DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE — Idm-E NO. 350 — DMEA NO. 2264

Application
- [ ] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

- [X] Royalty Audits
- [X] Certification of Discovery
- [ ] Closing Letter
- [X] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [X] Contract Amendments
- [X] Contract with all exhibits and annexes
- [X] Owner's Consent to Lien and Subordination Agreement
- [XX] Application and attachments

Right Side

- [X] Project summary (final)
- [X] Work Completed analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semi-Annual Report for Certified Project
- [X] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [X] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 2 : Reports
- [X] Analysis of Semi-Annual Inspection Reports & FT Semi-annual reps.
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [X] Operator's Monthly Reports with transmittal, narrative and maps.

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

Folders No. _____ : Settlement Sheets

Folders No. _____ : Drill Logs

Folders No. _____ : Royalty material

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E550, Docket DMEA-2264 (monazite-columbium-tantalum), dated June 23, 1952, with

Cosumnes Gold Dredging Company
465 California Street
San Francisco, California

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the White Hawk Placer located in Valley County, Idaho, during the period June 22, 1955, through January 2, 1962.

A certification of discovery or development was issued on August 19, 1954, and, in accordance with Article 9 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. An Audit Certificate dated March 8, 1954, indicated accepted costs under the exploration contract amounting to $8,881.79 with the Government's contribution on a 90 percent basis being $7,993.61.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established no sales subject to the Government's royalty for the period subsequent to that covered by a prior Report of Royalty Review, which found no sales subject to the Government's royalty through June 21, 1955. Accordingly, as of January 2, 1962, the royalty account of this project was found to be:

Total Royalty Payable	$ -0-
Total Royalty Paid	-0-
Balance of Royalty Due	$ -0-

February 1, 1962

E. D. Talbert, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

The records disclose no evidence of operations on the property under the contract since termination of the exploration work in November 1952. The Operator terminated its lease of the property on or about July 1, 1953, and the property has remained inactive.

Article 10 of the contract contains the so-called "abandonment" provision; therefore, the Operator possibly is relieved of obligation to pay royalty on future production, if any, unless he reacquires the property during the royalty repayment period. Furthermore, the Owner's Consent to Lien (executed on June 7, 1952, by John Eaton, Main at Pine, Cascade, Idaho, in his own behalf and as Attorney-in-fact for the other property owners) only secures the payment of the percentage royalty "provided for under the terms of said exploration project contract". Therefore, the lien may not be enforceable.

As agent for the owners, John Eaton in a January 2, 1962, reply to a field office inquiry, stated that no leases are in effect and ownership remains with the original locators.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The records indicate no production during the exploration work;

(2) The property has been inactive since 1952; and

(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible royalty which might be disclosed.

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name and Address
Cosumnes Gold Dredging Company
c/o Mr. John Eaton

Main at Pine

Cascade, Idaho

Contract No.	Docket No.
Idm-E350	**DMEA-2264 (Monazite, Columbium-Tantalum)**

Prepared by (Signature)	Date
Donald R. MacLaren	1/24/62

Yes	No		
		1. (a)	Does the Operator stockpile ore subject to royalty repayment?
		(b)	If so, is segregation and identification procedure adequate?
		2. (a)	Does the Operator commingle production subject to DMEA or OME royalties with exempt production?
		(b)	If so, is the allocation of the commingled production equitable?
		3. (a)	Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
		(b)	If so, are adequate records maintained on such material to protect the Government's interest?
		4.	Are the assay controls in effect adequate?
		5.	Does the manner of disposing of production give the Government its fair royalty returns?
		6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?
		7.	Does the Operator buy from or sell to other Operators?
		*8.	Current status of property. (Check one).
☐			Operating.
☐			Inactive.
☐			Abandoned.
			Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

***As nearly as can be determined, this property has been inactive since 1952. See Request for Information form submitted by Mr. Eaton on January 2, 1962.**

84861-60

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

RECEIVED
JUL - 8 1955

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region I, N.W. District, pertaining to Contract Idm-E350, Docket No. DMEA-2264, with:

Cosumnes Gold Dredging Company
465 California Street
San Francisco, California

for the purpose of determining the amount of royalties due the U. S. Government on sales of monazite and columbium-tantalum from property referred to as White Hawk Basin Placer Deposit, located in Valley County, Idaho, during the period, June 23, 1952, to June 21, 1955.

The exploration contract is dated June 23, 1952; the contract was completed in November, 1952; and certification of discovery or development was issued under date of August 19, 1954. According to audit report dated March 8, 1954, prepared by Mr. Robert M. Hull, auditor, total accepted costs under the contract amounted to $8,881.79, with the Government's participation, on a 90 per cent basis, being $7,942.91.

My review included a conference at Cascade, Idaho, on June 21, 1955, with Mr. John Eaton, who is one of the parties to the owner's consent to lien made a part of the exploration contract, in company with Mr. John D. Bardill, metallurgist, Bureau of Mines, Spokane, Washington, who is thoroughly familiar with the project.

This review was made in lieu of an on-site audit of the operator's accounts and records for the following reasons:

(1) The exploration consisted only of drilling ten cased holes with a clamshell drill and the investigation developed that no mining machinery has been installed on the property, so no production subject to DMEA royalty has been possible.

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible royalty which might be disclosed.

The review has not disclosed any sales of minerals from this project which would be subject to royalty payments to the U. S. Government.

C. E. Fisher
C. E. Fisher, Auditor

July 1, 1955

Docket copy

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Cosumnes Gold Dredging Company
465 California Street, Room 403
San Francisco, California

Pursuant to the provisions of Exploration Project Contract No. Idm-E350, dated June 23, 1952, (Docket No. DMEA-2264), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Ten holes were drilled to an average depth of approximately 13 feet from the surface of the White Hawk Nos. 2, 3, and 4 claims and penetrated gravel containing monazite and columbium-tantalum minerals.

Dated: AUG 1 9 1954

Copies to: Operator (original)
Contract Adm. and Audit Division
Field Team (2 copies)
Finance Office
Rare & Misc. Metals Division
Mails & Files docket
Mr. Irving Gumbel, Acting Dir., Materials Div., EPS
Admr. Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm. 4207, GSA
F. E. Johnson
Mr. Knouse

THE UNITED STATES OF AMERICA

By C O Mitkendorf
Administrator, Defense Minerals
Exploration Administration

F Knouse
Ellis
Furman
Martin
Lavender
Hedges
F E Johnson

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the records and transactions of the

Cosumnes Gold Dredging Company
Room 403
465 California Street
San Francisco, California

pertaining to Exploration Project Contract No. Idm-E350, Docket No. DMEA-2264, including Amendment No. 1, covering a project for the exploration of monazite and columbium-tantalum on property located in Valley County Idaho, commonly known as the White Hawk Placer Claims Nos. 1,2,3, and 4, for the period of September 1, 1952 to November 30, 1952.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit disclosed the following facts in regard to the amount to be paid the contractor:

Total cost as billed by contractor			$9,111.96
Add:			
Costs transferred from E-351			54.67
Costs paid by Government			50.70
Total adjusted cost			$9,217.33
Exceptions (see Audit Report for details):			
Prior to this audit	$ .04		
During this audit	340.00	$340.04	
Less: Reinstatement of prior exception		4.50	335.54
Total Accepted Cost			$8,881.79

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Seven thousand nine hundred ninety three and 61/100 dollars (90% of the accepted costs) less a debit of $50.70 (project costs paid by the Government) or the net amount of

$7 942.91

is valid and proper.

This certificate is issued on the provision that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Robert M. Hull
Robert M. Hull
Auditor

March 8 1954

Audit Certificate
March 8, 1954

AUDIT REPORT

I INTRODUCTION

During the month of March, 1953, a final audit covering the period of September 1 1952 to November 30, 1952, was made of the records and accounts pertaining to Exploration Project Contract No. Idm-E350, Docket No. DMEA 2264, including Amendment No. 1, with the

Cosumnes Gold Dredging Company
Room 403
465 California Street
San Francisco, California

covering a project for the exploration of monazite and columbium-tantalum on property located in Valley County, Idaho, commonly known as the White Hawk Placer Claims Nos. 1, 2, 3, and 4.

The accounting records under this contract were maintained by and are in the custody of Mr. Merrill Yost, General Manager of the Cosumnes Gold Dredging Company, 608 34th Street, Sacramento, California.

Prior to the actual audit of the accounts the records of the DMEA Certifying Officer for Region II were reviewed and discussions were held with the Executive Officer of the DMEA Field Team, Mr. A. E. Weissenborn, and Mr. John D Bardill, U. S. Bureau of Mines Engineer assigned to the project.

II GENERAL INFORMATION ON RECORDS

The Cosumnes Gold Dredging Company did not maintain a formal set of books for the exploration project. The General Manager, Mr. Merrill Yost, made available the cancelled checks, the payrolls and supporting time records and tax receipts. These documents, together with the original

supplier's invoices or certified true copies submitted with the Forms MF-104, were adequate for the purposes of this audit.

III SCOPE OF AUDIT AND FINDINGS

The audit was limited to ascertaining the accuracy, propriety, and validity of the costs shown in the "Totals to Date" column of Form MF-104, Operator's Monthly Report and Voucher, for the month of November 1952. The Operator had made transpositions between several of the items of costs and these had been adjusted by the Certifying Officer. Only the work authorized under Stage I of the Exploration Project was accomplished. The findings, after an analysis of the charges and correction of the distribution of costs, follows:

(1) Independent Contracts

The contract provided for the construction of a road to the work site with a tractor with dozer for a maximum of 200 hours at $12.00 per hour while working. Also provided was the sum of $300.00 for the moving of the tractor with dozer to and from the project. The costs properly chargeable and allowable under this item were found to be:

Item	Actual Cost	Claimed	Allowable Maximum
Moving "Cat" to and from White Hawk Basin	$ 334.40	$ 300.00	$ 300.00
Construction of road-211 hrs. @ $12.00/hr.	2,532.00	2,400.00	2,400.00
	$2,866.40	$2,700.00	$2,700.00

(2) Labor and Supervision

A detailed analysis of the payrolls and other documents and a spot check of the cancelled pay checks disclosed the following charges applicable to and allowable under this item of cost:

Labor (Driller, Drill Helper, Sample Plant Operator and Helper)

523½ hours @ $1.50 straight time	$784.87		
157 " " 2.25 overtime	353.25		
63 " " 1.85 straight time	116.55		
36 " " 2.77 overtime	99.72		
		$1,354.39*	

Supervision (General manager-engineer, Merrill Yost)

18 days @ $20.00 per day	360.00
	$1,714.39

*The Operator underclaimed the labor charges by $0.10, but no adjustment was made. Labor did not exceed the going rate for the area and supervision was not in excess of the allowable maximum.

(3) Operating Materials and Supplies

A detailed examination was made of the items chargeable to this category of costs, and the following summarized the findings resulting from the review of vouchers, invoices, and cancelled checks.

	Cost Claimed	Transferred from Item (6)	Reinstated By Audit	Allowed By Audit
Gas and Oil	$370.16	$	$	$370.16
Miscellaneous Supplies	51.20			51.20
Sample plant supplies	54.95	20.07	4.50	79.52
	$476.31	$20.07	$ 4.50	$500.88

A disallowance under Sample Plant Supplies was made by the Certifying Officer due to a mathematical error. The amount of $4.50 was a legitimate charge and is therefore reinstated.

There had been classified under New Buildings, Improvements, Etc., an item of "1 set weights" $20.07. This item is properly allowable under Sample Plant Supplies and results in an increased charge to Idm-2350 of $10.04 as the entire $20.07 is applicable to this contract.

(4) Operating Equipment

Purchased

None.

Rented

None.

Depreciation on Equipment furnished by the Operator was allowable in accordance with Exhibit "A" of the contract at the maximum rate of $315.42 a month on an aggregate of nine items of equipment. The Operator has claimed depreciation only for the periods when the equipment was in use, and therefore the full amount claimed is being allowed as follows:

1-1/2 months (approx)	Screen for sample plant, Geiger Counter, Clam shell drill, 1/2 ton pick-up and car, and minor equipment.	$303.95

(5) Initial Rehabilitation and Repairs

This item is not applicable to this contract.

(6) New Buildings, Improvements, etc.

Under this item there was provided by Exhibit "A" of the contract the following:

Building 12' x 14' floor area, sample concentrating plant and office	$1,000.00*
Equipment installation for power and water at sample concentrating plant	500.00*
Collection of equipment and materials at Slough House, California, and transporting to and installing at work sites	1,535.80*
Lodging and meals of workmen enroute to work sites	96.00*
	$3,131.80*

Fifty percent of the estimated total of each item in this category is an allowable cost under this contract The remaining fifty percent is allowable under Contract Idm-8351, Docket No. DMEA-2265, Cosumnes Gold Dredging Company.

The Operator has claimed the sum of $2,952.12 for this item and allocated $1,476.06, fifty percent, to each contract. However, the entire amount of payroll taxes, $89.26, applicable to New Buildings, Improvements, etc., were claimed under Item 7, "Miscellaneous-Payroll Taxes". The necessary adjustments have been made.

Item	Claimed by Operator	Transferred to Operating Materials & Supplies	Corrected Distribution	Disallowed By Audit	Allowed By Audit
Sample concentrating plant and office	$ 923.79	$	$ 923.79	$	$ 923.79
Equipment installation for power & water	500.00	20.07	479.93	474.46 (3)	5.47
Collection, transportation and installing equipment at work sites	1,432.33		1,432.33	205.54 (1)	1226.79
Lodging and meals for workmen	96.00		96.00		96.00
Payroll taxes	89.26 (2)		89.26		89.26
	$3,041.38	$20.07	$3,021.31	$680.00	$2,341.31

(1) Due to erroneous distribution the Operator included labor charges already claimed under drilling, therefore a disallowance of $205.54 is made.

(2) The payroll taxes ($89.26) applicable to New Buildings, Improvements, etc. had been claimed in their entirety under Contract Idm-E351. These have been transferred to Contract Idm-E350.

(3) The Operator claimed under Equipment Installation for power and water at the sample concentrating plant these items:

1 BKW-5 microscope	$417.50
1 Illuminator, Nichols	40.00
1 Transformer	16.00
1 Extra lamp bulb	.96
Miscellaneous pipe fittings	5.47
1 Set weights	20.07
	$500.00

The item of $20.07 (1 set weights 2000 GM 12720) is allowable under Operating Materials and Supplies to which it has been transferred. The audit disallows the microscope, illuminator, transformer, extra light bulb, in the total amount of $474.46, as these items are not considered by the Executive Officer of the Field Team as being necessary to the project. The miscellaneous pipe fittings are allowed in the amount of $5.47.

The proper amount allowable under this item is $2,341.31, with 50 percent, $1,170.66 allocated to Contract Idm-E350 and $1,170.65 to Contract Idm-E351.

The Operator elected to improve an existing building on the property because of its nearness to electric power and water facilities necessary for the screening-washing laboratory, rather than erect a new one. The amount involved of $2,341.31 after deductions (50% on each of the contracts) was less than the total amount of $3,131.80 allowed in Exhibit "A" of the contracts.

As the improvements were made on an existing building they reverted to the owner, Mr. Frank Callender of Cascade, Idaho, when the building was released by the Operator. Under these circumstances, it was impossible for the Operator or the Government to dispose of the improvements made to the building.

It is the position of the Field Team, as set forth in their memorandum of July 24, 1953, that "neither the Operator nor the Government has an equity in the improvements".

(7) Miscellaneous

The findings of the audit as to the costs chargeable to, and allowable under, this item are summarized as follows:

	Costs Claimed	Costs Paid by Government	Disallowed by Certifying Officer	Acceptable Costs
Liability Insurance	$ 64.29			$ 64.29
Repairs to equipment	$ 586.26	$	$ 0.04	$ 586.22
Sampling and analysis	550.80	50.70		601.50
Payroll taxes	72.00			72.00
Accounting services	50.00			50.00
Lodging and meals at work sites	1,118.00			1,118.00
	$2,441.35	$50.70	$ 0.04	$2,492.01

Repairs to Equipment covered minor repairs to the clam shell drill, including portable compressor power unit, pick-up truck and caterpillar tractor with dozer.

The invoice of the Cascade Auto Company for October, 1952, was overstated by $0.04. The Operator did not adjust his figures to reflect the disallowance made by the Certifying Officer, which is concurred in

Sampling and Analysis costs claimed by Operator covered:

Hauling samples - White Hawk Basin to Cascade, Idaho			
10 round trips -- 212 miles @ $0.25/mile	$530.00		
Railroad freight - to Red Mountain, Calif.	7.75		
Weights for samples	13.05	$550.80	
Additional costs paid by the Government		50.70	
Total			$601.50

Due to the location of the White Hawk Basin, it was necessary for the Operator to pay $0.25 a mile for hauling. The Field Team considers this a reasonable cost under the circumstances.

The Field Team did not consider the analysis work done by the Operator as adequate and therefore ordered 10 additional assays made. The work was done by Mr. John F. Kolars, 2010 Eastlake 2, Seattle, Washington, at a cost

of $5.07 per assay. The Government paid the entire cost ($50.70) of this work. The audit allows the Operator's claim of $550.80, as well as the amount of $50.70 paid by the Government, a total of $601.50 for sampling and analysis.

Payroll taxes applicable to this project, at the following rates, which were verified by reference to the Company's records, were:

Federal Old Age Benefit	1.5%
Idaho Unemployment	2.7%
Idaho Compensation Insurance	3.75%

Payroll Taxes				
Social Security	$1,714.29	1.5%	$25.71	
Idaho Unemployment	1,714.29	2.7%	46.29	
				$72.00
Liability Insurance	1,714.29	3.75%		64.29
				$136.29

The audit allows Payroll Taxes in the amount of $72.00 and Liability Insurance in the amount of $64.29.

Accounting services for one month at the rate of $50.00 were claimed and allowed. This covered the wages of Mrs. Irma Yost, bookkeeper, and were paid by check No. 77, October 12, 1952.

Lodging and meals at the work site were claimed in the amount of $1,118.00, based on the rate of $8.00 per man per day for 143 days. No adjustment was made between the amount claimed and the correct amount of $1,144.00. This item had been classified under Contingencies and was transferred to Miscellaneous and is allowed in the amount of $1,118.00.

IV CONCLUSIONS

The audit disclosed that the costs charged to this project, with the exception of the disallowances itemized under items (6) New Buildings,

Improvements, etc., and (7) Miscellaneous-Repairs to Equipment, of the preceding section of this report, are reasonable and proper under the terms of the contract.

The audit disclosed the status of the allowable maximums to be:

	Allowable Maximums	Accepted Costs	Balance
Bulldozing	$2,400.00	$2,400.00	-0-
Moving tractor to and from project	300.00	300.00	-0-
Engineer-Manager	360.00	360.00	-0-
Equipment-Depreciation	315.42	303.95	11.47
Sample concentrating plant and office	1,000.00	923.79 (a)	76.21
Equipment installation, power and water	500.00	5.47 (a)	494.53
Collection of equipment and materials	1,535.80	1,316.05 (a)	219.75
Lodging and meals of workmen	96.00	96.00 (a)	-0-
50% of (a) items allowable to project	1,565.90	1,170.66	395.24
Sample analysis and sample transportation	850.00	601.50	248.50
Lodging and meals at work site	1,168.00	1,118.00	50.00
Total Stage I	10,156.97	8,881.79	1,275.18

The adjustments between "Items of Cost" as shown on the November, 1952, Form MF-104, the disallowances, and the accepted costs, are summarized on Exhibit A attached.

	Totals MF-104 November 1952	Corrected Distribution	Transferred From Idm-E351	Costs Paid by Government	Disallowed By Audit	Reinstated By Audit	Allowed By Audit
(1) Bulldozing-road building	$2,700.00	$2,700.00	$ -0-	$ -0-	$ -0-	$ -0-	$2,700.00
(2) Labor & Supervision							
Labor	1,354.29	1,354.29	-0-	-0-	-0-	-0-	1,354.29
Supervision	360.00	360.00	-0-	-0-	-0-	-0-	360.00
(3) Operating Materials & Supplies							
Gas and Oil	370.16	370.16	-0-	-0-	-0-	-0-	370.16
Miscellaneous supplies	51.20	51.20	-0-	-0-	-0-	-0-	51.20
Sample plant supplies	54.95	64.98	10.04	-0-	-0-	4.50	79.52
Repairs to equipment	586.26		-0-				
	1062.37						
(4) Operating Equipment							
Depreciation	303.95	303.95	-0-	-0-	-0-	-0-	303.95
(5) New Buildings, Improvements, Etc.	1,476.06	1,466.03	44.63	-0-	340.00	-0-	1,170.66
(7) Miscellaneous							
Repairs to equipment	-0-	586.26	-0-	-0-	.04*	-0-	586.22
Sampling and analysis	550.80	550.80	-0-	50.70	-0-	-0-	601.50
Payroll Taxes	72.00	72.00	-0-	-0-	-0-	-0-	72.00
Accounting services	50.00	50.00	-0-	-0-	-0-	-0-	50.00
Lodging & meals at work site	-0-	1,118.00	-0-	-0-	-0-	-0-	1,118.00
Liability Insurance	64.29	64.29					64.29
(8) Contingencies							
Lodging & meals at work site	1,118.00	-0-	-0-	-0-	-0-	-0-	-0-
	$9,111.96	$9,111.96	$54.67	$50.70	$340.04	$4.50	$8,881.79

*Disallowed by Certifying Officer

The audit has been fully discussed with the Executive Officer of the DSHA Field Team.

Robert M. Hull

Robert M. Hull
Auditor

March 8, 1954

Docket Copy

(Amendment to Change Starting and Completion Dates)

AMENDMENT NO. 1

It is agreed this 20th day of Oct. 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Cosumnes Gold Dredging Company, a corporation, 465 California Street, San Francisco, California (Docket No. 2264 - monazite, columbium, tantalum) each acting in consideration of the agreement to the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E350 of June 23 1952 between the parties hereto be modified and amended to change ~~the starting date from to within~~ ~~No. of day~~ ~~No. of days~~ ~~of the date of the contract and~~ the completion period from 4 (No. of months) to 14 (No. of months) from the date of the contract. The effective date of this amendment shall be October 20 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum".

Executed in sextuplicate the day and year first above written.

COSUMNES GOLD DREDGING COMPANY
(Operator).
By Merrill Grant

The United States of America
By A. E. Weissenborn
A.E.Weissenborn, Exec. Officer
DMEA Field Team, Region II

COSUMNES GOLD DREDGING COMPANY
Docket No. DMEA 2264 (monazite-columbium-tantalum)
Contract Idm-E350

Justification for Amendment No. 1

The drilling, access road, and procurement of samples of Stage I of the contract have been completed. Sample treatment and analysis will require several months longer, necessitating an extension of time to complete the prospect.

The results of Stage I will dictate whether Stage II will be undertaken next summer when weather conditions will permit resumption of test drilling. An extension of 10 months is justified to satisfactorily complete this project.

John D. Bardill
Chief, DMPA Section
Bureau of Mines, Region II

(*b*) The Government's payments [illegible] cases will be based on actual, necessa[illegible]s (including contract unit prices) incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(*c*) No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes) or any other indirect costs, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) Compliance with requirements.—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account as provided in Article 12.

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 90 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $18,003.60, which is 90 percent of $20,004.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

(*b*) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 10. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 11. *Title to and disposition of property.*—All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.* ____________

____

____

____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mittendorf

Acting Administrator
Defense Minerals Exploration Administration

COSUMNES GOLD DREDGING CO.
(Operator)

By M Standifer President

I, M. B. Standifer, certify that I am the ~~Hoffland~~ Assistant secretary of the corporation named as Operator herein; that G M Standifer, who signed this contract on behalf of the Operator, was then president of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

M. B. Standifer

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66328-1

MF-200
(June 1951)
(Revised Feb. 1952)

DOCKET NO. DMEA 2264

COMMODITY Monazite, Columbium-Tantalum

Docket Copy

Idm-E350

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

IT IS AGREED this 23rd day of June, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Consumnes Gold Dredging Company, a corporation
465 California Street, Room 403
San Francisco, California

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Idaho County of Valley described as follows: [3] The White Hawk Placer Claims Nos. 1, 2, 3 and 4, located in the Paddy Flat Mining District, along the drainage area of White Hawk Creek in White Hawk Basin as indicated on the attached map identified as Annex I and made a part hereof. The locations of the claims are further described in Book 5, pages 344, 345, 346 and 347, and amended descriptions are contained in Book 6, pages 501, 502, 504 and 505.

the Operator represents and undertakes: [4] ~~(a) That the Operator is a lessee, in possession and entitled to possession, and that the property is subject only to the [illegible] encumbrances as to each of which the subordination agreement of the holder is attached.~~

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for [5] Monazite and Columbium-Tantalum in or upon the described land; and shall bring the project to completion within a period of four months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

ARTICLE 4. *Performance of the work.*—(*a*) *Operator's responsibility.* The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A," attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A," as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(*c*) *Government may inspect.*—The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. *Allowable costs of the project.*—(*a*) The costs of the project in which the Government will participate are limited to the following:

(1) *Independent contracts.*—Payments to independent contractors under independent contracts listed in Exhibit "A." The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) *Operating materials and supplies.*—Necessary materials and supplies including items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A."

(4) *Operating equipment.*—Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A." Any items listed as owned and to be furnished by the Operator, and related initial allowable depreciation, are allowable maximums.

(5) *Rehabilitation and repairs.*—Any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A." These items are allowable maximums.

(6) *New buildings, improvements, installations.*—Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A." All of these items are allowable maximums.

(7) *Miscellaneous.*—Repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance and payroll taxes.

(8) *Contingencies.*—Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A," as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

EXPLORATION PROJECT CONTRACT
COSUMNES GOLD DREDGING CO.
DOCKET NO. DMEA-2264

EXHIBIT "A"

Description of the Work

The work to be done is for the purpose of exploring the described property for monazite and columbium-tantalum in the placer gravel along the drainage area of the creeks as is indicated on the attached map Annex I.

The work consists of preliminary work, described below, followed by work in two stages. If, in the opinion of the Government, the results obtained from the work done in Stage 1 warrant it, so much of the additional work specified in Stage 2 which is authorized by the Government, shall be done.

Prior to beginning the work described under Stage I, the equipment and the materials required for the work shall be collected at Sloughhouse, California, and transported to the work site. This equipment includes a clam shell drill, a sample concentrating plant, a tractor and trucks which are to be used for exploring the property described in this contract and also the Paddy Flat Placer Property, described in Contract Docket No. DMEA-2265, both operated by Cosumnes Gold Dredging Company. The sample concentrating plant is to be erected on the Paddy Flat Placer property. Samples from both projects are to be processed by this plant. The cost of collecting and transporting the equipment and materials to the work site, and of erecting the sample concentrating plant is allocated equally between each of these projects.

Stage I

a. Construct 3 miles of road to work site with a tractor w/dozer.

b. Drill ten (10) 20" diameter cased holes with a clam shell drill at locations No. 1 through No. 10, indicated on Annex I attached, to an approximate depth of 35 feet each; concentrate and sample the material obtained from the holes; and have samples analyzed.

Stage II

Drill eighteen (18) 20" diameter cased holes with a clam shell drill at the locations indicated on Annex I attached, as approved by the Government, to an approximate depth of 35 feet each; concentrate and sample the material obtained from the holes; and have samples analyzed.

Estimated Costs of Project
(*Indicates allowable maximum)

(1) Independent Contracts

Stage I

D-7 Tractor w/dozer, including operator, supplies and all costs, except the cost of moving tractor w/dozer to and from the project, 200 hrs.* @ $12/hr.* while working	$2,400.00*	
Moving tractor w/dozer to and from project	300.00*	$2,700.00*

Stage II

None

(2) Labor, Supervision, Consultants

Stage I

(The estimated costs under this stage are based upon drilling 10 holes at the rate of two holes every three days, plus the allowance of one day for shutdowns)

			Total (Including Overtime)
1 Driller	16 shifts, 8 hrs.	$1.75 per hr.	$238.00
1 Driller helper	" " " "	1.38 " "	187.88
2 Utility men	32 " " "	1.27 " "	350.52
1 Truck driver	16 " " "	1.50 " "	204.00
1 Sample plant Operator	16 " " "	1.75 " "	238.00
1 Sample plant Operator-Helper	16 " " "	1.38 " "	187.88

			Total (Including Overtime)
1 Engineer-Manager	18 days*	$20.00 per day*	$360.00*
Total Stage I			$1,766.28

Stage II

(The estimated costs under this stage are based upon drilling 18 holes at the rate of two holes every three days, plus the allowance of two days for shutdowns)

1 Driller	29 shifts, 8 hrs.	$1.75 per hr.	$448.00
1 Driller-helper	29 " " "	1.38 " "	353.28
2 Utility men	58 " " "	1.27 " "	325.12
1 Truck Driver	29 " " "	1.50 " "	384.00
1 Sample plant Operator-Helper	29 " " "	1.38 " "	353.28
1 Sample plant Operator	29 " " "	1.75 " "	448.00
1 Engineer-Manager	38 days*	20.00 per day*	760.00*
Total Stage II			$3,071.68

Note: The work week is defined as 48 hours. The rates fixed for labor under both stages are based upon a 40 hour week, and the estimated total amount for each item of labor includes an allowance for time and one-half after 40 hours.

(3) Operating Materials and Supplies

Stage I

Gasoline and oil	$700.00
Repair parts for equipment, tires, tubes, etc.	700.00
Miscellaneous supplies	100.00

Power for sample concentrating plant	$ 50.00	
Sample concentrating plant supplies	50.00	
Total Stage I		$1,600.00

Stage II

Same materials and supplies detailed under Stage I		2,135.00

(4) Operating Equipment

To be purchased

Stage I and Stage II

None

To be rented

Stage I

Transit, rod and tape @ $40/mo.	40.00

Stage II

Transit, rod and tape @ $40/mo., 2 mos.	80.00

To be furnished by Operator

Stage I

	Fair market value
Screen for sample plant	$ 150.00
Jig	200.00
Minor equipment units, pump tools, etc.	350.00
Geiger counter	225.00

	Fair market value	
Clam shell drill mounted on Dodge 2 ton truck, including portable compressor power unit	$9,000.00	
~~1½~~ 1/3 ton G.M.C. 1950 model pickup truck	1,500.00	
1½ ton Dodge truck	1,500.00	
Chrysler 1945 model automobile	1,500.00	
D4-Caterpillar tractor w/dozer	4,500.00	
Total value of equipment	$18,925.00	
One month depreciation (on 5 year basis)		$ 315.42*

Stage II

Equipment depreciation (detailed in Stage I) @ $315.42 per month for 1½ months		473.13*

(5) Rehabilitation and Repairs

None

(6) New Buildings, Improvements, Installations

Stage I

Building 12' x 14' floor area, sample concentrating plant and office	$1,000.00*	
Equipment installation for power and water at sample concentrating plant	500.00*	
Collection of equipment and materials at Sloughhouse, California, and transporting to and installing at work sites	1,535.80*	

Lodging and meals of workmen enroute to work sites	$ 96.00*	
	$3,131.80*	
Only 50% of the estimated total of each item scheduled under this category is an allowable cost under this contract. The remaining 50% is scheduled in Exhibit "A" of Docket No. DMEA-2265		$ 1,565.90*

Stage II

None

(7) Miscellaneous

Stage I

Sample analysis and sample transportation	850.00* ✓	
Payroll compensation insurance @ 4% of payroll	101.37	
Accounting @ $50/mo. one month	50.00	
Lodging and meals at work sites @ $8.00 per day per man,* 146 days	1,168.00*	
Total Stage I		$ 2,169.37

Stage II

Sample analysis and sample transportation	1,600.00*	
Accounting @ $50/mo., two months	100.00	
Payroll compensation insurance @ 4% of payroll	122.87	
Lodging and meals at work sites @ $8.00 per day per man,* 283 days	2,264.00*	
Total Stage II		$ 4,086.87

Total Stage I	$10,156.97*
Total Stage II	9,846.68*
Total Estimated Cost of Contract	$20,004.00*
Government participation @ 90%	$18,003.60*

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Idaho, County of Valley, described as follows: 1/ The mining claims White Hawk Nos. 1, 2, 3, & 4, in White Hawk Basin, described in the mining lease dated November 17, 1951, between John Eaton and Gertrude M. Eaton, et al, lessors, and Guy M. Standifer and Merrill Yost, lessees, which lease has been assigned to Cosumnes Gold Dredging Co. by Standifer and Yost.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Cosumnes Gold Dredging Co.,
Room 403, #465 California St.,
San Francisco, Calif.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 18,003.60, or ten years have elapsed from the date of the contract.

Loan Loan

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

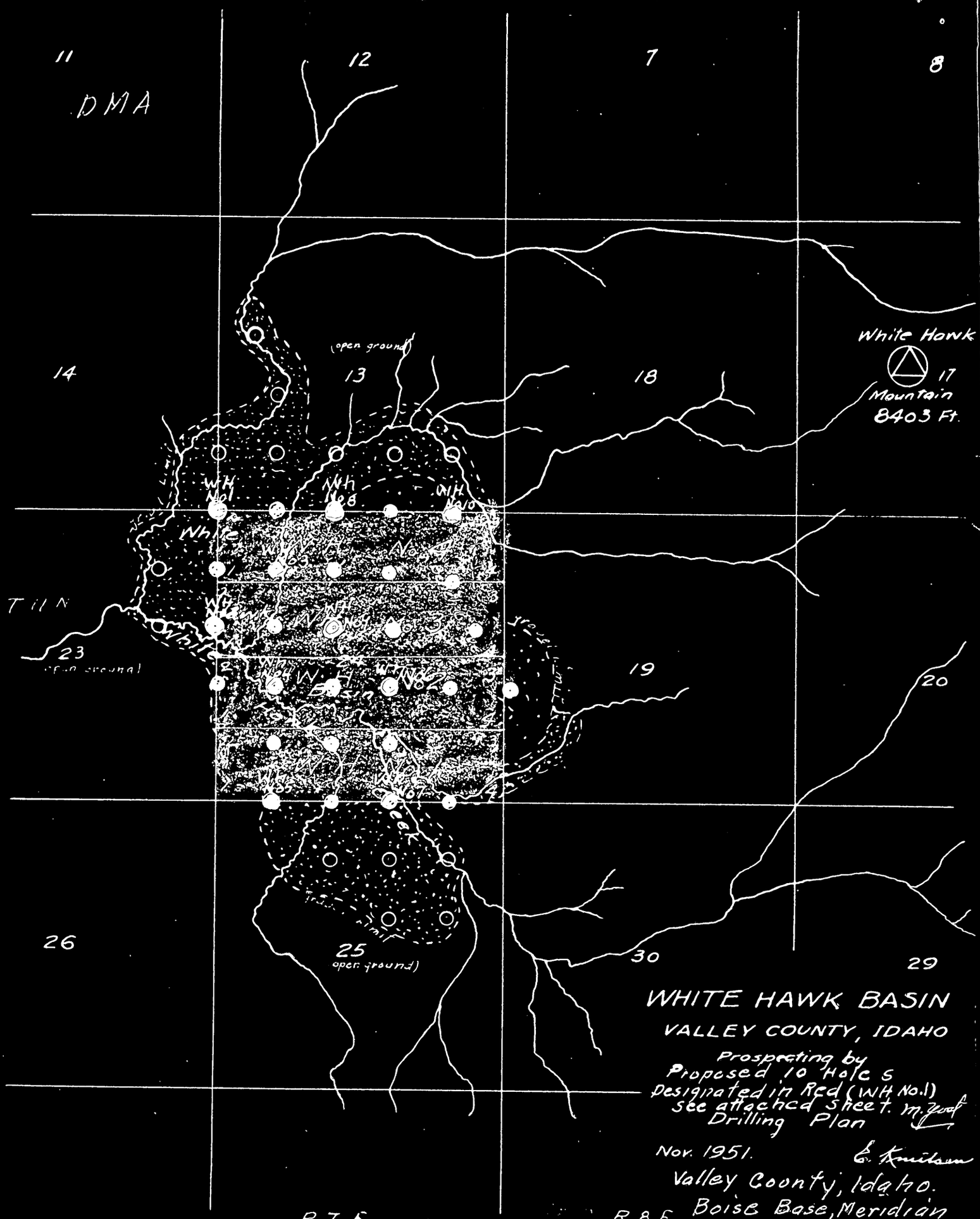
Dated this 7th day of June, 1952.

[Seal]

[Seal]

Gordon Squires
Doris Squires
D. B. Patterson
Pauline Patterson
Joe Slifka
Margaret Slifka
Wm. M. Darling
Everett Johnson
B. A. Parks
C. N. Parks

By
Attorney in Fact



WHITE HAWK BASIN
VALLEY COUNTY, IDAHO

Prospecting by
Proposed 10 Holes
Designated in Red (WH No.1)
See attached Sheet. M. Zeed
Drilling Plan

Nov. 1951. E. Knudsen

Valley County, Idaho.
Boise Base, Meridian
Claims Under option by
Cosumnes Co [redacted]

ANNEX. I.

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-2264
Metal or Mineral Monazite - Columbium
Date Received 11-30-51
Amount $ 7,213.15
Participation (Government %)

Name and address of applicant

Co-Summes Gold Dredging Co
465 Calif St Room 403
San Francisco Calif

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 30 10 54 AM

Date 11/17-51

Exploration loan
Monazite - Columbium etc

If you have already filed MF-100, give date filed ~~Nov. 24-51~~, type of assistance requested none

DMA Docket Number (if available) none

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? Monazite Columbium Manganese Tungsten etc

   (*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.

16—64067-2

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? 10% of cost

    (*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)? Yes

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.

Common Gold Dredging Co. By [signature]

(Name of company) (Signature of authorized official)

11/15-57 President

(Date) (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

United States Departmento of Interior
D. M. A.
Form MF-103

1. (a) See attached Map and description.

(b) See attached option.

(c) See attached Legal description.

Note 1. Both areas same.

Note 2. See attached Subordination agreement.

2. (a) Monazite, Ilmenite, Zircon, Garnet and Uranium and Columbite.

(b) See map and engineers report attached.

3. (a) The work is to be done with churn drills using 6" casing. The total sample will be taken to the sand plant provided at Cascade for concentration and seperation. The holes will be drilled at regular intervals as shown on the map and an ultimate survey made to calculate the yardage and values of the entire project. This work will take about two months to complete. If the results are not accurate with the churn drill which may happen if the ground runs or the cores are short some of the drill holes will be checked by shafts either by hand or mechanical means. The cost of this exploration work is estimated at $7,313.15.

(b) Due to snow conditions the drilling can not be started before June 1, 1952. All the work can be completed by Oct. 1, 1952

4. Does not apply.

5. None.

6. None.

7. (a) Rented equipment. Placer drill complete for

2 Mo. @ $400.00 Per Mo.	$800.00
Move in and move out	200.00
Total rented equip.	$1000.00

7. (a) Rented (continued)

Road construction 3 Mi. Main road and 1½ Mi. Laterals. One HD-10 or M7 Cat. 30 Da. Fully orperated and maintained, @ 10 Dollars per Hr. 240 Hrs. ---------- $2,400.00

Total rented cat. ---------- $2,400.00

Total of all rented equipmento ---------- $3,400.00

(b) Purchased equipment

1. Camp facilities for 4 persons and camp tender. Tents field kitchen and facilities for lighting. ---------- $385.00
2. Lumber for tent floors Etc. ---------- 105.00
3. Allow 3 days labor three men to set up camp @ $12.445/day . 112.00

Total Purchase Equip. ---------- $602.00

(c) Furnished by C. G. D. Co.

1. Lighting plant and all hand tools.

8. Labor. (Appx. 930 Ft. Hole, p20 Ft. per Da. 6 Da. Wk.)

Driller (and crew boss) @ $1.75 per Hr. ----------	$ 14.00
Helper @$1.38 per Hr. ----------	11.04
Utility man @$1.27 per Hr. ----------	10.16
Camp cook ---------- ($300.00 per Mo. --	10.00
Total per day ---	$45.00
6 days per week ----------	$293.15
Add compensation and taxes ----------	37.64 - 12.83% of PR
Total labor per Week -----	$330.79
Total of 8 weeks ----------	$2646.32

9. Add $2.40 per day per man for board which is furnished to drill crew. -------- 60 Days. ------- $486.00

Add bit shappening and etc. ---------- 178.83

Total cost of project ****----- $7,313.15

10. $ 7313.15

11. Yes.

Merill Foot

7. (b) Purchased.

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. D.M.E.A. 2264

Date received 11-30-51

Name and address of applicant

Cosumnes Gold Dredging Co.
465 Calif St Room 403
San Francisco
Calif

Date 11/13/51

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.

U. S. Department of the Interior.
D. M. A.
FM-100.

1. Materials Produced.

(a) Monazite and Radio Active Sands of the Urnaium Columbium complex.

(b) Zircon, Garnet, Ilmenite and Magnetite.

2. Does not apply.

3. (a) Cascade, Idaho 68 Mi. North West.

(b) White Hawk Basin.

(c) Sec. 13,14,23 and 25 of Twp. 11 N R7 E Boise B.M.

(d) Valley, County, Idaho.

4. (a) Not in operation.

(b) Lessee.

5. Late in 1952.

6. Mr. G. M. Standifer organized and operated the Cosumnes Gold Dredging Co. from 1935 to the present time. Also organized and operated the California Gold Dredging Co., Klamath Gold Dredging Co. and the Dayton Gold Dredging Co.

M. Yost 15 years sampling, construction and operation of gold dredging properties in California. Also 5 years heavy construction and general contracting of raad construction and heavy grading.

7. (a) Does not apply.

(b) None.

(c) See attached engineers report.

8. Filled in by Mr. Standifer.

9. Filled in by Mr. Stndifer.

10. Does not apply.

11. Does not apply.

12. (a) See attached entineers report.

12.

(b) Does not apply.

(c) 1. 48,000,000 Cu. Yds. in the deposit. Estimate of mineral content per Cu. Yd. Monazite, ½ Lb. Cu. Yd. 7 .5 ¢. Garnet 2 Lbs. Cu. Yd. 8.0¢ . Ilmenite 6 Lbs. not quoted ½ Lb. Zircon Cu. Yd. 1.5 ¢. Estimate of Radio Active concentrates per Cu. Yd. 1-15 Lb. U_3O_8 23.0 ¢ . Total value of concentrates 40.0 ¢ Cu. Yd.

2. See attached map and Engineers report.

3. The gravel is smooth well washed up to 8" in diameter. There is no cemented or frozen ground. Thereis on part of the dredgeagle area a growth of scrub pine up to 8" in diameter. This can easily be cleared with a bull- Dozer. There is about 2 Ft. of sand and loam over the gravel.

4. Bedrock where exposed is a soft even decomposed granite.

5. Overburden average thinkness 2 Ft. of sand and Loam. Not cemented.

6. (a) Estimated Cu. Yds. ---------- 48,000,000.

(b) Unknown

(c) Unknown

(d) 40.0 ¢ per Cu. Yd.

(e) Estimated cost per Cu. Yd. 15.0 ¢

13. Shipping point Cascade, Idaho, 68 Mi. graded road maintained by county and Forest Service.

14. Unlimited.

15. 900 K.W. cost six mills per K. W. Hr. from Idaho Light and power Co.

16. Does not apply.

17. None.

18. The facilities for the Baddy Flat area for concentrating and managing would absorb this operation except the drilling Caterpillar work and the field living quarters.

Merrill Yost

WHITE HAWK # 1

Located on the 14th day of July, 1951. Recorded on the 14th day of July, 1951 in Book 5 of Placer at Page 344.

Locators:	Wm. M. Darling	Joe Slifka
	Gordon Squires	Everett Johnson
	D. B. Patterson	B. A. Parks
	John Eaton	C. W. Parks

DESCRIPTION:

160 acres in Section 19, Twp. 11 N., Range 5 E. B. M. in what is known as the White Hawk Basin tributary to the Deadwood River in unorganized Mining District, in the County of Valley and State of Idaho,. Commencing at this monument, which is the Southwest corner of the claim, said monument being corner No.1, Upon which this notice is posted; thence in a Northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in a Easterly direction 5280 feet to corner monument No. ~~3~~ 3, the northeast corner of the claim; thence in a southerly direction 1320 feet to corner monument No. ~~2~~ 4, the southeast corner monument of the claim; thence in a Westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, upon which this notice is posted, is situated about 300 feet in a northerly direction from White Hawk Creek.

WHITE HAWK # 2:

Located on the 14th day of July, 1951. Recorded on the 14th day of July, 1951 in Book 5 of Placer at page 345.

LOCATORS: SAME AS ABOVE:

DESCRIPTION:

160 acres in Section 19 Twp. 11 N., Range 5 E. B. M. in what is known as the White Hawk Basin tributary to the Deadwood River in unorganized Mining District, in the County of Valley and State of Idaho, Commencing at this monument, which is the southwest corner of the claim, said monument being corner No. 1, upon which this notice is posted; thence in a northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in a easterly direction 5280 feet to corner monument No. 3, the northeast corner of the claim; thence in a southerly direction 1320 feet to corner monument No. 4, the southeast corner monument of the claim; thence in a westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, upon which this notice is posted, is situated about 1620 feet in a northerly direction from White Hawk Creek. This claim is to be known as White Hawk No. 2.

WHITE HAWK # 3:

Located on the 14th day of July, 1951. Recorded on the 14th day of July 1951, in Book 5 of Placer at page 346.

LOCATORS: SAME AS ABOVE:

DESCRIPTION:

160 acres in Section 19, Twp. 11 N. Range 8 E. B.M. In what is known as the White Hawk Basin tributary to the Deadwood River in unorganized Mining District, in the County of Valley State of Idaho. Commencing at this monument, which is the southwest corner of the claim, said monument being corner No. 1, upon which this notice is posted; thence in a northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in a easterly direction 5280 feet to corner monument No. 3, the northeast corner of the claim; thence in a southerly direction 1320 feet to corner monument No. 4, the southeast corner monument of this claim; thence in a westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 11 upon which this notice is posted is situated about 2940 feet in a northerly direction from White Hawk Creek.

