LETTER

GEORGE DEUKMEJIAN, Governor

DEPARTMENT OF FORESTRY

June 29, 1987

Mr. D. J. Everitts
Assistant Chief
Extractive Development Program
State Lands Commission
245 West Broadway, Suite 425
Long Beach, CA 90802

Dear Mr. Everitts,

FILE REFERENCE: W'40526
SCH# 87052507

We have reviewed the Application for a Prospecting Permit by Hecla Mining Company and believe a Negative Declaration would be appropriate for this phase of the project. We offer the following comments for your consideration as the project progresses:

- All activities on the wildlands and equipment used for exploratory purposes will need to comply with the state's fire prevention standards.
- If this area is timberland and the prospecting results in a decision to conduct a mining project, a Timberland Conversion Permit may be required under the Forest Practice Act.

Thank you for the opportunity to comment on this project. If you need further information please contact Doug Wickizer at the above address and phone number.

Sincerely,

Kenneth L. Delfino

Kenneth L. Delfino
Deputy Director for
Resource Management

cc: Bob Brown

CONSERVATION IS WISE USE - KEEP CALIFORNIA GREEN AND GOLDEN

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RESPONSES

1 The prospecting permit requires Hecla Mining Company to comply with all applicable laws and regulations of the United States, State of California and with all applicable requirements of cities and counties.

2 Any mineral extraction lease issued to Hecla Mining Company will require compliance with all applicable laws and regulations of the United States, State of California and with all applicable requirements of cities and counties.

LETTER

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
CENTRAL VALLEY REGION

GEORGE DEUKMEJIAN, GOVERNOR

21 July 1987

Mr. Greg Pelka
State Lands Commission
245 W. Broadway, Suite 425
Long Beach, CA 90802

HECLA MINING COMPANY - EXPLORATORY DRILLING IN ANTELOPE VALLEY, SIERRA COUNTY

1 Hecla Mining Company proposes to drill 13 boreholes on California Department of Fish and Game land. We believe a Negative Declaration will be sufficient to cover our environmental concerns.

The boreholes should be abandoned, whether ground water is encountered or not, using impermeable material such as cement-bentonite grout.

If you have any questions, please call me at (916) 361-5655.

Daniel T. Ward

DANIEL T. WARD
Staff Engineer

DTW:gs

cc: Mr. Joe Heckel, Sierra County Planning Dept., Downieville
Mr. Pete Dobus, Condor Environmental Management, Sonora

RESPONSE

1 See mitigation measure number 6.

All exploratory holes drilled to date by Hecla Mining Company have been abandoned by backfilling cuttings in the hole whether or not water has been encountered.

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LETTER

PETITION REQUESTING EIR FOR
DRILLING PROJECT
PROPOSED FOR ANTELOPE VALLEY
July 1, 1987

The undersigned are responding to a request from the State Lands Commission regarding an application by Hecla Mining Company for a prospecting permit on State Fish and Game lands located in the Antelope Valley of Tahoe National Forest in northern Sierra County, California. A number of concerns lead us to request a full Environmental Impact Report before said permit is issued.

1 Initial concerns center around information on the Environmental Impact Assessment Checklist that are untrue and misleading. Of 69 questions concerning the impact the drilling of 15 wells would cause only 3 have been checked "yes". With out full geological and archeological studies many of the questions in the checklist must be answered "maybe", until more research is done. The proposed drilling is to be done over an identified fault and the effects of disrupting water strata in this area could have a much greater impact than implied.

2 The effect of increased traffic, noise, and dust on the residence of this valley is considerably underplayed in the report presented by Hecla. We are sensitive to the disruption of our life style and are opposed to the activities that will occur with the proposed Hecla Prospecting. Already the activity that has centered around the proposed Hecla project has caused local residence inconvenience as they have been forced to put up with increased traffic in areas that have been, until now, safe, quiet haunts for hiking, riding and bicycling.

3 It is implied in the Environmental Impact Assessment Checklist that no long term effects will result from the proposed prospecting permit in Antelope Valley. This is obviously untrue. This is just the first step in a project which, if undertaken, will subject this valley and the undersigned to disruptions of our way of life and even to the potential for severe health hazards.

We understand that the initial prospecting permit is concerned only with 15 wells, but also feel the initial prospecting cannot be separated from the project as a whole. The magnitude of an open pit mining operation using a cyanide extraction method threatens so much that nothing short of the greatest caution at every step of the projects adoption must be taken.

We the undersigned sincerely hope the State Lands Commission will require an Environmental Impact Report before issuing a prospecting permit for the drilling of wells in Antelope Valley.

Signed by 66 local concerned citizens.

