MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6747

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments
  Amended application dtd 6/10/69

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam. Report (Tab) 6/4/70
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

James Milburn Marquis
~~General Delivery~~ P.O. Box F 4/15/70
West Point, California 95255

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6747

DATE RECEIVED: 6/10/69

REGION: II

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [X]
- CORPORATION [ ]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE

STATE IN WHICH FIRM IS ORGANIZED: California

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Gold

ESTIMATED COST OF PROJECT: $ 20,000.00

PROPERTY NAME	LOCATION COUNTY	STATE
Marquis Mine	Calaveras	California

Amended Application

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* Washington, D. C., 20242, or with the nearest OME Field Office.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

June 10, 1969
DATED

James Milburn Marquis
BY *(Signature)*

owner
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

1. FINANCIAL ELIGIBLITY

a. Letters from banks refusing my request for mining loan.

b. No affiliations, J. M. Marquis, sole owner.

c. Cash on hand, $2,000.00 plus an additional $3,000.00 available in immediate future upon insurance settlement in accident suit.

2. APPLICANT'S RIGHT TO LAND

a. Outright ownership of 15.72 acres, patented, including mineral rights, no encumberances.

b. Section 12, range 13 E., Township 6 N., portion SW ½.
Surface rights and improvements, i. e. home, barn, garage, guest house, will not be subject to government royalty and liens.
LUCKY SUN MINE, MARQUIS MINE and LUCKY SUN RANCH are various names property has been known as.

3. PHYSICAL DESCRIPTION

a. See enclosed: California State geologist's description of Marquis Mine, California state geologic map, California geologic mine location map.

b. Discovery and preliminary operations all at J. M. Marquis' expense

c. House burned 8 years ago, records destroyed in fire

d. Recent assay certificate of vein at 80 ft., 7.39 oz. per ton, attached.
Rich vein exposed in south drift, extent of ore undetermined, however it may be assumed that all ore extends conservatively within 15 feet of the surface.

e. The deposit is a fissure vein with quartz filling with free gold; arsenopyrite and galena also occurs. At present the deposit is in granodiorite and granite. There is some porphyry dike intrusion.

According to California state government geologic opinion, the property lies on a contact of which there is considerable surface evidence. I believe this contact will be encountered within 200 feet southerly and willfavorably affect the mine. Originally, I mined a ledge, #1, which I followed by gophering down to 35 ft. at the water level. On this I drifted 50 ft. south and encountered 36" quart which carried good gold values. Fifteen feet below the surface in the original shaft I had encountered a narrow oxidized vein, #2, in the wall which panned rich. This #2 vein was a blind vein which pitched away sharply from vein #1. I returned to pursue vein #2 after mining vein #1 for some time and followed it to 35 ft. finding rich oxidized ore all the way. I stopped at the water level as I had no pump at that time. In depth it will show secondary enrichment.

In 1953, prior to the time the enclosed California state report was made, I leased the mine. The lessees sank a new shaft to 80 ft. They drifted south and picked up ledge/vein #2. They took out a few tons of ore and then quit as they were lumberjacks and spring 1954 found them eager to get back to the woods where they made big money felling timber. They left 2 shots too soon as I ran into real high grade right after they left. That is the ore that is now in the ore bin (about 2 tons). It is from the bottom south in the drift where a chimney is evident. It is not illogical to assume even richer ore will be encountered on further exploration in depth. At the 80 ft. level I can put your hand on a substantial ledge in place assaying over $300.00.

The fire that burned my house destroyed nearly all my records but I am enclosing one, a U. S. mint receipt dated May 3, 1954, the only one I have been able to find.

It is also not unreasonable to assume that more parallel veins and ore bodies will be discovered with extensive trenching on surface, cross cutting in depth both east and west. According to true local history, Campo Flores Freek which runs through this property, was worked in the early days at different times by Mexican, Chinese, Chilean and French miners. This would indicate substantial deposits. Since my mine covers the area above these early placer operations it would be suspected the gold in Campo Flores Creek came from my property. My discovery in 1945 of the deposit bears out this assumption. There have been many rich mines, some as deep as 900 ft., within less than a mile of mine; i. e., The Blazing Star, The Lockwood, The Wide West, The Water Lily and others with similar geologic structures with comparable topography. A significant thing in our favor, not enjoyed by other properties, is our situation on a contact. This could make a big mine.

4. ACCESSIBILITY OF THE PROPERTY

a. I will meet the O. M. E. representative in West Point, California at any time and acompany him to the property for examination. The property lies on the hard top county road.

b. Railroad shipping point: Martell, Amador County, near Jackson, Calif.

c. Supply points: Jackson and Stockton, California

5. EXPLORATION WORK

a. Build: head frame, new hoist house and tool shed

Rehabilitate: hoist motor, 160 cubic ft. Sullivan compressor

Trench on surface on suspected new ore bodies

Sink new shaft, opening 6 3/4' x 6 3/4' . Pick up ore shoot at 80 ft on ledge and follow down to 200 ft.

Install: Pumps and pipe

Electric Power line from pole on premises

All wiring and lighting equipment

Airline in shaft

Water line in shaft

Blower and conduit

Telephones at surface and below

Target: 200 ft. depth in shaft and then drift south on vein to meet and explore vein at contact between plutonic intrusion and sedimentary formation.

Cross Cut: on ore shoots east and west seeking new ore bodies.

The alteration plans as outlined above are subject to alteration as mineralogic circumstances warrant to achieve results efficiently.

b. When O.M.E. contract is executed, work will start in 30 days and continue for necessary period.

6. EXPERIENCE

1921, prospected out of Yuma, Arizona; 1923, worked in assay office at Speculator Mine, Butte, Montana; 1924, worked in smelter of Anoconda Copper Mine, Anoconda, Montana; 1934, placer mined on Klamath River, Orleans, California; 1945, prospected in N. Sonora, Mexico; 1943, acquired present property near West Point, Calif. and made discovery of rich vein, operated mine intermittently in 1946 and 1947; 1953, leased this property, then worked in same mine on my own after leasees left; 1955, prospected and located uranium claims near Luning, Nevada; 1962, filed on La Fortuna Mining Claim, ½ mile from present mine. Because of my consuming interest I have consistently studied mining procedures and kindred subjects. Have the normal, practical miner's

knowledge of timbering, explosives, machine maintenance and operation,

7. ESTIMATE OF COSTS

a. Independent contracts: Bulldozer operation as necessary @ $13.00 per hr.

b. Personal Services:

Supervision @ $5.00 per hr.

Miners @ $3.50 per hr.

Muckers @ $2.00 per hr.

Engineer & geologists services (consulting fees) $1500.00

c. Operating materials and supplies

Regular blasting caps	$ 20.00
Anvil	25.00
Heavy duty wheelbarrow	32.99
Shovels, 6 @ $3.00	18.00
Drift picks, 4 @ $5.00	20.00
Miners' carbide lights	30.00
Waterseal grease for pumps	10.00
Fire extinguisher	29.25
Timber saw	7.50
Pipe threader-~~(pipe-cutter-kit)~~	32.99
4 electric switches	40.00
Light globes	25.00
4 - 50' heavy duty extension cords	30.00
6 plastic tape rolls	5.00
2 tubs @ $2.00 each	4.00
2 large wrecking bars	20.00

(continued)

c. (continued)

2 axes at $5.50 each	$ 11.00
1 hatchet	2.75
2 large wood chisels @ $1.50	3.00
1 pair snips	3.00
1 blacksmith hammer	4.50
1 blacksmith tongs	5.50
1 hoist bell	6.00
small tools: machinists hammer, pliers, screwdriver, hammer, nail pullers, etc.	25.00
1 set end wrenches	20.00
1 set socket wrenches	35.00
1 gasoline torch	20.00
1 Jim crow	25.00
2 double jacks @ $8.50	17.00
2 single jacks @ $5.00	10.00
200 ft. galvanized ½" steel cable @ 22¢	44.00
Rail spikes, 2½ x 5/8"	7.50
1 wood heater	35.00
2 benches and tables	35.00
hot plate	20.00
3 pipe wrenches	26.00
electric drill and bits	40.00

d. <u>Operating equipment</u>

Timber and wedges	$1000.00
Gasoline	1000.00
Oil	50.00
Carbide	50.00

(continued)

d. (continued)

Electricity @ $60.00 per month	$ 1440.00
Drill Steel	200.00
Bits	250.00
Powder	150.00
Electric blasting caps	200.00
Fuse & Wire	50.00
Pipe vise with large grip	54.50
2000 ft. electric copper wire #8	60.00
Spikes and nails	50.00
Hanging bolts	200.00
Automatic electric float sump switch	125.00
1 - 5hp motor and centrifugal pump	400.00
6 - 50' air hose	200.00
1 used pickup truck	1100.00
pipe fittings and valves	150.00
200' 2" galvanized pipe (used) @ 35¢	70.00
300 ' 1" galvanized pipe @ 32¢	96.00
stoper drill	750.00
6½ cubic foot cement mixer	179.00
Cement, regular dry	200.00
20 yards pre-mix cement @ $22.00	440.00
1 tugger hoist	400.00
steel plate	150.00
500' rail, 16" 15' length	240.00

(continued)

d. (continued)

2 rail switches	$ 50.00
2 ore cars @ $100.00	200.00
8 x 16 hoist house	150.00
wire & electric fixtures	50.00
switches, sockets, conduits	50.00
sink, toilet, shower	75.00
drilling bar	175.00
steel rod	150.00

e. Material and supplies to be furnished by applicant:

Ore bin	$ 400.00
Sump pump	500.00
Jack hammer (Ingersoll Rand)	350.00
Ore bucket	50.00
200 ft. rail	100.00
300 ft. 2" aluminum pipe	125.00
Compressor (Sullivan) 160 cu.ft.	1800.00
250' 2" iron pipe and fittings	150.00
40' 1" galvanized pipe	15.00
Le Roi hoist and motor	800.00
Power saw (Homeart)	200.00
100 ft. cable	20.00
1 hp electric motor	100.00
30' drill steel	25.00
Bits (50)	45.00
Forge	25.00

f. hoist house and tool shed ---------- 300.00

(continued)

g. Miscellaneous costs:

hoist repairs----------$ 150.00

compressor repairs---------- 300.00

costs of analytical work, accounting, workman's compensation insurance, payroll taxes, will approximate 20% of payroll

cost of sinking, raising or work in winze, per foot---- 100.00

cost of drifting, per foot---------- 40.00

cost of bulldozing, per hour---------- 13.00

pay rates: Supervisor, $5.00 per hour
Miners 3.50 per hour
Muckers 2.00 per hour

Form 1024 A
TREASURY DEPARTMENT
U. S. MINT SERVICE
Approved by Comptroller of Treasury May 8, 1917

MEMORANDUM OF BULLION RECEIVED

No. 1862

Mint of the United States at San Francisco

MAY 3 - 1954, 19

Memorandum of deposit of GOLD / SILVER *Bullion by*

James M. Marquis

weighing — *thousand*

— *hundred*

Seventeen *and* 90/100 *ounces,*

the net value thereof to be ascertained and paid to said depositor or order.

Payment due — *By Check.* ~~*In Bars.*~~ ~~*In Cash.*~~

Checked by — *Oz.* 17 90

Geo V. Clausen

For Superintendent.

GPO 83-25219

NOT NEGOTIABLE

GPO 83-24350

UNITED STATES MINT
IN SAN FRANCISCO CALIF.

Deposit No. 1862 Date May 3, 1954

Depositor James M. Marquis
1851 Points, California

BULLION DEPOSIT—MEMO REPORT

Memos Required by Depositor 5
Other Data

Silver Price or Class 85¢

State Calif
County Calaveras
Mine Marquis

Mint Form 42 (Revised)
SOURCE DATA

Description of Deposit	Assay Number	WEIGHTS Before Melt Ounces Doc	WEIGHTS After Melt Ounces Doc	ASSAY CERTIFICATE FINENESS Gold	ASSAY CERTIFICATE FINENESS Silver	ASSAY CERTIFICATE FINENESS Base	Refin. Chs. Per Oz.	GOLD—FINE OZ.	SILVER—FINE OZ.
Anal. Cakes	2501	17.90	16.93	8034	1791	0124	63	13.683	3.03

NOTE—THIS REPORT IS FOR THE INFORMATION OF THE DEPOSITOR, AND IS OF NO OTHER VALUE.

PAYABLE BY CHECK EXCEPT AS NOTED

Melting	2.00	VALUES, $	478.90
Refining	1.14	NET VALUE	477.14
Handling	1.20	Bars	
Other Chg.		Cash	
TOTAL CHRGS.	4.34	Check	2.53

Calculator

METALLURGICAL LABORATORIES, INC. CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO, CALIFORNIA 94103 • AREA CODE 415 863-8575

REPORT OF ASSAY

Submitted by Marquis Mining Company
2121 Sacramento Street
San Francisco, California

Date July 1, 1968

Sample of Minerals

P. O. No.

Lab. No. 1735

MARK	GOLD, PER TON OF 2,000 LBS.		SILVER, PER TON OF 2,000 LBS.		%	%	%
	TROY OUNCES	VALUE	TROY OUNCES	VALUE			
#2-NS Ledge	7.39		0.32				

METALLURGICAL LABORATORIES, INC.

By Myart P. Quist

Photo 19. The Mar John gold mine. Camera facing east. *Photo by Mary Hill.*

1923, the mine was bonded to the Mar-John Com- (Min. Res. of U. S., part I, Metals, 1923, p. 347), ctive mining was not done until 1928 (Logan and e, 1936, p. 271). A new mill was erected, and the rehabilitated, and worked almost continuously until Some work was done in 1938 by W. F. Hoppe of ls Camp, but the mine has been idle since. The ated total output of the mine is valued at approxi- y $360,000 (Louis Domenghini, personal communi- n, 1957). Beginning about 1925 and continuing inter- ntly until 1930, prospecting for cobalt was done e northeast end of the property. Although several of cobalt-bearing ore were mined, apparently none marketed (Logan and Franke, 1936, p. 273).

tive gold, pyrite, galena, and minor amounts of rite are found in five northeast-trending quartz that range from 2 to 4 feet in thickness. The prin- vein is the Calaveras vein, which strikes N. 70° E. lips to the southeast. Country rock is mica schist, and quartzite of the Calaveras formation. The dump contains small amounts of diorite and gabbro. At the lt prospect, small amounts of smaltite and erythrite arsenopyrite were found in a stringer a few inches in mica schist and quartzite.

e property is developed by the 450-foot Calaveras lar John shaft with levels at 120, 240, 350, and 450 and a 350-foot shaft 400 feet to the southeast. Most e stoping was done between these two shafts. Cross- have been driven northwest and southeast from the ot level. The southeast-trending crosscut extends e Enchantress vein where some drifting was done. The cobalt prospect was developed by a 175-foot shaft.

Ore was treated in a 10-stamp mill with a flotation unit, portions of which remain on the property. During 1935 about 14 tons of ore were milled daily (Logan and Franke, 1936, p. 273). Concentrates were sent to the Amador Metals Reduction Company in Jackson.

Marquis mine

Location: Sec. 12, T. 6 N., R. 13 E., M.D.M., 2 miles southeast of West Point. Ownership: James M. Marquis, West Point, California; leased to Dave Egenhoff and Robert Allen, of West Point.

The Marquis gold mine was opened in 1945 by Mr. Marquis and has been intermittently worked since. Free gold associated with pyrite and galena are in a quartz vein that ranges from a few inches to 16 inches in width. The vein strikes in a northerly direction and dips to the west. Country rock is quartz-diorite and granodiorite. A left lateral fault with a west strike and vertical dip has displaced the vein by 4 feet. The principal ore shoot is at the intersection of the south segment of the vein and the fault. In place the ore shoot is about 6 feet in diameter. It was mined to a height of about 35 feet above the 80-foot level. The ore shoot is believed to persist in depth (James Marquis, personal communication, 1954) but has not been explored. Two smaller quartz veins were encountered at the bottom of the shaft which appear to intersect the faulted north segment of the main vein.

Development work includes an 85-foot, west-inclined shaft with a level at 80 feet. On the 80-foot level, an 18-foot south lateral was driven along the fault zone.

The north segment of the faulted vein was encountered in the crosscut 16 feet from the south lateral. At a distance of 20 feet in the crosscut, the south segment of the vein was encountered and a drift was driven 20 feet south along the vein. A 35-foot raise, which holed an old 55-foot shaft that had been sunk during 1945-46, was driven from the drift south. Some stoping has been done off of the raise. Three men work at the mine.

Mother Lode Central mine

Location: SE¼ sec. 3 and NE¼ sec. 10, T. 2 N., R. 13 E., M.D.M., 1 mile southeast of Angels Camp and just west of State Highway 49. Ownership: Aileen A. Morgans et al., and Tillie Rolleri et al., c/o Romie Rolleri, Angels Camp, California.

This gold mine consists of the Bullion and Marble Springs claims, both of which were originally worked separately. The Bullion claim was mined prior to and during the early 1900s (Logan and Franke, 1935, p. 276). Mother Lode Central Mines, Inc. was organized in 1934 and consolidated the claims. A shaft was sunk on the Marble Springs claim, and a considerable amount of development work was done. Operations ceased in 1939, and the mine has been idle since. Occasionally the dump is used as a source of fill material.

There are two veins on the property, the Marble Springs vein which strikes northwestward and dips 55° NE., and the Bullion vein to the southwest which strikes nearly westward and dips 55° N. The Marble Springs vein is as much as 15 feet thick. An ore shoot was developed on this vein several hundred feet southeast of the shaft, which had a stope length of 130 feet and a pitch length of at least 300 feet. It was reported to have contained ore averaging $7.50 per ton in gold (Julihn and Horton, 1938, p. 117). Country rock is green schist.

The mine is developed by at least three shafts: No. 1 shaft on the Marble Spring claim, which has an inclined depth of 200 feet and from which a 105-foot crosscut extends to the vein on the 200-foot level; No. 2 shaft some 500 feet to the southeast and sunk on the vein, which has an inclined depth of about 600 feet; and an old 150-foot inclined shaft on the Bullion vein. A 500-foot drift connects No. 1 and No. 2 shafts on the 200-foot level. Other than several buildings, no equipment remains on the property.

