DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2539

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION PROJECT

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip Copies to USBM and USGS. One copy was retained by Region II.

To: Code 500, Rm. 2614 Date 5-20-52

To: Op. Com Date 5-28-52

To: _____ Date _____

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500

FILE COPY
SURNAME:

Keating
Mould
Lemmon
Johnson
Hedges

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

MAY 28 1952

Mr. Karl W. Jasper, Pres.
Grandview Mines
310 Radio Central Building
Spokane 4, Washington

Re: Docket No. DMEA 2539
Hartbauer Property
Lead-Zinc

Dear Mr. Jasper:

The Government has made a careful study of the data submitted in your application together with all the geological and field reports available. We have reached the conclusion that the program of work you propose is not supported by sufficient positive evidence to warrant the belief that it might be successful in the discovery of essential mineral in substantial quantities.

Further consideration has been given to the possibility of alternative work but we have been unable to reach a favorable decision regarding such a program. Under the circumstances it is necessary for us to advise you that your application for exploration assistance is denied.

We appreciate the opportunity you have given us to consider your defense exploration project and it is with regret that we have to inform you of the unfavorable decision regarding your request.

Sincerely yours,

C. O. Mittendorf (fw) 5/29

Acting Administrator,
Defense Minerals Exploration
Administration

AGKeating/mef
5/27/52
cc to: Adm. R. File
Op. Comm.
Docket File
Mr. Bishop
Mr. McKnight
Region II
Mr. Moulds
Mr. Keating

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

May 28, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Spokane
JUN 2 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA 2539
Grandview Mines
Stevens County, Washington

Dear Sir:

In the transmittal letter on the application of the subject docket, it was pointed out that there is some question of the feasibility of the proposed project inasmuch as diamond drilling was to be done in a glacial-filled valley in which the depth of unconsolidated material may be too great. At the time the letter was written we had no information as to the possible depths of this fill.

Subsequently it has been brought to our attention that the Soil Conservation Service has drilled numerous holes in the valley searching for lignite. It has been reported that the depth of overburden is of the order of 70 feet. Inasmuch as 70 feet is not prohibitively thick for the proposed diamond drilling program, we are making an investigation of this report and will forward the results to your office.

Yours very truly,

Willard P. Puffett

Willard P. Puffett
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM

500
FILE COPY
SURNAME:

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

Kesting
Moulds (ack)
Lemmon
Hedges

May 27, 1952

Memorandum

~~May 29 1952~~

To: Acting Administrator

From: Base Metals Division

Subject: Recommendation for denial of application, Docket No. DMA 2539
Grandview Mines, Hartbauer Property, Stevens County, Washington

The above named application was submitted under date of May 8, 1952, in which the applicant proposes a program of 4000 feet of exploratory diamond drilling at a total estimated cost of $31,440.00 for the project.

The proposed work consists of drilling one 30° hole to a depth of 500 feet and 14 vertical holes to an average depth of 250 feet. This drilling is to be undertaken across an alluvial filled valley extending for a distance of approximately 2500 feet. There are no bedrock exposures in this valley and the depth of the overburden is uncertain. The applicant estimates that the fill is approximately 75' deep.

On the west boundary of the applicant's property the Andersen open-cut is producing ore of a grade of 4% combined lead and zinc while on the opposite side of the valley, the Admiral workings are richer in grade but occur in small lenses. The limited size of these orebodies when compared to the width of the valley indicates that the probability of disclosing ore of significant extent by the proposed drilling program is remote. The depth of the overburden precludes consideration of a successful surface mining operation, and the cost of diamond drilling through an undetermined depth of alluvium might be beyond reasonable justification.

The Operator's agreements with owners of the property limit the allowable drill sites and thus restrict the choice of drilling location. This situation might preclude following up possible favorable results obtained in ground adjoining prohibited areas.

The Field Team reports that the general district in which the proposed exploration is to take place is one from which a considerable quantity of lead-zinc ore has been produced and therefore the plan to do "wildcat" prospecting between two known ore bodies has some merit. However, it is difficult for them to recommend "wildcatting" in an area where there are no outcrops and no geological guidance.

The Washington examiners for the USGS and Bureau of Mines recommend denial in which the Base Metals Division concurs. Attached for your signature is a letter of denial to Mr. Karl W. Jasper, President of the Grandview Mines.

D. E. M.

Attachment

AGKeating/mef
cc to: Docket, Adm., Keating, Moulds,

D. E. Moulds

IN REPLY REFER TO:

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

May 23, 1952

Memorandum

Re: DMEA-2539
Hartbauer Property
Northport District
Stevens County, Wash.
$31,440

To: Mr. D. E. Moulds

From: E. L. Newcomb

Subject: Geological recommendation

The applicant requests Government assistance to explore for possible orebodies in the Metaline limestone between two currently producing properties. The proposed project will consist of drilling one 30° hole to a depth of 500 feet and 14 vertical holes to an average depth of 250 feet. The drilling will be done across an alluvium filled glacial valley, which is 2500 feet wide. There are no bedrock exposures across the valley and the depth of the overburden is unknown. Although the applicant estimates that the fill is 75 feet deep, the width of the glacial valley suggests that the actual depth to bedrock is considerably deeper than the applicant's estimate.

The field team memorandum, which accompanies the application, has provided supplemental data for our use in considering the applicant's proposal. The Anderson open cut, which is only 150 feet from the west boundary of the applicant's property, is currently producing lead-zinc ore with an average grade of about 4% combined lead and zinc. The Admiral orebodies on the opposite side of the valley are richer in grade, but occur as small lenses. Although the Metaline limestone undoubtedly lies beneath the fill, the small size of the Anderson and Admiral orebodies as compared to the width of the valley indicates that the applicant's proposal is a wildcat project. With an area 2500 feet wide as a possible location for small orebodies, the holes will have to be closely spaced or small orebodies will easily be missed. The size of the potential targets and the unknown depth of the overburden make the proposal unattractive even as a wildcat-type of project. The depth of the overburden can reasonably be assumed to be too deep for surface mining and shaft sinking probably would be limited to the sides of the valley floor. Also, the cost of diamond drilling could be prohibitively expensive, if the overburden proved to be very deep.

The field team has stated that the operator's agreements with the property owners limits the possible drill sites to definite areas, which in turn limits the choice of drilling locations. This factor could prove to be very detrimental, especially on a project

which should be flexible and dependent upon the results obtained from each preceding hole.

The unknown depth of the overburden is a strong factor against favorable consideration of the proposal. On the basis of the present data, the application is recommended for denial. However, if the applicant obtains accurate information about the depth of the overburden at some future time, further consideration of the proposal could be undertaken.

E. L. Newcomb

E. L. Newcomb
Geologist

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

May 23, 1952

Memorandum

Re: DMEA-2539
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Northport District
Stevens County, Wash.
$31,440

To: Mr. D. E. Moulds

From: E. L. Newcomb

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E. L. Newcomb
E. L. Newcomb
Geologist

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

May 23, 1952

Memorandum

Re: DMEA-2539
Grand View Mines
Spokane, Washington
Lead-zinc

To: Mr. D. E. Moulds
Chief, Lead-Zinc Branch, DMEA

From: O. M. Bishop
U. S. Bureau of Mines

Subject: Application for drilling program on Hartbauer property, in northern portion of Stevens County, Washington.

The field team report on this property is not very enthusiastic about the proposed drilling program at this property. They believe that the bedrock is too deep below the surface and that the drilling would be rather expensive; that the ore would be submarginal in tenor or else it would be in small high-grade lenses which would be hard to hit by drill holes. They have suggested that a geophysical survey be first attempted to determine the contour of the bedrock and possible location of any orebodies. They feel that the application in its present form is not feasible.

We endorse the conclusion of the field team in this respect and believe the application should be denied.

For O. M. Bishop by H. E. Olund.
O. M. Bishop
Base Metals Branch

May 23, 1952

Memorandum

Re: DMEA-2539
Grand View Mines
Spokane, Washington
Lead-zinc

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Chief, Lead-Zinc Branch, DMEA

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For O. M. Bishop by H. E. Lund.

O. M. Bishop
Base Metals Branch

DMEA-2539

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Spokane

MAY 19 1952

No. 157 Howard Street
Spokane 4, Washington

May 14, 1952

Memorandum

To: Chairman, Operating Committee, DMA, Washington 25, D. C.

From: A. H. Weissenborn, Exec. Officer, DMA Field Team, Region II

Subject: Application of Grand View Mines, Spokane, Washington for exploration project in Stevens County, Washington.

Enclosed are three completed copies each of forms MF-100 and MF-103 submitted by Grandview mines, Spokane, Washington as an application for aid on an exploration project in northeastern Stevens County, Washington. One copy of each is being retained for our files. No field examination is planned on this property unless we are advised by you that such would be desirable.

The exploration project is to explore for possible ore bodies in the Metaline limestone in an area between two currently producing properties. These properties border on opposite slopes of the filled glacial valley. No bedrock is exposed through the valley fill, but it is believed that the Metaline limestone is continuous across the valley, although evidence supports the possibility of a fault near the central part of the valley. The applicant believes that the average thickness of the ground will not exceed 75 feet. Inspection of the terrane and of the topographic maps of the area suggests that the depth of fill may exceed this greatly, and that it may be so deep as to make drilling prohibitively costly.

The applicant's property is situated within 150 feet of the Anderson open pit, an operation from which an estimated 75,000 tons of lead-zinc ore has been mined in the last two years. The implication is that this mineral ore zone persists northwestward across the valley.

The grade of the ore in the Anderson pit is low and probably does not exceed 4 percent. The Admiral ore bodies on the opposite side of the valley are much richer--in the neighborhood

of 20 to 30 percent combined lead-zinc--but on this property the ore is found in small lenses. The general area in which the proposed exploration is to take place is one from which a considerable quantity of lead-zinc ore has been produced. The majority of this has come from ore bodies or mineralized zones in the Metaline limestone. On a regional scale the producing properties lie in a relatively narrow belt parallel to the trend of the Metaline limestone formation. As a consequence, the plan to do wildcat prospecting between the two known ore bodies has some merit. There are also some unfavorable aspects to the proposal. The chief disadvantage is probably the small size of the ore bodies. The Admiral ore shoots are very small. They can be measured in tens of feet, and would be exceedingly difficult to find in drilling. Even the Anderson ore body has a maximum length of only 400 to 500 feet and, as the valley has a width of ~~several thousand~~ 1000 feet, even an ore body the size of the Anderson could be easily missed unless the holes were closely spaced. The depth of overburden in all probability would be too great to permit surface mining, and there are some doubts whether low-grade ore such as is found in the Anderson pit could be recovered by underground mining. Because of difficulties in sinking a shaft in the valley fill, it might be necessary to reach the ore body by sinking from one or the other side of the valley. The fact that the Grandview mines does not at present own the land on either side of the valley is another complicating factor. This would not however directly affect the exploration itself. Another objection is that, according to the terms of the various agreements by which the Grandview Company holds the ground, the sites for the proposed drill holes are limited to definite areas and to a maximum of 8 acres in these areas. The company would, therefore, be limited in its choice of drilling sites.