RESPONSES

1 On June 25 and 26, 1987, an archeological field survey of the project area was conducted by Roger H. Werner. No significant cultural resources were located within the project area. A copy of this archeological field survey is on file in the Long Beach office of the State Lands Commission.

According to California Division of Mines and Geology 1:250,000 Geologic Map of California, the Hot Springs Fault is approximately located adjacent to the northeast corner of the project area. Since the drillholes will be properly abandoned immediately after drilling as required by the Commission, rural drilling should not disrupt water strata in the area.

2 The minor amount of increased traffic, noise, and dust generated in the project area will be temporary. Hecla Mining Company estimates drilling time not to exceed one day per hole.

3 This "project" involves a mineral prospecting permit which will only authorize the drilling of 15 exploratory holes. Should the prospecting activities prove successful, the applicant must apply for a mineral extraction lease. Prior to the granting of such lease, an environmental impact report will be prepared, circulated, and considered.

LETTER

Dean Jennings
Star Route,
Loyalton, CA 96118

July 6, 1987

Mr. Gregory J. Fellin
State Lands Commission
[illegible] Broadway, Suite 425
Long Beach, CA 90802

Dear Mr. Fellin:

1 This is a response to your request for comments on the mineral prospecting permit application of Hecla Mining Company for drilling exploratory holes on land owned by California State Fish and Game.

Last Wednesday, July 1st, a meeting was conducted between Hecla Mining representatives and those residents of Sierra County which will be directly affected by their proposal of an open-pit, cyanide leaching process, gold mine.

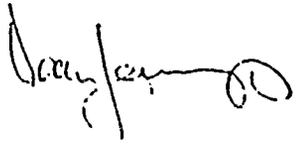
The permit application by Hecla came up during the course of conversation and many of us wondered why your letter of June 19th had not been sent to most of the local residents involved. This oversight has since been corrected; my copy arrived Friday and I thank you.

The environmental impact assessment checklist submitted by Hecla to our office as part of the initial study of the project lacked credibility in many of the question responses. Most of those present felt that for this reason alone, Hecla should be required to submit to an Environmental Impact Report. A petition to that effect will soon be sent to you.

The meeting was held at the Balderston Ranch, which lies due north of the proposed mine and the drilling site in question. Fred Balderston is presently out of the country on business, and cannot respond to your letter. My wife and I have been, and are presently managers of his ranch on a year-round basis and the concerns that he has for this project are well known to us. The proposed drilling site is approximately 1000 yards up-gradient from Jordan Reservoir, which is at the south end of the ranch. We have been licenced by the State to grow trout on a commercial basis, which we have done for the past four years. A drilling operation could have a definate impact were it to disturb those springs feeding the lake. The answers given on the assessment checklist did not address this possibility.

On behalf of Mr. Balderston, I request that an EIR be required for this project. Thank you for your consideration in this matter.

Sincerely,



RESPONSE

1 It has been our experience that properly abandoned drillholes do not affect the water strata.

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LETTER

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
1350 N. Main St., Suite 1
Red Bluff, CA 96080
916-527-2667

July 14, 1987

State Lands Commission
245 West Broadway, Suite 425
Long Beach, CA 90802

Subject: Consultation Pursuant to Sec. 21080.3 of the Public Resource Code: (Antelope Valley Area)

Attention: Mr. Gregory J. Pelka

Dear Mr. Pelka:

1 The U.S.D.A., Soil Conservation Service believes a complete EIR is necessary for proposed mineral exploration in Antelope Valley, Sierra County.

We request this EIR due to concerns over soil, water, forage and wildlife resources in the Valley.

Linden A. Brooks
Area Conservationist

LAB:cjw

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RESPONSE

1 Based on the nature of the project, the comments received from other governmental agencies (see comments received), and past experience with this type of project, we do not agree that an EIR is required.

LETTER

SIERRA VALLEY RESOURCE CONSERVATION DISTRICT

P. O. Box 175
Loyalton, California 96118

July 1, 1987

State Lands Commission
245 West Broadway, Suite 425
Long Beach, CA 90802

Attn: Mr. Gregory J. Pelka

Subject: Consultation Pursuant to Section 21080.3 of the Public Resource Code: (Antelope Valley Area)

1 The Sierra Valley Resource Conservation District requests an EIR for proposed exploration in Antelope Valley.

Louis Genasce, President
Sierra Valley Resource
Conservation District
P. O. Box 175
Loyalton, CA 96118

RESPONSE

1 Comment noted.

File Ref.: W 40526
SCH# 87052507

June 19, 1987

INITIAL STUDY
INTRODUCTION

Hecla Mining Company has applied to the State Lands Commission for a mineral prospecting permit on State Fish and Game proprietary land located in the Antelope Valley of the Tahoe National Forest in northern Sierra County, California. The proposed project involves drilling 13 exploratory holes, 4 1/8 inch in diameter to a maximum depth of 200 feet to explore for precious metals. Access will be obtained by an existing dirt logging road and by off-road travel. Upon completion of drilling, all holes shall be properly abandoned, and drill sites reclaimed.

