UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Nov - 7 1955

Mr. H. A. Savage
Attorney at Law
815-816 Helm Building
Fresno, California

Re: Docket No. DMEA-3890
Quartz Crystal
John H. Medley and H. A. Savage
White Quartz Mine (Pincushion)
Fresno County, California

Dear Mr. Savage:

Reference is made to your letter of October 19, 1955, reporting the results of your exploration since the field team examination, as well as the results of check quality testing, and commenting favorably on the Exploration Program.

A careful review of the field team examination and other available data indicated that exploration assistance requested in your application was not warranted, therefore, your application was denied by our letter of September 9, 1955.

This office interpreted your telegram of July 28, 1955, as notice that the property was ready for a field team examination. We regret that such was not the case. However, your report on the results of the work performed by you subsequent to the field examination apparently confirmed our decision. A denied application may always be reopened, if new factual information has been obtained by requesting reconsideration, submitting the new data, and referring to the original application by docket number. If you may such a request you should include the following information.

Since the quality of small fractional crystals of piezo electric quartz has been partially established by the routine laboratory testing, the factual data should be confined to the quantitative information obtained from the tunnel work and any new work performed by you. Also, furnish a statement on the dimensions of the excavation in quartz in the tunnel and, if available, the total weight and number of plus 100, minus 200 grams clear crystal fragments recovered and the number and total weight of partial crystals in excess of 200 grams recovered from this excavation. A sketch map should be provided showing the relation of the new work to that in existence when

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Nov - 7 1955

Mr. H. A. Savage
Attorney at Law
215-216 Helm Building
Fresno, California

Re: Docket No. FMLA-2590
Quartz Crystal
John H. Medley and H. A. Savage
White Quartz Mine (Tinemaha)
Fresno County, California

Dear Mr. Savage:

Reference is made to your letter of October 19, 1955, reporting the results of your exploration since the field team examination, as well as the results of check quality testing, and commenting favorably on the Exploration Program.

A careful review of the field team examination and other available data indicated that exploration assistance requested in your application was not warranted, therefore, your application was denied by our letter of September 9, 1955.

This office interpreted your telegram of July 23, 1955, as notice that the property was ready for a field team examination. We regret that such was not the case. However, your report on the results of the work performed by you subsequent to the field examination apparently confirmed our decision. A denied application may always be reopened, if new factual information has been obtained by requesting reconsideration, submitting the new data, and referring to the original application by docket number. If you may such a request you should include the following information.

Since the quality of small fractional crystals of piezo electric quartz has been partially established by the routine laboratory testing, the factual data should be confined to the quantitative information obtained from the tunnel work and any new work performed by you. Also, furnish a statement on the dimensions of the excavation in quartz in the tunnel and, if available, the total weight and number of plus 100, minus 200 grams clear crystal fragments recovered and the number and total weight of partial crystals in excess of 200 grams recovered from this excavation. A sketch map should be provided showing the relation of the new work to that in existence when

the field team examination was made. In particular, the dip distance of the tunnel intercept below the former workings should be shown.

The Defense Minerals Exploration Administration appreciates your favorable comments on its program and regrets that the examination was made before the property was properly prepared.

Sincerely yours,

Administrator

LGHouk:FEJohnson:gad 11/7/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Field Team, Region II

the field been examination was made. In particular, the 30' distance of the tunnel intersect below the tunnel workings should be shown.

The Defense Minerals Exploration Administration appreciates your favorable comments on its program and regrets that the examination was made before the property was properly prepared.

Sincerely yours,

Administrator

LHOwk:Mlohnson:ed 11/7/55
Copy to: Adm. R. File
Docket
Operating Committee
Mr. Killingsworth, DMEA
Mr. Sherrick, DMEA
Mr. Hunt
Field Team, Region II

(63)

SEP - 9 1955

Messrs. John H. Medley and
H. A. Savage
815 Main Building
Fresno, California

Re: Docket No. [illegible]
(Quartz Crystal)
John Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of quartz crystal by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

E. O. Mittendorf

Administrator

JHopkins:pk 9/6/55
Copy to: Admr. R. File
Docket
Operating Committee
[illegible]
Field Team, Region II
Mr. Killingsard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Messrs. John H. Medley and
H. A. Savage
815 Helm Building
Fresno, California