WHITE HAWK # 4.

Located on the 14th day of July, 1951. Recorded on the 14th day of July, 1951 in Book 5 of Placer at page 347.

Locators: <u>Same as above</u>:

DESCRIPTION:

160 acres in Section 19, Twp. 11 N. R. 8 E. B.M. In what is known as the White Hawk Basin tributary to the Deadwood River in unorganized Mining District, In the County of Valley and State of Idaho, particularly described as follows: TO-WIT:

Commencing at this monument, which is southwest corner of the claim, said monument being corner No. 1, upon which this notice is posted; thence in a northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in a easterly direction 5280 feet to corner monument No. 3, the northeast corner of the claim; thence in a southerly direction 1320 feet to corner monument No. 4, the southeast corner monument of the claim; thence in a westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, upon which this notice is posted, is situated about 4260 feet in a northerly direction from White Hawk Creek.

Merrill Yost

Cascade, Idaho

Nov. 16, 1951

Mr. G. M. Standifer
1000 California Street,
San Francisco, California

Dear Mr. Standifer:

During September of this year a certain area of gravels located in White Hawk Basin, Valley County, Idaho, was brought to the attention of our manager Mr. Merrill Yost, by a Mr. John Eaton, a business man in Cascade, Idaho, and a member of an association having claims in this basin.

The White Hawk Basin is located in the south eastern part of Valley County, Idaho, more definitely described as being in Sections 13, 14, 23, and 25 of T 11 N, R 7 E., Boise B.M. The center of the area is approximately 2½ miles south westerly from the lookout station on the top of White Hawk Mountain and 3½ miles south easterly from the dam of the Deadwood Reservoir.

The area contains a maximum dredgeable area of approximately 1000 acres. The depth of the gravel is roughly estimated as being 30 feet. The maximum yardage is estimated to be 48,400,000 Cu. Yds.

Four miles to the east of White Hawk Basin is the upper part of Bear Valley, which is an area extensively drilled and sampled by the Bureau of Mines during the past summer, and reference to this area should be made, as it is the opinion of geologists that Bear Valley has received its content or radioactive minerals from the range of pegmatites forming the divide between Bear Valley and White Hawk Basin, of which White Hawk Mountain is the most prominent peak.

Concentrates from the first sample brought to Mr. Yost by Mr. Eaton showed a considerable amount of monazite in the fraction that passed thru a 20 mesh screen, and radioactivity far beyond that caused by the monazite alone. Concentrates of plus 20 mesh and -1 inch revealed minerals of brown and black color that were very radioactive. A spectrographic analysis on the coarser fraction produced the following estimates.

Iron, silicon and tatanium in amounts of from 3% to 30%

Manganese, Columbium, Aluminum, and uranium in amounts of from .30% to 3%.

After the above encouraging results it was decided to make a trip into White Hawk Basin for an inspection of the area and to take more samples. A party was organized and the trip was made by auto then by jeep and the last two miles on foot. Two 50 pound samples of gravel was taken out.

The area contained a recent gravel in the meadows and along the streams and an older high bench gravel. In taking the samples in the meadow, water was encountered at 3½ feet. The gravel was clean and well washed, the maximum size encountered was about 5 inches. Numerous pannings of gravels in the basin showed an estimated average of from 2 to 3 pounds of monazite per Cu. Yd. Analysis of the two samples taken showed the presence of radioactive minerals in considerable amounts, altho not in amounts equal to the original sample.

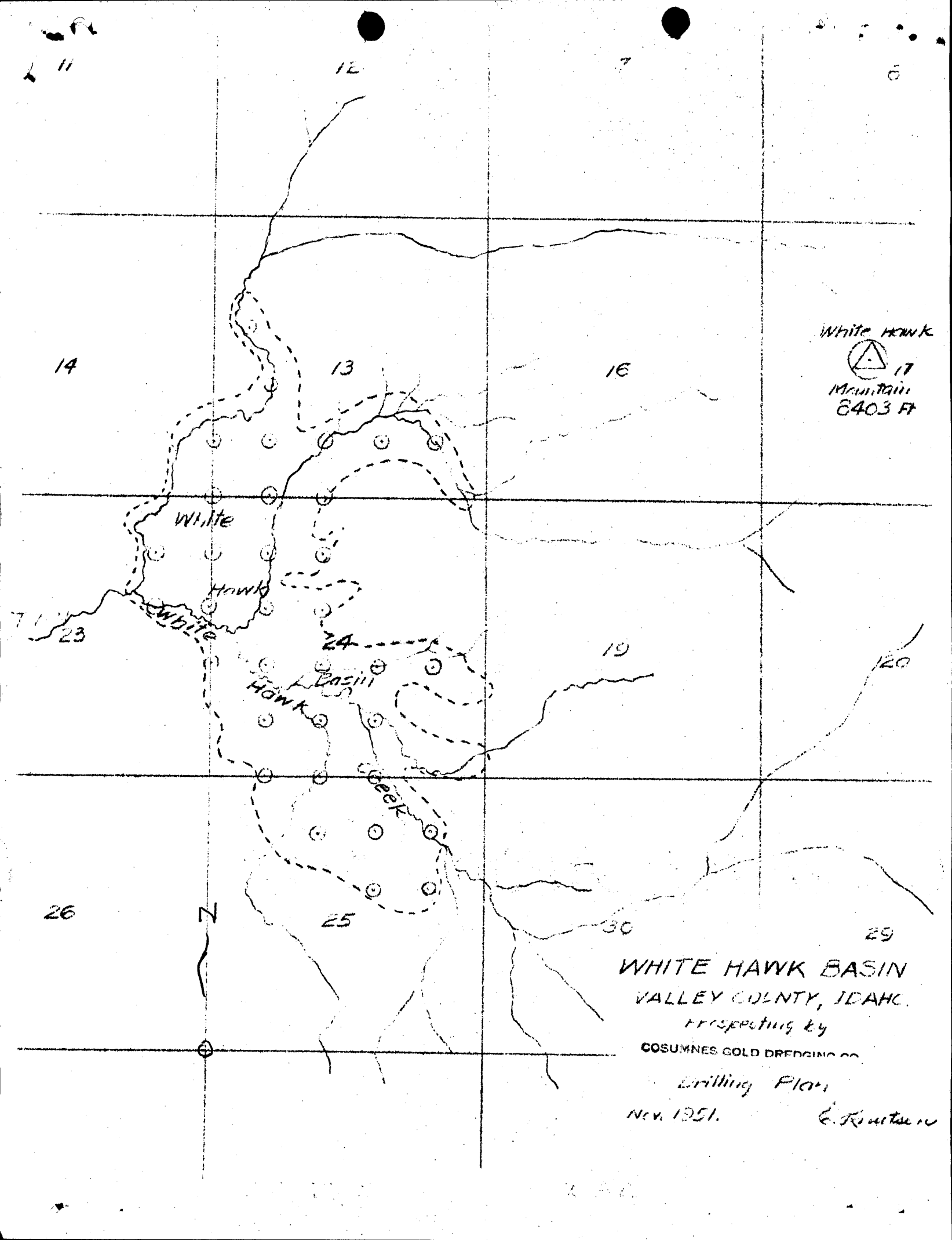
A small map has been prepared of the White Hawk Basin area compiled from data obtained from Forest Service maps, aerial photos and personal observations. Copies of this map and analysis of samples will be enclosed herewith.

The investigation of the White Hawk Basin was indicative that a considerable area of radioactive gravels suitable for dredging may be developed here, and that a further investigation should be carried on to a definite conclusion. This investigation may be carried on in conjunction with that proposed for the Paddy Flat area.

Sincerely yours,

Eivind Knutsen

Eivind Knutsen
Engineer, Cosumnes Gold Dredging Co:


11
12
7
6
14
13
16
17
White Hawk
Mountain
8403 Ft
White
Hawk
White
Hawk
Basin
Creek
23
24
19
20
26
N
25
30
29
WHITE HAWK BASIN
VALLEY COUNTY, IDAHO.
Prospecting by
COSUMNES GOLD DREDGING CO.
Drilling Plan
Nov. 1951.
E. Kirstein

QUALITATIVE SPECTROGRAPHIC ANALYSIS

ABBOT A. HANKS, Inc.

September 21, 1951

Less than .03%	.03% to .30%	.30% to 3%	3% to 30%
Copper	Magnesium	Manganese	Iron
Vanadium	Calcium	Columbium	Silicon
Chromium	Sodium	Aluminum	Titanium
	Zirconium		
		Uranium	

Sample is radioactive. Spectrum is extremely complex on this type of sample-

Elements of interest should be checked by chemical analysis. 50 gram sample

September 21 ,951

Less than .03%	.30% to .30%	.30% to 3%	3% to 30%
Copper	Uranium	Manganese	Iron
Vanadium	Magnesium	Columbium	Silicon
Chromium	Calcium	Aluminum	Titanium
	Sodium		
	Zirconium		

Sample is radioactive. Spectrum is extremely complex on this type of sample-

Elements of interest should be checked by chemical analyis. 150 gram sample.

PROPERTY DESCRIPTION: Number 2.

Certain mining claims own jointly by Raymond Carrey and George Dennison in Valley County, State of Idaho, (being in an unorganized mining district), to Wit:

(A) A certain placer mining claim group comprising 160 acres, more or less, lying and being on both sides of Beaver Dam Cree, a branch of Kennally Creek, situated in the West Half of Section 31, Townsend 17 North, Range 5, East of B.M., said Beaver Dam Creek flowing in a Northerly direction into said Kennally Creek, said mining claims being more particularly described in the Placer Mining Location Notice relating hereto, filed in the office of the County Recorder, of Valley County, Idaho, in Book 5 of Placer Mining Claims at page 535. This group of claims being called the "BEAVER DAM" Group.

(B) A certain placer mining claim group comprising 160 acres, more or less, and being in approximately the Northeast Quarter of Section 27, Township 17 North, Range 4 East of B.M. This group of claims being called the "SWAMP PLACER MINING CLAIMS". The Location Notice of this group of claims being posted at the Quarter corner between Sections 26 of said Township and Range, and the adjoining group of claims being to the East being the Mink Group of Placer Mining Claims, reference herby being made to the Placer Mining Location Notices of said Swamp Group claims recored in the office of the County Recorder of said County, in Book 5 of Placer Mining Claims at Page 536.

(C) A certain placer mining claim group comprising 160 acres, more or less, and being in approximately the Northwest Quarter of Section 26, Township 17 North, range 4 East of B.M. Said group of claims being otherwise known as the "MINK GROUP OF PLACER MINING CLAIMS", the location notice being posted at the half-mile corner between Sections 26 and 27 of said Township and Range, and this group of mining claims lying to the West of the SWAMP group and to the South of the Elk Placer Mining Claims, reference to the Placer Mining Location Notice of said Mink Group of Placer claims being referred to for further particulars to the records of the Said County Recorder's Office of said County in Book 5 of Placer Mining Claims at page 533.

(D) A certain placer mining claim group comprising 160 acres, more or less, and being on both sides of Kennally Creek in Section 30 and Section 31, Township 17 North, Range 5 East B.M. The corner Monument No. 1 upon which the Location Notice is posted is situated about 2500 feet Northeasterly from the Southwest corner of Section 30, Township 17 North, Range 5 East of B.M. This group of claims being called the "OWL GROUP OF PLACER MINING CLAIMS", further reference thereto being made to the records of the County Recorder of said County, in Book 5 of Placer Mining Claims at Page 537.

(E) A certain placer mining claim group comprising 160 acres, more of less, and being located on both sides of the North Fork of Paddy Creek in Section 21, Township 17, North, Range 4, East of B.M. This group of claims being called the "FULL MOON GROUP", and reference is herto made to the recorded Location Notice of said group of mining claims recored in said Recorder's Office in Book 5 of placer Mining Claims, at Page 531.

(F) A certain placer mining claim group comprising 160 acres, more or less, lying and being on both sides of Kennally Creek. The Corner Monument No. 1, upon which location notice is posted, being situated about 2500 feet Northeasterly from the Southwest corner of Section 30, Township 17 North, Range 5 east of B.M. The name of this group of placer mining claims being "I FOUND IT", and adjoing the Owl Group of placer mining claims on the West end line, reference hereby being made to the recorded Placer Mining Location Notice in said Recorder's Office in Book 5 of Placer mining Claims, at page 441.

(G) A certain group placer mining claims running on both sides of Camp Creek, comprising of 160 acres, more or less, known as the "HALF MOON#5", Group of Placer Mining Claims, located in Township 17 north, Range 4 East of B.M., the location corner monument No. 1 being situated about 10,000 feet in a Northerly direction from the mouth of Rapid Creek, and is more particularly described in the Recorded Location Notices of said Half Moon#5 group of mining claims recored in said County Recorder's Office in Book 5 of Placer Mining Claims, at Page 441.

(H) A certain placer mining claim comprising 40 acres, more or less, situated in the Southeast Quarter of the Northeast Quarter of Section 34, Township 17 North, Range 4, East of B.M., same being an amended location of the Half Moon #4, the location notice beingposted on a pine tree on the Northeast corner of said placer mining claim. Reference to said HALF MOON#4 Placer Mining Claims, and amended location thereof being hereby made to the records in said County Recorder's Office in Book 5 of Placer Mining Claims at Page 530.

(I) A certain placer mining claim group comprising 160 acres, more or less known as "JEEP CLAIM #1", lying and being on the North side of Paddy Flat main road, in Section 27, Township 17, North, Range 4 East of B.M. The number 1 monument, upon which location notice is posted, being situated about 6000 feet Westerly from the United States Ranger Station, and a more particular description of said group mining claim hereby being made by reference to the records on said County Recorder's Office in Book 5 of Placer mining Claims at Page 532.

(J) A certain group placer mining claim comprising about 160 acres more or less, known as otherwise being described as being the Southwest Quarter of Section 26, Township 17 North, Range 4 East of B.M., known as the "ELK GROUP" of placer Mining Claims and location monument corner no. 1 coincides with section corner common to Sections 26, 27, 34 and 35 of said Township and Range, and the adjoining claim on the West being the Ranger Group of Placer Mining Claims, reference hereby being made to the records of the Said County Recorder's Office in Book 5 of Placer Mining Claims at Page 534 for further particulars.

(K) A certain group placer mining claim known as "HALF MOON#8", located on both sides of Paddy Creek in Township 17 north, Range 4 east of B.M., more particularly described as follows:

Commencing at Corner Monument No. 1: thence in a Northerly direction 7000 feet to Corner Monument No. 2, being the Northwest corner of said claim: thence in an Easterly direction 1000 feet to Corner Monument No.3, being the Northeast corner of said claim: thence in a Southerly direction 7000 feet to corner Monument No. 4, being the Southeast corner of said claim; thence in a Westerly direction 1000 feet to Corner Monument No. 1, being the Southwest corner of said claim. The said corner Monument No. 1., is situated about 7000 feet in a Northerly direction from the Mouth of Paddy Creek.

Reference hereby being made to the recorded Location Notices of said Placer Mining Claim filed in the office of the County Recorder of Valley County, Idaho, in Book 5 of the Placer Mining Claims, at Page122.

PROPERTY DESCRIPTION Number 3

Certain timber lands in Bailey County, State of Idaho, owned by the Boise Payette Lumber Co., and in particular the following:

Sections 5, 10, 31 and the N½ of Sec. 22, totaling 2240 acres, more or less in Township 16 North, Range 4 East B.M.

Certain timber lands owned by Boise Payette Lumber Co. in Sec. 21 and 22, Township 17 North, Range 4 East B.M.

Yost Samples

Analyses of Black Sand Concentrates

Our No.	Your No.	R. A. % ThO_2 Equiv.	Calc. % Monazite	Petrographic % Monazite
SMI 110	PF NIY	.220	2.6	2-3
113	HT IY	.538	11.4	10-12
114	HT 2Y	.581	12.4	11-13
115	HT 3Y	.666	14.2	14-16
116	HT 4Y	.600	12.8	13-15
117	HT 5Y	.848	18.0	16-18
118	HT 6Y	1.33	28.3	
119	HT 7Y (1)	.832	17.7	
120	HT 7Y (2)	.427	9.1	
121	HT 8Y	.615	13.1	
122	HT 9Y	.931	19.8	
123	KF 1Y	.260		4.7
124	KF 2Y	.233	4.2	
125	KF 3Y	.130	2.4	
126	HB SEC 36	.144	(see note)	
127	PF 3Y	.071	< 1	
128	RC 4Y	.066	< 1	
129	Z 1Y	.217		2.8
130	PF 3Y	.199	2.4	

Notes: Not knowing the area from which the sample was taken, no calculation for monazite could be made. The small amount of monazite indicated did not warrant a petrographic.

PF 3Y - sample was sent to us twice with different results obtained by analyses--perhaps one was wrongly labeled by you.

< means: less than __.

Docket #2264

AMENDED PLACER LOCATION

KNOW ALL MEN BY THESE PRESENTS, That We, Wm. M. Darling, Gordon Squires, D. B. Patterson, John Eaton, Joe Slifka, Everett Johnson, B. A. Parks and C. N. Parks the undersigned citizens of the United States, over the age of twenty-one years, having complaied with all of the requirements of the laws of the United States and the State of Idaho relating to the location of mining claims, and with the local laws, customs, rules and regulations of the Mining District in which this claim is located, hereby make and file this first amended location of the White Hawk # 1, 160 acre Placer Claim, claiming by right of discovery, location, primal appropriation and possession the ground hereinafter described, together with all the metals, minerals and mineral deposits within the lines of said claim.

This claim is situated in unorganized Mining District, County of Valley, State of Idaho, and is more particularly described as follows, to-wit:

160 acres of Placer Mining Ground, situate, lying, and being in Section 24, Township 11 North, Range 7 E, B. M., in what is known as the White Hawk Basin tributary to the Deadwood River, particularly described as follows: Commencing at this monument, which is the Southwest corner of the claim, said monument being corner No. 1; thence in a Northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in an Easterly direction 5280 feet to corner monument No. 3, the northeast corner of the claim; thence in a Southerly direction 1320 feet to corner monument No. 4, the Southeast corner monument of the claim; thence in a Westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, is situated about 300 feet in a northerly direction from White Hawk Creek. This claim is to be

known as White Hawk No. 1.

The adjoining claims are White Hawk No. 2

The corner monuments Nos. 2, 3 and 4 as aforesaid are marked upon the side facing corner monument No. 1, with the name of the claim and the corner which each of said monuments represents, and all of said monuments are at least four inches in diameter and at least four feet high above ground.

THIS AMENDED LOCATION is made in conformity with the original location, made July 14, 1951, recorded July 14, 1951, in Book 5 of Placer Records, page 344, in the office of the Recorder of Valley County, Idaho; and it is made for the purpose of appropriating all ground with the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said claim, correcting any irregularities, informalities or errors, and supplying any defects which may exist in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location; and if the original location, or the certificate thereof, is void, then this location shall be an original location and this certificate an original certificate.

Dated of Original Discovery June 15, 1951.

Date of Amended Location January 26, 1952.

~~John Eaton~~
John Eaton

~~Wm. M. Darling~~
by ~~John Eaton~~ Attorney in Fact

~~Gordon Squires~~
by ~~John Eaton~~ Attorney in Fact

~~D. B. Patterson~~
by ~~John Eaton~~ Attorney in Fact

~~Joe Slifka~~
by ~~John Eaton~~ Attorney in Fact

Everett Johnson
by John Eaton Attorney in Fact

B. A. Parks
by John Eaton Attorney in Fact

C. N. Parks
by John Eaton Attorney in Fact

STATE OF IDAHO)
) ss.
County of Valley)

I, JOHN EATON do solemnly swear that I am a citizen of the United States of America (or have declared my intentions to become such) and that I am acquainted with the mining ground described in this notice of location and herewith called the White Hawk #1 placer claim; that the ground and claim therein described, or any part t ereof, has not to the best of my knowledge and belief, been located according to the laws of the United States and of this State, save as mentioned in the within notice, or if so located that the same has been abandoned or forfeited by reason of the failure of such former locators to comply in respect thereto with the requirements of said laws, and that I have opened new ground to the extent of one hundred feet, as required by the laws of the State of Idaho.

John Eaton

Subscribed and sworn to before me this 26th day of January, 1952.

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

(SEAL)

#43804

Robert H. Remaklus 9

15 A. 28 52

January

6 Placer

501

Forest E. Robb

Rose Meyer

2.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Valley County Recorder in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing AMENDED PLACER LOCATION --- White Hawk #1 with the record of such in my office, which instrument is (filed and indexed) (Recorded) in Book 6 of Placer, at page 501, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 29 day of January, 19 52

Forest E. Robb
Recorder
Valley County, Idaho

By Rose Meyer
Deputy

Docket #2264

AMENDED PLACER LOCATION

KNOW ALL MEN BY THESE PRESENTS, That We, Wm. M. Darling, Gordon Squires, D. B. Patterson, John Eaton, Joe Slifka, Everett Johnson, B. A. Parks and C. N. Parks the undersigned citizens of the United States, over the age of twenty-one years, having complaied with all of the requirements of the laws of the United States and the State of Idaho relating to the location of mining claims, and with the local laws, customs, rules and regulations of the Mining District in which this claim is located, hereby make and file this first amended location of the White Hawk # 2 , 160 acre Placer Claim, claiming by right of discovery, location, primal appropriation and possession the ground hereinafter described, together with all the metals, minerals and mineral deposits within the lines of said claim.

This claim is situated in unorganized Mining District, County of Valley, State of Idaho, and is more particularly described as follows, to-wit:

160 acres of Placer Mining Ground, situate, lying, and being in Section 24, Township 11 North, Range 7 E, B. M., in what is known as the White Hawk Basin tributary to the Deadwood River, particularly described as follows: Commencing at this monument, which is the Southwest corner of the claim, said monument being corner No. 1; thence in a Northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in an Easterly direction 5280 feet to corner monument No. 3, the northeast corner of the claim; thence in a Southerly direction 1320 feet to corner monument No. 4, the Southeast corner monument of the claim; thence in a Westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, is situated about 162 in a northerly direction from White Hawk Creek. This clai

known as White Hawk No. 2 .

The adjoining claims are White Hawk No. 1 and White Hawk No. 3.

The corner monuments Nos. 2, 3 and 4 as aforesaid are marked upon the side facing corner monument No. 1, with the name of the claim and the corner which each of said monuments represents, and all of said monuments are at least four inches in diameter and at least four feet high above ground.

THIS AMENDED LOCATION is made in conformity with the original location, made July 14, 1951, recorded July 14, 1951, in Book 5 of Placer Records, page 345 , in the office of the Recorder of Valley County, Idaho; and it is made for the purpose of appropriating all ground with the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said claim, correcting any irregularities, informalities or errors, and supplying any defects which may exist in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location; and if the original location, or the certificate thereof, is void; then this location shall be an original location and this certificate an original certificate.

Dated of Original Discovery June 15, 1951.

Date of Amended Location January 26, 1952.

John Eaton
John Eaton

Wm. M. Darling
by John Eaton
Attorney in Fact

Gordon Squires
by John Eaton
Attorney in Fact

D. B. Patterson
by John Eaton
Attorney in Fact

Joe Slifka
by John Eaton
Attorney in Fact

~~Everett Johnson~~
by ~~John Eaton~~
Attorney in Fact

~~B. A. Parks~~
by ~~John Eaton~~
Attorney in Fact

~~C. N. Parks~~
by ~~John Eaton~~
Attorney in Fact

STATE OF IDAHO)
) ss.
County of Valley)

I, JOHN EATON do solemnly swear that I am a citizen of the United States of America (or have declared my intentions to become such) and that I am acquainted with the mining ground described in this notice of location and herewith called the White Hawk # 2 placer claim; that the ground and claim therein described, or any part thereof, has not to the best of my knowledge and belief, been located according to the laws of the United States and of this State, save as mentioned in the within notice, or if so located that the same has been abandoned or forfeited by reason of the failure of such former locators to comply in respect thereto with the requirements of said laws, and that I have opened new ground to the extent of one hundred feet, as required by the laws of the State of Idaho.

John Eaton

Subscribed and sworn to before me this 26th day of January, 1952.

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

(SEAL)

#43805

Robert H. Remaklus
16 9
A. 28
January 52
6 Placer
502
Forest E. Robb
Rose Meyer
2.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Valley County Recorder in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing AMENDED PLACER LOCATION--White Hawk # 2 with the record of such in my office, which instrument is (filed and indexed) (Recorded) in Book 6 of Placer, at page 502, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 29 day of January, 19 52

Forest E. Robb
Recorder
Valley County, Idaho

By Rose Meyer
Deputy

Docket #2264

AMENDED PLACER LOCATION

KNOW ALL MEN BY THESE PRESENTS, That We, Wm. M. Darling, Gordon Squires, D. B. Patterson, John Eaton, Joe Clifks, Everett Johnson, B. A. Parks and C. N. Parks the undersigned citizens of the United States, over the age of twenty-one years, having complaied with all of the requirements of the laws of the United States and the State of Idaho relating to the location of mining claims, and with the local laws, customs, rules and regulations of the Mining District in which this claim is located, hereby make and file this first amended location of the White Hawk # 3, 160 acre Placer Claim, claiming by right of discovery, location, primal appropriation and possession the ground hereinafter described, together with all the metals, minerals and mineral deposits within the lines of said claim.

This claim is situated in unorganized Mining District, County of Valley, State of Idaho, and is more particularly described as follows, to-wit:

160 acres of Placer Mining Ground, situate, lying, and being in Section 24, Township 11 North, Range 7 E, B. M., in what is known as the White Hawk Basin tributary to the Deadwood River, particularly described as follows: Commencing at this monument, which is the Southwest corner of the claim, said monument being corner No. 1; thence in a Northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in an Easterly direction 5280 feet to corner monument No.3, the northeast corner of the claim; thence in a Southerly direction 1320 feet to corner monument No. 4, the Southeast corner monument of the claim; thence in a Westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, is situated about 2940 feet in a northerly direction from White Hawk Creek. This claim is to be

known as White Hawk No. 3.

The adjoining claims are White Hawk No. 2 and White Hawk No. 4

The corner monuments Nos. 2, 3 and 4 as aforesaid are marked upon the side facing corner monument No. 1, with the name of the claim and the corner which each of said monuments represents, and all of said monuments are at least four inches in diameter and at least four feet high above ground.

THIS AMENDED LOCATION is made in conformity with the original location, made July 14, 1951, recorded July 14, 1951, in Book 5 of Placer Records, page 346, in the office of the Recorder of Valley County, Idaho; and it is made for the purpose of appropriating all ground with the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said claim, correcting any irregularities, informalities or errors, and supplying any defects which may exist in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location; and if the original location, or the certificate thereof, is void, then this location shall be an original location and this certificate an original certificate.

Dated of Original Discovery June 15, 1951.

Date of Amended Location January 26, 1952.

John Eaton
John Eaton

Wm. M. Darling
by John Eaton
Attorney in Fact

Gordon Squires
by John Eaton
Attorney in Fact

D. B. Patterson
by John Eaton
Attorney in Fact

Joe Slifka
by John Eaton
Attorney in Fact

Everett Johnson
by John Eaton
Attorney in Fact

R. A. Parks
by John Eaton
Attorney in Fact

C. N. Parks
by John Eaton
Attorney in Fact

STATE OF IDAHO)
) ss.
County of Valley)

I, JOHN EATON do solemnly swear that I am a citizen of the United States of America (or have declared my intentions to become such) and that I am acquainted with the mining ground described in this notice of location and herewith called the White Hawk # 3 placer claim; that the ground and claim therein described, or any part thereof, has not to the best of my knowledge and belief, been located according to the laws of the United States and of this State, save as mentioned in the within notice, or if so located that the same has been abandoned or forfeited by reason of the failure of such former locators to comply in respect thereto with the requirements of said laws, and that I have opened new ground to the extent of one hundred feet, as required by the laws of the State of Idaho.

John Eaton

Subscribed and sworn to before me this 26th day of January, 1952.

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

(SEAL)

43806

Robert H. Remaklus

17 9

A. 28

January 52

6 Placer

504

Forest E. Robb

Rose Meyer

2.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Valley County Recorder in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing AMENDED PLACER LOCATION--White Hawk # 3 with the record of such in my office, which instrument is (filed and indexed) (Recorded) in Book 6 of Placer, at page 504, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 29 day of January, 19 52

Forest E. Robb

Recorder
Valley County, Idaho

By Rose D. Meyer
Deputy

Docket #264

AMENDED PLACER LOCATION

KNOW ALL MEN BY THESE PRESENTS, That we, Wm. M. Darling, Gordon Squires, D. B. Patterson, John Eaton, Joe Lifka, Everett Johnson, B. A. Parks and C. N. Parks the undersigned citizens of the United States, over the age of twenty-one years, having complaied with all of the requirements of the laws of the United States and the State of Idaho relating to the location of mining claims, and with the local laws, customs, rules and regulations of the Mining District in which this claim is located, hereby make and file this first amended location of the White Hawk # 4, 160 acre Placer Claim, claiming by right of discovery, location, primal appropriation and possession the ground hereinafter described, together with all the metals, minerals and mineral deposits within the lines of said claim.

This claim is situated in unorganized Mining District, County of Valley, State of Idaho, and is more particularly described as follows, to-wit:

160 acres of Placer Mining Ground, situate, lying, and being in Section 24, Township 11 North, Range 7 E, B. M., in what is known as the White Hawk Basin tributary to the Deadwood River, particularly described as follows: Commencing at this monument, which is the Southwest corner of the claim, said monument being corner No. 1; thence in a Northerly direction 1320 feet to corner monument No. 2, the northwest corner of the claim; thence in an Easterly direction 5280 feet to corner monument No.3, the northeast corner of the claim; thence in a Southerly direction 1320 feet to corner monument No. 4, the Southeast corner monument of the claim; thence in a Westerly direction 5280 feet to corner No. 1, the place of beginning.

The said corner monument No. 1, is situated about 4260 feet in a northerly direction from White Hawk Creek. This claim is to be

known as White Hawk No. 4.

The adjoining claims are White Hawk No. 3.

The corner monuments Nos. 2, 3 and 4 as aforesaid are marked upon the side facing corner monument No. 1, with the name of the claim and the corner which each of said monuments represents, and all of said monuments are at least four inches in diameter and at least four feet high above ground.

THIS AMENDED LOCATION is made in conformity with the original location, made July 14, 1951, recorded July 14, 1951, in Book 5 of Placer Records, page 347, in the office of the Recorder of Valley County, Idaho; and it is made for the purpose of appropriating all ground with the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said claim, correcting any irregularities, informalities or errors, and supplying any defects which may exist in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location; and if the original location, or the certificate thereof, is void, then this location shall be an original location and this certificate an original certificate.

Dated of Original Discovery June 15, 1951.

Date of Amended Location January 26, 1952.

John Eaton
John Eaton

Wm. M. Darling
by John Eaton
Attorney in Fact

Gordon Squires
by John Eaton
Attorney in Fact

D. B. Patterson
by John Eaton
Attorney in Fact

Joe Slifka
by John Eaton
Attorney in Fact

Everett Johnson
by John Eaton
Attorney in Fact

B. A. Parks
by John Eaton
Attorney in Fact

C. N. Parks
by John Eaton
Attorney in Fact

STATE OF IDAHO)
) ss.
County of Valley)

I, JOHN EATON do solemnly swear that I am a citizen of the United States of America (or have declared my intentions to become such) and that I am acquainted with the mining ground described in this notice of location and herewith called the White Hawk #4 placer claim; that the ground and claim therein described, or any part thereof, has not to the best of my knowledge and belief, been located according to the laws of the United States and of this State, save as mentioned in the within notice, or if so located that the same has been abandoned or forfeited by reason of the failure of such former locators to comply in respect thereto with the requirements of said laws, and that I have opened new ground to the extent of one hundred feet, as required by the laws of the State of Idaho.

John Eaton

Subscribed and sworn to before me this 26th day of January, 1952.

Robert H. Remsklus
Notary Public for Idaho
Residing at Cascade, Idaho

(SEAL)

#43807

Robert H. Remaklus

18 9

A. 28

January 52

6 Placer

505

Forest E. Robb

Rose Meyer

2.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Valley County Recorder in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing AMENDED PLACER LOCATION-- White Hawk # 4 with the record of such in my office, which instrument is (filed and indexed) (Recorded) in Book 6 of Placer, at page 505, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 29 day of January, 19 52

Forest E. Robb

Recorder
Valley County, Idaho

By Rose Meyer
Deputy

INSTRUMENT NUMBER 43808

POWER OF ATTORNEY

Know All Men by These Presents, That we, D. B. Patterson and Pauline Patterson, husband and wife of Cascade, Valley County, Idaho, Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, our true and lawful attorney for us and in our stead and for our use and benefit, as applies to our interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as we might or could do if personally p resent, hereby ratifying and confirming all that our

said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, We have hereunto set our hands and seals the 16th day of November, 1951.

D. B. Patterson
Pauline Patterson

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared D. B. Patterson and Pauline Patterson , husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

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

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

SEAL

STATE OF IDAHO)
) .ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 19 minutes past 9 o'clock A. M. this 28 day of January, 1952 in my office and duly recorded

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Recorder, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 320, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 19 52.

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha G. Patterson
Deputy

INSTRUMENT NUMBER 43808

POWER OF ATTORNEY

Know All Men by These Presents, That we, Joe Slifka and Margaret Slifka husband and wife of Cascade, Valley County, Idaho, Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, our true and lawful attorney for us and in our stead and for our use and benefit, as applies to our interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as we might or could do if personally p resent, hereby ratifying and confirming all that our

said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, We have hereunto set our hands and seals the 16th day of November, 1951.

Joe Slifka
Margaret Slifka

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared Joe Slifka and Margaret Slifka , husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

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

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

SEAL

STATE OF IDAHO)
) .ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 21 minutes past 9 o'clock A. M. this 28 day of January, 1952 in my office and duly recorded in Book 2 of Power of Attorney at page 322.

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

COMPARED
INDEXED—DIRECT
INDEXED—INDIRECT
DOC. STAMPS AFFIXED $

Fees, $1.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Recorder, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 322, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 19 52.

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha C. Patterson
Deputy

INSTRUMENT NUMBER 43808

POWER OF ATTORNEY

Know All Men by These Presents, That we, Gordon Squires and Doris Squires husband and wife of Cascade, Valley County, Idaho, Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, our true and lawful attorney for us and in our stead and for our use and benefit, as applies to our interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as we might or could do if personally p resent, hereby ratifying and confirming all that our

said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, We have hereunto set our hands and seals the 16th day of November, 1951.

Gordon Squires
Doris Squires

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersignod Notary P blic in and for said State, personally appeared Gordon Squires and Doris Squires , husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

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

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

SEAL

STATE OF IDAHO)
) .ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 22 minutes past 9 o'clock A. M. this 28 day of January, 1952 in my office and duly recorded in Book 2 of Power of Attorney at page 328.

COMPARED ✓
INDEXED—DIRECT ✓
INDEXED—INDIRECT ✓
DOC. STAMPS AFFIXED $

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

Fees, $1.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Recorder, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such Instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 328, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 19 52

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha C. Patterson
Deputy

INSTRUMENT NUMBER 43809

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That we, C. N. Parks and Elsie Parks, husband and wife, of Caldwell, Canyon County, Idaho, have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, our true and lawful attorney for us and in our stead and for our use and benefit, as applies to our interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, we have hereunto set our hands and seals the 5th day of January, 1952.

C. N. Parks
C. N. Parks

Elsie Parks
Elsie Parks

STATE OF IDAHO)
) ss.
County of Canyon)

On this 5th day of January, 1952, before me, the undersigned Notary Public in and for said state, personally C. N. Parks, and Elsie Parks, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

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

Peter J. Boyd
Notary Public for Idaho
Residing at Caldwell, Idaho

SEAL

STATE OF IDAHO)
) ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 20 minutes past 9 o'clock A.M. this 28 day of January, 1952 in my office and duly recorded in Book 2 of Power of Attorney at page 321.

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

Fees, $1.00

COMPARED ✓
INDEXED—DIRECT ✓
INDEXED—INDIRECT ✓
DOC. STAMPS AFFIXED $

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Ro bb, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 321, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 7 day of June, 19 52

Forest E. Robb
Recorder
Valley County, Idaho

By Bertha C. Patterson
Deputy

INSTRUMENT NUMBER 43812

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That I, Everett Johnson an unmarried man of Deadwood, Valley County, Idaho Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, my true and lawful attorney for me and in my stead and for my use and benefit, as applies to my interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed descriptinn of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the

16th day of November, 1951.

Everett Johnson
Everett Johnson

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared Everett Johnson, an unmarried man known to me to be the persons whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

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

SEAL

James M. Stephens
Notary Public for Idaho
Residing at Cobalt, Idaho

STATE OF IDAHO,)
) ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 23 minutes past 9 o'clock A.M. this 28 day of January, 1952 in my office and duly recorded in Book 2 of Power of Attorney at page 324.

COMPARED
INDEXED—DIRECT
INDEXED—INDIRECT
DOC. STAMPS AFFIXED $

Fees, $1.00

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E.Robb, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 324, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 19 52.

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha G. Patterson
Deputy

INSTRUMENT NUMBER 43813

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That I, Wm. M. Darling, An unmarried man of McCall, Valley County, Idaho, Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, my true and lawful attorney for me and in my stead and for my use and benefit, as applies to my interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the

16th day of November, 1951.

Wm. M. Darling
Wm. M. Darling

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared Wm. M. Darling, an unmarried man, known to me to be the persons whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

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

SEAL

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

STATE OF IDAHO,)
) ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 24 minutes past 9 o'clock A.M. this 28 day of January, 1952, in my office and duly recorded in Book 2 of Power of Attorney at page 325.

COMPARED
INDEXED—DIRECT
INDEXED—INDIRECT
DOC. STAMPS AFFIXED $

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

Fees, $1.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Recorder, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 325, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 19 52

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha C. Sattuson
Deputy

INSTRUMENT NUMBER 43814

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That I, B. A. Parks an unmarried man of Deadwood, Valley County, Idaho, Have made, constituted and appointed, and by these presents do make, constitute and appoint JOHN EATON of Cascade, Valley County, Idaho, my true and lawful attorney for me and in my stead and for my use and benefit, as applies to my interest in those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more particularly described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page in said Book 5 of said Placer Mining Records where the original certificate of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344
White Hawk #2	345
White Hawk #3	346
White Hawk #4	347

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

Giving and granting unto JOHN EATON, said attorney, full power and authority to bargain and agree for, buy, sell, lease, let, demise and do and perform all and every act and thing whatsoever requisite and necessary to be done in and about the premises as fully and to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the 16th day of November, 1951.

B. A. Parks
B. A. Parks

STATE OF IDAHO)
) ss.
County of Valley)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared B. A. Parks, an unmarried man, known to me to be the persons whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

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

SEAL

Robert H. Remaklus
Notary Public for Idaho
Residing at Cascade, Idaho

STATE OF IDAHO,)
) ss.
County of Valley)

I hereby certify that this instrument was filed for record at the request of Robert H. Remaklus at 25 minutes past 9 o'clock A. M. this 28 day of January, 1952 in my office and duly recorded in Book 2 of Power of Attorney at page 326.

COMPARED
INDEXED—DIRECT
INDEXED—INDIRECT
DOC. STAMPS AFFIXED $

Forest E. Robb
Ex-Officio Recorder

By Rose Meyer
Deputy

Fees, $1.00

STATE OF IDAHO,) SS.
County of Valley.)

I, Forest E. Robb, Recorder, in and for Valley County, Idaho, DO HERBEY CERTIFY AND DECLARE that I have compared the foregoing Power of Attorney with the record of such Instrument in my office, which instrument is (filed and indexed) (Recorded) in Book 2 of Power of Attorney, at page 326, and that the foregoing is a true and correct copy of such record.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 3 day of June, 1952.

Forest E. Robb
Recorder
Valley County, Idaho
By Bertha C. Patterson
Deputy

M I N I N G L E A S E

THIS MINING LEASE, Made and entered into this 17th day of November, 1951, by and between JOHN EATON and GERTRUDE M. EATON, husband and wife, GORDON SQUIRES and DORIS K. SQUIRES, husband and wife, D. B. PATTERSON and PAULINE PATTERSON, husband and wife, and JOE SLIFKA and MARGARET SLIFKA, husband and wife, all of Cascade, Valley County, Idaho, and Wm. M. Darling, an unmarried man, of McCall, Valley County, Idaho, and Everett Johnson, an unmarried man, B. A. Parks, an unmarried man, and C. N. Parks, an unmarried man, all of Deadwood, Valley County, Idaho, hereinafter referred to and designated as "LESSORS", and GUY M. STANDIFER of San Francisco, San Francisco County, California, and MERILL YOST of Sacramento, Sacramento County, California, hereinafter referred to and designated as "LESSEES",

NOV 30 10 55 AM '51
ADMINISTRATOR
WASHINGTON, D.C.

W I T N E S S E T H:

FOR AND IN CONSIDERATION of the premises and the covenants and agreements of the respective parties hereto herein set forth, it is mutually covenanted and agreed by and between the parties hereto as follows:

SECTION 1. DEFINITIONS

(a) "Lessors" -- The word "Lessors" as used throughout this Lease means all of the parties hereinabove referred to and designated as Lessors, and their respective heirs, personal representatives and assigns.

(b) "Lessees" -- The word "Lessees" as used throughout this Lease means the parties hereinabove designated and referred to as Lessees, and their respective heirs, personal representatives and assigns.

(c) "Leased Premises"-- By "Leased Premises" as used herein, is meant those certain placer mining claims located in White Hawk Basin, Valley County, Idaho, and more fully described in the certificates of location thereof recorded in the office of the County Recorder of Valley County, Idaho, in Book 5 of Placer Mining Records, and at the pages hereinafter designated. The figures opposite the name of a claim designate the page or pages in said Book 5 of said Placer Mining Records where the original certificates of location of said claim is recorded.

The names of the claims and the pages at which said location certificates are recorded in said Book 5 of said Placer Mining Records are as follows:

White Hawk #1	344	Book-5
White Hawk #2	345	"
White Hawk #3	346	"
White Hawk #4	347	"

The descriptions contained in said records are hereby by this reference incorporated herein, and said records are hereby referred to for a more detailed description of said claims.

(d) "Products"-- By "Products" as used herein is meant, but not limited to, any and all gold, minerals, values, ores, sands, rare earth, uranium, monazite, thorium, zircon, ilmenite, magnetite, columbite, zirconium, titanium, and any and all other materials of every kind and nature removed from, on, in or under said leased premises.

(e) "Guaranteed Yearly Royalty"-- By the term "Guaranteed Yearly Royalty", as used herein, is meant the guaranteed yearly payment to be made by the Lessees to the Lessors.

(f) "Mining Royalty"-- By the term "Mining Royalty", as used herein, is meant any sums paid or to be paid by the Lessees to the Lessors from actual operations upon the leased premises as provided herein.

(g) "Sales Returns" -- By the term "Sales Returns", as used herein, and upon which the "mining royalty" is to be paid, is meant the gross amount of money, in whatever form received, including any and all bonuses, premiums, and rewards, directly or indrectly received from the sale by Lessees of any products removed by the Lessees from the leased premises, on any part thereof; Lessees at their own expense to transport the same to such processing plant or plants as may be necessary to put the same in final condition for marketing by Lessees. Neither any part of the cost or expense of mining, dredging, collecting, saving, separating, sizing, jigging, nor otherwise removing the products and values from said leased premises, nor any part of the cost or expense of transporting to any mill, reduction works, smelter, beneficiating plant or works, or processing plant, shall be deducted before the ten per cent (10%) royalty herein provided for is computed; PROVIDED, HOWEVER, that as to such products as are transported to a secondary processing plant, mill, reduction works, smelter, or other beneficiating plant or works in which the Lessees do not own or have any interest, the actual cost to the Lessees for said secondary processing or treating shall be deducted before royalties are computed; PROVIDED, FURTHER, that after the same shall have been placed in such final condition for marketing by Lessees the cost of transportation and insurance, if paid by Lessees, shall be deducted before said royalty of ten per cent (10%) shall be computed; if such transportation and insurance costs are paid by the purchaser said costs shall not be deducted before royalties are computed. As to any products sold to a United States Mint, or any branch or agency thereof, the said ten per cent (10%) royalty shall be computed and paid upon the net returns thereof; and, likewise, as to any products sold to a smelter, or

other purchaser, in which the Lessees do not have any financial interest, the said ten per cent (10%) royalty shall be computed and paid upon the net returns thereof.

SECTION 2. RIGHTS GRANTED TO LESSEE

The Lessors, for and in consideration of the rentals and royalties to be paid, and the covenants and agreements to be observed, kept and performed by the Lessees, for the term hereinafter stated, and upon the terms and conditions hereinafter set forth, do hereby lease, demise, and let unto the Lessees the said leased premises.

SECTION 3. EFFECTIVE DATE OF LEASE--TERM

This Mining Lease shall take effect on the date hereinabove first written and shall continue in full force and effect for a period of twenty (20) years thereafter, unless sooner terminated under the provisions hereof.

SECTION 4. RIGHTS TO PROSPECT AND TEST

Lessees from the date hereof and until October 1, 1952, shall have the right and privilege to enter upon said leased premises and test the same for placer gold and other minerals, ores, values, metals and rare earths, by drilling holes, sinking shafts, or otherwise, upon said lands during a period extending to October 1, 1952; PROVIDED, HOWEVER, Lessees agree to commence such testing and prospecting on or before the 15th day of July, 1952.

When said testing and prospecting is completed all drill holes, shafts, and excavations shall be refilled and left in a safe condition.