Mountain King mine

Location: SW¼ sec. 19 and NW¼ sec. 30, T. 2 N., R. 12 E., M.D.M., adjoining the Royal mine on the northwest in the Hodson district, 4 miles northwest of Copperopolis. Ownership: C. W. Stewart and C. E. Nuss, P. O. Box 886, Fresno, California.

The Mountain King gold mine consists of 13 claims which include the Bulger Consolidated, Last Chance, and Mountain King. The property was active in the 1890s (Crawford, 1896, p. 114), and by 1904 it had been developed to an inclined depth of 500 feet. After an idleness of some years, the mine was reopened in 1930 by Byron Rowe (Logan and Franke, 1936, p. 277). At that time the ore was treated in an old 10-stamp mill. I the Jumbo Consolidated Mining Company was ized by Mr. Rowe, and this concern operated th erty on a major scale until 1941. The shaft was e to an inclined depth of 1200 feet, and a large n was erected. In 1941 and 1942, El Gabilan Corp of Copperopolis worked the mine. During Wor II, large amounts of copper ore from the Ke Union mines at Copperopolis were concentrated mill. A partnership known as the Mountain Ki and Mine Company reopened the mine in 19 worked it by open-pit methods until 1948. For months in 1953, asbestos ore from the Jamestow Tuolumne County was treated in the mill. In 19 1956, the New Jersey Zinc Company leased thi and the adjoining Royal mine for exploration pu This concern sank eight vertical diamond-drill h much as 1000 feet in depth in the hanging-wall of the deposit. Since then the property has been id

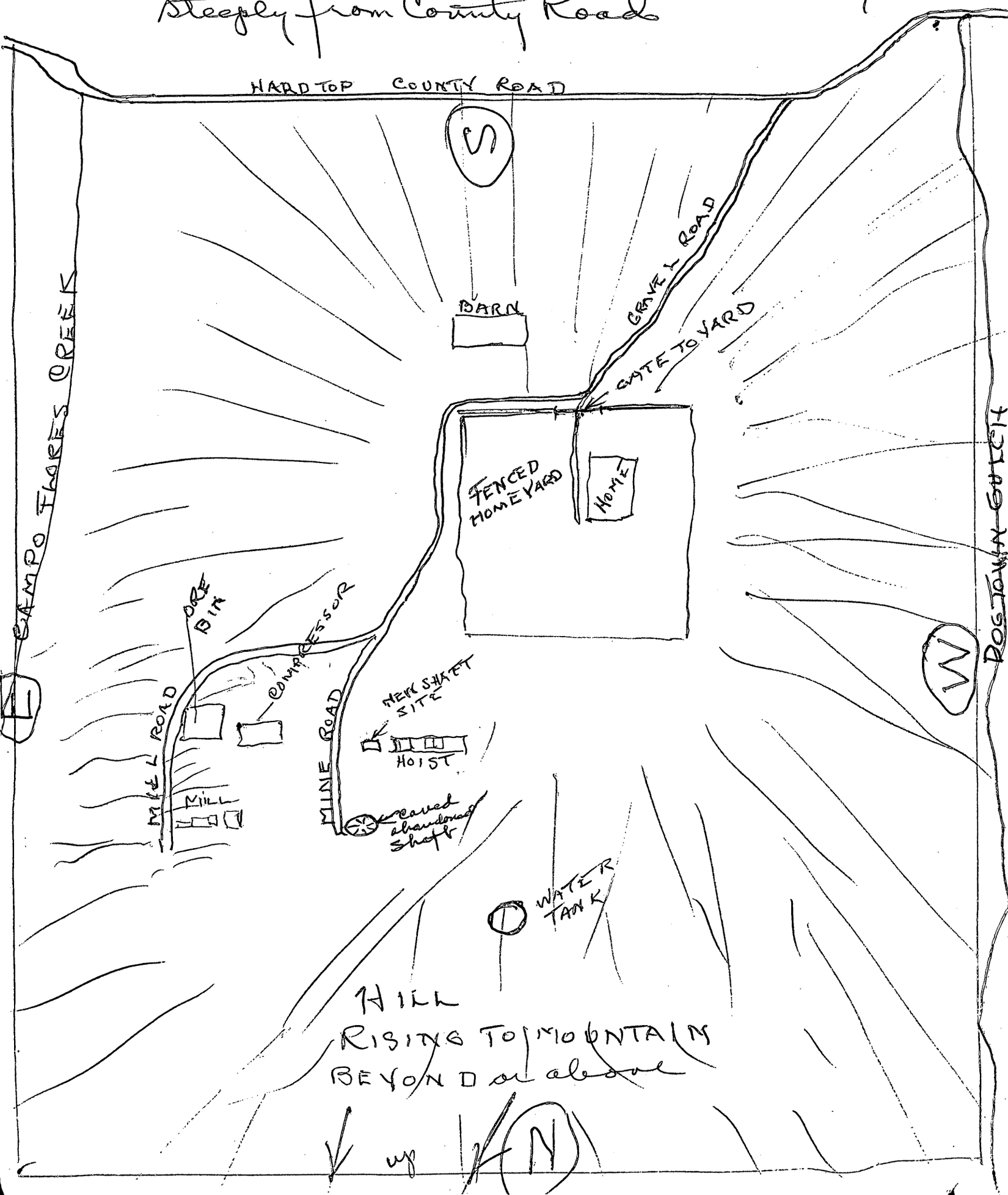
The value of the total output of the mine is unk but it is well over 1 million dollars. In 1940, the pr was estimated to have yielded about 300,000 tons that ranged from $3 to $8 per ton in value (F. R. private report, 1940).

This deposit is the north portion of the mine area along the Hodson fault zone that extends nor from the Royal mine. The total mineralized area mated to be at least 4000 feet long and as much feet wide (Harry Bush, personal communication, The main Mountain King vein system consist quartz veins and stringers strikes N. 32° W. and di NE. It ranges from 5 to 50 feet in thickness. Amph schist and greenstone form the hanging wall and posa slate the footwall. Numerous quartz stringe the hanging wall, and shoots of "gray ore" consis mineralized amphibolite and greenstone are near t tersection of these stringers and the main vein. Ore during the 1930s had an average value of $5 to $ ton (Julihn and Horton, 1938, p. 119). The concen had an average value of about $150 per ton (V F. R., 1940). Another quartz vein lying to the nor known as the Pine Log vein, intersects the Mo King between the 800- and 1000-foot levels.

The mine is developed by the 26-degree-inclined foot Mountain King shaft. Levels at 150, 200, 30 600, 800, 1000, and 1200 feet total more than 5000 f underground workings. The principal development has been done on the 800-, 1000-, and 1200-foot On the 200-foot level, a 120-foot crosscut extends east to the Pine Log vein where an inclined raise w to the surface. About 100 feet northwest from the M tain King shaft is the 110-foot Bulger shaft. The M tain King shaft is open.

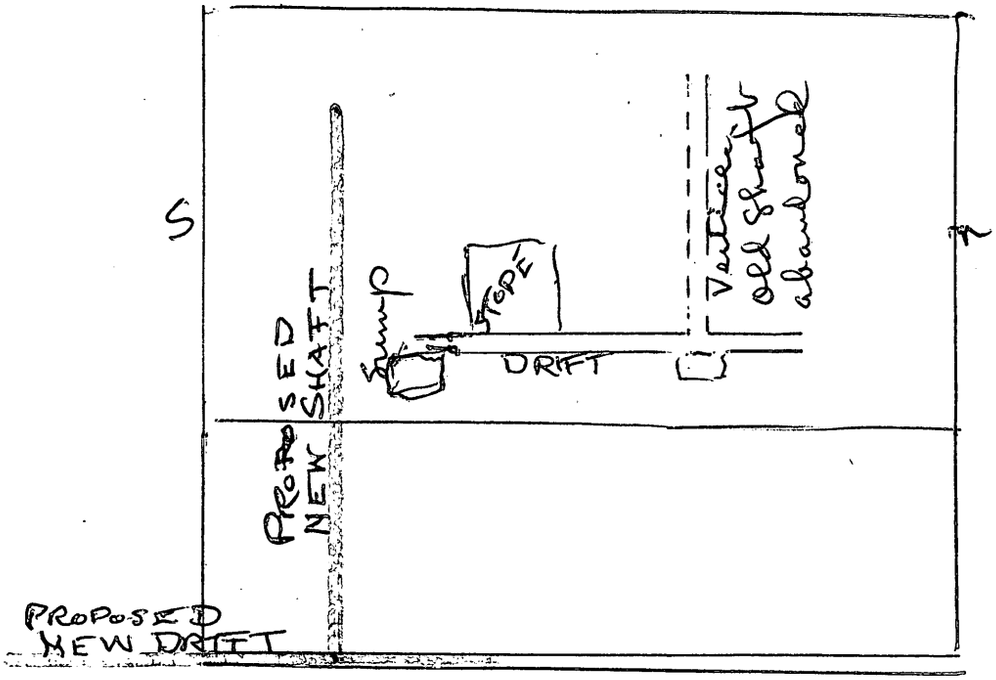
The open pit, which was mined during the peri 1945-48, is 800 feet southeast of the Mountain King The pit is 300 feet long, 120 feet wide, and as mu 75 feet deep. About 1700 feet east of the shaft are s open cuts. The mill, which remains on the property, tains ore bins, a jaw crusher, a gyratory crusher, t

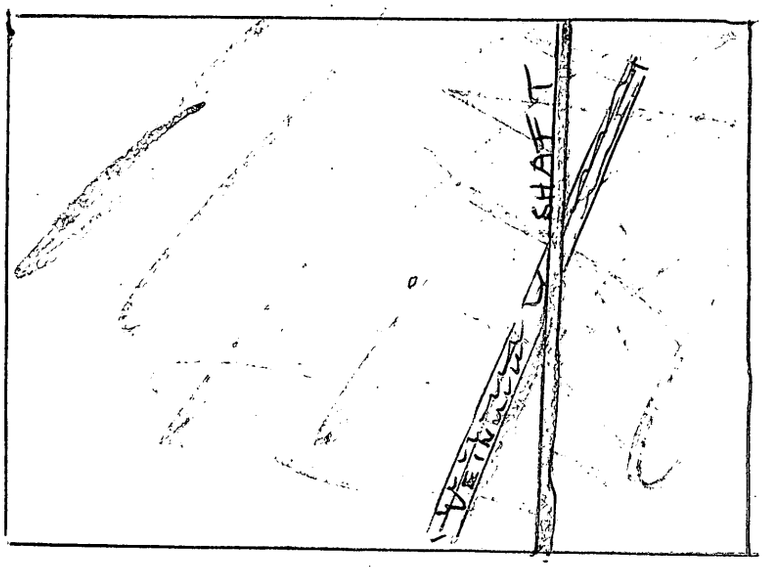
MAP of MARQUIS PROPERTY
mine and Home at Top of hill rising steeply from County Road



MARQUIS MINE

OLD & NEW WORKING





Offices in all three Pacific Coast states

THE BANK OF CALIFORNIA *National Association*

AUBURN OFFICE: 874 Lincoln Way, Auburn, California 95603 · (916) 885-3701

May 27, 1969

James M. Marquis, Owner
The Marquis Mine
P. O. Box 116
West Point, California 95255

Dear Mr. Marquis:

Thank you for your letter of May 25, 1969.

I am sorry, but we are not able to entertain your request for a loan for operating capital in your mining venture.

Very truly yours,

C. A. Haydon
Manager

CAH:dc

P. O. Box 116
West Point, California 95255
May 25, 1969

Mr. Charles A. Hayden, Manager
BANK OF CALIFORNIA
874 Lincoln Way
Auburn, California

RE: COMMERCIAL LOANINGRFEENING OPERATION

Dear Sir:

With the renewed interest and activity in gold and on the basis of extremely favoeable assays of ore taken from property to which I hold clear title (15.72 acres) in Calaveras County, California, I am preparing to engage in a gold mining venture at the site.

I own a compressor, hoistand extensive other mining tools and machinery but will need operating capital to get underway. Consequently I am writing to request application forms for a $15,000.00 loan which I am seeking and which I confidently expect to repay out of production.

Sincerely,

JAMES M. MARQUIS, owner
THE MARQUIS MINE

NATIONWIDE ADHESIVE PRODUCTS

☒ to place an order or make inquiry, contact this Nationwide Office.

NATIONWIDE ADHESIVE PRODUCTS, INC.

☐ 456 Investment Insurance Bldg.
Cleveland 14, Ohio (home office)
TOwer 1-7393 (area code 216)

☐ 286 Penobscot Building
Detroit 26, Michigan
WO 1-6785 (area code 313)

☐ 433 Ross Avenue
Pittsburgh 21, Pa.
FR 1-2023 (area code 412)

☐ 6363 Wilshire Boulevard
Los Angeles 48, Calif.
651-0420 (area code 213)

☑ 681 Market Street
San Francisco 5, Calif.
DO 2-6741 (area code 415)

☐ 6636 Bellfort Blvd.
Houston 17, Texas
MIssion 4-1836 (area code 713)

☐ 3707 Rawlins, Oak Plaza Bldg.
Dallas 19, Texas
LA 8-9950 (area code 214)

Thank you for your inquiry . . .

It is a pleasure to send you the information you requested on:

☐ PLASTIK-SEAL Self-laminating sheets: (self-adhesive to protect, beautify photos, cards, maps, etc).

☐ NON-SKID Safety Striping: (self-adhesive . . . to prevent falls, slips on dangerous surfaces).

☐ TRANSPARENCIES made from magazine prints with Plastik-Seal — no machine necessary.

☐ MOUNTING MAGIC: (self-adhesive . . . to mount photos, cards, banners, etc. — "sticky on both sides" — in sheet and roll form).

☐ POLY-STIK-TAPE: (self-adhesive . . . seals, repairs, waterproofs plastic and rubber items).

☐ NAME BADGES (self-adhesive — "hello my name is" — paper or cloth).

☐ BUDGET BLACK BOARD (self-adhesive green paper which can be applied to a desk, wall, etc., and used as a regular blackboard — takes chalk, wipes dry or wet).

☐ STIK-DOTS (self-adhesive ¾" paper dots for color coding, sales maps to show outlets, commanding attention to certain points in invoices, letters, etc.).

☐ STIK-RINGS (self-adhesive reinforcement rings for notebooks — no licking, just apply).

☐ STIK-GUARDS (self-adhesive flock felt dots for underside of lamps, ashtrays, etc., to prevent scratching of furniture. Also in roll flannel form for larger applications).

☐ FILE FOLDER LABELS (self-adhesive for file folders, bins, etc., in variety of colors).

We have added a sample of the product with the enclosed catalog sheet. Please try out the item — and then visualize the many uses it can perform for your operation.

You save up to 25% dealing with our firm. For your convenience, shipments are made from nearest Nationwide Office. You save on freight or parcel post charges with the nearness of our locations to your place of operation.

As an added bonus, see our SPECIAL BONUS PLAN BELOW.

For your convenience in ordering, your catalog sheet has a special order form . . . clip this out . . . or send your own purchase order in the postage-paid envelope.

We will give your order our immediate attention.

Cordially yours,
NATIONWIDE ADHESIVE PRODUCTS, INC.

Theodore J. Stepien

Theodore J. Stepien, Sales Mgr.

PS: If you want information on any of the above items, other than the one enclosed, please send us this request . . . we will be happy to fill it.

SPECIAL BONUS PLAN

IF YOUR ORDER TOTALS THIS	DEDUCT THIS
$ 25.00 — $49.00 (one item or combination)	$2.00
$ 50.00 — $99.99 (one item or combination)	$5.00
$100.00 — and above (one item or combination)	10% deduction

P. O. Box 116
West Point, Calif. 95255
June 6, 1969

MOTHER LODE BANK
Altaville, Calif.

Attn: Mr. Zak, Manager

Dear Sir:

With the renewed interest and activity in gold and on the basis of extremely favorable assays of ore taken from property to which I hold clear title (15.72 acres) in Calaveras County, California, I am preparing to engage in a gold mining venture at the site.

I own a compressor, hoist and extensive other mining tools and machinery but will need operating capital to get underway. Consequently I am writing to reqest application forms for a $15,000.00 loan which I confidently expect to pay out of production.

I can furnish assays and other data on request.

Sincerely,

James M. Marquis, owner
THE MARQUIS MINE

MOTHER LODE BANK

COMMERCIAL SAVINGS

BROADWAY OFFICE
PLACERVILLE, CALIFORNIA

May 29, 1969

Mr. James M. Marquis
Box 116
West Point, Ca. 95255

Dear Mr. Marquis:

Thank you for your letter of May 25, 1969, in which you request a loan form for funds for your gold mining venture.

We have an office in Altaville which accommodates the area in which you live, Calaveras County. I would suggest that you refer your request to Mr. Zak who is Manager of that office.

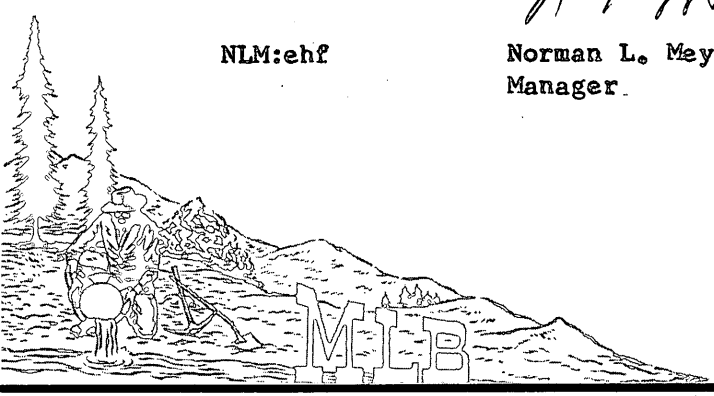
Thank you for your interest in Mother Lode Bank.

Very truly yours,

N. L. Meyer

NLM:ehf

Norman L. Meyer
Manager



Box 116
West Point, Calif. 95255
May 25, 1969

Mr. N. L. Meyer
Commercial Loan Dept.
MOTHER LODE BANK
1319 Broadway
Placerville, Calif.