Re: Docket No. DMEA-3890
(Quartz Crystal)
John Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of ~~mica~~ quartz crystal by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

Administrator

September 1, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-3890 Quartz Crystal
   Property: White Quartz Claim T55, R26E M D B & M
   815 Helm Building
   Fresno, California
   Application: MF-103 dated July 2, 1955
   Work proposed:

| | |
|---|---|
| Bulldozing to expose vein | $ 2,000.00 |
| D. D. holes 2000 feet @ $5.00 | 10,000.00 |
| Camp facilities | 2,000.00 |
| Chain saws to remove timber | 450.00 |
| Incidentals | 400.00 |
| Total estimated cost | $14,950.00 |

   No contract: Application denied

2. Comments:
   The White Quartz prospect contains a small amount of questionable commercial grade piezoelectric quartz. The results of the examination indicate that this deposit is a small pegmatite dike in granitic rock and will not continue on strike or down dip.
   The material from the quartz outcrop had been previously tested by the Component Division of the United States Army Signal Corps, Fort Monmouth, New Jersey.
   The program proposed by the applicants was based on the assumption that quartz of suitable grade would be found in large unfractured masses below the zone of surface weathering. The Field Team concludes that this assumption has no basis in geologic fact as revealed by study of other pegmatite dikes. They also conclude that exploration is almost certain to reveal that the deposit is a small quartz-rich core of a dike that does not continue more than a few feet down the dip or along the strike and that the material below the outcrop is of the same general character as that exposed at the surface.

The material sent to Army Signal Corps was cut and processed into 0.55 inch blanks and was stated to be of excellent quality although the yield was only about 25 blanks per pound of material wheras the normal yield of Grade 1 quartz is 60 to 65 blanks per pound.

The Nonmetallic Minerals Division, DMEA concur in the Field Team's recommendation that the application be denied.

The Commodity Divisions of the Geological Survey and Bureau of Mines also concur in the recommendation of denial.

JHopkins:pl 9/1/55
Copy to: Admr. R. File
Docket
Mr. Houk
Mr. Hopkins

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG 30 1955

August 30, 1955

Re: DMEA 3090
Medley and Savage
Quartz Crystal
Fresno Co., Calif.
$14,950 - Quartz

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The application asked for aid in exploring a zoned pegmatite dike, a small part of the quartz core of which is of piezoelectric quality.

The conclusions of the examiners are well taken. Such exceeding care has to be taken in breaking such material in order to preserve its quality, there may be a question as to its minability. Since the applicant is able and willing to do some prospecting, a possible work program under DMEA could come later.

I concur with the denial recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/30/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
AUG 31 1955

August 30, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3890 (Quartz Crystal)

Applicant: J. H. Medley and H. A. Savage

Name and Location of Property: White Quartz Mine, Fresno Co., Calif.

Date of Field Team Report: 8/18/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/30/55

Field Team Recommendation: Recommend denial of program.

Comments:

1. The clear piezoelectric-grade quartz lacks any crystal faces and occurs in angular fragments which would make proper orientation for processing difficult.

2. Results by the Squier Laboratories indicate the quartz is of good grade but the yield of blanks is low.

3. National Stockpile Specifications call for 100 gram minimum for faced crystals and 200 gram minimum for unfaced crystals.

4. Geologic evidence does not support an extensive exploration program.

Recommendation: In view of the small size of the crystals and the lack of crystal faces, I concur with the field team's recommendation of denial.

SIGNED

W. F. Dietrich

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

1605 Evans Avenue
Reno, Nevada

August 22, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3890 - (Quartz Crystal)
John H. Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Reference is made to your letter of July 25, 1955 regarding a field examination of above subject property.

Attached are four copies of a report by J. D. Warne, Bureau of Mines and H. K. Stager, Geological Survey recommending that exploration aid by the Government be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker

DENIAL

Attach.

SRicker:gh
cc: R. M. Smith
File

RECEIVED
AUG 24 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

# APPLICATION REPORT

DMEA-3890 (Quartz Crystal)
John K. Medley and H. A. Savage
White Quartz prospect, Fresno County, California

by

J. D. Warne
Mining Engineer
U. S. Bureau of Mines

H. K. Stager
Geologist
U. S. Geological Survey

August 18, 1955

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## ILLUSTRATIONS


Figure 1. Location map, White Quartz claims, Fresno County, California.

