

DIVISION OF MINING, LAND AND WATER
WATER RESOURCES SECTION

www.dnr.state.ak.us/mlw/water/index.htm



Anchorage Office 550 West 7 th Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8600 Fax: (907) 269-8947	Juneau Office PO Box 111020 400 Willoughby Avenue Juneau, AK 99811-1020 (907) 465-3400 Fax: (907) 586-2954	Fairbanks Office 3700 Airport Way Fairbanks, AK 99709 (907) 451-2790 Fax: (907) 451-2703	For ADNR Use Only Date/Time Stamp <div style="border: 1px solid blue; padding: 5px; text-align: center; color: red; font-weight: bold;">MAY 13 2013</div> WATER RESOURCES SECTION ANCHORAGE
For ADNR Use Only LAS # <u>29169</u>	For ADNR Use Only CID # <u>49052</u>	For ADNR Use Only Receipt Type <u>WR</u>	

APPLICATION FOR WATER RIGHT

INSTRUCTIONS

1. Complete one application for each water source (incomplete applications will not be accepted).
2. Attach copy of executed deed, lease agreement, or other possessory interest document for property where water will be used (applicant must own, lease, or obtain written authorization to use water on property).
3. Attach copy of legal access document (e.g. right-of-way, easement, permit) or application for legal access to water withdrawal point and transport route, if applicable, or copy of request or application for legal access to water withdrawal point.
4. Attach driller's well log for drilled wells (if already drilled and available).
5. Attach sketch, photos, plans of water system, or project description (if applicable).
6. Attach legible map that includes meridian, township, range, and section lines such as a subdivision plat, USGS topographical quadrangle, or borough tax map. Indicate location of water withdrawal, route of water transmission, water use area boundary, points of water use within boundary, and point of water return flow (if applicable).
7. Attach copy of approved ADEC water and wastewater system certificate (if applicable).
8. Attach copy of ADNR fish habitat permit (if applicable).
9. Attach notarized Statement of Beneficial Use of Water form and associated fee, if water system and water use are fully developed, and total water use does not exceed 500 gallons of water per day.
10. Attach completed Coastal Project Questionnaire (if applicable - see page 4).
11. Submit non-refundable fee (see page 4).

APPLICANT INFORMATION **Snow Gulch Freshwater Dam**

Donlin Gold LLC _____ Organization Name (if applicable)		Robert Enos _____ Agent or Consultant Name (if applicable)	
_____ Individual Applicant Name (if applicable)		_____ Individual Co-applicant Name (if applicable)	
4720 Business Park Blvd., Suite G-25 _____ Mailing Address	Anchorage _____ City	AK _____ State	99803 _____ Zip Code
(907) 279-0383 _____ Daytime Phone Number	(907) 279-0200 _____ Alternate Phone Number (optional)		
(907) 273-0201 _____ Fax Number (if available)	renos@donlingold.com _____ E-Mail Address (optional)		

PROPERTY DESCRIPTIONS							
Location of Water Use							
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter Sections	
Attachment A						¼	¼
Location of Water Source							
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter Sections	
Attachment B						¼	¼
Location of Water Return Flow or Discharge (if applicable)							
Geographic Name of Water Body or Well Depth		Meridian	Township	Range	Section	Quarter Sections	
						¼	¼

WATER SOURCE				
Ground Water				
Type (e.g. drilled, dug)	Total Depth (in feet)	Static Water Level (in feet)	Date Completed	Well Production Capacity
Surface Water				
Type (e.g. stream, lake, spring)		Geographic Name (if named)		
Snow Gulch Freshwater Dam		Snow Gulch		

METHOD OF TAKING WATER (IF KNOWN)	
Pump	Pump Intake _____ Inches Hours Working _____ Hours/Day Pump Output _____ GPM Length of Pipe _____ Feet (from pump to point of use)
Gravity	Pipe Diameter _____ Inches Length of Pipe _____ Feet (take point to point of use) Head _____ Feet
Ditch	L _____ H _____ W _____ Feet Diversion Rate _____ <input type="checkbox"/> GPM or <input type="checkbox"/> CFS
Reservoir	L _____ H _____ W _____ Feet Water Storage _____ AF
Dam	L <u>1,200</u> H <u>154</u> W <u>~575</u> Feet Water Storage <u>3,243</u> AF

AMOUNT OF WATER							
Common Water Uses and Standard Amounts							
Type of Use	How Many		Standard Amounts		Total Amount Requested	Months of Use	
						Begin	End
Fully Plumbed Single-family Home (includes irrigation of 10,000 sq. ft.)	#_____Homes	X	500 GPD	=			
Partially Plumbed Single-family Home (no hot water heater)	#_____Homes	X	250 GPD	=			
Unplumbed Single-family Home (hand carry water)	#_____Homes	X	75 GPD	=			
Duplex or Triplex	#_____Bldgs.	X	1000 GPD	=			
Four-plex and Larger Housing	#_____Units	X	250 GPD	=			
Motel or Resort	#_____Rooms	X	150 GPD	=			
Work Camps	#_____People	X	50 GPD	=			
Domestic Irrigation	#_____Sq. ft.	X	250 GPD per 10,000 Sq. ft.	=			
Non-domestic Irrigation	#_____Acres	X	0.5 AFY	=			
Other Water Uses							
Type of Use	How Many		Amount		Total Amount Requested	Months of Use	
						Begin	End
		X		=			
		X		=			
Type of Use					Total Amount Requested	Months of Use	
						Begin	End
Milling - ore processing (Attachment C)					12,785 AFY	1/1	12/31