Dear Sir:

With the renewed interest and activity in gold and on the basis of extremely favorable assays of ore taken from property to which I hold clear title (15.72 acres) in Calaveras County, California, I am preparing to engage in a gold mining venture at the site.

I own a compressor, hoist and extensive other mining tools and machinery but will need operating capital to get underway. Consequently I am writing to request application forms for a $15,000.00 loan which I confidently expect to pay out of production.

Sincerely,

James M. Marquis, owner
MARQUIS MINE

THE HIBERNIA BANK

SAN MATEO OFFICE
FOURTH AVENUE AND SAN MATEO DRIVE
SAN MATEO, CALIFORNIA 94401
342-8311

May 2, 1968

Mr. James M. Marquis
2121 Sacramento #604
San Francisco, California 94109

Dear Mr. Marquis:

Your request for operating capital for gold mining operation on your property located in Calaveras County, California, has been declined.

Very truly yours,

P. F. Miller
Vice President and Manager

PFM:pjk

1. a

2121 Sacramento #604
San Francisco, Calif. 94109
May 1, 1968

Mr. Peter Miller, Vice President
The Hibernia Bank
4th & San Mateo Drive
San Mateo, California

Dear Mr. Miller:

On the basis of extremely favorable assays of ore taken from property to which I hold clear title in Calaveras County, California, I am preparing to engage in a gold mining operation at the site. I need operating capital for the venture and am writing to request the proper loan application forms from Hibernia Bank.

Sincerely,

James M. Marquis
Acct. No. 061-0878-4

Since 1852

WELLS FARGO BANK

MARKET-MONTGOMERY OFFICE
4 MONTGOMERY STREET
SAN FRANCISCO, CALIFORNIA 94120

May 3, 1968

Mr. James M. Marquis
2121 Sacramento #604
San Francisco, California 94109

Dear Mr. Marquis:

This will acknowledge receipt of your letter of May 1 concerning your need for a loan to provide operating capital for a new gold mining venture.

Your letter does not mention the amount of financing required; however, any loan of this nature can only be granted on a secured basis under our loan policy. Security can consist of marketable stocks or bonds or other assets of similar character.

Should you wish to discuss your requirements with us, please do not hesitate to contact me.

Sincerely,

H. L. Clinton
Loan Officer

HLC:dmh

Unable to provide required security/collateral.

1. a

2121 Sacramento #604
San Francisco, Calif. 94109
May 1, 1968

Mr. Howard Clinton
Commercial Loan Department
Wells Fargo Bank
4 Montgomery
San Francisco, California

Dear Mr. Clinton:

On the basis of extremely favorable assays of ore taken from property to which I hold clear title in Calaveras County, California, I am preparing to engage in a gold mining venture at the site. I need operating capital for the venture and am writing to request the proper loan application forms from Wells Fargo Bank.

I have a savings account Number 46687-6 at the Market-Montgomery office of Wells Fargo and will use your branch at Jackson, California for the mine account.

Sincerely,

James M. Marquis

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

July 30, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 1 1968

INITIALS	CODE

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: New Application (Gold)
James M. Marquis
Marquis Mine
Calaveras County, California

Enclosed is an application for financial assistance, received in the Field Office on July 29, 1968, from Mr. James M. Marquis, General Delivery, West Point, California 95255.

Lacking is a map of the property showing the boundaries, geology, location of mine working, and location of proposed work. Part of the work proposed is clearly development and mining. Some work may be warranted but a field examination will probably be necessary to determine the amount and type. Costs have not been computed on a unit basis.

H. K. Stager

Enclosures

No accompanying documents need be returned - JMM

MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval Expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY O. M. E. RECEIVED AUG 1 1968 INITIALS

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

James Milburn Marquis
General Delivery
West Point, California 95255

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6747

DATE RECEIVED: ~~July~~ Aug 1 ~~29~~, 1968

REGION: II

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	X
CORPORATION	
PARTNERSHIP	
OTHER *(Specify)*	

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE

STATE IN WHICH FIRM IS ORGANIZED: California

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Gold

ESTIMATED COST OF PROJECT: $ 75,000.00

PROPERTY NAME	LOCATION COUNTY	STATE
Marquis Mine	Calaveras	California

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington, D. C., 20240, or with the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

July 25, 1968
DATED

James Milburn Marquis
BY *(Signature)*

owner
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-D[illegible] SEC., WASH., D.C

J. M. Marquis, General Delivery, West Point, Calif. 95255

1. FINANCIAL ELIGIBILITY

a. Attached, copies of my letters of request for mining loan from Hibernia and Wells Fargo banks respectively, together with their letters of refusal.

b. No affiliations, J. M. Marquis, sole owner

c. Two thousand dollars cash, plus use of equipment valued at $5,055.00

2. APPLICANT'S RIGHT TO LAND

a. Outright ownership of 16½ acres, including mineral rights, no encumberances.

b. Section 12, range 13 E., Township 6 N., portion SW½
Surface rights and improvements, i. e., home , barn, garage,etc. should not be subject to government royalty and liens.
LUCKY SUN MINE, MARQUIS MINE, and LUCKY SUN RANCH are various names the property has been known as.

3. PHYSICAL DESCRIPTION

a. See enclosed: California State geologist's description of Marquis mine, California state geologic map, California geologic mine location map.

b. Discovery and preliminary operations all at J. M. Marquis' expense

c. House burned several years ago, all records destroyed in fire

d. Recent assay certificate of vein at 80 ft., 7.39 oz per ton, is attached. Rich vein exposed in south drift, extent of ore undetermined, however it may be assumed that the ore extends conservatively within 15 ft. of the surface.

e. The deposit is a fissure vein with quartz filling with free gold arsenopyrite, some galena also occurs. At present the deposit

J. Marquis
General Delivery
West Point, Calif. 95255

is in grandodiorite and granite. There is some porphyry instrusion with mineralization. According to U. S. Government geologic opinion the property lies on a contact of which there is considerable surface evidence. I believe this contact will be encountered within 200 feet southerly in our drift at 80nft. There is a parallel ledge of which there is evidence in the east wall which was in place at 15 ft. from the surface. I encountered this prior to the time of the original discovery of vein #2. Vein #2 apparently seemed much richer and consequently the ensuing mining operation followed #2 or the richer ledge, primarily by gophering procedure to ascertain the persistence of the ledge in depth. This preliminary investigation ceased at the 35 ft. water level. Fifty feet south, at 30 foot depth in this original prospecting endeavor I encountered at once place a width of 36 inches of quartz which carried good values in gold. In depth, it should show secondary enrichment. In 1953, prior to the time the enclosed state geologic report was made, I leased the mine. In spring of 1954 the leasors were impatient to return to their jobs as lumber jacks. The mine has been idle since, collar shaft caved in from exceedingly heavy rains of 7 years ago. In view of the fact that ore as rich as several hundred dollars per ton was encountered in depth, it is not illogical to assume that even richer ore will be encounted on further exploration in this deposit. Although no records are available, ore in the bin and specimens are available to verify this contention. Also it is not unreasonable to assume that more parallel veins and ore bodies will be discovered with extensive cross cutting both east and west and with surface trenching. According to true local history, Campo Flores Creek which runs through this property, was worked in the early days at three different times by Mexican, Chinese, Chilean and French miners. This would indicate

(continued)

substantial deposits. Since my mine covers the area above the early placer operations it would be suspected the gold in Campo Flores Creek came from my property. My discovery in 1945 of the deposit bears out this assumption. There have been many rich mines, some as deep as 900 feet within less than a mile of my mine, namely the Blazing Star, Lockwood, Wide West, Water Lily and others with similar geologic structures with comparable topography. A significant thing in our favor, not enjoyed by other properties, is our situation on a contact. This should make a big mine.

4. ACCESSIBILITY OF THE PROPERTY

a. I will meet the O. M. E. representative in West Point, California at any time and accompany him to the property for examination. The property lies on the hard top county road.

b. Railroad shipping point: Martell, Amador County, near Jackson, Calif.

c. Supply points: Jackson and Stockton, California

5. EXPLORATION WORK

a. Build: Head frame
New Hoist house and tool shed
Office and change house with stove, lockers, table, benches, safe, desk and files.

Rehabilitate: Hoist motor
160 cubic foot Sullivan Compressor
Trenching for new orebodies suspected at surface
Sink new shaft, 6 3/4' x 6 3/4' opening to 150 feet

Install: pump and pipe
electric power line (available at pole on premises)
all wiring and lighting equipment
airline in shaft
water line in shaft
blower and conduit
telephone

Drift: at 100 feet, south 200 feet on vein to seek contact between plutonic intrusion and sedimentary formations. Stope ore at 50 foot intervals to within 15 feet of the surface. Drift north when feasable & warranted

Crosscut on ore shoots 200 feet east, 200 feet west, seeking new ore bodies.

Sink shaft to 200 feet, drift on ledge north and south, stope ore at 50 foot intervals.
Sink winzes when necessary

(continued)

The foregoing exploration plans are subject to alteration as mineralogic circumstances warrant to achieve results efficiently.

b. A more convenient access road must be built from mine to property entrance on county road. Road will be approximately 600 yards in length, simple cut and fill procedure by bulldozer, surfaced with rock frommine dump. Present road can be used while new road is dug.

c. If an O. M. E. contract is executed work will start at once and continue two years or more.

6. EXPERIENCE

1921: Prospected out of Yuma, Arizona

1923: Worked in Assay Office at Speculator Mine, Butte,Montana.

1924: Worked in smelter of Anoconda Copper Mine, Anoconda, Montana

1934: Placer mined on Klamath River, Orleans, California

1945: Prospected in N. Sonora, Mexico

1945: Acquired present property near West Point and made discovery of rich gold vein, operated mine intermittently in 1946 and 1947

1953: Leased present property

1955: Prospected and located uranium claims near Luning, Nevada

1962: Filed on La Fortuna Mining Claim, ½ mile from present mine.

Because of my interest I have consistently studied mining procedures and kindred subjects. Have normal, practical miner's knowledge of timbering, explosives, machine maintenance and operation,

J. M. Marquis
General Delivery
West Point, Calif. 95255

7. b. PERSONAL SERVICES

Supervision----------	per mo.	$1200.00
Miners----------	per hr.	3.50
Muckers----------	per hr.	2.00
Engineer & geologists services---------- (consulting fees)		1500.00
Assays		2500.00

Bulldozing + Trenching available @ 12.50 per hr

J.M. Marquis
General Delivery
West Point, Calif. 95255

c. TWO YEAR SUPPLY OPERATING MATERIAL & SUPPLIES UNDER $50.00

Regular blasting caps	$20.00
Anvil	25.00
Heavy duty wheelbarrow	32.99
Shovels, 6 @ $3.00	18.00
Drift picks, 4 @ $5.00	20.00
Miner's carbid lights	30.00
Waterseal grease for pumps	10.00
Forge blower	30.00
Fire extinguisher	29.25
Timber saw	7.50
Pipe threader (pipe cutter kit)	32.99
4 electric switches	40.00
Light globes	25.00
4- 50 ft. heavy duty extension cords	30.00
6 plastic tape rolls	5.00
2 tubs @ 2.00 each	4.00
2 large wrecking bars	20.00

(continued)

379,73

J. M. Marquis
General Delivery
West Point, Calif. 95255

c. (continued)

2 axes at $5.50 each	$11.00
1 hatchet	2.75
2 large wood chisels @ $1.50	3.00
1 pair snips	2.50
1 blacksmith hammer	4.50
1 blacksmith tongs	5.50
1 hoist bell	6.00
6 tool stell chisels, assorted @ $.75	4.50
small tools: machinists hammer, pliers, screwdriver, hammer, nail pullers, etc.	25.00
1 set end wrenches	20.00
1 set socket wrenches	35.00
1 gas brass torch	20.00
1 Jim crow	25.00
2 double jacks @ $8.50	17.00
2 single jacks @ $5.00	10.00
200 ft. galvanized ½" steel cable @ $.22	44.00
1 tugger hoist	4.00
Rail spikes, 2½ x 5/8"	7.50
1 wood heater	35.00

(continued) 280.75

J. M. Marquis
General Delivery
West Point, Calif.95255

c. (concluded)

2 benches and tables----------$35.00

hot plate---------- 20.00

3 pipe wrenches----------26.00

electric drill & bits----------44.95

J. M.Marquis
General Delivery,West Poi[illegible] CA 95255

d. TWO YEARS' OPERATING MATERIAL & SUPPLIES OVER $50.00

Timber & wedges	$1000.00
Gasoline	1000.00
Oil	50.00
Carbide	50.00
Electricity @ $60 per mo.	1440.00
Drill Steel	200.00
Bits	250.00
Powder	150.00
Electric blasting caps	200.00
Fuse & Wire	50.00
Pipe vise with large grip	54.50
2000 ft. electric copper wire #8	60.00
Spikes & nails	50.00
Hanging bolts	200.00
Automatic electric float sump switch	125.00
1- 5 horse motor & centrifugal pump	400.00
6-50 ft. air hose	200.00
1 pickup truck	1800.00
pipe fittings and valves	150.00

(continued)

J.M. Marquis
General Delivery
West Point, Calif. 95255

d. (continued)

200 ft. 2" galvanized pipe (used) @ .35	$ 70.00
300 ft. 1" galvanized pipe @ .32	96.00
stoper drill	750.00
6½ cu. ft. cement mixer	179.00
Cement — Reg. Dry	200.00
20 yards pre-mix cement @ 16.00	320.00
1 tugger hoist	400.00
steel plate	150.00
500 ft. rail, 16" 15' length	240.00
2 rail switches	50.00
2 ore cars @ 100.00	200.00
8 x 16 hoist house	300.00
8x 16 Tool House, office, Change House	300.00
wire and electric fixtures	50.00
switches, sockets, conduits	50.00
sink, toilet, shower	75.00
Drilling bar	175.00
Steel rod	150.00

J. M. Marquis
General Delivery
West Point, Calif. 95255

e. MATERIAL & SUPPLIES TO BE FURNISHED BY APPLICANT-

Ore bin	$ 400.00
Sump pump	500.00
Jack hammer- Ingersoll Rand	350.00
Centrifugal pump, 2½ horse motor	300.00
ore bucket	50.00
200 ft. rail	100.00
300 ft. 2" aluminum pipe	125.00
Compressor- Sullivan 160 cu. ft.	1800.00
250 ft. 2" iron pipe & fittings	150.00
40 ft. 1" galvanized pipe	15.00
Le Roi hoist & motor	800.00
Power saw- Homeart	250.00
100 ft. cable	20.00
1 horse electric motor	100.00
30 ft. drill steel	25.00
Bits (50)	45.00
Forge	25.00

J. M. Marquis
General Delivery
West Point, Calif. 95255

7. g. MISCELLANEOUS

Hoist repairs----------$ 150.00

Compressor repairs---------- 300.00

~~Bulldozing & trenching available @ per hour 12.50~~

f. (1) hoist house and tool shed (2) office and change house @ 300.00 ea - $600.00

Costs of analytical work, accounting, workmans compensation insurance, payroll ~~costs~~ Taxes will approximate 20% of payroll

1. a

Jm. Marquis
Genl Del.
West Point, Calif.
95255

2121 Sacramento #604
San Francisco, Calif. 94109
May 1, 1968

Mr. Howard Clinton
Commercial Loan Department
Wells Fargo Bank
4 Montgomery
San Francisco, California

Dear Mr. Clinton:

On the basis of extremely favorable assays of ore taken from property to which I hold clear title in Calaveras County, California, I am preparing to engage in a gold mining venture at the site. I need operating capital for the venture and am writing to request the proper loan application forms from Wells Fargo Bank.

I have a sagings account Number 46887-6 at the Market-Montgomery office of Wells Fargo and will use your branch at Jackson, California for the mine account.

Sincerely,

James M. Marquis

1. a

Since 1852

WELLS FARGO BANK

MARKET-MONTGOMERY OFFICE
4 MONTGOMERY STREET
SAN FRANCISCO, CALIFORNIA 94120

May 3, 1968

Mr. James M. Marquis
2121 Sacramento #604
San Francisco, California 94109

Dear Mr. Marquis:

This will acknowledge receipt of your letter of May 1 concerning your need for a loan to provide operating capital for a new gold mining venture.

Your letter does not mention the amount of financing required; however, any loan of this nature can only be granted on a secured basis under our loan policy. Security can consist of marketable stocks or bonds or other assets of similar character.

N.G. — that does not deny loan.

Should you wish to discuss your requirements with us, please do not hesitate to contact me.

Sincerely,

H. L. Clinton
Loan Officer

HLC:dmh

Applicant's statement

Unable to provide required security/collateral.

1. a

Jim Marquis
General Del.
West Point, Calif.
95255

2121 Sacramento #604
San Francisco, Calif. 94109
May 1, 1968

Mr. Peter Miller, Vice President
The Hibernia Bank
4th & San Mateo Drive
San Mateo, California

Dear Mr. Miller:

On the basis of extremely favorable assays of ore taken from property to which I hold clear title in Calaveras County, California, I am preparing to engage in a gold mining operation at the site. I need operating capital for the venture and am writing to request the proper loan application forms from Hibernia Bank.

Sincerely,

James M. Marquis
Acct. No. 061-0878-4

1. a

THE HIBERNIA BANK

SAN MATEO OFFICE
FOURTH AVENUE AND SAN MATEO DRIVE
SAN MATEO, CALIFORNIA 94401
342-8311

May 2, 1968

Mr. James M. Marquis
2121 Sacramento #604
San Francisco, California 94109

Dear Mr. Marquis:

Your request for operating capital for gold mining operation on your property located in Calaveras County, California, has been declined.

Very truly yours,

P. F. Miller
Vice President and Manager

PFM:pjk

METALLURGICAL LABORATORIES, INC. CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO, CALIFORNIA 94103 • AREA CODE 415 863-8575

REPORT OF ASSAY — 3. d

Submitted by Marquis Mining Company
2121 Sacramento Street
San Francisco, California 94109

Date July 1, 1968

Jon. Marquis
General Del.
West Point, Ca.
95255

Sample of Minerals

P. O. No.

Lab. No. 1735

MARK	GOLD, PER TON OF 2,000 LBS.		SILVER, PER TON OF 2,000 LBS.		%	%	%
	TROY OUNCES	VALUE AT $35.00 OZ.	TROY OUNCES	VALUE			
#2 - NS Ledge	7.39		0.32				

METALLURGICAL LABORATORIES, INC.