2. Geologic sketch map of the White Quartz prospect, Fresno County, California.

## INTRODUCTION

Messrs. John H. Medley and H. A. Savage, 815 Helm Building, Fresno, California, applied for Government assistance in a $14,950 program under the Defense Minerals Exploration Administration, docket number 3890, to explore for piezoelectric quartz crystal at the White Quartz prospect, Fresno County, California. The applicants estimate that quartz crystal suitable for piezoelectric use is present in commercial quantity on the White Quartz claim and wish to explore a pegmatite dike that crops out on the claim.

A field examination was requested by the Operating Committee, and was made by H. K. Stager of the Geological Survey and J. D. Warne of the Bureau of Mines on August 3, 1955, accompanied by the applicants.

Inasmuch as the material from the quartz outcrop on the property had been previously tested by the Component Division of the U. S. Army Signal Corps, Fort Monmouth, New Jersey, only specimen material was collected by the examiners.

A sketch map (fig. 2) was made by the examining geologist to show the geologic relationships of the deposit.

The property was also examined in 1954 by Mr. Frank J. Wiebelt of the Bureau of Mines.

## CONCLUSIONS AND RECOMMENDATIONS

The White Quartz prospect contains a small amount of questionable commercial grade piezoelectric quartz. The results of the examination indicate that this deposit is a small pegmatite dike in granitic rock and will not continue on strike or down dip.

The applicants proposed to explore the deposit by bulldozing and diamond drilling. At the time of the examination the applicants had completed the bulldozing and planned to sink a 20 to 30 foot prospect pit to explore the deposit down the dip of the dike. If the prospect pit exposes quartz of commercial grade they desire DMEA assistance in a program consisting of diamond drilling, shaft sinking, and drifting.

The entire program is based on the assumption that quartz of suitable grade will be found to occur in large unfractured masses below the zone of surface weathering. This assumption has no basis in geologic fact as revealed by study of other pegmatite dikes. Exploration is almost certain to reveal that the deposit is a small quartz-rich core of a dike that does not continue more than a few feet down the dip or along the strike and that the material below the outcrop is of the same general character as that exposed at the surface.

It is recommended that Government assistance under the DMEA program be denied.

## LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The White Quartz claim is in T. 5 S., R. 26 E., M.D.B.&M., in the Sierra National Forest, near the northern boundary of Fresno County, California (fig. 1). It is on the west flank of Pincushion Peak at an altitude of about 8,000 feet.

To reach the claim, which is 113 miles northeast of Fresno, the nearest supply center, go northeast on paved highway California 168 for 99 miles to Vermillion Dam on the South Fork of the San Joaquin River, then west 14 miles on a mine access road. The last 14 miles

is rough dirt road with steep grades and requires a four-wheel-drive vehicle. The drive from Fresno to the property usually requires about 6 hours.

The area is inaccessible because of deep snow cover from November to June.

Working season is about 5 months per year.

Labor - available in Fresno and Sierra foothill towns.

Water - ample supply available on the property.

Power - must be supplied by gasoline or diesel generator.

Timber - ample supply available on the property.

Explosives - available in Fresno.

Mail - post office at Huntington Lake, California a distance of 45 miles.

Telephone - at Huntington Lake.

## HISTORY AND PRODUCTION

The White Quartz claim was located by Mr. John H. Medlay, one of the applicants, in 1953. A 1½ mile access road was constructed to the property during the summer of 1954. Some bulldozer work was performed on the claim during July of 1955. There has been no production from the property.

## PROPERTY AND OWNERSHIP

The property consists of a single unpatented mining claim known as the White Quartz #1 claim, recorded November 13, 1953 in book 3369, page 692 in the Fresno County, California records. This claim is owned by Mr. John H. Medlay, who has conveyed 50 percent ownership to

Mr. H. A. Savage. The mailing address of the applicants is 815 Helm Building, Fresno, California.

Mr. Savage, who is an attorney in Fresno, California, has had several years' experience in mining as owner of the Strawberry and Mud Lakes tungsten properties in the Fresno area. His record in connection with previous DMEA loans is excellent; however, the applicants have had very little practical mining or exploration experience.

## DEVELOPMENT

No mine plant buildings or housing facilities are located on the property, but a tent camp has been set up about one mile from the mine. The equipment at the mine consists of only a few hand tools.