Expected date for water system and water use to be fully developed *or* date when existing use started 2018.
 Note: Pursuant to AS 46.15.180(a)(1). Crimes, a person may not construct works for an appropriation, or divert, impound, withdraw, or use a significant amount of water from any source without a permit, certificate of appropriation, or authorization issued under this chapter.

11 AAC 93.040 sets out the required information on an application for a water right. 11 AAC 93.050 authorizes the commissioner to decide what additional information is needed to process an application for a water right. This information is made a part of the state public water records and becomes public information under AS 40.25.110 and 40.25.120. Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

SIGNATURE

The information presented in this application is true and correct to the best of my knowledge. I understand that per 11 AAC 93.040 and 11 AAC 93.050 additional information may be required by the department to adjudicate this application. Failure to provide requested information could result in this file being closed.



Signature _____

Robert Eos

Name (please print) _____

5/16/2013

Date _____

Enviro & Permitting Manager

Title (if applicable) _____

REFERENCES

Measurement Units

- GPD = gallons per day
- CFS = cubic feet per second
- GPM = gallons per minute
- AF = acre-foot
- AFY = acre-feet per year (325,851 gallons/year)
- AFD = acre-feet per day (325,851 gallons/day)
- MGD = million gallons per day

Conversion Table

5,000 GPD=	30,000 GPD=	100,000 GPD=	500,000 GPD=	1,000,000 GPD=
0.01 CFS	0.05 CFS	0.2 CFS	0.8 CFS	1.5 CFS
3.47 GPM	20.83 GPM	69.4 GPM	347.2 GPM	694.4 GPM
5.60 AFY	33.60 AFY	112.0 AFY	560.1 AFY	1120.1 AFY
0.2 AFD	0.09 AFD	0.3 AFD	1.5 AFD	3.1 AFD
0.01 MGD	0.03 MGD	0.1 MGD	0.5 MGD	1.0 MGD

Fees required by regulation 11 AAC 05.010(a)(8)

- **\$100** for one single-family residence or duplex, or for water use associated with one single-family residence or duplex
- **\$1,200** for activities related to oil and gas and associated substances
- **Fee varies** for activities related to locatable minerals, unless the application is filed under 11 AAC 05.010(a)(9)(E)(i) or (9)(F)(i) - *contact Water Resources Section for pre-application meeting*
- **Fee varies** for hydroelectric power generation - *contact Water Resources Section for pre-application meeting*
- **Fee varies** for water removal out of a hydrologic unit under AS 46.15.035 or 46.15.037 - *contact Water Resources Section for pre-application meeting*
- **\$200** for 5,000 GPD or less for a use not listed above
- **\$450** for greater than 5,000 GPD and no more than 30,000 GPD for a use not listed above
- **\$550** for greater than 30,000 GPD and no more than 100,000 GPD for a use not listed above
- **\$900** for greater than 100,000 GPD for a use not listed above

Make checks payable to "Department of Natural Resources."

Coastal Zone

If this appropriation is within the Coastal Zone, and you are planning to use more than 1,000 GPD from a surface water source or 5,000 GPD from a subsurface water source, you need to submit a completed Coastal Project Questionnaire with this application. For more information on the Coastal Zone, contact the Office of Project Management and Permitting; Anchorage 269-7470, Juneau 465-3562, www.dnr.state.ak.us/acmp/.

Attachment A
SNOW GULCH FRESHWATER RESERVOIR

LOCATIONS OF WATER USE

<u>Use</u>	<u>Location</u>
Mill Process Water	Section 1, 2, 11, and 12 T22N, R49W, Seward Meridian
Dust Control	Potentially along all unpaved roads including portions of Section 30, 31, and 32, T23N, R48W; Section 25, 26, 27, 34, 35, 36, T23N, R49W; Section 1, 2, 3, 10, 11, 12, 13, 14, 15, and N ½ 22; T22N, R49W; and Section 5, 6, 7, 8, 17, 18, and 20, T22N, R48W Seward Meridian
Fire Training and Suppression	Anywhere needed but primarily in the mill area in Section 1, 2, 11, and 12, T22N, R49W, Seward Meridian

Attachment B
SNOW GULCH FRESHWATER RESERVOIR

LOCATIONS OF WATER SOURCES

Source

Location

Snow Gulch
Freshwater Dam

A freshwater water supply reservoir located in Snow
Gulch creek within Section 25, T23N, R49W and
Section 30, T23N, R48W, Seward Meridian