By [signature]

J.M. Marquis
General Delivery
West Point, Calif.
95255

Photo 19. The Mar John gold mine. Camera facing east. *Photo by Mary Hill.*

3.a

1923, the mine was bonded to the Mar-John Com- (Min. Res. of U. S., part I, Metals, 1923, p. 347), ctive mining was not done until 1928 (Logan and ke, 1936, p. 271). A new mill was erected, and the rehabilitated, and worked almost continuously until Some work was done in 1938 by W. F. Hoppe of ls Camp, but the mine has been idle since. The ated total output of the mine is valued at approxi- y $360,000 (Louis Domenghini, personal communi- n, 1957). Beginning about 1925 and continuing inter- ntly until 1930, prospecting for cobalt was done e northeast end of the property. Although several of cobalt-bearing ore were mined, apparently none marketed (Logan and Franke, 1936, p. 273).

tive gold, pyrite, galena, and minor amounts of erite are found in five northeast-trending quartz that range from 2 to 4 feet in thickness. The prin- vein is the Calaveras vein, which strikes N. 70° E. dips to the southeast. Country rock is mica schist, and quartzite of the Calaveras formation. The dump contains small amounts of diorite and gabbro. At the lt prospect, small amounts of smaltite and erythrite arsenopyrite were found in a stringer a few inches in mica schist and quartzite.

he property is developed by the 450-foot Calaveras Iar John shaft with levels at 120, 240, 350, and 450 and a 350-foot shaft 400 feet to the southeast. Most he stoping was done between these two shafts. Cross- have been driven northwest and southeast from the foot level. The southeast-trending crosscut extends he Enchantress vein where some drifting was done. The cobalt prospect was developed by a 175-foot shaft.

Ore was treated in a 10-stamp mill with a flotation unit, portions of which remain on the property. During 1935 about 14 tons of ore were milled daily (Logan and Franke, 1936, p. 273). Concentrates were sent to the Amador Metals Reduction Company in Jackson.

Marquis mine

Location: Sec. 12, T. 6 N., R. 13 E., M.D.M., 2 miles southeast of West Point. Ownership: James M. Marquis, West Point, California; leased to Dave Egenhoff and Robert Allen, of West Point.

The Marquis gold mine was opened in 1945 by Mr. Marquis and has been intermittently worked since. Free gold associated with pyrite and galena are in a quartz vein that ranges from a few inches to 16 inches in width. The vein strikes in a northerly direction and dips to the west. Country rock is quartz-diorite and granodiorite. A left lateral fault with a west strike and vertical dip has displaced the vein by 4 feet. The principal ore shoot is at the intersection of the south segment of the vein and the fault. In place the ore shoot is about 6 feet in diameter. It was mined to a height of about 35 feet above the 80-foot level. The ore shoot is believed to persist in depth (James Marquis, personal communication, 1954) but has not been explored. Two smaller quartz veins were encountered at the bottom of the shaft which appear to intersect the faulted north segment of the main vein.

Development work includes an 85-foot, west-inclined shaft with a level at 80 feet. On the 80-foot level, an 18-foot south lateral was driven along the fault zone.

The north segment of the faulted vein was encountered in the crosscut 16 feet from the south lateral. At a distance of 20 feet in the crosscut, the south segment of the vein was encountered and a drift was driven 20 feet south along the vein. A 35-foot raise, which holed an old 55-foot shaft that had been sunk during 1945-46, was driven from the drift south. Some stoping has been done off of the raise. Three men work at the mine.

Mother Lode Central mine

Location: SE¼ sec. 3 and NE¼ sec. 10, T. 2 N., R. 13 E., M.D.M., 1 mile southeast of Angels Camp and just west of State Highway 49. Ownership: Aileen A. Morgans et al., and Tillie Rolleri et al., c/o Romie Rolleri, Angels Camp, California.

This gold mine consists of the Bullion and Marble Springs claims, both of which were originally worked separately. The Bullion claim was mined prior to and during the early 1900s (Logan and Franke, 1935, p. 276). Mother Lode Central Mines, Inc. was organized in 1934 and consolidated the claims. A shaft was sunk on the Marble Springs claim, and a considerable amount of development work was done. Operations ceased in 1939, and the mine has been idle since. Occasionally the dump is used as a source of fill material.

There are two veins on the property, the Marble Springs vein which strikes northwestward and dips 55° NE., and the Bullion vein to the southwest which strikes nearly westward and dips 55° N. The Marble Springs vein is as much as 15 feet thick. An ore shoot was developed on this vein several hundred feet southeast of the shaft, which had a stope length of 130 feet and a pitch length of at least 300 feet. It was reported to have contained ore averaging $7.50 per ton in gold (Julihn and Horton, 1938, p. 117). Country rock is green schist.

The mine is developed by at least three shafts: No. 1 shaft on the Marble Spring claim, which has an inclined depth of 200 feet and from which a 105-foot crosscut extends to the vein on the 200-foot level; No. 2 shaft some 500 feet to the southeast and sunk on the vein, which has an inclined depth of about 600 feet; and an old 150-foot inclined shaft on the Bullion vein. A 500-foot drift connects No. 1 and No. 2 shafts on the 200-foot level. Other than several buildings, no equipment remains on the property.

Mountain King mine

Location: SW¼ sec. 19 and NW¼ sec. 30, T. 2 N., R. 12 E., M.D.M., adjoining the Royal mine on the northwest in the Hodson district, 4 miles northwest of Copperopolis. Ownership: C. W. Stewart and C. E. Nuss, P. O. Box 886, Fresno, California.

The Mountain King gold mine consists of 13 claims which include the Bulger Consolidated, Last Chance, and Mountain King. The property was active in the 1890s (Crawford, 1896, p. 114), and by 1904 it had been developed to an inclined depth of 500 feet. After an idleness of some years, the mine was reopened in 1930 by Byron Rowe (Logan and Franke, 1936, p. 277). At that time the ore was treated in an old 10-stamp mill. the Jumbo Consolidated Mining Company was ized by Mr. Rowe, and this concern operated th erty on a major scale until 1941. The shaft was e to an inclined depth of 1200 feet, and a large n was erected. In 1941 and 1942, El Gabilan Cor of Copperopolis worked the mine. During Wor II, large amounts of copper ore from the K Union mines at Copperopolis were concentrate mill. A partnership known as the Mountain K and Mine Company reopened the mine in 1 worked it by open-pit methods until 1948. F months in 1953, asbestos ore from the Jamesto Tuolumne County was treated in the mill. In 1 1956, the New Jersey Zinc Company leased t and the adjoining Royal mine for exploration p This concern sank eight vertical diamond-drill much as 1000 feet in depth in the hanging-wall of the deposit. Since then the property has been i

The value of the total output of the mine is u but it is well over 1 million dollars. In 1940, the p was estimated to have yielded about 300,000 ton that ranged from $3 to $8 per ton in value (F. R. private report, 1940).

This deposit is the north portion of the min area along the Hodson fault zone that extends n from the Royal mine. The total mineralized area mated to be at least 4000 feet long and as muc feet wide (Harry Bush, personal communication The main Mountain King vein system consis quartz veins and stringers strikes N. 32° W. and NE. It ranges from 5 to 50 feet in thickness. Amp schist and greenstone form the hanging wall an posa slate the footwall. Numerous quartz string the hanging wall, and shoots of "gray ore" cons mineralized amphibolite and greenstone are near tersection of these stringers and the main vein. O during the 1930s had an average value of $5 to ton (Julihn and Horton, 1938, p. 119). The conc had an average value of about $150 per ton F. R., 1940). Another quartz vein lying to the n known as the Pine Log vein, intersects the M King between the 800- and 1000-foot levels.

The mine is developed by the 26-degree-incline foot Mountain King shaft. Levels at 150, 200, 3 600, 800, 1000, and 1200 feet total more than 5000 underground workings. The principal developme has been done on the 800-, 1000-, and 1200-foo On the 200-foot level, a 120-foot crosscut extend east to the Pine Log vein where an inclined raise to the surface. About 100 feet northwest from the tain King shaft is the 110-foot Bulger shaft. The tain King shaft is open.

The open pit, which was mined during the pe 1945-48, is 800 feet southeast of the Mountain Kin The pit is 300 feet long, 120 feet wide, and as 75 feet deep. About 1700 feet east of the shaft are open cuts. The mill, which remains on the propert tains ore bins, a jaw crusher, a gyratory crusher,

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/17/70	Kirkemo	120
6/19	Kulogood	
		220
		120
		220

AIRMAIL

Mr. James M. Marquis
P. O. Box F
West Point, California 95255

JUN 22 1970

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

Careful study of your application for financial assistance to explore the subject property and of other information available to us indicates that the probability of disclosing significant ore reserves on the property is not sufficiently promising to justify Government participation in the proposed work. Accordingly, we must inform you that your application for exploration assistance is denied.

We regret the necessity for this action, which, however, is taken without prejudice to the property. Should you perform additional work on the property and obtain samples and assay data which would reasonably establish the existence of specific targets that warrant exploration, we shall be pleased to consider a new application at that time.

We wish to thank you for your interest in the minerals exploration program and for bringing your property to our attention.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region II
Mr. Kirkemo
130

HKirkemo/gla 6-17-70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/17/70		120
		220

June 17, 1970

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Justification for Denial of Application

The Applicant in an amended application proposed sinking a shaft about 200 feet, then crosscutting and drifting several hundred feet to explore for gold deposits in narrow quartz veins along faults in quartz diorite. The total cost of the work was estimated to be $20,000, of which the Government's share would be $15,000. The original application was for a more extensive program estimated to cost $75,000, with the Government's share totalling $56,250.

The property had been developed by two shafts 85 feet and 35 feet deep, respectively, with about 150 feet of crosscut and drift, and small stopes above the drifts. These workings are caved and inaccessible. Surface facilities, including a 3-stamp mill and concentrating tables, are in poor condition. The Applicant had made no attempt to rehabilitate the underground workings or surface facilities in the two years since submitting the original application.

No geologic or mine maps, assay data or shipment records were available for review by the Field Officer. No exposures of mineralized material were accessible for examination and sampling. Sacked or scattered ore on the surface near an old storage bin were sampled and assayed. Assays of four samples indicate gold content up to 12.53 ozs. per ton and silver 16.65 ozs. per ton. The Field Officer concluded that the Applicant should determine the property boundaries and make the workings accessible for inspection, mapping, and sampling. If the results of this preliminary work are favorable, a modest drilling program followed by shaft sinking and drifting may be warranted.

On the basis of insufficient evidence to adequately evaluate the Applicant's proposal, the Field Officer recommends that the application be denied without prejudice to the property. I concur in this recommendation.

Harold Kirkemo

Harold Kirkemo

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
Mr. Kirkemo
HKirkemo/gla 6-17-70

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

June 4, 1970

ORIGINAL COPY
O. M. E.
RECEIVED
JUN 8 1970

INITIALS	CODE
gla	20
bal	20
HK	20

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Enclosed is an Application Report on the subject property recommending that the application be denied without prejudice on the basis that insufficient information is available to adequately appraise the potential of the property. If the Applicant, at some future time, is able to reopen the caved workings for examination or can expose the gold-bearing vein by surface pits or trenches, it is possible that a small exploration project consisting of diamond drilling or underground drifting can be justified.

H. K. Stager

Enclosure

UNITED STATES

DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, SECRETARY

GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION II

APPLICATION REPORT

OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

By

H. K. Stager
Field Officer
OME, Region II

June 4, 1970

ON-SITE
EXAM.RPT.

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ILLUSTRATIONS

Figure 1. Index map of Calaveras County, California

INTRODUCTION

Mr. James M. Marquis, P.O. Box F, West Point, California 95255, applied to the Office of Minerals Exploration for Government assistance in an exploration project, Docket OME-6747, to explore for gold at the Marquis Mine, Calaveras County, California. The Applicant infers the presence of minable gold ore bodies along quartz veins in quartz diorite on the property and wishes to explore the deposit by sinking a shaft, drifting, and crosscutting.

A review and field examination was requested by the Office of Minerals Exploration and was made by H. K. Stager, Field Officer, on May 6, 1970, accompanied by Mr. James M. Marquis. The Applicant's maps, reports, and assays were examined and four samples were taken of ore stockpiled on the property.

SUMMARY

The Marquis Mine contains a small gold deposit along narrow quartz veins in quartz diorite. There are no outcrops or underground exposures of the vein accessible for study, and the available information is too meager and conflicting to adequately appraise the potential of the deposit.

The Applicant proposed to explore the vein by sinking a new shaft to a depth of about 200 feet, crosscutting and drifting, at an estimated cost of about $20,000, of which the Government's share would be $15,000.

During the past two years, since the application was first submitted, the Applicant has made no attempt to expose the mineralized structures or to prepare the property for examination. If the Applicant would prepare an accurate map of the mine area and reopen some of the old workings to expose the mineralized structures for study, a small diamond drilling or drifting project could possibly be justified.

RECOMMENDATIONS

It is recommended that the application be denied without prejudice on the basis that insufficient information is available to adequately appraise the potential of the property.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Marquis Mine is in sec. 12, T. 6 N., R. 13 E., MDM, Calaveras County, California (Fig. 1), in the western foothills of the Sierra Nevada at an altitude of about 2,700 feet.

To reach the property, that is about 2 miles southeast of West Point (the closest town), drive northeast on a paved county road for 1.4 miles, turn right (south) and drive 1.8 miles on the partly paved and partly graded dirt road to Bear Creek, cross the creek and turn left up a narrow dirt road about 0.1 mile to Mr. Marquis' home and mine. The road is passable to ordinary passenger cars and the drive from West Point requires about 15 minutes.

All necessary services, supplies, equipment, and labor are available in Jackson, about 25 miles to the west. There is some timber and ample water on the property. Assay service, at a cost of about $5 per sample for gold and silver, is available in San Francisco (150 miles) or Mariposa (110 miles).

PROPERTY

History and Production

Placer gold was discovered in the area about 1860 and there has been extensive placer mining along most of the streams. Several lode mines in the district have been worked intermittently over the past 100 years, but the total production has not been large. Mr. Marquis acquired the property in 1943, as a home site, and discovered the gold-bearing quartz vein in 1945.

He operated the mine intermittently in 1946-47 and leased the mine to several lumberjacks in 1953-54, and a small amount of ore was mined. Total production has been about 15 tons of ore that averaged about 4 ounces of gold and 4 ounces of silver per ton. There has been no work done at the property since 1954.

Ownership

The property consists of 15.72 acres of patented agricultural land, including mineral rights, known as the Lucky Sun Ranch, and is owned by the Applicant. The legal description of the land was not stated in the application. The property is smaller in size than a standard mining claim and is surrounded by other privately owned land.

Financial Eligibility

The Applicant furnished copies of letters to four banks requesting loans for the proposed work and also copies of letters from the banks denying the loans. The Applicant proposed to furnish his share of the exploration costs in cash and from the sale of ore he expected to mine during the period of the exploration.

Development

The property is developed by an inclined shaft, 85 feet in depth, and about 100 feet of drifting and crosscutting on the 80-foot level. A small amount of raising and stoping is also reported. The shaft caved in 1962 and is inaccessible. An older prospect shaft, 35 feet in depth with about 50 feet of drifting, was reported by the Applicant, but these workings are also caved and inaccessible.

Surface facilities consist of a small tool shed, ore bin, and compressor house all in poor condition. There is an old 3-stamp mill and concentrating

table, in dilapidated condition, on the property. Mr. Marquis has built a new home, garage, and several other buildings on the property, but these are not part of the mine facilities.

GEOLOGY

Geologic Setting

The Marquis Mine is in an area of low relief and the rocks are covered by alluvium, slope wash, and dense vegetation. There are no outcrops and all of the prospect pits, shafts, and roadcuts are sloughed in or covered by slope wash and brush. The rocks contained in old mine dumps are chiefly granodiorite and quartz diorite of probable Upper Jurassic or Early Cretaceous age. These rocks are part of a large mass of granitic rocks of the Sierra Nevada batholith that are intruded into metamorphic rocks of the Calaveras Formation of Carboniferous age.

Several faults that strike northerly and dip steeply west are reported to have been exposed in the, now inaccessible, mine workings, and it is along these faults that the gold-bearing quartz veins occur.

Ore Deposits

The ore bodies that are reported to have been mined in the Marquis Mine consisted of gold- and silver-rich ore shoots in quartz veins that strike north and dip steeply west. These veins range from a few inches to as much as three feet in thickness but average about one foot in thickness. Ore minerals are free gold and argentiferous galena. Gangue minerals are quartz, pyrite, and arsenopyrite. Oxidation extends to the water level at a depth of about 35 feet below the surface. The gold content ranges from a trace to more than 12 ounces per ton and the silver content from a trace to more than 16 ounces per ton. The 15 tons of ore that the Applicant reports as having

been mined from the deposit averaged about 4 ounces of gold and 4 ounces of silver per ton.

Sampling

There were no exposures of mineralized material accessible at the time of the examination and no samples were taken of rock in place. Four grab samples were taken, however, of sacked ore and of material under the old ore bin. These samples were assayed as follows:

Sample No.	Ounces Per Ton Gold	Silver	Description
M-1	12.53	16.65	Sacked sulfide ore, less than 1 ton
M-2	3.39	Trace	Sacked oxide ore, less than 1 ton
M-3	6.58	3.35	Sacked ore at shaft collar, about 1 ton
M-4	0.38	Trace	Ore from under bin, about 1 ton

Ore Reserves

The Applicant did not include an estimate of ore reserves and an estimate is not possible while the workings are inaccessible. There are no maps of the workings, assay data, or detailed descriptions of the ore shoots available. Stockpiled ore probably totals less than 3 tons.