SECTION 5. RIGHT TO MINE AND DREDGE

On or before October 1, 1952, Lessees shall give Lessors written notice of their election to proceed or not to proceed further hereunder; if Lessees elect to proceed hereunder they shall pay to the Lessors as minimum guaranteed yearly royalty

beginning October 1, 1952, the sum of FIVE THOUSAND ($5,000.00) DOLLARS, the same to be paid on or before the 1st day of October of each and every year hereafter during the term of this lease, and also pay the "mining royalty" herein provided for so long as they shall continue hereunder.

Upon the payment of said minimum yearly royalty the Lessees shall have the right to commence to mine and dredge said leased premises and to continue to mine and dredge the same during the term hereof so long as they pay the royalties herein provided for; PROVIDED, HOWEVER, that the Lessees shall commence actual mining operations on the leased premises on or before the 1st day of October, 1952.

In the event that the Lessees at any time elect not to proceed further hereunder they shall execute any and all releases necessary to clear Lessors' title of any defect or cloud created by this mining lease.

SECTION 6. CREDIT FOR ADVANCE ROYALTY

Each payment of guaranteed yearly royalty shall constitute an advance payment on mining royalty to be paid by the Lessees to the Lessors under the provisions hereof, and it is agreed that whenever any products are sold the Lessees shall credit ten per cent (10%) of "sales returns", as defined herein, against such advance or guaranteed yearly royalty which has been paid by the Lessees; and it is further agreed that the Lessees shall reimburse themselves and deduct from accrued mining royalty all such amounts of advance royalty which shall have theretofore been paid hereunder.

Whenever during any year the royalty obligations of the Lessees are greater than the advance or guaranteed royalty for such year as provided for herein, then the Lessees shall pay the balance over to the INTER-MOUNTAIN STATE BANK at Cascade, Idaho, for the Lessors.

Whenever for any year the royalty obligations of the Lessees are less than the advance or guaranteed royalty obligations hereunder, then the Lessees shall have no obligation to make any royalty payment for such year other than the advance or "guaranteed yearly royalty" provided for herein.

SECTION 7. MINING ROYALTY

As "Mining Royalty" (referred to herein as such), the Lessees do hereby agree to pay to the Lessors a sum of money equivalent to ten per cent (10%) of the sales returns, as defined herein, received from any and all products recovered by the Lessees through mining or other operations upon the leased premises and sold and disposed of by the Lessees.

The mining royalty, as defined herein, payable to the Lessors hereunder shall become due and payable on the 20th day of each and every month, and such mining royalty shall be computed on the sale returns, as defined herein, from all products recovered through the mining or other operations of the Lessees on the leased premises for which payment has been received by the Lessees from the sale thereof during the calendar month preceding the month in which such mining royalty payments shall become due. At the time of making each such mining royalty payment, the Lessees shall transmit to the Lessors a true and correct statement of the amount, kind and nature of products recovered by the mining operations of the Lessees upon the leased premises for which mining royalty is then being paid, and with each such mining royalty payment, there shall be transmitted to the Lessors a duplicate mint or smelter return or duplicate statement from any other purchaser or purchasers to whom such mining products shall have been sold.

The aforesaid monthly reports shall be furnished each and every month regardless of whether any mining royalty is to be actually paid.

SECTION 8. PAYMENT OF ROYALTIES

All royalties paid hereunder shall be paid to Lessors by depositing the same to their credit in the INTER-MOUNTAIN STATE BANK at Cascade, Idaho.

SECTION 9. LESSEES HEREBY AGREE AS FOLLOWS:

(a) PAYMENT OF TAXES AND ASSESSMENTS. The Lessees agree to pay all property taxes levied and assessed upon the machinery, equipment, buildings, and other property placed upon the leased premises by the Lessees, and further agree to pay the Mines License Tax of the State of Idaho and any other licenses, severance or use taxes which may be levied, either by the United States of America or the State of Idaho, or other govermental agency, upon the products produced from the leased premises during the operations of the Lessees.

The Lessees further agree to carry Workmen's Compensation Insurance upon its employees as required by the statutes of the State of Idaho, and to pay all Unemployment Compensation and Social Security Taxes, and all other taxes, license fees and charges, required by Federal or State of Idaho statutes or regulations to be paid by the Lessees as employers; PROVIDED, HOWEVER, Lessees shall not be required to pay any State or Federal income taxes levied against the Lessors, or either of them.

In the event the validity of any tax herein required to be paid by the Lessees shall be tested by litigation in Court, the failure of the Lessees to pay any such tax at the time the same shall become due and prior to the determination of the validity of the tax in such litigation, shall not constitute a violation of the terms of this Mining Lease.

(b) RECORDS, INSPECTIONS AND DATA. The Lessors, their agents or representatives, shall have access at all reasonable times to

the workings of the Lessees on said premises and shall, upon demand, be furnished with copies of assay and test reports, and Lessors shall have the right to have a representative or representatives present at all times during the prospecting, drilling, testing, and working of said property.

The Lessees agree to keep accurate records of all minerals and mining products which shall be mined and removed by them from the leased premises, to which records, including processing records, and all original papers, documents, and supporting data, the Lessors, and their agents or representatives, shall have access at all reasonable times for the purpose of determining that the Lessees have complied with the terms and provisions of this Mining Lease, and that Lessors are receiving all the payments to which they are entitled hereunder.

Lessees shall furnish to the Lessors the results of their sampling, testing, and drilling upon said property.

Lessees shall prepare such charts and maps as may be required to show in detail the course and expected progress of mining operations on the leased premises for a period of at least three months in advance of such operations, and shall furnish to the Lessors duplicate copies thereof as the same are from time to time made up and prepared by the Lessees.

(c) PAYMENT FOR LABOR AND MATERIALS. Lessees shall be solely responsible for payment of all labor, materials, equipment, and supplies contracted by them or furnished at their instance and request in connection with the conduct of their operations upon the leased premises; and the Lessees agree to indemnify and hold the Lessors harmless from and against any and all claims of creditors for such labor, material, equipment, or supplies furnished the Lessees.

(d) The Lessees agree to conduct their mining operations upon the leased premises in conformity with the laws and regulations

of the United States and of the State of Idaho now in force or as they may be from time to time amended, and to comply with the statutes of the State of Idaho respecting recording and posting of notices.

(e) INDEMNITY. The Lessees further agree to indemnify and hold the Lessors harmless against all loss, damage, liability, liens, claims, expenses, costs, causes of action, suits at law or in equity, attorneys' fees, and any and all liability therefor sustained or incurred by the Lessors by reason of or on account of any claim, action, suit, or proceedings against the Lessors in any way growing out of or connected with the operations of the Lessees under this Lease.

(f) CONDUCT OF MINING OPERATIONS. All operations conducted by Lessees upon the leased premises shall be conducted in a good and miner-like manner.

It is understood and agreed that the Lessees shall have the right to conduct electric power over and across the leased premises for its use in mining operations on said premises and to set power poles therefor. It is also understood and agreed that Lessees shall have the right of ingress to and egress from said leased premises.

It is also understood and agreed that Lessors shall have possession of such part of said leased premises as are not being used by Lessees in their testing and mining operations.

It is also understood and agreed that the management and conduct of mining operations on said leased premises shall be at the sole discretion of the Lessees.

SECTION 10. ANNUAL LABOR

The Lessees shall perform any and all assessment work and annual labor required by law to be performed upon each of the

mining claims included in the leased premises in order to hold said mining claims for the year beginning July 1, 1952, and for each and every year thereafter during the term of this lease, and complete the performance thereof and file the affidavits showing the performance thereof at least one month before the expiration of the period allowed by law for the performance of said annual labor and assessment work.

SECTION 11.

(a) CONDEMNATION. It is agreed that if the whole or any part of the above described lands are taken by condemnation proceedings in any manner whatsoever, that the division of any award between the respective parties herein shall be determined by a Board of Arbitration, the Lessors to appoint one Arbitrator, the Lessees to appoint another, and the two so selected to appoint a third Arbitrator; said arbitration proceedings to be conducted in the manner prescribed by the laws of the State of Idaho.

(b) BANKRUPTCY. It is agreed that the filing of a petition in bankruptcy by the Lessees, or the adjudication that the Lessors are bankrupt, or an assignment for the benefit of creditors, or the levy of an execution against the interest of the Lessees in said leased premises herein described to enforce or realize upon any judgment against the Lessees, or either of them, not stayed within ten (10) days by an appeal bond shall permit the Lessors to cancel this lease and the Lessees shall forfeit all their rights to the possession of the leased premises, and that neither this lease nor any of Lessees' rights hereunder shall ever be an asset of the estate of the Lessees, or either of them, in the event that either or both of them, are bankrupt or file a petition in bankruptcy under the bankruptcy laws of the United States, or makes an assignment for the benefit of creditors.

(c) TIME OF ESSENCE. It is agreed that time is of the essence

of this Lease. In the event that the Lessees shall fail, refuse, or neglect to make any payment of money as required herein, or shall fail, refuse, or neglect to perform any other covenant hereof incumbent upon the Lessees to be kept and performed, then and in that event, the Lessors shall have the option to declare this Lease forfeited, which option shall be exercised in the manner following:

The Lessors shall give written notice to the Lessees specifying the particulars wherein the Lessees are in default. Should the matter in default as specified in such notice not be corrected, or shown not to exist, within a period of thirty (30) days from the date of mailing such notice, then the Lessors shall have the right at their option to declare this lease terminated and all the interest of the Lessees in this lease and the demised premises terminated and forfeited, and said option to so terminate and forfeit shall be exercised by the Lessors giving written notice to Lessees, and in the event notice of their election to terminate and forfeit is given by Lessors, the said termination and forfeiture shall be complete ten (10) days after the mailing of the same, and all the rights of Lessees hereunder shall be deemed terminated and forfeited.

In the event of and upon forfeiture or termination of this lease, the Lessors shall be entitled to retain all sums of money theretofore paid to them under the terms hereof, and shall be entitled to collect and receive all sums of money which were payable to them under the terms of this lease as of the date of such forfeiture or termination. Further, in the event of forfeiture or termination of this lease, the Lessors shall be entitled to resume possession of the leased premises and the Lessees agree to quit and surrender up the possession thereof immediately to the

Lessors, subject to the privilege herein provided to remove therefrom all buildings, structures, mining plants, machinery, equipment, and supplies from said real property.

(d) SURRENDER OF PROPERTY. Lessees shall have the right at any time before October 1, 1952, to cancel this lease, and thereafter, shall upon thirty (30) days' written notice to the Lessors have the right at any time to cancel this lease, and upon the termination of this agreement for any cause the Lessees shall immediately surrender unto the Lessors all of the premises herein demised without delay or hindrance, and the Lessors shall have the right, immediately upon the expiration or termination howsoever of this agreement, to enter upon the premises aforesaid and to take immediate possession thereof.

In case of the abandonment of this lease by the Lessees, or in case of its cancellation or termination for any cause, Lessees will at once pay to Lessors any and all royalties due them hereunder. In case this lease is forfeited or terminated in any manner and Lessees shall make the payments in this subsection (d) provided for, they shall not be obligated to pay any guaranteed royalty thereafter.

(e) REMOVAL OF EQUIPMENT. As long as the Lessees are not in default in any of the payments herein provided to be made by the Lessees, they shall have the right during the term hereof and for a period of twenty four (24) months from the termination hereof, to remove from the leased premises all machinery, tools, dredges, buildings, pipe lines, power lines, and other equipment placed thereon by them, and unless so removed within said period of time the same shall become immediately the property of the Lessors.

(f) NOTICES. All notices given or required to be given under the terms of this agreement by Lessees to Lessors shall be in writing, sent by United States registered mail, postage prepaid, to

John Eaton, Cascade, Idaho, one of the Lessors herein.

Any notices given by Lessors to Lessee shall be in writing and shall likewise be sent by United States registered mail, addressed to Merrill Yost, Cascade, Idaho, one of the Lessees herein.

All such notices shall be deemed to be given on the date when they are deposited in any United States post office.

(g) SUBORDINATION AGREEMENT. It is specifically understood and agreed that the Lessees intend to apply for an exploration and development loan from the United States under Title 32-A, National Defense Appendix, Chapter XII, M. O. 5, or any amendments thereto, for the purpose of exploration and development of said leased premises. It is further agreed by the said Lessors that for the purpose of enabling said Lessees to negotiate such loan or loans, the Lessors shall execute any subordination agreement or agreements that may be required by the United States in order to effect such loan.

(h) ASSIGNMENT. This agreement shall be binding upon and inure to the benefit of the Parties hereto, their successors, administrators, executors, heirs, and assigns.

IN WITNESS WHEREOF, The Parties hereto have hereunto set their hands and seals the day and year first above written.

John Eaton
Gertrude M. Eaton
By John Eaton
Attorney in Fact

Doris K. Eaton
By John Eaton
Attorney in Fact

D. B. Patterson
By John Eaton
Attorney in Fact

Pauline Patterson
By John Eaton
Attorney in Fact

Joe Slupka
By John Eaton
Attorney in Fact

Margaret Slupka
By John Eaton
Attorney in Fact

Wm. M. Darling
By John Eaton
Attorney in Fact

Everett Johnson
By John Eaton
Attorney in Fact

B. H. Parks
By John Eaton
Attorney in Fact

C. N. Parks
By John Eaton
Attorney in Fact

LESSORS

Guy M. Stanfiefer

Merrill Yost

LESSEES

STATE OF IDAHO)
) ss.
County of Valley)

On this 17th day of November, 1951, before me, the undersigned, a Notary Public in and for said State, personally appeared JOHN EATON and GERTRUDE M. EATON, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

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

Robert H Renaldus
Notary Public for Idaho
Residing at Cascade, Idaho
My Commission expires 9-16-53

STATE OF IDAHO)
) ss.
County of Valley)

On this 17th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared JOHN EATON, known to me to be the person whose name is subscribed to the within instrument as the attorney in fact of Wm. M. Darling, an un married man, Gordon Squires and Doris K. Squires, husband and wife, D. B. Patterson and Pauline Patterson, husband and wife, Joe Slifka and Margaret Slifka, husband and wife, Everett Johnson, an unmarried man, B. A. Parks, an unmarried man and C. N. Parks, an unmarried man, and acknowledged to me that he subscribed the names of Wm. M. Darling, an unmarried man, Gordon Squires and Doris K. Squires, husband and wife, D. B. Patterson and Pauline Patterson, husband and wife, Joe Slifka and Margaret Slifka, husband and wife, Everett Johnson, an unmarried man, B. A. Parks, an unmarried man, and C. N. Parks, an

unmarried man, thereto as principals, and his own name as attorney in fact.

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

Robert N Remakler
Notary Public for Idaho
Residing at Cascade, Idaho
My Commission expires 9-16-53

STATE OF IDAHO)
) ss.
County of Valley)

On this 17th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared MERRILL YOST, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

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

Robert N Remakler
Notary Public for Idaho
Residing at Cascade, Idaho
My Commission expires 9-16-53

STATE OF NEW YORK)
) ss.
County of New York)

On this 16th day of November, 1951, before me, the undersigned Notary Public in and for said State, personally appeared GUY M. STANDIFER, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

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

Victoria C. Ludlum
Notary Public for New York
Residing at New York City, New York
My Commission expires

VICTORIA C. LUDLUM, Notary Public
In the State of New York
New York Co. Clk's No. 6 Reg. No. 317 617700 in N. Y. Co.
Commission Expires March 30, 1952

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner ~~in fee simple~~ of ~~that~~ certain ~~parcel of ground~~ mining claims in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated ~~November 16, 1951~~ November 17, 1951, between G. M. Standifer and Merill Yost, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated November 17, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 17th day of November, 1951

John Earon

John Earon

Attorney in Fact of Lessors

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
Nov 30 10 55 AM '51

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Not to be used

TABLE 3

Docket No. DMEA 2264
Contract Idm-E350

DETAILED DESCRIPTION OF HEAVY MINERAL CONTENTS OF DRILL HOLE SAMPLES

By John F. Kolars

Drill Hole WHB-AY

1. 60% garnet; 28% il; 10% qtz waste; 2% Cb (?)
2. Trace garnet; 100% mgt.
3. 2% garnet; 98% il.
4. 55% garnet; 45% il.
5. 40% xenotine; 5% garnet; 5% leucoxene; 10% il (approx.); 38% Cb (?); 2% radio-blacks.
6. 75% monazite; 2% epidote; 1% hematite after mgt; 18% radio-blacks; few mafic blacks; 2% il.(?); 1% columbite (?).
7. 20% sphene; 40% monazite; 30% apatite and/or waste qtz; few malacon; 1% spinel; 3% zircon; 2% anatase; 5% assorted dark waste; very few radio-blacks.
8. 25% qtz; 75% feldspars.

Drill Hole WHB-2

1. 40% qtz; 3% sphene; 35% garnet; 22% il.
2. Few garnet; 1 sphene; 100% mgt.
3. 8% garnet; 1% hem. after mgt; 91% il.
4. 65% garnet; 35% il.
5. 35% xenotine; 55% Cb (?); 10% il; very few garnet.
6. 68% monazite; 1% epidote; 20% radio-blacks; 4% Cb (?); 7% mafic blacks.
7. 2% zircon; few radio-blacks; 5% leucoxene; 10% micas & waste; 10% qtz waste and/or apatite; 25% monazite; 45% sphene; few anatase and spinel; few malacon.
8. 35% qtz; 65% feldspars.

Drill Hole WHB-4

1. 30% garnet; 35% qtz; 10% Cb (?); 25% il.
2. 100% mgt.
3. 8% garnet; 2% hematite after magnetite; 90% il; very few epidote.
4. 40% ilmenite; 60% garnet; few grains hematite after mgt.
5. 25% xenotine; 5% mz; very few garnet; 2% pseudomorphs after pyrite; qtz waste, epidote; few hematite after mgt; 8% ilmenite; 60% columbite (?).
6. 70% monazite; 20% radio-blacks; 2% epidote; 5% columbite (?); 3% mafic blacks.
7. 55% monazite; 15% sphene; 20% apatite; 3% zircon; 5% micas & waste; few malacon; few anatase; 1% spinel; 1 grain radio-blacks.
8. 75% feldspars; 25% qtz.

Drill Hole WHB-6

1. 45% garnet; 20% qtz waste; 33% ilmenite; 2% columbite (?).
2. 100% mgt.
3. 10% garnet; few hematite after mgt; 90% ilmenite.
4. 60% garnet; 40% ilmenite.
5. 30% xenotine; 15% garnet; 45% columbite (?); 10% ilmenite.
6. 1% epidote; 65% monazite; few hematite after mgt; 5% columbite (?); 20% radio-blacks; 10% mafic blacks.
7. 5% zircon; 3% malacon; 35% monazite; 1/2% spinel; 15% qtz waste and/or apatite; 10% dark waste; 30% sphene; few radio-blacks; trace columbite (?).
8. 40% qtz; 60% feldspars.

Drill Hole WHB-10

1. 65% garnet; 8% micas and qtz waste; 27% ilmenite.
2. 5% garnet; 95% mgt.
3. 10% garnet; 5% hematite after mgt; 85% ilmenite.
4. 82% garnet; 18% ilmenite.
5. 35% xenatine; 5% garnet; few mafic blacks; 60% columbite (?).
6. 80% monazite; 2% epidote; 11% radio-blacks; 7% mafic blacks and dark waste; trace columbite (?).
7. 25% monazite; 3% zircon; 15% sphene; 10% dark waste; very few columbite (?); 46% apatite and/or qtz waste; few spinel; 1% anatase; very few malacon; few mica; trace radio blacks.
8. 65% - 70% feldspars; 35% - 30% qtz.

Drill Hole WHB-11

1. 5% pseudomorphs after pyrite; 40% garnet; 50% ilmenite; 5% qtz; few micas.
2. Few garnet; 100% mgt.
3. 5% garnet; 5% hematite after mgt; trace monazite (xenotine ?); 90% ilmenite.
4. 75% garnet; 25% ilmenite.
5. 45% garnet; 18% xenotine; 2% hematite after mgt & pseudomorphs after pyrite; 5% ilmenite (some leucoxene after ilmenite)
6. 70% monazite; 2% epidote; 1/2% pseudomorphs after pyrite; 2% ilmenite & leucoxene after ilmenite; trace garnet; 20% radio-blacks; 5% dark waste (mafic blacks); few (?) columbite.
7. 35% monazite; 25% sphene; 3% zircon, 25% qtz waste and/or apatite (some micas); trace spinel; 2% anatase; few malacon; 10% dark waste (trace il (?)); trace radio-blacks.
8. 20% qtz; 80% feldspars.

Drill Hole WHB-12

1. 5% sphene; 1 or 2 grains radio-blacks; 45% garnet; 45% ilmenite; few columbite (?).
2. 100% mgt.
3. 5% garnet; 95% ilmenite; few hematite after mgt.
4. 65% garnet; 35% ilmenite.
5. 65% garnet; 8% xenotine; 17% il/10% columbite (?) (this ratio approx.);
6. 80% monazite; 2% epidote; 13% radio-blacks; 5% mafic blacks; few to very few leucoxene; trace columbite (?).
7. 2% cinnabar (?); 4% zircon; 35% monazite; 25% sphene; 25% qtz and/or apatite; 9% dark waste (includes a few anatase, spinel, leucoxene; 1 grain Au; 1 grain radio-blacks; 1% malacon.
8. 55% feldspars; 45% qtz.

Drill Hole WHB-13

1. 45% garnet; 30% qtz; few columbite (?); few mafic blacks; 25% ilmenite.
2. 100% mgt.
3. 8% garnet; trace hematite after mgt; 92% ilmenite.
4. 80% garnet; 20% ilmenite.
5. 5% garnet; 40% xenotine; 40% columbite (?); 10% ilmenite; 5% mafic blacks.
6. 1/2% epidote; 78% monazite; 4% radio-blacks; 14% mafic blacks; 1/2% columbite (?); 2% qtz.
7. 35% monazite; 1% zircon; few sillimanite; 10% sphene; 15% dark waste (undoubtedly many mafic blacks including allanite); 40% apatite and/or qtz/waste.
8. 50% qtz / 50% feldspars.

Drill Hole WHB-14

1. 15% qtz; 40% garnet; 1 grain columbite (?); 10% mafic blacks; 35% ilmenite.
2. Few garnet; 1 grain monazite; 100% mgt.
3. 8% garnet; 1% hematite after mgt; 91% ilmenite.
4. 60% garnet; 40% ilmenite.
5. 7% xenotine; 53% garnet; 25% ilmenite; 10% columbite (?).
6. 2% epidote; 1% leucoxene; 80% monazite; few columbite (?); 10% radio-blacks; 7% mafic blacks.
7. 35% monazite; 20% sphene; 5% leucoxene; 1% zircon; 15% pale waste; (some malacon); very few spinel; 2% anatase; 15% mafic blacks and assorted dark waste; 5% qtz and/or apatite; few radio-blacks.
8. 40% qtz / 60% feldspars.

Drill Hole WHB-16

1. 50% garnet; 20% qtz; 1 grain sphene; 30% ilmenite.
2. Very few xenotine; 100% mgt.
3. 6% garnet; 1 grain monazite; few hematite after mgt; 94% ilmenite.
4. 80% garnet; 20% ilmenite.
5. 30% xenotine; 4% garnet; 30% columbite (?); 15% mafic blacks; 21% ilmenite.
6. 80% monazite; 1% epidote; few columbite (?); 12% radio-blacks; 7% mafic blacks.
7. 40% monazite; 10% sphene; 0.0 + zircon; 35% qtz and/or apatite; few malacon; few spinel; very few anatase; 15% dark waste and/or mafic blacks.
8. 80% feldspars / 20% qtz.

TABLE 2

Cosumnes Gold Dredging Co.
Valley County, Idaho

SUMMARY OF ESTIMATES OF CONTENTS OF BLACK SAND CONCENTRATES AND GRAVEL
WHITE HAWK BASIN PLACER DEPOSIT, IDAHO
OCTOBER 1952

Docket No. DMEA 2264
Contract Idm-E350

Sample No.	Estimated Contents of Black Sands Concentrates 1/ 3/						Hole Depth Feet	Estimated Pounds per Cubic Yard of Original Gravel 2/						Estimated Lbs. Black Sands Conc. per cu.yd.
	% Magnetite	% Ilmenite	% Garnet	% Monazite	% Radioactive Blacks	% Other, Cb ?		Magnetite	Ilmenite	Garnet	Monazite	Radioactive Blacks	Other, Cb ?	
WHB-AY	1.6	26.9	26.7	4.50	0.81	0.63	19	—	3	3	0.45	0.08	0.06	10
WHB-2	2.2	14.9	19.8	2.62	0.58	0.50	13	—	5	6	0.81	0.18	0.16	31
WHB-4	13.2	16.9	15.8	3.92	0.83	1.49	9	3	3	3	0.86	0.19	0.33	23
WHB-6	2.2	32.4	39.4	6.60	1.51	2.23	13	—	4	6	0.93	0.21	0.31	14
WHB-10	2.3	17.0	44.4	6.13	0.67	0.89	15	—	2	6	0.86	0.09	0.12	14
WHB-11	25.8	17.8	31.6	5.08	1.10	1.10	13	6	5	8	1.17	0.25	0.25	23
WHB-12	14.2	25.9	33.6	6.10	0.83	0.50	13	2	4	6	1.04	0.14	0.08	17
WHB-13	1.7	13.1	33.0	7.10	0.18	0.80	10	—	1	4	0.78	0.02	0.09	11
WHB-14	0.7	24.8	32.7	6.20	0.62	0.69	15	—	2	2	0.43	0.04	0.05	7
WHB-16	0.2	10.3	25.4	4.20	0.39	0.39	9	—	2	4	0.76	0.07	0.07	18
						Weighted Average	12.8	—	—	—	0.78	0.13	0.15	16

1/ Estimates based on mineral separation determinations and grain counts by John F. Kolars, University of Washington.

2/ Calculations based on estimated contents of black sand concentrates 1/ and estimated pounds of black sands per cubic yard of gravel determined in pilot washing plant.

3/ Balance of black sand concentrates consists of quartz, feldspar, and other miscellaneous light minerals.

Example of Minerals Separation Determinations

Drill Hole No. WHB-AY

Total weight of sample	10.0 gms.
Weight of light minerals	3.74 gms.
Weight of heavy minerals	6.26 gms.
% weight of heavy minerals	62.6

Fraction	Wgt. gms.	Estimated content of heavy minerals						
		Magnetite	Ilmenite	Garnet	Monazite	Zircon	Radioactive blacks	Other, Cb ?
1. + 20 mesh	0.64	—	0.19	0.38	—	—	—	0.01 Cb(?)
2. magnetite	0.15	0.15	—	T	—	—	—	—
3. Franz, 0.275 amps.	0.64	—	0.63	0.01	—	—	—	—
4. " 0.4 "	4.10	—	1.84	2.26	—	—	—	—
5. " 0.5 "	0.14	—	Leux 0.02	0.01	0.06	Xeno	0.0 +	0.05 (?)Cb
6. " 0.8 "	0.44	0.0 +	0.01	—	0.33	—	0.08	0.0+ Cb(?)
7. Ht, (heavy)	0.15	—	—	—	0.06	—	T	—
8. Bt, (light tails)	3.74	—	—	—	—	—	—	—
Total minerals in samples, gms.		0.15	2.69	2.66	0.45	0.0 +	0.08	0.06 Cb(?)
% minerals in heavy minerals		2.4	43.0	42.7	7.2	0.0 +	1.3	1.0 Cb(?)

TABLE 2

Cosumnes Gold Dredging Co.
Valley County, Idaho

SUMMARY OF ESTIMATES OF CONTENTS OF BLACK SAND CONCENTRATES AND GRAVEL
WHITE HAWK BASIN PLACER DEPOSIT, IDAHO
OCTOBER 1952

Docket No. DMEA 2264
Contract Idm-E350

Sample No.	Estimated Contents of Black Sands Concentrates 1/ 3/						Hole Depth Feet	Estimated Pounds per Cubic Yard of Original Gravel 2/						Estimated Lbs. Black Sands Conc. per cu.yd.
	% Magnetite	% Ilmenite	% Garnet	% Monazite	% Radioactive Blacks	% Other, Cb ?		Magnetite	Ilmenite	Garnet	Monazite	Radioactive Blacks	Other, Cb ?	
WHB-AY	1.6	26.9	26.7	4.50	0.81	0.63	19	—	3	3	0.45	0.08	0.06	10
WHB-2	2.2	14.9	19.8	2.62	0.58	0.50	13	—	5	6	0.81	0.18	0.16	31
WHB-4	13.2	16.9	15.8	3.92	0.83	1.49	9	3	3	3	0.86	0.19	0.33	23
WHB-6	2.2	32.4	39.4	6.60	1.51	2.23	13	—	4	6	0.93	0.21	0.31	14
WHB-10	2.3	17.0	44.4	6.13	0.67	0.89	15	—	2	6	0.86	0.09	0.12	14
WHB-11	25.8	17.8	31.6	5.08	1.10	1.10	13	6	5	8	1.17	0.25	0.25	23
WHB-12	14.2	25.9	33.6	6.10	0.83	0.50	13	2	4	6	1.04	0.14	0.08	17
WHB-13	1.7	13.1	33.0	7.10	0.18	0.80	10	—	1	4	0.78	0.02	0.09	11
WHB-14	0.7	24.8	32.7	6.20	0.62	0.69	15	—	2	2	0.43	0.04	0.05	7
WHB-16	0.2	10.3	25.4	4.20	0.39	0.39	9	—	2	4	0.76	0.07	0.07	18
						Weighted Average	12.8	—	—	—	0.78	0.13	0.15	16

1/ Estimates based on mineral separation determinations and grain counts by John F. Kolars, University of Washington.

2/ Calculations based on estimated contents of black sand concentrates 1/ and estimated pounds of black sands per cubic yard of gravel determined in pilot washing plant.

3/ Balance of black sand concentrates consists of quartz, feldspar, and other miscellaneous light minerals.

Example of Minerals Separation Determinations

Drill Hole No. WHB-AY

Total weight of sample	10.0 gms.
Weight of light minerals	3.74 gms.
Weight of heavy minerals	6.26 gms.
% weight of heavy minerals	62.6

Fraction	Wgt. gms.	Estimated content of heavy minerals						
		Magnetite	Ilmenite	Garnet	Monazite	Zircon	Radioactive blacks	Other, Cb ?
1. + 20 mesh	0.64	—	0.19	0.38	—	—	—	0.01 Cb(?)
2. magnetite	0.15	0.15	—	T	—	—	—	—
3. Franz, 0.275 amps.	0.64	—	0.63	0.01	—	—	—	—
4. " 0.4 "	4.10	—	1.84	2.26	—	—	—	—
5. " 0.5 "	0.14	—	Leux 0.02	0.01	0.06	Xenó	0.0 +	0.05 (?)Cb
6. " 0.8 "	0.44	0.0 +	0.01	—	0.33	—	0.08	0.0+ Cb(?)
7. Ht, (heavy)	0.15	—	—	—	0.06	—	T	—
8. Bt, (light tails)	3.74	—	—	—	—	—	—	—
Total minerals in samples, gms.		0.15	2.69	2.66	0.45	0.0 +	0.08	0.06 Cb(?)
% minerals in heavy minerals		2.4	43.0	42.7	7.2	0.0 +	1.3	1.0 Cb(?)

Carey, Kennan & McElhaw
Lease 12/25/51
84

Property to be indicated on map, labeled, and drainage indicated and labeled.

? should be north of Elk?

Not indicated at all - on map. ? (c) Mink - Error (s of elk)

(d) Owl group

?? (e) Full moon which is the N. Fork?

(f) Found it

(g) Half Moon No. 5 Twp & Range only no section

(h) [illegible] but no [illegible] indicated.

(i) [illegible] which 160 Acres

(J) Elk - OK.

(K) Half moon #8 where?

DMEA-2265

Assigned to
Kuaua 1-24-52

12/28/51
84

Loomis Lease

Property adequately plotted

Except the Loomis, White & Diggs claims which are not plotted and not adequately described Book & Page no. not given

No agreement with White and Diggs on the ~~above~~ claims listed as Big Pocket
Little " No. 1
Side " No. 2
Side "

DMEA 2265 12/12/51

Conf. with Mitchell Klein
says Area is good for
prospecting.
Carlson is returning
from Idaho now.
Klein will have
Carlson tell us
about this
S.F.

12/21/51
Carlson: not over 15 million cy.
dredgeable.
Too shallow for 12 c.f. dredge
Expl. in 2 phases
1st 10 holes
(contractable at 5.50/ft)
3x drilling for handling & assaying samples

Mr. Shibler called with regard to a magnetic separator. He said that you are on the right track. You will need a type IR - Number "0" induced magnetic separator. The cost is approximately $3,000. Agent in Hyattsville - Call AP 1500.

Wet separators aren't powerful enough.

12/13/51
11:48 A.M.
Bn

Tel. 12/12/51
Mr. Talone
will call

DINGS MAGNETIC SEPARATOR CO.

EDWARD R. TALONE
WASHINGTON OFFICE
2213 R. I. AVE., N. E.

APPLETON
1500

12/13/57
SF

DMEA 2265 Monazite
Cosumnes Gold Dredging Co.

MF 103

7. a. Rental

	Applic.	Recommend
One 3 c.y. Dump truck	$2400.00	—o—

b. Purchase

Jig	450.00	450.00
Screen	400.00	400.00
Wilfley table	600.00	600.00
40'-20" casing	2600.00	2600.00
Lab. Dings IR Mag. sep.	3000.00	2300.00
Plane table	550.00	—o—
Eng. Level	430.00	—o—
Drafting machine	100.00	—o—
One 3 cy Dump truck	—o—	3400.00
	10530.00	7750.00

c. Depreciation - 5 mos.

Per Mo			Val.	Deprec.	Per Mo
	Truck w. placer drill	$2000:	12000	1000	200
400.	Truck w. diamond drill	2000:	12000	1000	200
400	Pick up truck	625:	1800	150	30
125	D4 Cat. w. dozer	1500:	9000	750	150
300		$6125:		$2900	
1225					
	Total	$19,055:		$10650	

Form A [illegible] 1/21/52
SF

DMEA 2265

Consumers [illegible] Dredging Co.
465 California St
San Francisco, Calif.

Valley Co., Ida.
Paddy Flat dist.

Opinion of a staff engineer

Eivind Knutsen - Colo Sch Mines 1931 - Good engineer
Reliable, Honest, Experienced
Merill Yost - ~~Optimistic~~ - ~~very~~ unreliable
G.M. Standifer - Promoter - overly optimistic & unreliable

If program is approved ~~approved~~, it should be placed in the hands of Eivind Knutsen. All sampling and reports should be under his supervision and approved by him.

1/21/52

Carlson, 1/7/52, has cogent reasons for his "10 hole" project. His memo is attached.

SF

19,๐๖๖.๐๐
29,976.๒๕
9,875.๐๐
58,906.๒๕

Jones

5000

10 holes - 300'

20'

15'/day

Dry & screen by hand & weigh & discard coarse

Table fines analysis

(17)

core ½ lb.

5' fr sections or fractions

"

0.75 &

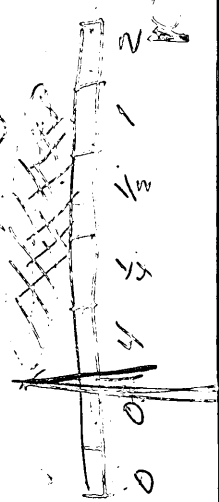
0.35

7½ 0.15

0.60 &

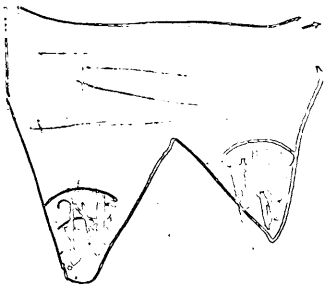
-3.40

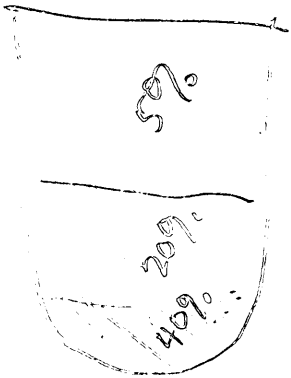
-5.60

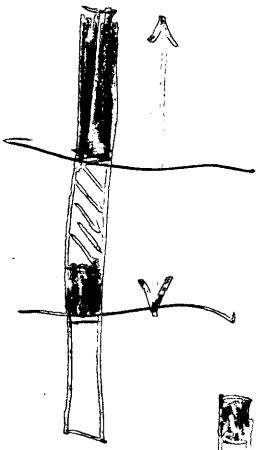


Pounds of C

0.32
0.57
1.34
.78
2.61
.02
.05
.27







T 17N · R.4.E B B+M

13, 14, 15, 21, 22, 23, 24,
25, 26, 27, 28, 33, 34, 35, 36

T 16N R4E

2, 3, 10, 15, 22

T 17N R5E

29, 30, 31, 32

T 16N R5E

6

1/14/52

Jones 3216

Checked
for withdrawals.
None noted
SF.

3-21-52

DMEA. 2264-

Consolidated Gold Dredging Co

Mr. G. Mitteldiker - Tel - San Mateo

Diamond-98921 - S.F. Prospect 5-1233

Telephoned Mr. Stanlifer re - Dictating to phoneway holes are the 4 which he will do in Placer claims following 18 holes of which the Gov. Field Team approved according results and obtained. Mr. Stanlifer promised to submit the additional info. including indicated cor. depth of drill holes, estimated footage, sample analysis work, and engineers salary & supervise projects.

He will also send copies of field arrangements to the Consolidated Gold Dredging Co from beginning and an opt.

J.J.K.

DMEA-2264

DMEA-2264 Maps recd. with final F.T. Report

TABLE 1

Cosumnes Gold Dredging Co.
Valley County, Idaho

SUMMARY OF CLAMSHELL DRILLING AND PILOT WASHING PLANT DATA
WHITE HAWK BASIN PLACER DEPOSIT, IDAHO

Docket No. DMEA 2264
Contract Idm-E350

Data taken from Company's drill and pilot washing plant logs

Hole No.	1952 Date hole Started	Ended	Depth of hole Feet	Displaced Vol. of hole Cu.Yds.	Weight percent of gravel sizes - 10 M	+ 5/8"	Sludge	Estimated moisture %	Estimated lbs. conc. per cu.yd. of dry gravel
WHB-AY ?	10/3	10/3	18 BR	1.8	—	—	—	?	9.9
WHB-2Y *	10/4	?	13 BR	1.27	56	44	—	?	31.2
WHB-4Y *	10/4	10/4	9 BR	0.88	49	51	—	?	22.5
WHB-6Y *	10/2	10/2	13 BR	1.27	50	49	1	15	14.4
WHB-10Y*	10/3	?	15 BR	1.46	46	54	0	14	14.7
WHB-11Y*	10/2	10/2	13 BR	1.27	?	?	?	17	22.2
WHB-12Y*	10/2	10/2	13 BR	1.27	49	51	0	?	17.0
WHB-13Y*	10/5	10/5	10 BR	0.98	49	51	0	?	11.2
WHB-14Y*	10/5	10/5	15 BR	1.46	49	51	0	?	7.1
WHB-16Y*	10/5	10/5	9 BR	0.88	35	65	0	?	18.0

Note: * 1/4 hole sample shipped to pilot washing plant.
BR Hole bottomed at bedrock. Clamshell hole diameter 22".

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 30 1954

Hole

COSUMNES GOLD DREDGING CO.

Coordinates

FIELD LOG

Page WHB A-Y of

DEPTH FEET	DEPTH IN	Pt LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	Ib LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Top soil	
2								" "	
3								" "	
4								Clay	
5								"	
6								"	
7								Sandy Clay	
8								Gravel (Small)	WATER
9								" "	
10								" (Medium)	
11								Coarse Gravel Tight	
12								" " "	
13								" " "	
14								" " "	
15								" " "	
16								" " "	
17								" " "	
18								" " "	
								Bk. Dk.	

Date Commenced 1/3/52 Date Finished 1/3/52

Tract Burbank Paulung Panner: Day Night

Date 1/3/52 Shift Line No. Drill Runner: Day Patton Night

Hole No. WHB-A-Y Drill No.

Total Depth Bedrock 19 Water Level 9 FT.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of

WH 2 Y

DEPTH FEET	DEPTH IN	Mz LBS YD³	AU LBS YD³	FeO_2 LBS YD³	IL LBS YD³	Gr LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1						1		Top Soil	
2		1/2			5	1		" "	
3		1/2			3	1		" "	
4		1/2			3	2		Clay Grey	
5		1			4	3		" "	
6		1			7	7		" "	
7		3			8	10		Gravel + Gravel	Water
8		1			12	15		" " "	
9		3			15	15		" " "	
10		3			25	10		" " "	
11		2			28	5		" " "	
12		1			10	4		" " "	
13		1			5	4		Bk DG	
								Heavy Blacks?	
								m Gold	

Date Commenced 10/4/53

Date Finished

Tract Parks & Dalton

Panner: Day Night

Drill Runner: Day Potter Night

Date 10/4/53 Shift Line No.

Hole No. WHB-2-Y Drill No.

Total Depth 13 Bedrock 13 Water Level 7

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coördinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

WHD-4-Y

Page ..... of .....

DEPTH FEET	DEPTH IN	MZ LBS YD³	Au LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
								Top Soil	
								" "	
								" "	
								Medium Gravel	
3								Coarse " "	Tight
4								" " "	"
5								" " "	"
6								" " "	"
7								" " "	"
8								" " "	"
9								Brk Dig	

Date Commenced 10/4/53 Date Finished 10.4.53

Tract Parks + Darling Panner: Day ..... Night .....

Drill Runner: Day Putty Night .....

Date ..... Shift ..... Line No. .....

Hole No. WHB-4-Y Drill No. .....

Total Depth ..... Bedrock 9 FT Water Level .....

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

Elev.

Coordinates

FIELD LOG WHB 6-Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Top Soil	
2								" "	
3								Coarse Sand	
4		3			20		5	Gravel	
5		1			10		3	" Blue	
6		1			8		2	" "	Water
7		3			20		5	" " (10" Dia)	Quartz Gravel
8		2			20		5	" "	Coarse Blacks
9		2			10		3	" "	"
10		1			25		5	" "	"
11		2			30		8	" "	"
12		1			35		10	" "	"
13		1/2			10		2	Brk. D.G.	

Decomposed Granite Brk
Heavy Blocks in back 4 FT
[illegible]

Date Commenced Oct 2, 52 Date Finished Oct 2 52

Tract Rulis + Darling Panner: Day Night

Drill Runner: Day Night

Date 11/2/52 Shift Line No. Hole No. 6 Drill No.

Total Depth Bedrock Water Level 6 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

Page 1 of

WHB-10-4

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Top Soil	
2		1/2						" "	
3		1/2			3	1		Coarse Sand Sms.	
4		1/2			2	1/2		Sandy Clay	
5		1			10	4		Coarse Red Sand	Water
6		2			15	7		" "	
7		2			10	4		" "	
8		3			20	8		Gravel Clean	
9		3			15	5		" "	
10		2			20	5		"	(8" Dia) Tight
11		2			20	5		"	(Heavy Bedrock?)
12		2			20	5		"	" "
13		1			20	5		"	" "
14		1			15	3		"	" "
15		1/2			10	2		"	Brk "
								D.G. Brk.	
								Less voice Gravel	
								More Monazite	
								Less Heavy Blacks	
								[illegible] Yost	

Date Commenced

Date Finished

Tract Parks & Darling

Panner: Day

Night

Drill Runner: Day

Night

Date 10/3/52 Shift

Line No.

Hole No. WHB-10-4

Drill No.

Total Depth

Bedrock

Water Level 5T-T

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

COSUMNES GOLD DREDGING CO.

FIELD LOG W HB-11-Y

Page 1 of No 11

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Top Soil	
2								" "	
3								Gravel clean	
4								" "	
5		3			2	4		Coarse (12" Diar.)	Water
6		3			2	4		" "	"
7		1			5	8		" "	Clean
8		2			5	6		" "	"
9		2			25	10		" "	Quartz, Gray, Rg. Boul
10		2			30	8		Boulders (20" Dia)	(Tight Gravel)
11		1			15	5		Change Fine Gravel	3" Dia)
12		1			10	2			
13					5	1			(Coarse Blacks)
14					—	—		Brk Granite Soft	1 Ft.
								Coarse Blacks Last 5 Ft.	
								Coarse clean Gravel.	
								M York	

Date Commenced Oct 2 '52 Date Finished Oct 2 52

Tract Perks + Darling Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date Oct 2 Shift ..... Line No. ..... Hole No. 11 Drill No. .....

Total Depth 14 Bedrock 14 Water Level 5 Ft.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

WHB

Elev.

COSUMNES GOLD DREDGING CO.

Page 1 of 12Y

Coordinates

FIELD LOG WHB-12-Y

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Top Soil	
2								" "	
3		1			5	4		Coarse Sand	
4		1			9	5		" "	
5		3			10	4		Gravel	(Clean Gravel)
6		2			8	5		"	(Firm)
7		2			8	8		"	
8		3			5	10		"	
9		2			10	6		Sand + Clay	
10		2			15	5		Coarse Tight G	(12" Dia)
11		3			30	8		" " "	
12		1			30	10		" " "	Coarse Blocks (UCb
13		2			40	8		Coarse Blacks? Brk.	Tg?)
								Coarse Blacks	
								10 Gravel Tight	
								Brk D.6" Firm	
								M. Yoef	

Date Commenced Oct 2 '52 Date Finished Oct 2, 52

Tract Parks + Darling Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date 10/2/52 Shift ..... Line No. ..... Hole No. ..... Drill No. .....

Total Depth 13 Bedrock ..... Water Level 4FT.