Previous exploration operations consisted of bulldozing an area about 200 feet in diameter around and adjacent to a pegmatite dike in the center of the claim.

The operator plans to sink a shallow test pit within the "hanging wall" of the dike to determine the dip and continuity of the deposit.

## GENERAL GEOLOGY

The White Quartz prospect is in an area of high relief in the Sierra Nevada and the surface is almost completely covered with slope wash and alluvium which is over 20 feet thick in the prospect area. The rocks exposed in the vicinity of the prospect are granitic rocks of the Sierra Nevada batholith.

The granitic rock in the prospect area is a light-gray, medium-grained granodiorite. It weathers readily and does not form outcrops. It is covered by flows of volcanic rock east of the prospect area and

boulders of basalt and andesite are common in the slope wash.

A small pegmatite dike that strikes about N. 30° W. and dips 35° to 45° NE. crops out in the center of the White Quartz claim (fig. 2). It is within the quartz-rich center of this pegmatite dike that clear piezoelectric-grade quartz occurs.

## THE DEPOSIT

The White Quartz deposit is a massive, quartz-rich pegmatite dike that contains some clear quartz suitable for piezoelectric use. The dike has been exposed for a strike length of about 40 feet and is about 8 feet thick (fig. 2). The clear quartz is in small highly fractured pods from a few inches to 2 feet in diameter erratically distributed in the massive quartz and comprises about one percent of the dike. Most of the clear quartz is in angular fragments less than one inch in diameter and weighing less than one ounce although some fragments as much as several inches in diameter and weighing as much as six ounces were observed. There are no crystals or crystal faces in the clear material. The only crystals present are small smoky quartz and feldspar crystals. Some of the best material exposed on the outcrop was sampled by the Bureau of Mines and sent to the U. S. Army Signal Corps laboratory at Fort Monmouth, New Jersey. The material was cut and processed into 0.55 inch blanks and was stated to be of excellent quality although the yield was only about 25 blanks per pound of material whereas the normal yield of Grade 1 quartz is 60 to 65 blanks per pound.

There has been no production of piezoelectric quartz from the White Quartz claim and inasmuch as processors of quartz crystal for piezoelectric use require at least one crystal face or material in large unfractured pieces it is not probable that a market could be found for this type of material.

## SAMPLING

Specimen samples of the clear, least fractured, and most transparent type of quartz were taken for possible future appraisal by the Government. Samples of "smoky" or "cloudy" varieties which predominate within this deposit were also taken.

A report covering the examination and evaluation of two quartz samples from this deposit by the Signal Corps Engineering Laboratories, Fort Monmouth, New Jersey, indicated that some of the material could be considered for piezoelectric use.

## RESERVES

There are no measured or indicated reserves of piezoelectric-grade quartz on the White Quartz claim. A reserve of a few tens of pounds of unfractured quartz in fragments weighing from 3 to 7 ounces each is inferred for the deposit. This material may be found by careful mining and sorting of the quartz-rich core of the pegmatite.

## PROPOSED EXPLORATION

The applicants originally proposed a program consisting of bulldozing and diamond drilling to delimit the deposit. Total cost of the program was estimated to be about $14,950. Since submitting the

application the applicants have completed the bulldozing and are planning to sink a 20 to 30 foot prospect pit about 40 feet from the outcrop to explore the deposit down the dip of the dike. If the prospect pit, to be put down at the applicants expense, exposes quartz of commercial grade they desire DMEA assistance in a program consisting of about 1,000 feet of diamond drilling followed by additional underground exploration by 100 feet of shaft and 100 feet of crosscutting or drifting. The amount and estimated cost of the proposed work is as follows:

| | |
|---|---|
| Diamond drilling - 1000 ft. at $7.50/ft. | $7,500 |
| Shaft sinking - 100 ft. at $50.00/ft. | 5,000 |
| Crosscutting or drifting - 100 ft. at $30.00/ft. | 3,000 |
| Miscellaneous - Camp, boarding of men, and transportation | 4,500 |
| Total estimated cost | $20,000 |

The size and character of the deposit does not warrant an exploration program of this type. A little additional trenching and the sinking of a prospect pit will adequately test the material in the deposit. Experience gained by the exploration of other pegmatite dikes has shown that the character of the massive quartz is not greatly affected by surface weathering and that it will be no less fractured at depth.