The permit when issued, is for a two-year period and may be extended for a maximum of one year.

This initial study consists of an environmental impact assessment checklist, detailed project description, information form response and maps.

STATE LANDS COMMISSION
June 1987

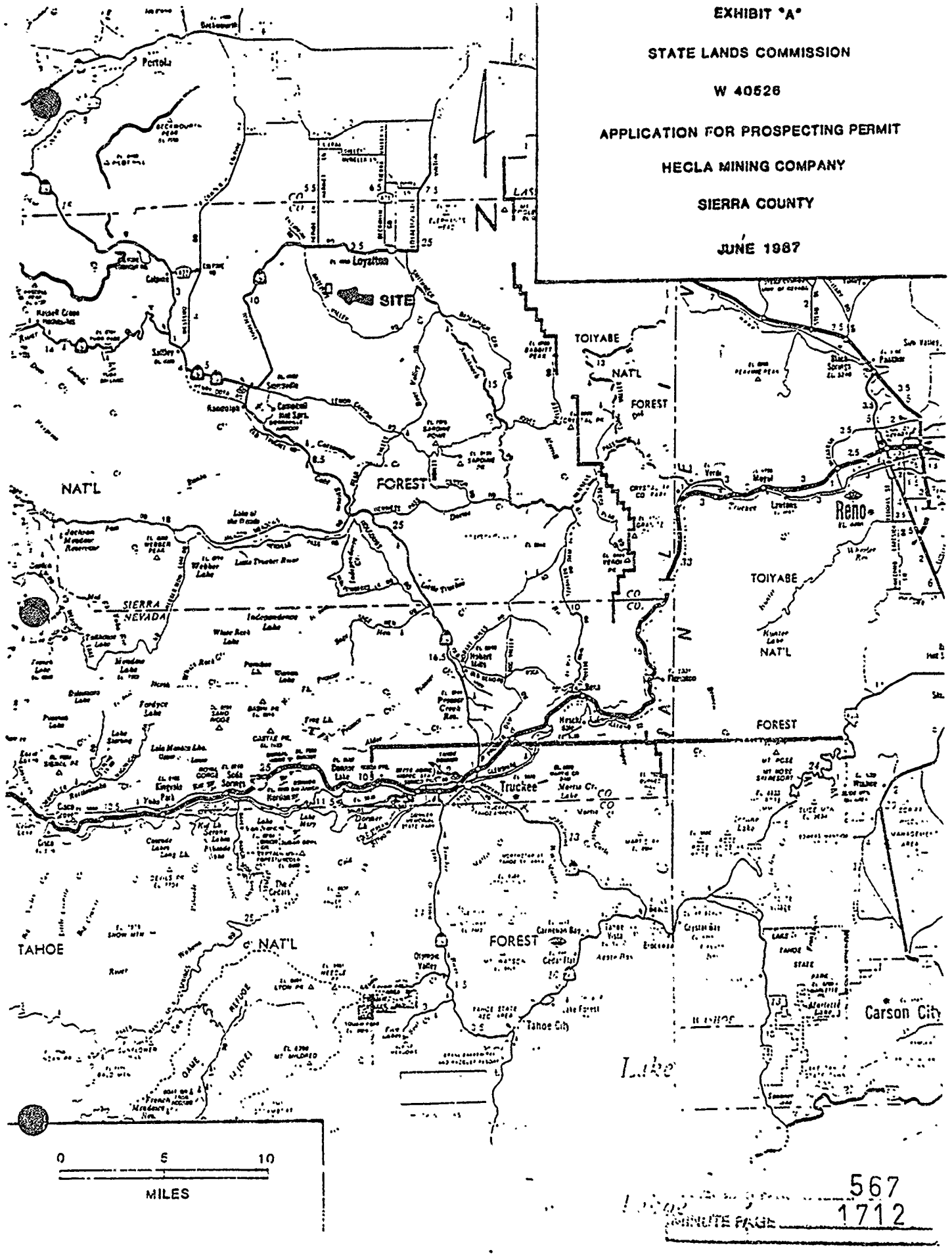
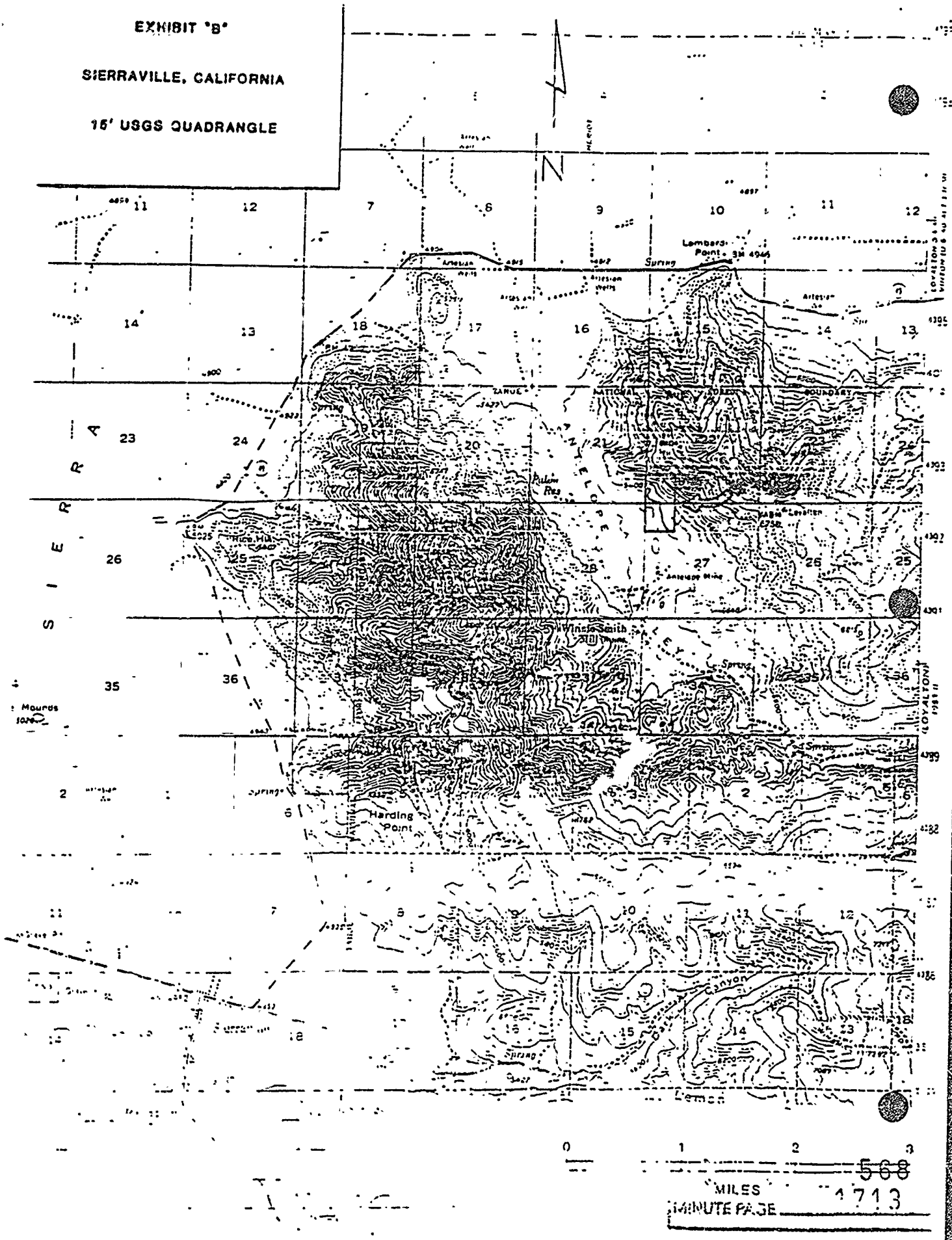


