak)
Gold Leaching	Suulutaam nucugyaraa cyanide-amek aturluni
Grinding	Arilluku
Hard Rock Mining	Suulutaam nucugilleq teggalqunek

Horizontal Directional Drilling	Cilingqaluni nunam akunlikun wall'u kuiget aciitgun ukicillerkaq
Lode	Suulutaam amlenran uitavia wall'u ayagnera
Logistics	Pillerkiurutet qaillun eglertellerkait
Mercury	Mercury-q (merrlugcenani cavik)
Mercury Controls	Mercury-m murikelluku aulukumallerkaa
Mercury Abatement	Mercury-m puyuan piuniumavia
Milling	Suulutaam nucugumallran calivia
Mineralized Rock	Teggalquq akituliurtelleq
Minerals	Akituyugngalriit caviit teggalqut-llu
Monitoring Pond	Ellngallikan wall'u qurrullikan mer'em quyurvigkaa
Monitoring Wells	Nunam akulinek wall'u nunam terr'aneq mer'em murilkessuutai
NAG (Non-Acid Generating)	Qalqernginrlnguq teggalquq
ARD (Acid Rock Drainage)	Teggalquq ellamun mermun-llu paivtaqami qalqerngilria
Native Metal	Nunami nakmiin caviit uitalriit
NEPA	Anguyagtem alerquutii qaillun nunam wall'u mer'em aulukengqcaaralerkaa
Open Pit / Open-Cut Mine	Terlak/Nunam qainga elaglukun suulutaarculleq
Ore	Teggalquq suulutaalek
Ore Stock Pile	Teggalqut suulutaalgem ellivigkaa (uitavigkaa)
PAG (Potential Acid Generating)	Teggalquq qalleryugngali
Permitting	Kalikirciumallerkaq
Pit	Terlak
Plant	Massiinivik
Pond	Nanvarraq
Power	Kalluk
Pressure Oxidation	Oxygen-aamek ek'qucirluni uucilleq
Public Comment	Yuut piyuutait necimallerkaat
Public Involvement / Engagement	Yuut piyuutaitnek kangingnaurirraarluni eglertellerkaq/llangcarluni
Reclamation	Nunam ataam ayuqucillratun nuniumallerkaa
SAG Mill	Teggalqumek passicissuun akagturalriami teggarvagnek angqayagarnek-llu aturluni
Separating Gold Bearing Minerals	Suulutaam avvcimallra tegalqumek
Shareholder Hire	Nakmiin yumtenek calistengqellerkaq
Spill Response Plan	Kuv'illikata (pillugtellikata) pillerkiuraq
Stakeholder	Yuut mine-arkam mallgeskiini nunalget
Storage Facility	Calissuutenek allanek-llu ellivigkaq
Surface Water	Meq nunam qainganelnguq
Tailings	Arimalriit teggalqut suulutariumalriit
Tailings Dam / Pond	Kisenret caputiit
Tailings Storage Facility	Arimalriit teggalqut suulutariumalriit kisenret ellivigkaat
Tours	Yuut paqtaarluteng ayagalriit
Troy Ounce	Suulutaamek ussperissuun/naaqun
Truck and Shovel Operation	Nuna elaglukun
Underground Mining	Nunam aciakun suulutaarculleq
Veins	Suulutaq teggalqum akunlikun ayalria
Washing	Er'umavigkaq/Emurcivik
Waste Rock	Teggalquq suulutaarilnguq
Waste Rock Facility	Teggalquq suulutaarilnguum uitavigkaa (ellivigkaa)

Barrick | NovaGold | Site Map

Donlin Gold LLC • 4720 Business Park Blvd, Suite G-25 • Anchorage, AK 99503 • T (888) 225-7590 or (907) 273-0200 • F (907) 273-0201

info@DonlinGold.com

Copyright © 2013 Donlin Gold LLC. All Rights Reserved