EXPLORATION

Applicant's Proposal

The Applicant originally proposed to explore the deposit by sinking a new shaft to a depth of 200 feet, drift and crosscut about 1,000 feet on two levels. This work was estimated to require about two years to complete and cost about $75,000. A revised proposal consisted of 200 feet of shaft and several hundred feet of drifting and crosscutting at an estimated cost of $20,000.

Neither of these proposals has adequate planning or justification and the probable costs would be far in excess of the Applicant's estimates and financial capability.

Before an exploration program can be properly planned, it will be necessary for the Applicant to obtain an accurate survey of his property boundaries and the location of the old shafts. The old workings should be reopened if possible or new pits and trenches excavated to expose the veins for study and mapping. If the preliminary work appears favorable, two or three inclined diamond drill holes should be drilled to explore the vein, or veins, at depth and along the strike. Then if the results of the drilling are favorable, a project of shaft sinking and drifting might be justified.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6747
(Gold)

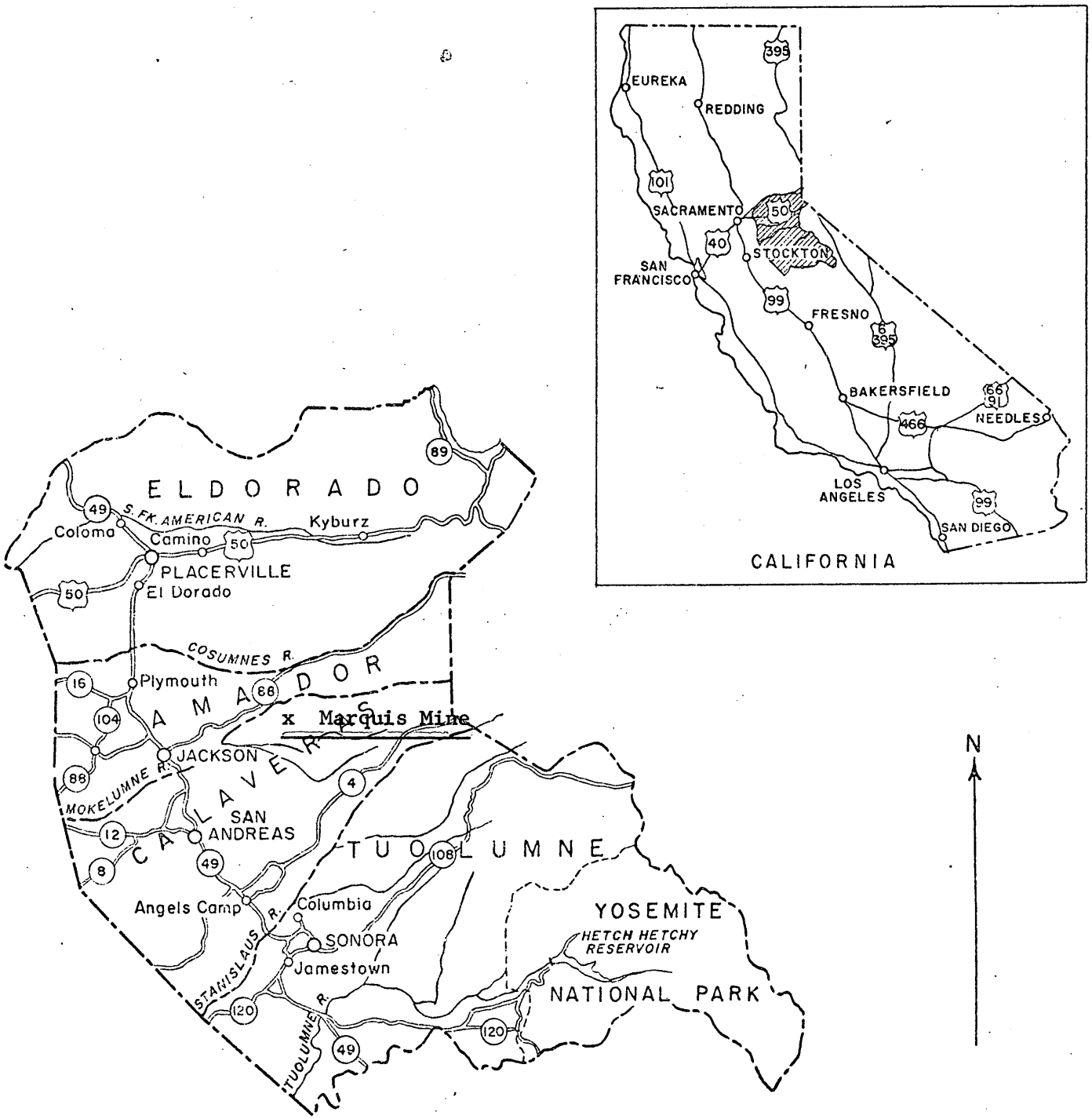

Figure 1. INDEX MAP OF ELDORADO, AMADOR, CALAVERAS, AND TUOLUMNE COUNTIES, CALIFORNIA

0 20 40 60 Miles

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/21/70		120
4/21	Cac	220
		120M

APR 21 1970

AIRMAIL

Mr. James M. Marquis
P. O. Box F
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

This will acknowledge receipt of your letter of April 15, 1970, requesting that we keep your application for exploration assistance in an active status.

Accordingly, the application is now being referred to Mr. Harold K. Stager, Field Officer, Region II, Office of Minerals Exploration, U. S. Geological Survey Building 2, 345 Middlefield Road, Menlo Park, California 94025.

Mr. Stager will notify you if he requires additional information concerning the application. The processing of the application will follow the action outlined in our letter to you dated January 2, 1970.

This letter should not be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME Docket
OME Reading file
OME Region II w/cy incoming letter
Mr. Kirkemo

HKirkemo/gla 4-21-70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/21/70		120
		220
		120M

APR 21 1970

AIRMAIL

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

In response to the Applicant's request of April 15, 1970, we are resuming the processing of the subject application for exploration assistance, and are referring it to you for further study, a field examination if warranted when you are in the vicinity of the property on other field work of the program, and recommendations.

Some of the information in the application is now out of date. We are not requesting the Applicant to furnish up-to-date material until such time as it may be required. The Applicant has done the best he can in completing the application and seems to have included all the data known to him concerning the property.

Harold Kirkemo (gla)

Harold Kirkemo

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading file
Mr. Kirkemo
130

HKirkemo/gla 4-21-70

P. O. Box F
West Point, Calif. 95255
April 15, 1970

CONTROL
CODE
O. M. E.
RECEIVED
APR 20 1970
INITIALS CODE
130
bal 120
HK 120

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
USDA - Geological Survey
Washington, D. C. 20242

RE: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, Calif.

Dear Mr. Kirkemo:

This is to assure you I am interested in keeping my application on the active list and await further notice from you.

Sincerely,

James R Marquis

James Milburn Marquis

Copy to R-II

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/18/70		120
		220
		120M

MAR 1 8 1970

AIRMAIL

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

On January 2, 1970, we wrote you outlining the current situation regarding the processing of pending applications for OME financial assistance. Will you please inform us of your plans regarding your application. If you have decided not to pursue it further, will you please so inform us.

If we do not receive a reply from you within 30 days from the date of this letter, we will assume that you are no longer interested in your application and we shall consider it as having been withdrawn.

Sincerely yours,

Harold Kirkemo (gh)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region II
Mr. Kirkemo

HKirkemo/bsl 3/18/70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/2/70		120
		220
		120M

JAN 2 1970

AIRMAIL

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

We wrote you on July 16, 1969 to advise that our funding situation then precluded full consideration of your application for financial assistance to explore the Marquis mine. In late November 1969 we learned that funds for contracting purposes in the fiscal year ending June 30, 1970, are sufficient for only a few new contracts. The extent of future contracting will depend on availability of funds.

Owing to curtailment of the program, the processing of applications is being delayed. Therefore, field examinations necessary to reach decisions on applications are being made largely in connection with other field work of the program. In due course of time we will inform you whether or not your application can be approved for a contract when funds are available. Priority on available funds will be given to approved applications offering the best opportunities for making significant discoveries.

Under these circumstances, should you wish to withdraw your application, please so advise. If you wish to keep your application in active status, we will process it as explained above.

We regret that this action is necessary, but under present funding circumstances we cannot offer better service at this time.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region II
Mr. Kirkemo

HKirkemo/bsl 1/2/70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/16/69		120
7/16	Cor	220
		120M

AIRMAIL

JUL 16 1969

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

This is to acknowledge receipt of your amended application dated June 10, 1969.

We have postponed processing applications received recently pending definite information regarding availability of funds for the fiscal year beginning July 1, 1969. Although appropriations have not yet been made for the current year, we understand that funds will be much less than were available for the year that ended June 30, and we are authorized to operate only at the level of the anticipated reduced funds. Under this situation, action on pending applications must be postponed, as proposed contracts already drafted and awaiting execution will require more funds than are available. When we can again process new applications, first priority will be given to those offering the best opportunities for making significant discoveries.

We regret that we cannot make a decision on your application at present and we are unable to estimate when we may be of possible assistance to you. When circumstances permit, we will process your application within the limitations stated above.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region II
Mr. Kirkemo

HKirkemo/gla 7-16-69

Memorandum to Field Officer:
Only one set of MME Form 40, dated June 20, 1969, and enclosures were received in W.O. If needed, Xerox copies can be made and forwarded.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 12 1969

INITIALS	CODE
gla	130
bal	120
	170

AIRMAIL

Mr. James M. Marquis
P. O. Box 161
West Point, California 95255

JAN 24 1969

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

We note your request for an additional 120-day extension of your application for financial assistance to explore the Marquis mine.

We will consider the application to be in active status until June 12, 1969, in accordance with your plans to submit a complete application before that date. Your attention is directed to our letter dated August 15, 1968, wherein we listed the information needed to complete the application.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/24/69	Kirkemo	120
		110
1/24	cre	220
		120M

AIRMAIL

JAN 24 1969

Mr. James M. Marquis
P. O. Box 161
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

We note your request for an additional 120-day extension of your application for financial assistance to explore the Marquis mine.

We will consider the application to be in active status until June 12, 1969, in accordance with your plans to submit a complete application before that date. Your attention is directed to our letter dated August 15, 1968, wherein we listed the information needed to complete the application.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME docket
OME Reading File
OME Region II w/cy letter 1/20/69
Mr. Kirkemo

HKirkemo/gla 1-24-69

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COPY
O. M. E.
RECEIVED
JAN 22 1969

INITIALS	CODE
	130
	120
	140
	120

P. O. Box 161
West Point, California 95255
January 20, 1969

Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
USDA Geological Survey
Washington, D. C. 20242

RE: OME-6747 (Gold)

Dear Mr. Johnson:

Thank you for your letter of November 12, 1968, granting me an extension until February 12, 1969 to submit changes in my applicati[illegible]

I appreciate the fact that you cannot hold this file open indefinitely, but because of delays beyond my control in winding up the deal which will put me in a financial position to carry my portion of the exploration project I am writing to request an additional extension of 120 days from February 12. I am confident that I shall be able to proceed well before that date and will do so the minute my affairs permit. As I wrote you, I expect to devote full time to my exploration project and am in the process now of "clearing the decks" for action.

Sincerely,

James Milburn Marquis

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/12/68	Kirkemo	120
		110
		220
		120M

AIRMAIL

NOV 12 1968

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

Thank you for your letter of October 23, 1968, requesting OME to hold your application open until sometime after January 1, 1969, when you expect to submit changes to your application.

Accordingly, we shall be pleased to keep your application in active status for an additional 90 days. We cannot indefinitely defer action on an application, so if we do not receive any further information from you by February 12, 1969, we shall consider the application as having been withdrawn.

Sincerely yours,

Harold Kirkemo (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME docket
OME Reading File
OME Region II w/cy incoming letter
Mr. Kirkemo

HKirkemo/gla 11-12-68

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 25 1968
INITIALS CODE
HK 120

October 23, 1968
West Point, California 95255

Mr. Frank E. Johnson
Chief, Office of Minerals Exploration
USDI-Geological Survey
Washington, D. C. 20242

Re: OME-6747 (Gold)

Dear Sir:

Thank you for your letter of October 14. I plan to proceed with my mine actively after January 1, 1969, when I will be in a better cash position. Also, I will then be able to devote 100% of my personal time to the mine project. I would not trust any one else when I am not on the premises.

Shortly after the first of next year I will re-submit my application with amendments and revisions.

Sincerely,

James Milburn Marquis

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/14/68	Peterson	120
	(on leave)	120
		110
		220
		120M

OCT 14 1968

AIRMAIL

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

On August 15, 1968, we wrote you outlining certain information which was necessary to continue the processing of your application. To date, we have not received this data. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region II
Mr. Kirkemo

ECPeterson/bsl 10/16/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/15/68	Kirkham	120
		120
		110
8/15	CAC	220
		120M

AUG 15 1968

Mr. James M. Marquis
General Delivery
West Point, California 95255

Re: OME-6747 (Gold)
James Milburn Marquis
Marquis Mine
Calaveras County, California

Dear Mr. Marquis:

A preliminary review of your application for financial assistance to explore the Marquis mine indicates that additional information is required before we can continue its processing.

The information needed is listed below under the same headings as appear on the back of the application form (OME Form 40).

1. Financial Eligibility:

(a) Your letters to the banks should state the amount of the loan requested (equal to the Government's share if an OME contract were executed), how you propose to repay the loan, and specific use of the funds requested, whether for exploration, development, mining, or plant construction. In your letters to the banks you did not identify the property, nor give any indication of your ability to repay a loan. The banks would have no recourse but to deny the request on the basis of the limited information furnished in your letters.

(b) Your share of the estimated costs of the proposed project would be $18,750 (25 percent of the total cost of $75,000). This amount greatly exceeds the $2,000 in cash you report as available for the project, plus allowance for the use of your own equipment on the project.

Funds are not paid in advance by the Government on an OME project. The Government pays its share of the cost at the end of each month after a voucher for the expenses incurred has been submitted and approved. It usually takes two or three weeks to process a voucher, so an Operator should have sufficient funds readily available to pay for all the costs during the first two or three months of work, and for the Operator's share each month thereafter. Part of the Operator's share of the costs may be contributed through the use of Applicant - owned equipment as follows:

The allowance for use of equipment owned by the Operator is calculated in an OME contract by allowing depreciation to the extent of 1/60th of its fair market value or its book value, whichever is less, for each month the equipment is used on the contract. If the equipment is rented a fair rental charge per month is allowed. We find that credit for use of equipment does not equal the Operator's share of the costs, and, therefore, the balance must be furnished from cash resources.

In view of the information indicating that you would need additional funds to pay your share of the costs of the project, you may have to consider a smaller program of exploration than the one proposed in your application.

2. Applicant's Rights in Land:

(b) Please furnish names of the claims involved in the proposed project, and if the claims are unpatented, please state the book and page number of each recorded location notice, and official place where recorded. If the claims are patented, furnish the official mineral survey or patent number of each claim.

A map showing these claims, and the location of the proposed work should be furnished as requested under the next heading.

3. Physical Description:

(a) Maps should be furnished to show in detail the claims, existing mine workings, and the location of the proposed work. A map of the underground workings should be furnished also. The geologic features described in the application and locations, numbers, and widths of samples taken, and assays reported should be indicated on the maps, or on sketches and cross sections related to the maps.

(f) The locations of the specific targets you propose to explore should be indicated on the maps.

5. Exploration Work:

(a) The extent of each item of proposed work and its relation to the exploration targets, existing mine workings, and claim boundaries should be shown on maps and described fully. From the information furnished in the application, some of the proposed work appears to be related to development and mining operations rather than exploration. Development and mining operations are not eligible for financial assistance under the OME program.

(b) The proposed location of the access road in relation to the claims should be indicated on the map or maps furnished in response to item 3(a) previously mentioned. Extensive expense for road preparation, particularly outside the boundaries of your claims, cannot be included in an OME contract.

7. Estimate of Costs:

Please note that detailed estimates of the necessary costs for each item of work proposed should be provided as requested under categories (b) through (g) of this item. Cost per foot of drift, crosscut, raise, shaft, or winze, and the number of units required for each item of work should be furnished. If any of the work is to be performed by an independent contractor, the requirements under 7(a) should be noted.