The applicants are competent and, if given the contract, would do the work capably. We feel, however, that they have not given sufficient attention to the possible depth of the valley fill. This matter has been discussed, and one suggestion is that the drilling would start at the edge of the valley near the Anderson property, and if the depth proved to be too great, it would be abandoned. The suggestion was also made that the depth of the fill might be determined by some geophysical method, and the applicant is making inquiries into the cost of such a geophysical survey. This would be acceptable and we would be interested in seeing estimates of the cost, but it occurs to me that perhaps one or two churn drill holes built in the center of the valley might tell the story quite quickly and cheaply.

Because of the undoubted competence of the applicant, the Field Team finds it difficult to recommend a denial of the application.

Nevertheless, it feels that the proposal in its present form is not feasible. It would seem wise to withhold any definite recommendation until we have more information on the depth of the gravel in the valley, and the Field Team would be much more inclined to recommend wildcatting in an area where there are at least some outcrops and some possibilities of geologic guidance rather than a gravel-filled valley where there is no possibility of geologic guidance.

By DMMA Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures
cc: USBM, Spokane

DMEA-2539

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

No. 177 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

May 14, 1952

Memorandum

To: Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: A. L. Weissenborn, Exec. Officer, DMEA Field Team, Region II

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By DMEA Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures
cc: USBM, Spokane

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2539

Date received 5-19-52

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Name and address of applicant

Date 5/8/52

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

General Technical Data

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Wash.

1. Prospect. No production

2. Harthauer property. No workings.

3. (a) 17 miles from Northport, Washington
(b) Northport Mining District, Stevens County, Washington
(c) Township 39 N., Range 41 E. Sections 2 and 1.
40 N. Range 41 E., Section 35.
(d) Stevens County, Washington

4. (a) No operation.
(b) Grandview Mines owns mineral rights.

5. None.
Depends on results of exploration program.

6. Grandview Mines has been engaged in the lead and zinc mining business in northeastern Washington since 1927. The project would be managed by its regularly employed mining engineers working under its board of directors. Mineral holdings of Grandview Mines in northeastern Washington are shown in accompanying "Northport District" map. The total area held by Grandview in Stevens County approximates 8500 acres.

7. (a) There has been no previous exploration of the property except for two pits on lead and zinc bearing outcrops. The area to be explored lies under a meadow separating the ore zones of the Anderson Mine and the Admiral Mine.
(b) The northeast end of the workings of the Anderson Mine, an open pit lead-zinc operation, lies within 150 feet of the south edge of the Harthauer property, as shown in the accompanying "Geologic Map of the Red Top Area, Northport District, Stevens County, Washington." An estimated 95,000 tons of lead-zinc ore has been mined and milled from this cut in the last two years.
The Admiral Mine, northeast of the Harthauer property, has produced an estimated $150,000. worth of ore in recent years from a high grade lead-zinc shoot and with a three man crew engaged in what amounts to an underground sniping operation.
(c) No private reports on the Harthauer property are available.
U. S. Bureau of Mines R. I. 4043, Anderson Zinc-Lead Prospect, Stevens County, Washington, gives the results of exploration work done in 1944-45 on what is now called the Anderson Mine.

8.

Name and Address	Title	Salary etc.	Net Worth	Shares Common	Life Insurance
Karl W. Jasper 310 Radio Central Bldg. Spokane 4, Wash.	President D.	$7400.	No estimates available.	1,000	None
Paul T. Hoetzel W. 416 25th, Spokane	Vice President. D.	300.		4,000	
E. K. Barnes, W. 1008 19th, Spokane	Sec. Treas. D.	500.		5,000	
John H. Roberts, E. 120 Rockwood Blvd., Spokane	D.	200.		13,000	
Fred Trumbull, Ione, Wash.	D.	200.		10,984	

General Technical Data

Grandview Mines

8. (Contd.)	Title	Salary, etc.	Net Worth	Shares	Life Ins.
E. O. Dressel Metaline, Wash.	D.	$ 200.	No Estimates	9,200	No insurance
Eskil Anderson, 106 W. 8th Ave., Spokane	D., Mng. Engr.	6,200.		1,000	
Mrs. Emily F. Schermerhorn, 1305 E. 20th, Spokane				171,175	
Fred M. Raymond, Box 556, Yakima, Wash.				17,000	
Merritt V. Grilley 709 Barnard St., Spokane				20,000	
Claire Fenstermaker, Opportunity, Wash.				46,000	
Thomas L. Hamilton, Emigrant Gap, Calif.				18,000	

9. Common Stock	(a)	(b)	(c)	(d)	(e)
3,000,000	$1,500,000.	$1,500,000.	$0.50	3,000,000	6¢ in 1951

10. No production

11. No production

12. (a) There are no known ore reserves. At the K. Hartbauer prospect, as shown on the accompanying "Geological Map of the Red Top Area", there are two surface pits. Each is about four feet deep. Across one pit a 4½ foot sample assayed 3.2% combined lead and zinc. A short adit driven to intersect this mineralization in depth did not find commercial ore. This is almost the only area of exposed bedrock on the Hartbauer property and no importance has been placed on that occurrence in connection with this application.

The drilling program here proposed is based on the expectation that under the meadow which overlies almost all of the Hartbauer property, the projected extensions of the Anderson Mine and the Admiral Mine ore zones will be found.

The Anderson Mine orebody and open pit operation approaches from the southwest to the edge of the outcrop area shown on the map. The northeast end of the Anderson open pit lies about 150 feet from the south line of the Hartbauer property. The open pit strikes northeastward, diagonally across the Hartbauer property. At the first outcrops on the east side of the meadow good lead-zinc ore is again found in the G. Hartbauer prospect on School Section 36, about 50 feet north of the Hartbauer property line; and at the Admiral Mine farther to the northeast bodies of rich zinc-lead ore have been mined. The Metaline limestone in this area strikes roughly N. 50° E. and generally dips to the southeast. The ore bearing horizon of the Metaline limestone in which the lead and zinc replacement deposits of the Anderson and the Admiral Mine are found appears to extend diagonally northeastward for about ½ mile across the Hartbauer property. If this proves to be true a substantial discovery of zinc-lead ore might result from the diamond drilling of the Hartbauer property.

(b) 1. No assay plans or sections
2. None

13. On good graveled county road at Leadpoint, Washington, 17 miles from Northport which is the nearest railroad shipping point; and about 19 miles from the Trail smelter of the Consolidated Mining and Smelting Company of Canada.

14. Hartbauer Creek, and O'Hare Creek, both flow across the property concerned and carry enough water to supply a mining operation satisfactorily during all seasons of the year.

General Technical Data

Grandview Mines

15. No power used.

16. No labor used.

17. None

18. None

RELEASED FOR
PUBLIC RELEASE
CONTROL CONTENT

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl W. Jasper
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2539

Date received 5-19-52

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Name and address of applicant

Date 5/8/52

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

General Technical Data

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Wash.

1. Prospect. No production

2. Hartbauer property. No workings.

3. (a) 17 miles from Northport, Washington
(b) Northport Mining District, Stevens County, Washington
(c) Township 39 N., Range 41 E. Sections 2 and 1.
40 N. Range 41 E., Section 35.
(d) Stevens County, Washington

4. (a) No operation.
(b) Grandview Mines owns mineral rights.

5. None.
Depends on results of exploration program.

6. Grandview Mines has been engaged in the lead and zinc mining business in northeastern Washington since 1927. The project would be managed by its regularly employed mining engineers working under its board of directors. Mineral holdings of Grandview Mines in northeastern Washington are shown in accompanying "Northport District" map. The total area held by Grandview in Stevens County approximates 8500 acres.

7. (a) There has been no previous exploration of the property except for two pits on lead and zinc bearing outcrops. The area to be explored lies under a meadow separating the ore zones of the Anderson Mine and the Admiral Mine.

(b) The northeast end of the workings of the Anderson Mine, an open pit lead-zinc operation, lies within 150 feet of the south edge of the Hartbauer property, as shown in the accompanying "Geologic Map of the Red Top Area, Northport District, Stevens County, Washington." An estimated 75,000 tons of lead-zinc ore has been mined and milled from this cut in the last two years.

The Admiral Mine, northeast of the Hartbauer property, has produced an estimated $150,000. worth of ore in recent years from a high grade lead-zinc shoot and with a three man crew engaged in what amounts to an underground sniping operation.

(c) No private reports on the Hartbauer property are available. U. S. Bureau of Mines R. I. 4043, Anderson Zinc-Lead Prospect, Stevens County, Washington, gives the results of exploration work done in 1944-45 on what is now called the Anderson Mine.

8.

Name and Address	Title	Salary etc.	Net Worth	Shares Common	Life Insurance
Karl W. Jasper 310 Radio Central Bldg. Spokane 4, Wash.	President D.	$7400.	No estimates available.	1,000	None
Paul T. Hoetzel W. 416 20th, Spokane	Vice President. D.	200.		4,000	
E. K. Barnes, W. 1008 19th, Spokane	Sec. Treas. D.	500.		5,000	
John H. Roberts, E. 120 Rockwood Blvd., Spokane	D.	200.		13,000	
Fred Trumbull, Ione, Wash.	D.	200.		10,984	

General Technical Data

Grandview Mines

8. (Contd.)	Title	Salary, etc.	Net Worth	Shares	Life Ins.
E. O. Dressel Metaline, Wash.	D.	$ 200.	No Estimates	9,200	No insurance
Rokil Anderson, 105 W. 6th Ave., Spokane	D., Mng. Engr.	6,200.		1,000	
Mrs. Emily F. Schermerhorn, 1305 E. 20th, Spokane				171,175	
Fred M. Raymond, Box 556, Yakima, Wash.				17,000	
Merritt V. Grilley 709 Bernard St. Spokane				20,000	
Claire Fenstermaker, Opportunity, Wash.				46,000	
Thomas L. Hamilton, Emigrant Gap, Calif.				18,000	

9. Common Stock	(a)	(b)	(c)	(d)	(e)
3,000,000	$1,500,000.	$1,500,000.	$0.50	3,000,000	6¢ in 1951

10. No production

11. No production

12. (a) There are no known ore reserves. At the K. Hartbauer prospect, as shown on the accompanying "Geological Map of the Red Top Area", there are two surface pits. Each is about four feet deep. Across one pit a 4½ foot sample assayed 3.2% combined lead and zinc. A short adit driven to intersect this mineralization in depth did not find commercial ore. This is almost the only area of exposed bedrock on the Hartbauer property and no importance has been placed on that occurrence in connection with this application.