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

WHB-13Y

Page 1 of

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_3O_4 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Surface Sod	
2								" "	
3								" "	
4		1			5	3		Sand	
5		2			10	5		Gravel	
6		1			8	3		"	
7		1			8			Coarse 16" Dia.	
8		1			10			" "	
9		1			10			" "	
10		1			10			" "	
								Brk D.G.	
								Heavy Blacks?	
								Light Concentrates	
								M Goet	

Date Commenced 10/5/52

Date Finished 10/5/52

Tract Parks & Darling

Panner: Day ..... Night .....

Drill Runner: Day Patton Night .....

Date ..... Shift ..... Line No. .....

Hole No. WHB-13-4 Drill No. .....

Total Depth 10 FT Bedrock 10 FT

Water Level 6 FT

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

WHB-14-Y

Page 1 of

FIELD LOG

DEPTH FEET.	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Surface sod	
2								" "	
3		1/4			1	1/2		Coarse Sand	
4		Tr			1/2	1/2		Blue Clay, Sand	
5		Tr			—	—		" " Wood	Water
6		Tr			1	1/2		" " "	
7		Tr			1	1/2		" " "	
8		1/2			1	1/2		Small Quartz Gravel	
9		1/2			1/2	1/2		" " "	
10		1/2			1/2	1/2		" " "	
11		—			—	—		Sod (old surface of Creek	
12		1/2			1/2	1/2		" " "	
13		1/2			1/2	1/2		Gravel 6" Dia.	
14		1			2	1		" "	
15		1			3	1		Brk D.G.	
								Very Little Concentrates	
								M Goff	

Date Commenced 10/5/52

Date Finished 10/5/52

Tract Parks + Darling

Panner: Day ..... Night .....

Drill Runner: Day ..... Night .....

Date ..... Shift ..... Line No. .....

Hole No. ..... Drill No. .....

Total Depth ..... Bedrock .....

Water Level 5FT

ABBREVIATIONS

T. TAILINGS	S. SAND	ST. STICKY
F. FINE	G. GRAVEL	MD. MEDIUM
C. COARSE	CL. CLAY	M. MUCH
V. VERY	SM. SOME	L. LOOSE

Elev.

Coordinates

COSUMNES GOLD DREDGING CO.

FIELD LOG

WHB-16-Y

Page 1 of

DEPTH FEET	DEPTH IN	MZ LBS YD³	AU LBS YD³	Fe_2O_3 LBS YD³	IL LBS YD³	GR LBS YD³	ZrO_2 LBS YD³	FORMATION	REMARKS
1								Surface Sod	
2								" "	
3		1			10	3		Gray Gravel	
4		1			8	2		" "	
5		1			15	5		" " (6" Dia)	Firm
6		1			10	3		" "	
7		1			10	3		" "	
8		1			10	3		" "	
9		1½						Brk Rock	
								Poor Concentrate of	
								M. Foot	

Date Commenced 10/5/52

Date Finished 10/5/52

Tract Parks + Darling

Panner: Day ____ Night ____

Drill Runner: Day Patton Night ____

Date 10.5.52 Shift ____ Line No. ____

Hole No. ____ Drill No. ____

Total Depth ____ Bedrock ____

Water Level None

ABBREVIATIONS

T. TAILINGS
F. FINE
C. COARSE
V. VERY

S. SAND
G. GRAVEL
CL. CLAY
SM. SOME

ST. STICKY
MD. MEDIUM
M. MUCH
L. LOOSE

TABLE 7

Cosumnes Gold Dredging Company
Valley County, Idaho

SUMMARY OF BENEFICIATION TESTS ON COMPOSITE SAMPLE OF WHITE HAWK BASIN PLACER BLACK SAND CONCENTRATES

Docket No. DMEA 2264
Contract No. Idm-E350

Product	Weight %	ANALYSES, PERCENT % Wgt.	Cb	Ta	U_3O_8	REO	ThO_2	$(Zr/Hf)O_2$	$\left(\frac{Hf}{Zr/Hf}\right)100$	PERCENT RECOVERY Cb	Ta	U_3O_8	REO	ThO_2	$(Zr/Hf)O_2$	EST. LBS. RECOVERED PER CU.YD. ORIGINAL GRAVEL 2/ Cb	Ta	REO	U_3O_8	$(Zr/Hf)O_2$	ThO_2
*Slime	2.413				0.18	0.26												nil	nil		
Magnetic 1/	8.095																				
*Ilmenite-Garnet	31.871		0.60	2.9	0.28											nil	nil		nil		
*Quartz-Zircon	27.339	100.00													100.00				nil	0.21	
Table Conc.		1.50													14.04						
Table Tailing		98.50													85.96						
*Monazite Magnetics	10.971	100.00				0.194	0.01	4.77	2.9				100.00	100.00							
Table Conc.		0.27				34.8	1.8	44.6	2.9				48.51	46.48				nil			nil
Table Tailing		99.73				0.10	<0.02	4.16					51.49	53.52				nil			nil
Monazite Non-Magnetics	8.675	100.00			0.32	30.21						100.00	100.00								
Table Conc.		60.32			0.42	45.7						78.97	91.25					0.35	nil		
*Table Tailing		39.68			0.17	6.66						21.03	8.75					nil	nil		
*Cb Magnetics	7.988	100.00	1.62	1.0	0.102					100.00	100.00	100.00									
Table Conc.		0.99	3.2	0.56	0.30					1.96	0.56	2.92				nil	nil		nil		
Table Tailing		99.01	1.6	1.0	0.10					98.04	99.44	97.08				nil	nil		nil		
Cb Non-magnetics	2.648	100.00	41.9	4.1	3.90					100.00	100.00	100.00				0.1775	0.0174		0.02		
Table Conc.		46.57	51.0	4.9	4.65					56.66	56.67	55.57									
Table Tailing		53.43	34.0	3.4	3.24					43.34	43.33	44.43									
	100.00																				

NOTE:

0.1775 lbs. Cb equivalent to 0.25384 lbs. Cb_2O_5/cu. yd. of original gravel
0.0174 lbs. Ta " " 0.02123 lbs. Ta_2O_5/cu. yd. of original gravel
0.27507 lbs. $(Cb,Ta)_2O_5$/cu. yd. of original gravel

Composite sample was separated into slime, magnetic, ilmenite-garnet, quartz-zircon, monazite magnetics, monazite non-magnetics, columbium magnetics, and columbium non-magnetics products at the Boise laboratory of Porter Bros. Corporation. See "Porter Test Procedure" in Appendix for details.

Table concentration tests made at Bureau of Mines, Albany, Oregon.

*Minor metal minerals content and grade of product considered too low to include as recoverable minerals.

1/ Assayed 60.6% Fe, 0.82% P, 1.98% TiO_2
2/ Based on 16 pounds of black sand concentrate per cubic yard of original gravel

COLUMBIA GOLD DREDGING CO
Cascade, Idaho

District WHB Hole No. WHB 44 Property Parks & Dow

Date Start _____ Date Finish _____

HOLE DATA

Hole Size 22 In.

Depth of Hole 18 Ft.

Displaced Volume of Hole 118 Cu. Yds.

SAMPLE DATA

Total weight of sample 660 Lbs. _____ %

Weight of minus 10 mesh _____ Lbs. _____ %

Weight of plus 5/8 mesh _____ Lbs _____ %

Weight of Sludge _____ Lbs _____ %

ESTIMATE OF CONCENTRATES

Good _____ Fair ✓ Poor _____

Total weight of Concentrates 4.5 Lbs.

Lbs. of concentrates per Cu. Yd 9.90 Lbs. Cu. Yd.

REMARKS:

COSMOS GOLD DREDGING CO.
CASCADE, IDAHO

District White Hawk Basin Hole NO. WHB-24 Property Robert Darling

Date Start 14/11/52 Date Finish 18/11/52

HOLE DATA

Hole Size 22 In.

Depth of Hole 13 In.

Displaced Volume of Hole 427 Cu. Ft.

Size of sample 1/4 of Hole - 32 cu yd

WEIGHT DATA

Total weight of sample 990 Lbs. 100 %

Weight of minus 10 mesh 560 Lbs. 56 %

Weight of plus 5/6 mesh 430 Lbs. 44 %

Weight of Sludge 0 Lbs. 0 %

ESTIMATE OF CONCENTRATES

Good _____ Fair _____ Poor _____

Total weight of Concentrates 10 Lbs.

Lbs. of concentrates per Cu. Yd. 312 Lbs. Cu. Yd.

REMARKS.

White Hawk Basin WHB-47 Parks & Dx

10/4/52 10/4/52

44

9 %

.88

1/4 of Sample .22 cu. yd.

640 100

300 49

340 51

0 0

5

22.5

COUNTY POOR MINING CO.

DM 5.1. Caldwell, Idaho

In Inlet: White Hawk Basin No. WHB-6-4 Property: Parks & Dorr

Date Start: 10/2/52 Date Fin: 10/4/52

DRILLING

Hole size: 22 In.

Depth of Hole: 13 ft In.

Displaced Vol. of Hole: 1.27 Cu. Yds.

Size of Sample: 1/4 Of Hole: .32 Cu. Yds.

WEIGHT DATA

Total weight of sample	1510	Lbs.	100	%
Weight of minus 10 mesh	750	Lbs.	50	%
Weight of Plus 5/8 mesh	745	Lbs.	49	%
Weight of Slime	15	Lbs.	1	%

Moisture content: 15 %

Dry Weight of sample: 1283 Lbs. Weight per Cu. Yd.: Lbs.

Estimate of Concentrates

Good: Fair: Poor:

Total weight of concentrate: 4 1/2 Lbs.

Lbs. of concentrate per Cu. Yd.: 144 Lbs. Cu.

REMARKS.

[illegible]

Wallace, Idaho

District White Hawk Basin Hole No. WHB-10-4 Property Parker & Dal

Date Start 10/4/52 Date Finish 10/4/52

HOLE DATA

Hole Size ---------- 22 In.

Depth of Hole ---------- 15 Ft.

Measured Volume of Hole 1.46 Cu. Yds.

Size of Sample 1/4 Of Hole ---------- .37 Cu. Yds.

[illegible]

Total weight of Sample ---------- 1630 Lbs. 100 %

Weight of minus 5/8 mesh ---------- 765 Lbs. 46 %

Weight of plus 5/8 mesh ---------- 865 Lbs. 54 %

Weight of Slime ---------- 0 Lbs. 0

Moisture content 14 %

Dry weight of sample 1402 Lbs. Weight per Cu. Ft. ---------- Lbs.

Estimate of concentrates

Gold ---------- Silver ---------- Zinc ----------

Total weight of concentrates ---------- 5 Lbs.

Wgt. of concentrates per Cu. Yd ---------- 147 Lbs. Sp.

REMARKS.

DMEA.

[illegible]

[illegible], [illegible]

Located White Horse Beam Hole No. WHB 11-4 Property Parks/Parker

Date Spud 10/2/52 Date Finish 10/4/52

Hole Data

Hole Size 22 In.

Depth of Hole 13 ft.

Maximum Fissure of Hole 1.27 Cu. Yd.

Area of Angle 32 Sq. Ft.

Blast Data

Total weight of Charge 2010 Lbs. 100 %

Weight of Blast Material 782 Lbs. %

Volume of Blast Pit used 11.28 Lbs. %

Weight of Fill 100 Lbs. 5 %

Moisture content 17 %

Dry Weight of Sample [illegible] Lbs. Weight per Cu. Yd. [illegible] Lbs.

Weights of Concentrates

Coal [illegible] Air [illegible] Dust [illegible]

Total weight of Concentrates [illegible] 7½ %

Wt. of Concentrates per Cu. Yd. 23.2 Lbs. [illegible] Lbs. %

Remarks

Calculate Volume % of Hole due to Butlers mistake in weighing 3 samples together

DREDGE.

COSMOPOLITAN GOLD DREDGING CO.
CASCADE, IDAHO

District Whitehawk Bar Hole No. WHB-12-4 Property P & D

Date Start _____ Date Finish _____

Hole Data

Hole Size 20 In.

Depth of Hole 13 In.

Displaced Volume of Hole 1.27 Cu. Yds.

Size of Sample 1/4 hole Of Hole .32 Cu. Yds.

WEIGHT DATA

Total weight of sample 1630 Lbs. 100 %

Weight of minus 10 mesh 800 Lbs. 49 %

Weight of plus 5/8 mesh 830 Lbs. 51 %

Weight of Sludge 0 Lbs. 0 %

Moisture content _____ %

ESTIMATE OF CONCENTRATES

Good _____ Fair _____ Poor _____

Total weight of Concentrates 5 lbs Lbs.

Lbs. of concentrates per Cu. Yd. 17 lbs Lbs. Cu. Yd.

REMARKS.

Wm. [illegible]

Whitehawk Basin WHB-134 Parks & D

10/5/52 10/5/52

22

10

98

14 24

440 160

200 49

240 51

0 0

2 1/2

11.2

White Hawk Bame WH3-14L Parker Darling
10/5/52 10/5/52

22
15 Best
1.46
1/4 of Hole - 38 cu yd
690 100
300 49
390 51
0 0

2 1/2

71

White Hawk Basin WHB-16-4

10/5/52 10/5/52

22

9

.88

1/4 of .22

685 100

240 35

445 65

0 0

4

~~[illegible]~~

18.0

DOCKET COPY

Ellis

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

Project Summary Report

By: F. L. Knouse October 22, 1954

1. Docket No. DMEA-2264 (Monazite, columbium-tantalum)
Contract No. Idm-E350

Property - The White Hawk Placer claims Nos. 1, 2, 3, and 4, in the Paddy Flat Mining District along the drainage area of White Hawk Creek in White Hawk Basin, secs. 13, 14, 23, and 25, T. 11 N., R. 7 E., Boise Meridian. Claim locations are filed in the Office of the County Recorder, Valley County, Idaho, in book 5, pages 344, 345, 346, and 347, and amended descriptions are contained in book 6, pages 501, 502, 504, and 505.

Operator - Cosumnes Gold Dredging Company, a corporation
465 California Street, Room 403
San Francisco, California

Operator's property rights - Lessee
The Consent to Lien agreement, dated June 7, 1952, indicates that White Hawk Placer claims Nos. 1, 2, 3, and 4 were owned and leased by John Eaton and Gertrude M. Eaton, et al., to Guy M. Standifer and Merrill Yost on November 17, 1951, who then assigned their lease to Cosumnes Gold Dredging Company, Inc.

2. Contract - dated June 23, 1952.

Work authorized -

This project was intended to prospect a placer deposit in White Hawk Basin for monazite and columbium-tantalum minerals by drilling. Drilling and sampling were confined to White Hawk claims Nos. 2, 3, and 4.

The original program proposed ten 20-inch drill holes averaging 35 feet deep as preliminary exploration under Stage I. If the results of Stage I were encouraging, then 18 more holes would be drilled under Stage II. A screening-gravity concentration pilot plant was to be installed at Cascade to reduce drill hole samples to black sand concentrates from this project and from the project on the Paddy Flat Placer project (DMEA-2265), with the installation and operating cost being split on a 50-50 basis for each project. Provision was made for an access road to the property and to the drill sites.

Total Stage I	$10,156.97
Total Stage II	9,846.68
Total Estimated Cost	$20,004.00
Govt. participation @ 90%	$18,003.60

Amendments -

No. 1, dated October 20, 1952, extended the time from four months to an additional ten months from the date of the contract, or August 23, 1953, to complete the work.

Work completed -

Work on the 3-mile access road began September 7, 1952, and was completed September 28. The drill outfit was moved into White Hawk Basin, and drilling started September 30 and Stage I was completed October 7.

Ten 22-inch diameter clamshell drill holes were drilled aggregating 129 lineal feet and excavated about 12.6 cubic yards of gravel samples. Final calculations show an over-all drilling cost of $68.85 per foot, equivalent to $704.96 per cubic yard of gravel samples excavated.

The unit costs include access road building, labor and supervision, supplies, equipment depreciation, new buildings, improvements, equipment repairs, sampling, pilot plant operation, and lodging and board for the crew which accounts for the high apparent costs.

Approximately 3 cubic yards of drill hole gravel samples were concentrated in the Cascade pilot plant. Later, the black sands were further concentrated at the Porter Bros. Corporation plant at Boise, Idaho.

3. Audit Certificate - dated March 8, 1954

Total cost as billed by contractor	$9,111.96
Add:	
Costs transferred from Contract Idm-E351	54.67
Costs paid by Government	50.70
Total adjusted cost	$9,217.33
Total exceptions	335.54
Total Accepted Cost	$8,881.79
Government participation at 90%	$7,993.61

The following items of equipment were purchased new for Contracts Idm-E351 (Docket DMEA-2265) and Idm-E350 (the subject docket) and are stored at the Surcease Mining Company warehouse, Randsburg, California. Equipment charges were to be divided equally between the two contracts.

Item	Purchase price
10 steel casings, 22" OD x 11/32" x 3' long) 10 steel couplings, 1"x6"x5", 10 - 11/16" bent)	$1,685.13
1 drive shoe) 1 drive cap)	465.55
1 fabricated steel pulling head	429.27
2 #15 Vulcan pipe tongs	130.20
2 25-ton hydraulic jacks	160.60
	$2,870.75

The casing, couplings, drive shoe, and drive cap were custom built by the Yuba Manufacturing Company, San Francisco, California, and although never used, probably will have little resale value.

The Operator has waived its equity in this equipment. Negotiations on the disposal of this equipment are being conducted by the Executive Officers of Regions II and III in the final accounting of funds under Docket No. DMEA-2265, Contract Idm-E351.

4. Certification date - August 19, 1954.

Ore Reserves

The exploration drilling indicated about 3,300,000 cubic yards of gravel having an average depth of approximately 13 feet, and containing an estimated 0.275 pounds of columbium-tantalum and 0.53 pounds of monazite per cubic yard. The estimated gross value of these minerals is $3,412,000.

5. Comments -

The Operator did not submit a final report on this project despite repeated requests of the Field Team. The Field Team reports the field work, including the gravity concentration of the samples and black sand recovery, was done in a satisfactory manner.

The drilling was done with a 22-inch clamshell and we understand the holes were not cased as casing orders were not filled on time to start the drilling program. Therefore, there is some doubt concerning the accuracy of the value in the samples obtained. However, it was verbally reported that the gravel was drilled with a minimum of hole caving.

Splits from the black sand concentrate produced from each drill hole sample by the Operator were further concentrated and separation and analytical tests made with various methods by Dr. T. Hoover Mackin, University of Washington, Porter Bros. laboratory of Boise and the Bureau of Mines, and the results of these tests concerning the mineral content of the gravel is shown under Item 4 under Ore Reserves.

The Operator concluded the deposit was too shallow and yardage inadequate for a bucket-line type dredge and he did not choose to continue with Stage II drilling provided for in the contract.

The project was established to explore a deposit of placer gravel in the White Hawk Basin, for monazite, columbium and tantalum. Before the DMEA project was started, the Special Minerals Investigation Branch of the Bureau of Mines checked samples from the area (in 1951) and noted appreciable amounts of monazite, columbium-tantalum-uranium minerals in the black sand concentrates.

The drainage area of White Hawk Basin is in the granitic rock of the Idaho Batholith. The granite is cut by numerous pegmatite and aplite dikes and stringers closely related to emplacement of the batholith, and by a later set of porphyry dikes.

The principal placer minerals of the White Hawk Basin deposit are monazite, columbite-tantalite, and uranium-bearing black minerals of the euxenite group. These occur as minor accessories in both the granitic rock and the associate pegmatite, the monazite chiefly in the granite, and the columbite chiefly in the pegmatite. The distribution of the minerals is not uniform; they occur in significant concentrations only in an ill-defined belt trending northeasterly across the divide between White Hawk Creek and Bear Creek, the adjacent stream on the east. The rock containing the minerals does not differ megascopically from that which is essentially barren; the boundaries of the richer areas can therefore be determined only by panning of residual soil or by scintillator traverses. As compared with the Bear Valley suite, the White Hawk suite is somewhat higher in monazite and columbite-tantalite, and somewhat lower in euxenite.

It is evident that, insofar as the values in the modern streams are concerned, the White Hawk Basin deposit is in general comparable in grade with deposits considered to be minable elsewhere in Idaho. Exploration to determine the thickness of the deposits and the grade in depth, undertaken prior to the geologic study, seems to have been justified by the surface showings. The shallow depth and limited yardage indicated by the Cosumnes drilling, and the inaccessibility of the Basin, eliminate the possibility of operating a large dredge. Depending on the demand for the minerals, the deposit may be minable with light equipment.

A dragline-washing plant would probably be the best means of mining this deposit to produce a black sand concentrate for further beneficiation in a magnetic separation plant elsewhere. The tonnage of concentrates to be shipped to a magnetic separation plant would be relatively small because of the low magnetite, ilmenite, garnet, and zircon content of the gravel.

A field reconnaissance of the entire deposit to determine its extent is recommended, and if of sufficient areal size should probably be thoroughly sampled.

F. L. Knouse

F. L. Knouse

Copies:
Docket (original)
Admrs.' Reading File
Division contract file
Mr. Knouse

☒ Audited

☒ Certified

W[illegible] ANALYSIS SHEET - DMEA PROJECT[illegible]

Analysis as of 12/8/54
Incl. Voucher for November 1952

☒ Actual Cost

☐ Agreed Unit Costs

Name Consumnes Gold Dredging Company

Docket No. 2264

State Idaho

Commodity Columbium Tantalum

Idm-E No. 350

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes (not tabulated)					
STAGE I - 20" diam. Drilling (Specify) clamshell test holes	350'	5891.07	350'	** 5011.13	5011.13
STAGE II	630'	9,846.68			
Surface Excavation					
Underground Excavation					
Roads and Trails		2700.00		2700.00	2700.00
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		1565.90		1170.66	1170.66
Other (Specify)					
Stage I - Distribution: Totals		$ 20,004.00 (rounded)		$8 881.79	$8,881.79

Stage I - Distribution shown above:

	Allowed	Completed
Labor & supervision	$1766.28	$1714.29
Oper. Mat. & supplies	1640.00	500.88
" Equipment-rental	319.42	303.95
" " repairs	.....	586.22
Sampling & analysis	850.00	601.50
Taxes	.....	72.00
Insurance & clerk.	151.37	114.29
Lodging & meals.	1168.00	1118.00
	$5891.07 *	$5011.13 **

Prepared by J. M. Murphy

Checked Jay

71626

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/13/68		110
		220

Mr. John Eaton
P. O. Box 717
Cascade, Idaho 83611

Re: DMEA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer
Valley County, Idaho
Contract Idm-E350

Dear Mr. Eaton:

This is in reply to your letter of May 15, 1968, requesting photostats of information compiled under the subject contract and enclosing your check in the amount of $6.00 to cover the cost of photostating the material.

In accordance with your request, we are enclosing copies of sample and analytical data (Table 2), drill logs (Table 3), and map titled "Drill Hole Location of the White Hawk Placer Deposit, Valley County, Idaho - Consumnes Gold Dredging Company."

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Economic Geology File
OME docket
OME Reading File
OME Region I w/cy incoming letter

FEJohnson/gla 6-13-68

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 20 1968

INITIALS	CODE
gla	130
D	110

5/20/68
Mail for file

May 15, 1968

Re: Docket DMEA-2264
Monazie-Columbium-Tantalum
Consumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract IDM-E350

United States Department of The Interior
Office of Minreals Exploration
Washington 25 D.C.

Gentlemen:

I would like photostatic copies of the samples and analytical data (table two), drill logs (table three), and a map entitled "Drill hole locations of the White Hawk Placer Deposit, Valley County, Idaho-Consumnes Gold Dredging Company". This information was compiled as a result of a Defense Minerals Exploration Administrative contract with the Consumnes Gold Dredging Company (Idm-E350)

I have a letter from acting director, George Selfridge, dated September 6, 1960 that this material would be available to me in the future upon receipt of my check in the amount of $6.00

Sincerely,

John Eaton

Mail to: John Eaton 83611
P.O.Box 717
Cascade, Idaho

OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 20 1968
INITIALS CODE
110

TO: Budget and Finance

FROM: Office of Minerals Exploration

- ABSTRACT OF REMITTANCES -

Date	Amount	Bank, City and State	Name of Remitter	Docket & Contract Numbers	Purpose
5/16/68	$6.00	Inter-Mountain State Bank, Cascade, Idaho	Gertrude M. Eaton	DMEA-2264 E-350	Duplicating $

REMARKS: (List smelter or mill lot numbers covered by royalties)

5/21/68
Date Prepared

C. Curtis
Person Preparing Abstract

Date Received

Person Receiving Remittance

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/15	Murphy	500
	[illegible]	500
11/15	Talbert	800
	Selfridge	120
11/15	Johnson	110
11/15	Fernald	100
		220

Mr. John Eaton
Main at Pine
Cascade, Idaho

NOV 16 1962

Re: DMEA-2264 (Monazite-Columbium-Tantalum)
Consummes Gold Dredging Company
White Hawk Placer
Valley County, Idaho
Contract Idm-E350

Dear Mr. Eaton:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated August 19, 1954, all minerals mined or produced from June 23, 1952, to June 23, 1962, were subject to the Government's royalty as set forth in the said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract.

The above relates to the Owner's Consent to Lien, which you signed for yourself and also as attorney-in-fact for the other owners of the property subordinated under the terms of the subject contract.

Sincerely yours,

Director

FMMurphy/mm
11-15-62
cc: Director's Reading File
CA&A Division
Region I (2) w/cy Form 63 dated 10/31/62
Docket
Code 500

43683

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

JUL 23 1962

Re: DMEA-2264 (Monazite, Columbiu-
Tantalum)
Consumnes Gold Dredging Company
White Hawk Placer
Valley County, Idaho
Contract Idm-E350

Consumnes Gold Dredging Company
c/o Mr. John Eaton
Maine at Pine
Cascade, Idaho

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
C. M. E.
RECEIVED NOV 5 1962

11/5	CEO	800
		100
11/5	F.C.	~~110~~
	Granard	500
	Murphy	~~500~~
		220

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 2, 1962 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since January 2, 1962 , has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	None	Tons		
Concentrates	None	Tons		
Other	None	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name John Eaton Title

Address Lowman, Ida Date Oct 31, 1962

4511

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/21	Murphy	500
		500
8/21	On leave	120
"	Johnson	110
		100
		220

AUG 2 1 1962

Consumnes Gold Dredging Company
c/o Mr. John Eaton
Main at Pine
Cascade, Idaho

Re: IMMA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer
Valley County, Idaho
Contract Idm-K350

Gentlemen:

On July 23, 1962, we mailed you forms requesting information regarding production from the subject property since your last report dated January 2, 1962, to our Region I office. The expiration date for royalty payments under the terms of the subject contract is June 23, 1962. However, we cannot release the Government's lien on the property until we ascertain whether there has been any production from the White Hawk Placer subsequent to your last report.

Therefore, will you kindly fill out and return two copies of MME Form 63 or advise this office by letter regarding production from the property during the period in question. If no royalty is due the Government, you will be advised that its lien on the property is released.

Sincerely yours,

W. R. Griswold (gla)

W. R. Griswold, Chief
Division of Minerals

Enclosures

FMMurphy/gla
8-21-62
cc to: Director's Reading File
Region I (2)
Docket
Code 500

43683

One

No. 157 Howard Street
Spokane 4, Washington
February 7, 1962

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary, Washington, D. C.

From: Acting Field Officer, OME, Region I

Subject: DMEA-8264 (Monazite-Columbium-Tantalum)
Cosmopolis Gold Dredging Company
White Bank Placer
Valley County, Idaho
Contract IAm-8390

There is enclosed a Report of Royalty Review dated February 1, 1962, for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the White Bank Placer located in Valley County, Idaho, during the period June 22, 1955, through January 2, 1962.

This Report of Royalty Review is for record purposes only and no copy has been provided for the Operator.

D. R. MacLaren

Enclosure

MLMaclaren:mls
cc: CAAA Div., OME
OME; CFF
Reading copies to:
Nolan
Robbs
Guild

OFFICIAL FILE COPY
RECEIVED
DATE 1962
2/9 gla 500
220

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code

FEB 2 - 1962

Memorandum

To: Acting Field Officer, Region I

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer
Valley County, Idaho
Contract Idm-E550

The original and one copy of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

As evidence of your concurrence, a copy of your memorandum transmitting the original report to the Fiscal Section should be furnished this Division. If for any reason you do not concur, both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 2-2-62

cc:
Docket
Director's Reading File
CA & A Division
Mr. Rothrock

43683

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 26 1961

DATE	DETAILS	CODE
12/26	coe	210
12/26	[illegible]	800
12/26	[illegible]	500
		vid

So. 157 Howard Street
Spokane 4, Washington
December 22, 1961

Mr. John Eaton
John Eaton Company
Main at Pine
Cascade, Idaho

Re: DMEA-2264 (Monazite, Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer Claims
Valley County, Idaho
Contract Idm-8550

Dear Mr. Eaton:

Our records indicate that the subject Operator relinquished his lease on the White Hawk Placer Claims and that you represent the claim owners.

In order to bring our records up-to-date will you please give the information requested on the enclosed MME Form 63, Request for Information, sign both copies as agent for the owners and return to this office.

Sincerely yours,

D. H. MacLaren
Acting Field Officer, OME
Region I

Enclosures

DHMacLaren:mla
cc: OME(2)
CPF
Reading copies to:
Nolan
Hobbs
Guild

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

NOV 1 6 1961

Memorandum

To: Acting Field Officer, Region I

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2264 (Monazite, Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer Claims
Valley County, Idaho
Contract Idm-5350

This Division is preparing a Report of Royalty Review on the subject contract. Accordingly, your submission of an original and one copy of MME Form 22, Check Sheet of Examining Engineer, will be appreciated.

It appears that this project has been inactive since 1952. If this is so, please make an appropriate statement under item 8 of MME Form 22.

EDTalbert/ama
November 16, 1961

Copy to: Docket
Director's Reading File
CA & A Division

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		500
		500
9/6	GCS	120
		110
9-6	gad	220
		225

SEP 6 1960

Hon. Gracie Pfost
House of Representatives
Washington 25, D. C.

Re: Docket DMEA-2264
(Monazite, Columbium-Tantalum)
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract Idm-E350

Dear Mrs. Pfost:

Your request of August 31, 1960, to the Secretary of the Interior concerning the results of exploration work done on the White Hawk Placer under the former DMEA program has been referred to this office for reply.

On August 25, 1954, and again on January 7, 1959, copies of the requested information were furnished Mr. Eaton as stated in the enclosed copies of the transmittal letters. On the latter date Mr. Eaton was informed that the data sheets were the last extra copies available.

We shall now have to photostat each sheet and will gladly furnish Mr. Eaton with a copy of the material he previously received upon receipt of his check or money order for $6.00.

We are returning Mr. Eaton's letter as requested.

Sincerely yours,

George C. Selfridge

Acting Director

Enclosures

FMMurphy/GCSelfridge/gla/fw-9/6/60
cc: Docket
Director's Reading File
Region I (2) w/2 cys each of 2 incoming communications
Code 500
Mr. Selfridge
Chron.
Secretary's Reading File

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/6	Murphy	500
	[illegible]	500
		120
		110
		220
		225

Hon. Gracie Pfost
House of Representatives
Washington 25, D. C.

Re: Docket EMEA-2264
(Monazite, Columbium-Tantalum)
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract Idm-X350

Dear Mrs. Pfost:

Your communication of August 31, 1960, to the Secretary of the Interior has been referred to this office for reply.

Mr. John Eaton was furnished copies of the mentioned data on August 25, 1954, and again on January 7, 1959, as noted in the Thermofax copies (two each) of the transmittal letters attached hereto. You will note in the January 7th letter that these were the last extra copies of the data available. Hence, will you kindly advise Mr. Eaton that we will furnish additional copies of these data at the duplicating cost of $1.00 per sheet upon receipt of his check or money order. The total cost of each set will be $6.00 since it contains six sheets.

We are returning Mr. Eaton's letter herewith as requested.

Sincerely yours,

Acting Director

Enclosures

FMMurphy/gla
9-6-60
cc to: Director's Reading File
Secretary's Reading File
Region I (2) w/2 cys each of 2 incoming communications
Code 500
Docket
Chron

43683

August 18, [illegible]

REC'D AUG 15, 1960

[illegible]acie Pfost
[illegible] Representatives
[illegible]ton D.C.

Dear Mrs. Pfost:

Sometime during 1954 you wer[illegible] some information that had been denie[illegible] duplicate information inasmuch [illegible] and maps have been destroyed by fire.

The information that came thru [illegible] Mr. A.E. Weissenborn of the Department of In[illegible] Rm 157 Howard St., Spokane 4 Washington.

The subject was labeled: Do[illegible] 2264(Monazite-Tantalum-Columbium) Contract [illegible] Consumnes Gold Dredging Co. Whitehawk Placer [illegible] Idaho.

The information that I received was as follows: One copy each of the sample and analytical data (table 2), drill logs (table 3) and a map entitled "Drill hole locations of the White Hawk Placer Deposit, Valley C[illegible] County, Idaho-/Consumnes Gold Dredging Company". This information was compiled as a result of the Defense Minerals Exploration Administration contract with the Consumnes Gold Dredging Company (IDM-2350)

I am part landowner here and the representative of the others.

I am writing to you for this information as originally I was unable to get it and only thru your very fine efforts was it eventually furnished.

Hoping that you are well and will meet with continued success I no doubt will see you during the next campaign.

Sincerely,
John Eaton

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 1 1960

DATE	INITIALS	CODE
		500
		195
		225

Congress of the United States
House of Representatives
Washington, D. C.

August 31, 1960

Hon. Frederick A. Seaton,
Secretary
Department of Interior
Washington 25, D. C.

Sir:

The attached communication is sent for your consideration. Please investigate the statements contained therein and forward me the necessary information for reply, returning the enclosed correspondence with your answer.

Yours truly,

Gracie Pfost
M. C.

First District, Idaho

re:
Mr. John Eaton
John Eaton Company
Main at Pine
Cascade, Idaho

Congress of the United States
House of Representatives

OFFICIAL BUSINESS—FREE

WASHINGTON, 27
AUG 31
5-PM
1960
D. C.

Gracious Sir,
REPORT OBSCENE
MAIL TO M. C.
YOUR POSTMASTER

Hon. Frederick A. Seaton,
Secretary
Department of Interior
Washington 25, D. C.

1/12	C	220
1/12		800
1/12	Kunze	700
Inactive cert.		225

So. 157 Howard Street
Spokane 4, Washington

January 7, 1959

Mr. John Eaton
Main at Pine Streets
Cascade, Idaho

Dear Mr. Eaton:

This will acknowledge receipt of your letter of December 15, 1958, in which you request copies of a map and drill hole data we sent you August 25 at the request of our Washington office.

Enclosed are one copy each of sample and analytical data (table 2), drill logs (table 3), and a map entitled "Drill hole locations of the White Hawk Placer Deposit, Valley County, Idaho - Cosumnes Gold Dredging Company." This information was compiled as a result of a Defense Minerals Exploration Administration contract with the Cosumnes Gold Dredging Company (Contract No. Idm-E350). These are the last extra copies available.

Since you are the land owners' representative, it is understood that you will make the information available to all of the land owners.

Sincerely yours,

A. E. Weissenborn
Executive Officer, OME
Field Team Region I

cc: OME (2) w/incoming
USBM (2) " "

Re: Docket No. DMEA-2264 (Monazite, columbium-tantalum), White Hawk Placer Deposit, Paddy Flat Mining District, Valley Co., Idaho.

[redacted]PANY

[redacted] IDAHO

December 16, 1958

A.E.Weissenborn, Executive Officer
DME
Region 2
United States Department of Interior
Spokane, Washington
Mr. Weissenborn:

During August of 1954, at the request of your Washington office, you sent me copies of the sample and analytical data (table2) drill logs (table 3) and a map entitled Drill Hole locations of the White Hawk Placer Deposit, Valley County, Idaho-Consumnes Gold Dredging Co. This information was compiled as a result of a Defense Minerals Exploration Administration contract with the Consumnes Gold Dredging Company. (IDM E350)

Our copies which you forwarded were inadvertently destroyed and I would appreciate duplicates. As the landowners representative I will make this information available to all of the landowners.

Sincerely,
John Eaton

		NOTED	DATE
Mr.			
al			
USBM			
DME			

RECEIVED
DEC 17 1958
U.S.
SPOKANE, WASH.

1/30/56 gla

XXXXXXXXXXXXXXXXXX
1201 N. Division Street
Spokane 2, Washington
January 24, 1956

RECEIVED
JAN 30 1956

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region I, NW District
1201 N. Division Street
Spokane 2, Washington

Re: Contract Idm-E350 — 2264 file
Contract Idm-E351
Cosumnes Gold Dredging Co.

Dear Mrs. Purdy:

Work under the subject contract has been completed to the satisfaction of the Government. Although additional information has been received from the operator on the Paddy Flat project (Docket No. 2265) no acceptable final report has been forthcoming from the operator and this requirement is hereby waived by the Executive Officer.

A Certification of Discovery or Development was issued August 19, 1954 covering contract Idm-E350.

Final audit reports by DMEA Auditor Robert M. Hull have been received on the subject contracts.

As all contract requirements have been met, it is requested that final settlement of our account with the operator be made.

Sincerely yours,

A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region I,
Northwest District

cc: DMEA (2)
USGS (2)

Talbot

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

JAN 17 1956

Mrs. Myrtle Purdy
Authorized Certifying Officer
Bureau of Mines
1201 North Division Street
Spokane 2, Washington

Re: Idm-2350, DMEA-2264
Commonwealth Gold Dredging Co.
and
Idm-2351, DMEA-2265
Commonwealth Gold Dredging Co.

Dear Mrs. Purdy:

Receipt is acknowledged of your reply of January 11, 1956 to my letter of January 4, 1956, relative to the payment status of the referenced contracts.

If you will refer to the Audit Certificates covering these projects, I believe that you will agree that the amounts shown in your letter as "Certified by Auditor" are the net amounts valid for payment to the Operator rather than the total amounts valid for charge against the contract accounts. Restatement of the status of the accounts in the following manner may serve to clarify the situation:

	Payments to Date	Certified by Auditor	Balance Due Contractor
Idm-2350:			
Commonwealth	$ 8,200.73	$ 7,942.91	$-257.82
J. F. Kelaro	30.70	30.70	-
	$ 8,231.43	$ 7,973.61	$-257.82
Idm-2351:			
Commonwealth	$13,714.13	$14,193.33	$ 479.20
J. F. Kelaro	70.98	70.98	-
	$13,785.11	$14,264.31	$ 479.20
Due Commonwealth			$ 221.38

R.S.S.

We are not too concerned about payment to the Operator of the $221.38 net balance due (though we were questioning why payment had not been made), but we would like to clear the records of the indicated overpayment on Idn-2398. This can be accomplished by transferring expenditures in the amount of $257.82 from the contract account for Idn-2398 to the contract account for Idn-2391.

If you concur and make this adjustment, please forward a copy of your adjusting journal voucher, or advise by letter that the adjustment has been made, so that we may adjust our records accordingly and close our payment records on Idn-2398.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

EDTalbert/wb
January 17, 1956

Copy to: Docket - DMEA-2264
DMEA-2265
Admr. Reading File
Irene Smolder
Mr. Chambers

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

JAN 4 1956

Mrs. Myrtle Purdy
Authorized Certifying Officer
Bureau of Mines
1201 N. Division Street
Spokane 2, Washington

Re: Idm-E350, DMEA-2264
Cosumnes Gold Dredging Co.
and
Idm-E351, DMEA-2265
Cosumnes Gold Dredging Co.

Dear Mrs. Purdy:

Our records indicate the payment status of the above cited contracts to be as follows:

Contract No.	Paid	Cert. by Auditor	Balance
Idm-E350	$ 8,251.43	$ 7,993.61	$ - 257.82
Idm-E351	13,785.11	14,264.31	479.20

Information is requested as to whether the above figures are in agreement with your records and, if so, why an appropriate adjustment in the amount of $257.82 should not be made between the two contracts and the balance of $221.38 paid to the operator.

Sincerely yours,

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

EDTalbert/ama
January 4, 1956

Copy to: Docket - DMEA-2264
DMEA-2265
Admr. Reading File
Irene Smolder
Mr. Chambers

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

JUL 11 1955

Mr. Clarence F. Fisher
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Reports of Royalty Review
Idm-P 350, DMEA-2264
Cosmos Gold Dredging Co.
and
Idm-P 584, DMEA-2781
Verlon W. Vandeventer

Dear Mr. Fisher:

Receipt is acknowledged of your Reports of Royalty Review covering the above-cited Exploration Project Contracts.

The Reports are accepted and may be distributed in the usual manner.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

WBorovies/wb
July 11, 1955

Copy to: Docket (2)
Admr. Reading File
Mr. Chambers

R.C.S.

IN REPLY REFER TO:

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

September 8, 1954

Re: DMEA-2264
Consumnes Gold
Dredging Co.
White Hawk Placer Claims
Valley County, Idaho
$8,881.79 - Columbium-Tantalum

Memorandum

To: E. Wm. Ellis
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of Field Team's Final Report

The results of drilling ten holes on the White Hawk claims 1-4 indicate a substantial quantity of columbium-tantalum probably occurs in the White Hawk Basin. However, further work is needed to more thoroughly test the potentialities of the areas adjoining the completed holes.

I concur with the Field Team recommendation that certification of a discovery should be made.

E. L. Newcomb

E. L. Newcomb

9-1-54
G. Cee.

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

Defense Minerals Exploration Agency
AUG 27 1954

August 27, 1954

Memorandum

To: Ernest William Ellis, Chief, Rare and Miscellaneous Metals, Defense Minerals Exploration Agency

From: John D. Sargent, Commodity- Industry Analyst, Rare and Precious Metals Branch

Subject: DMEA Docket No. 2264 (Columbite-Tantalite)

Issuance of a certificate of Discovery or Development is recommended.

John D. Sargent

John D. Sargent

8-31-54
a.m.

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

August 25, 1954

Mr. John Eaton
John Eaton Company
Cascade, Idaho

Dear Mr. Eaton:

At the request of our Washington office, there is enclosed one copy each of the sample and analytical data (Table 1), drill logs (Table 3), and a map entitled "Drill hole locations of the White Hawk Placer Deposit, Valley County, Idaho - Cosumnes Gold Dredging Company". This information was compiled as a result of a Defense Minerals Exploration Administration contract with the Cosumnes Gold Dredging Company (Idm-4350).

Since you are the landowners' representative, it is understood that you will make the information available to all of the landowners.

Very truly yours,

[illegible]
Executive Officer, DMEA
Field Team, Region II

Enclosures

Per Operating Committee's request of August 18, 1954.

cc: DMEA (2)
USBM (2)
Armstrong

700

Docket
Surname copy

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

F. E. Knouse
Ellis
Forrest
Rubow
Martin
Farrabee
Hedges
F. E. Johnson

Mr. G. M. Standifer, President
Cosumnes Gold Dredging Company
465 California Street, Room 403
San Francisco, California

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-E350
The White Hawk Placer
Valley County, Idaho

AUG 13 1954

Dear Mr. Standifer:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract." This certification covers all the land described in Article 2 of the above-described contract.

By the terms of the Exploration Project Contract, as amended, and of the certification, all monazite, columbium-tantalum and other valuable minerals produced from the claims described in Article 2 of the contract, from June 23, 1952, the date of the contract, are subject to the Government's percentage royalty as set forth in the contract until the sum of $7,993.61 is paid, or until June 23, 1962, whichever occurs first.

Payments should be made to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington. Checks should be payable to the Treasurer of the United States. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify Mr. Weissenborn of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period, please notify Mr. Weissenborn at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure
FIKnouse/gla 8-12-54
cc to: Admr. Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm. 4207, GSA
Field Team, Region II (2)
Docket

Code 700
Mr. Knouse
F. E. Johnson

Docket
Surname copy

700

F. L. Knouse
Ellis
Burton
Martin
Jarrett
Hedges
Johnson

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

AUG 19 1954

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration Bldg., Room 5002
7th and D Streets, S. W.
Washington 25, D. C.

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-E350
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho

Dear Mr. Gumbel:

I am enclosing one copy of a certification of discovery or development relating to the subject exploration contract.

The contract dated June 23, 1952, with the Government participating to the extent of 90 percent of $20,004.00, or $18,003.60, provided for the drilling of twenty-eight 22-inch diameter holes from the surface to a depth of 35 feet through the placer gravel deposit. The contract also provided for the cost of separation and analysis of the minerals from the gravel recovered from the drill holes, and 50 percent of the cost to transport and erect a small plant with which to wash the samples and concentrate the minerals. An audit of the expenditures during the life of the contract shows a total net cost of $8,881.79, with Government participation at 90 percent, or $7,993.61.

The exploration project work was begun on September 7, 1952, and completed October 7, 1952. A total of ten holes was drilled to an average depth of 13 feet and the small concentrating plant mentioned above was installed. However, mineral separation tests and chemical analyses were not completed until this year.

To perform the drilling it was necessary to construct three miles of road to the property and to the drill-hole sites. The exploration drilling indicated about 3,300,000 cubic yards of gravel having an average depth of approximately 13 feet, and containing an estimated 0.275 pounds of columbium-tantalum and 0.53 pounds of monazite per cubic yard. The estimated gross value of these minerals is $3,412,000.

The DMEA is of the opinion that the project work was of definite benefit to the property and, therefore, we have certified that a discovery or development resulted from the work.

