



Comprehensive Lode and Placer Exploration, Development, Mining, and Reclamation Plan of Operations

Phase 1
2024-2030

The Blue Ribbon Mine

Dutch Hills, Alaska

*Pre-Publication Release for Review
Do Not Quote or Cite*

Blue Ribbon Mine, LLC
<https://blueribbonmine.com>

Prepared by Dennis R. Garrett

This Plan is for education and informational purposes only, and does not constitute an offer to sell, a solicitation of an offer to buy, or a recommendation of any security or any other product or service by Blue Ribbon Mine, LLC. All brands, logos and other service marks are the property of their owner and does not constitute an endorsement.

Table of Contents

Introduction	Section 1
Summary	
History and Past Production	Page 1-2
Geography and Environment	Page 1-14
Local Resources and Infrastructure	Page 1-17
Conclusion and Recommendations	Page 1-20
Geology	Section 2
Regional Geology	Page 2-1
Surficial Deposits	Page 2-1
Sedimentary And Volcanic Rocks	Page 2-3
Mineral Deposits	Page 2-13
Geologic Nature of the Mining Targets	Page 2-19
Type of Mining Deposit Targets	Page 2-23
Targets for Immediate Mining	Page 2-26
Origin of the Placer Mining Targets	Page 2-27
Placer Gold/PGE Model 39a	Page 2-34
Low sulfide Gold Quartz veins Model 36a	Page 2-36
Nearby Mines and Prospects	Page 2-42
Exploration	Section 3
Sampling Procedures	Page 3-6
Operations	Section 4
Projected Costs and Income	Page 4-1
Property List	Section 5

Legal Information	Appendix A
Survey Control	Appendix B
References and Acknowledgments	Appendix C
Glossary of Mining Terms	Appendix D
South Denali Environmental Impact Statement	Appendix E
Project report of the airborne geophysical survey for the Chulitna and Petersville mining districts	Appendix F
Tables of Results	Appendix G
Resources/Reserves	Appendix H
Permits Packet	Appendix I

Illustrations, Maps and Images

Introduction

Fig. 1-1: Old workings	Page 1-5
Fig. 1-2: Alaska's Mineral Industry 1994	Page 1-6
Fig. 1-4: 1994 Production Test	Page 1-8
Fig. 1-3-25: Alaska's Mineral Industry 1994	Page 1-7
Fig. 1-5: Current view of historic and active workings	Page 1-9
Fig. 1-6: Example of Tailings piled on pay ground.	Page 1-10
Fig. 1-7: Hand-stacked tailings and worked mining trench	Page 1-11
Fig. 1-8: View west of upper Peters Creek from Gopher Mountain	Page 1-14
Fig. 1-9: View of the Project Area from the Petersville Road	Page 1-15
Fig. 1-10: View of Denali from the Project Area	Page 1-15
Fig. 1-11: Area Location Map	Page 1-18
Fig. 1-12: Access and Topography	Page 1-19
Fig. 1-13: FAA Flight Reporting Points	Page 1-20

Section 2 Geology

Fig. 2-1: Surface Geology	Page 2-2
Fig. 2-2: Tertiary Outcrop	Page 2-3
Fig. 2-3: Contact of the White Quartz Conglomerate	Page 2-4
Fig. 2-4: Unit Kjs	Page 2-6
Fig. 2-5: Auriferous Quartz veins in unit Kjs	Page 2-6
Fig. 2-6: Faults	Page 2-8
Fig. 2-7: 56 Khz Resistivity	Page 2-9
Fig. 2-8: Magnetics	Page 2-10
Fig. 2-9: Calculated Geophysics	Page 2-11
Fig. 2-10: (1-2) Mineral Districts	Page 2-14
Fig. 2-11: (4.2-B(3)) from US Bureau of Mines	Page 2-15
Fig. 2-12: Map showing the local structure	Page 2-16
Fig. 2-13: Known Gold-Bearing Lodes-Potato Patch	Page 2-17
Fig. 2-14: 7200 Hz resistivity	Page 2-18
Fig. 2-15: Geophysics	Page 2-18
Fig. 2-16: White Quartz Pay Zone cut	Page 2-20
Fig. 2-17: Typical Gopher Mountain Gold	Page 2-22
Fig. 2-18: Gold-Bearing White Quartz Conglomerate	Page 2-25
Fig. 2-19: Gold-Bearing Quartz Veins, Endurance	Page 2-29
Fig. 2-20: Gold-Bearing Quartz Veins, Bigtime	Page 2-30
Fig. 2-21: Gold-Bearing Quartz Veins, Bigtime	Page 2-31
Fig. 2-22: Fig. 2-22 Tertiary bedrock	Page 2-32
Fig. 2-23: Settling pond construction	Page 2-32
Fig. 2-24: (195) Typical Placer cross section	Page 2-35
Fig. 2-25: (1) Cross section low sulfide gold deposit	Page 2-39
Fig. 2-26: The Bird Creek Mine	Page 2-41

Section 3

Exploration

Fig. 3-1: D-4 Cat w/Backhoe trenching	Page 3-2
Fig. 3.2: Exploration operations	Page 3-3
Fig. 3-3: Bulk test residual placer	Page 3-4
Fig. 3-2: Bulk-scale testing using a trommel, Blue Ribbon Mine	Page 3-6
Fig. 3-3: Example Flowchart for exploration	Page 3-10

Section 4

Operations

Fig. 4-1: Operations Flowchart	Page 4-4
--------------------------------	----------

Section 5

Property List

Fig. 5-1: Recorded approved survey plat	Page 5-2
Fig. 5-2: Current Status	Page 5-3
Fig. 5-3: Susitna Area Plan	Page 5-4

Appendix A

Legal Information

Fig. A-1-2: Planning Boundary and Regions, Susitna Mat Area Plan	
--	--

Appendix B

Survey Control

Fig. SC1: Common corner Blue Ribbon Mine Lease	Page B-2
Fig. SC2: Sheet 9 U.S. Mineral Survey #2384, 1980	Page B-3
Fig. SC3: Approved Plan of Survey 2017-2021	Page B-4
Fig. SC4: Corner 1 Surprise Claim, U.S. Mineral Survey #2384	Page B-5
Fig. SC5: U.S. Bureau of Land Management monument	Page B-6
Fig. SC6: U.S. B.L.M. Monument	Page B-7
Fig. SC7: Witness Monument, Common Corner	Page B-8
Fig. SC8: Claim corner Potato Patch	Page B-9

Tables

Introduction

Table 1.1: History and Past Production Page 1-3

Section 3

Exploration

Table 3-1: Exploration Criteria The Blue Ribbon Mine
Table 3-2: Summary of Significant Surface Exploration activities
on the Blue Ribbon Mine Page 3-5

Section 5

Property List

Table 5-1: Summary of Blue Ribbon Mine LLC
Mineral Property Holdings Page 5-1

Appendix A

Legal Information

Table A-1: Related Alaska Statutes, Regulations, and Federal law

Appendix H

Resources/Reserves

Table H-1: Resources/Reserves Page H-5