The drilling program here proposed is based on the expectation that under the meadow which overlies almost all of the Hartbauer property, the projected extensions of the Anderson Mine and the Admiral Mine ore zones will be found.

The Anderson Mine orebody and open pit operation approaches from the southwest to the edge of the outcrop area shown on the map. The northeast end of the Anderson open pit lies about 150 feet from the south line of the Hartbauer property. The open pit strikes northeastward, diagonally across the Hartbauer property. At the first outcrops on the east side of the meadow good lead-zinc ore is again found in the O. Hartbauer prospect on School Section 36, about 50 feet north of the Hartbauer property line; and at the Admiral Mine farther to the northeast bodies of rich zinc-lead ore have been mined. The Metaline limestone in this area strikes roughly N. 50° E. and generally dips to the southeast. The ore bearing horizon of the Metaline limestone in which the lead and zinc replacement deposits of the Anderson and the Admiral Mine are found appears to extend diagonally northeastward for about ½ mile across the Hartbauer property. If this proves to be true a substantial discovery of zinc-lead ore might result from the diamond drilling of the Hartbauer property.

(b) 1. No assay plans or sections
2. None

13. On good graveled county road at Leadpoint, Washington, 17 miles from Northport which is the nearest railroad shipping point; and about 19 miles from the Trail smelter of the Consolidated Mining and Smelting Company of Canada.

14. Hartbauer Creek, and O'Hare Creek, both flow across the property concerned and carry enough water to supply a mining operation satisfactorily during all seasons of the year.

General Technical Data

Grandview Mines

15. No power used.

16. No labor used.

17. None

18. None

MILITARY FILES
DESTROYED

(*b*) If deposit is other than pl

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl W. Jasper
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2539
Metal or Mineral
Date Received 5-19-52
Amount $
Participation (Government %)

Name and address of applicant

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Date 5/8/52

If you have already filed MF-100, give date filed 5/8/52, type of assistance requested Exploration Loan,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl W. Jaeger
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Application for Aid

Grandview Mines
310 Radio Central Bdlg.
Spokane 4, Wash.

1. (a) SE¼ of SE¼ of Section 35, Township 40 North, of Range 41 E. W. M. Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E. W. M.; each lot representing a square 40 acre area. 1.95 acres in the NE¼ of the SE¼ of Sec. 35, Township 40 North, of Range 41 E. W. M., adjoining the SE¼ of SE¼ of Section 35

   (b) See accompanying Hartbauer-Grandview deed, and "Guaranty".

   (c) Same as 1(a).

2. (a) Lead and zinc.
   (b) See MF100. 12(a), and accompanying "Geologic Map of Red Top Area" by C. D. Campbell, U. S. Geological Survey.

3. (a) 4000 feet of diamond drilling (see map) @ $7.50 per foot
   Assaying 300 samples at $3.50; $1050. or 0.26 per foot
   Engineering, 20 days; 400. or 0.10 per foot

   Total Cost 4000' @ 7.86 per foot. $31,440.

   Proposed drilling includes one -30 degree hole about 500 feet long driven from the west edge of the meadow eastward to crosscut the projected Anderson ore zone, and 14 vertical holes averaging about 250' in length. Because of the overburden in the meadow, which is of unknown depth but is expected to average less than 75 feet deep, drilling cost estimates are somewhat higher than average. If actual costs are lower than estimated, additional holes would be drilled with funds remaining, provided that earlier drill results justified continuance of drilling.

   (b) Project would take about 2 months to complete.

4. See accompanying "Geologic Map of Red Top Area".

5. None

6. None

7. All work to be done under contract to diamond drilling firm.

8. None

9. See 3(a).

10. (a) $15,720.
    (b) Yes

11. None

AGREEMENT

This Agreement, made and entered into this 15th day of April, 1951, by and between G. W. Northcutt and Ivy Northcutt, his wife, and Kenneth E. Northcutt and Edith F. Northcutt, his wife, and Anna R. Polando and G. R. Polando, her husband, as first parties, and Willis L. Van Sickle and Faye W. Van Sickle, his wife, as second parties, witnesseth:

Whereas, on this date the first parties herein, as vendors, have agreed to sell to the second parties, as purchasers, the following described real estate, and whereas the vendors have reserved certain mineral rights and it is desired to enter into a special agreement covering the matter of mineral rights which have been reserved as aforesaid;

DESCRIPTION:

A tract of land in the NE¼ of the SE¼ of Section 35, Township 39 North, of Range 41 E.W.M., described as follows:
Beginning at a point 29.5 feet west of the southeast corner of said NE¼ of SE¼, running thence west 149.2 feet; thence North 28°31' West 237.3 feet; thence North 72°12' West 244.5 feet; thence South 41°46' West 59.7 feet; thence South 38°41' West 206.1 feet; thence South 42°26' East 115.8 feet to the point of beginning, containing 1.95 acres, more or less.

The SE¼ of the SE¼ of Section 35, Township 39 North, of Range 41 E.W.M., EXCEPTING therefrom a tract of land described as follows, to-wit:
Beginning at the Southeast corner of said SE¼ of SE¼ of Section 35; running thence north along the East line of said SE¼ of SE¼ a distance of 330 feet; thence west, parallel with the south line of said SE¼ of SE¼, 165 feet; thence south, parallel with the east line of said SE¼ of SE¼, a distance of 330 feet, more or less, to the south line of said SE¼ of SE¼; thence east along said south line 165 feet to the point of beginning.

Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.
EXCEPTING, however, from said Lot 1 of Section 2, the following described tract of land: Beginning at the northwest corner of Lot 1 of said Section 2; running thence west along the north line of said Lot a distance of 218 feet; thence South, parallel with the east line of said lot, a distance of 165 feet, more or less, to the creek running thru said Lot; thence northeasterly, along said creek, a distance of 270 feet, more or less, to the point of beginning.

NOW, Therefore, in consideration of the premises, and in further consideration of the mutual covenants herein contained, it is agreed as follows:

The first parties herein have reserved and do hereby reserve all mineral rights on the above described premises, such reservations to extend for a period of fifteen (15) years from and after the date hereof, after which time such reservations shall expire, and the first parties herein shall have no further rights therein, unless otherwise acquired as hereinafter provided.

It is agreed and understood between the parties that the first parties herein shall pay to the second parties, the sum of $250.00 per Acre for any crop land that has been permanently damaged and rendered unfit for farming, by reason of any mining operations conducted by the first parties herein. It is also agreed and understood that not more than eight (8) acres from said farm shall be taken for such mining operations, and that said amount of land shall not separate more than Eight (8) acres, in addition to the roads required to go to and from the same.

The first parties agree that they will conduct their mining operations in such a way as to do the least possible damage to crop lands. It is further agreed that should more than eight (8) acres be required and taken by first parties for such mining operations, then and in that event, the first parties shall pay

to the second parties, the total sum of $15,000.00, and upon such payment to the second parties will deed back to the first parties all of their right, title and interest in and to said lands and premises, and all rights, including minerals and improvements connected with said lands and premises.

It is also agreed and understood that the first parties shall pay the second parties just compensation for any growing crops which may be damaged through mining and drilling operations.

It is further agreed and understood that if the farm land should be used for purposes other than farming, which would in any way interfere with the rights reserved by the first parties herein, then and in such event, the second parties agree to make satisfactory settlement and payment for any damage which the first parties may sustain.

This agreement is and shall be binding upon the heirs, administrators, executors and assigns of the parties.

In Witness thereof, the parties have set their hands the day and year first above written.

Harold E. Eschbach	Anna R. Falcado Anna R. Falcado
Edith E. Eschbach	R. J. Falcado First Parties.
L. E. Eschbach	Willis L. Van Sickle
Ivy Eschbach	Inez E. Van Sickle Second parties.

STATE OF WASHINGTON)
) ss.
County of [illegible])

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 3rd day of May, 1951, personally appeared before me G. W. Hartbauer and Ivy Hartbauer, his wife, and Ketrad E. Hartbauer and Edith F. Hartbauer, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

(SEAL)

J. E. Gunther
Notary Public for Washington,
residing at Montesano, Washington

STATE OF MICHIGAN)
) ss.
County of Wayne)

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 27th day of April, 1951, personally appeared before me Anna E. [illegible] and E. E. Polando, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

Notary Public, for Oakland County,
G. E. Rodger Mich. Acting in Wayne County, Mich.
Notary Public for Michigan, residing at Detroit,
Michigan.

My Commission expires Jan. 6, 1955
(SEAL)

DEED

The grantors, G. W. Harthauer, also known as Carl W. Harthauer and Carl Wilhelm Harthauer, and Ivy Harthauer, his wife, and Edward E. Harthauer and Edith P. Harthauer, his wife, and Anna E. Palanko and G. E. Palanko, her husband, for and in consideration of One Dollar and other good and valuable considerations in hand paid, bargain, sell and convey to GRANDVIEW MINES, a corporation of the State of Washington, all mines, minerals, and mineral rights, lodes, veins, and deposits found or to be found under or within the lines or area of the following described lands, situated in Stevens County, State of Washington, reserved by grantors in deed and agreement of April 15, 1951, for a period of fifteen (15) years from said date, to wit:

> A tract of land in the NE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., described as follows:
> Beginning at a point 39.5 feet west of the southeast corner of said NE¼ of SE¼; running thence west 348.8 feet; thence North 28°13' West 257.3 feet; thence North 72°18' West 234.4 feet; thence North 41°46' West 59.7 feet; thence South 30°41' West 83.1 feet; thence South 42°26' West 115.8 feet to the point of beginning, containing 1.95 acres, more or less.
>
> The SE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M.
>
> Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.

with such reasonable use of the surface ground as may be necessary to win, work and carry away said minerals so reserved, including the right of ingress thereto and egress therefrom, for the purpose of exploring, mining, extracting and removing said minerals.