We shall hold the further processing of your application until the information necessary to complete it has been received. Nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region II
Mr. Kirkemo

HKirkemo/bsl 8/15/68

August 1, 1968

Mr. James Milburn Marquis
General Delivery
West Point, California 95255

Subject: OME-6747

Dear Mr. Marquis:

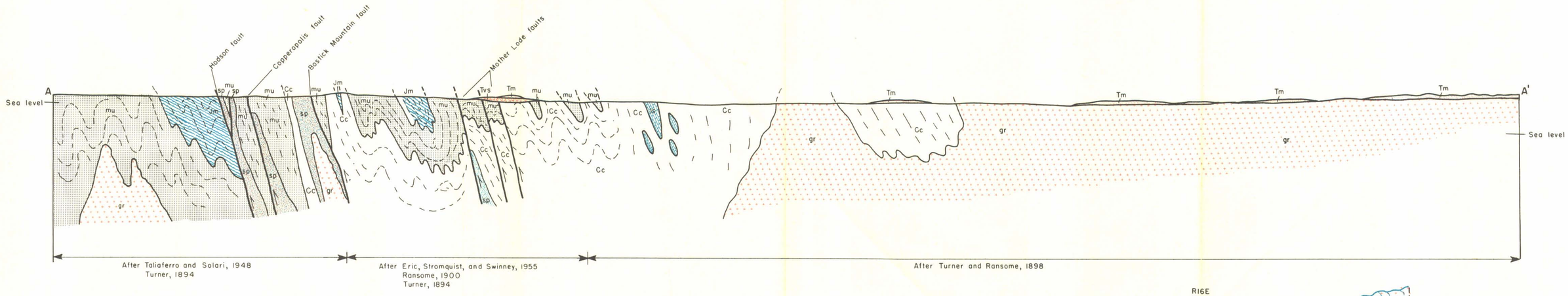
Your application for exploration assistance, dated July 25, 1968, submitted to our office at Menlo Park, California, has been assigned Docket No. OME-6747.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region II

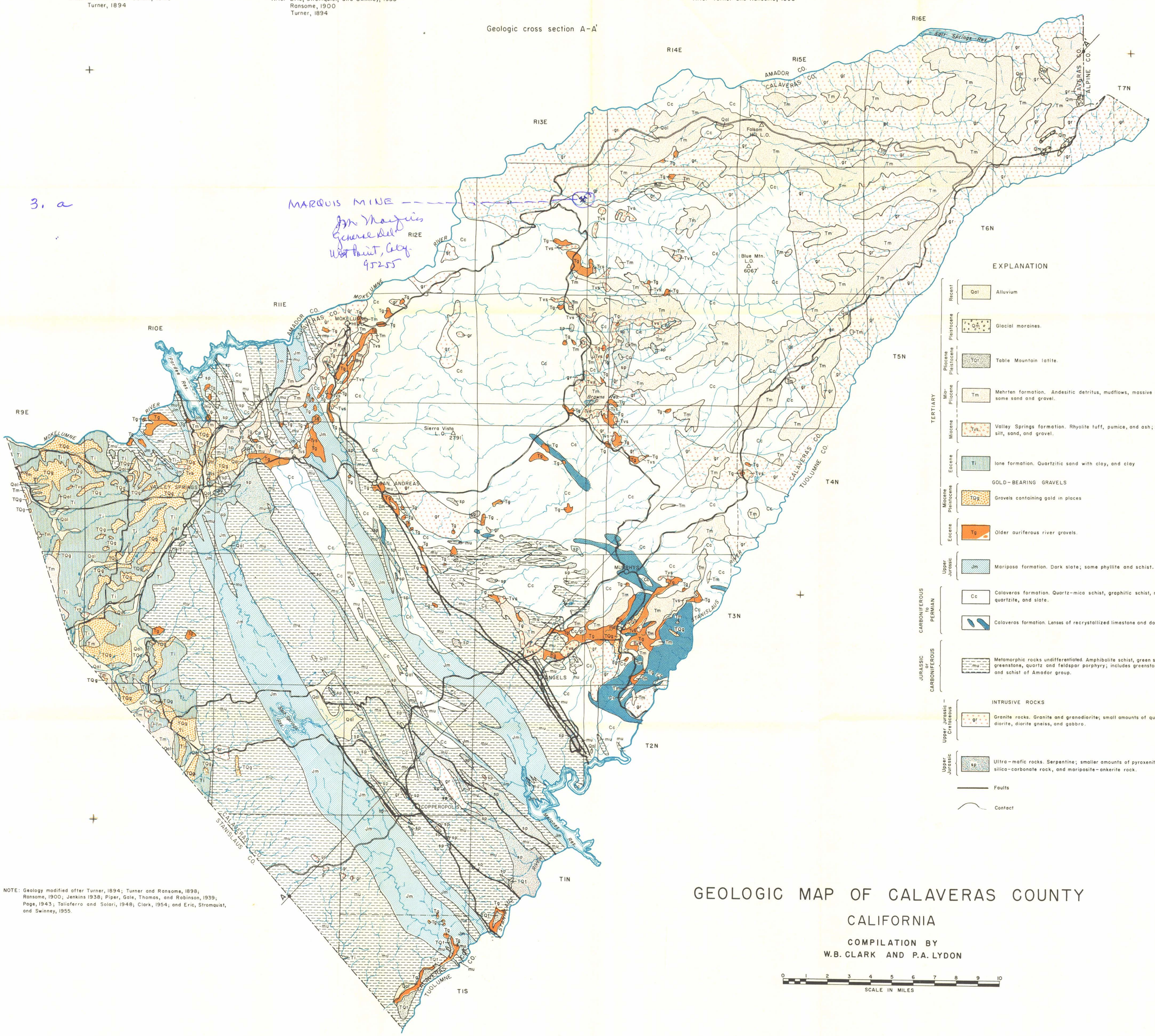


Geologic cross section A–A'

3. a

MARQUIS MINE

Jon Marquis
General Del
West Point, Calif.
95255



EXPLANATION

TERTIARY — Recent	Qal	Alluvium
TERTIARY — Pleistocene	Qm	Glacial moraines.
TERTIARY — Pliocene Pleistocene	TQt	Table Mountain latite.
TERTIARY — Mio-Pliocene	Tm	Mehrten formation. Andesitic detritus, mudflows, massive andesite; some sand and gravel.
TERTIARY — Miocene	Tvs	Valley Springs formation. Rhyolite tuff, pumice, and ash; some clay, silt, sand, and gravel.
TERTIARY — Eocene	Ti	Ione formation. Quartzitic sand with clay, and clay
GOLD-BEARING GRAVELS — Miocene Pleistocene	TQg	Gravels containing gold in places
GOLD-BEARING GRAVELS — Eocene	Tg	Older auriferous river gravels.
Upper Jurassic	Jm	Mariposa formation. Dark slate; some phyllite and schist.
CARBONIFEROUS to PERMIAN	Cc	Calaveras formation. Quartz-mica schist, graphitic schist, metachert, quartzite, and slate.
CARBONIFEROUS to PERMIAN		Calaveras formation. Lenses of recrystallized limestone and dolomite.
JURASSIC or CARBONIFEROUS	mu	Metamorphic rocks undifferentiated. Amphibolite schist, green schist, greenstone, quartz and feldspar porphyry; includes greenstone, phyllite, and schist of Amador group.
INTRUSIVE ROCKS — Upper Jurassic–Cretaceous	gr	Granite rocks. Granite and granodiorite; small amounts of quartz diorite, diorite, diorite gneiss, and gabbro.
Upper Jurassic	sp	Ultra-mafic rocks. Serpentine; smaller amounts of pyroxenite, gabbro, silica-carbonate rock, and mariposite-ankerite rock.
		Faults
		Contact

NOTE: Geology modified after Turner, 1894; Turner and Ransome, 1898; Ransome, 1900; Jenkins 1938; Piper, Gale, Thomas, and Robinson, 1939; Page, 1943; Taliaferro and Solari, 1948; Clark, 1954; and Eric, Stromquist, and Swinney, 1955.