FLKnouse/gla
8-12-54

Sincerely yours,

C. O. Mittendorf

Administrator

cc to: Admr. Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm. 4207, GSA
Field Team, Region II (2)
Docket
Code 700 Mr. Knouse
Mr. F. E. Johnson

Docket
Surname copy

700

F L Knouse
Martin
J E Johnson

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

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-1350
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho

Dear Mr. Weissenborn:

This is with reference to the request of Mr. John Eaton, John Eaton Company, Cascade, Idaho, one of the landowners, for a copy of the sample and analytical data and drill logs of the drilling done on the captioned project by the subject Operator. The Operator was contacted about this question and he has consented to the release of this information to the landowners.

As we do not have extra copies of these data, will you please send a copy of the sample analytical data, drill hole logs, and the map submitted with the final Field Team report entitled, "Drill hole locations of the White Hawk Placer Deposit, Valley County, Idaho - Cosumnes Gold Dredging Company," to Mr. Eaton. Mr. Eaton should be advised that, as he is the landowners' representative, upon receipt of the information it is to be made available to all of the landowners.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (JHB)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHB)

D. M. Larrabee

Member, Geological Survey (JHB)

FLKnouse/gla
8-17-54

cc to: Admr. Reading File
Operating Committee
Docket
Messrs. Frank Lamb, Rm. 3649
E. L. Newcomb, Rm. 5227
Code 700
F. L. Knouse

Docket
Surname copy

700

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

F L Knouse
Martin
Larrator
Hedges
Johnson

Hon. Gracie Pfost
House of Representatives
Washington 25, D. C.

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-E350
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho

My dear Mrs. Pfost:

This is with further reference to the request of Mr. John Eaton, John Eaton Company, Cascade, Idaho, one of the project landowners, for a copy of the sample analytical data and drill logs of the drilling done on this exploration project by the Cosumnes Gold Dredging Company.

The Cosumnes Gold Dredging Company was contacted about this question and they have consented to the release of this information to the landowners.

I have advised Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, to forward a copy of this information to the landowners' representative, Mr. John Eaton.

It is hoped that the above will provide you with the necessary information for your reply to Mr. Eaton.

Sincerely yours,

C. O. Wittenacre

Administrator

FLKnouse/gla
8-17-54
cc to: Admr. Reading File
Docket
Messrs. Frank Lamb, Rm. 3649
E. L. Newcomb, Rm. 5227
Code 700
Mr. Knouse
DMEA Field Team, Region II (2)

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

North 1201 Division Street
Spokane 2, Washington
August 13, 1954

W. S. Martin, Acting Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 2264 (monazite-columbium-tantalum)
Cosumms Gold Dredging Company
White Hawk Placer Claims
Valley County, Idaho
Contract No. Idm-E350 (completed)

Dear Mr. Martin:

Reference is made to your teletype of August 12, 1954 covering the operators final report on the cited docket.

We have never received the operators final report on the project and it is doubtful that we will get one despite the fact that we have made repeated request for it. The operator's General Manager, Mr. Merrill Yost, is now in Guam.

As you no doubt know from previous correspondence Mr. Yost wrote three separate final reports on the Paddy Flat project (Docket No. 2265) which were not acceptable.

Sincerely yours,

Wing G. Agnew
Acting Executive Officer

Surname Code 700

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

FLKnouse
DMEA - Department of the Interior

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

A. L. WEISSENBORN, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION II
SOUTH 157 HOWARD STREET
SPOKANE 4 WASHINGTON

RE DMEA 2264 COSUMNES GOLD DREDGING COMPANY ADVISE STATUS OPERATOR'S

FINAL REPORT. IF REPORT RECEIVED ADVISE DATE AND FORWARD COPIES.

W. S. Martin

ACTING W. S. Martin, Acting Chairman
Operating Committee

FLKnouse/am
8-11-54
cc to: Admin. Reading File
Operating Committee
Docket
Messrs. F. Lamb, Rm. 3649
E. L. Newcomb, Rm. 5227
Code 700
Mr. Knouse
Confirmation to Region II

R.C.S.

8-16-54
G.M.
700

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

Mr. G. M. Standifer, President
Cosumnes Gold Dredging Company
Room 403, 465 California Street
San Francisco, California

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-E350
The White Hawk Placer
Valley County, Idaho

Dear Mr. Standifer:

I am in receipt of a request from the owners of the land concerned in the subject contract for the sample analytical data and drill logs of the drilling done by your Company on this project. This request also states that your Company expressed disinterest in the property and its control has been returned to the landowners.

It is our understanding that a copy of the analytical results done on the samples you delivered to the Executive Officer in Spokane, for which your Company contributed the pro rata amount of the cost, has been mailed to you.

As this information is confidential between the Operator and the Government, it is not the general practice to release such information without the Operator's consent. In this connection, please advise if you approve of releasing this information to the landowners.

Sincerely yours,

C Whitehead Jr

Administrator

Aug. 12, 1954
Sa n Francisco, Cal.,

We hereby approve releasing this information to the land owners.

Cosumnes Gold Dredging Co.,
By G M Standifer
G.M.Standifer,
President

rname
cket copy

700

F. L. Knouse
Ellis

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

Mr. G. W. Standifer, President
Columbus Gold Dredging Company
Room 403, 465 California Street
San Francisco, California

Re: Docket No. DMA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-4350
The White Bank Placer
Valley County, Idaho

Dear Mr. Standifer:

I am in receipt of a request from the owners of the land concerned in the subject contract for the sample analytical data and drill logs of the drilling done by your Company on this project. This request also states that your Company expressed disinterest in the property and its control has been returned to the landowners.

It is our understanding that a copy of the analytical results done on the samples you delivered to the Executive Officer in Spokane, for which your Company contributed the pro rata amount of the cost, has been mailed to you.

As this information is confidential between the Operator and the Government, it is not the general practice to release such information without the Operator's consent. In this connection, please advise if you approve of releasing this information to the landowners.

Sincerely yours,

C. O. Mittenderf

Administrator

FLKnouse/gla
7-29-54
cc to: Admr. Reading File
Docket
Messrs. Frank Lamb, Rm. 3649
D. M. Larrabee, Rm. 5218
Code 700
Mr. F. L. Knouse
DMEA Field Team, Region II (2)

R.C.S.

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

F.L. Knouse

Hon. Gracie Pfost
House of Representatives
Washington 25, D. C.

Re: Docket No. DMEA-2264
(Monazite, columbium-tantalum)
Contract No. Idm-N350
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho

My dear Mrs. Pfost:

This is in reply to your letter to me of July 26, with which you enclosed a letter to you dated July 22, 1954, from Mr. John Eaton, John Eaton Company, Cascade, Idaho.

I was advised by telephone that the engineers' report containing the analytical data desired by the landowners would be forwarded from our Spokane office today.

In view of the fact that Mr. Eaton states he does not know the address of the Cosumnes Gold Dredging Company, that the Company expressed disinterest in the property, and also as the landowners desire information which is confidential between the Operator and the Government, I have written to the Operator for permission to release the requested information to the landowners. When a reply is received from the Operator, I will communicate with you further on this question.

Mr. Eaton's letter to you is returned pursuant to your request.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure
Knouse/glam
8-54
cc: Admr. Reading File
Docket
Mr. Frank Lamb, Rm. 3649
D. M. Larrabee, Rm. 5218
Code 700
F.L. Knouse

DMEA Field Team, Region II (2) w/c 2 incoming letters

R.C.B.

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

Defense Minerals Administration
RECEIVED
JUL 30 1954

JUL 30 1954

July 28, 1954

Air Mail, Special Delivery

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer Claims
Valley County, Idaho
Contract No. Idm-E350 (completed)

Dear Mr. Selfridge:

Enclosed is one copy of the final Field Team report on the White Hawk Placers project of Cosumnes Gold Dredging Company. This is being sent to you Air Mail, Special Delivery because Mr. Ellis has indicated the report is urgently needed. Three additional copies are being sent to you by regular mail.

Although this deposit may be too small for a bucketline-type dredge, it might be readily and economically mined by a dragline dredge and therefore a Certification of Discovery or Development is justified. The Field Team concurs with the examiners in recommending a Certification of Discovery.

By Field Team, Region II

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure 1
cc: Ernest Wm. Ellis
DMEA, Wash., D. C.

USBM (2)
Armstrong

Reviewed by
DMEA OPERATING COMMITTEE
8-6-54
(date)

7/30/54 rgla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
JUL 30 1954

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

July 28, 1954

Air Mail, Special Delivery

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
White Hawk Placer Claims
Valley County, Idaho
Contract No. Idm-E350 (completed)

Dear Mr. Selfridge:

Enclosed is one copy of the final Field Team report on the White Hawk Placers project of Cosumnes Gold Dredging Company. This is being sent to you Air Mail, Special Delivery because Mr. Ellis has indicated the report is urgently needed. Three additional copies are being sent to you by regular mail.

Although this deposit may be too small for a bucketline-type dredge, it might be readily and economically mined by a dragline dredge and therefore a Certification of Discovery or Development is justified. The Field Team concurs with the examiners in recommending a Certification of Discovery.

By Field Team, Region II

A. E. Weissenborn

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Thomas E Howard
For: Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure 1
cc: Ernest Wm. Ellis
DMEA, Wash., D. C.

USBM (2)
Armstrong

Reviewed by
DMEA OPERATING COMMITTEE
8-6-54
(date)

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
2264 E-350

Date 8/9/54

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files Division
5. _____
6. Docket Control Mails and Files

Note comments in report regarding:

1. Passed along without ruling - Com
2.
3.
4.

and take appropriate action.

- - - - -

Action taken by Division:

Don't remove

ROBERT E. ADAMS

Initials

DEPARTMENT OF THE I...
Defense Minerals Administration
OFFICE
JUL 30 1954

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM, REGION II

FINAL REPORT

Contract Idm-E350

by

John D. Bardill
Metallurgist
U. S. Bureau of Mines

J. Hoover Mackin
Geologist
U. S. Geological Survey

COSUMNES GOLD DREDGING COMPANY, INC.
465 California Street
San Francisco, California

Docket No.:	DMEA-2264
Commodity:	Monazite, Columbium-Tantalum
Contract date:	June 23, 1952
Completion date:	August 23, 1953

Reviewed by
DMEA OPERATING COMMITTEE
8-6-54
(date)

WHITE HAWK BASIN PLACER DEPOSIT
Paddy Flat Mining District
Valley County, Idaho

Spokane, Washington

July 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 30 1954

FINAL REPORT

COSUMNES GOLD DREDGING COMPANY, INC.
White Hawk Basin Placer Deposit
Paddy Flat Mining District
Valley County, Idaho

Contract Idm-E350

* * * *

INTRODUCTION

This report describes a project conducted by Cosumnes Gold Dredging Company, Inc., under an exploration contract with Defense Minerals Exploration Administration, to prospect a monazite, columbium-tantalum placer known as the White Hawk Basin Placer deposit, in White Hawk Basin, Valley County, Idaho.

Summary

This project was intended to prospect a placer deposit in White Hawk Basin for monazite and columbium-tantalum minerals by drilling.

The ten drill holes in a portion of the deposit indicated about 3,300,000 cubic yards of gravel having an average depth of roughly 13 feet containing an estimated 0.275 pounds of a marketable columbium-tantalum concentrate and 0.53 pounds of monazite per cubic yard having a gross value estimated to be about $3,412,000.

Although this deposit may be too small for a large bucket-line type dredge, it might be readily and economically mined by a dragline dredge plant. The operator concluded that the deposit is too small for a large bucketline dredge which they intended for mining the deposit.

The deposit may be considerably larger than indicated by the limited drilling of this project.

A Certification of Discovery or Development is recommended.

LOCATION AND ACCESSIBILITY

The White Hawk Placer deposit is in White Hawk Basin, Valley County, Idaho, about 3 miles airline from Bear Valley. The deposit

may be reached from Boise by driving northeast on Highway 21 about 77 miles to Lowman, then north about 20 miles through Bear Valley to Big Meadows Guard Station, thence by Forest Service road about 9 miles over the mountain into White Hawk Basin at an elevation of approximately 6,100 feet.

The open flat is about three-eighths-mile wide and a mile long and is surrounded by wooded mountains. Winter temperatures are usually sub-zero with extremely heavy snowfalls. Summers are temperate and pleasant.

PROPERTY

The Consent to Lien agreement indicates that White Hawk Placer claims No. 1, 2, 3, and 4 were owned and leased by John Eaton and Gertrude M. Eaton, et al., to Guy M. Standifer and Merrill Yost on November 17, 1951, who then assigned their lease to Cosumnes Gold Dredging Company, Inc.

The claims are in the Paddy Flat Mining District along the drainage area of White Hawk Creek in White Hawk Basin, secs. 13, 14, 23, and 25, T. 11 N., R. 7 E., Boise Meridian. Claim locations are filed in the Office of the County Recorder, Valley County, Idaho, in book 5, pages 344, 345, 346, and 347, and amended descriptions are contained in book 6, pages 501, 502, 504, and 505.

Drilling and sampling was confined to White Hawk claims No. 2, 3, and 4.

The property is near the Idaho primitive area and is devoid of human habitation and mine workings of any kind.

THE PROJECT

Correspondence shows that the Special Minerals Investigation Branch field checked samples from the area in 1951 and noted appreciable amounts of monazite and columbium-tantalum-uranium minerals in the black sand concentrates. Although none of the SMIB engineers had visited the area or taken samples, the DMEA Operating Committee determined the feasibility of the applicant's proposed exploration work and advised the Field Team that a field examination was not necessary.

The original program proposed ten drill holes averaging 35 feet deep as preliminary exploration under Stage I. If the results of Stage I were encouraging, then 18 more holes would be drilled under Stage II. A screening-gravity concentration pilot plant was to be installed at Cascade to reduce drill hole samples to black sand concentrates. Provision was made for an access road to the drill sites.

This program was incorporated in Contract Idm-E350 dated June 23, 1952, which provided $10,156.97 for Stage I, and $9,846.68 for Stage II with Government participation of 90 percent.

Ten drill holes were completed under Stage I. Refer to the map in the appendix for location of the holes and to tables 1, 2, and 7 for sampling and estimated mineral content and to the drill logs for type of ground drilled.

A 22-inch diameter clamshell bucket type drill was used. Description of the drill and its operation is given in the final report under Contract Idm-E351, Cosumnes Gold Dredging Co., Inc., Paddy Flat Placer deposit, Valley County, Idaho.

The project crew set up camp at the site of the beginning of the access road September 7, 1952, and started construction of the 3-mile access road September 10, 1952. Delay of 3 days was due to reluctance of Forest Service to grant permission to construct the road. The road was completed September 28. The drill outfit was moved into White Hawk Basin, and drilling started September 30 and was completed October 7. The drill rig and equipment were moved out on October 7, 1952, after completing ten drill holes under Stage I.

Drill hole samples were gravity concentrated at the pilot plant at Cascade. Later, the black sands were further concentrated at the Porter Bros. Corporation plant at Boise, Idaho.

The contract was amended to extend the time another 7 months in the event the operator decided to continue work under Stage II the following summer.

The work was conducted in a satisfactory manner.

GEOLOGY

The drainage area of White Hawk Basin is in the granitic rock of the Idaho Batholith. The granite is cut by numerous pegmatite and aplite dikes and stringers closely related to emplacement of the batholith, and by a later set of porphyry dikes.

The principal placer minerals of the White Hawk Basin deposit are monazite, columbite-tantalite, and uranium-bearing black minerals of the euxenite group. These occur as minor accessories in both the granitic rock and the associated pegmatite, the monazite chiefly in the granite, and the columbite chiefly in the pegmatite. The distribution of the minerals is not uniform; they occur in significant concentrations only in an ill-defined belt trending northeasterly across the divide between White Hawk Creek and Bear Creek, the adjacent stream on the east. The rock containing the minerals

does not differ megascopically from that which is essentially barren; the boundaries of the richer areas can therefore be determined only by panning of residual soil or by scintillator traverses. These methods were used with some success in defining the source areas of placer deposits of minable grade in the Bear Creek drainage (see TEM 602), but were applied in the White Hawk drainage only to the extent needed to prove that the general mode of occurrence of the minerals is the same as in Bear Valley. As compared with the Bear Valley suite, the White Hawk suite is somewhat higher in monazite and columbite-tantalite, and somewhat lower in euxenite.

Forty heavy mineral samples panned in the White Hawk drainage area include 25 samples of stream deposits and 15 samples of the various weathered-rock types. The stream panning data which bears directly on the tenor of the deposits that might be expected to occur in the basin, and on the geographic distribution of the economic minerals in the basin deposit, are summarized in tables 5 and 6. Table 5 shows the average content of the common heavy minerals in White Hawk Creek and all minor tributary streams in percentage weight. Table 6 shows the average content of the economic minerals only, in the gravels of White Hawk Creek and the tributaries classified as to location. Table 3 indicates that the highest grade alluvial material is carried into the basin from the southeast, by streams heading in the northeasterly-trending belt of enriched bedrock mentioned above.

It is evident from the tables that, insofar as the values in the modern streams are concerned, the White Hawk Basin deposit is in general comparable in grade with deposits considered to be minable elsewhere in Idaho. Exploration to determine the thickness of the deposits and the grade in depth, undertaken prior to the geologic study, seems to have been justified by the surface showings. The shallow depth and limited yardage indicated by the Cosumnes drilling, and the inaccessibility of the Basin, eliminate the possibility of operating a large dredge. Depending on the demand for the minerals, the deposit may be minable with light equipment.

Exploitation Possibilities

Recoverable reserves

The black sand concentrates produced at the Cascade pilot screening-gravity concentration plant consisted of heavy minerals including magnetite, ilmenite, garnet, monazite, zircon, radioactive blacks, columbium-tantalum, and others.

Ten small samples cut from the black sand concentrate samples from each drill hole were submitted to Dr. J. Hoover Mackin, Department of Geology, University of Washington. Under his supervision John F.

Kolars, graduate student, made mineral separation determinations of the minerals in the concentrate by grain count. The procedure is outlined in table 4.

The weighted average of the determinations of the ten samples indicates the original gravel contains the following minerals per cubic yard:

Monazite	0.78	lbs/cu.yd.
Radioactive black	0.13	do
Other Cb ?	0.15	do
Magnetite	1.0	do
Ilmenite	3.0	do
Garnet	5.0	do
Total black sand concentrate	16.0	do

Please refer to tables 2 and 3 for details.

Map 1 shows roughly the boundaries of the area drilled. Delineation of the deposit was based largely on topography and occasional panning.

The area measured on the map with a planimeter indicated about 765,400 square yards. Because the holes were irregularly spaced the arithmetical average depth of 12.9 feet for the ten drill holes was used for computing the cubic yardage.

765,400 sq. yards x 12.9 feet = 3,291,200 cu. yds.

Say, <u>3,300,000 cubic yards</u>

The deposit is considerably larger because only a portion of it was drilled.

The following total estimated mineral content of that portion of the drilled deposit is based on mineral grain count of samples by Mr. Kolars:

Monazite	$\frac{0.78 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	1,287.0 tons
Radioactive blacks	$\frac{0.13 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	214.5 tons
Other Cb ?	$\frac{0.15 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	247.5 tons
Magnetite	$\frac{1.0 \text{ lb.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	1,650.0 tons
Ilmenite	$\frac{3.0 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	4,950.0 tons
Garnet	$\frac{5.0 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	8,250.0 tons
Black sand concentrate	$\frac{16.0 \text{ lbs.} \times 3,300,000 \text{ cu.yd.}}{2,000}$	=	26,400.0 tons

Usually a minimum of 1 pound of monazite per cubic yard of gravel under average conditions is generally considered the break-even point to placer mine when monazite is $375 per ton or 18-3/4 cents per pound.

A composite sample of the ten drill hole samples was submitted to the Porter Bros. Corporation laboratory at Boise, Idaho, for further benefiaiation into the several concentrates by magnetic separation procedures. See appendix for "Procedure Used by Porter Bros. Corporation for Concentrating Black Sand Concentrates" which gives the details of the treatment procedure.

Eight major products were recovered and further concentrated by tabling at the Bureau of Mines laboratory at Albany, Oregon, and the various products were analyzed. See table 7 for detailed results of these tests.

A nonmagnetic product was recovered which assayed 41.9 percent columbium, 4.1 percent tantalum, and 3.9 percent uranium oxide and represented 2.648 percent of the black sand weight. This is equivalent to 0.2751 pounds of combined columbium and tantalum pentoxides per cubic yard of original gravel. Agents for General Services Administration purchase 50 percent combined columbium and tantalum pentoxide concentrates or ores at the rate of $3.40 per pound. Assuming this product can be upgraded 4 percent to 50 percent, the recoverable

columbium-tantalum concentrates will have a value of $0.935 per cubic yard of gravel. Approximately 78 percent of the columbium and 10 percent of the tantalum are calculated to have been recovered in a columbium-tantalum concentrate from the available analyses.

A monazite nonmagnetic concentrate assaying 45.7 percent rare earth oxides was recovered which should be upgraded to at least 55 percent to be marketable. Approximately 0.35 pounds of rare earth oxides per yard of gravel was recovered, equivalent to 0.53 pounds of 60 percent monazite, which at 18.75 cents per pound would increase the recoverable value of the gravel about 9.9 cents per cubic yard for a total value of about $1.034. Monazite recovery was not calculated because of lack of sufficient important sample analyses.

The drilled portion of the deposit is calculated to have a gross recoverable value of about $3,412,000.

3,300,000 cu. yds.	@	0.2751 lbs. $(Cb,Ta)_2O_5$/cu.yd.	=	907,830 lbs.
907,830 lbs.	@	$3.40/lb. = $3,086,620		
3,300,000 cu. yds.	@	0.53 lbs. monazite/cu.yd.	=	1,749,000 lbs.
1,749,000 lbs.	@	$0.1875/lb. = $ 327,940		

The other products were too low grade to be marketable and were not considered in evaluating this placer deposit.

The results of the Porter Bros. Corporation and Bureau of Mines tests are considered superior to the grain count estimates because the tests indicate actual recovery of the products from the black sand concentrates with chemical analyses of them. The grain count method indicates total mineral content instead of recoverable mineral amounts.

The operator was fearful that an early heavy snowfall might prevent removal of the drill and camp, and as a consequence all haste was made to complete the drilling as rapidly as possible. Actually, the project should be considered only as a preliminary reconnaissance of the area because the ten holes which were drilled in 5 days are not considered adequate to cover the whole area.

Summary of Factual Data

Work

The contract was in the amount of $20,004 of which $18,003.60 was to be the Government's participating share. The final audit of the accounts shows $8,881.79 was spent on the project of which amount the Government contributed $7,942.91.

Ten 22-inch diameter clamshell drill holes were drilled aggregating 129 lineal feet and excavated about 12.6 cubic yards of gravel samples. Final calculations show an over-all drilling cost of $68.85 per foot, equivalent to $704.96 per cubic yard of gravel samples excavated.

The unit costs include access road building, labor and supervision, supplies, equipment depreciation, new buildings, improvements, equipment repairs, sampling, pilot plant operation, and lodging and board for the crew which accounts for the high apparent costs.

Approximately 3 cubic yards of drill hole gravel samples were concentrated in the Cascade pilot plant.

Equipment

The following items of equipment were purchased new for Contracts Idm-E351 and Idm-E350 and are stored at the Surcease Mining Company warehouse, Randsburg, California. Equipment charges were to be divided equally between the two contracts.

Item	Purchase price
10 steel casing, 22" OD x 11/32" x 3' long 10 steel couplings, 1"x6"x5", 10 - 11/16" bent)	$1,685.13
1 drive shoe) 1 drive cap)	465.55
1 fabricated steel pulling head	429.27
2 #15 Vulcan pipe tongs	130.20
2 25-ton hydraulic jacks	160.60
	$2,870.75

The casing, couplings, drive shoe, and drive cap were custom built by the Yuba Manufacturing Company, San Francisco, California, and although never used, probably will have little resale value.

The operator has waived its equity in this equipment.

The equipment has been advertised for sale and bids have been solicited from likely prospective purchasers without success.

Since the casing, coupling, and drive shoe and cap are custom made, the final disposition will probably be for scrap.

DISCUSSION OF CONCLUSIONS

The operator was well equipped with a 22-inch clamshell bucket drill, portable air compressor, trucks, and a competent experienced drill crew.

The actual drilling and sampling were completed in 5 days. Construction of the access road to the drill sites was more difficult than anticipated and was delayed somewhat by the Forest Service demanding rigid specifications for a road that would only be used several times. In spite of these difficulties, the project was completed promptly and at less than half the anticipated contract cost.

The operator, represented by Mr. Merrill Yost, general manager, is a competent placer dredging operator with many years experience. In haste to accomplish the job and get out of the woods, the location was not well planned on a grid.

Concentration of the drill hole samples to black sand concentrates at the Cascade pilot plant was reasonably well done. Separation of the black sands into the various separate mineral concentrates was beyond the ability of the operator and its equipment facilities. Final separations were made at the especially equipped laboratories of Porter Bros. Corporation at Boise, Idaho.

The results of the drilling of a portion of this placer deposit together with beneficiation tests of drill hole samples indicate about 3,300,000 cubic yards containing a recoverable marketable columbium-tantalum concentrate amounting to approximately 0.275 pounds per cubic yard and 0.53 pounds of subgrade monazite concentrate which can probably be upgraded to a salable product. The gross value of these concentrates is estimated to be about $3,412,000.

A dragline-washing plant would probably be the best means of mining this deposit to produce a black sand concentrate for further beneficiation in a magnetic separation plant elsewhere. The tonnage of concentrates to be shipped to a magnetic separation plant would be relatively small because of the low magnetite, ilmenite, garnet, and zircon content of the gravel.

The operator concluded that the deposit was too shallow and yardage inadequate for a bucketline-type dredge and did not choose to continue with Stage II.

A field reconnaissance of the entire deposit to determine its extent is recommended, and if of sufficient areal size should probably be thoroughly sampled.

A Certification of Discovery or Development is recommended.

Enclosures
Distribution: DMEA(4); USBM(5); USGS(SRO); Kaiser; Mackin; Bardill; Armstrong; docket

APPENDIX

Contents

Detailed Summary of Project Costs

Map of Drill Hole Locations of the White Hawk Placer Deposit*

Table 1 - Summary of Clamshell Drilling and Pilot Washing Plant*

2 - Summary of Estimates of Contents of Black Sand Concentrates and Gravel

3 - Detailed Description of Heavy Mineral Contents of Drill Hole Samples

4 - Procedure Used in the Mineralogical Analysis of the Drill Hole Placer Composites

5 - Common Heavy Minerals

6 - Economic Minerals

7 - Summary of Beneficiation Tests on Composite Sample of White Hawk Basin Placer Black Sand Concentrates*

Procedure Used by Porter Bros. Corporation for Concentrating Black Sand Concentrates

Copies of field logs of all drill holes*

* In folder

APPENDIX

Detailed Summary of Project Costs

Costs to drill 129 lineal feet of holes, sample and concentrate approximately 3 cubic yards of gravel sample in the pilot plant.

Item		Total Cost	Unit cost per foot of hole including sampling and sample concentration	
(1) Bulldozing - access road building		$2,700.00		$20.93
(2) Labor & Supervision				
Labor	$1,354.29		$10.50	
Supervision	360.00	1,714.29	2.79	13.29
(3) Operating Materials & Supplies				
Gas and oil	370.16		2.87	
Misc. supplies	51.20		0.40	
Sample plant supplies	79.52	500.88	0.61	3.88
(4) Operating Equipment				
Depreciation		303.95		2.37
(5) New Bldgs., Improvements, etc.		1,170.66		9.07
(6) Miscellaneous				
Repairs to equipment	586.22		4.54	
Sampling & analysis	601.50		4.66	
Payroll taxes	72.00		0.56	
Accounting services	50.00		0.39	
Lodging & board at work site	1,118.00		8.66	
Liability ins.	64.29	2,492.01	0.50	19.31
GRAND TOTAL		$8,881.79		$68.85

Seven hundred ninety-seven man hours were expended on this project, equivalent to 6.18 man hours per foot of hole drilled.

Note: The unit costs appear excessive but transportation of equipment to and from California is included, cost of trucking samples from the drill site to the pilot plant at Cascade, purchase of casing that was not used because of late arrival, excessive truck repair costs, etc.

(These costs have been taken from the final audit which has been approved by Washington, D. C.)

TABLE 3

Docket No. DMEA 2264
Contract Idm-E350

DETAILED DESCRIPTION OF HEAVY MINERAL CONTENTS OF DRILL HOLE SAMPLES

By John F. Kolars

Drill Hole WHB-AY

1. 60% garnet; 28% il; 10% qtz waste; 2% Cb (?)
2. Trace garnet; 100% mgt.
3. 2% garnet; 98% il.
4. 55% garnet; 45% il.
5. 40% xenotine; 5% garnet; 5% leucoxene; 10% il (approx.); 38% Cb (?); 2% radio-blacks.
6. 75% monazite; 2% epidote; 1% hematite after mgt; 18% radio-blacks; few mafic blacks; 2% il.(?); 1% columbite (?).
7. 20% sphene; 40% monazite; 30% apatite and/or waste qtz; few malacon; 1% spinel; 3% zircon; 2% anatase; 5% assorted dark waste; very few radio-blacks.
8. 25% qtz; 75% feldspars.

Drill Hole WHB-2

1. 40% qtz; 3% sphene; 35% garnet; 22% il.
2. Few garnet; 1 sphene; 100% mgt.
3. 8% garnet; 1% hem. after mgt; 91% il.
4. 65% garnet; 35% il.
5. 35% xenotine; 55% Cb (?); 10% il; very few garnet.
6. 68% monazite; 1% epidote; 20% radio-blacks; 4% Cb (?); 7% mafic blacks.
7. 2% zircon; few radio-blacks; 5% leucoxene; 10% micas & waste; 10% qtz waste and/or apatite; 25% monazite; 45% sphene; few anatase and spinel; few malacon.
8. 35% qtz; 65% feldspars.

Drill Hole WHB-4

1. 30% garnet; 35% qtz; 10% Cb (?); 25% il.
2. 100% mgt.
3. 8% garnet; 2% hematite after magnetite; 90% il; very few epidote.
4. 40% ilmenite; 60% garnet; few grains hematite after mgt.
5. 25% xenotine; 5% mz; very few garnet; 2% pseudomorphs after pyrite; qtz waste, epidote; few hematite after mgt; 8% ilmenite; 60% columbite (?).
6. 70% monazite; 20% radio-blacks; 2% epidote; 5% columbite (?); 3% mafic blacks.
7. 55% monazite; 15% sphene; 20% apatite; 3% zircon; 5% micas & waste; few malacon; few anatase; 1% spinel; 1 grain radio-blacks.
8. 75% feldspars; 25% qtz.

Drill Hole WHB-6

1. 45% garnet; 20% qtz waste; 33% ilmenite; 2% columbite (?).
2. 100% mgt.
3. 10% garnet; few hematite after mgt; 90% ilmenite.
4. 60% garnet; 40% ilmenite.
5. 30% xenotine; 15% garnet; 45% columbite (?); 10% ilmenite.
6. 1% epidote; 65% monazite; few hematite after mgt; 5% columbite (?); 20% radio-blacks; 10% mafic blacks.
7. 5% zircon; 3% malacon; 35% monazite; 1/2% spinel; 15% qtz waste and/or apatite; 10% dark waste; 30% sphene; few radio-blacks; trace columbite (?).
8. 40% qtz; 60% feldspars.

Drill Hole WHB-10

1. 65% garnet; 8% micas and qtz waste; 27% ilmenite.
2. 5% garnet; 95% mgt.
3. 10% garnet; 5% hematite after mgt; 85% ilmenite.
4. 82% garnet; 18% ilmenite.
5. 35% xenatine; 5% garnet; few mafic blacks; 60% columbite (?).
6. 80% monazite; 2% epidote; 11% radio-blacks; 7% mafic blacks and dark waste; trace columbite (?).
7. 25% monazite; 3% zircon; 15% sphene; 10% dark waste; very few columbite (?); 46% apatite and/or qtz waste; few spinel; 1% anatase; very few malacon; few mica; trace radio blacks.
8. 65% - 70% feldspars; 35% - 30% qtz.

Drill Hole WHB-11

1. 5% pseudomorphs after pyrite; 40% garnet; 50% ilmenite; 5% qtz; few micas.
2. Few garnet; 100% mgt.
3. 5% garnet; 5% hematite after mgt; trace monazite (xenotine ?); 90% ilmenite.
4. 75% garnet; 25% ilmenite.
5. 45% garnet; 18% xenotine; 2% hematite after mgt & pseudomorphs after pyrite; 5% ilmenite (some leucoxene after ilmenite)
6. 70% monazite; 2% epidote; 1/2% pseudomorphs after pyrite; 2% ilmenite & leucoxene after ilmenite; trace garnet; 20% radio-blacks; 5% dark waste (mafic blacks); few (?) columbite.
7. 35% monazite; 25% sphene; 3% zircon, 25% qtz waste and/or apatite (some micas); trace spinel; 2% anatase; few malacon; 10% dark waste (trace il (?)); trace radio-blacks.
8. 20% qtz; 80% feldspars.

Drill Hole WHB-12

1. 5% sphene; 1 or 2 grains radio-blacks; 45% garnet; 45% ilmenite; few columbite (?).
2. 100% mgt.
3. 5% garnet; 95% ilmenite; few hematite after mgt.
4. 65% garnet; 35% ilmenite.
5. 65% garnet; 8% xenotine; 17% il/10% columbite (?) (this ratio approx.);
6. 80% monazite; 2% epidote; 13% radio-blacks; 5% mafic blacks; few to very few leucoxene; trace columbite (?).
7. 2% cinnabar (?); 4% zircon; 35% monazite; 25% sphene; 25% qtz and/or apatite; 9% dark waste (includes a few anatase, spinel, leucoxene; 1 grain Au; 1 grain radio-blacks; 1% malacon.
8. 55% feldspars; 45% qtz.

Drill Hole WHB-13

1. 45% garnet; 30% qtz; few columbite (?); few mafic blacks; 25% ilmenite.
2. 100% mgt.
3. 8% garnet; trace hematite after mgt; 92% ilmenite.
4. 80% garnet; 20% ilmenite.
5. 5% garnet; 40% xenotine; 40% columbite (?); 10% ilmenite; 5% mafic blacks.
6. 1/2% epidote; 78% monazite; 4% radio-blacks; 14% mafic blacks; 1/2% columbite (?); 2% qtz.
7. 35% monazite; 1% zircon; few sillimanite; 10% sphene; 15% dark waste (undoubtedly many mafic blacks including allanite); 40% apatite and/or qtz waste.
8. 50% qtz / 50% feldspars.

Drill Hole WHB-14

1. 15% qtz; 40% garnet; 1 grain columbite (?); 10% mafic blacks; 35% ilmenite.
2. Few garnet; 1 grain monazite; 100% mgt.
3. 8% garnet; 1% hematite after mgt; 91% ilmenite.
4. 60% garnet; 40% ilmenite.
5. 7% xenotine; 53% garnet; 25% ilmenite; 10% columbite (?).
6. 2% epidote; 1% leucoxene; 80% monazite; few columbite (?); 10% radio-blacks; 7% mafic blacks.
7. 35% monazite; 20% sphene; 5% leucoxene; 1% zircon; 15% pale waste; (some malacon); very few spinel; 2% anatase; 15% mafic blacks and assorted dark waste; 5% qtz and/or apatite; few radio-blacks.
8. 40% qtz / 60% feldspars.

Drill Hole WHB-16

1. 50% garnet; 20% qtz; 1 grain sphene; 30% ilmenite.
2. Very few xenotine; 100% mgt.
3. 6% garnet; 1 grain monazite; few hematite after mgt; 94% ilmenite.
4. 80% garnet; 20% ilmenite.
5. 30% xenotine; 4% garnet; 30% columbite (?); 15% mafic blacks; 21% ilmenite.
6. 80% monazite; 1% epidote; few columbite (?); 12% radio-blacks; 7% mafic blacks.
7. 40% monazite; 10% sphene; 0.0 + zircon; 35% qtz and/or apatite; few malacon; few spinel; very few anatase; 15% dark waste and/or mafic blacks.
8. 80% feldspars / 20% qtz.

TABLE 4

Docket No. DMEA 2264
Contract Idm-E350

Procedure Used in the Mineralogical Analysis of the Drill Hole Placer Composites

The following procedure is used by the U. S. Geological Survey in the study of placer samples from deposits in west-central Idaho. The pan or table concentrate samples are weighed dry and the weight is recorded. The sample is then cut to approximately 10 grams by use of a Jones splitter. The "10 gram" split is then separated as follows:

Step #1. A hand magnet separates the "10 gram" split into magnetite and non-magnetite fractions.

Step #2. A 20 mesh screen separates the non-magnetite fraction into plus and minus 20 fractions.

Step #3. A heavy liquid, bromoform, divides the minus 20 fraction into a bromoform sink product including all the heavy minerals and a bromoform float product including quartz, feldspar, mica, and other light minerals.

Step #4. A Frantz Isodynamic Magnetic Separator is used to fractionate the bromoform sink product. A relatively high angle forward slope, 35°, and cross tilt, 30°, are used on the Frantz separator chute. Contamination and loss at these high angles is prevented by covering the chute. By varying the amperage at constant voltage, 110 volts DC, the bromoform sink product is split into five products, as follows:

"Ilmenite fraction", 0.2 3/4 amps., dominantly ilmenite.

"Garnet fraction", 0.4 amps., dominantly garnet and ilmenite.

"Mafic mineral fraction", 0.5 amps., dominantly hornblende, also allanite, xenotime, columbite, etc.

"Monazite fraction", 0.8 amps., dominantly monazite and epidote, also euxenite, etc.

Frantz heavy mineral tailings fraction, dominantly sphene, apatite and zircon, also anatase, kyanite, leucoxene, sillimanite, spinel, rutile, etc.

By these methods, the "10 gram" split is divided into final fractions, as follows:

Fraction #1. Non-magnetite, plus 20 mesh.

Fraction #2. Magnetite.

Fraction #3. Frantz "ilmenite fraction".

Fraction #4. Frantz "garnet fraction".

Fraction #5. Frantz "mafic mineral fraction".

Fraction #6. Frantz "monazite fraction".

Fraction #7. Frantz "heavy mineral tailing fraction".

Fraction #8. Bromoform float product, light minerals.

Step #5. All of the fractions are weighted to a $\pm$ 0.01 grams and the weights recorded. The fractions usually contain more than one mineral, and while most of the grains of any given mineral are usually in the same fraction, some grains of the given mineral may be in the adjoining fractions. For this reason, visual estimates are made under a binocular microscope of the percentage of each mineral type in each fraction. From these, the percentage weights of minerals in the heavy minerals portion of the "10 gram" split are computed. These percentage weights also represent the percentage weights of minerals in the heavy minerals portion of the original pan concentrate. Pounds per cubic yard represented by the heavy minerals in the original sample are computed from the weight of the pan concentrate less the weight of the light minerals and constants depending upon the pan size used. The weight of the light minerals is calculated from the weight of the bromoform float product. Finally, the percentage weights of the various minerals are recalculated in terms of pounds per cubic yard.

Fragments of euxenite are readily and accurately recognized by treating a part of each #6, 0.8 amp, fraction with hydrofluoric acid as follows: A representative split is cut out of the #6 fraction; it is covered with several drops of 48% HF in a polyethylene dish; it is allowed to react for about two minutes at room temperature and then is rinsed with water, dried, and examined under the microscope. Euxenite is coated with a thick fragile green- or blue-tinted white reaction rind which makes it distinguishable from all other HF reactants. Yellow monazite, which is unaffected, is readily and positively distinguished from sphene, which takes on a thin white frosty HF reaction coating.

TABLE 5

Common Heavy Minerals

	Samples	Total Conc. Lbs./cu.yd.	% Magnetite	% Ilmenite	% Garnet	% Monazite	% Euxenite	% Columbite
White Hawk Creek	6	23	25	21	41	9	2.6	1.2
Minor tributaries	19	10	19	22	46	8	0.4	1.0

TABLE 6

Economic Minerals

	Samples	Total Conc. Lbs./cu.yd.	% Monazite	% Euxenite	% Columbite	Monazite	Euxenite	Columbite
						Pounds, cu.yd.		
White Hawk Creek	6	23	9	2.6	1.2	2.0	0.6	0.3
Tributaries, SE	13	7	9	0.7	1.9	0.7	0.05	0.15
Tributaries, North	3	10	7	0.4	1.0	0.7	0.04	0.1
Tributaries, East	3	20	5	Tr	Tr	1.0	Tr	Tr

PROCEDURE USED BY PORTER BROS. CORPORATION
FOR CONCENTRATING BLACK SAND CONCENTRATES
BOISE, IDAHO

The procedure employed in beneficiation of black sands is outlined below.

1. Screen on 20 mesh, crush the plus 20 mesh to minus 20 mesh in a set of laboratory rolls, and combine the two fractions of black sands.

2. Attrition the material in a laboratory size WEMCO attrition mill for 20 minutes at 80% solids.

3. Deslime the attritioned product by decantation to simulate classification at 100 mesh.

4. Dry both fractions and weigh the slime portion.

5. Pass the sand through a Dings magnetic roll to remove magnetite as a finished product.

6. Pass the non-magnetic from Step 5 through a laboratory inducted roll (Magnetic separator) to remove an ilmenite garnet concentrate of low monazite and columbium mineral value. This separation is obtained by employing a low magnetic flux in the machine and several passes are required to yield a product suitable to be discarded. The ilmenite garnet fraction is the magnetic fraction.

7. Pass the non-magnetic product from Step 6 through the laboratory induced roll at maximum magnetic flux to produce a rejectable quartz-zircon concentrate (non-magnetic).

8. Pass the magnetic fraction from Step 7 through a laboratory electrostatic separator to produce a monazite fraction and a columbium fraction. Several passes are required to effect a satisfactory separation, and the cleaner tails produced are retreated, so that only the two final products result from the separation.

9. Pass the monazite fraction from Step 8 through a crossbelt separator set to pull minerals of greater magnetic susceptibility than monazite, thereby producing a non-magnetic product containing the greater part of the monazite.

10. The monazite fraction from Step 9 was tabled to produce a finished monazite concentrate and a rejectable tailing.

11. Pass the columbium fraction from Step 8 through a crossbelt separator set to pull ilmenite, garnet, and other minerals of higher magnetic susceptibility than columbium-bearing minerals to produce a non-magnetic fraction containing the greater part of the columbium minerals. As the non-magnetic fraction was of insufficient weight to allow for a satisfactory table separation, these products have been shipped as is. Actually, a gravity separation is required on these samples to separate the columbium minerals from sphene, quartz, etc.

The outline above briefly describes the concentration procedures employed on these samples and simulates the proposed treatment on Bear Valley black sands. We have found that in semi-continuous operation, we are able to make a much better separation than when treating small samples in a batch operation such as was required on these samples.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

Defense Minerals Administration
RECEIVED
JUL 30 1954

July 28, 1954

Air Mail

Mr. G. M. Standifer, President
Cosumnes Gold Dredging Company
262 W. Santa Inez
San Mateo, California

Re: Docket No. DMEA-2264
White Hawk Basin
Contract Idm-E350
and
Docket No. DMEA-2265
Paddy Flat
Contract Idm-E351

Dear Mr. Standifer:

We are sending you a digest of analyses made on samples from the Paddy Flat and White Hawk Basin deposits. These have been made at the request of the Field Team and were charged to Contracts Idm-E350 and Idm-E351.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: DMEA (2)
USBM (2)

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

July 28, 1954

Memorandum

To: File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-2264
Contract No. Idm-E350
(Monazite, Columbium-tantalum)
Cosumnes Gold Dredging Co.
White Hawk Placer claims
Valley County, Idaho

Mr. Weissenborn, Executive Officer, Region II, phoned today following up call placed to him on July 27, and conversation was substantially as follows:

Weissenborn: I will have one copy of the final Field Team report in the mail today (Air Mail, Special Delivery) and the other copies of the report will be sent by slow mail.

Knouse: That will be very good.

Weissenborn: Our files show that the Operator has released his interest in the land concerned in the contract.

Knouse: That clarifies that point.

Weissenborn: We have learned that funds were withheld to cover the cost of the analytical work except for some test work done by Porter Bros. and some additional work being done by the Bureau of Mines.

Knouse: Then you will send a copy of the analytical work which the Operator participated in paying for to him?

Weissenborn: Yes, if you see no objections.

Knouse: If the Operator paid for his share of the cost, he should have the results of the work for which he paid his share.

Weissenborn: Then I won't send him the results of the work done by Porter Bros. and the work now being done by the Bureau?

Knouse: That is correct.

Weissenborn: I will have a copy of the analytical work in the mail addressed to Standifer today.

F. L. Knouse

F. L. Knouse

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

July 27, 1954

Memorandum

To: Files

From: F. L. Knouse, Mining Engineer
Rare & Miscellaneous Metals Division

Subject: Docket No. DMEA-2264 (Monazite and Columbium-tantalum)
Contract No. Idm-E350
Cosumnes Gold Dredging Co.
White Hawk Placer claims
Valley County, Idaho

Telephone conversation with Mr. Weissenborn, Region II, covering the following -

Mr. Weissenborn was advised we have a Congressional inquiry concerning this case.

Q. When can we expect final Field Team report?

A. Possibly Friday, but not later than Monday.

Q. Will the analytical data for the drill hole samples be included in the report?

A. Yes.

Q. Will a copy of this data be sent to the Operator?

A. No.

Q. Will the Operator pay his share of the cost for the analytical work on the samples and have you withheld funds for this purpose?

A. I am not sure if funds were withheld for this purpose - if they were, he will receive a copy of the analytical data. I will, however, check on this point and teletype you an answer early tomorrow.

Q. Did the Operator release his interest in the property concerned in the contract?

A. I am almost sure he did, but will verify and advise by teletype also.

Q. Do you plan to recommend that a certificate of discovery or development be issued?

A. Yes.

F. L. Knouse

F. L. Knouse

GRACIE PFOST
1ST DISTRICT, IDAHO
OLD HOUSE OFFICE BUILDING
ROOM 139

7/27/54 gla

COMMITTEE:
INTERIOR AND INSULAR AFFAIRS

SUBCOMMITTEES:
IRRIGATION AND RECLAMATION
MINES AND MINING
PUBLIC LANDS

Congress of the United States
House of Representatives
Washington, D. C.