SUBJECT, nevertheless, (a) to the terms, covenants, and conditions of said agreement dated April 15, 1951, contemporaneously filed for record in the office of the County Auditor of Stevens County, Washington, with this deed, and (b) a mortgage dated June 20, 1950, from G. W. Harthauer et ux. to Fred Draper on Lot 1, Section 2, and Lot 4, Section 1, all in Township 39 N., R. 41 E.W.M., covering a tract of land in each of said lots particularly described in said mortgage, to which reference is hereby made, which was filed for record June 23, 1950, and recorded in Book 62 of Mortgages, page 317, Records of Stevens County, Washington, given to secure a promissory note of June 20, 1950, in the sum of $3,500, bearing

% interest per annum from said date, payable on or before three (3) years from date thereof.

Dated February 21st, 1932.

George J. Palanda

Anna E. Palanda

Howard J. Kerlhauer

Edith P. Kerlhauer

Karl H. Kerlhauer

Ivy Kerlhauer

CERTIFIED
TRUE COPY

STATE OF WASHINGTON }
County of Stevens } ss.

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 28th day of February, 1931, personally appeared before me C. W. Northouse and Ivy Northouse, his wife, and Edward R. Northouse and Edith F. Northouse, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledge that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

J. E. [illegible]
Notary Public in and for the State of Washington, residing at Northport, Washington.

STATE OF MICHIGAN }
County of Wayne } ss.

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 21st day of February, 1931, personally appeared before me Anna R. Palanda and G. B. Palanda, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

G. B. [illegible]
Notary Public in and for the State of Michigan, residing at Detroit,

APPENDIX 11

GUARANTY

In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of American are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2 (b) of said contract this covenant shall thereupon become fully satisfied and of no further force or effect.

Dated this 9th day of May, 1952

Grandview Mines
by Karl W. Jaeger
President

AGREEMENT

This Agreement, made and entered into this 19th day of April, 1951, by and between G. W. Hartbauer and Ivy Hartbauer, his wife, and Konrad H. Hartbauer and Edith P. Hartbauer, his wife, and Anna R. Polande and E. E. Polande, her husband, as first parties, and Vallie L. Van Sickle and Faye M. Van Sickle, his wife, as second parties, witnesseth:

Whereas, on this date the first parties herein, as vendors, have agreed to sell to the second parties, as purchasers, the following described real estate, and whereas the vendors have reserved certain mineral rights and it is desired to enter into a special agreement covering the matter of mineral rights which have been reserved as aforesaid:

DESCRIPTION:

A tract of land in the NE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., described as follows:
Beginning at a point 88.5 feet west of the southeast corner of said NE¼ of SE¼, running thence west 249.8 feet; thence North 28°15' West 257.3 feet; thence North 72°15' East 254.5 feet; thence South 41°46' East 59.7 feet; thence South 38°41' East 206.1 feet; thence South 42°26' East 115.8 feet to the point of beginning, containing 1.93 acres, more or less.

The SE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., EXCEPTING therefrom a tract of land described as follows, to-wit:
Beginning at the Southeast corner of said SE¼ of SE¼ of Section 35; running thence north along the east line of said SE¼ of SE¼ a distance of 389 feet; thence west, parallel with the south line of said SE¼ of SE¼, 285 feet; thence south, parallel with the east line of said SE¼ of SE¼, a distance of 389 feet, more or less, to the south line of said SE¼ of SE¼; thence east along said south line 285 feet to the point of beginning.

Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.
EXCEPTING, however, from said Lot 1 of Section 2, the following described tract of land: Beginning at the northeast corner of Lot 1 of said Section 2; running thence west along the north line of said Lot a distance of 220 feet; thence South, parallel with the east line of said Lot, a distance of 165 feet, more or less, to the creek running thru said Lot; thence northeasterly, along said creek, a distance of 278 feet, more or less, to the point of beginning.

Now, Therefore, in consideration of the premises, and in further consideration of the mutual covenants herein contained, it is agreed as follows:

The first parties herein have reserved and do hereby reserve all mineral rights on the above described premises, such reservations to extend for a period of Fifteen (15) years from and after the date hereof, after which time such reservations shall expire, and the first parties herein shall have no further rights therein, unless otherwise acquired as hereinafter provided.

It is agreed and understood between the parties that the first parties herein shall pay to the second parties, the sum of $250.00 per Acre for any crop land that has been permanently damaged and rendered unfit for farming, by reason of any mining operations conducted by the first parties herein. It is also agreed and understood that not more than eight (8) acres from said farm shall be taken for such mining operations, and that said amount of land shall not comprise more than three (3) acres, in addition to the roads required to go to and from the same.

The first parties agree that they will conduct their mining operations in such a way as to do the least possible damage to crop lands. It is further agreed that should more than eight (8) acres be required and taken by first parties for such mining operations, then and in that event, the first parties shall pay

to the second parties, the total sum of $35,000.00, and upon such payment to the second parties will deed back to the first parties all of their right, title and interest in and to said lands and premises, and all rights, including minerals and improvements connected with said lands and premises.

It is also agreed and understood that the first parties shall pay the second parties just compensation for any growing crops which may be damaged through mining and drilling operations.

It is further agreed and understood that if the farm land should be used for purposes other than farming, which would in any way interfere with the rights reserved by the first parties herein, then and in such event, the second parties agree to make satisfactory settlement and payment for any damage which the first parties may sustain.

This agreement is and shall be binding upon the heirs, administrators, executors and assigns of the parties.

In Witness Whereof, the parties have set their hands the day and year first above written.

Edward E. Hartbauer

Keith E. Hartbauer

G. E. Hartbauer

Ivy Hartbauer

Anna K. Pelando
Anna K. Pelando

G. E. Pelando
First Parties.

Vallie L. Van Sickle

Pete M. Van Sickle
Second parties.

STATE OF WASHINGTON)
) ss.
County of Okanogan)

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 3rd day of May, 1951, personally appeared before me S. W. Hartbauer and Ivy Hartbauer, his wife, and Konrad H. Hartbauer and Edith P. Hartbauer, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

(SEAL)

J. H. Quenther
Notary Public for Washington,
residing at Northport, Washington

STATE OF MICHIGAN)
) ss.
County of Wayne)

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 27th day of April, 1951, personally appeared before me Anna M. Palando and G. B. Palando, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

Notary Public, for Oakland County,
C. B. Redker Mich. Acting in Wayne County, Mich.
Notary Public for Michigan, residing at Detroit,
Michigan.
My Commission expires Jan. 4, 1955
(SEAL)

AGREEMENT

THIS AGREEMENT made this 28th day February, 1952, between Konrad E. Hartheimer and Edith P. Hartheimer, his wife, as first parties, and Grandview Mines, a corporation, as second party:

WITNESSETH: That whereas first parties, and others, are about to convey to second party all minerals and mineral rights in and to the SW¼ SW¼, Section 35, Township 40 North, Range 41 E.W.M., and Lot 1, Section 2, Township 39 North, Range 41 E.W.M., and in and to other lands, all situate in Stevens County, Washington, for a period of fifteen years from April 15, 1951, subject to the terms, covenants and conditions of an agreement of said date, and whereas first parties desire to make certain reservations as to the use for mining purposes of those certain tracts of land described as follows:

> (a) Beginning at the Southeast corner of said SE¼ of SW¼ of Section 35; running thence north along the east line of said SE¼ of SW¼ a distance of 389 feet; thence west, parallel with the south line of said SE¼ of SW¼, 285 feet; thence south, parallel with the east line of said SE¼ of SW¼, a distance of 389 feet, more or less, to the south line of said SE¼ of SW¼; thence east along said south line 285 feet to the point of beginning, situate in said SE¼ SW¼, Section 35, Township 40 North, Range 41 E.W.M.
>
> (b) A triangular shaped piece of land situate in Lot 1, Section 2, Township 39 North, Range 41 E.W.M., starting at the Northeast corner of said Lot 1, extending west 210 feet; thence south 160 feet to the creek; thence northeasterly along the creek back to the starting point.

which tracts of land contain approximately 3 acres, more or less, and said tract of land situate in the SW¼ SW¼ of said Section 35, Township 40 North, Range 41 E.W.M. is crossed diagonally by the County Road from about the northwest corner thereof to about the southeast corner thereof, from which County Road there leads a road in a northeasterly direction to the Admiral and Iroquois mines, about one acre of which said tracts of land is situated northeast of said County Road and about two acres of which said tracts of land are situated southwest of the County Road, on which said two acres of said tracts of land are located a dwelling house, garage, chicken house, shop, barn and other buildings, and a garden owned by first parties.

NOW, THEREFORE, it is mutually agreed between the parties hereto as follows:

That while second party shall have the right to explore, mine, extract and remove any and all minerals underneath the whole of said tracts of land, second party cannot enter upon nor use the surface of said two-acre tract of land situated southwest of the County Road for any purpose in connection with its mining operations.

Second party further agrees that in connection with said mining operations it will not in any manner interfere with the County Road nor the right of way thereof nor the said road to the Admiral and Iroquois Mines, nor the use thereof by the public.

IN WITNESS WHEREOF the first parties have hereunto set their hands and the second party has hereunto caused its corporate name to be signed by its president and its corporate seal to be hereunto affixed by its secretary the day and year first above written.

Konrad K. Hartbauer

Edith P. Hartbauer
FIRST PARTIES

GRANDVIEW MINES

By Karl H. Jasper
President.

Attest: E. K. Barnes
Secretary

SECOND PARTY.

STATE OF WASHINGTON }
County of Stevens } ss.

I, the undersigned, a Notary Public in and for the above named County and State, do hereby certify that on this 28th day of February, 1952, personally appeared before me KONRAD E. PARTBAUER and EDITH P. PARTBAUER, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

J. H. [illegible]
Notary Public in and for the State of Washington, residing at Northport.

STATE OF WASHINGTON }
County of Spokane } ss.

On this 29 day of February, 1952, before me personally appeared Earl W. Jasper, to me known to be the president of GOLDFIELD MINES, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument, and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal the day and year first above written.

J. [illegible]
Notary Public in and for the State of Washington, residing at Spokane.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2529
Metal or Mineral
Date Received 5-19-52
Amount $
Participation (Government %)

Name and address of applicant

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Date 5/3/52

If you have already filed MF-100, give date filed 5/3/52, type of assistance requested Exploration Loan,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl W. Jasper
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Application for Aid

Grandview Mines
310 Radio Central Bdlg.
Spokane 4, Wash.

