UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

October 24, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 1874, Ancient River Channels Gold Mining Co., applicant, Mineral Hills Uranium Prospects, Piute County, Utah.

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $53,500 be denied.

The brochure is enclosed.

for Paul Wallace
J. H. East, Jr.

A. H. Koschmann
A. H. Koschmann

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Administration

200 New Customhouse
Denver 2, Colorado

October 22, 1951

Memorandum

To: DMA Field Team, Region I

From: A. H. Koschmann

Subject: DMA Docket 1874, Mineral Hills Prospect, Piute County, Utah

Enclosed are 10 copies of the geologic report by W. H. Johnson and B. J. Sharp of the U. S. Geological Survey, covering the above docket. It has been recommended that the loan be denied.

No U. S. Bureau of Mines engineering report is to be submitted.

The brochure is enclosed.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Room 307, 320 South Main
Salt Lake City 1, Utah
16 October 1951

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: Ralph J. Roberts

Subject: Docket DMA 1874, Mineral Hills Prospect, Piute County, Utah.

Enclosed are 10 copies of a geologic report on Docket DMA 1874, Mineral Hills Prospect, Piute County, Utah.

Mr. T. E. Berry of the Ancient River Channels Gold Mining Company has applied for an exploration loan of $53,500 (government participation of $48,150) to explore six mineral claims in the Durkee Mining district, Piute County, Utah, for uranium ore.

No uranium ore was observed in any of the present mine workings. The mineral assemblage that usually accompanies uranium in the district was not found in the workings on the Mineral Hill claims. The present available evidence is insufficient to warrant government participation in further exploration of this property. It is recommended that the application for an exploration loan be denied.

I concur with the recommendations of the examining geologists.

This examination was made by the U. S. Geological Survey; no U. S. Bureau of Mines engineering report is to be submitted.

for - Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA 1874, Mineral Hills Prospect

Piute County, Utah

V. H. Johnson and B. J. Sharp, Geologists
U. S. Geological Survey

October 18, 1951

CONTENTS

	Page
Introduction	1
Location and Accessibility	1
History and Ownership	1
Geology	2
Ore Deposits	2
Ore Reserves	3
Proposed Exploration	3
Summary and Conclusions	3

ILLUSTRATIONS

Figure 1. Index map of Utah.

Docket DMA 1874, Mineral Hills Prospect

Piute County, Utah

INTRODUCTION

Mr. T. H. Berry, President of the Ancient River Channels Gold Mining Co., DMA Docket 1874, has applied to the Defense Minerals Administration for a loan to explore for uranium ore on the Mineral Hill group of claims.

In response to a request from the Field Team, Region IV, dated August 2, 1951, Vard H. Johnson and Byron J. Sharp of the U. S. Geological Survey visited the property on September 5, 1951, to determine if the proposed exploration has merit. Mr. Roger Caywood of the AEC accompanied the examiners. The geological report by F. W. Christiansen, which accompanies the application, is used as a reference in this report.

Location and Accessibility

The Mineral Hills claims are in secs. 3 and 4, T. 27 S., R. 3 W., Salt Lake Base and Meridian. They are approximately 4 miles northeast of Marysvale, Piute County, Utah, and are accessible by a graded road. The road can be easily maintained except in the most extreme weather.

History and Ownership

Date of filing the claims is not given in the application. The claims, according to a letter accompanying the docket, were filed by Ford T. Frost and sold to Mineral Hills Uranium Company (Adrian W. Cannon, President) from whom the Ancient River Channels Gold Mining Company is Lessee. The lease is dated November 15, 1950.

GEOLOGY

The oldest rocks in the district are the Bullion Canyon volcanic series, of Tertiary age composed mostly of latite. These volcanics are intruded by monzonite and granite. Uranium ores occur mostly in fissure veins in the monzonite, but may extend into the granite or latite.

The Mineral Hills claims are near the southeast edge of the exposed intrusive bodies. Rocks at the surface and in the mine workings are dominantly latite. The geologic maps accompanying the application show monzonite in and below an open pit. The rocks are altered and the presence of monzonite was not observed. Most of the alteration is alunitization which is not generally associated with uranium ores in this district.

ORE DEPOSITS

The mineral assemblage that usually accompanies uranium mineralization in this district is autunite, schrockingerite, and pitchblende. Gangue minerals include quartz, adularia, fluorite, ilsemanite, jordisite, calcite, pyrite, marcasite and hematite. This mineral assemblage was not found in the workings on the Mineral Hills claim.

The only vein material at the Mineral Hills prospect is a pegmatite-like vein composed of feldspar, biotite, magnetite, and martite. The vein which is exposed in the open pit, occupies an irregularly curving fissure that is not intersected in the lower tunnel. No schrockingerite, as is commonly found in mine openings throughout the district, was detected on the walls of the mine openings at the Mineral Hills prospect.