GEOLOGIC MAP OF CALAVERAS COUNTY
CALIFORNIA

COMPILATION BY
W.B. CLARK AND P.A. LYDON

0 1 2 3 4 5 6 7 8 9 10
SCALE IN MILES

DIVISION OF MINES AND GEOLOGY
IAN CAMPBELL, STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

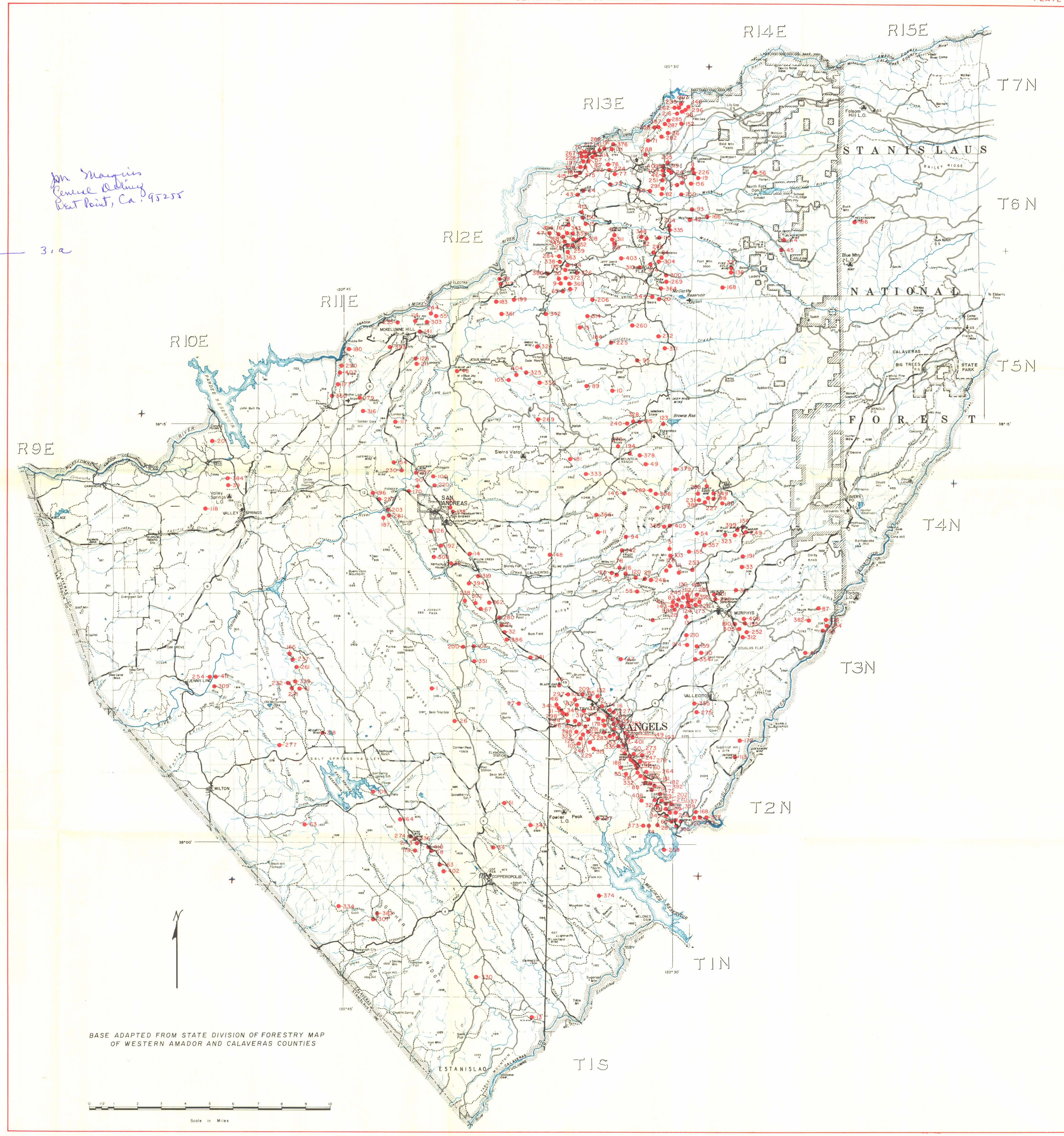
COUNTY REPORT 2
PLATE B

MINES SHOWN ON PLATE B

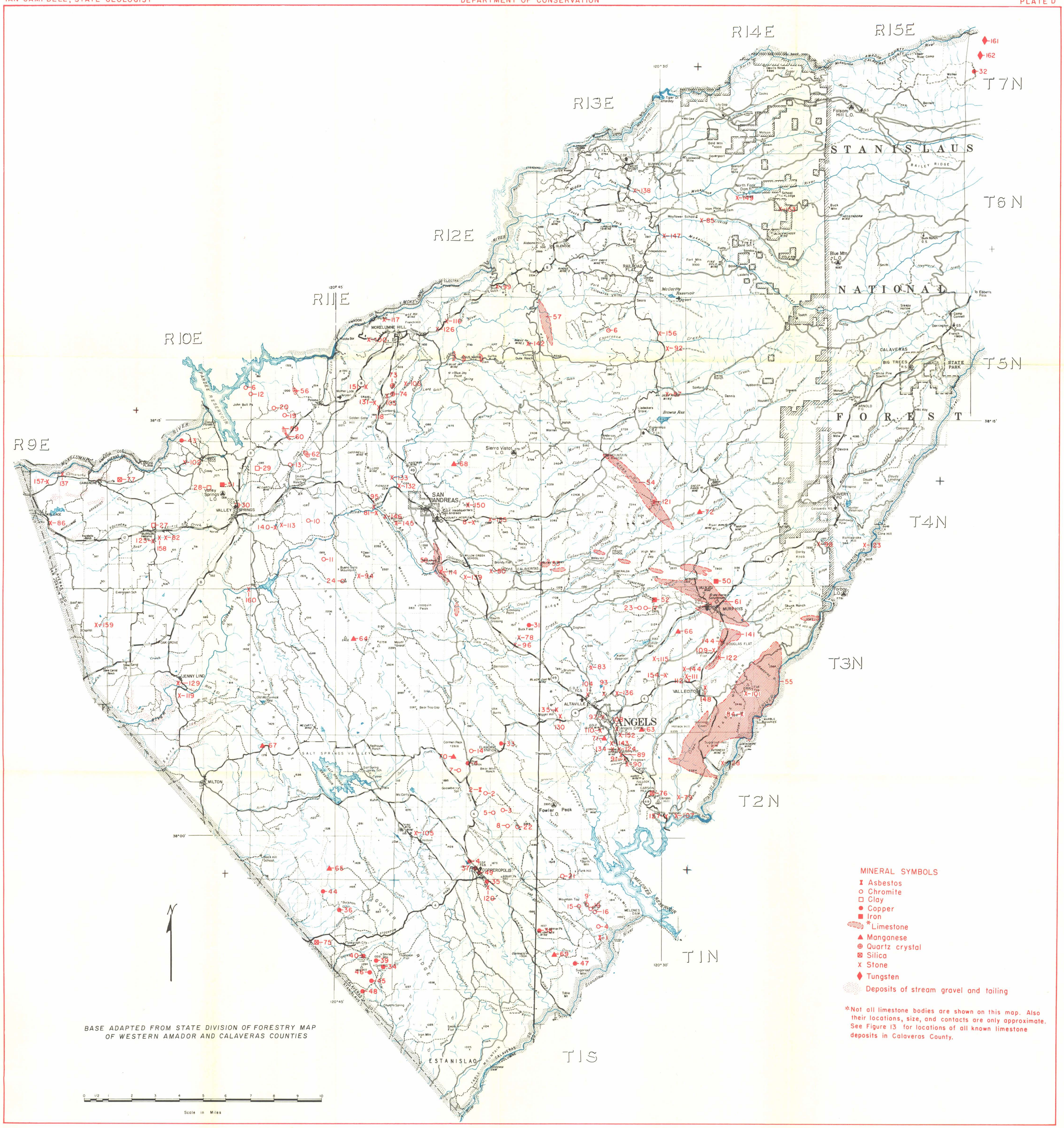
Map no.	Name	Location Sec.	T (N)	R (E)	Map no.	Name	Location Sec.	T (N)	R (E)
1	Able	20	3	12	210	Keystone	12	3	13
2	Adelaide	24	2	13	211	Lamphear	18	5	12
3	Adelia	5	2	13	212	Last Chance	14	2	13
4	Admiral Dewey	7	4	14	213	Last Chance	34	3	13
5	Alameda	26	4	13	214	Last Chance	13	3	13
6	Alaska	12	6	13	215	Last Chance	1	3	13
7	Alexander	31, 32	6	13	216	Last Chance	25	7	13
8	Alliance	1	6	13	217	Last Chance	32	7	13
9	Alpha	31	6	13	218	La Verne	20	6	13
10	Alpha & Omega	21	5	13	219	Lawson	21	6	13
11	Alpine	20, 21	4	13	220	Leonard	8	4	12
12	Altaville	28	3	13	221	Lightner	33	3	13
13	Alto	36	1	12	222	Lindsey	33	3	13
14	Ambrosia	28	4	12	223	Linnet	5	6	13
15	American Eagle	9	5	13	224	Littlefield	8	6	13
16	Angels	33	3	13	225	Little Giant	9	5	13
17	Angels Deep	33	3	13	226	Lockwood	1	6	13
18	Auction	5	6	13	227	Lodi	18	4	14
19	Austrian	6	6	14	228	Lone Star	32	7	13
20	A.V.G.	35	6	13	229	Longworth	32	3	13
21	Bachman	10, 11	3	12	230	Lookout Mountain	1	4	11
22	Bald Eagle	23	6	13	231	Lost Boy	18	4	14
23	Banner	19	6	13	232	Lost Log	20	3	11
24	Bartola	1	6	13	233	Lost Mexican	24	7	13
25	Basco	33	4	13	234	Louise	12	3	14
26	Bear Mountain	33	3	12	235	Lucas	1	5	11
27	Beatrice	1	3	13	236	Lucky	11	5	12
28	Belle	23	2	13	237	Lucky Boy	17	3	11
29	Bence	34	4	13	238	Lucky Boy	4	3	12
30	Bendigo	30	6	13	239	Madison	33	3	13
31	Benson	30	3	13	240	Main & Fort Ritter	27	5	13
32	Big Four	11	3	12	241	Maloney	13	3	12
33	Big Horn	29, 30, 32	4	14	242	Maltman	28	3	13
					243	Maltos & Mexican	30	2	12
34	Big Seven	27	2	12	244	Mammoth & Jupiter	5	5	12
35	Big Spring	3	2	13	245	Manhatten	1	3	13
36	Billy Williams	26	7	13	246	Marble Fay	32	3	13
37	Birney	26	3	13	247	Marble Springs	10	2	13
38	Bismark	29	4	12	248	Maria	35	4	13
39	Black Jack	11	4	10	249	Mar John	21	4	13
40	Black Oak	19	3	13	250	Marquis	12	6	13
41	Black Oak	33	7	13	251	Matrimony	2	6	13
42	Black Oak and Glory Forth	13	6	13	252	Matteson	9	3	14
43	Blackstone	8	6	13	253	Max Cross	36	4	13
44	Black Wonder	22	6	14	254	Mayflower	23	3	10
45	Black Wonder Extension	22	6	14	255	Mayflower	6	3	14
46	Blazing Star	2	6	13	256	Melones	13, 24	2	13
47	Blue Jay	19	6	13	257	Mester	14	4	11
48	Blue Jay	16, 21	5	12	258	Mexican	24	2	13
49	Blue Ribbon	3	4	13	259	Mexican	20	6	13
50	Bolitha	3	2	13	260	Michel	3, 10	5	13
51	Bonanza	14	2	12	261	Midnight	17	3	11
52	Bonanza Pocket	11	3	13	262	Minnesota	24	7	13
53	Bone Hard	33	4	13	263	Miralda	6	3	14
54	Bon Ton	19	4	13	264	Missouri	11	2	13
55	Boston	5	5	12	265	Mohawk	35	6	13
56	Boston Flat	4	6	14	266	Mohawk	31	3	13
57	Boulder	32	7	13	267	Mohican	32	7	13
58	Brazza	34	4	13	268	Monmouth	32	7	13
59	Bright Star	35	6	12	269	Montana	25	5	12
60	Bruner	10	2	13	270	Morgan	13	2	13
61	Buckeye	20	3	11	271	Morning Star	20	3	11
62	Buckhorn	1	3	13	272	Morning Star	11	5	13
63	Buena Vista	20	2	11	273	Mother Lode Central	10	2	13
64	Buena Vista	8	6	13	274	Mountain King	19	2	12
65	Bull Dog	31	6	13	275	Mount Nebo	30	3	14
66	Bullion	10	2	13	276	Murray Creek	33	5	13
67	Burgess	3	3	12	277	Nancy Ann	6	2	11
68	Butcher Shop	29	2	12	278	Nellie	3	2	13
69	Calaveras	24	2	13	279	New Ford	26, 35	4	13
70	Calaveras Columbus	32	7	13	280	Norma	27	5	12
71	Calendar	35	7	13	281	North Branch	13	4	11
72	California Ophir	14	2	13	282	North Star	35	7	13
73	Carlton	9	6	13	283	North Star	33	3	13
74	Carson Creek	23	2	13	284	Nucleus	30	6	13
75	Caruthers	20	4	14	285	Oakum	26	7	13
76	Centennial	4	6	13	286	Old Dan Reynolds	23	6	13
77	Champion	4	6	13	287	Old Gray	26	7	13
78	Chaparral and Blue Ribbon	28	4	13	288	Old Henry	34, 35	7	13
79	Chaparral Hill	14	2	13	289	Old McKinney	11	4	13
80	Chavenne	17	4	14	290	Oneto	15	5	11
81	Cherokee	29	3	13	291	Oriental	11	6	13
82	Chino	11	6	13	292	Oriole Cons.	3	2	13
83	Christmas	1	3	13	293	Oro y Plata	6	3	14
84	Clary	26	6	13	294	Osborne	30	3	13
85	Claude	10	2	13	295	Our Flag	19	2	14
86	Clifton Ranch	29	3	13	296	Owl	24	7	13
87	Collier	1	3	14	297	Panuga	30	3	13
88	Columbia	11	2	13	298	Parnell	30	3	13
89	Columbus	20	5	13	299	Patsy Bob	25, 26	2	13
90	Commodore	7	4	12	300	Pay Day	26	6	13
91	Continental	33	7	13	301	Pay Rock	6	3	14
92	Cook	23	3	13	302	Pedro	4	3	12
93	Corn Meal	13	6	13	303	Peek Ranch	5, 6	5	12
94	Cow Bell	22	4	13	304	Petticoat	26	6	13
95	Cow Bell	15	5	13	305	Piety Hill	8	3	14
96	Cross	24, 25	7	13	306	Pilot	14	4	13
97	Crossette	26	3	12	307	Pioneer	11	1	11
98	Crown Point	1	3	13	308	Pioneer Chief	29	4	12
99	Crystal	33	3	13	309	Plymouth Rock	23	3	10
100	Culbertson	8	4	12	310	Poe	27	6	13
101	Curiosity	5	2	13	311	Poor Man	21	6	13
102	Curtis	29	3	13	312	Poverty Hill	9	3	14
103	Dalmatia	26	4	13	313	Pride of Bummerville	2	6	13
104	Dan Reynolds	26	6	13	314	Prussian Hill	5	5	13
105	Dauphine	14, 23	5	12	315	Pure Quill	4	2	13
106	Deer Lodge	12	3	14	316	Quaker City	26	5	11
107	Demarest	16	3	12	317	Quartz Glen	35	6	12
108	Demarest	33	3	13	318	Ranch	33	3	11
109	Diamond Jack	14	2	11	319	Rathgeb	33, 34	4	12
110	Dolly Varden	18	3	14	320	Red Hill	19	2	14
111	Dora Cons.	36	4	13	321	Relief	14	2	13
112	Dragone	1	3	13	322	Reisler Ranch	32	3	13
113	Dutchess Cons.	5, 9	2	14	323	Right Bower	20	4	14
114	Easyz Bird	6	5	12	324	Rindge No. 1	12	5	12
115	Eberhardt	23	6	13	325	Rindge No. 2	13, 14	5	12
116	Economic	34	4	13	326	Rindge No. 3	29	6	13
117	Edna	25	5	11	327	Rising Sun	19	2	14
118	Emma	15	4	10	328	Ritter	27	5	13
119	Empire	30	2	12	329	Riverside	5	6	13
120	Esmeralda	34	4	13	330	Rodden	22	1	12
121	Etna	18	6	13	331	Romaggi & Costa	10	2	13
122	Etna King	33	3	13	332	Romaggi Family	11	2	13
123	Ettie B.	26	5	13	333	Rose Hill	5, 8	4	13
124	Eureka	1	3	13	334	Rosella	3	1	11
125	Evening Star	32	3	13	335	Rough and Ready	13	6	13
126	Everlasting	19, 20	4	12	336	Royal	30	2	12
127	Ever Ready	32	7	13	337	Russell	3	2	13
128	Excelsior	18	5	12	338	Ruth Belle	30	6	13
129	Extension	14	2	13	339	Ryland Cons.	20	3	11
130	Fair Play	1	3	13	340	Sacramento	29	3	13
131	Falcon	1	3	13	341	Safe Deposit	30	3	13
132	Fazzi	28, 29	3	13	342	Salvador	6	5	13
133	Fellowcraft	17	4	12	343	San Bruno	20	6	13
134	Fenian	20, 21	4	14	344	Sanderson	35	6	13
135	Fidelity	30	6	13	345	San Pedro	19	6	13
136	Fine Gold	29	6	14	346	Santa Cruz	24	2	13
137	Finnegan	13	2	13	347	Sarah	24	2	12
138	Ford	17	4	12	348	Senica	15, 22, 23	6	13
139	Foster	33	3	13					
140	Fredda	1, 12	6	13	349	Sheep Ranch	7	4	14
141	French Hill	7	5	12	350	Shenandoah	24	5	12
142	Fricot Cons.	28	4	13	351	Shotgun	16	3	12
143	Garfield	1	3	13	352	Sierra King	20	6	13
144	Garibaldi	30	6	13	353	Sierra Queen	20	6	13
145	Gaston Hill	9, 10	4	13	354	Smith	18	3	14
146	General Arthur	24	7	13	355	Smythe	30	3	14
147	German Ridge & Jupiter	15, 16	3	13	356	Soap Root	11	6	13
148	Gertrude	25	4	12	357	Sonoma	30	4	14
149	Ghost	34	3	13	358	Soren	26	7	13
150	Gilded Age	17	6	13	359	South Carolina	24	2	13
151	Glencoe	17	6	13	360	South Paloma	27, 28	5	11
152	Gold Bug	25	7	13	361	Sparrow Hawk	2	5	12
153	Gold Cliff	33	3	13	362	Specimen	3	3	12
154	Golden Hill	1	4	11	363	Spring Day	19	6	13
155	Golden Reef	25	4	13	364	Stand By	35	6	13
156	Golden Rule	12	6	13	365	Stanislaus	24	2	13
157	Golden Star	2	2	13	366	Starlight	17	4	13
158	Golden Sulphuret	12	3	14	367	Star of the West	26	7	13
159	Gold Hill	18	3	14	368	Stoetzer	19	6	13
160	Gold Hill	32	3	13	369	Stonewall Jackson	31, 32	6	13
161	Gold Hill	11	2	13	370	Sultana	33	3	13
162	Gold King	26	6	14	371	Summit	11	5	13
163	Gold Knoll	32	2	12	372	Summit	30, 31	6	13
164	Gold Metal	24	2	11	373	Sunny Side	23	2	13
165	Gold Standard	17	3	11	374	Surf & Cordes	4	1	13
166	Gold Star	18	6	14	375	Swallow	5	6	13
167	Good Hope	19	6	13	376	Sweepstakes	33	7	13
168	Good Luck	32	6	14	377	Swiss	29	6	14
169	Gopher	19	2	14	378	Table Mountain	3	4	13
170	Gottschalk	7	4	12	379	Table Mountain	1	4	13
171	Granite	33	7	13	380	Tangier	30	6	13
172	Grasshopper	4, 5	2	14	381	Tanner	32	4	14
173	Great Divide	1	3	13	382	Taylor	11	3	14
174	Great Western	28	3	13	383	Tecumsah	11, 12	1	11
175	Greek	14	4	13	384	Texas	11	4	10
176	Gumboot	26	4	13	385	Thomas	23	4	13
177	Gwinn	22	5	11	386	Thorpe	11	3	12
178	Hale	33	3	13	387	Tollgate	32	3	13
179	Hamby	23, 26	5	11	388	Tom Smith	7	4	14
180	Hancock & Tibbits	10	5	11	389	Toon	18	4	14
181	Hardscrabble	6	4	13	390	Total Wreck	6	3	14
182	Hardy	11, 14	2	13	391	Triple Lode	32	3	13
183	Hawkins	34	6	12	392	Tulloch	11, 14	2	13
184	Hazel Dell	8	5	13	393	Union Cons.	12	5	11
185	Hazel Emma	27	5	13	394	Union	33	4	12
186	Heckendorn	18	6	15	395	Utica	33, 34	3	13
187	Helen	13	4	11	396	Valentine	19	6	13
188	Hicks	10	2	13	397	Vonich	21	2	13
189	Hidden Treasure	1	3	13	398	Wagon Rut	32	3	13
190	Hidden Treasure	8	3	14	399	Washington	20	4	14
191	Hill Top	29, 30	4	14	400	Water Lily	2	6	13
192	Holland	20, 29	4	12	401	Waterman	3	2	13
193	Holy Ghost	34	3	13	402	Watson	32	2	12
194	Hostler	3	4	13	403	Wet Gulch	27	6	13
195	Hub	9	3	14	404	Wet Gulch	14	5	12
196	Hudson	11	4	11	405	Wheelock	23	4	13
197	Humming Bird	5	6	13	406	White Pine	9	3	14
198	Hurricane	18	4	14	407	White Swan	15	5	11
199	Ilex	35	6	12	408	Whittle	14	2	13
200	Illinois	16	3	12	409	Wide West	2	6	13
201	Ingomar	34, 35	5	10	410	Wilbur Womble	29	2	12
202	Iron Rock	14	2	13	411	Wild Goose	23	3	10
203	Jackson	13	4	11	412	Wolverine	21	6	13
204	Jasper	13	6	13	413	Woodhouse	17	6	13
205	John Henry	1, 2	6	13	414	Yanix	32	7	13
206	Kaiser Wilhelm	32	6	13	415	Yellow Aster	5	6	13
207	Kate Hageman	6, 7	4	12	416	Yellowstone	30	3	13
208	Keltz	24	7	13	417	Young America	14	3	14
209	Keystone	29	3	13					

Jon Marquis
General Delivery
West Point, Ca. 95255

3, a



MAP OF CALAVERAS COUNTY SHOWING LOCATIONS OF LODE GOLD MINES AND PROSPECTS



BASE ADAPTED FROM STATE DIVISION OF FORESTRY MAP OF WESTERN AMADOR AND CALAVERAS COUNTIES

MINERAL SYMBOLS

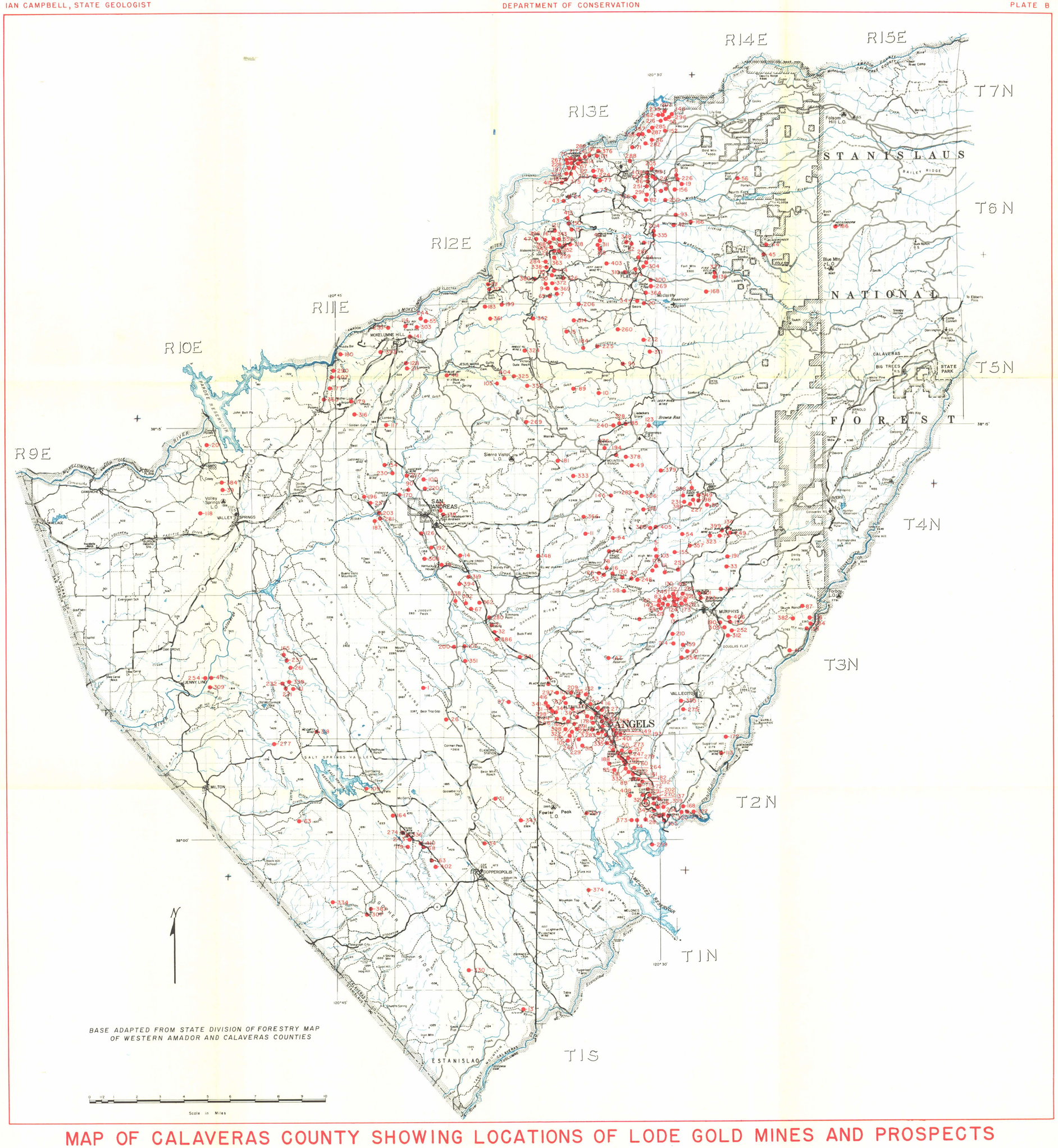
- Asbestos
- Chromite
- Clay
- Copper
- Iron
- *Limestone
- Manganese
- Quartz crystal
- Silica
- Stone
- Tungsten
- Deposits of stream gravel and tailing

*Not all limestone bodies are shown on this map. Also their locations, size, and contacts are only approximate. See Figure 13 for locations of all known limestone deposits in Calaveras County.