1. (a) S½ of S½ of Section 35, Township 40 North, of Range 41 E. W. M. Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E. W. M.; each lot representing a square 40 acre area. 1.95 acres in the N½ of the S½ of Sec. 35, Township 40 North, of Range 41 E. W. M., adjoining the S½ of S½ of Section 35

(b) See accompanying Harbhauer-Grandview deed, and "Guaranty".

(c) Same as 1(a).

2. (a) Lead and zinc.
(b) See MX100. 12(a), and accompanying "Geologic Map of Red Top Area" by C. D. Campbell, U. S. Geological Survey.

3. (a) 4000 feet of diamond drilling (see map) @ $7.50 per foot
Assaying 300 samples at $3.50; $1050. or 0.26 per foot
Engineering, 20 days; 400. or 0.10 per foot

Total Cost 4000' @ 7.86 per foot. $31,440.

Proposed drilling includes one -30 degree hole about 500 feet long driven from the west edge of the meadow eastward to crosscut the projected Anderson ore zone, and 14 vertical holes averaging about 250' in length. Because of the overburden in the meadow, which is of unknown depth but is expected to average less than 75 feet deep, drilling cost estimates are somewhat higher than average. If actual costs are lower than estimated, additional holes would be drilled with funds remaining, provided that earlier drill results justified continuance of drilling.

(b) Project would take about 2 months to complete.

4. See accompanying "Geologic Map of Red Top Area".

5. None

6. None

7. All work to be done under contract to diamond drilling firm.

8. None

9. See 3(a).

10. (a) $15,720.
(b) Yes

11. None

APPENDIX 11

GUARANTY

In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of American are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2 (b) of said contract this covenant shall thereupon become fully satisfied and of no further force or effect.

Dated this 9th day of May, 1952

Grandview Mines

by Karl W. Jeppen

President

AGREEMENT

THIS AGREEMENT made this 20th day February, 1952, between Konrad H. Kuhlmann and Edith J. Kuhlmann, his wife, as first parties, and Greyhound Mines, a corporation, as second party:

WITNESSETH: That whereas first parties, and others, are about to convey to second party all minerals and mineral rights in and to the SE¼ SW¼, Section 35, Township 48 North, Range 41 E.W.M., and Lot 1, Section 2, Township 39 North, Range 41 E.W.M., and in and to other lands, all situated in Stevens County, Washington, for a period of fifteen years from April 15, 1951, subject to the terms, covenants and conditions of an agreement of said date, and whereas first parties desire to make certain reservations as to the use for mining purposes of those certain tracts of land described as follows:

> (a) Beginning at the Southeast corner of said SW¼ of SW¼ of Section 35, running thence north along the east line of said SW¼ of SW¼ a distance of 300 feet; thence west, parallel with the south line of said SW¼ of SW¼, 300 feet; thence south, parallel with the east line of said SW¼ of SW¼, a distance of 300 feet, more or less, to the south line of said SW¼ of SW¼; thence east along said south line 300 feet to the point of beginning, situate in said SW¼ SW¼, Section 35, T 48 North, Range 41 E.W.M.
>
> (b) A triangular shaped piece of land situate in Lot 1, Section 2, Township 39 North, Range 41 E.W.M., starting at the Northwest corner of said Lot 1, extending west 220 feet; thence south 360 feet to the county road; thence northeasterly along the creek bank to the starting point.

which tracts of land contain approximately 3 acres, more or less, and said tract of land situate in the SW¼ SW¼ of said Section 35, Township 48 North, Range 41 E.W.M. is crossed diagonally by the County Road from about the northwest corner thereof to about the southeast corner thereof, from which County Road there leads a road in a northwesterly direction to the Aurora and Iroquois mines, about one acre of which said tracts of land is situated northwest of said County Road and about two acres of which said tracts of land are situated southeast of the County Road, on which said two acres of said tracts of land are located a dwelling house, garage, chicken house, shop, barn and other buildings, and a garden owned by first parties.

NOW, THEREFORE, it is mutually agreed between the parties hereto as follows:

That while second party shall have the right to explore, mine, extract and remove any and all minerals underneath the whole of said tracts of land, second party cannot enter upon nor use the surface of said two-acre tract of land situated southeast of the County Road for any purpose in connection with the mining operations.

Second party further agrees that in connection with said mining operations it will not in any manner interfere with the County Road nor the right of way thereof nor the said road to the Admiral and Bequeath Mines, nor the use thereof by the public.

IN WITNESS WHEREOF the first parties have hereunto set their hands and the second party has hereunto caused its corporate name to be signed by its president and its corporate seal to be hereunto affixed by its secretary the day and year first above written.

Konrad K. Hartbauer

Edith F. Hartbauer
FIRST PARTIES

BRANDYLEE MINES

By Earl E. Jessup
President.

Attest: E. E. Barnes
Secretary

SECOND PARTY.

STATE OF WASHINGTON)
) ss.
County of Stevens)

I, the undersigned, a Notary Public in and for the above named County and State, do hereby certify that on this 28th day of February, 1952, personally appeared before me KONRAD R. HARTBAUER and GRETEN F. HARTBAUER, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

L. H. Guenther
Notary Public in and for the State of Washington, residing at Northport.

STATE OF WASHINGTON)
) ss.
County of Spokane)

On this 29 day of February, 1952, before me personally appeared Karl W. Jasper, to me known to be the president of GRANDVIEW MINES, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument, and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal the day and year first above written.

A. Dackelmann
Notary Public in and for the State of Washington, residing at Spokane.

DEED

The grantors, C. W. Hartbauer, also known as Carl W. Hartbauer and Carl Wilhelm Hartbauer, and Ivy Hartbauer, his wife, and Konrad B. Hartbauer and Edith P. Hartbauer, his wife, and Anna R. Pelando and G. B. Pelando, her husband, for and in consideration of One Dollar and other good and valuable considerations in hand paid, bargain, sell and convey to CHAMPION MINES, a corporation of the State of Washington, all mines, minerals, and mineral rights, lodes, veins, and deposits found or to be found under or within the lines or area of the following described lands, situated in Stevens County, State of Washington, reserved by grantors in deed and agreement of April 15, 1951, for a period of fifteen (15) years from said date, to wit:

> A tract of land in the NE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., described as follows:
> Beginning at a point 29.5 feet west of the northeast corner of said NE¼ of SE¼, running thence west 189.2 feet; thence North 26°15' West 257.3 feet; thence North 72°18' East 254.4 feet; thence South 41°06' East 59.7 feet; thence South 30°41' East 94.5 feet; thence South 42°26' East 115.8 feet to the point of beginning, containing 1.95 acres, more or less.
>
> The SE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M.
>
> Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.

with such reasonable use of the surface ground as may be necessary to win, work and carry away said minerals so reserved, including the right of Ingress thereto and egress therefrom, for the purpose of exploring, mining, extracting and removing said minerals.

SUBJECT, nevertheless, (a) to the terms, covenants, and conditions of said agreement dated April 15, 1951, contemporaneously filed for record in the office of the County Auditor of Stevens County, Washington, with this deed, and (b) a mortgage dated June 28, 1950, from C. W. Hartbauer et ux. to Fred Kruger on Lot 1, Section 2, and Lot 4, Section 1, all in Township 39 N., R. 41 E.W.M., excepting a tract of land in each of said lots particularly described in said mortgage, to which reference is hereby made, which was filed for record June 23, 1950, and recorded in Book 62 of Mortgages, page 317, Records of Stevens County, Washington, given to secure a promissory note of June 28, 1950, in the sum of $3,500, bearing

5% interest per annum from said date, payable on or before three (3) years from date thereof.

Dated February 21st, 1952.

George B. Polando

Anna R. Polando

Howard E. Hartbauer

Edith P. Hartbauer

Carl H. Hartbauer

Ivy Hartbauer

STATE OF WASHINGTON }
County of Skagway } ss.

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 20th day of February, 1932, personally appeared before me G. W. Burthaner and Ivy Burthaner, his wife, and Howard R. Burthaner and Edith P. Burthaner, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledge that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

J. E. Spurling
Notary Public in and for the State of Washington, residing at Northport, Washington.

STATE OF MICHIGAN }
County of Wayne } ss.

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 21st day of February, 1932, personally appeared before me Anna R. Polando and G. B. Polando, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

A. E. Bohner
Notary Public in and for the State of Michigan, residing at Detroit,

EXPLORATION

Subject: DMEA-2539
Re: Exploration Loan
Hartbauer Property
May 20, 1952

Mr. Karl W. Jasper, President
Grandview Mines
310 Radio Central Building
Spokane 4, Washington

My dear Mr. Jasper:

This will acknowledge receipt of your application dated May 8, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2539 and referred to the Base Metals Division.

Kindly refer to DMEA-2539 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2539

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

May 14, 1952

Memorandum

To: Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: A. E. Weissenborn, Exec. Officer, DMEA Field Team, Region II

Subject: Application of Grand View Mines, Spokane, Washington for exploration project in Stevens County, Washington.

Enclosed are three completed copies each of forms MF-100 and MF-103 submitted by Grandview mines, Spokane, Washington as an application for aid on an exploration project in northeastern Stevens County, Washington. One copy of each is being retained for our files. No field examination is planned on this property unless we are advised by you that such would be desirable.

The exploration project is to explore for possible ore bodies in the Metaline limestone in an area between two currently producing properties. These properties border on opposite slopes of the filled glacial valley. No bedrock is exposed through the valley fill, but it is believed that the Metaline limestone is continuous across the valley, although evidence supports the possibility of a fault near the central part of the valley. The applicant believes that the average thickness of the ground will not exceed 75 feet. Inspection of the terrane and of the topographic maps of the area suggests that the depth of fill may exceed this greatly, and that it may be so deep as to make drilling prohibitively costly.

The applicant's property is situated within 150 feet of the Anderson open pit, an operation from which an estimated 75,000 tons of lead-zinc ore has been mined in the last two years. The implication is that this mineral ore zone persists northeastward across the valley.