AEC analyses of samples from "high count" locations in the open pit showed 0.01 to 0.02 U_3O_8 and 0.07 to 0.27 thorium. This indicates that the radiation is due mostly to the presence of thorium rather than radium.

Alunitization is the dominant form of alteration and is not generally associated with uranium in this district.

ORE RESERVES

The material on the Mineral Hill Group of claims is not of commercial grade. There are no ore reserves.

PROPOSED EXPLORATION

The applicant proposes to diamond drill and extend the present workings but does not have any definite plan of operation. Furthermore, no monzonite, which is the host rock for uranium ore elsewhere in the district, is likely to be found if exploration from the present workings were continued.

SUMMARY AND CONCLUSIONS

T. H. Berry, President, Ancient River Channels Gold Mining Co., has filed an application for an exploratory loan of $53,500.00, with government participation of $48,150.00 to be used to further explore the six Mineral Hills claims in the Durkee mining district, Piute County, Utah. Proposed exploration work would consist of core drilling and extending the present workings to search for uranium.

No uranium ore was observed in any of the present workings. Geiger counter readings showed the material in the open cut to be only slightly above the background count. The mineral assemblage which usually accompanies uranium mineralization in this district was not found in the workings on the Mineral Hills claims.

In the opinion of the examining geologists, the present available evidence is insufficient to warrant government participation in further exploration of this property. It is therefore recommended that the application for an exploration loan be denied.

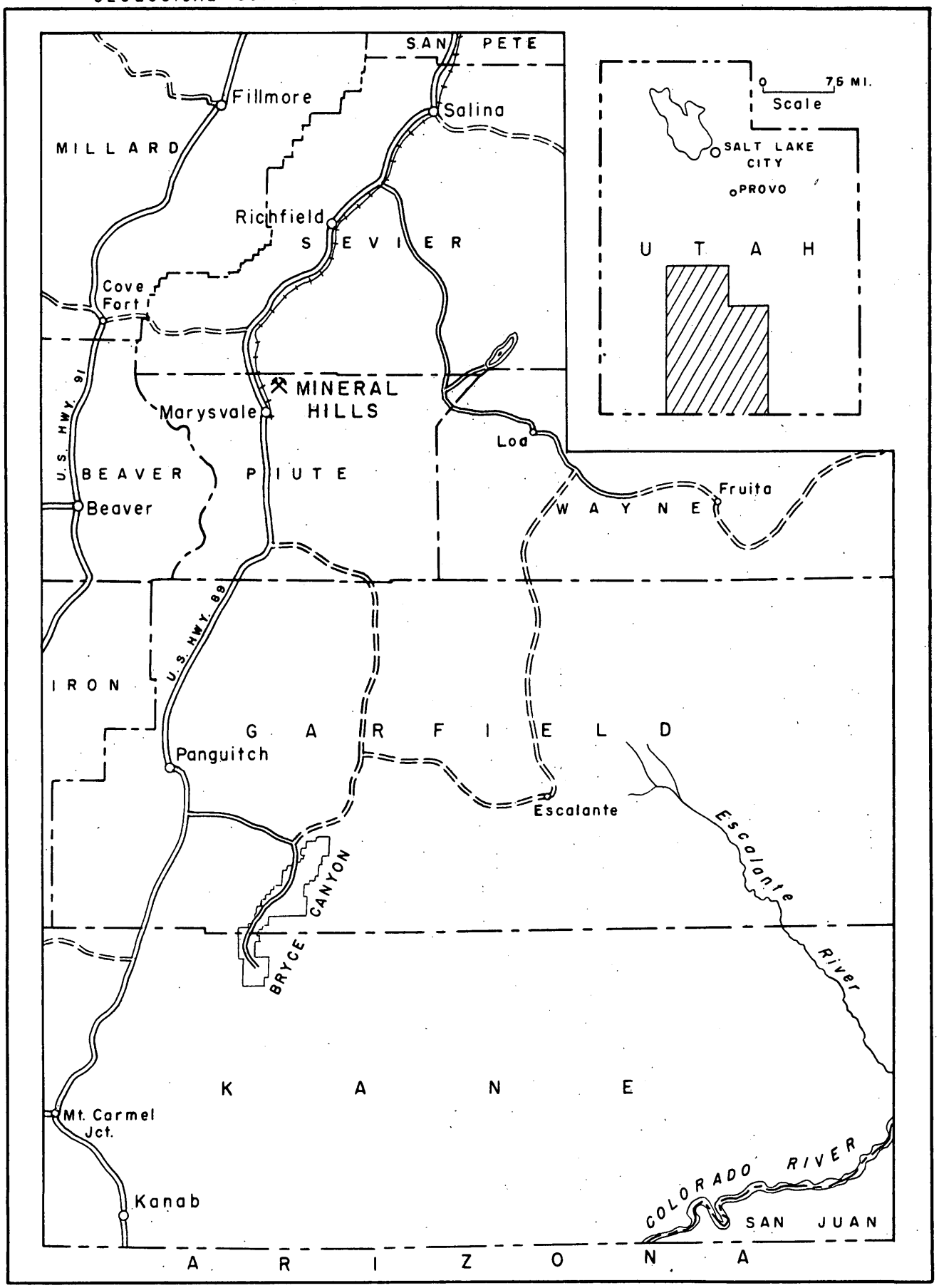

FIG. 1 INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

DMA

NOV 1 1951

OFFICE
REGION IV
NOV 5 - 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. Thomas M. Berry
Ancient River Channels Gold Mining Co.
Suite 1, Garnet Building
Las Vegas, Nevada

