

Personal Correspondence - 25 Jul 1897

From:

Emmett M. Taylor

To:

My dearest sister, Abigail

Subject:

Gold Findings at Bonanza Creek, Yukon

Location:

Bonanza Creek, Yukon Territory

Occupation:

Prospector/Cook, Trail Stop, Bonanza Creek

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English

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Handwritten, letter (approx. 22 cm x 17 cm)

Content:

Dear Abigail,

I hope this letter finds you in good health and spirits. I am writing to you from Bonanza Creek, where I have been working on our claim since May. I am pleased to report that our efforts have been rewarding, and I am writing to share the details with you.

Gold Findings:

Our claim, located 27 Above Bonanza, has been yielding excellent results. We have been using a combination of panning and sluicing methods, with a focus on extracting gold from the gravel. Our measurements indicate that the gold content is approximately 0.5 ounces per cubic yard, with an average particle size of 0.2 mm. This is consistent with the geological surveys we completed prior to staking the claim.

Analytical Methods:

To analyze the gold content, we have been using a combination of fire assay and chemical testing methods. We have also been documenting our findings using a portable microscope, which has been helpful in identifying the presence of other minerals such as pyrite and galena.

Technical Specifications:

Our equipment consists of a 5-foot long sluice box, a 10-foot long pan, and a set of sieves with mesh sizes ranging from 1 mm to 10 mm. We have also been using a combination of water and mercury to extract the gold from the gravel.

Data-Driven Findings:

Our data indicates that the gold content in the gravel is highest in the areas with the highest concentration of quartz. We have also observed that the gold content decreases with increasing distance from the Discovery Claim. Our measurements suggest that the gold content is approximately 0.3 ounces per cubic yard at 50 feet from the Discovery Claim, compared to 0.5 ounces per cubic yard at 20 feet.

Conclusion:

In conclusion, our findings suggest that our claim at Bonanza Creek has excellent potential for gold production. We are confident that with continued efforts, we will be able to extract a significant amount of gold from the gravel. I will continue to keep you updated on our progress and look forward to sharing more news with you in the coming weeks.

Best regards,

Emmett M. Taylor

Addendum:

Please note that I have included a detailed sketch of our claim layout, including the location of the sluice box, pan, and sieves. I have also included a sample of the gold-bearing gravel for your reference.

Sketch of Claim Layout:

[Sketch included in the original letter]

Sample of Gold-Bearing Gravel:

[Sample included in the original letter]

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This letter provides a detailed account of the technical specifications, analytical methods, and data-driven findings of Emmett M. Taylor's prospecting efforts at Bonanza Creek. The letter highlights the

importance of technical accuracy and attention to detail in prospecting, as well as the need for careful analysis and documentation of findings.