The grade of the ore in the Anderson pit is low and probably does not exceed 4 percent. The Admiral ore bodies on the opposite side of the valley are much richer--in the neighborhood

of 20 to 30 percent combined lead-zinc--but on this property the ore is found in small lenses. The general area in which the proposed exploration is to take place is one from which a considerable quantity of lead-zinc ore has been produced. The majority of this has come from ore bodies or mineralized zones in the Metaline limestone. On a regional scale the producing properties lie in a relatively narrow belt parallel to the trend of the Metaline limestone formation. As a consequence, the plan to do wildcat prospecting between the two known ore bodies has some merit. There are also some unfavorable aspects to the proposal. The chief disadvantage is probably the small size of the ore bodies. The Admiral ore shoots are very small. They can be measured in tens of feet, and would be exceedingly difficult to find in drilling. Even the Anderson ore body has a maximum length of only 400 to 500 feet and, as the valley has a width of ~~several thousand~~ 2500 feet, even an ore body the size of the Anderson could be easily missed unless the holes were closely spaced. The depth of overburden in all probability would be too great to permit surface mining, and there are some doubts whether low-grade ore such as is found in the Anderson pit could be recovered by underground mining. Because of difficulties in sinking a shaft in the valley fill, it might be necessary to reach the ore body by sinking from one or the other side of the valley. The fact that the Grandview mines does not at present own the land on either side of the valley is another complicating factor. This would not, however directly affect the exploration itself. Another objection is that, according to the terms of the various agreements by which the Grandview Company holds the ground, the sites for the proposed drill holes are limited to definite areas and to a maximum of 8 acres in these areas. The company would, therefore, be limited in its choice of drilling sites.

The applicants are competent and, if given the contract, would do the work capably. We feel, however, that they have not given sufficient attention to the possible depth of the valley fill. This matter has been discussed, and one suggestion is that the drilling would start at the edge of the valley near the Anderson property, and if the depth proved to be too great, it would be abandoned. The suggestion was also made that the depth of the fill might be determined by some geophysical method, and the applicant is making inquiries into the cost of such a geophysical survey. This would be acceptable and we would be interested in seeing estimates of the cost, but it occurs to me that perhaps one or two churn drill holes built in the center of the valley might tell the story quite quickly and cheaply.

Because of the undoubted competence of the applicant, the Field Team finds it difficult to recommend a denial of the application.

Nevertheless, it feels that the proposal in its present form is not feasible. It would seem wise to withhold any definite recommendation until we have more information on the depth of the gravel in the valley, and the Field Team would be much more inclined to recommend wildcatting in an area where there are at least some outcrops and some possibilities of geologic guidance rather than a gravel-filled valley where there is no possibility of geologic guidance.

By DMEA Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures
cc: USBM, Spokane

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2539
Metal or Mineral
Date Received 5-19-52
Amount $
Participation (Government %)

Name and address of applicant

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Date 5/8/52

If you have already filed MF-100, give date filed 5/8/52, type of assistance requested Exploration Loan,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl V. Jeppe
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Application for Aid

Grandview Mines
310 Radio Central Bdlg.
Spokane 4, Wash.

1. (a) SW¼ of SE¼ of Section 35, Township 40 North, of Range 41 E. W. M. Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E. W. M.; each lot representing a square 40 acre area. 1.95 acres in the NW¼ of the SW¼ of Sec. 35, Township 40 North, of Range 41 E. W. M., adjoining the SW¼ of SW¼ of Section 35

   (b) See accompanying Harbbauer-Grandview deed, and "Guaranty".

   (c) Same as 1(a).

2. (a) Lead and zinc.
   (b) See MF100. 12(a), and accompanying "Geologic Map of Red Top Area" by C. D. Campbell, U. S. Geological Survey.

3. (a) 4000 feet of diamond drilling (see map) @ $7.50 per foot
   Assaying 300 samples at $3.50; $1050. or 0.26 per foot
   Engineering, 20 days; 400. or 0.10 per foot

   Total Cost 4000' @ 7.86 per foot. $31,440.

   Proposed drilling includes one -30 degree hole about 500 feet long driven from the west edge of the meadow eastward to crosscut the projected Anderson ore zone, and 14 vertical holes averaging about 250' in length. Because of the overburden in the meadow, which is of unknown depth but is expected to average less than 75 feet deep, drilling cost estimates are somewhat higher than average. If actual costs are lower than estimated, additional holes would be drilled with funds remaining, provided that earlier drill results justified continuance of drilling.

   (b) Project would take about 2 months to complete.

4. See accompanying "Geologic Map of Red Top Area".

5. None

6. None

7. All work to be done under contract to diamond drilling firm.

8. None

9. See 3(a).

10. (a) $15,720.
    (b) Yes

11. None

Form MF-100
(May 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2539

Date received 5-19-52

Grandview Mines
310 Radio Central Bldg.
Spokane 4, Washington

Name and address of applicant

Date 5/8/52

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production .....

   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

General Technical Data

Grandview Mines
510 Radio Central Bldg.
Spokane 4, Wash.

1. Prospect. No production

2. Hartbauer property. No workings.

3. (a) 1½ miles from Northport, Washington.
(b) Northport Mining District, Stevens County, Washington
(c) Township 39 N., Range 41 E. Sections 2 and 1.
40 N. Range 41 E., Section 35.
(d) Stevens County, Washington

4. (a) No operation.
(b) Grandview Mines owns mineral rights.

5. None.
Depends on results of exploration program.

6. Grandview Mines has been engaged in the lead and zinc mining business in northeastern Washington since 1927. The project would be managed by its regularly employed mining engineers working under its board of directors. Mineral holdings of Grandview Mines in northeastern Washington are shown in accompanying "Northport District" Map. The total area held by Grandview in Stevens County approximates 8500 acres.

7. (a) There has been no previous exploration of the property except for two pits on lead and zinc bearing outcrops. The area to be explored lies under a meadow separating the ore zones of the Anderson Mine and the Admiral Mine.
(b) The northeast end of the workings of the Anderson Mine, an open pit lead-zinc operation, lies within 150 feet of the south edge of the Hartbauer property, as shown in the accompanying "Geologic Map of the Red Top Area, Northport District, Stevens County, Washington." An estimated 75,000 tons of lead-zinc ore has been mined and milled from this cut in the last two years.
The Admiral Mine, northeast of the Hartbauer property, has produced an estimated $150,000. worth of ore in recent years from a high grade lead-zinc shoot and with a three man crew engaged in what amounts to an underground sniping operation.
(c) No private reports on the Hartbauer property are available. U. S. Bureau of Mines R. I. 4043, Anderson Zinc-Lead Prospect, Stevens County, Washington, gives the results of exploration work done in 1944-45 on what is now called the Anderson Mine.

8.

Name and Address	Title	Salary etc.	Net Worth	Shares Common	Life Insurance
Karl W. Jasper 510 Radio Central Bldg. Spokane 4, Wash.	President D.	$7400.	No estimates available.	1,000	None
Paul T. Moetzel W. 416 25th, Spokane	Vice President. D.	200.		4,000	
E. K. Barnes, W. 1008 19th, Spokane	Sec. Treas. D.	500.		5,000	
John H. Roberts, E. 120 Rockwood Blvd., Spokane	D.	200.		13,000	
Fred Trumbull, Ione, Wash.	D.	200.		10,984	

General Technical Data

Grandview Mines

8. (Contd.)

	Title	Salary, etc.	Net Worth	Shares	Life Ins.
E. O. Dressel Metaline, Wash.	D.	$ 200.	No Estimates	9,200	No insurance
Haskil Anderson, 105 W. 6th Ave., Spokane	D., Mng. Engr.	6,200.		1,000	
Mrs. Emily F. Schermerhorn, 1505 E. 20th, Spokane				171,175	
Fred M. Raymond, Box 556, Yakima, Wash.				17,000	
Merritt T. Grilley 709 Bernard St. Spokane				20,000	
Claire Fenstermaker, Opportunity, Wash.				46,000	
Thomas L. Hamilton, Emigrant Gap, Calif.				18,000	

9.

Common Stock	(a)	(b)	(c)	(d)	(e)
3,000,000	$1,500,000.	$1,500,000.	$0.50	3,000,000	6¢ in 1951

10. No production

11. No production

12. (a) There are no known ore reserves. At the K. Hartbauer prospect, as shown on the accompanying "Geological Map of the Red Top Area", there are two surface pits. Each is about four feet deep. Across one pit a 4½ feet sample assayed 3.2% combined lead and zinc. A short adit driven to intersect this mineralization in depth did not find commercial ore. This is almost the only area of exposed bedrock on the Hartbauer property and no importance has been placed on that occurrence in connection with this application.

The drilling program here proposed is based on the expectation that under the meadow which overlies almost all of the Hartbauer property, the projected extensions of the Anderson Mine and the Admiral Mine ore zones will be found.

The Anderson Mine orebody and open pit operation approaches from the southwest to the edge of the outcrop area shown on the map. The northeast end of the Anderson open pit lies about 150 feet from the south line of the Hartbauer property. The open pit strikes northeastward, diagonally across the Hartbauer property. At the first outcrops on the east side of the meadow good lead-zinc ore is again found in the C. Hartbauer prospect on School Section 36, about 50 feet north of the Hartbauer property line; and at the Admiral Mine farther to the northeast bodies of rich zinc-lead ore have been mined. The Metaline limestone in this area strikes roughly N. 50° E. and generally dips to the southeast. The ore bearing horizon of the Metaline limestone in which the lead and zinc replacement deposits of the Anderson and the Admiral Mine are found appears to extend diagonally northeastward for about ½ mile across the Hartbauer property. If this proves to be true a substantial discovery of zinc-lead ore might result from the diamond drilling of the Hartbauer property.

(b) 1. No assay plans or sections

2. None

13. On good graveled county road at Leadpoint, Washington, 17 miles from Northport which is the nearest railroad shipping point; and about 10 miles from the Trail smelter of the Consolidated Mining and Smelting Company of Canada.

14. Hartbauer Creek, and O'Hare Creek, both flow across the property concerned and carry enough water to supply a mining operation satisfactorily during all seasons of the year.

