

MINE WASTE CONFERENCE 2011

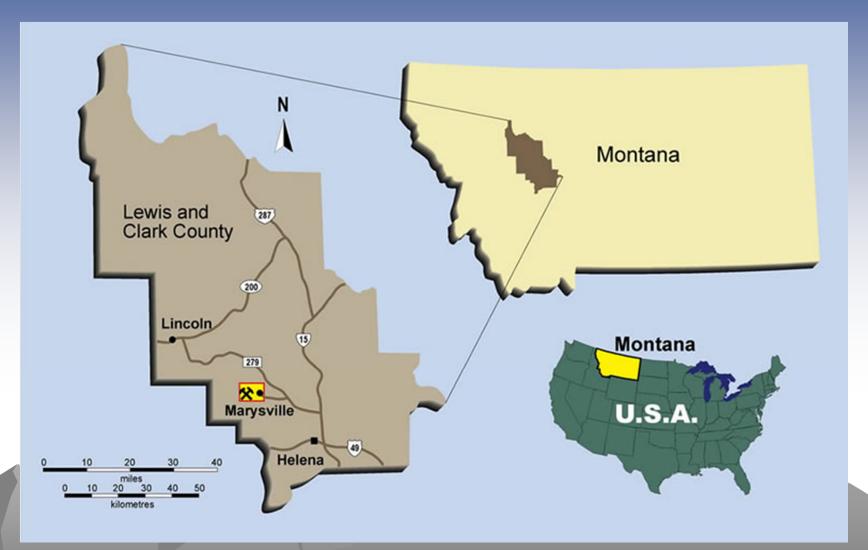
Permitting the Drumlummon Mine

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Consulting Engineer – CDM

Drumlummon Mine, Marysville



Drumlummon Gold Corporation (DGC) Mine Development Objective

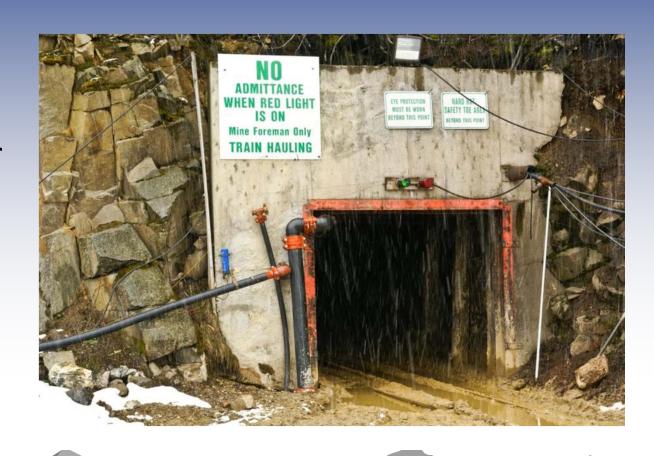
exploration, initial mine production, and operating permit activities to achieve uninterrupted progression to full-scale mine and mill development



Visible-Gold-and-Silver-Drumlummon-2010

Activities Are Conducted Under...

- Exploration License
- Small Miner Exclusion Statement (SMES)
- OperatingPermit

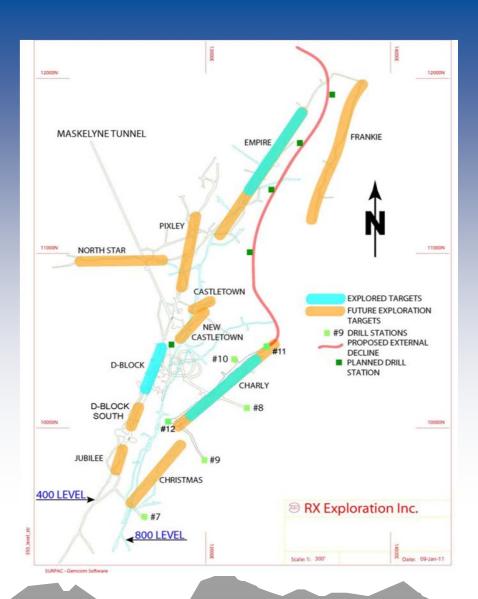


Activities Allowed During Mine Development

	What is permitted?	How long
		does it take?
	Surface exploration	1 – 4 weeks
	 Underground exploration, 	
Exploration License	including 10,000 ton bulk sample	1 – 4 weeks
	 Mine dewatering to facilitate 	
	exploration	3 – 6 months
Small Miners	Two 5 acre mine and milling	DGC has an SMES
Exclusion Statement	sites, separated by 1 mile	
(SMES)	Tailing ponds	3 – 6 months
Operating Permit	All mine facilities, including discharges to groundwater	1 – 3 years