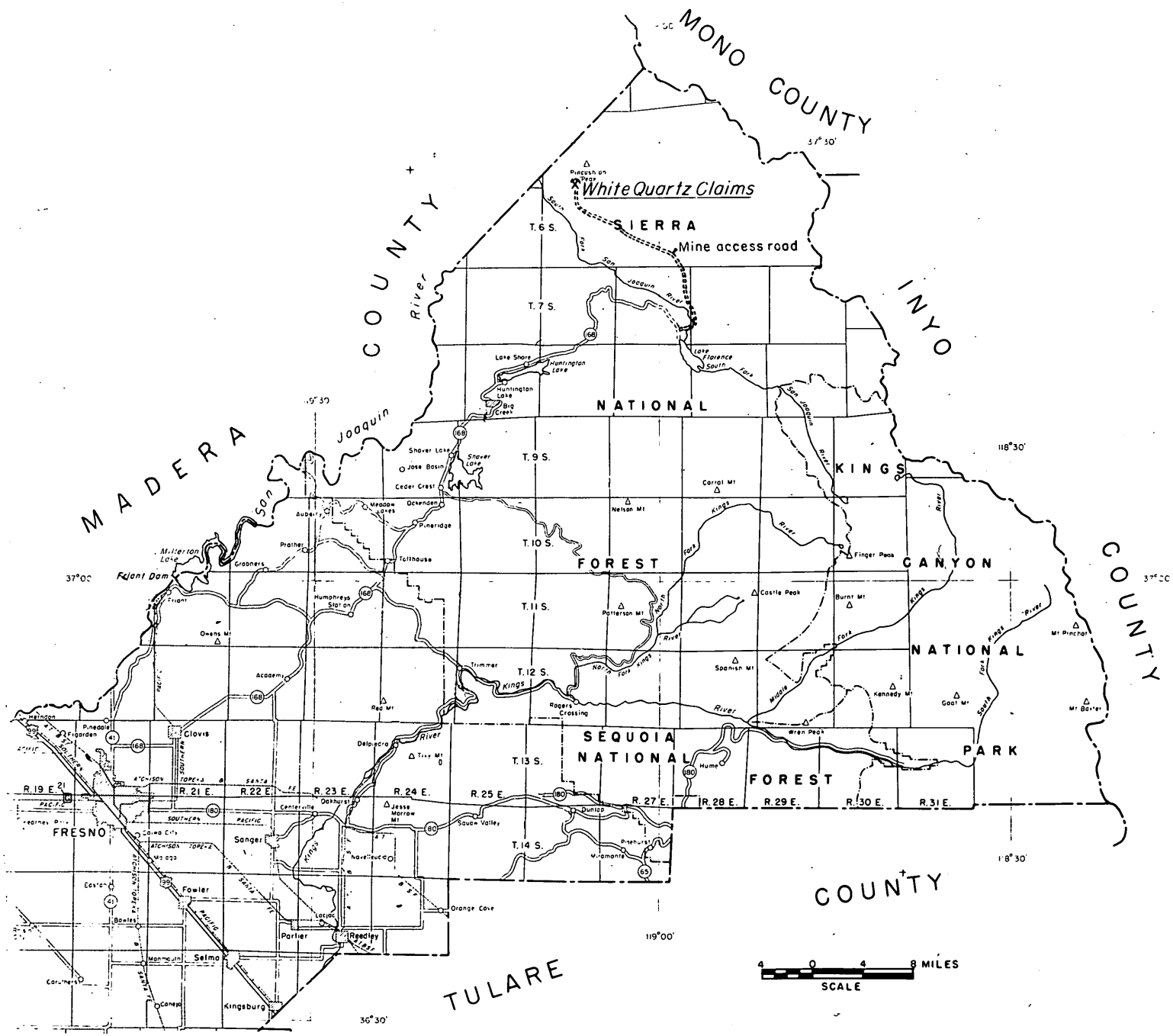