July 26, 1954

DOCKET FILE

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Enclosed is a letter from Mr. John Eaton of Cascade, Idaho, in reply to your letter of July 9th, which I sent to him on July 10th. Your reference is Docket No. DMEA-2264, Contract No. Idm-E350.

In view of the fact that neither the operator nor the Consumnes Company is currently operating, I feel Mr. Eaton's request that the information be made available directly to him is not an unreasonable one.

Will you kindly check into this matter and let me know what can be done, returning to me at that time the enclosed letter from Mr. Eaton.

Sincerely,

Gracie Pfost

GRACIE PFOST
Member of Congress

Enc.

JOHN EATON COMPANY

Main at Pine Streets Telephone 123

Cascade, Idaho

July 22, 1954

Hon. Gracie Pfost
House of Representatives
Washington D.C.
Dear Mrs. Pfost:

I have your letter of July 10th with the attachment from C.O.Mittendorf relative to Docket No. DMEA-2264, Monazite, Columbium, Tantalum. Contract No.IDM-E350 and I wish to thank you for your,cooperation and help.

However Mr. Mittendorf states and I quote:"such data are not made available to others but we have no objection to the OPERATOR furnishing the owner of the property with a copy of these analyses when they are received, or we shall be glad to send him a copy upon written request of the Operator." Unquote. The above quote of course refers to information gained from the analyses of the samples taken from the property.

I do not know the present whereabouts of the operator and I am of the opinion that the Consumnes Company is not currently operating. It is therefore very difficult for me to contact them.

I cannot understand why the owner of the property isn't entitled to this information when available particularly in this case where the operator expressed disinterest in the property and failed to make the final reports required under the terms of the contract with the IDM. It would seem to me that the locators and/or owners of the property should have this information for a number of very patent reasons that I won't discuss but that I am sure you appreciate.

We have several companies interested in this ground and of course are anxious to get some income from it if the values warrant investment.

We will certainly appreciate anything that you can do to get these reports forus and as soon as possible as the season is very short here.

Yours very truly,
John Eaton
/s/ John Eaton

c
o
p
y

Surname Acc

F.L. Knouse

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

Hon. Gracie Pfost
House of Representatives
Washington 25, D. C.

JUL 9 1954

Re: Docket No. DMEA-2264 (Monazite columbium-tantalum)
Cosmos Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract No. Ida-1350

My dear Mrs. Pfost:

This is in reply to your letter to me of July 1, with which you enclosed a letter to you dated June 23, 1954, from Mr. John Eaton, John Eaton Company, Cascade, Idaho.

I was advised by teletype today that the engineers' report would shortly be forwarded from our Spokane Regional Office. This report should contain the analytical data desired by the landowners.

I am enclosing a copy of a letter that was sent to Senator Welker in connection with this case which is referred to in Mr. Eaton's letter. This letter pointed out to Senator Welker that the information requested would be furnished to the Operator (Cosmos Gold Dredging Company) "upon fulfillment of certain obligations under the terms of the exploration project contract. Such data are not made available to others but we have no objection to the Operator furnishing the owner of the property with a copy of these analyses when they are received, or we shall be glad to send him a copy upon written request of the Operator."

To date the Cosmos Gold Dredging Company has not fulfilled the contract obligations referred to above. Neither have we received a written request from them to furnish the landowners a copy of the sample analyses when completed. It is suggested that possibly Mr. Eaton could obtain a letter from the Operator requesting that we furnish the landowners with the desired information or at least a statement that the Operator has no objection to our supplying such information to the landowners.

It is hoped the above will provide you with the necessary information for your reply to Mr. Eaton.

Sincerely yours,

C. O. Mittenderf
(for)
Administrator

FLKnouse/am
7-8-54
cc to: Adm.Reading File
Docket
Messrs.F. Lamb,Rm.3649
D.M.Larrabee
Rm. 5218
Code 700
Mr. Knouse
DMEA Field Team, Region II(2)

Enclosures

149 USGS WA

8/1

51 WA SP /I-GS-G/

SPOANE WASH 7-2-54 415P

MR. C. O. MITTENDORF

US GEOLOGICAL SURVEY WA

2265

REURTEL PADDY FLAT REPORT WILL BE SENT TO YOU BEFORE END OF WEEK.

WHITE HAWK WILL FOLLOW SHORTLY.

2264

A. E. WEISSENBORN, USGS, SP

VA 416P

Wire Message Received by _____

Date _____

Time _____

Please Sign and return to mail room B 208

GRACIE PFOST
1st District, Idaho

OLD HOUSE OFFICE BUILDING
ROOM 139

Congress of the United States
House of Representatives
Washington, D. C.

COMMITTEE:
INTERIOR AND INSULAR AFFAIRS

SUBCOMMITTEES:
IRRIGATION AND RECLAMATION
MINES AND MINING
PUBLIC LANDS

July 1, 1954

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Enclosed is a letter from Mr. John Eaton, of Cascade, Idaho, relative to

Docket #DMEA-2264
Monazite-Columbium-Tantalum
Consummes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract #IDM-E350

You will note Mr. Eaton says that Senator Welker informed him that early in February the final analysis of the samples had not been made at that time but was expected at an early date. Will you kindly check into this matter so I may give Mr. Eaton an immediate reply?

Sincerely,

Gracie Pfost

GRACIE PFOST
Member of Congress

JOHN EATON COMPANY
Main at Pine Streets, Cascade, Idaho

June 23, 1954

Re: Docket #DMEA-2264
Monazite-Columbium-Tantalum
Consumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract #IDM-E350

Representative Gracie Pfost
Capitol Building
Washington, D.C.
Dear Mrs. Pfost:

I am writing to you relative to the above described operation under the U.S.D.I., Defense Minerals Exploration Administration, at the request of the discover of the property inasmuch as the owners have been unable to obtain any information as to the results of the drilling and tests conducted under the supervision of the U.S.D.I.

I am sure that you appreciate the fact that prospecting entails a great deal of hard work and considerable expense. The locators feel that they should be advised if there are any values on the property in order that they can determine whether or not to continue with the required assessment work.

I had Senator Welker contact the Defense Minerals Administration early in February with regards to this property and have here a letter dated Feb. 25, 1954 from C. O. Mittendorf, Admn. stating that the final analyses of the samples had not been made at that time but was expected at an early date. However we have heard nothing.

This is a serious situation for the many locaters of mineral ground that are operating in thisarea and you may be sure that all of them are very upset and indigent because no information on the results of the drilling and tests are available to them. They feel that the owner and/ or locater should be among the first to have this information.

I would appreciate having you check on this and see if you can't get us some up to date information as to the results of the tests conducted under the DMEA contract.

Sincerely,
John Eaton
/s/ John Eaton

c
o
p
y

June 30, 1954

Memorandum

To: File

From: F. L. Knouse, Mining Engineer
Rare & Miscellaneous Metals Division

Subject: Docket No. DMEA-2264 (Monazite and Columbium-tantalum)
Contract No. Idm-E350
Cosumnes Gold Dredging Co.
White Hawk Placer Claims
Valley County, Idaho

Pursuant to the referral by Mr. Mittendorf's secretary of a telephone call from Miss Rishell of Congresswoman Gracie Pfost's office, I telephoned Miss Rishel today and explained the status of this case. She is forwarding landowner's letter for official reply.

F. L. Knouse

GLAult/a
cc to: Admr. Reading File
Code 700 contract file
Mr. Knouse
Blue chron

Surname 700

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

FLKnouse

T E L E T Y P E

FLKnouse

DMEA-Department of the Interior

XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXX

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

A. E. VAN ARSDALE, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION II
SUITE 157 HOWARD STREET
SPOKANE 4, WASHINGTON

RE DOCKETS 2264 AND 2265, COLUMBIA GOLD DREDGING COMPANY, ADVISE WHEN WE WILL RECEIVE FINAL FIELD TEAM REPORTS. INFORMATION REQUIRED FOR CONGRESSIONAL INQUIRIES.

C. O. Mittenderf

C. O. Mittenderf, Administrator

FLKnouse/am
6-30-54
cc to: Admr. Reading File
~~Operating Committee~~
DMEA Docket No. 2264
DMEA Docket No. 2265
Messrs. E. J. Carlson, Rm. 3649
D. M. Larrabee, Rm. 5218
Code 700 (2)
Mr. Knouse
Confirmation to Region II

R.C.

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

May 12, 1954

Josumnes Gold Dredging Company
Room 403
465 California Street
San Francisco, California

Re: Docket No. [illegible]-2264 (uranium and columbium-tantalum)
White Hawk Placer Claims
Valley Co., Idaho
Contract No. [illegible]-350

Gentlemen:

Transmitted for your information and files is your copy of an audit certificate and audit report for the period September 1, 1952, to November 30, 1952, by Robert E. Hill.

Sincerely yours,

A. J. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: [illegible]
[illegible] 2,
[illegible] ers
[illegible] Hill

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

APR 13 1954

Mr. Robert M. Hull
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Idm-4350, DMEA-2264
and
Idm-4351, DMEA-2265
Cosumnes Gold Dredging Co.

Dear Mr. Hull:

The final Audit Reports and Certificates, covering the referenced Exploration Project Contracts, as submitted under cover of your letter of April 1, 1954, are acceptable and normal distribution may be effected.

Our records, however, do not disclose the receipt of copies of the vouchers covering costs paid directly to assayers. Please request Mr. Hindman to forward copies of these vouchers for distribution in the same manner that is in effect for the Form MF-104.

Sincerely yours,

SIGNED

Jay L. Chambers, Chief
Contract Administration
and Audit Division

EDTalbert/wb
April 13, 1954

Copy to: Docket (2)
Admr. Reading File
Mr. Chambers

R.C.H.

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

RECEIVED
MAR 5 1954

March 1, 1954

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket DMEA-8864 (manganite)
Contract Idm-3550
Docket DMEA-8865 (manganite)
Contract Idm-3551
Consumers Gold Dredging Company
Valley County, Idaho

Dear Mr. Miller:

I wish to thank you for your letter of February 10 with reference to the equipment formerly owned by Consumers Gold Dredging Company.

We are contacting the two companies which Mr. A. C. Johnson of Region III suggested might make a bid on the equipment.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
DMEA (2)

Surname
Docket copy

708

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

F. L. Krause
Ellis
J. Johnson

FEB 25 1954

Hon. Herman Welker
United States Senate
Washington, 25, D. C.

Re: Docket No. DMEA-220d (Monazite-Columbium-Tantalum)
Consumers Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract No. Idm-1350

My dear Senator Welker:

This is in reply to your letter to me of February 8, with which you enclosed a letter to you dated February 4 from Mr. John Eaton, John Eaton Company, Cascade, Idaho. Mr. Eaton says:

> "This ground was located several years ago by two Idaho prospectors who have been here many years and who I regard as quite capable. They want this information inasmuch as there is considerable work and expense to the assessment work on the claims and if the area is without value and they know it they can turn their activities to prospecting in other areas."

Our docket file on the subject contract discloses that Mr. Eaton, the two prospectors, and several others own the land on which the Operator performed the exploration work, and that all owners executed an Owner's Consent to Lien.

Then the preliminary drilling under the contract was completed, the Operator expressed disinterest in the project and failed to make an adequate final report required by the contract. The Operator turned over to the Government the samples collected from drilling, to enable the Government to have them analyzed. The Government Field Team's final report, including the results of sample analyses, has not yet been submitted to us, but it is expected in this office at an early date.

Reports made by the Operator and the Government's Field Team are for the confidential use of the Government only, and are not made available to the public. However, in this case the results of the analyses of the samples turned over to the Field Team by the Operator, will be supplied to him upon fulfillment of certain obligations under the terms of the exploration project contract. Such data are not

R.C.H. 2-25-54

made available to others but we have no objection to the Operator furnishing the owner of the property with a copy of these analyses when they are received, or we shall be glad to send him a copy upon written request of the Operator.

Mr. Eaton's letter to you is returned pursuant to your request.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

Enclosure

FLKnouse/JLHofflund/FLKnouse/emd/gla
2-24-54
cc to: Docket
Adm. Reading File
E. J. Carlson, Rm. 3649
D. M. Larrabee, Rm. G-232, GSA
DMEA Field Team, Region II (2)
Code 700
F. L. Knouse
F. E. Johnson

DRAFT

Suggested change for second page of letter

Reports made by the Operator and the Government's Field Team are for the confidential use of the Government only, and are not made available to the public. However, in this case the results of the analyses of the samples turned over to the Field Team by the Operator, will be supplied to him upon fulfillment of ~~his~~ certain obligations under the terms of the exploration project contract. Such data are not made available to others but we have no objection to the Operator furnishing the owner of the property with a copy of ~~them~~ these analyses when they are received, or we shall be glad to send him a copy upon written request of the Operator.

Mr. Eaton's letter to you is returned pursuant to your request.

RECEIVED
FEB 19 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

I do not agree
Hoffslund

FILE COPY
SURNAME:

140

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

Rewritten by

FLKnouse
Ellis
Rubin
Hoffmann

Hon. Herman Welker
United States Senate
Washington 25, D. C.

Re: Docket No. DMEA-2264 (Monazite-Columbium-Tantalum)
Cosumnes Gold Dredging Company
The White Hawk Placer
Valley County, Idaho
Contract No. Idm-E350

My dear Senator Welker:

This is in reply to your letter to me of February 8, with which you enclosed a letter to you dated February 4 from Mr. John Eaton, John Eaton Company, Cascade, Idaho. Mr. Eaton says:

> "This ground was located several years ago by two Idaho prospectors who have been here many years and who I regard as quite capable. They want this information inasmuch as there is considerable work and expense to the assessment work on the claims and if the area is without value and they know it they can turn their activities to prospecting in other areas."

Our docket file on the subject contract discloses that Mr. Eaton, the two prospectors, and several others own the land on which the Operator performed the exploration work, and that all owners executed an Owner's Consent to Lien.

When the preliminary drilling under the contract was completed, the Operator expressed disinterest in the project and failed to make an adequate final report required by the contract. The Operator turned over to the Government the samples collected from drilling, to enable the Government to have them analyzed. The Government Field Team's final report, including the results of sample analyses, has not yet been submitted to us, but it is expected in this office at an early date.

In view of the interest of Mr. Eaton and the "two prospectors" in the property, there is no objection to furnishing them with the factual information contained in the pending report, particularly the results of assays which seem to be what is desired. As soon as this information is available it will be forwarded to Mr. Eaton in behalf of the owners of the property. An extra copy of this letter is enclosed so that you may forward it to Mr. Eaton if you wish.

Mr. Eaton's letter to you is returned herewith pursuant to your request.

Sincerely yours,

Administrator

Enclosure

FLKnouse/JLHofflund/HCRubin/emd
Copy to: Docket
Adm. R. File
C. O. Mittendorf
J. L. Hofflund
E. J. Carlson, Rm. 3649
Mr. Larrabee, Rm. G232,GSA
Field Team, Reg. II (2)
E. W. Ellis
~~J. L. Hofflund~~
H. C. Rubin
chron.
pending

FILE COPY
SURNAME:

Chambers

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

Memorandum

February 12, 1954

To: Administrator

From: Jay L. Chambers, Chief (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: Docket No. DMA-2264 (Monazite-Columbium-Tantalum)
Contract No. Idm-8350, Cosumnes Gold Dredging Company
The White Hawk Placer, Valley County, Idaho

I am returning to you a proposed letter to the Honorable Herman Welker, United States Senator of Idaho.

I believe that the proposed position taken in this letter that the land owner is not eligible to receive the results of the exploration project is untenable. If I were the land owner I certainly would like to know for my own protection, as well as for my satisfaction, the results obtained from an exploration project on my property.

I also believe that such information could be furnished the United States Senator with the explanation that it is not the policy to furnish such information outside of the Government, except to land owners and the project operators, and let him use his own discretion as to what disposition of the information he cares to make.

JLChambers/wb
February 12, 1954

Copy to: Docket
Admr. Reading File
Mr. Chambers
Mr. Ellis

Frank

1) I recall that we have given out assay results heretofore
Only to Operator & not to land

2) Contract provides that samples be analyzed

3) I find no reply to Region II letter dated July 24, 1953 which brings up this subject.

4) Chambers & Hoffland should see & surname final letter?

GEORGE D. AIKEN, VT., CHAIRMAN
MILTON R. YOUNG, N. DAK.
EDWARD J. THYE, MINN.
BOURKE B. HICKENLOOPER, IOWA
KARL E. MUNDT, S. DAK.
JOHN J. WILLIAMS, DEL.
ANDREW F. SCHOEPPEL, KANS.
HERMAN WELKER, IDAHO
ALLEN J. ELLENDER, LA.
CLYDE R. HOEY, N. C.
OLIN D. JOHNSTON, S. C.
SPESSARD L. HOLLAND, FLA.
CLINTON P. ANDERSON, N. MEX.
JAMES O. EASTLAND, MISS.
EARLE C. CLEMENTS, KY.
HARRY R. VARNEY, CHIEF OF STAFF

United States Senate

COMMITTEE ON
AGRICULTURE AND FORESTRY

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 9 1954

February 8, 1954

Administrator
Defense Minerals Exploration
Department of the Interior
Washington, D. C.

Dear Sir:

The enclosed letter from John Eaton of Cascade, Idaho, is self-explanatory.

I do not know whether it is possible under the law to furnish Mr. Eaton with the information he desires, but I would appreciate any information or material upon which to base a reply to him.

Please return the enclosed letter for my files.

Sincerely yours,

Herman Welker

HERMAN WELKER
U. S. Senator, Idaho

HW:sk
Enc.

C
O
P
Y

JOHN EATON COMPANY

CASCADE, IDAHO

February 4, 1953

Senator Herman Welker
U. S. Senate
Washington D.C.
Dear Herman:

I have, along with several others, about 2000 acres of claims in the Whitehawk Basin area which is approximately 90 miles to the east of Cascade. These claims contain some Manganite, Tantalum and columbium and have been tested under the direction of the United States Department of Interior, Bureau of Mines.

This is a Defense Minerals Exploration Administration project: Docket No. DMEA 226; and the claims are located in Valley County. This area was drilled under this project by the Consumers Gold Dredging Company in cooperation with the U.S.D.I.

I have tried repeatedly to get some information on the results of the drilling but to date have had nothing. I wrote to the U.S.D.I., Defense Minerals Administration at Spokane Washington and will quote from their letter of December 16, 1953:

"We regret that prevent regulations do not permit release of these results to the property owners or general public. Mr. C. M. Standifer, President of the Consumers Gold Dredging Company, is familiar with the results of this drilling and should be able to supply you with the requested information." Unquote.

I have contacted Mr. Standifer and in his letter to me from his New York Address he infers that he is not familiar with the results but suggested that I write to M. Yeat, engineer for his company, who was in charge of this exploration. I had already contacted Mr. Yeat and it was he who suggested that I write the U.S.D.I. stating that he did not have any knowledge of the samples as tested.

This ground was located several years ago by two Idaho prospectors who have been here many years and who I regard as quite capable. They want this information inasmuch as there is considerable work and expense to the assessment work on the claims and if the area is without value and they know it they can turn their activities to prospecting in other areas. If there is some good indication of values they are in a position to interest private enterprise in this property.

I cannot understand why the locators or property owner cannot have access to this information if it is available to others and I'd appreciate any thing that you can do to obtain the results of the tests so that I can pass them on to Mr. Parks and Mr. Darling the original locators.

Sincerely,

/s/ John

John Eaton

FILE COPY
SURNAME:

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

FEB - 1 1954

Mr. A. E. Weinsenhorn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2264 (Manganite)
Contract Idm-E350
and
Docket No. DMEA-2265 (Manganite)
Contract Idm-E351
Consumers Gold Dredging Company
Valley County, Idaho

Dear Mr. Weinsenhorn:

In your letter to the Chairman of the Operating Committee dated January 15, you inquire as to whether it would be possible to transfer to the Bureau of Mines title to some personal property which has passed to DMEA in the winding-up of the subject exploration project contracts. We are also in receipt of a copy of your letter dated January 21 to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, providing him with a list of the property and inquiring as to whether the Bureau of Mines would wish to take it over or would aid in disposing of it.

If you cannot dispose of the property by sale, the following steps should be taken:

1. Secure a waiver from the operator in favor of the Government. Any kind of hand signed document by the operator listing the property will suffice.

2. Ask the Bureau of Mines if it will assist in disposing of the property.

3. In case the Bureau cannot assist in the disposal, you may offer to transfer the property to the Bureau without remuneration.

4. In transferring the property to the Bureau of Mines, you should include an inventory. This transfer should be justified by outlining your efforts to dispose of the property, and saying that the Bureau has agreed to take over the property in the interest of the Government.

2-1-54

5. Three copies of this transfer should be sent to the Washington office, attention, Contract Administration and Audit Division. The Washington Office will make the required report to the Bureau of the Budget.

6. The Field Team's final report should contain an inventory of the transferred property and recite the justifying circumstances resulting in the transfer.

The above procedure is in accordance with section 202 (c) of the Federal Property and Administrative Services Act of 1949, and has the approval of the Division of Property Management of the Department.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JLB)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JLB)

s/ Philip W. Guild

Member, Geological Survey (JLB)

JLHofflund/emd
Rewritten, JLChambers/wb 1-29-54

Copy to: Docket (2)
Admr. Reading File
Operating Committee
J. H. Hedges
T. P. Thayer
J. L. Hofflund
J. L. Chambers
E. W. Ellis

FILE COPY
SURNAME:

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

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II
So. 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2264 (Monazite)
Contract Idm-E350
and
Docket No. DMEA-2265 (Monazite)
Contract Idm-E351
Cosumnes Gold Dredging Co.
Valley County, Idaho

Dear Mr. Weissenborn:

In your letter to the Chairman of the Operating Committee dated January 15, you inquire as to whether it would be possible to transfer to the Bureau of Mines title to some personal property which has passed to DMEA in the winding-up of the subject exploration project contract. We are also in receipt of a copy of your letter dated January 21 to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, providing him with a list of the property and inquiring as to whether the Bureau of Mines would wish to take it over or could aid in disposing of it.

This is the first instance in which title to property used on an exploration project contract has passed to DMEA, with a consequent problem of disposal. I am advised by Counsel for DMEA that if the Bureau wishes to take over this property, it undoubtedly can be transferred to the Bureau, although for lack of recent experience in this respect, the procedures to be followed are not known offhand. If the Bureau would like to take over this property, we will take the necessary steps to accomplish the transfer. If the Bureau is familiar with the procedure, it might be willing to draft the necessary papers for accomplishing the transfer.

JLHofflund/emd 1/28/54
Copy to: Docket (2) E.W.Ellis
Adm. R. File J.L.Hofflund
Op. Comm. chron.
J.H.Hedges pending
T. P. Thayer

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

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

1012 Flood Bldg.
870 Market Street
San Francisco 2, Calif.

January 27, 1954

Memorandum

To: A. C. Johnson, Bureau of Mines, Reno, Nevada

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2264 (Monazite) - Contract Idm-E350
Docket DMEA-2265 (Monazite) - Contract Idm-E351
Cosumnes Gold Dredging Co.
Valley County, Idaho

Attached is a copy of letter dated January 21, 1954, from Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, at Spokane, Washington, relative to certain equipment stored in the Surcease Mining Company's warehouse, Randsburg, California.

Will you please let us know if you might have use for this equipment, or if you have some idea as to how it can be disposed of for the Government's account.

S. Ricker for H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment

Copy to: DMEA, Washington (2)
A. E. Weissenborn, Spokane (2)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
No. 157 Howard Street
Spokane 4, Washington

January 21, 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA-2254 (monazite)
Contract Idm-5350
and
Docket No. DMEA-2265 (monazite)
Contract Idm-5351
Cosumnes Gold Dredging Co.
Valley County, Idaho

Dear Mr. Miller:

At the termination of work under the subject exploration project contracts, the Operator removed from the site of the work some equipment owned jointly by the Government and the Operator and stored it at the Surcease Mining Company warehouse, Randsburg, California, about 120 miles northeast of Los Angeles. He has informed us that he is unable to dispose of the material according to terms of the contracts and in the interest of settling the accounts has waived his interest in favor of the Government. The equipment is as follows:

Item	Purchase Price
10 steel casing, 22" OD x 11/32" x 9' long	$1,685.15
10 steel couplings, 1"x6"x5', 10-11/16" bent)	
1 drive shoe)	465.55
1 drive cap)	
1 fabricated steel pulling head	489.27
2 15 Vulcan pipe tongs	130.20
2 25-ton hydraulic jacks	160.60
	$2,870.75

The casing, drive shoe and drive cap, which make up the major items of equipment, have never been used and should be in good condition. They were custom made, however, and probably would have little resale value. As the valuation of this equipment is small

we hesitate to go to much expense for its disposal. We certainly think it would be too expensive to send one of our men to Kansburg for this purpose. If you have any use for this equipment, or can see where it could be of service to your personnel in future Bureau of Mines projects, we shall be glad to recommend that DMEA waive its interest in your favor. On the other hand, if you cannot use the equipment we would greatly appreciate your assistance in helping us dispose of it for the Government's account. Perhaps you are informed of mining companies or other concerns in the area that might have use for such equipment who would be interested in making an offer. In view of the extenuating circumstances of this case we do not believe it should be necessary to put these items up for bid. Instead, we believe DMEA should be satisfied with any offer that could be considered as being at all reasonable.

We have been trying to settle these contract accounts with the Operator for more than a year. However, despite our efforts there remains the problem of disposing of this jointly-owned equipment. We therefore would be deeply appreciative if you could find a use for this equipment in your own department or if you could help us dispose of it in some manner for the Government's account.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Hindman

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

January 15, 1954

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Separtment of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2264 (monazite)
Contract Idm-E350 and
Docket No. DMEA-2265 (monazite)
Contract Idm-E351
Consumnes Gold Dredging Company
Valley County, Idaho

Dear Mr. Selfridge:

This is in reply to your letter of December 30, in which you answer the questions which we raised about the disposition of some of the property which was used on the above two contracts. Our reason for taking possession of the property was that the operator had been unwilling to take steps to dispose of it himself. Returning the property to him and requiring him to dispose of it would serve no purpose, as the reason we took it was that he had not disposed of it.

The property consists of odd-sized casing and other material which is extremely difficult to sell unless it were possible to find a purchaser who happened to have need for this particular material at a particular time. Nevertheless, the material, under certain circumstances, would be useful. Since title now rests in the U. S. Government, would it be possible to transfer title to the U. S. Bureau of Mines, with the thought that they will be able to make use of the material in their regular activities? This might solve the problem and enable us to get the material out of the warehouse where it is now so that it can be stored either at some Bureau of Mines station, at Spokane, or elsewhere.

Please let me know if this would meet with your approval.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Armstrong

140

FILE COPY
SURNAME: 913

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

DEC 30 1953

Mr. A. L. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2204 (Monazite)
Contract Idm-2350
and
Docket No. DMEA-2205 (Monazite)
Contract Idm-2351
Cosumnes Gold Dredging Co.
Valley County, Idaho

Dear Mr. Weissenborn:

With your letter dated December 10 to the Chairman of the Operating Committee, there were enclosed photostatic copies of the Field Team's letter dated November 16 to the Operator which, in part, suggested that the Operator, in the interest of early settlement of the contracts, waive its ten percent interest in the jointly owned equipment, the waiver to be in the form of a letter from the president of the company. The Field Team's letter stated further that the Operator, in lieu of the waiver, could either repay the Government's share of the purchase price of the equipment ($2,870.75), or sell it at an acceptable price. The Operator returned the Field Team's letter with a notation thereon that "We agree to waive our interest in the above equipment in accordance with your letter." The letter to the Chairman of the Operating Committee stated that the equipment is stored in a warehouse located on the property of the Surrease Mining Company, Randsburg, California, which is about 120 miles northeast of Los Angeles, and concludes that, because of the expense that would be involved in selling the equipment, it should be declared surplus and disposed of by the General Services Administration. Your views in this matter are requested.

Under all DMEA contract forms, except the short form, the Operator takes legal title to the property acquired under the contract in his own name, and he is charged with disposing of the property upon completion of the work or termination of the contract. Therefore, as the Operator holds the legal title to the property, he may dispose of it and pass the legal title without any joinder by the Government. The usual method for the transfer of legal title

Rec'd 12-30-53

to personal property is by an instrument of sale, assignment, or transfer, as distinguished from a "waiver" of an interest in the property. However, in this case, as a waiver of the Operator's interest was requested and the Operator has given it, although informally, you may consider it as a sufficient authorization to dispose of the property.

Neither the DMEA contract forms nor procedures contemplate the disposition of property in which the Government has an interest through the channels of the General Services Administration. The procedures for disposing of property are outlined in DMEA Circular 30 and should be followed, whenever possible. The circular points out that, when exercising its contract authority to dispose of property, the Government disposes of the property for the interest of the Operator as well as for its own interest. The circular also points out that the Government may withhold from the last voucher up to ten percent of the Government's contribution under the terms of the contract until the property is disposed of, or may sue for damages.

In this case, as the Operator was granted the alternative of waiving its interest in the property, and as it has, apparently, been paid in full for the work, the avenues of requiring it to dispose of the property, to withhold payment of vouchers, or to sue for damages, appear to be closed to the Government, unless you choose to confess error to the Operator and require that it dispose of the equipment. Otherwise, the only recourse available seems to be for you to arrange for the disposition of the equipment.

Sincerely yours,

Chairman, Operating Committee

Approved:

HCRubin:ep 12-29-53

Copy to: Docket
Adm. Reading File
Operating Committee
Mr. E. J. Carlson, B/M
Mr. D. M. Larrabee, USGS
Mr. Ellis
Mr. Hofflund
Mr. Rubin
Chron.
Pending

Member, Bureau of Mines

Member, Geological Survey

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

1201 N. Division St.
Spokane 2, Washington
December 16, 1953

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Subject: Docket No. DMEA 2264 (monazite)
Contract No. Idm-E350
and
Docket No. DMEA 2265 (monazite)
Contract No. Idm-E351
Cosumnes Gold Dredging Co.
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed are two photostat copies of our November 10, 1953 letter to Mr. G. M. Standifer, President, Cosumnes Gold Dredging Co., the last page of which contains our request that the Operator dispose of jointly-owned equipment valued at $2870.75 or waive his equity in the equipment in order that it could be disposed of through regular Government channels. You will note that Mr. Standifer has written in a waiver in the lower left corner of the original copy of our letter and returned it.

In view of Mr. Standifer's uncooperative attitude in furnishing the Field Team with an acceptable final engineering report on the subject projects, it is doubtful that we could obtain a regular legal instrument and we would like your opinion as to the legality of this waiver.

The equipment is stored in a warehouse on the property of the Surrease Mining Co., Randsburg, Calif., about 120 miles northeast of Los Angeles.

Because of the expense that would be entailed by our attempting to sell the material we are of the opinion that it should be declared surplus and disposed of by the General Services Administration. Please let us have your views in the matter.

By Field Team, Region II

Thomas E. Howard
Thomas E. Howard, Acting Member
U. S. Bureau of Mines

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

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

1201 N. Division St.
Spokane 2, Washington
November 10, 1953

Mr. G. M. Standifer, President
Cosumnes Gold Dredging Company
262 W. Santa Inez
San Mateo, California

Subject: Docket No. DMEA 2264 (monazite)
Contract No. Idm-E350
and
Docket No. DMEA 2265 (monazite)
Contract No. Idm-E351
Cosumnes Gold Dredging Company
Valley County, Idaho

Dear Mr. Standifer:

Your letter of July 10, 1953, assured the Field Team that Mr. Yost would do everything possible in the way of furnishing satisfactory final reports on the Paddy Flat and White Hawk Basin projects even though, as your letter states, he is no longer on your payroll. We are in agreement that the field work was performed satisfactorily, but you can readily see that without an intelligible report of the results the work will be lost.

A Field Team representative, Mr. J. A. Bowsher, Bureau of Mines, contacted Mr. Yost on October 6, 1953 at the site of DMEA Contract No. Idm-E584, Verlon W. Vandeventer, and went over with him the requirements for acceptable final reports on the subject projects. Mr. Yost did cooperate to the extent of submitting under date of October 26, 1953, a three page account dealing mostly with the tests run on the Paddy Flat samples, but although we commend his efforts in this respect we cannot consider the additional information an acceptable final report on either of the two projects.

It is an inevitable conclusion of the Field Team at this time that you will not be able to render acceptable engineering reports as required under the subject contracts. We are attempting to reconstruct from the information you have furnished, our inspections of contract operations, and additional tests we are having run on the sample rejects from the two projects, evaluations of the results of the contract operations.

Before final settlement of the contracts, however, it will be necessary to dispose of jointly-owned property, the original price of which totaled $2870.75, as listed below:

10 Steel casings, 22" OD x 11/32" wall x 3' long) 10 Steel couplings, 1"x6"x5' 10-11/16" Bent)	$1,685.13
1 Drive shoe) 1 Drive Cap)	
1 Fabricated steel pulling head	465.55
2 #15 Vulcan pipe tongs	429.27
2 25-ton hydraulic jacks	130.20
	160.60
	$2,870.75

An item of $280.75 has been deleted; this is for 1 Rough Forging #890 to make drive cap and shoe, which was ordered at the start of contract operations but never delivered to the contract sites or used on the contracts and is now being held at the Benecia plant of Yuba Manufacturing Co. for the account of Cosumnes Gold Dredging Co.

Inasmuch as the Government's interest in the above jointly-owned property is 90% of its value, we are wondering if for the sake of early settlement of the contracts you will consider waiving your company's interest in the amount of 10% of the present value of the equipment. This waiver would be in the form of a letter from you as president of the company, stating that your interest in the above listed jointly-owned equipment is waived in favor of the Government. This action on your part will permit us to declare the equipment surplus and dispose of it through regular Government channels set up for such disposal. Under this condition the final settlement of the contracts can proceed after we have received your waiver and before disposal of the equipment.

In lieu of the above waiver, the contracts can be settled by your repayment of the Government's share of the purchase price of the equipment or by sale at an acceptable price. These two procedures have been explained to you in previous correspondence.

Your early reply to this letter will facilitate final settlement of the subject contracts.

11/23/53
U.S. Dept of Interior
We agree to waive our interest in the above equipment in accordance with your letter.
Cosumnes Gold Dredging Co.
By M. L. Stewart
President

By Field Team, Region II

M. E. Volin

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

Thor H. Kiilsgaard

Thor H. Kiilsgaard, Acting Member
U. S. Geological Survey

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

1301 N. Division St.
Spokane 2, Washington
December 16, 1953

Mr. John Eaton
Main at Pine Sts.
Cascade, Idaho

Subject: Docket No. DMEA 2264 (monazite-tantalum-columbium)
Contract No. Idm-8390
Consumers Gold Dredging Co.
Whitehawk Placer
Valley County, Idaho

Dear Mr. Eaton:

This will acknowledge receipt of your inquiry of December 7, 1953 requesting information on the results of the drilling and sampling on the subject property by the Consumers Gold Dredging Company.

We regret that present regulations do not permit release of these results to the property owners or general public. Mr. G. M. Standifer, President of Consumers Gold Dredging Company, is familiar with the results of this drilling and should be able to supply you with the requested information. Mr. Standifer can be reached at 262 W. Santa Inez, San Mateo, California.

By DMEA Field Team, Region II

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Thomas K. Howard, Acting Member
U. S. Bureau of Mines

cc: DMEA, Wash. (2)
USGS (2)

JOHN EATON COMPANY
Main at Pine Streets
Cascade, Idaho

December 7, 1953

John Bardill
U. S. Bureau of Mines
1201 N. Division St.
Spokane, Washington

Dear Mr. Bardill:

We have some mining claims known as the Whitehawk Group located in Valley County, Twp. 11 North, Rge 1 East. These claims were prospected by the Consumnes Gold Dredging Company of Sloughhouse, California late in the summer of 1952. This was, I think, a project under the DMEA although I do not know the number of it.

Mr. Merrill Yost who was in charge of the project for the Consumnes Mining Company informed us that he had no reports relative to the values of the samples that had been sent in and suggested that we write to you for this information.

I would certainly appreciate any information that is available relative to the results of the drilling and samples and if there is any cost in regard to copies of these assays, etc. please advise me and I'll arrange to take care of it.

Yours very truly,

John Eaton /s/

John Eaton

C O P Y

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

1201 N. Division St.
Spokane 2, Washington
November 5, 1953

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Subject: Docket No. DMEA 2264 (monazite)
Contract No. Idm-E350
and
Docket No. DMEA 2265 (monazite)
Contract No. Idm-E351
Cosumnes Gold Dredging Company
Valley County, Idaho

Dear Mr. Selfridge:

This is in answer to your letter of October 29, 1953, asking about the status of the final reports of the Operator and the Field Team for the captioned projects.

As you know from previous correspondence, we have attempted repeatedly to obtain suitable final reports on these projects from the Operator. Mr. G. N. Standifer, president of Cosumnes Gold Dredging Co., was unwilling to spend any more money in the preparation of a report on the investigations which had had negative results as far as the possibilities for a commercial operation. It is apparent that he himself is incapable of rendering acceptable reports, and he shifted the responsibility to Mr. Yost, general manager, who is no longer on the Cosumnes payroll, however.

Mr. J. A. Bowsher, Bureau of Mines, contacted Mr. Yost during the inspection of DMEA Contract Idm-E584, Verlon W. Vandeventer, and went over with him the requirements for an acceptable final report. Mr. Yost was agreeable to another try on reports for the two projects, but his results were received just yesterday and while they contribute additional information, they cannot be considered an acceptable form of report.

Meanwhile, the Field Team has obtained all of the samples remaining from tests conducted by Abbott A. Hanks, Inc. for the DMEA projects and sent them to Dr. Mackin of the University of Washington for separation of the various mineral fractions necessary for an appraisal of the monazite and associated minerals in the placer deposits. This work has taken sometime, and we have received reports

on it just in the past few days. Before having complete information for final Field Team reports, however, we are sending one composite sample for each project to the Porter Bros. Sand Plant at Boise, Idaho for beneficiation tests. We do not expect to get the results on these tests sooner than about a month.

At this time it is difficult to give a recommendation concerning the issuance of a certificate of discovery on either of the projects. The placers are submarginal grade in monazite and probably cannot be worked for that commodity alone under present conditions, but there are accessory minerals, the marketing of which as by-products might alter this situation. The tests to be run by Porter Bros. presumably will shed some light on the possibilities for marketable products, and we would prefer to await these results before making a recommendation concerning certification of discovery.

Mr. J. D. Bardill, Bureau of Mines, will be responsible for the final Field Team reports on the two projects. His work is stacked up, however, to the extent that he will not be able to do much on these reports until early in January. Our best estimate on the completion of the final Field Team reports will be about the end of January.

We regret that it has taken so long to get the necessary information for the Field Team reports, but some of the circumstances were beyond our control. We hope that the above schedule meets with your approval.

By DMEA Field Team, Region II

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

Thor H. Kiilsgaard, Acting Member
U. S. Geological Survey

cc: USGS (2)

DOCKET
SURNAME
F L Kneuse
Ellis

remitten
J L Hyerd
2/17/54

Hon. Herman Welker
United States Senate
Washington 25, D. C.

Re: Docket No. DMRA-[illegible] (Hermanite-Columbium-Tantalum)
Contract No. [illegible]
Consumers Gold Dredging Company
The White Bank Placer
Valley County, Idaho

My dear Senator Welker:

This is in reply to your letter of February 8, 1954, and the enclosed inquiry dated February 4, 1954, of Mr. John Eaton, John Eaton Company, Cascade, Idaho. This inquiry concerns the possibility of obtaining the results of the exploration drilling done by the Consumers Gold Dredging Company in the White Bank Placer area under the project contract with this Agency.

The final Field Team engineering report covering the results of this work is being prepared in the field and it is expected in this office at an early date.

When the preliminary drilling was completed, the Operator expressed disinterest in the project and surrendered the samples collected while drilling to the DMRA engineers who, in turn, had the samples analyzed. If the Operator contributes his pro rata cost for these analyses, a copy of the analytical results will be furnished him in which case Mr. Eaton may, if the Operator is willing, obtain a copy of the results from him. However, in the case of the Final Field Team technical report, as you probably know, such reports are prepared by government-employed engineers and geologists and are for Government use only. Accordingly I regret that we will be unable to furnish Mr. Eaton or the land owners with a copy of such report.

We are herewith returning Mr. Eaton's letter to you as requested.

Sincerely yours,

Administrator

Enclosure

Copy to: Consumers Gold Dredging Company

FLKNOUSE/fcc 2-10-54
cc to: Adm.Read.File
Docket
Messrs. E.Carlson, Rm.3649
HH Larrabee
rm. 0232, GSA
Ellis
Knouse
DMRA Field Team, Reg. II

See correspondence in DMEA-2265 pertaining to settlement regarding jointly-owned equipment and matters pertaining to Operator's final report - covering both contracts

FILE COPY
SURNAME:

F.L. Knouse
Ellis

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

OCT 2 9 1953

Mr. [illegible] Weissenborn
Executive Officer
DMA Field Team, Option [illegible]
South 127 Howard Street
Spokane 1, Washington

Re: Docket No. [illegible]-2[illegible] (Monarch)
Contract No. I m-[illegible]390
Resources Gold Dredging Company
Valley County, Idaho

Re: Docket No. [illegible]-6265 (Monarito)
Contract No. I[illegible]-[illegible]351
Resources Gold Dredging Company
Valley County, Idaho

Dear Mr. Weissenborn:

In order for us to keep our records current, kindly advise when we may expect to receive the final reports of the Field Team and the operator for the captioned projects. In this connection please also furnish your recommendations concerning the issuance of certificates of discovery.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Concur:

J. H. Hedges (GCS)
Director, Bureau of Mines

T. P. Thayer (GCS)
Director, Geological Survey

FLKnouse/db
10-26-53
cc to: Adm. Reading File
Operating Committee
Docket (2)
Messrs: J.Carlson, Rm. 3649
J.M.Larrabee, Rm. C-232, GSA
Ellis
Knouse

R.C.G.
10-29-53

1201 N. Division St.
Spokane 2, Washington

September 10, 1953

Dr. J. Hoover Mackin
Department of Geology
University of Washington
Seattle, Washington

Subject: DMEA Docket Nos. 2264 & 2265, Cosumnes Gold Dredging Co., White Hawk and Paddy Flat Placers

Dear Dr. Mackin:

Under separate cover Mr. Bardill mailed to you today a package containing 14 Paddy Flat black sand concentrate samples and 10 White Hawk Basin samples. Mineral separation determinations are to be made in the manner he discussed with you during your visit at this office yesterday.

Mr. Bardill states that some of these samples may not have been completely concentrated and that further concentration by panning may be necessary before the mineral separation determinations. If this proves to be the case, please have your technician record the weights of the discarded gangues and the black sand concentrates. Our weights are on the basis of pounds per cubic yard of concentrate as shipped to you.

I appreciate your interest and cooperation in making it possible to have this work done at the University of Washington.

Sincerely yours,

M. E. Volin, Chief
Mining Division, Region II

cc: Wash. DMEA-2
USGS-2
DMEA
JDB
Mdf

JDB:kt

800

N.S. in R.B.

August 10, 1953

Memorandum

To: Mr. J. L. Hoffland
Chief Counsel

From: Jay L. Chambers, Chief (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: Dockets No. DMEA-2264 and 2265
Cosumnes Gold Dredging Company
Valley County, Idaho (Manganite)
Contracts No. Idm-E350 and 351

I am returning Mr. Kane's proposed letter to Mr. M. E. Volin, Acting Executive Officer, Region II, in reply to Mr. Volin's letter of July 24, 1953, and call you attention to my proposed letter prepared July 31, 1953, all of which are in the attachments to this memorandum.

Mr. Volin asked a simple question which the contract itself answers in Article 7(c). Mr. Kane has undertaken to analyze the accounts of contracts E350 and E351 and has made some assumptions which may or may not be correct.

I suggest that my proposed letter be sent as a reply to Mr. Volin's request.

Attachment

JLChambers/wb
August 10, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers

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

FILE COPY
SURNAME:

FILE COPY
SURNAME:
800

Chamberlain

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

JUL 31 1953

AIR MAIL

Mr. Robert M. Hull
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Contracts No. Ida-E350 and 351
Dockets No. DMEA-2264 and 2265
Cessnunes Gold Dredging Company
Valley County, Idaho (Monazite)

Dear Mr. Hull:

Reference is made to your letter of July 28, 1953, in regard to the above-cited contracts.

Mr. Volin's explanation of the improvement of the barn in lieu of erecting a new building appears to be satisfactory, and the amount of $2,457.59 should be accepted as a cost to the project.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/wb
July 31, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers

R.C.S.
7-31-53

7/30/53 glc

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

1201 N. Division St.
Spokane 2, Washington
July 24, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Subject: Dockets No. DMEA 2264 and 2265 (monazite)
Contracts No. Idm-E350 and 351
Cosumnes Gold Dredging Company
Valley County, Idaho

Dear Mr. Selfridge:

Enclosed are copies of letters from G. M. Standifer and Merrill Yost, written in answer to our letter of June 26, 1953 regarding final reports for the subject contracts and arrangements for test work on the samples from both projects.

We had intended to charge the cost of the assays to the projects, and we believe this would be within the terms of the contracts. Mr. Standifer, however, indicates that Cosumnes Gold Dredging Company is unwilling to go to any further expense in connection with these contracts.