EXHIBIT "A"
STATE LANDS COMMISSION
W 40526
APPLICATION FOR PROSPECTING PERMIT
HECLA MINING COMPANY
SIERRA COUNTY
JUNE 1987
SITE
Loyalton
Sierraville
Calpine
Portola
Reno
Truckee
Tahoe City
Carson City
TOIYABE
NAT'L
FOREST
SIERRA
NEVADA
TAHOE
Lake
0
5
10
MILES

EXHIBIT "B"

SIERRAVILLE, CALIFORNIA

15' USGS QUADRANGLE



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W 40526

DETAILED PROJECT DESCRIPTION

Hecla Mining Company proposes to conduct precious metal exploration in the permit area by drilling 13 holes, 4 1/8 inches in diameter to a maximum depth of 200 feet and retaining samples for off-site assaying. Please refer to Exhibit A and B for location maps of the project. Refer to Exhibit C for a detailed parcel map showing individual drill hole locations and existing access.

Drilling will be accomplished using a track mounted reverse air circulation rig. A down-the-hole hammer will break the rock to 1/2 inch diameter particles which are blown out of the hole to a cyclone. Cuttings are retained at five foot intervals with approximately 1/2 cubic foot saved from each interval. The remaining cuttings will be stockpiled for backfilling the hole. No cores will be taken and no drilling mud will be used. Holes will be drilled at an approximate inclination of 45 degrees. The drilling crew will consist of three men who will be transported in one pickup truck. Lodging will be in a motel in the nearby town of Loyalton.

Access to the drill sites will be obtained by an existing old logging road and by off road travel. No new road construction will be permitted. Surface disturbance is estimated to be approximately 80 square feet per drill site or a total of 0.02 acre for all 13 holes. The maximum anticipated excavated volume if all the holes are drilled to a depth of 200 feet will be 9 cubic yards.

Upon abandonment, approximately five feet of surface casing required for drilling will be removed. Drill cuttings not retained as samples will be used to backfill each hole. In the event water is encountered during drilling, holes will be abandoned in accordance with California Department of Water Resources Water Well Standards. Drill sites will be scarified and seeded by hand-broadcasting. The seed mixture will be provided by the U.S. Forest Service for use in the area. A commercial fertilizer will be utilized to assist in germination and growth.

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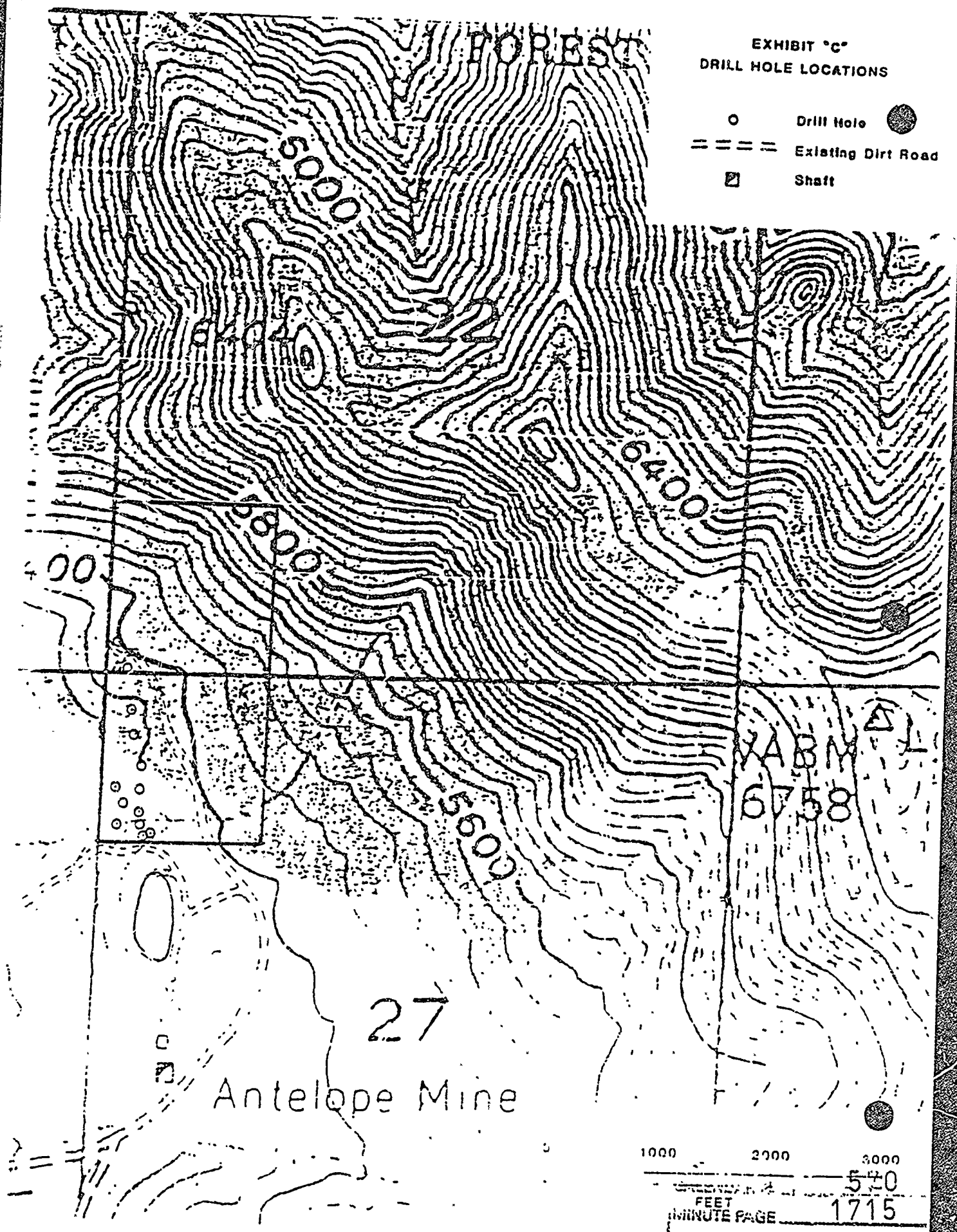
EXHIBIT "C"
DRILL HOLE LOCATIONS
Drill Hole
Existing Dirt Road
Shaft
FOREST
6000
6400
6800
5600
VABM
6758
27
Antelope Mine
1000
2000
3000
FEET