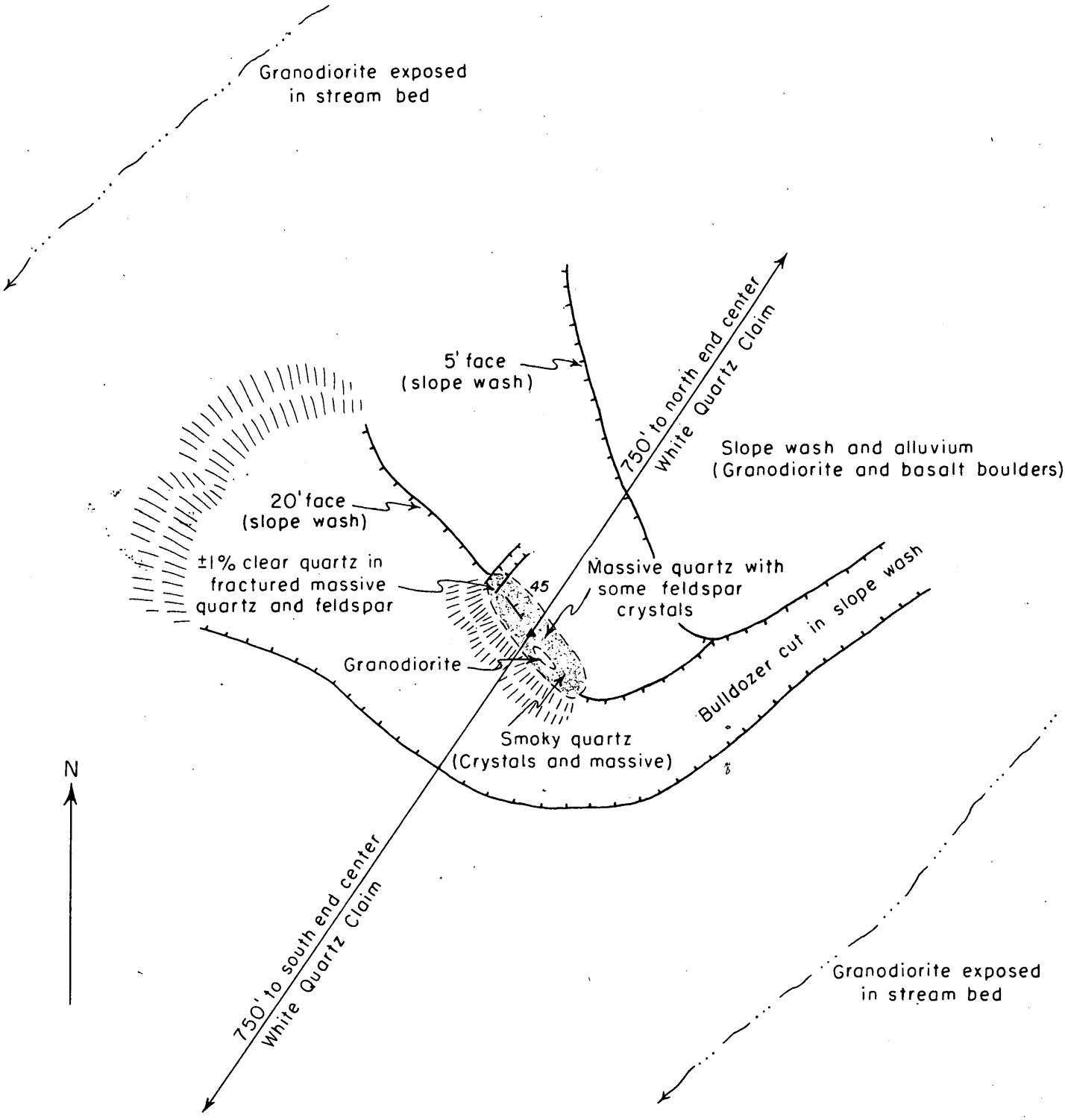