General Technical Data

Grandview Mines

15. No power used.

16. No labor used.

17. None

18. None

MATERIAL
RETRACTED
NOT ON CONTENT

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Grandview Mines
(Name of company)

By Karl W. Jasper
(Signature of authorized official)

5/9/52
(Date)

President
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

A G R E E M E N T

This Agreement, made and entered into this 15th day of April, 1951, by and between C. W. Hartbauer and Ivy Hartbauer, his wife, and Konrad E. Hartbauer and Edith P. Hartbauer, his wife, and Anna R. Polando and G. B. Polando, her husband, as first parties, and Vallie L. Van Sickle and Faye M. Van Sickle, his wife, as second parties, witnesseth:

Whereas, on this date the first parties herein, as vendors, have agreed to sell to the second parties, as purchasers, the following described real estate, and whereas the vendors have reserved certain mineral rights and it is desired to enter into a special agreement covering the matter of mineral rights which have been reserved as aforesaid:

DESCRIPTION:
A tract of land in the NE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., described as follows:
Beginning at a point 29.5 feet west of the southeast corner of said NE¼ of SE¼, running thence west 349.8 feet; thence North 26°15' West 257.3 feet; thence North 72°18' East 254.5 feet; thence South 41°46' East 59.7 feet; thence South 30°41' East 206.1 feet; thence South 42°26' East 115.8 feet to the point of beginning, containing 1.95 acres, ore or less.

The SE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., EXCEPTING therefrom a tract of land described as follows, to-wit:
Beginning at the Southeast corner of said SE¼ of SE¼ of Section 35; running thence north along the east line of said SE¼ of SE¼ a distance of 389 feet; thence west, parallel with the south line of said SE¼ of SE¼, 285 feet; thence south, parallel with the east line of said SE¼ of SE¼, a distance of 389 feet; more or less, to the south line of said SE¼ of SE¼; thence east along said south line 285 feet to the point of beginning.

Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.
EXCEPTING, however, from said Lot 1 of Section 2, the following described tract of land: Beginning at the northeast corner of Lot 1 of said Section 2; running thence west along the north line of said Lot a distance of 210 feet; thence South, parallel with the east line of said lot, a distance of 165 feet, more or less, to the creek running thru said Lot; thence northeasterly, along said creek, a distance of 270 feet, ore or less, to the point of beginning.

Now, Therefore, in consideration of the premises, and in further consideration of the mutual covenants herein contained, it is agreed as follows:

The first parties herein have reserved and do hereby reserve all mineral rights on the above described premises, such reservations to extend for a period of fifteen (15) years from and after the date hereof, after which time such reservation shall expire, and the first parties herein shall have no further rights therein, unless otherwise acquired as hereinafter provided.

It is agreed and understood between the parties that the first parties herein shall pay to the second parties, the sum of $250.00 per Acre for any crop land that has been permanently damaged and rendered unfit for farming, by reason of any mining operations conducted by the first parties herein. It is also agreed and understood that not more than eight (8) acres from said farm shall be taken for such mining operations, and that said amount of land shall not comprise more than three (3) areas, in addition to the roads required to go to and from the same.

The first parties agree that they will conduct their mining operations in such a way as to do the least possible damage to crop lands. It is further agreed that should more than eight (8) acres be required and taken by first parties for such mining operations, then and in that event, the first parties shall pay

to the second parties, the tital sum of $35,000.00, and upon such payment to the second parties will deed back to the first parties all of their right, title and interest in and to said lands and premises, and all rights, including minerals and improvements connected with said lands and premises.

It is also agreed and understood that the first parties shall pay the second parties just compensation for any growing crops which may be damaged through mining and drilling operations.

It is further agreed and understood that if the farm land should be used for purposes other than farming, which would in any way interfere with the rights reserved by the first parties herein, then and in such event, the second parties agree to make satisfactory settlement and payment for any damage which the first parties may sustain.

This agreement is and shall be binding upon the heirs, administrators, executors and assigns of the parties.

In Witness Whereof, the parties have set their hands the day and year first above written.

Konrad E. Hartbauer

Edith P. Hartbauer

C. W. Hartbauer

Ivy Hartbauer

Anna R. Polando
-Anna R.Polando

G. B. Polando
First Parties.

Vallie L. Van Sickle

Faye M. Van Sickle
Second parties.

STATE OF WASHINGTON)
) ss.
County of Stevens)

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 3rd day of May, 1951, personally appeared before me C. W. Hartbauer and Ivy Hartbauer, his wife, and Konrad E. Hartbauer and Edith P. Hartbauer, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

(SEAL)

J. H. Guenther
Notary Public for Washington.
residing at Northport, Washington

STATE OF MICHIGAN)
) ss.
County of Wayne)

I, the undersigned, a Notary Public in and for said county and State, do hereby certify that on this 27th day of April, 1951, personally appeared before me Anna B. Polando and G. B. Polando, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

Notary Public, for Oakland County,
C. B. Rodger Mich. Acting in Wayne County, Mich.
Notary Public for Michigan, residing at Detroit, Michigan.
My Commission expires Jan. 4, 1955
(SEAL)

AGREEMENT

THIS AGREEMENT made this 28th day February, 1952, between Konrad E. Hartbauer and Edith P. Hartbauer, his wife, as first parties, and Grandview Mines, a corporation, as second party:

WITNESSETH : That whereas first parties, and others, are about to convey to second party all minerals and mineral rights in and to the SE¼ SE¼, Section 35, Township 40 North, Range 41 E.W.M., and Lot 1, Section 2, Township 39 North, Range 41 E.W.M., and in and to other lands, all situate in Stevens County, Washington, for a period of fifteen years from A pril 15, 1951, subject to the terms, covenants and conditions of an agreement of said date, and whereas first parties desire to make certain reservations as to the use for mining purposes of those certain tracts of land described as follows:

(a) B eginning at the Southeast corner of said SE¼ of SE¼ of Section 35; running thence north along the east line of said SE¼ of SE¼ a distance of 389 feet; thence west, parallel with the south line of said SE¼ of SE¼, 285 feet; thence south, parallel with the east line of said SE¼ of SE¼, a distance of 389 feet, more or less, to the south line of said SE¼ of SE¼; thence east along said south line 285 feet to the point of beginning, situate in said SE¼ SE¼, Section 35m T ownship 40 North, Range 41 E.W.M.

(b) A triangular shaped piece of land situate in Lot 1, Section 2, Township 39 North, Range 41 E.W.M., starting at the Northeast corner of said Lot 1, extending west 210 feet; thence south 160 feet to the creek; thence northeasterly along the creek back to the starting point.

which tracts of land contain a pproximately 3 acres, more or less, and said tract of land situate in the SE¼ SE¼ of said Section 35, Township 40 North, Range 41 E.W.M. is crossed diagonally by the County Road from about the northwest corner thereof to about the southeast corner thereof, from which County Road there leads a road in a northeasterly direction to the Admiral and Iroquois mines, about one acre of which said tracts of land is situated northeast of said County Road and about two acres of which said tracts of land are situated southwest of the County Road, on which said two acres of said tracts of land are located a dwelling house, garage, chicken house, shop, barn and other buildings, and a garden owned by first parties.

NOW, THEREFORE, it is mutually agreed between the parties hereto as follows:

That while second party shall have the right to explore, mine, extract and remove any and all minerals underneath the whole of said tracts of land, second party connot enter upon nor use the surface of said two-acre tract of land situated southwest of the County Road f or any purpose in connection with its mining operations.

Second party further agrees that in connection with said mining operations it will not in any manner interfere with the County Road nor the right of way thereof nor the said road to the Admiral and Iroquois Mines, nor the use thereof by the public.

IN WITNESS WHEREOF the first parties have hereunto set their hands and the second party has hereunto caused its corporate name to be signed by its president and its corporate seal to be hereunto affixed by its secretary the day and year first above written.

Konrad E. Hartbauer

Edith P. Hartbauer
FIRST PARTIES

GRANDVIEW MINES

By Karl W. Jasper
President.

Attest: E. K. Barnes
Secretary

SECOND PARTY.

STATE OF WASHINGTON)
) ss.
)
County of Stevens)

I, the undersigned, a Notary Public in and for the above named County and State, do hereby certify that on this 28th day of February, 1952, personally appeared before me KONRAD E. HARTBAUER and EDITH P. PARTBAUER, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

J. H. Guenther
Notary Public in and for the State of Washington, residing at Northport.

STATE OF WASHINGTON)
) ss.
County of Spokane)

On this 29 day of February, 1952, before me personally appeared Karl W. Jasper, to me known to be the president of GRANDVIEW MINES, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument, and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal the day and year frist above written.

A. Deckelmann
Notary Public in and for the State of Washington, residing at Spokane.

DEED

The grantors, C. W. Hartbauer, also known as Carl W. Hartbauer and Carl Wilhelm Hartbauer, and Ivy Hartbauer, his wife, and Konrad E. Hartbauer and Edith P. Hartbauer, his wife, and Anna R. Polando and G. B. Polando, her husband, for and in consideration of One Dollar and other good and valuable considerations in hand paid, bargain, sell and convey to GRANDVIEW MINES, a corporation of the State of Washington, all mines, minerals, and mineral rights, lodes, veins, and deposits found or to be found under or within the lines or area of the following described lands, situated in Stevens County, State of Washington, reserved by grantors in deed and agreement of April 15, 1951, for a period of fifteen (15) years from said date, to wit:

> A tract of land in the NE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M., described as follows:
> Beginning at a point 29.5 feet west of the southeast corner of said NE¼ of SE¼, running thence west 349.8 feet; thence North 26°15' West 257.3 feet; thence North 72°18' East 254.4 feet; thence South 41°46' East 59.7 feet; thence South 30°41' East 206.1 feet; thence South 42°26' East 115.8 feet to the point of beginning, containing 1.95 acres, more or less.
>
> The SE¼ of the SE¼ of Section 35, Township 40 North, of Range 41 E.W.M.
>
> Lot 4 of Section 1, and Lots 1 and 2 of Section 2, Township 39 North, of Range 41 E.W.M.

with such reasonable use of the surface ground as may be necessary to win, work and carry away said minerals so reserved, including the right of ingress thereto and egress therefrom, for the purpose of exploring, mining, extracting and removing said minerals.

SUBJECT, nevertheless, (a) to the terms, covenants, and conditions of said agreement dated April 15, 1951, contemporaneously filed for record in the office of the County Auditor of Stevens County, Washington, with this deed, and (b) a mortgage dated June 20, 1950, from C. W. Hartbauer et ux. to Fred Draper on Lot 1, Section 2, and Lot 4, Section 1, all in Township 39 N., R. 41 E.W.M., excepting a tract of land in each of said lots particularly described in said mortgage, to which reference is hereby made, which was filed for record June 23, 1950, and recorded in Book 62 of Mortgages, page 317, Records of Stevens County, Washington, given to secure a promissiory note of June 20, 1950, in the sum of $3,500, bearing

8% interest per annum from said date, payable on or before three (3) years from date thereof.