Only two vouchers submitted under Contract Idm-E351 are unpaid; these total $1144.21. All vouchers submitted under Contract Idm-E350 have been paid. The cost of additional laboratory work, therefore, could not be deducted from the final settlement of these contracts as the above amount, and even more, will be required to reimburse the Government for its equity in equipment purchased for the project.

Mr. Yost has promised to send us the samples, and we will have them run either by a private firm or by the Bureau of Mines laboratory in Albany, Oregon. The analytical work will be costly and we would prefer not to use regular Bureau operating funds to pay for it. Is it possible to use funds allotted for the subject contracts for this purpose, without charging the Operator for his share of the costs? If such a procedure were adopted, the results of the determinations, of course, would not become available to him.

We will appreciate your advice as to the legality of this plan and, if it is acceptable, as to the procedure for invoicing the costs.

By Field Team, Region II

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

J. J. Quinlan, Acting Member
U. S. Geological Survey

Enclosures

FILE COPY
SURNAME:

Mittendorf

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

Mr. Merrill Yost, General Manager
Consumnes Gold Dredging Company
465 California Street
San Francisco, California

MAR 25 1953

DMEA 2264

Dear Mr. Yost:

I wish to thank you for your courteous letter of March 6, expressing your satisfaction with the good relationship which existed between the Government representatives and your company during the conduct of your exploration project for monazite in Idaho.

It was very thoughtful of you to have made known your high regard for both Mr. Volin and Mr. Bardill, of the Bureau of Mines office at Spokane, and to have commended them for their help and cooperation. I assure you that the DMEA shares equally with you the pleasure which comes from the realization that a job was well done.

The progress on your project has been followed closely in Washington and we shall be very interested in learning of your conclusion and evaluation of the project when your final report is submitted.

Sincerely yours,

SIGNED

Administrator

COMittendorf/fw/pn 3-24-53

cc: M. E. Volin, Reg. II
J. D. Bardill, Reg. II
J. J. Forbes, BM
Region II (2)
Admr. Reading File
Rare Metals Div.
Mails & Files
Mr. Mittendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
January 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 12 1953

Mr. Merrill Yost, Manager
Cosumnes Gold Dredging Co.
Red Mountain, California

Subject: Docket No. DMEA 2264 (columbium-tantalum)
Contract Idm-E350
White Hawk Placer, Idaho

Dear Merrill:

Attached is a chemical laboratory report indicating the analysis of samples JDB 333 and JDB 334.

Sample JDB 334 represented the minus 10 plus 14 mesh non-metallic sink concentrate from the composite sample of White Hawk test holes 11, 6, 10 and 12. Fifteen grams of concentrates were recovered from 454 grams of coarse material from the trommel. Since I do not know the proportion that the minus 10 plus 14 mesh represents of the whole, I am unable to compute the poundage per cubic yard of gravel.

Similarly, you state in your letter of December 22 that a composite sample of the 10 drill holes yielded 10.2 lbs. of concentrates per cubic yard from the plus 14 minus 10 mesh portion, which in turn produced 1.7 lbs. of sink product from a sink-float test. What percent of the total gravel does the minus 10 plus 14 mesh material represent?

Assuming the minus 10 plus 14 mesh portion represents 50 percent of the gravel, the combined columbium and tantalum pentoxides would be only about 0.05 lbs. per cubic yard ($1.7 \times 50\% \times 5.66\% \ (NbTa)_2O_5$) in a low grade concentrate which would have to be upgraded to be salable.

Sample JDB 333 represented the minus 14 mesh black sand concentrates from the same composite sample. These concentrates contain a small quantity of columbium, tantalum, rare earth oxides and uranium.

Before the value of the gravel can be estimated it is imperative that the weights of all products be known. Please forward these data to me so that I can make these calculations. Until this information is received we will suspend all work on the large sample at Albany.

Based on the information I have, it appears as though the White Hawk placer deposit is too low grade to mine.

Sincerely yours,

John D. Bardill, Chief
DMPA Section
Bureau of Mines, Region II

Enclosure

cc: DMEA, Wash. (2)
USGS (2)
DMEA
M/D
JDB
DF

JDB/he

6-803
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

No. JDB 20

Report to Mr. Bardill

Chemical Laboratory Report

Date received

Date reported December 2, 1952

Serial No.	DESCRIPTION	Lot No.	Nb_2O_5	$(NbTa)_2O_5$	REO+Th	U_3O_8						
50236	White Hawk Placer (Acct. 55123)	JDB 333	1.17	1.80	1.28	0.15						
7		334	4.33	5.66	0.48	0.50						

U.S. BUREAU OF MINES
R E C
DEC 5 - 1952
SPOKANE, WASHINGTON

U. S. GOVERNMENT PRINTING OFFICE 16—83553-3

For: Stephen Y. Shelton

Signed

700 FILE COPY
SURNAME:

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

November 24, 1952

Memorandum

To: Legal Division

From: F. L. Knouse, Rare and Misc. Metals Division

Subject: Docket No. DMEA-2204 (Monazite)
Amendment No. 1 to Contract No. Idm-E350
Cosumnes Gold Dredging Company

The time extension is approved; however, it is believed the wording of this amendment could be more clearly stated.

FLKnouse/gla
cc to: Operating Committee (Hazel Berry)
Docket
Legal Division
Mr. Ellis
Mr. Knouse

RECEIVED
DEC 1 - 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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
DMEA/DM

NOV 21 1952

November 18 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2264 (monazite, columbium, tantalum)
Cosumnes Gold Dredging Company
Valley County, Idaho
Contract Idm-E350

Dear Mr. Johnson:

Enclosed are the original and two signed copies of Amendment No. 1 to the subject contract, with justification attached.

Copies of the amendment have been retained by the Operator, the Finance Officer, and by this office.

Sincerely yours,

Thor H. Killsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Armstrong

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
1201 North Division St.
Spokane 2, Washington
November 7, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: John D. Bardill, Chief, DMPA Section, Bureau of Mines, Reg. II

Subject: Interim Inspection Report - Cosumnes Gold Dredging Company, White Hawk Placer Deposit, Valley County, Idaho, Contract Idm-E350, Docket No. DMEA 2264 (Monazite)

This project was first visited September 25, 1952 when the access road was under construction to the drill sites in White Hawk Basin.

The second visit to the project was October 7, 1952. At this time the drilling of Stage I consisting of ten test holes had been completed and the drilling equipment, bulldozer and camp were being moved to Cascade.

The following holes were drilled:

Hole No.	Ft. Depth	Hole No.	Ft. Depth
WH-2-Y	13	WH-11-Y	13
WH-4-Y	9	WH-12-Y	13
WH-6-Y	13	WH-13-Y	10
WH-"A"-Y	18	WH-14-Y	15
WH-10-Y	15	WH-16-Y	9

The samples were being shipped to the Cascade plant for concentration into their black sand components for further beneficiation at Dings Magnetic Separator Company, Milwaukee, Wisconsin.

The survey showing the location of the various drill holes has been completed and the map is being prepared.

Results of the concentration tests will be reported periodically. Drilling has been recessed for the winter.

Attached are several snapshots showing the clamshell drill and the White Hawk Basin.

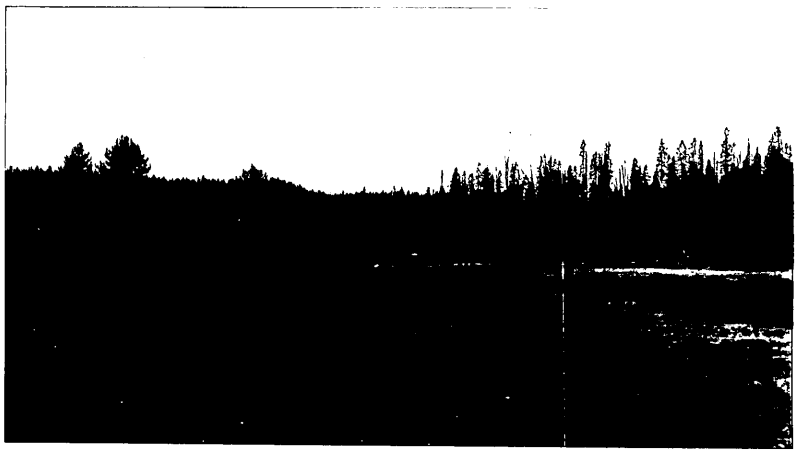
John D. Bardill

John D. Bardill

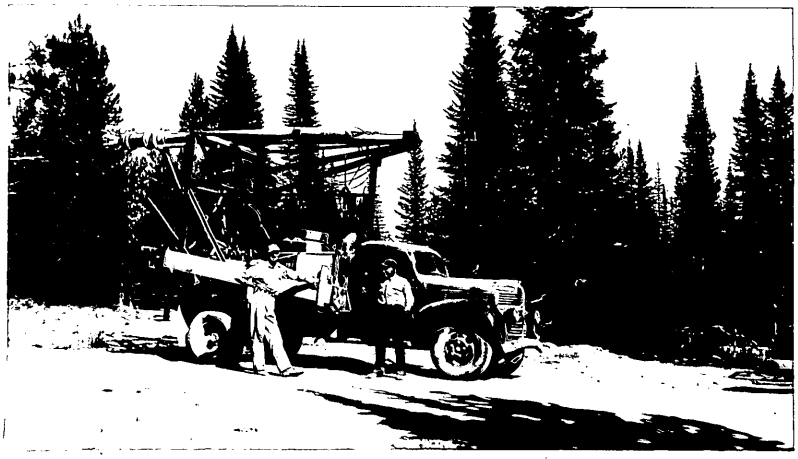
Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
JDB/vf

White Hawk Basin.

Drill hole showing sample rejects.



View of White Hawk Basin.

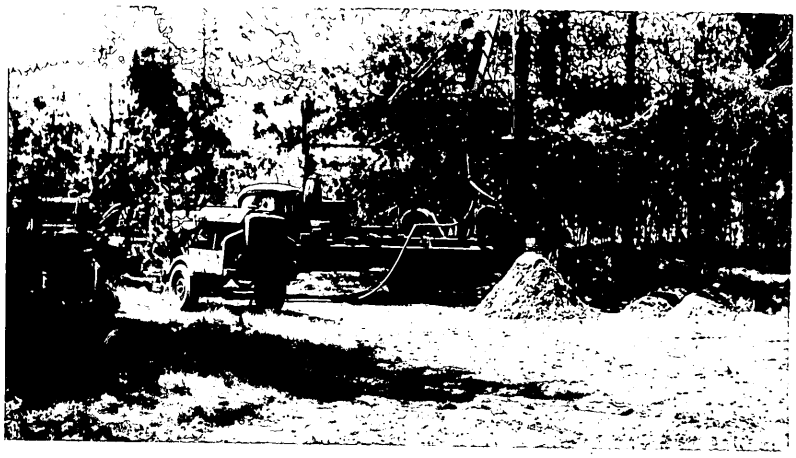


Clamshell drill rig folded over for travelling.

Another View
of
White Hawk
Basin

White Hawk Basin

Drill Hole
and
Sample Rejects



Clamshell Drill
in
Operation

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
1201 N. Division St.
Spokane 2, Washington
October 22, 1952

Department of the Interior
Defense Minerals Administration
OCT 22

Cosumnes Gold Dredging Company
Box 532
Cascade, Idaho

Attention: Mr. Merrill Yost, Mgr.

Subject: Amendment No. 1, Contract Idm-E350-2264
Amendment No. 2, Contract Idm-E351-2265

Dear Mr. Yost:

Enclosed are copies of the subject amendments. If these amendments meet with your approval please sign all copies, retain one copy of each for your files and return the others, including the originals, to this office.

Sincerely yours,

Thomas E. Howard
Chief, DMEA Section
Bureau of Mines, Region II

Enclosures

cc: DMEA, Wash. (2)
USGS (2)

10-29-52

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

So. 157 Howard Street
Spokane 4, Washington

September 16, 1952

Memorandum

To: DMA Field Team, Region II

From: Frank C. Armstrong, Geologist, U. S. Geological Survey

Subject: Report on Columbus Gold Dredging Company, White Hawk Placer Claims, Docket No. DMA-2264, Contract No. Ida-350, Monazite, Columbium-Tantalum.

On September 5 and 6 I talked with Harrill Post, resident manager, about the above project. The project had not yet been started.

Post planned to leave Cascade, Idaho, for Bear Valley, Idaho, on the morning of September 7 with all his equipment, and to start building the road into White Hawk Basin from Bear Valley as soon as possible thereafter.

As of September 6 he had not yet received the Forest Service's permission to build the road. He was to get permission from the Forest Ranger at the Elk Valley Ranger Station, and anticipated no trouble in obtaining it. His crew will stay at the Ranger Station.

Post plans to complete the project before winter sets in.

I plan to visit the area before work is completed and also to visit J. H. Mackin and H. Schmidt who are working in Bear Valley. They expect to leave the area about the end of September. According to Schmidt the stream gravels in Bear Valley are particularly rich in samarskite and euxenite.

Frank C. Armstrong,
Geologist

cc: [illegible]
[illegible]
J. Hoover Mackin

FILE COPY
SURNAME:
700

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

JUN 23

Mr. A. L. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 6, Washington

Re: Docket No. DMEA-2265 (Monazite)
Paddy Flat Placer and
Docket No. DMEA-2264 (Monazite)
White Hawk Placer
Commercial Dredging Company
Valley County, Idaho

Dear Mr. Weissenborn:

Enclosed are the originals and five copies of the two captioned contracts signed by the Government, with attachments.

The contract under Docket No. DMEA-2265 is subject to the execution of an Owner's Consent to Lien signed by (or for) Betty and Frank McThone and attachment thereto. Then if the terms and conditions of these contracts meet with the approval of the Operator, the originals and all copies are to be signed by a company official authorized to sign the contracts. When the contracts are signed the copies marked "Operators Copy" are to be given to the Operator and the copies marked "Field Team's Copy" are to be retained by your office, and the originals and three copies are to be returned to this office.

If any part of either of these contracts do not meet with the approval of the Operator, the original and all copies are to be returned to this office with the proposed changes.

The revised applications were for a total amount of $37,349.11 for Docket No. DMEA-2265 and $27,449.89 for Docket No. DMEA-2264. These contracts (Docket No. DMEA-2265 for a total amount of $22,[illegible]25.00 and Docket No. DMEA-2264 for $20,004.00) show differences for the amounts applied for which are due to reductions as the quantity of equipment and supervision as approved by your office and by the Operator.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

Enclosures
Attachment

Jo. H. Hedges
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

FLKnouse/jem 6/19/52
cc to: Adm. Reading File Docket
Messrs. EJCarlson-1347
JJNorton-0-232 GA
Ellis Knouse
Opr. Committee
Field Team, Region II

ce 6/23/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON

Memorandum June 23, 1952

To: Executive Officer, Region II

From: DMA Operating Committee

It will be necessary to insert in the contracts in the space provided under Article 3 the number of days from the date of the contracts in which work shall commence.

Mittendorf
Ext. 5371

C. O. Mittendorf, Actg. Administrator
Defense Minerals Exploration Adm.
Department of the Interior

FILE COPY

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

Collect

Day Letter

June 23, 1952

G. M. Standifer, President
Cosumnes Gold Dredging Company
Suite 403
465 California Street
San Francisco, California

Today Contracts DMEA-2264 Paddy Flat Placer and DMEA-2265 White Hawk Placer were mailed to DMEA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington.

C. O. Mittendorf (fw)

C. O. Mittendorf
Acting Administrator
Defense Minerals Exploration Adm.

COMittendorf/hb

J.N.
6-23-52

Copy to: Adm. Reading File
✓Dockets (DMEA-2265)
Mr. Ellis
Operating Committee
FEJohnson
Region II

FILE COPY
SURNAME:

140

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

June 17, 1952

Memorandum

To: Acting Administrator

Through: E. W. Ellis

From: Chief Counsel

Subject: Cosumnes Gold Dredging Company, Docket No. DMEA-2264

There is attached, in satisfactory legal form for execution, a contract covering the above described project.

It is noted that the map refers to an "attached sheet". If this attachment is necessary to explain the map it must be attached to the map, prior to execution of the contract.

J. L. Hofflund

Chief Counsel

Attachment

HCRubin/ema
cc: Mails & Files
E. W. Ellis
J. L. Hofflund
H. C. Rubin
Chron.

Not required

March 27, 1962

Mr. Ernest W. Ellis, Chief,
Lode and Placer Metals Division
Defense Minerals Exploration Administration

Attention: Mr. Pheasant

Regarding: Docket No. [illegible]- 2205
(Peggy Flat Placer and Docket No. [illegible]-2264 Chico Rock Placer.)

Dear Mr. Ellis:

We wish to acknowledge receipt of your letter of March 13, 1962 with further instructions regarding the two placer deposits mentioned above and your general questions regarding same. The letter was delayed 11 days in reaching [illegible] Stockdale hence the delay.

Regarding the use of Humboldt Herbert Prodigy Co's. magnetic separator on Placer, this seems to offer a considerable amount of difficulty. First it is doubtful that arrangement could be made for its use and the separator is not built to run small samples of the size we would have. Besides, the machine has been set and adjusted to do a particular job and the owners certainly couldn't permit any changes in its adjustment. However if they have a laboratory size separator, perhaps we could get to use it.

The Tennessee Gold Dredging Co. did a great deal of prospect drilling to make the good answer and the data expressed on that for which drill is not the best tool to use for several reasons.

First the churn drill liberates scheelite locked in the coarse gravels giving high results. In places the pure bed rock gave results off from ½ to ¾ pounds scheelite per Cu. Yd. How much came out of the coarse gravel is one could tell.

Secondly the jarring of the ground by the churn drill causes the sand and fine gravel to run into the drill easing due to water pressure differentials and the accuracy of the drill results are entirely left to the good or bad judgement of the drill operator.

In the case you mentioned where the dredge operation proves the accuracy of the drill result within 3% we might mention here that Consumes drilled ground adjacent to this operation and found it nearly sand with very fine gravel. In this location a churn drill would no doubt give pretty true results.

The reason this Company suggests the using of a class shell drill is that the results are dependable and as you mention in your letter it does give invaluable operating information not possible with a churn drill and if the cost is the same in both cases, we can see no reason for any objection.

This company has a churn drill and it can be made available, although we do not have the same confidence in it as we do in the class shell drill.

At the present time the Consumes Gold Dredging Co. is prospecting a dredging placer at Rialto, California. The scheelite occurs in sizes of from ¼ mesh to boulders of 25 to 30 pounds and larger. To anyone more or less familiar with placers of this kind could at once conclude a churn drill, due to the sliding effect on the gravel which frees scheelite not recoverable by placer operation.

We are prospecting this deposit with the clam shell drill and we are getting information not only as to the values, but also formation as to the physical occurrence and operating information. Without this latter we could not evaluate the deposit or design our plant. The costs of drilling on this property are about 60% of churn drill costs.

The cost of $1200.00 for the operation of the E. Level 9 Cat or 20 to for one month is the total operating cost fully operated and maintained. Another $300.00 for moving in and out.

Enclosed herewith are reports on the Sandy Flat and White Rock Placers according to your instructions.

Yours truly,

E. Knutson

Cosmos Gold Dredging Co.

Report No. [illegible] 2205
Rocky Flat Placer
Consumer Gold Dredging Co.
Valley Co., Idaho

[illegible] 1
[illegible] 1

In order to take full advantage of the season suitable for field work in Idaho and especially at Rocky Flat, it is necessary to start drilling operations as soon as the weather permits. This is on or about June 1. Hence on May 1, 1952 we must start collecting our equipment and crew at our dredging headquarters at Slough House, California, to make some necessary repairs to the equipment and acquire such additional equipment as necessary. This preliminary phase will be finished by May 10, 1952.

Allowing three days for moving crew and equipment to Idaho, Idaho and two days to establish living quarters, we should be ready to start work on the washing plant on May 15, 1952.

Cascade, Idaho has been selected as the headquarters for the Idaho operations. Being centrally located and has certain facilities necessary to the operation.

The plant will consist of flume, trommel screen, jigs, concentrating tables etc. so arranged that the material will flow thru the plant simulating an actual dredging operation. Two products will be made, namely a jig bed concentrate, and a table concentrate. The table concentrate is the jig match product re-cleaned on a Wilfley Table. The washing plant will also be furnished with such equipment as sample dryer, sorter, balances, sieves, pans, Geiger Counter, small microscope, containers for concentrates and various small equipment that is necessary.

In an adjacent room will be installed the laboratory size magnetic separator, together with the minor equipment necessary to pickup and store the various products contained in the heavy sands. At this point it might be well to mention the fact that the gravels contain the following minerals, magnetite, hematite, ilmenite, monazite, garnet, zircon, columbite, tantalum complex minerals, uranium complex minerals and gold, to name with others that to date not been made to

identity. As these various products cannot be identified by chemical analysis alone in a bulk concentrate it is necessary to make the various products first by gravity separation and followed by magnetic separation. The final products can then be analyzed both physical and chemical to determine if the products meet the requirements of the contracts.

At the plant in Cascade a field office and engineering office will be located.

The establishing of the washing plant, separation plant and field office will be completed on or about June 1, 1952. These will all be housed in one building 30' by 20'.

Actual drilling of the 10 holes in Paddy Flat, Phase 1, will start on or about June 1, 1952 and should be completed before July 1, 1952.

The drilling to be done with a clam shell drill (subject to your approval) and at such locations as prescribed in Mr. E. W. Ellis communication to Mr. C. L. Stendifer dated Feb. 6, 1952. Both the clam shell drill and chain drill of the Commance Co. will be available at Cascade, Idaho.

The clam shell drill puts down a hole of 20" inch diameter, digging one Cu. Yd. of gravel from every 12.2 feet of depth. The average hole in Paddy Flat being estimated at 35 feet would thus produce slightly under 3 Cu. Yd. This size sample will produce enough concentrates to make it possible to have quantity enough to run thru the magnetic separator and obtain samples of the fractions large enough for further study and analysis. For an example, a prospect having 1 pound monazite per Cu. Yd. should theoretically give us a finished sample of monazite weighing 3 pounds from 3 Cu. Yds. washed. If desirable the sample can be quartered to any size at the hole and the rejects left in a pile for reference, if a re-check of any hole could be necessary.

The sample from the test holes will be hauled from Paddy Flat to the plant at Cascade, Idaho with a 5 Cu. Yd. dump truck.

DOCKET No. 2265 (Monazite)
PHASE 1
PART 2

Paddy Flat Placers
Idaho

In Paddy Flat some road work will be necessary in order to put down the holes in the locations as specified. This is especially true for sections 35 and 36 ~~and~~ T 17 N. R 4 E, where an access road will have to be built. Minor road work will have to be done at nearly all other locations. The building of the plant at Cascade, previously described and the necessary road work in Paddy Flat seems to ~~c~~ all the construction work necessary for Phase 1. of Docket No. 2265.

LIST OF EQUIPMENT:

Plant at Cascade, Idaho.

1.	Building ½ Purchase Price	$1,000.00	
2.	Screen (Furnished by G. G. D. Co.)		
3.	Jigs (Furnished by G. G. D. Co)		
4.	Tables (Laboratory)..1 No. ½ Purch	500.00	
5.	Minor Equip.(Furnished by G.G.D.Co		
6.	Mag. Separator ½ Purch. Price	1,500.00	
7.	Power Installation ½ Purch Price	150.00	
8.	Water Installation ½ Purch. Price	100.00	
9.	Power Consumption 1 Mo	50.00	
10.	Plant Supplies 1 Mo	50.00	
			$3,150.00

Field Equipment:

1.	Drill mounted on Truck 1 Mo. Rent	400.00	
2.	Flat Bed Truck 1 Mo. Rent	200.00	
3.	Pickup 1 Mo. Rent	125.00	
4.	Dump Truck 1 Mo. Rent	600.00	
5.	Compressor (Trailer Mounted)Furnished by Co		
6.	Managers Car Furnished by G.G.D. Co		
7.	Tractor D4 Caterpillar 1 Mo. Rent	300.00	
8.	20" Drill Casing 40' ½ Purch. Price	1,300.00	
			$2,925.00

Field Equipment Supplies:

1.	Gas and Oil 1 Mo	700.00	
2.	Tires and Repairs	700.00	
3.	Miscellaneous	100.00	1,500.00

TOTAL EQUIPMENT $7,575.00

IDAHO M. 8209 (Monazite)
ITEM 1
Part 3

Paddy Flat Placers
Idaho

PART AND SUPERVISION:

Preliminary work at Houghhouse, California
May 1 to May 11, 1952

1. Driller @ $1.75 per. Hour 7 day Str. Time	$ 98.00
2. 2 day time & half	42.00
1. Drill Helper @ 1.38 per. Hour 7 day Str. time	77.28
2 days @ time & half	34.12
Manager 1/3 Mo. @ $400.00 Per. Mo.	133.33
Engineer 1/3 Mo. @ $600.00 Per. Mo.	200.00
	$ ~~xxxxxx~~
	$ 583.73
Compensation Ins. @ 4%	23.35
	$ 507.08

Charge ½ of above to Paddy Flat Phase 1 ..... $303.54

MOVE TO GASCADE, IDAHO :

May 12 to May 15

1 Driller @ 1.75 per. Hr. 3 days Str. time	$ 42.00
1 Drill Helper @ 1.38 per. Hr. 3 da. Str. time	33.12
1 Utility Man @ 1.27 Per. Hr. 3 da. Str. time	30.48
Manager 1/6 Mo. @ $400.00 per. Mo.	66.67
Engineer 1/6 Mo. @ $600.00 per. Mo.	100.00
	$272.27
Compensation Ins. @ 4%	10.89
	$283.16
Food and Lodging @ $5.00 per man per. day	120.00
Expenses 2 trucks 700 miles each @ 16¢ per mile	224.00
Expenses 1 Pickup & 1 car 700 miles @ 8¢ per mile	112.00
	$739.16

Charge ½ of above to Paddy Flat Phase 1 ..... $369.58

BUILDING OF PLANT AT GASCADE, IDAHO:
May 15 to May 31, 1952

1 Driller @ 1.75 per. hr. 12 da. Str. time	$ 168.00
1 Drill helper @ 1.38 per. Hr. 12 da. Str. Time	132.48
Drill Helper 2 days time 1/2	33.12
Driller 2 days time 1/2	42.00
2 Utility Men @ 1.27 per. hr. 12 da. Str. Time	243.82
Manager ½ Mo. @ $400.00 per. Mo.	200.00
Engineer ½ Mo. @ $600.00 per. Mo.	300.00
2 Utility Men 2 days. time & Half	80.96
	$1,190.38
Compensation Ins. @ 4%	47.22
	$1,237.60

Charge ½ of the above to Paddy Flat Phase No. 1 ..... $618.80

DOCKET RMA & A NO 2265 (Monazite)
Phase 1
Part 3 Continued

Paddy Flat Placers
Idaho

Phase 1 of Drilling at Paddy Flat:

June 1 to July 1, 1952

1 Driller @ 1.75 per. Hr. 21 Da. Str time	$ 294.00
4 Da. time & half	84.00
1 Drill Helper @ 1.32 per. Hr. 21 Da. Str. Time	231.84
4 da. time & half	66.24
3 Utility Men @ 1.27 per. hr. 21 da. str. time	426.72
4 da. time & half	121.92
1 Truck driver @ 1.50 per. Hr. 21 da. Str. time	252.00
4 da. time & half	72.00
1 Plant operator @ 1.75 per. hr. 21 da. str. time	294.00
4 da. time & half	84.00
1 Plant helper @ 1.32 per. hr. 21 da. str. time	231.84
4 da. time & half	66.24
Manager 1 Mo. @ $400.00 per. Mo	400.00
Engineer 1. Mo. @ $600.00 per Mo	600.00
	$3,324.60
Compensation Ins. @ 4%	128.99
	$3,453.79

Charge all the above to Paddy Flat Phase 1 ..... $3,453.79

SUMMARY OF COST

Equipment & Supplies	$ 7,575.00	
Labor & Supervision as follows:		
Preliminary work at Clough House		309.54
Move to Cascade		369.58
Building Plant at Cascade		613.60
Phase 1 of Paddy Flat Labor & Supervision		3,453.71
Est. Cost Docket RMA No 2265		$12,215.65
+ Accountant		300.00
		$12,515.65

Project No. 2265 (Monazite)
Paddy Flat Placer Idaho

Phase 2
Part 1

The second phase of the Paddy Flat drilling program of an additional 56 holes can follow the White Rock Placer, Phase 1, if approved. It is estimated that three months will be needed for the additional 56 holes. By starting on August 1, 1952 the work will be completed before November 1, 1952.

As the results of Phase 1, of the Paddy Flat drilling program will largely determine the location of the additional 56 holes, we cannot at this time give their location. However, if Phase 2, of Paddy Flat is approved, we intend to proceed as in the first Phase of the program.

We will proceed with the drilling program as approved and specified. The holes will be drilled as before averaging about 3 Cu. Yd. per hole. The gravel will be trucked to the plant at Cascade, for gravity concentration and magnetic separation.

Part 2

In this phase of the work we do not anticipate any major road work or construction. Some brushing out of small timber will have to be done at times in order to move drilling equipment.

Docket No. [illegible] 3265 (Monazite)
Reedy Flat Placer Idaho

Phase 2
Part 3

Labor and Supervision:
Aug. 1, 1952 to Nov. 1, 1952:

1. Driller @ $1.75/hr	66 da. str. time	$ 924.00
	12 da. time & half	252.00
1 Drill helper @ $1.38/hr	66 da. str. time	728.64
	12 da. time & half	198.72
2 Utility men @ $1.37/hr	66 da. str. time	1,361.12
	12 da. time & half	247.76
1 Truck driver @ $1.60/hr	66 da. str. time	792.00
	12 da. time & half	216.00
1 plant operator @ $1.75/hr	66 da. str. time	924.00
	12 da. time & half	252.00
1 plant helper @ $1.38/hr	66 da. str. time	728.64
	12 da. time & half	198.72
Manager 3 mo. @ $400.00/mo		1,200.00
Engineer 3 mo. @ $600.00/mo		1,800.00
Total Labor and Supervision		9,021.00
Compensation Insurance @ 4%		396.86
Labor and Supervision		$10,818.46

Rent of Field equipment 3 mo.
@ $2,925.00 per month (see Docket No. Docket 3265, Phase1, part 2) 8,775.00
Accounting 3 mo. @ $300.00/mo 900.00
Field supplies, 3 mo. @ $1,500.00/mo 4,500.00
Plant Supplies 3 mo. @ $50.00/mo 150.00
Plant power 3 mo. @ $50.00/mo 150.00

TOTAL COST, Phase 2 of Reedy Flat Placer $24,793.46

Project No. [illegible] 2205 ([illegible])
Paddy Mint Placer
[illegible] No. [illegible] 2264
[illegible] Placer
[illegible] Area, [illegible]
Valley County, Idaho

DEPARTMENT OF THE [illegible]
Defense [illegible] Administration

APR 1 - 1952

Conclusion and Summary:

In the preceding reports and estimates the entire project has been treated as four (4) distinct places as nearly as possible, so that the cost of each could be ascertained. If the entire program of the four (4) places is done, some savings could be made by running two projects at one time or by doubling the drilling units.

We decided not to purchase any additional engineering equipment but to rent when that was in possession of the Bureaus with keeping up.

The wage scale as shown is that which prevailed in Idaho. Board, lodging, and cost of supplies and rentals are from the company's experiences in Idaho during last years prospecting there.

It is essential that we keep most of the prospecting crew intact. Experienced men are used on all construction and repair work where ever possible, so that they will be continuously employed.

No allowance has been made for the transportation of 14 men, from [illegible] to Idaho. The Bureaus work progress, will have cost on their own account.

Attached hereto is a summary of costs of the various phases of the project which we trust will be convenient for reference.

E. Knutson
Eng. Consulting Prospecting Co
Alameda, California

SUMMARY OF COSTS:

Docket No. DMEA 2265 Paddy Flat Phase 1	Docket No. DMEA 2265 Paddy Flat Phase 2	Docket No. DMEA 2265 Paddy Flat Phase 1 and 2
Est. $12,515.65	Est. $24,793.46	Est. $37.309.11
Docket No. DMEA 2264 White Hawk Placer Phase 1	Docket No. DMEA2264 White Hawk Placer Phase 2	Docket No. DMEA 2264 White Hawk Placer Phase 1 and 2
Est. $15,050.56	Est. $12.396.73	Est. $27,447.29
Dockets No DMEA2265 Paddy Flat Phase 1 and No. DMEA 2264 White Hawk Placer	Dockets No, DMEA 2265 Paddy Flat Phase 2 and No. DMEA 2264 White Hawk Placer	Dockets No. DMEA 2265 Paddy Flat Phase 1 and 2 No. DMEA 2264 White Hawk Placer
PHASE 1	PHASE 2	PHASE 1 and 2
Est. $27,566.21	Est. $37,190.19	Est. $64,756.40

3/10/52 gla

COSUMNES GOLD DREDGING

Suite 403-

465 California St.,

San Francisco, Calif.,

March 6, 1952.

Attention MR. KNOUSE

Dockets #2264 & #2265 DMEA

Mr. Ernest Wm. Ellis,

Acting Chief, Misc.& Rare Metals, DMEA,

Room 4070, New Interior Bldg., Washington, D. C.

Dear Mr. Ellis:

Referring to Mr. Knouse's last two letters and our telephone talks, I asked our Mr. Yost to supply the data requested all of which I hand you herewith and trust same will be satisfactory to you.

Thanking you for your kind attention, and with best regards, I am,

Sincerely yours,

G. M. Standifer

G. M. Standifer

for Cosumnes Gold Dredging Co.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1952

DMA

Sacramento, Calif.,
March 4, 1952.

The accompanying map is revised from the original prospect map of the White Hawk Basin placers. The Holes marked in red and determined WH No.1 and so on are the 10 holes in phase No.1o If the property shows results to warrant further prospecting the general pattern could be followed through to completion. The proposed holes are in the present creek gravels and would determine the values upon their completion

These claims are all in section 24; Twp. 11N; R7E; Boise B M.Valley Co. Idaho.

The depth of the gravel is estimated at 30 Ft.

The placing of the holes could be changed upon the inspection by the DMA engineer at any time without any interference in the progress of the prospecting if the first result or two would warrant such or if upon initial inspection it would be advisable to change the prospect plan.

There is no other ground in the immediate vacinity controlled by the Cosumnes Gold Dredging Co. All ground adjoining the above claims is open ground which did not seem advisable to take up at the time as the above claims controll the entire basin.

Merrill Yost

M. Yost, Gen. Mn'gr. C. G. D. Co.

DMA

COSUMNES GOLD DREDGING CO.

SLOUGH HOUSE

SACRAMENTO COUNTY, CALIF.

G. M. STANDIFER, PRES. M. YOST, GEN. MGR.

Re; Docket No. DMEA-2264 (Monazite)
Cosumnes Gold Dredging Co.
White Hawk Basin Placer
Valley County, Idaho

White Hawk Basin claims. All in Valley County, Idaho. Twp.11N R7E Boise B & M.

White Hawk No. 1 160 A Book 5 Page 344 Recorded June 14, 1951

White Hawk No. 2. 160 A Book 5 Page 345 Recorded June 14, 1951

White Hawk No. 3. 160 A Book 5 Page 346 Recorded June 14, 1951

White Hawk No. 4. 160 A Book 5 Page 347 Recorded June 14, 1951.

These claims are all held by option by the Cosumnes Gold Dredging Co. dated Nov. 17, 1951. No other property in the immediate vacinity is held by the Cosumnes Co.

Merrill Yost

DMA

Sacramento, Calif.,
March 4, 1952.

REPLIES: FORM MF-103 (revised)

TO: Defense Minerals Administration,
Departmentof Interior,
Washington, D.C.

1. (a) The property is located in Valley County, Idaho and is known as the Paddy Flat Mining District and White Hawk Basin. These districts constitute and area of Alluvial gravels located in the drainage areas of Paddy Creek, Camp creek, Rapid Creek, Kennally Creek, the North fork of Gold Fork and White Hawk Creek in the White Hawk Basin.

This area covers parts of four twonships; T16N-R4E; T16N-R5E; T17N-R4E; and T17N-R5E; Boise Base Meridian (Paddy Flat area) and T11N-R7E Boise Base Meridian (White Hawk Basin) all in Valley County Idaho.

The Paddy Flat Mining district was extensively worked for its placer gold before the turn of the Century, and numerous Hydraulic pits are in evidence together with miles of miners ditches, the Largest of which is approximately 5 miles long. At present no operating properties exist.

White Hawk Basin was just recently discovered and little is known of the area. The evidence of Monazite concentrations as well as other radio active minerals prompted the location of the property.

No liveable quarters exist on either property except the buildings of the Foest Service which they use part of each year. These are in Paddy Flat.

(B) Copies of option agreements attached to original FM-103

(c) The legal discription of the area upon which the exploration is to be conducted is as follows;

In T 17 N - R4E Secs. 13, 14, 15 21, 26,27, 28, 33,34,35,36 and 25.
T 17 N - R5 E Secs. 29,30, 31 and 32 (Paddy Flat Area) Boise Base Meridian.

In T 11 N R 7 E, Boise Base Meridian. (White Hawk Basin)

Note 1. The above areas are held by option By the Cosumnes Gold Dredging Co.

Note 2. This is covered in 1. (a)

2. (a(We expect to find the following minerals and metals;

Replies; Form MR-103

Sacramento, Cal.
Mar. 4, 1952.

2. (a)

1. Magnetite
2. Ilmenite
3. Garnet
4. Monazite
5. Zircon
6. Columbium, Tantalum Minerals.
7. Uranium complex minerals.
8. Gold.

(b) Question does not apply.

3. (a) We propose to do this explaratory work by means of Churn Drills. We also propose to check the Churn Drill results by Shafts dug either by hand or mechanical means.

We propose to seperate the heavy sands into the various products by means of a labratory size magnetic seperator. These samples will represent the the final products of the dredging operations. From these samples will be determined the market value of the various products and the evaluation of the property. Before magnetic seperation the samples will be screened , and concentrated simulating actual dredge operation.

The area will be surveyed and maps made as follows:

1. A reginnal map showing the main physical features and ownership lines.

2. Prospecting maps of a scale sufficient to show main physical features Location of drill holes, shafts and surface cuts for the purpose of calculating yardage, values and dredging section.

3. Complete topographical maps of the proven areas suitable for dredge operation.

A final report will be made of the prospecting of the two areas.

The total estimated cost of the project is Phase 2 $57,556.25 | Phase 1 $31,663.57

We propose to start preparations not later than May 1, 1952 and the field work to commence June 1, 1952. The project to be completed not later than Oct. 1, 1952.

4. See previous maps of Paddy Flat and white Hawk basin. Present project maps accompanying this form.

Sacramento, Calif.,
March 4, 1952.

Replies; Form MF-103

5. None.

6. Refer to question No. 3.

7. Rented;

	Phase 2	Phase 1
(a) One 3 Cu. Yd. Dump truck, $600. Per Mo. Phase 2 four months Phase 1-2 Month.	$2,400.00	$ 1,200.00
1 M Model 7 Cat and angle dozer $1,200.00 per Mo. Allow $300.00 Move in and out One-Mo.	$ 1,500.00	$ 1,500.00
(b) One Vibrating screen	400.00	400.00
One Wilfley Con. table 3½X7	600.00	600.00
40 Ft. Casing for shaft digging machine	2,600.00	2,600.00
One labratory Ding Magnetic Seperator	3,000.00	3,000.00
one Engineers Plane Table	550.00	550.00
One Engineers Level	430.00	430.00
One drafting machine	100.00	100.00
Total	($11,580.00)	($10,380.00)
(c) Furnished by Standifer, Yost and Cosumnes Gold Dredging Co.		
One 5" Placer churn drill mounted on 1½ ton Dodeg truck @ $400.00 Per Mo. Ph. 2 5 Mo. Ph 1. 2½ Mo.	$ 2,000.00	$ 1000.00
One Clambshell shaft sinking machine mounted on 2 Ton dodge truck @ $400.00 per Mon. Phase 2 5 Mo. Phase 1 2½ Mo.	2,000.00	1,000.00
One 1950 GmC ½ ton pick-up @$125.00 Per Mo. Phase 2 five months Phase 1 2½ Mo.	625.00	312.50
One D4 Caterpillar tractor and dozer blade @$300.00 per Mo. Phase 2 five Mon Phase 1 2½ Mo.	1,500.00	750.00
Total	($6,125.00)	($3,062.50)

Total Phase 2 No. 7. ---------- $ 17,705.00

Total Phase 1 No. 7. ---------- $ 13,442.50

Miscellaneous small equipment and hand tools and office and drafting equipment furnished by Cosumnes Gold Dredging Co.

8. Labor and Staff Schedule:

Labor	Phase 2 Per Da.	Phase 1 Per Da.
1 Drill boss @ $2.20 per Hr. @ 2.20 Hr	$ 17.60	17.60
2 Drillers Phase 2 One driller Phase 1 @1.75 Hr	28.00	14.00
2 Drill Helpers Phase 2. 1 Helper Phase 1 @1.38 Hr	22.08	11.04
2 Utility men Phase 2. 1 Phase 1 @1.27 Hr	20.32	10.16
1 Washing plant operator @$1.75 Hr	14.00	14.00
1 Washing plant helper @$1.38 Hr	11.04	11.04
1 Truck driver @$1.50 Hr	12.00	12.00
1 Instrument man @$2.20 Hr	17.60	17.60
1 Rod Man @$1.38 Hr	11.04	11.04
Total per Day	$153.68	$ 118.48

Total per Mo. 6 day week ---------- $ 4,303004 $3,313.44

Sacramento, Calif.,
March 4, 1952.

Replies: Form MF-103

8. Staff

	Phase 2	Phase 1
1. Chief Engineer Per Mo. ----------	$600.00	$ 600.00
1. Accountant and Bookkeeper Per Mo.-	300.00	300.00
1. General Manager Per Mo. ----------	400.00	400.00
Total per Mo. --------	$1,300.00	$ 1,300.00
Compensation Ins. Old Age, Unemployment Ins. Total per Mo. -----	$ 392.21	$ 300.99
Total per Mo. Labor, Staff, Ins. ---	$5,995.25	$4,913.43
Full Crew for 4 Mo. -- Phase 2 ----	$23,981.00	
Half Crew for 2 Mo. -- Phase 2 ----	5,995.25	
Full crew for 2 Mo. Phase 1 -------- ----------		$9,826.86
Half crew for 1 Mo. Phase 1 ----------		2,456.71
Total costs of Labor, Staff and Ins on entire project ----------	$29,976.25	$12,283.57

9. Building Materials, maintainance and etc.:

	Phase2.	Phase 1
Building Materials for plant and housing ----------	$ 2,000.00	$ 2,000.00
Gas and oil per Mo. ~~Phase-2-5-Mo-Phase~~ 1-2½ Mo. $1000.00 Per Mo. ----------	5,000.00	2,500.00
Machinery repairs and replacements @ $500.00 Per Mo1 Phase 2-5 Mo Phase1-2½-	2,500.00	1,250.00
Power Water and Utilities @$75.00 per Mo. Phase 2-5 Mo Phase 1-2½ Mo. ----	375.00	187.50
Total ----------	$9,875.00	$ 5,937.50

If the work in Phase No. 1 is considered 10 holes on each property it would seem to me that the costs of everything should be divided between the Paddy Flat area and White Hawk basin. The cost would be considerably less than Phase 2. If it is considered for just the Paddy flat area alone the cost would be still less. There are some costs ~~considerations~~ that should be taken into consideration in White Hawk Basin that would not be incurred in Paddy Flat. First there are 3 Mi. of road to be constructed into the area of White Hawk before drilling operations could be started. I have found that there is a place at Deadwood 12 Mi. from the property that the men can be boarded and roomed for $8.00 per day. This would be better than building the facilities on the property for a months exploration which will reduce the original cost estimate. A jig has been acquired by the Company since the original estimates have been made and this with some minor adjustments will make the costs somewhat different from the original estimates.

I am attaching a sheet to show the costs broken down in the two phases on the two properties as nearly as I can. Also if Phase 1 is considered for Paddy Flat only I shall include it also.

10. (a) We are prepared to invest $_____
(b) This is sufficient to pay our amount of the project.

11. Engineers report accompanied original estimates covering any unanswered Phases.

Merrill Yost

AMERICAN Brake Shoe COMPANY

AMERICAN MANGANESE STEEL DIVISION

GENERAL OFFICES · CHICAGO HEIGHTS, ILLINOIS

ADDRESS REPLY TO

850 FERRY STREET, OAKLAND 7, CALIFORNIA

March 4, 1952

Mr. Guy Standifer
262 West Santa Inez
San Mateo, California

Dear Mr. Standifer:

We wish to confirm our telephone conversation of even date with reference to information as regards Zircon Sand.

As advised, our use of Zircon Sand is very limited. We use this material in the making of certain cores which are embodied in the manufacture of castings with heavy sections and the use of which material has a definite tendency towards preventing "burning in."

We have been advised by one of the local supply houses, The Pacific Graphite Works located at 40th & Linden Streets, Oakland, that they handle approximately thirty to forty tons of this material monthly and ordinarily carry an inventory of approximately three or four months supply. They further advised that the necessity for carrying such a large inventory is that for the past few years they have bought practically all of this material from Australia.

They quoted prices for selling to the trade at $4.90 Cwt. in lots of one to two thousand lbs., $4.70 Cwt. in lots of five ton and $4.35 Cwt. in carload lots.

This material is also produced in Florida and the domestic material retails at a considerably higher price. They quoted $7.85 Cwt. in small lots of a thousand to two thousand lbs., $7.45 Cwt. in lots of five ton and $7.05 Cwt. in carload lots.