Attachment C
SNOW GULCH FRESHWATER RESERVOIR

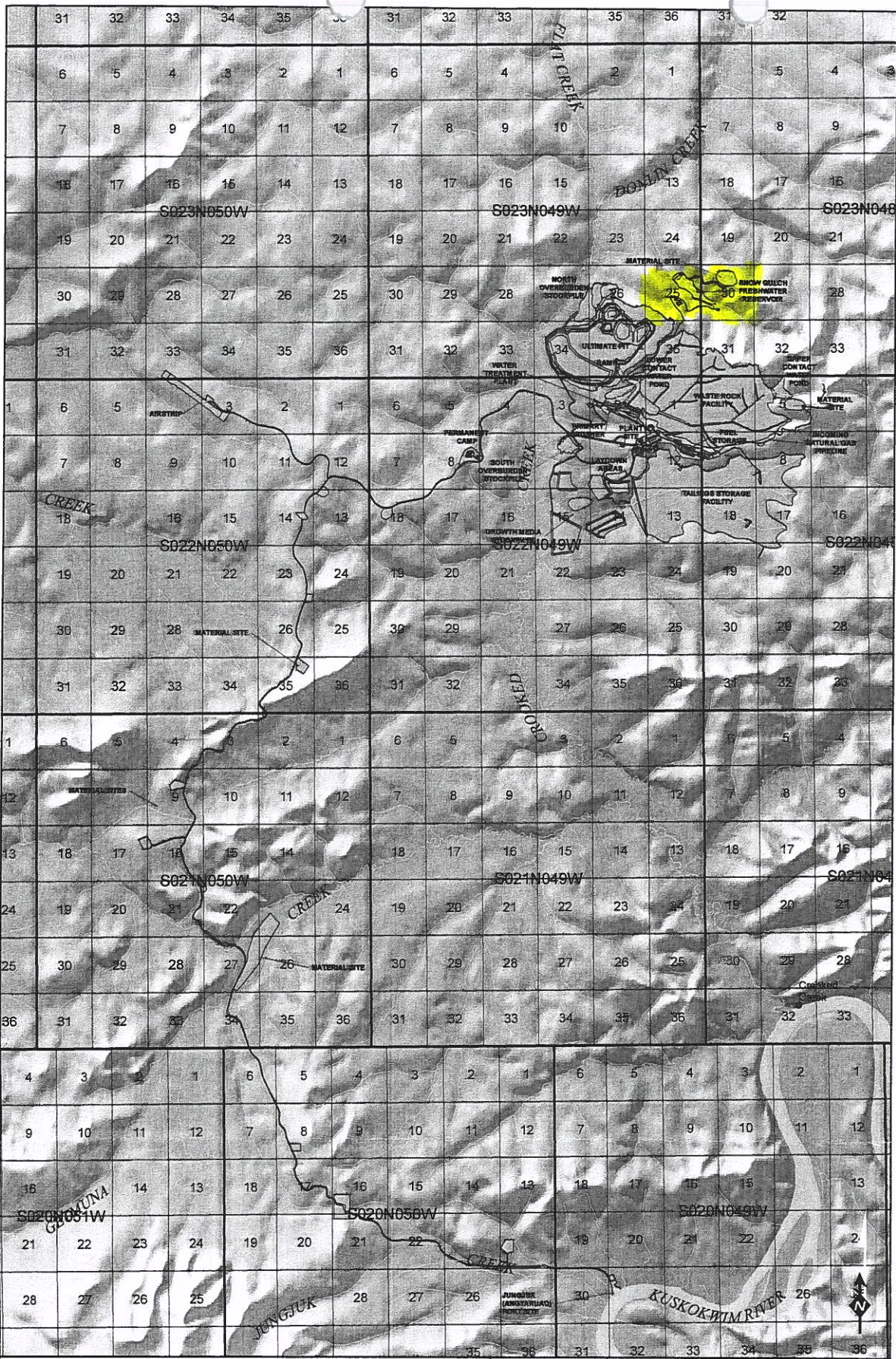
USE AND WATER QUANTITY

This water right is required for the operation of a large scale gold milling associated with the proposed Donlin Gold Mine. For a description of how the water will be used please refer to "Project Description, Plan of Operations – Volume I Donlin Gold Project" (July 2012) and "Water Resources Management Plan, Plan of Operations Vol. II" (July 2012), which were previously submitted to the State of Alaska.

The quantity of water re-applied for in this application is 12,785 acre-feet per year from the freshwater water supply reservoir. The freshwater reservoir would have an operating storage capacity of 3,243 acre feet. It will be used as a makeup water supply source for ore processing mill, dust control on haul roads and fire training/protection.

Makeup water requirements will vary with plant throughput, annual precipitation and evaporation, ore moisture, and moisture retention in the tailings. Snow Gulch will provide an additional source of water in the event of extended periods of below normal precipitation.

This water right is needed to allow for the continued collection, control, and impoundment of water to assure that there is adequate supply for the long term operation of the mill.



- Populated Place
- ▭ Proposed Infrastructure Layout



**MINE FOOTPRINT FOR
WATER RIGHTS APPLICATION**
DONLIN GOLD PROJECT

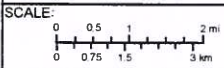


FIGURE:
1