Dated February 21st , 1952.

George B. Polando

Anna R. Polando

Konrad E. Hartbauer

Edith P. Hartbauer

Carl W. Hartbauer

Ivy Hartbauer

STATE OF WASHINGTON)
) ss.
County of Stevens)

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 28th day of February, 1952, personally appeared before me C. W. Hartbauer and Ivy Hartbauer, his wife, and Konrad E. Hartbauer and Edith P. Hartbauer, his wife, to me known to be the individuals described in and who executed the within instrument, and acknowledge that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal, the day and year last above written.

J. H. Gueuther
Notary Public in and for the State of Washington, residing at Northport, Washington.

STATE OF MICHIGAN)
) ss.
County of Wayne)

I, the undersigned, a Notary Public in and for said County and State, do hereby certify that on this 21st day of February, 1952, personally appeared before me Anna R. Polando and G. B. Polando, her husband, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year last above written.

C. B. Rodger
Notary Public in and for the State of Michigan, residing at Detroit,

APPENDIX 11

GUARANTY

In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of American are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2 (b) of said contract this covenant shall thereupon become fully satisfied and of no further force or effect.

Dated this 9th day of May, 1957

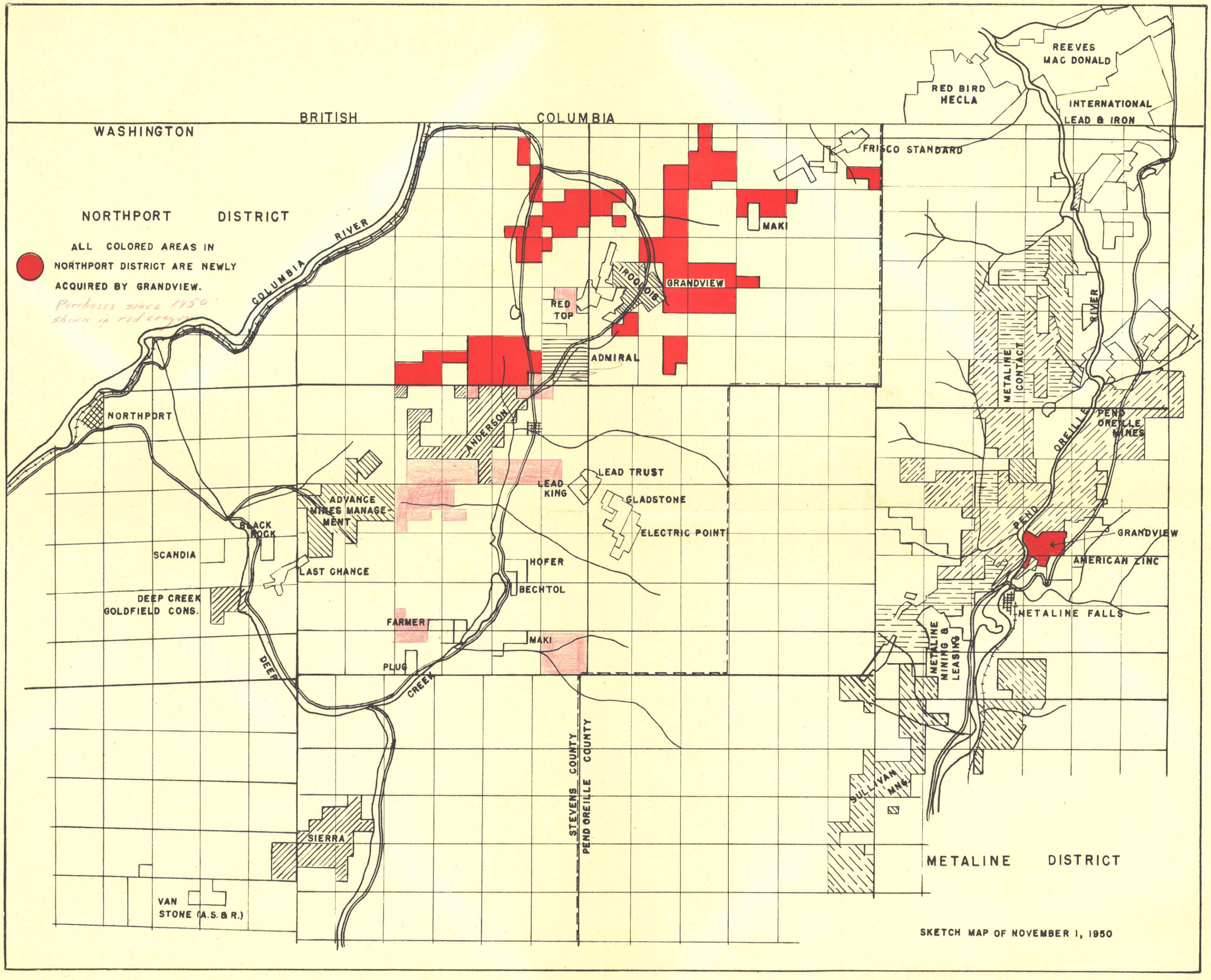
Grandview Mines
by Karl W. Jasper
President.

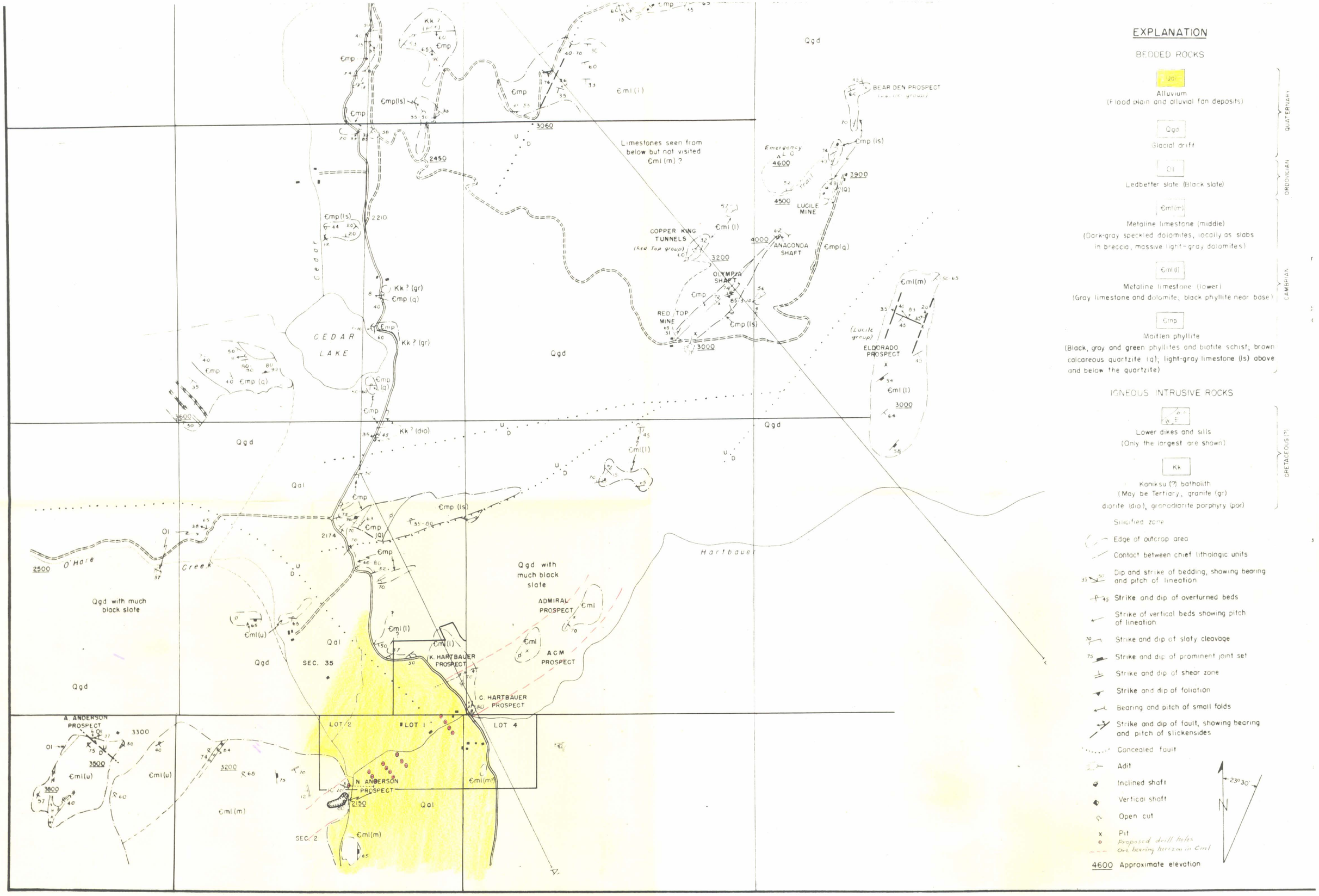
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

PAYMENT OF POS
(PMGC)

Contract Service Section
General Accounting Office
Washington 25, D. C.


WASHINGTON
BRITISH COLUMBIA
NORTHPORT DISTRICT
ALL COLORED AREAS IN NORTHPORT DISTRICT ARE NEWLY ACQUIRED BY GRANDVIEW.
Purchases since 1950 shown in red crayon
COLUMBIA RIVER
NORTHPORT
BLACK ROCK
SCANDIA
DEEP CREEK GOLDFIELD CONS.
DEEP CREEK
ADVANCE MINES MANAGEMENT
LAST CHANCE
FARMER
PLUG
SIERRA
VAN STONE (A.S. & R.)
ANDERSON
RED TOP
ADMIRAL
IROQUOIS
GRANDVIEW
MAKI
LEAD KING
LEAD TRUST
GLADSTONE
ELECTRIC POINT
HOFER
BECHTOL
MAKI
STEVENS COUNTY
PEND OREILLE COUNTY
FRISCO STANDARD
RED BIRD HECLA
REEVES MAC DONALD
INTERNATIONAL LEAD & IRON
METALINE CONTACT
PEND OREILLE RIVER
PEND OREILLE MINES
GRANDVIEW
AMERICAN ZINC
METALINE FALLS
METALINE MINING & LEASING
SULLIVAN MNG.
METALINE DISTRICT
SKETCH MAP OF NOVEMBER 1, 1950



GEOLOGIC MAP OF RED TOP AREA, NORTHPORT DISTRICT, STEVENS COUNTY, WASHINGTON

SCALE 0 1000 2000 3000 4000 FEET