FIGURE 1.- LOCATION MAP, WHITE QUARTZ CLAIMS, ~~KINGS CO~~ FRESNO COUNTY, CALIFORNIA




GEOLOGIC SKETCH MAP OF THE WHITE QUARTZ PROSPECT
FRESNO COUNTY, CALIFORNIA

40 0 40 80 Feet

Figure 2

Hopkins 1-2974
No. 4451

Interior
Defense Minerals Exploration
Administration

14X4401(01) Revolving Fund,
Defense Production Act, Interior
(Allocated Working Fund to the Office of
the Sec.)

COLLECT

Mr. H. A. Savage
815 Helm Building
Fresno, California

JUL 29 1955

Reserval Docket No. DMEA 3890 application referred to Region II, Reno, Nevada July 25. Letter mailed to you same date advising this action.

C. O. Mittendorf

C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration

JHopkins:gad 7/29/55
Copy to: Admr. R. File
Docket
Field Team, Region II
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

600

JUL 2 5 1955

Messrs. John H. Medley and
H. A. Savage
#13 Helm Building
Fresno, California

Re: Docket No. DMEA-3890
(Quartz Crystal)
John Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Spangler Rieker, Executive Officer, DMEA Field Team, Region II, U. S. Bureau of Mines, Rare and Precious Metals Experiment Station, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

It is noted in your application that you list Mr. John H. Medley, Owner, and Mr. H. A. Savage, Operator. It is not clear to us whether this is a partnership applying for exploration assistance or whether the contract is to be with Mr. H. A. Savage. In case the contract is to be with Mr. Savage, we will require six copies of the enclosed Consent to Lien forms executed by Mr. John H. Medley with a copy of a lease or other instrument as evidence that Mr. Savage has sufficient interest in the land for the purpose of an exploration project.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures 6

JHopkins:gad 7/22/55
Copy to: Admr. R. File
Docket
Field Team, Region II
Operating Committee
Mr. Kiilsgaard, 5222 Mr. Hopkins
Mr. Dietrich, 3061 Mr. Houk

600

JUL 2 5 1955

Mr. Spangler Ricker
Executive Officer, DMEA
Field Team, Region II
U. S. Bureau of Mines
Rare and Precious Metals
Experiment Station
1605 Evans Avenue
Reno, Nevada

Subject: Docket No. DMEA-3890
(Quartz Crystal)
John H. Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Dear Mr. Ricker:

The captioned application is referred to Region II Field Team for either a field examination and report on the proposed project or your recommendations based on information available to your office.

Enclosed are copies of memoranda from Mr. W. F. Dietrich, dated July 12, 1955, and Mr. H. E. Nelson, dated July 15, 1955, members of the Quartz Crystal Commodity Committee. If the Field Team recommends an exploration program approved by the applicant, please furnish us the necessary information to draft a contract. In this connection please furnish nine copies of a map showing the proposed work, quartz crystal vein exposures, and the boundaries of the mining claim.

You will note in our letter to the applicant that we have requested clarification of the question as to who will be the Operator.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

JHopkins:gad 7/22/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hopkins
Mr. Houk

Messrs. John H. Medley and
H. A. Savage
815 Helm Building
Fresno, California

Re: Docket No. DMEA-3890 - Quartz Crystal
John H. Medley and H. A. Savage
White Quartz Mine
Fresno County, California

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, U. S. Bureau of Mines, Rare and Precious Metals Experiment Station, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

OK

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

It is noted in your application that you list Mr. John H. Medley, Owner, and Mr. H. F. Savage, Operator. It is not clear to us whether this is a partnership applying for exploration assistance or whether the contract is to be with ~~if the project is to be in the name of~~ Mr. H. A. Savage. In case ~~this application~~ the contract is to be ~~in the name of~~ with Mr. Savage, we will require six copies of the enclosed Consent to Lien forms executed by Mr. John H. Medley with a copy of a lease or other instrument as evidence that Mr. Savage has sufficient interest in the land for the purpose of an exploration project.

Sincerely yours,

Administrator

RECEIVED
JUL 21 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Enclosures 6

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
JUL 18 1955

July 15, 1955

Re: DMEA 3890
John E. Medley
White Quartz Mine
Fresno Co., Calif.
$14,950 - Quartz

Memorandum

To: L. G. Kouk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Application.

We have no information on this prospect.

The property has been visited by Mr. Weibelt, sent by the U. S. Bureau of Mines office at Reno.

I recommend referral to the Field Team. Perhaps information at hand will enable it to make a report and recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/15/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
JUL 13 1955

July 12, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3890 (quartz crystal)

Applicant: J. H. Medley, H. A. Savage

Name and Location of Property: White Quartz Mine
Fresno County, California

Date Application Rec'd by Br. of Ceramic and Fert. Mnls: July 7, 1955

Comments:

1. Consideration should be given to an alternate method of exploration following the first stage of bulldozing, because core drilling is unlikely to result in positive evidence of the presence or absence of electronic-grade quartz crystal in commercial quantities.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

SIGNED

W. F. Dietrich