ENVIRONMENTAL SETTING

1. Describe the project site as it exists before commencement of the project. Include information such as topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, the use of the structures, and whether they will be retained or removed.

2. Describe the surrounding properties. Include information such as topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Indicate the type of land use and intensity of land use of the area.

3. Include a statement of the proposed liquid, solid or gaseous waste disposal methods necessary for the protection and preservation of existing land and water uses.

Applicant Responses:

1. The project site is on a hill which slopes gently to the southwest. The area is alluvial covered, with some yellow pine trees and bitter brush. The most noted animals are mule-deer. There are no existing structures on the site. Rock outcrops consist of isolated zones approximately 20 feet by 100 feet of silicified volcanic material. Material surrounding the outcrops consists of talus and gravel, 5 to 40 feet in thickness. No known cultural or historical resources occur on the project site. An archeological survey of the project site and surrounding area is anticipated to be completed by the middle of July. Scenic aspects consist of wooded, rolling hills overlooking Antelope Valley. The State land has the same features as that surrounding it.

2. The Antelope Valley area is on the eastside of the main Sierra Nevada range and is characterized by the dry climate and ecosystem typical of the Great Basin. Antelope Valley proper is a broad valley floor with a spring fed stream. The surrounding ridges are dominated by stands of Jeffrey pine, with the west slopes onto the Sierra Valley tending to a juniper/cedar - sagebrush - annual grassland. Antelope Valley contains bitterbrush, mountain mahogany, sagebrush as well as perennial and annual grasses. Elevations range from 5000' to 6800'. The area has a history of fire as well as recent (past 100 years) logging.

The entire area is key deer winter range for the Loyalton - Truckee deer herd. The abundance of bitterbrush, mountain mahogany, sagebrush, and adjacent alfalfa and other croplands as well as the relative scarcity of snow make this a critical area to wintering deer.

Ranches border the west and north edge of the area. Typically, these ranches are on the valley floor and contain private land extending within the exterior forest boundary. Grazing usually extends onto the forest via on-off or regular permits since the forest boundary is rarely fenced in this area.

Drilling for precious metals has been successfully completed on nearby property by Hecla Mining Company. Additional land use includes wildlife habitat and recreation.

3. The drilling will be performed with reverse air circulation and the cuttings will be retained. All trash will be removed from the site.

STATE LANDS COMMISSION

ENVIRONMENTAL IMPACT ASSESSMENT CHECKLIST – PART II

Form 13.20 (7/82)

File Ref.: [illegible]

I. BACKGROUND INFORMATION

A Applicant: Hecla Mining Company
6500 Mineral Drive
Couer d'Alene, Idaho 83814-1931

B. Checklist Date: 06 / 19 / 87

C Contact Person: Gregory J. Pelka

Telephone: (213) 590-5201

D Purpose: Prospecting for precious and other valuable minerals.

E Location: SW¼ of SW¼ of Sec 22, T 21 N, R 15 E, MDM, Sierra County
NW¼ of NW¼ of Sec 27, T 21 N, R 15 E, MDM, Sierra County

F Description: Drill 13 esploratory holes, 4 1/8 inch in diameter to a maximum depth of of 200 feet. Retain ¼ cubic foot of sample from every five foot interval for off-site assaying. Properly abandon drill holes.

G Persons Contacted:
James Messersmith-Regional Manager
Department of Fish and Game
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670

II. ENVIRONMENTAL IMPACTS. *(Explain all "yes" and "maybe" answers)*

A. *Earth.* Will the proposal result in:

	Yes	Maybe	No
1. Unstable earth conditions or changes in geologic substructures?			X
2. Disruptions, displacements, compaction, or overcovering of the soil?			
3. Change in topography or ground surface relief features?			
4. The destruction, covering, or modification of any unique geologic or physical features?			
5. Any increase in wind or water erosion of soils, either on or off the site?			
6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake?			
7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, mudslides, [illegible] failure or similar hazards?			