Exploration Activities

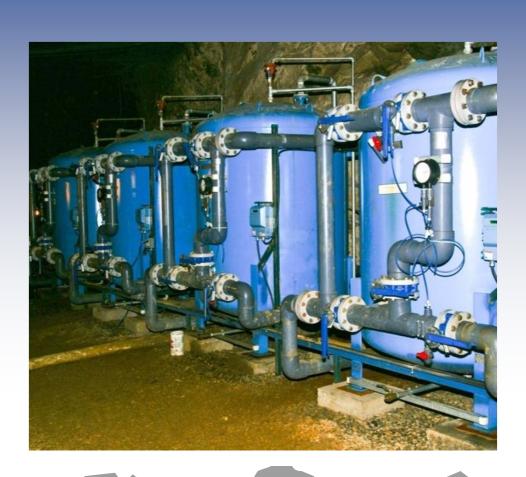
- Initial exploration focused on:
 - Surface exploration
 - Mine dewatering to establish underground drill stations
 - Underground exploration
- Ongoing exploration will combine underground and surface exploration





Exploration Activities - Dewatering

- Dewatering from the 400 level to the 800 level
- Rate up to 400 gpm
- Treatment for arsenic and antimony
- Discharge to groundwater





Small Miner Exclusion Statement

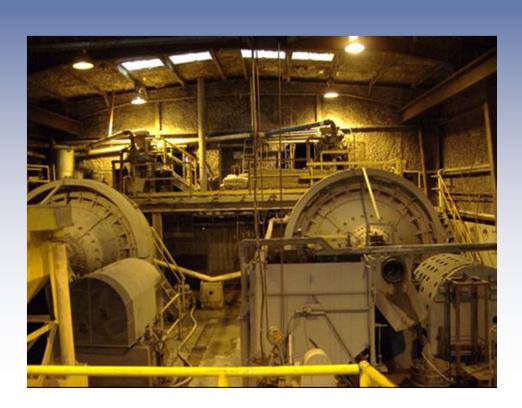
- Mining is being conducted under the SMES
- Ore has been milled at the Phillipsburg mill





Small Miner Exclusion Statement

- DGC has an on-site tailings impoundment with approved design for use under SMES
- DGC is evaluating on-site mill under SMES
- The SMES mill and tailings impoundment must result in less than 5 acres disturbance
- The SMES tailings impoundment will contain 2 years production





Transitioning to the Operating Permit

Drumlummon Gold is completing an application for an operating permit that will include:

- Underground mining at the Drumlummon Mine for approximately a 7-year mine life
- Dewatering to approximately the 1,200 level
- Water treatment
- Waste rock management
- Mill construction and operation
- Tailings impoundment construction and operation
- Concurrent and final reclamation



Operating Permit Application

- EnvironmentalBaselineAssessment
- Plan of Operations
- Reclamation Plan





Operating Permit – Environmental Baseline Assessment

- Historic mining impacts extend from the upper watershed along Silver Creek
 - Extensive historic placer and lode mining
- Montana AML Program completed an extensive assessment of the watershed, providing a robust data set of existing environmental conditions
- DGC continues to collect water level, water quality, and additional data to document baseline conditions



Operating Permit - Plan of Operations

- High grade underground gold / silver veins containing over 1M tons ore
- Mining rate of 500 tpd
- Transport to on-site mill
- Ore storage, crushing,500 tpd mill
- 800,000 cubic yards tailings impoundment – dry stacked tails
- Environmental monitoring





Opportunities Included in the Permit Application

Reclamation of historic mining impacts



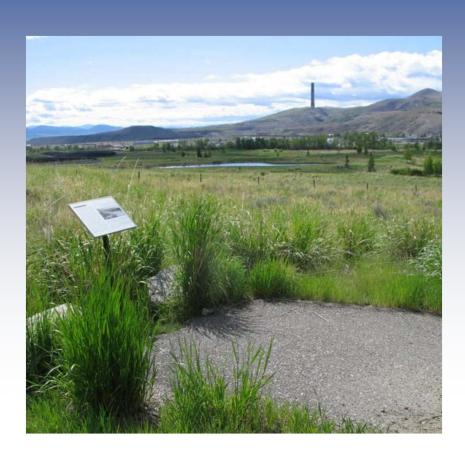


Opportunities included in the Permit Application



Operating Permit - Reclamation Plan

- Mine reclamation
- Surface disturbance reclamation
- Facility decommissioning
- Tailings impoundment concurrent reclamation and final closure
- Concurrent and final vegetative reclamation





Summary

Exploration License:

DGC will continue exploration activities to expand reserves

SMES:

- DGC can continue mining under a SMES,
 ore can be processed at the Phillipsburg mill or Golden Sunlight
- DGC may construct a SMES tailings impoundment, after bonding, with a 2 year tailings capacity
- DGC may construct an on-site mill

Operating Permit:

 DGC anticipates submittal of an operating permit application in the near future targeting a 7-year mine life





CDM