MAP OF CALAVERAS COUNTY SHOWING MINES AND MINERAL DEPOSITS, EXCEPT GOLD

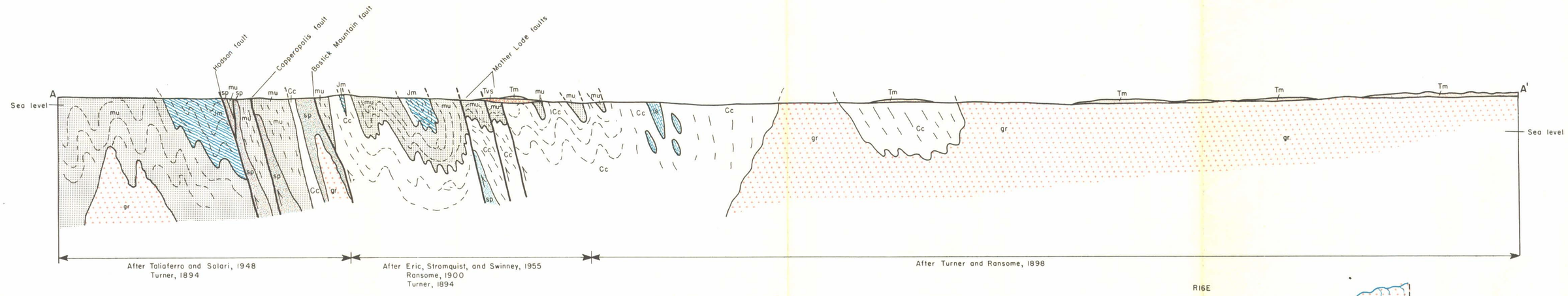
MINES SHOWN ON PLATE B

Map no.	Name	Location Sec.	T (N)	R (E)
1	Able	20	3	12
2	Adelaide	24	2	13
3	Adelia	5	2	13
4	Admiral Dewey	7	4	14
5	Alameda	26	4	13
6	Alaska	12	6	13
7	Alexander	31, 32	6	13
8	Alliance	1	6	13
9	Alpha	31	6	13
10	Alpha & Omega	21	5	13
11	Alpine	20, 21	4	13
12	Altaville	28	3	13
13	Alto	36	1	12
14	Ambrosia	28	4	12
15	American Eagle	9	5	13
16	Angels	33	3	13
17	Angels Deep	33	3	13
18	Auction	5	6	13
19	Austrian	6	6	14
20	A.V.G.	35	6	13
21	Bachman	10, 11	3	12
22	Bald Eagle	23	6	13
23	Banner	19	6	13
24	Bartola	1	6	13
25	Basco	33	4	13
26	Bear Mountain	33	3	12
27	Beatrice	1	3	13
28	Belle	23	2	13
29	Bence	34	4	13
30	Bendigo	30	6	13
31	Benson	30	3	13
32	Big Four	11	3	12
33	Big Horn	29, 30, 32	4	14
34	Big Seven	27	2	12
35	Big Spring	3	2	13
36	Billy Williams	26	7	13
37	Bimey	26	3	13
38	Bismark	29	4	12
39	Black Jack	11	4	10
40	Black Oak	19	3	13
41	Black Oak	33	7	13
42	Black Oak and Glory Forth	13	6	13
43	Blackstone	8	6	13
44	Black Wonder	22	6	14
45	Black Wonder Extension	22	6	14
46	Blazing Star	5	6	13
47	Blue Jay	19	6	13
48	Blue Jay	16, 21	5	12
49	Blue Ribbon	3	4	13
50	Bolitha	3	2	13
51	Bonanza	14	2	12
52	Bonanza Pocket	11	3	13
53	Bone Hard	33	4	13
54	Bon Ton	19	4	13
55	Boston	5	5	12
56	Boston Flat	4	6	14
57	Boulder	32	7	13
58	Brazza	34	4	13
59	Bright Star	35	6	12
60	Bruner	10	2	13
61	Buckeye	20	3	11
62	Buckhorn	1	3	13
63	Buena Vista	20	2	11
64	Buena Vista	8	6	13
65	Bull Dog	31	6	13
66	Bullion	10	2	13
67	Burgess	3	3	12
68	Butcher Shop	29	2	12
69	Calaveras	24	2	13
70	Calaveras Columbus	32	7	13
71	Calendar	35	7	13
72	California Ophir	14	2	13
73	Carlton	9	6	13
74	Carson Creek	23	2	13
75	Caruthers	20	4	14
76	Centennial	4	6	13
77	Champion	4	6	13
78	Chaparral and Blue Ribbon	28	4	13
79	Chaparral Hill	14	2	13
80	Chavenne	17	4	14
81	Cherokee	29	3	13
82	Chino	11	6	13
83	Christmas	1	3	13
84	Clary	26	6	13
85	Claude	10	2	13
86	Clifton Ranch	29	3	13
87	Collier	1	3	14
88	Columbia	11	2	13
89	Columbus	20	5	13
90	Commodore	7	4	12
91	Continental	33	7	13
92	Cook	23	3	13
93	Corn Meal	13	6	13
94	Cow Bell	22	4	13
95	Cow Bell	15	5	13
96	Cross	24, 25	7	13
97	Crossette	26	3	12
98	Crown Point	1	3	13
99	Crystal	33	3	13
100	Culbertson	8	4	12
101	Curiosity	5	2	13
102	Curtis	29	3	13
103	Dalmatia	26	4	13
104	Dan Reynolds	26	6	13
105	Dauphine	14, 23	5	12
106	Deer Lodge	12	3	14
107	Demarest	16	3	12
108	Demarest	33	3	13
109	Diamond Jack	14	2	11
110	Dolly Varden	18	3	14
111	Dora Cons.	36	4	13
112	Dragone	1	3	13
113	Dutchess Cons.	5, 9	2	14
114	Easyz Bird	6	5	12
115	Eberhardt	23	6	13
116	Economic	34	4	13
117	Edna	25	5	11
118	Emma	15	4	10
119	Empire	30	2	12
120	Esmeralda	34	4	13
121	Etna	18	6	13
122	Etna King	33	3	13
123	Ettie B.	26	5	13
124	Eureka	1	3	13
125	Evening Star	32	3	13
126	Everlasting	19, 20	4	12
127	Ever Ready	32	7	13
128	Excelsior	18	5	12
129	Extension	14	2	13
130	Fair Play	1	3	13
131	Falcon	1	3	13
132	Fazzi	28, 29	3	13
133	Fellowcraft	17	4	12
134	Fenian	20, 21	4	14
135	Fidelity	30	6	13
136	Fine Gold	29	6	14
137	Finnegan	13	2	13
138	Ford	17	4	12
139	Foster	33	3	13
140	Fredda	1, 12	6	13
141	French Hill	7	5	12
142	Fricot Cons.	28	4	13
143	Garfield	1	3	13
144	Garibaldi	30	6	13
145	Gaston Hill	9, 10	4	13
146	General Arthur	24	7	13
147	German Ridge & Jupiter	15, 16	3	13
148	Gertrude	25	4	12
149	Ghost	34	3	13
150	Gilded Age	17	6	13
151	Glencoe	17	6	13
152	Gold Bug	25	7	13
153	Gold Cliff	33	3	13
154	Golden Hill	1	4	11
155	Golden Reef	25	4	13
156	Golden Rule	12	6	13
157	Golden Star	2	2	13
158	Golden Sulphuret	12	3	14
159	Gold Hill	18	3	14
160	Gold Hill	32	3	13
161	Gold Hill	11	2	13
162	Gold King	26	6	14
163	Gold Knoll	32	2	12
164	Gold Metal	24	2	11
165	Gold Standard	17	3	11
166	Gold Star	18	6	14
167	Good Hope	19	6	13
168	Good Luck	32	6	14
169	Gopher	19	2	14
170	Gottschalk	7	4	12
171	Granite	33	7	13
172	Grasshopper	4, 5	2	14
173	Great Divide	1	3	13
174	Great Western	28	3	13
175	Greek	14	4	13
176	Gumboot	26	4	13
177	Gwinn	22	5	11
178	Hale	33	3	13
179	Hamby	23, 26	5	11
180	Hancock & Tibbits	10	5	11
181	Hardscrabble	6	4	13
182	Hardy	11, 14	2	13
183	Hawkins	34	6	12
184	Hazel Dell	8	5	13
185	Hazel Emma	27	5	13
186	Heckendorn	18	6	15
187	Helen	13	4	11
188	Hicks	10	2	13
189	Hidden Treasure	1	3	13
190	Hidden Treasure	8	3	14
191	Hill Top	29, 30	4	14
192	Holland	20, 29	4	12
193	Holy Ghost	34	3	13
194	Hoofler	3	4	13
195	Hub	9	3	14
196	Hudson	11	4	11
197	Humming Bird	5	6	13
198	Hurricane	18	4	14
199	Ilex	35	6	12
200	Illinois	16	3	12
201	Ingomar	34, 35	5	10
202	Iron Rock	14	2	13
203	Jackson	13	4	11
204	Jasper	13	6	13
205	John Henry	1, 2	6	13
206	Kaiser Wilhelm	32	6	13
207	Kate Hageman	6, 7	4	12
208	Keltz	34	7	13
209	Keystone	29	3	13
210	Keystone	12	3	13
211	Lampbear	18	5	12
212	Last Chance	14	2	13
213	Last Chance	34	3	13
214	Last Chance	13	3	13
215	Last Chance	1	3	13
216	Last Chance	25	7	13
217	Last Chance	32	7	13
218	La Verne	20	6	13
219	Lawson	21	6	13
220	Leonard	8	4	12
221	Lightner	33	3	13
222	Lindsey	33	3	13
223	Linnet	5	6	13
224	Littlefield	8	6	13
225	Little Giant	9	5	13
226	Lockwood	1	6	13
227	Lodi	18	4	14
228	Lone Star	32	7	13
229	Longworth	32	3	13
230	Lookout Mountain	1	4	11
231	Lost Boy	18	4	14
232	Lost Log	20	3	11
233	Lost Mexican	24	7	13
234	Louise	12	3	14
235	Lupas	1	5	11
236	Lucky	11	5	12
237	Lucky Boy	17	3	11
238	Lucky Boy	4	3	12
239	Madison	33	3	13
240	Main & Fort Ritter	27	5	13
241	Maloney	13	3	12
242	Maltman	28	3	13
243	Maltos & Mexican	30	2	12
244	Mammoth & Jupiter	5	5	12
245	Manhatten	1	3	13
246	Marble Fay	32	3	13
247	Marble Springs	10	2	13
248	Maria	35	4	13
249	Mar John	21	4	13
250	Marquis	12	6	13
251	Matrimony	2	6	13
252	Matteson	9	3	14
253	Max Cross	36	4	13
254	Mayflower	23	3	10
255	Mayflower	6	3	14
256	Melones	13, 24	2	13
257	Mester	14	4	11
258	Mexican	24	2	13
259	Mexican	20	6	13
260	Michel	3, 10	5	13
261	Midnight	17	3	11
262	Minnesota	24	7	13
263	Miralda	6	3	14
264	Missouri	11	2	13
265	Mohawk	35	6	13
266	Mohawk	31	3	13
267	Mohican	32	7	13
268	Monmouth	32	7	13
269	Montana	25	5	12
270	Morgan	13	2	13
271	Morning Star	20	3	11
272	Morning Star	11	5	13
273	Mother Lode Central	10	2	13
274	Mountain King	19	2	12
275	Mount Nebo	30	3	14
276	Murray Creek	33	5	13
277	Nancy Ann	6	2	11
278	Nellie	3	2	13
279	New Ford	26, 35	4	13
280	Norma	27	5	12
281	North Branch	13	4	11
282	North Star	35	7	13
283	North Star	33	3	13
284	Nucleus	30	6	13
285	Oakum	26	7	13
286	Old Dan Reynolds	23	6	13
287	Old Gray	26	7	13
288	Old Henry	34, 35	7	13
289	Old McKinney	11	4	13
290	Oneto	15	5	11
291	Oriental	11	6	13
292	Oriole Cons.	3	2	13
293	Oro y Plata	6	3	14
294	Osborne	30	3	13
295	Our Flag	19	2	14
296	Owl	24	7	13
297	Panuga	30	3	13
298	Parnell	30	3	13
299	Patsy Bob	25, 26	2	13
300	Pay Day	26	6	13
301	Pay Rock	6	3	14
302	Pedro	4	3	12
303	Peek Ranch	5, 6	5	12
304	Petticoat	26	6	13
305	Piety Hill	8	3	14
306	Pilot	14	4	13
307	Pioneer	11	1	11
308	Pioneer Chief	29	4	12
309	Plymouth Rock	23	3	10
310	Poe	27	6	13
311	Poor Man	21	6	13
312	Poverty Hill	9	3	14
313	Pride of Bummerville	2	6	13
314	Prussian Hill	5	5	13
315	Pure Quill	4	2	13
316	Quaker City	26	5	11
317	Quartz Glen	35	6	12
318	Ranch	33	3	11
319	Rathgeb	33, 34	4	12
320	Red Hill	19	2	14
321	Relief	14	2	13
322	Reisler Ranch	32	3	13
323	Right Bower	20	4	14
324	Rindge No. 1	12	5	12
325	Rindge No. 2	13, 14	5	12
326	Rindge No. 3	29	6	13
327	Rising Sun	19	2	14
328	Ritter	27	5	13
329	Riverside	5	6	13
330	Rodden	22	1	12
331	Romaggi & Costa	10	2	13
332	Romaggi Family	11	2	13
333	Rose Hill	5, 8	4	13
334	Rosella	3	1	11
335	Rough and Ready	13	6	13
336	Royal	30	2	12
337	Russell	3	2	13
338	Ruth Belle	30	6	13
339	Ryland Cons.	20	3	11
340	Sacramento	29	3	13
341	Safe Deposit	30	3	13
342	Salvador	6	5	13
343	San Bruno	20	6	13
344	Sanderson	35	6	13
345	San Pedro	19	6	13
346	Santa Cruz	24	2	13
347	Sarah	24	2	12
348	Senica	15, 22, 23	6	13
349	Sheep Ranch	7	4	14
350	Shenandoah	24	5	12
351	Shotgun	16	3	12
352	Sierra King	20	6	13
353	Sierra Queen	20	6	13
354	Smith	18	3	14
355	Smythe	30	3	14
356	Soap Root	11	6	13
357	Sonoma	30	4	14
358	Soren	26	7	13
359	South Carolina	24	2	13
360	South Paloma	27, 28	5	11
361	Sparrow Hawk	2	5	12
362	Specimen	3	3	12
363	Spring Day	19	6	13
364	Stand By	35	6	13
365	Stanislaus	24	2	13
366	Starlight	17	4	13
367	Star of the West	26	7	13
368	Stoetzer	19	6	13
369	Stonewall Jackson	31, 32	6	13
370	Sultana	33	3	13
371	Summit	11	5	13
372	Summit	30, 31	6	13
373	Sunny Side	23	2	13
374	Surf & Cordes	4	1	13
375	Swallow	5	6	13
376	Sweepstakes	33	7	13
377	Swiss	29	6	14
378	Table Mountain	3	4	13
379	Table Mountain	1	4	13
380	Tangier	30	6	13
381	Tanner	32	4	14
382	Taylor	11	3	14
383	Tecumsah	11, 12	1	11
384	Texas	11	4	10
385	Thomas	23	4	13
386	Thorpe	11	3	12
387	Tollgate	32	3	13
388	Tom Smith	1	4	14
389	Toon	18	4	14
390	Total Wreck	6	3	14
391	Triple Lode	32	3	13
392	Tulloch	11, 14	2	13
393	Union Cons.	12	5	11
394	Union	33	4	12
395	Utica	33, 34	3	13
396	Valentine	19	6	13
397	Vonich	21	2	13
398	Wagon Rut	32	3	13
399	Washington	20	4	14
400	Water Lily	2	6	13
401	Waterman	3	2	13
402	Watson	32	2	12
403	Wet Gulch	27	6	13
404	Wet Gulch	14	5	12
405	Wheelock	23	4	13
406	White Pine	9	3	14
407	White Swan	15	5	11
408	Whittle	14	2	13
409	Wide West	2	6	13
410	Wilbur Womble	29	2	12
411	Wild Goose	23	3	10
412	Wolverine	21	6	13
413	Woodhouse	17	6	13
414	Yanix	32	7	13
415	Yellow Aster	5	6	13
416	Yellowstone	30	3	13
417	Young America	14	3	14

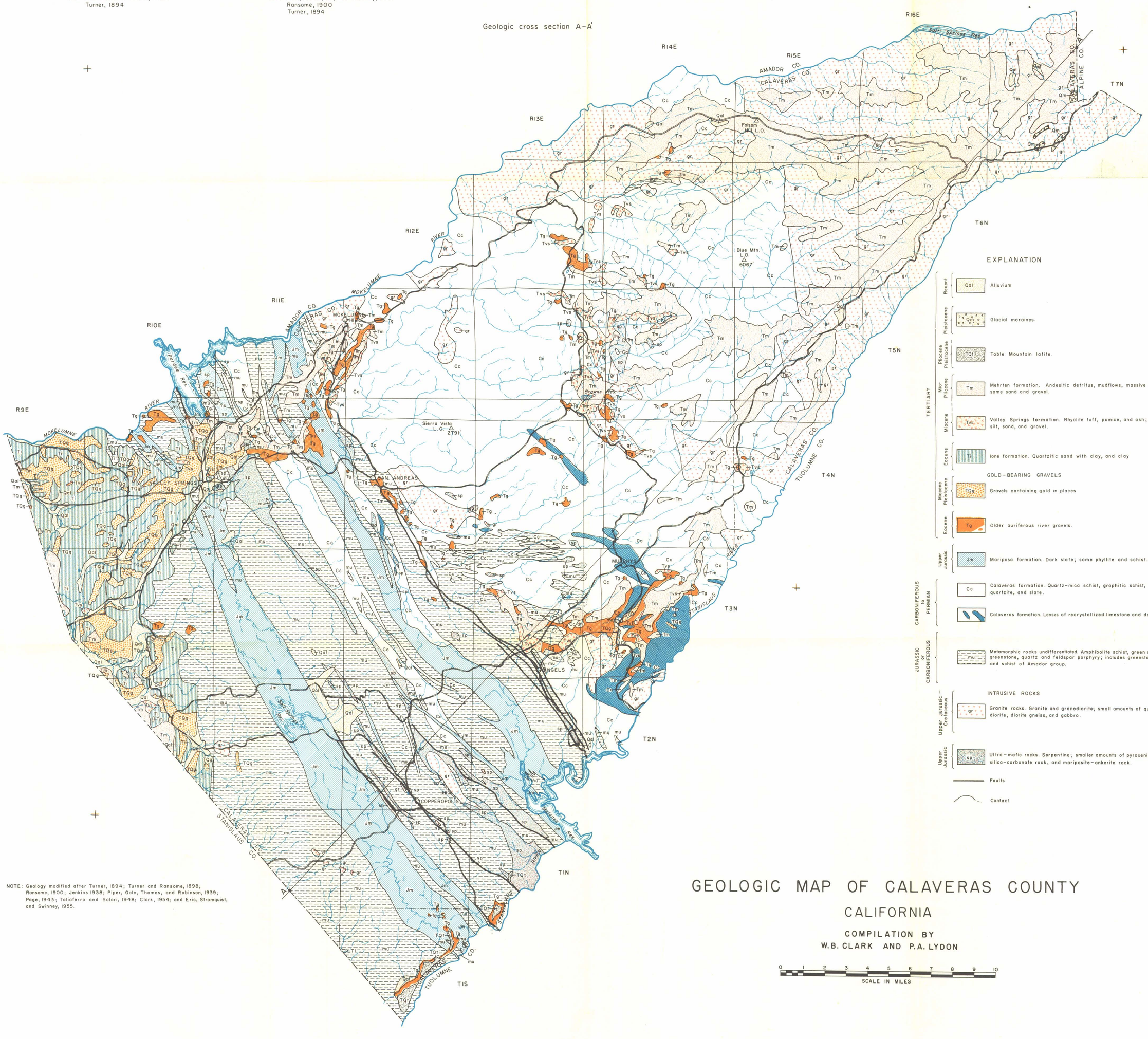


BASE ADAPTED FROM STATE DIVISION OF FORESTRY MAP OF WESTERN AMADOR AND CALAVERAS COUNTIES

MAP OF CALAVERAS COUNTY SHOWING LOCATIONS OF LODE GOLD MINES AND PROSPECTS



Geologic cross section A–A'



NOTE: Geology modified after Turner, 1894; Turner and Ransome, 1898; Ransome, 1900; Jenkins 1938; Piper, Gale, Thomas, and Robinson, 1939; Page, 1943; Taliaferro and Solari, 1948; Clark, 1954; and Eric, Stromquist, and Swinney, 1955.

GEOLOGIC MAP OF CALAVERAS COUNTY

CALIFORNIA

COMPILATION BY
W.B. CLARK AND P.A. LYDON

0 1 2 3 4 5 6 7 8 9 10
SCALE IN MILES