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	Yes	Maybe	No
B *Air* Will the proposal result in			
1. Substantial air emmissions or deterioration of ambient air quality?			X
2. The creation of objectionable odors?			X
3. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?			X
C *Water* Will the proposal result in:			
1. Changes in the currents, or the course or direction of water movements, in either marine or fresh waters?			X
2. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff?			X
3. Alterations to the course or flow of flood waters?			X
4. Change in the amount of surface water in any water body?			X
5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?			X
6. Alteration of the direction or rate of flow of ground waters?			X
7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?			X
8. Substantial reduction in the amount of water otherwise available for public water supplies?			X
9. Exposure of people or property to water-related hazards such as flooding or tidal waves?			X
10. Significant changes in the temperature, flow or chemical content of surface thermal springs?			X
D. *Plant Life* Will the proposal result in:			
1. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?			X
2. Reduction of the numbers of any unique, rare or endangered species of plants?			X
3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?			X
4. Reduction in acreage of any agricultural crop?			
E *Animal Life* Will the proposal result in:			
1. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, or insects)?			X
2. Reduction of the numbers of any unique, rare or endangered species of animals?			X
3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?	X		
4. Deterioration to existing fish or wildlife habitat?			X
F. *Noise.* Will the proposal result in:			
1. Increase in existing noise levels?	X		
2. Exposure of people to severe noise levels?			X
G. *Light and Glare.* Will the proposal result in			
1. The production of new light or glare?			X
H. *Land Use* Will the proposal result in:			
1. A substantial alteration of the present or planned land use of an area?			X
I *Natural Resources.* Will the proposal result in			
1. Increase in the rate of use of any natural resources?			X
2. Substantial depletion of any nonrenewable resources?			X

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	Yes	Maybe	No
J. *Risk of Upset.* Does the proposal result in			
1. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions?	☐	☐	X
2. Possible interference with emergency response plan or an emergency evacuation plan?	☐	☐	X
K. *Population.* Will the proposal result in:			
1. The alteration, distribution, density, or growth rate of the human population of the area?	☐	☐	X
L. *Housing.* Will the proposal result in:			
1. Affecting existing housing, or create a demand for additional housing?	☐	☐	X
M. *Transportation/Circulation.* Will the proposal result in:			
1. Generation of substantial additional vehicular movement?	☐	☐	X
2. Affecting existing parking facilities, or create a demand for new parking?	☐	☐	X
3. Substantial impact upon existing transportation systems?	☐	☐	X
4. Alterations to present patterns of circulation or movement of people and/or goods?	☐	☐	X
5. Alterations to waterborne, rail, or air traffic?	☐	☐	X
6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?	☐	☐	X
N. *Public Services.* Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:			
1. Fire protection?	☐	☐	X
2. Police protection?	☐	☐	X
3. Schools?	☐	☐	X
4. Parks and other recreational facilities?	☐	☐	X
5. Maintenance of public facilities, including roads?	☐	☐	X
6. Other governmental services?	☐	☐	X
O. *Energy.* Will the proposal result in:			
1. Use of substantial amounts of fuel or energy?	☐	☐	X
2. Substantial increase in demand upon existing sources of energy, or require the development of new sources?	☐	☐	X
P. *Utilities.* Will the proposal result in a need for new systems, or substantial alterations to the following utilities:			
1. Power or natural gas?	☐	☐	X
2. Communication systems?	☐	☐	X
3. Water?	☐	☐	X
4. Sewer or septic tanks?	☐	☐	X
5. Storm water drainage?	☐	☐	X
6. Solid waste and disposal?	☐	☐	X
Q. *Human Health.* Will the proposal result in:			
1. Creation of any health hazard or potential health hazard (excluding mental health)?	☐	☐	X
2. Exposure of people to potential health hazards?	☐	☐	X
R. *Aesthetics.* Will the proposal result in:			
1. The obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view?	☐	☐	X
S. *Recreation.* Will the proposal result in			
1. An impact upon the quality or quantity of existing recreational opportunities?			

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T. *Cultural Resources.*

	Yes	Maybe	No
1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archeological site?			X
2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?			X
3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?			X
4. Will the proposal restrict existing religious or sacred uses within the potential impact area?			X

U. *Mandatory Findings of Significance.*

1. Does the project have the potential to degrade the quality of the environment, reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X
2. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?			X
3. Does the project have impacts which are individually limited, but cumulatively considerable?			X
4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X

III. DISCUSSION OF ENVIRONMENTAL EVALUATION *(See Comments Attached)*

See attached discussion of environmental evaluation, environmental setting and detailed project description.