Re: DMA-1874
Uranium

Dear Mr. Berry:

Your application of July 16, 1951, for an exploration loan in the amount of $53,500.00, has been carefully reviewed by the Minor and Rare Metals Branch of the Supply Division.

We regret to advise that your application must be denied at this time because of insufficient evidence to indicate the geologic probability of making a significant discovery.

Should evidence obtained in the future be of such nature as to alter this opinion, we would gladly consider a new application.

Yours very truly,

Tom Lyon

W-6111

Tom Lyon, Director
Supply Division

Eberdon/mh 10-30-51
cc: Adm. Re d. File
DMA docket file
Kaiser, USGS
Hosted, USGS
Lyon
Field team, IV
Minor and Rare metals

Hosted

JME
9-7-5-

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

NOV 1 1951

Chief Division IV
NOV 5 - 1951
Bureau of Mines

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: DMA docket 1074
Uranium, Ancient River Channels Gold Mining Co.

Under date of July 16, 1951, DMA docket 1074, Mr. Thomas H. Berry, Suite 1, Vernet Building, Las Vegas, Nevada, submitted the subject application, for an loan in the amount of $53,500.00.

Attached hereto find letter of even date addressed to applicant advising that the application must be denied, basing this action on the field team's recommendation, the reviewers for B.M.M., A.M.D. and D.M.A. concurring in same.

Complete docket is attached comprised of the following:

(a) 1 copy of letter to Mr. Berry dated 9-20-51.
(b) 1 copy of letter from Acting Secretary of Interior to Senator McCarran.
(c) 1 copy of letter from Senator McCarran to Oscar Chapman.
(d) 2 copies of letter from Mr. Lyon to Mr. Berry.
(e) 2 copies of letter from Mr. Grebel to Mr. Berry acknowledging application.
(f) Letter from Mr. Berry to Mr. Bourret.
(g) 3 copies of forms MV-103
(h) Copies of exhibits.
(i) 1 copy of field report.

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals

Enclosure

MGerson/mb 10-30-51
cc: Adm. Assd. File
DMA docket file
Lyon - Minor and Rare Metals
Kaiser, USGS
Hosted, USGS
Field team IV

Director, Supply Division

224 New Customhouse
Denver 2, Colorado

October 23, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region 8T

Subject: DMA Docket 1878, Indian Mary Minerals Gold Mining Co., applicant, Mineral Hill Placer Prospects, Mono County, Calif.

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendation of the examining team that the application been of 163,600 be denied.

The brochure is enclosed.

for [signature]
[illegible]

[signature]
[illegible]

Enclosure

WDM:oj
cc: DMA subject, chron.
AHKoschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REFERENCE SLIP

DATE 9/24/51

REFERRED TO:

1. ~~Allsman~~ PH
2. East
3.
4.

FOR: U.S.G.S. examined alone report expected week of Sept. 24

- Action
- Approval
- Comment
- Conference
- Consideration
- Filing
- Instructions
- Investigation
- Initials
- Mailing
- Previous correspondence
- Recommendation
- Record of
- Referring to
- Reply for signature of PH
- Rewriting
- Signature
- Suggestions
- Your information

REMARKS: DMA 1874, Ancient River Channels Gold, Piute County, Utah---What is the present status on this?
)Carbon Copy of
(Letter to Berry, Pres., from Bourret)

Check (X) before the items needing attention.

JHE
Initials of sender.

GPO 16—51162-1

Allsman
What is the present status today
JHE

330

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

SEP 20 1951

CHIEF DIRECTOR'S OFFICE
REGION IV
SEP 24 1951
BUREAU OF MINES
DENVER, COLORADO

Weston Bourret

Copies - 1
Bron
Bourret
Chief Town -
A Docket File

August 10, 1961

Memorandum

To: S. K. Wilson (with brochure)

(Through Chief, Mining Division)

Ralph Roberts

From: BSR Field Team, Region IV

Subject: BSR Docket 1674, Ancient River Channels Gold Mining Co., (Mountain) Mineral Hills Mining Claims, Piute County, Utah

Enclosed is the brochure on the above application for an exploration loan for $53,500.

A field examination will be required. Please return the brochure with your report.

J. H. Eck, Jr.

A. H. Koschmann

Enclosure

ld

cc: BSR
Koschmann