IV. PRELIMINARY DETERMINATION

On the basis of this initial evaluation:

☐ I find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION will be prepared.

☐ I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

Date: / /

For the State Lands Commission

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5) abate stream erosion and raise the water table in Antelope Valley
6) the possibility of mineral resource development impacting other resources
7) the possibility of uncontrolled wildfire due to excess fuels

The entire area is zoned general forest. The general plan is designated intermediate forest for the entire Antelope Valley.

In the SW 1/4 of Section 27, immediately adjacent to the area under application lies the now abandoned Antelope Mine. This underground mine produced copper around the turn of the century from the same geologic formation in which present exploration is desired. Access to the underground workings of the Antelope Mine are no longer accessible.

III. Discussion of Environmental Evaluation

A 2. Disruption, displacement, compaction and overcovering of the soil will occur in the immediate vicinity of the drill sites. However, the disruption will be short term and all disturbed sites will be properly reclaimed.

E 3. The drilling activity will temporarily displace animals from the immediate vicinity. No long term effects are anticipated.

F 1. The operating drill rig will temporarily increase existing noise levels.

S 1. The drilling activity will temporarily reduce recreational opportunities on the project site.

The 80 acre parcel under application is within the 4,480± acre Antelope valley Wildlife Area acquired by the Wildlife Conservation board for the California Department of Fish and Game (CDFG) in 1980. The CDFG acquired the parcel primarily for the prime deer winter range habitat as well as recreational opportunities including hunting, hiking, camping and general outdoor enjoyment. The federal government, through the Land and Water Conservation Fund, participated in this acquisition on a 50% basis. Due to the federal government's involvement, the CDFG has requested and received permission for conversion of land use for mineral prospecting activities.

In addition to CDFG lands in the Antelope Valley area of Sierra County, there exist an additional 16,300 acres belonging to

1) U.S. Department of Agriculture - Forest Service, Tahoe National Forest.
2) U.S. Department of the Interior - BLM, Susanville District.
3) Private Land both within and outside the NFS boundary.

Due to common land and resource management issues the private landowners and public agencies have united under the Antelope Valley Coordinated Resource Plan in order to best manage the land as an ecosystem. Common management concerns and goals of the private landowners and public agencies include:

1) protection and improvement of the deer winter range
2) coordination of livestock grazing with wildlife use
3) control of timber trespass
4) control of vehicle use in unauthorized areas

SECTION C: ASSESSMENT OF ENVIRONMENTAL IMPACTS

All phases of a project, such as planning, acquisition, development and operation, shall be considered when evaluating its impact on the environment. Please answer the following questions by placing a check in the appropriate box. Discuss all items checked "yes" or "maybe" on additional sheet(s).

Will the project involve:	YES	MAYBE	NO
1. A change in existing features of any bays, tidelands, beaches, lakes or hills, or substantial alteration of ground contours?	[ ]	[ ]	[x]
2. A change in scenic views from existing residential areas or public lands or roads?	[ ]	[ ]	[x]
3. A change in pattern, scale or character of the general area of the project?	[ ]	[ ]	[x]
4. Significant effect on plant or animal life?	[ ]	[ ]	[x]
5. Significant amounts of solid waste or litter?	[ ]	[ ]	[x]
6. A change in dust, ash, smoke, fumes or odors in the vicinity?	[ ]	[ ]	[x]
7. A change in ocean, bay, lake, stream or ground water quality or quantity, or an altering of existing drainage patterns?	[ ]	[ ]	[x]
8. A change in existing noise or vibration levels in the vicinity?	[ ]	[ ]	[x]
9. Construction on filled land or on a slope of 10 percent or more?	[ ]	[ ]	[x]
10. Use or disposal of potentially hazardous materials such as toxic or radioactive substances, flammables or explosives?	[ ]	[ ]	[x]
11. A change in demand for municipal services (e.g., police, fire, water, sewage)?	[ ]	[ ]	[x]
12. Increase in fossil fuel consumption (e.g., electricity, oil, natural gas)?	[ ]	[ ]	[x]
13. A larger project or a series of projects?	[ ]	[ ]	[x]

PART V

CERTIFICATION

I certify that all information and materials furnished in this application are true and complete to the best of my knowledge and belief. I recognize that this application and the project it addresses are subject to all laws of the State of California, and the regulations and discretionary policies of the State Lands Commission.

Applicant: Gene K. Ealy *Gene K. Ealy* Date: 4/10/87

Title: Vice President - Exploration

Agent: _____

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