This distributor has furnished us with a typical chemical analysis of the material we are obtaining from them and which is as follows:

ZrO_2	- 66.42%	MgO	- 0.02
SiO_2	- 32.30	PbO	- Trace
TiO_2	- 0.35	Na_2O	- 0.02
Fe_2O_3	- 0.07	P_2O_5	- 0.12
Al_2O_3	- 0.35	V_2O_5	- 0.05
Cr_2O_3	- 0.002	CeO_2	- 0.05
La_2O_3	- 0.01	MnO_2	- Trace
CaO	- 0.10	S	- 0.02
CuO	- 0.001		

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 10 1952

As further advised we have supplied similar information to Mr. H.B.Murphy, President of Idaho-Canadian Dredging Company at Boise, Idaho. In fact, they sent us a sample and we quote the following chemical analysis received from our Metallurgical Department:

ZrO_2 - 65.1
SiO_2 - 33.8
TiO_2 - 0.40
MnO)
CaO) trace
MgO)
Specific Gravity - 4.42

Of course there are many other large users of Zircon Sand in the Midwest and East, however, we do feel that should you at any time wish to discuss this item with The Pacific Graphite Works, it will be perfectly okeh for you to call them and ask for either Mr. J.L.Blackie or Mr. W.C.Chedic, using the writer's name and I am quite certain they will give you any further information desired.

We are indeed sorry to advise that we do not have any information to offer you as regards a market for garnets in this area.

Yours very truly

AMERICAN MANGANESE STEEL DIVISION

E. M. Welch

EMW:dc

E.M.WELCH WORKS MANAGER

MEMORANDUM

Date: March 4, 1952

To: Mr. Guy M. Standifer

From: S. Logan Owens, Jr.

Subject: Garnet Placer Sands

Dear Mr. Standifer:

As per your request I have been endeavoring to determine the market possibilities for garnet placer sands relative to sandblasting.

The largest potential volume for this material would be to sell it through industrial accounts which specialize in sandblasting. I spoke to a friend of mine, Mr. E. A. Larkin, president of Clementina Co., which is the largest jobber and contractor of abrasives and equipment in the state. Mr. Larkin reports there is a tremendous demand for these garnet sands and that they alone could probably sell all you could produce. They have been selling a small amount of this particular product which they bought from a Mr. Henry Craigh, located at 411 Hyde Building, Spokane, Washington, who brings it from his mining operation in Idaho. Clementina is currently retailing the material at approximately $90.00 per ton. They paid $65.00 a ton for it f.o.b. Idaho, which gave them a delivered cost to their spur in San Francisco of about $80.00. This present material happens to be 36-mesh in size. The meshes they would use would be 36, 16 and probably 80.

Clementina is endeavoring to secure all of this product which Craigh is shipping to California, and state there is an unlimited market if it is priced reasonably. Craigh realizes that volume depends upon price and is endeavoring to get the cost down so that it can be sold in good competition with silica which sells from $27.50 to $30.00. It might be advisable to have some one contact Craigh for more information, or if you wish, I will be happy to do so for you.

When we are in production of these garnet sands, Clementina has asked that we give them a chance to sell our product. They not only contract for sandblasting jobs, but do a very sizeable volume in Monterey sand and sandblasting equipment.

In regards to potential volume by the Navy, I have found that the industrial manager of each Navy yard lets his own contracts for sandblasting, with materials used according to Navy specifications. The industrial manager for the entire 12th Naval District is Rear Admiral Manseau, located at Mare Island. Captain Aldridge, the assistant industrial manager, is located at Building 40 in the San Francisco yard at Bethlehem Steel, and I will contact him shortly for further information.

Our best bet for the Navy would be to have your friend, Admiral Hall, give you a letter of introduction to Admiral Klein who is in charge of the Bureau of Ships in Washington and who would carry considerable weight towards having your product written into the standard Navy specifications.

Best regards,

Logan.

SLO/ma

DMA

Sacramento, Calif.,
March 4, 1952.

Replies to FM-103

Re: Docket No. DMEA-2265 & 2264
Cosumnes Gold Dredging Co.
Paddy Flat Placer & White Hawk Basin
Valley County, Idaho.

Summary of Cost revision in Phase No. 1 and Phase No. 2 as of letter of Feb. 26 and 28th 1952.

Cost Paddy Flat and White Hawk Basin Areas.	Phase 2	Phase 1
Labor	$ 29,976.25	$ 12,283.57
Purchased equipment	7,680.00	7,680.00
Rentals	8,525.00	4,262.50
Building and Maintainance	9,875.00	5,937.50
Total	$ 56,056.25	$ 30,163.50
Charge ½ to Paddy Flat	$28,028.12	$ 15,081.78
Charge ½ to White Hawk Basin ~~$1,500.00~~		
Cat rental on road Construction	$29,528.12	$ 16,581.78
Total Cost Phase 2 and Phase 1	$57,556.24	$ 31,663.56

Considering the first Phase of 10 holes and the second not to exceed 50 holes it would seem that the above division of costs would apply. With the aforesaid adjustments the above estimate is as close as I can made at the present time.

Due to the heavy snow conditions it will not be possible to start operations before June 1, 1952. It will take about a month with a small crew to do the preliminary work.

Merill Yost

700

FILE COPY
SURNAME:

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

FEB 28 1952

AIR MAIL

Mr. G. M. Standifer, President
Consummes Gold Dredging Co.
Suite 403 - 465 California Street
San Francisco, California

2264

Re: Docket No. DMEA-2265 (Monazite)
Consummes Gold Dredging Co.
Paddy Flat Placer
Valley County, Idaho

Dear Mr. Standifer:

We are in receipt of your letter dated February 23 with attached lease assignments.

In our letter to you of February 6 we requested certain detailed information required before the captioned application can be processed. This information was not included in your letter of February 23 and until it is received we will not be able to continue processing the application.

The schedule of estimated cost for the revised application should be separated to cover the two phases of the drilling program. In your letter of February 23 you state the supervising engineer on this project will also direct the exploration work on the White Hawk Basin deposit (Docket No. DMEA-2264). Therefore, the cost for this engineer's services should be prorated to each project.

In your telephone conversation with Mr. Knouse of this office on February 23 it was understood that you would submit information as was requested in our letter of February 6, covering Docket No. DMEA-2264, White Hawk Basin Placer.

Upon receipt of this information we will be able to process these applications.

Sincerely yours,

Signed

E.N. 2-28-52

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration
Administration

FLKnouse/gla 2-27-52
cc to: Adm. Reading File
Dockets DMEA-2264 and DMEA-2265
Messrs. E.J.Carlson, Rm. 1347
Z.J.Norton, Rm. G-232 GS
Ellis Knouse
Field Team, Region II (2)

2/26/52 gla

COSUMNES GOLD DREDGING CO.

Suite 403 - 465 California St.,
San Francisco, Calif.,
Feb.23, 1952.

Mr. Ernest Wm. Ellis, Acting Chief,
Rare & Misc. Metals Div., DMEA,
Washington

Attention Mr. Knause

Re.- Docket No.DMEA--2264 & 2265
Paddy FlatMonazite -
White Hawk Basin- Monazite-

Dear Mr. Ellis:

Replying to yours of Feb. 6th- #700 - also our phone talk to Mr. Knause of Feb. 21st, I presume you received the additional maps of our lease holdings air mailed you Feb. 3rd. As per your request we herewith hand you additional assignments of the leases from Standifer & Yost to Cosumnes Gold Dredging Co.

Relative to your inquiry as to supervising engineer, beg to advise you will find this included in our sbhedule of costs filed with form MF-103 dated Nov. 6, 1951. The same engineering and management overhead will handle both the Paddy Flat and WhiteHawk jobs.

In accordance with your suggestion, please add $1,000.00 for outside assaying in case we want some additional check assays. The bulk of the assaying will be done at the Bureau of Mines laboratory under Mr. M. H. Kline.

We would like also to request that you add $1500.00 for the installation in the field of an electric pilot plant furnace to assist us in the determination of the values of some of the by-products of the monazite production, thereby possibly enabling us to handle some lower grade ground.

Yours very truly,

Cosumnes Gold Dredging Co.

By [signature]
President.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1952

COSUMNES GOLD DREDGING CO.

Suite 403-
465 California St.,
San Francisco, Calif.
Feb. 20, 1952.

Cosumnes Gold Dredging Co.,
San Francisco, Calif.
Gentlemen:

Reference is hereby madeto the following contracts and agreements:

#1. Agreement dated Nov. 9, 1951, between Clarence V. Loomis and Vida Loomis, parties of the first part, and G. M. Standifer and Merrill Yost, parties of the second part, covering certain proerty situated in Valley County, Idaho, Paddy Flat Mining District.

#2.Mining lease dated Nov.17th, 1951, between John Eaton, Gertrude Eaton, Gordon Squires, Doris K. Squires, D. B. Patterson, Pauline Patterson, Joe Slifka, Margaret Slifka, W.M.Darling, Everett Johnson, B.A.Parks, and C.N. Parks, Lessors, and Guy M. Standifer and Merrill Yost, Lessees, covering certain placer claims in White Hawk Basin, Valley County, Idaho, named White Hawk #1, #2, #3, and #4.

#3.Contract dated November 9, 1951, between Raymond M. Carrey and Myrtle Carrey, George Denison and Helen Denison, Frank McElhone and Betty McElhone, and George Dension, parties ofthefirst part, and G. M. Standifer and Merrill Yost, parties of the second part, covering certain placer mining claims in Valley County, Idaho, Paddy Flat District, said claims being known as the "Beaver Dam Group", "Swamp Placer Mining Claims", "Mink Group", "Owl Group", "Full Moon Group", "I found it" group, "Half Moon #5 group, amended location of "Half Moon #4", "Jeep Claim #1, "Elk Group", "Half Moon #8" group, and all other locations or claims belonging to the above parties ofthe first part in the before mentioned vicinity. Also any other claims, locations, or porperties in Idaho in which the parties of the second part, G.M.Standifer and Merrill Yost, have any interest or ownership.

It is hereby understood that for certain valuable consider tions received by G. M. Standiferand Merrill Yost, receipt of which is hereby acknowledged, Standifer and Yost do hereby transfer all their rights and interest in the above contracts and properties to Cosumnes Gold Dredging Co.

G. M. Standifer

Merrill Yost

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1952

DOCKET NO. MLA 2264
White Hawk Placer
Consumes Gold Dredging Co.
Valley Co., Idaho

PHASE 1
PART 1

The preliminary work of this phase of the operation consists of the building of an access road into White Hawk Basin a distance of approximately 3 miles. This work is to be started on or about June 1, 1952 and to be completed by July 1, 1952. A D7 Cat. or equivalent with dozer will be needed for this road work.

The actual drilling and processing of the 10 drill samples of Phase 1, of the White Hawk Placer will begin on July 1, 1952, immediately after completion of Paddy Flat Placer, PHASE 1. As some delay is anticipated between Phase 1 and 2 of the Paddy Flat Placer, it seems logical to do the work in this order.

The field equipment will be moved from Paddy Flat to the White Hawk Placer and the work done in the same manner as before. The holes will be of 20" inch diameter and put down to bed rock. The clam shell drill will be used (subject to your approval). The gravel samples will be hauled to Cascade in the 2 Cu. Yd. dump truck and processed at the plant there.

At the plant in Cascade the gravel will be screened, jigged and tabled, producing a jig concentrate and a jig hutch product re-cleaned by means of a Wilfly Table. The dried bulk concentrates will be separated into its component minerals, and evaluated. The data this obtained will be used to evaluate the placer. The Minerals found in the White Hawk Placer are similar to those found at Paddy Flat. These minerals are magnetite, hematite, ilmenite, garnet, monazite, zircon, columbium-tantalium minerals. The presence of brannerite is also indicated.

DOCKET NO. [illegible] 2264
White Hawk Placer

ITEM 1
Part 2

The cost of the access road into White Hawk Basin should all be charged to the cost of his phase of the operation. One half of the preliminary costs at Slough House, California, one half of cost of moving to Idaho and one half the cost of the plant at Cascade, should be charged to this phase of the operation.

The above charges are as follows:

1.	Equipment and Supplies.....	$ 7,575.00	
2.	½ of preliminary work at Slough House.....	303.54	
3.	½ of move to Cascade, Idaho.....	369.58	
4.	½ of plant labor cost at Cascade.....	618.80	
5.	Cost of access road into White Hawk Basin:		
	1 D7 tractor with dozer 1 mo. @ $1,200.00 plus $300.00 for moving in and out.....	1,500.00	
		10,361.92	
			$10,361.92

DOCKET NO DMA 2264
White Hawk Placer
Consumers Gold Dredging Co.
Valley Col, Idaho

PHASE 1
Part 2

LABOR and SUPERVISION:
July 1, 1952 to Aug.1, 1952:

1 Driller.....	@ $1.75/hr.	23 da. str. time.....	@	322.00
		3 da. time & half.....		63.00
1 Drill helper...	@ $1.28/hr.	23 da. str. time.....		253.92
		3 da. time & half.....		49.68
2 Utility men....	@ $1.27/hr.	23 da. str. time.....		407.30
		3 da. time & half.....		91.44
1 Truck driver...	@ $1.50/hr..	23 da. str. time.....		276.00
		3 da. time & half.....		54.00
1 Plant operator	@ $1.75/hr..	23 da. str. time.....		322.00
		3 da. time & half.....		63.00
1 Plant helper...	@ $1.28/hr..	23 da. str. time.....		253.92
		3 da. time & half.....		49.68
Manager 1 mo.	@ $400.00/mo.....			400.00
Engineer 1 mo.	@ $600.00/ mo.....			600.00
				$3,206.00
Compensation Insurance	@ 4%.....			130.64
				3,336.64

$3,336.64

Cost from Phase 1, Part 2..... 10,361.92
Board and Room for 4 men 1 mo. (31 days)
@ $8.00 / day..... 992.00

TOTAL COST PHASE 1, of White Hawk Placer $14,750.56
+ Accountant 300.00
$ 15,050.56

PHASE 2
Part 1

The second drilling phase of 18 additional holes in the White Hawk Basin should start not later than Sept. 1, 1952 and be completed before Oct. 16, 1952. The reason for this is that the road into White Hawk reaches an elevation of over 8,000 feet and an early snow might make it difficult, if not impossible to get the equipment out.

This phase is also dependent on the outcome of the first drilling phase here. If approved we will proceed according to your specifications. The holes will be drilled with the clam shell drill and trucked to the Cascade plant for concentration and magnetic separation.

PHASE 2
Part 2

No heavy road construction is anticipated in this phase of the work. Minor road work will be done with the D4 Cat. which is part of the regular equipment.

DOCKET NO DRBA 2264
White Hawk Placer

Phase 2
Part 3

LABOR AND SUPERVISION
Sept.1, 1952 to Oct.16, 1952:

1.	Driller @$1.75/hr	33 da. str. time	$462.00
		6 da. time& half	126.00
1	Drill helper @ $1.38/hr	33 da. str. time	364.32
		6 da. time & half	99.36
2	Utility men @ $1.27/hr	33 da. str. time	670.56
		6 da. time & half	182.88
1	truck driver @ $1.50/hr	33 da. str. time	396.00
		6 da. time & half	108.00
1	Plant operator @ $1.75/hr	33 da. str. time	462.00
		6 da. time & half	126.00
1.	Plant helper @ $1.38/hr	33 da. str. time	364.32
		6 da. time & half	99.36
	Manager 1½ Mo. @ $400.00/mo.		600.00
	Engineer 1½ Mo. @ $600.00/mo		900.00
			$4,960.80
	Compensation Ins. @ 4%		198.43
	TOTAL LABOR AND SUPERVISION		$5,159.23

Rent of field equipment 1½ Mo. @ $2,925.00	4,387.50
Accounting 1½ Mo. @ $300.00/ Mo	450.00
Field supplies 1½ Mo. @ $1,500.00/Mo	2,250.00
Plant supplies 1½ Mo. @ $50.00/Mo	75.00
Plant power 1½ Mo. @ $50.00/mo	75.00
TOTAL COST PHASE2, OF WHITE HAWK PLACER	$12,396.73

Consumnes Gold Dredging Company.

465 California Street.

San Francisco.

Gentlemen:

It is of considerable interest to us to learn that you intend to produce garnet placer sand at your operation in Cascade, Idaho.

We do a considerable amount of business with abrasives and sand blasting equipment and supplies. Garnet sands are very much in demand for use in sand blasting, and we would be interested in selling your product.

It is difficult to determine the volume of your material we can handle, although if the price is competitive with silica products, there is an unlimited field for it.

We have been able to sell all of the limited amount of garnet sand obtainable, and have sold it to industrial accounts for $90.00 a ton. This meant it cost us approximately $80.00 laid in at our spur in San Francisco, or about $65.00 a ton f.o.b. Idaho.

Garnet sands have not been readily available to western industry, and consequently its high cost has limited the number of industrial accounts which can afford to use it. Our present supplier is endeavoring to reduce the cost and bring it more into competition with silica which sells to the industry from $27.50 to $30.00. In order to move garnet sand in large volume, we believe the industrial market could possibly stand a price of $45.00 a ton delivered to the Bay area. A more competitive price would be from $30.00 to $35.00 a ton retail, which would mean a price to us of $25.00 or less, f.o.b. our warehouse in San Francisco. I am not quite sure if garnet sand has a special rail rate, but it probably could be included under the classification of "General Sand". The freight on "General Sand" from Cascade, Idaho to San Francisco via the Union Pacific Railroad being as follows:-

a). Closed car. -- 40,000 lbs. minimum.

.85¢ per cwt, plus 6% surcharge, plus 3% tax.

b). Open car. -- 40,000 lbs. minimum.

.83¢ per cwt., plus 6% surcharge, plus 3% tax.

Trusting the information contained in this letter may be of some value to you, and looking forward to discussing the subject further when you get your operation underway. with kindest regards , I remain,

Yours very truly,

/s/ E. A. Larkin.
President
Clementina Company.

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

Docket No. DMEA-2264 (White Hawk Placer)

See copy of letter in Docket No. DMEA-2265 (Paddy Flat Placer) transferring both dockets to Region II for comments and recommendations, dated April 21, 1952

2/19/52 gla

IN REPLY REFER TO:

G-MD-DHK

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

February 18, 1952

Memorandum

To: Rare and Miscellaneous Metals Division, DMEA

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Cosumners Gold Dredging Company's application DMEA-2264.

After consultation with A. E. Weissenborn it was decided to concur with E. J. Carlson's recommendation dated February 12, 1952.

Donald H. Kupfer for J J Norton

Donald H. Kupfer

2/12/52 gla

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

February 12, 1952

Memorandum

To: F. L. Knouse, Defense Mineral Exploration Administration

From: E. J. Carlson, S. M. I. B., U. S. Bureau of Mines

Subject: Application D.M.E.A. Docket No. 2264 of Cosumnes Gold Dredging Company for exploration of White Hawk Basin in Valley County, Idaho.

The Special Minerals Investigation Branch has field checked samples from this area and appreciable amounts of monazite, with small amounts of columbium-tantalum-uranium minerals, are noticeable in the black sand concentrates. None of our field engineers have visited the area; but one of our sample foreman visited the basin some years ago and reported fair monazite with 20 million yards, or more, of gravels.

It is recommended:

1. That a loan be granted to drill 10 exploratory holes.

2. That if the analyses of these holes prove promising to the Cosumnes Gold Dredging Company and the DMEA field engineer, the entire program should be approved.

Edwin J. Carlson
EDWIN J. CARLSON

COSUMNES GOLD DREDGING CO.

2/5/52 glm

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1952

Suite 403- 465 California St.,
San Francisco, Cal.,
Feb. 2, 1952.

Mr. Ernest Wm. Ellis, Acting Chief,
Rare & Misc. Metals Div., DMEA,
Washington

Docket DMEA-2264 and 2265

Dear Mr. Ellis:

It has required some time to get the maps and data requested in yours of January 17th. Same and herewith enclosed and I trust are clear and satisfactory. Apparently certain additional steps in regard to some of these claims must be taken in the field next season while we are drilling if results jusify, as noted in Mr. Yost's letter enclosed. We want to get our drilling equipment and crews ready and moved in to the properties at the earliest possible moment that the weather permits.

Assuring you of our appreciation of your kind attention to this matter, I am,

Sincerely yours,

Guy M. Standifer

Guy M. Standifer
Cosumnes Gold Dredging Co.

Sacramento, Calif.,
Jan. 31 ,1952.

Mr. G. M. Standifer,
San Frnacisco,
Calif.

Dear Mr. Standifer,

Inclosed are maps of claims and patented land in Paddy Flat and Kennally fork.

It is impossible to locate the claims exact as it is necessary to make a complete survey to do so. The miners that located the claims have a hard time writing let alone making a discription and tieing it into a legal subdivision. We used the original field notes and located some section corners to to make the present map which is far more accurate than any existing maps. The Loomis homestead was faily easy to locate and we tied in as many of the claims as possible. Due to the unusually early snow we could not proceed further with the work.

It will take a survey party some little time to locate the old corner monuments and survey these claims in according to a legal subdivision. This is part of the work we intend to do this summer and if results prove satisfactory there is considerable land that is open ground that should be taken up in both properties.

The claims in the description called the Full Moon group on Paddy creek have been discontinued as they were found to be on patented land. Also the same is true of the Half Moon #5.

The Claims called the Ilmenite and Zircon were staked by Carrey, Denison , Knutesen, Mrs. Carrey, Mrs. Denison, Mrs. Knutesen, Mrs. Yost and myself. I have attached the discriptions and am getting the power of attorney from all to transfer to the Cosumnes Co. I have also written Mr. Ryan to include the Ranger group of claims in the original option.

The present claims and patented holdings cover the main part of the gravel

but there may be some outside areas that may show up better than the surface indications show.

I think this about covers what the DMA asked for in their letter.

Sincerely yours

Merrill Zeert

Docket # 2264

Sacramento, Calif.,
Jan. 30, 1952.

Mr. G. M. Standifer,
San Francisco,
Calif.

Dear Mr. Standifer,

In reference to the White Hawk Basin claims according to the available maps of the Forest Service it appears that the locators thought they were in section 19 but were actually in section 24 which is in another range. This has been corrected by amendment to the location notices.

The original surveys in this area were made in 1880 and the section corners and witness trees have largely been lost. The locators as near as they could tell were in section19. They could not be sure of any monuments or witness trees so it was largely a guess on their part.

Their claims are correctly located on the ground and take in the main part of the gravel area. According to the Legal opinion of Mr. Ryan and Mr. Remakalus there is no question of the claims being held valid. They have a reasonable length of time to to correct any errors and amend the notices to a legal subdivision.

I think this clears up the part the DMA rightly thought we did not have any of the gravel under lease.

Sincerely yours,

Merrill Yost

ROBERT H. REMAKLUS
ATTORNEY AT LAW
CASCADE, IDAHO

Docket #2264

January 29, 1952

Mr. Merrill Yost
Consumnes Gold Dredging Company
3000 "V" Street
Apartment No. 15
Sacaramento, California

Dear Mr. Yost:

Enclosed are amended location notices of White Hawk mining claims. The original amended notices are of record in the office of the Recorder of Valley County and these copies have his certification thereon.

The description of the claims contained in the amended location notices differ from the description thereof set forth in the contract and it may be necessary to execute a new agreement or a supplement to the old agreement. If any changes are required, please advise the nature of the same and we shall promptly do whatever is necessary to satisfy the government.

Best personal regards.

Very truly yours,

Robert H. Remaklus

Robert H. Remaklus

Encs/4

IN REPLY REFER TO:

G-DM-DHK

1/29/52 [illegible]

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

January 28, 1952

Memorandum

To: Rare and Miscellaneous Metals Div., DMEA

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Cosumnes Gold Dredging Company's application DMEA-2264 on placer claims in White Hawk Basin and in the Paddy Flats area, Valley County, Idaho.

According to Carlson's note of January 22, 1952, the applicants have been requested to give further information, but a copy of the request is not included in the docket.

We have nothing to contribute to the knowledge of this property and probably will concur with the recommendations of the Rare and Precious Minerals Branch of the Bureau of Mines.

Donald H. Kupfer

Donald H. Kupfer

noted
J. L.
1-31-52

January 22, 1952

To: E.W. Ellis, Acting Chief
Rare & Misc. Metals Div., DMEA

From: E.J. Carlson, Engineer of SMIB &
Rare & Precious Minerals Br., Bureau of Mines

Subject: DMEA Docket No. 2264

As stated in your letter of Jan. 17, 1952 to Mr. G.M. Standifer of Cosumnes Gold Dredging Co. the application does not:

1. Show claim maps of area
2. Describe the claims as being in sections of minable ground.
3. At any wording in any part of the application include Section 24 of R7E, T11N which according to the sketch map must contain the largest placer gravels.
4. The "PROPERTY DESCRIPTION: Number 2." describes an entirely distant mining area.

With at least 12 feet of snow covering the area at present, it would be presently impractical to refer this to a field team. Insufficient evidence has been presented, in my estimation, to further consider this application.

Edwin J. Carlson
Edwin J. Carlson

2264 12/29/51
Cosumnes

Map does not indicate location of placer claims

See Carlen

"Property Description No. 2" described property in DMEA 2265

Claims located Section 19
Description of Section 24 not included
#2 Description — Paddy Flats

700
FILE COPY
SURNAME:

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

54 replies
Ellis
Reitler

TR 6211

JAN 17 1952

Mr. G. . tandifer
Consumes Gold Dredging Co.
465 California treet
San Francisco, California

Re: Docket Ch -224
(Monazite)
Valley County, Idaho

Dear Mr. tandifer:

In order to proceed with the review of the above application it will be necessary to have maps showing the property under lease. Each parcel or group of claims should be labeled and reference points in the description should also be indicated.

The description of the White Hawk groups ascribes all four groups to Section 19 Twp11N, R8E, B.M. but the reference point is indefinite.

The section in this application titled "Property Description Number 2" describes part of the property in your Sandy Flat application Docket Ch -265.

If the dashed line on our map indicates the area of gravel to be dredged, it appears that you have none of it under lease.

Sincerely yours,

Ernest W. Ellis, Acting Chief
Rare and Misc. Metals Division
Defense Minerals Exploration
Administration

EAReitler/jem 1-15-52
cc to: Adm. Reading File
Docket
Messrs. Carlson, JJ Rm. 1347
Norton, JJ C-228 GS
Reitler
Ellis
Field Team, Reg. II (20)

1-17-52
J.D.

Subject: DMEA-2264
Re: Exploration Loan
White Hawk #1, 2, 3, & 4

Mr. G. M. Standifer, President
Cosumnes Gold Dredging Co.
465 California Street, Room 403
San Francisco, California

My dear Mr. Standifer:

This will acknowledge receipt of your application dated November 12, 1951 for a loan under the Defense Production Act of 1950.

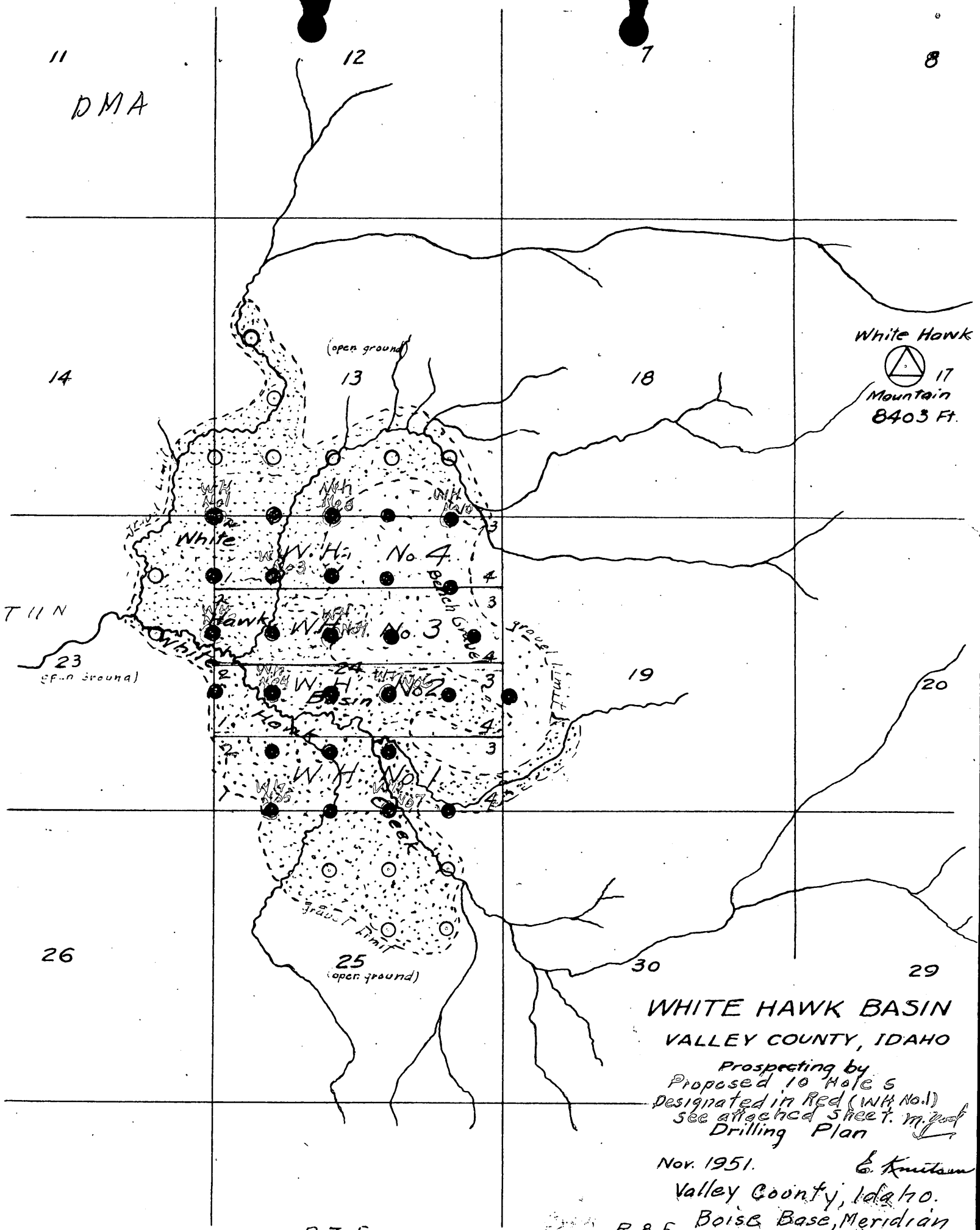
Your application was assigned Docket Number DMEA-2264 and referred to the Rare & Light Metals Branch.

Kindly refer to DMEA-2264 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams, Chief
Reports & Records Unit

7862



WHITE HAWK BASIN

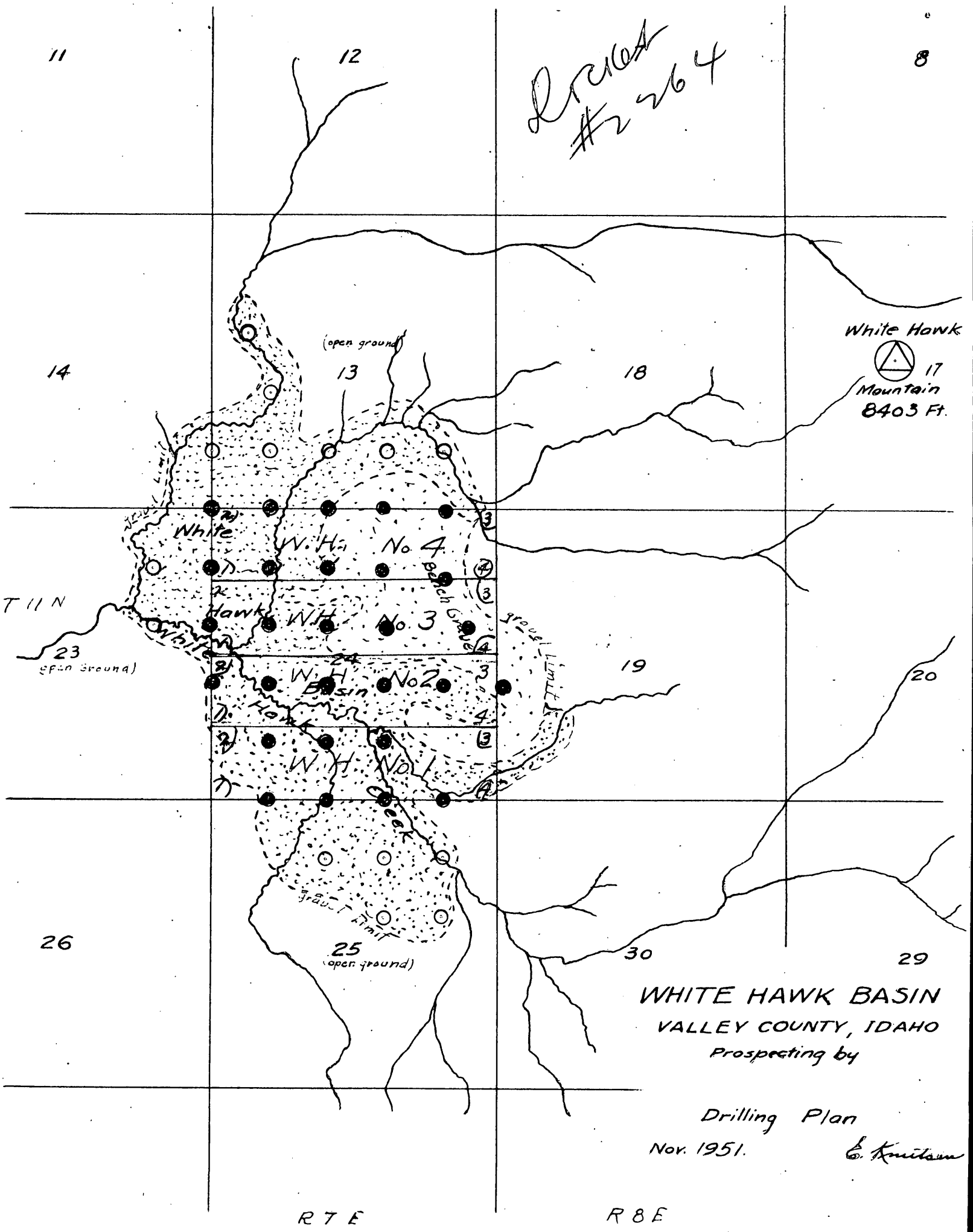
VALLEY COUNTY, IDAHO

Prospecting by
Proposed 10 Hole S
Designated in Red (WH No.1)
See attached Sheet.
Drilling Plan

Nov. 1951.

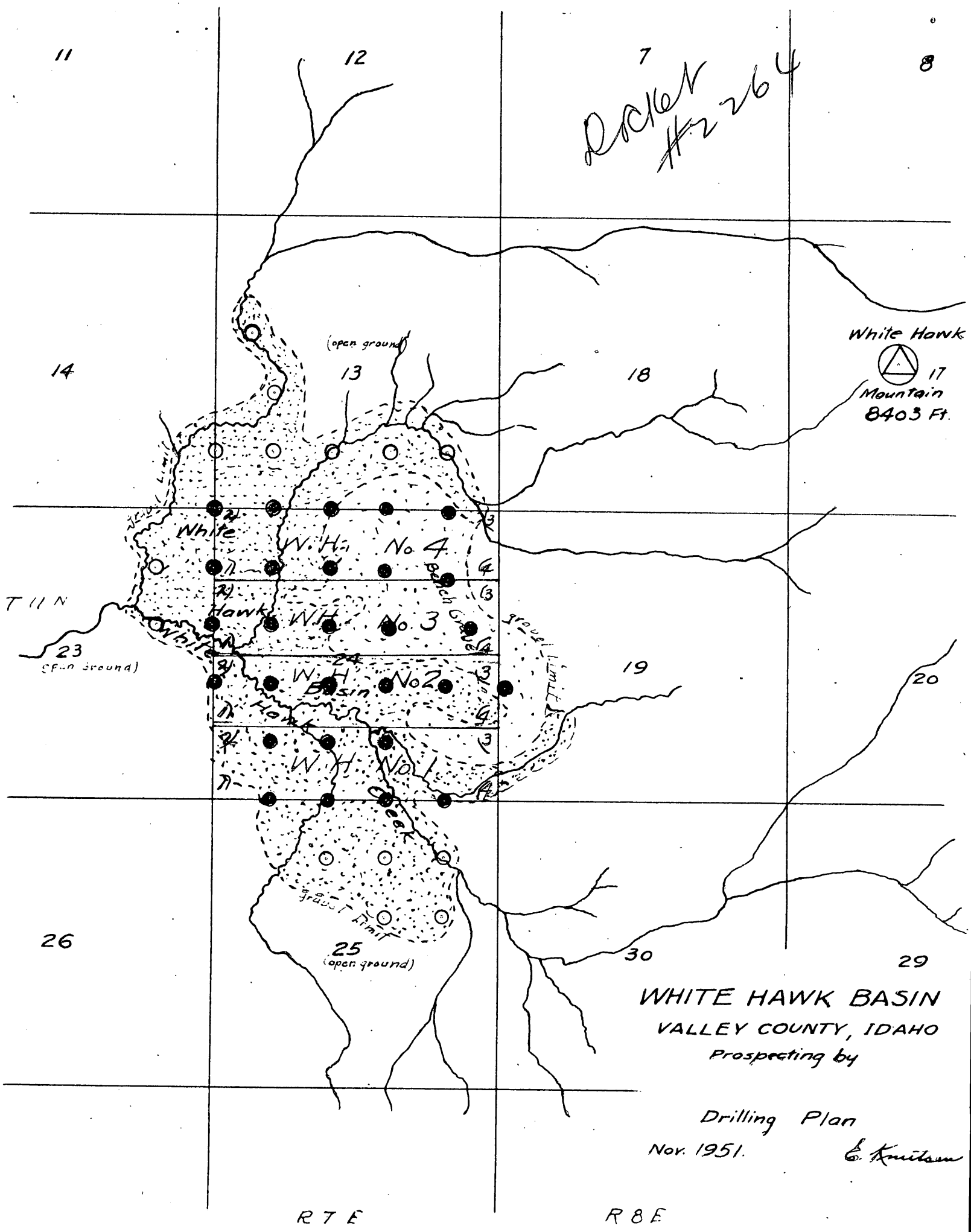
Valley County, Idaho.
Boise Base, Meridian
Claims Under option by
Cosumnes Co

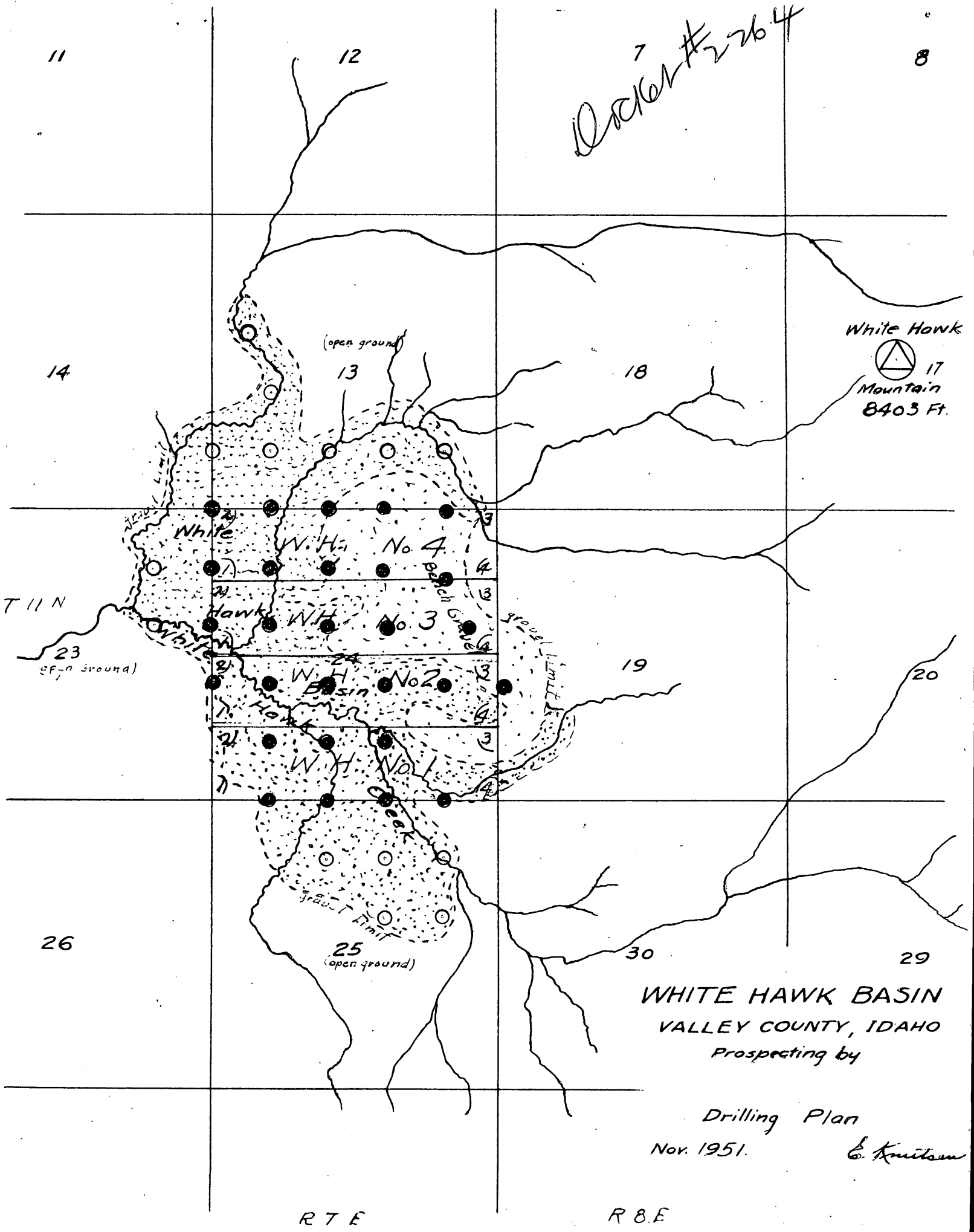
ANNEX. I.

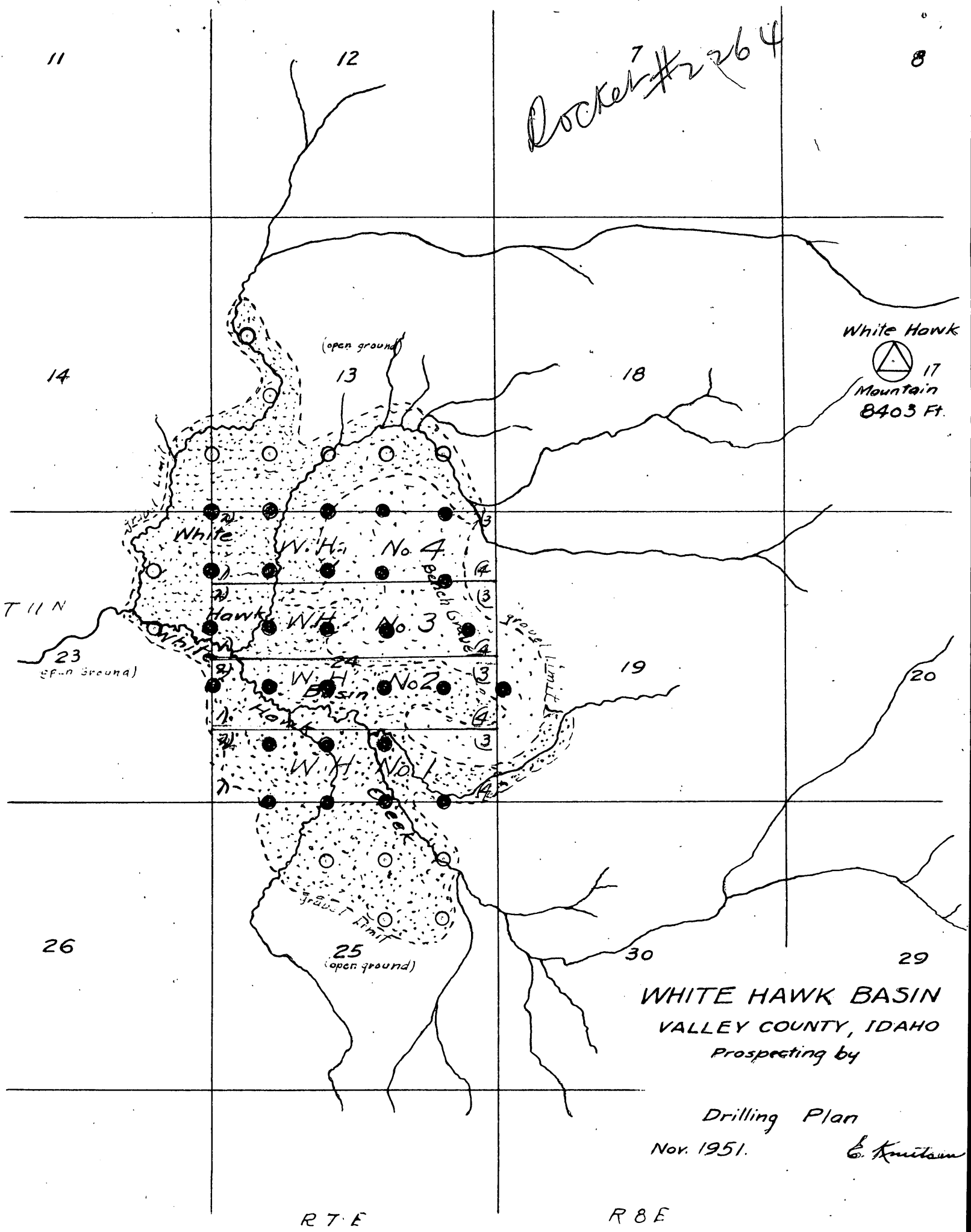


WHITE HAWK BASIN
VALLEY COUNTY, IDAHO
Prospecting by

Drilling Plan
Nov. 1951.
E. Knudsen

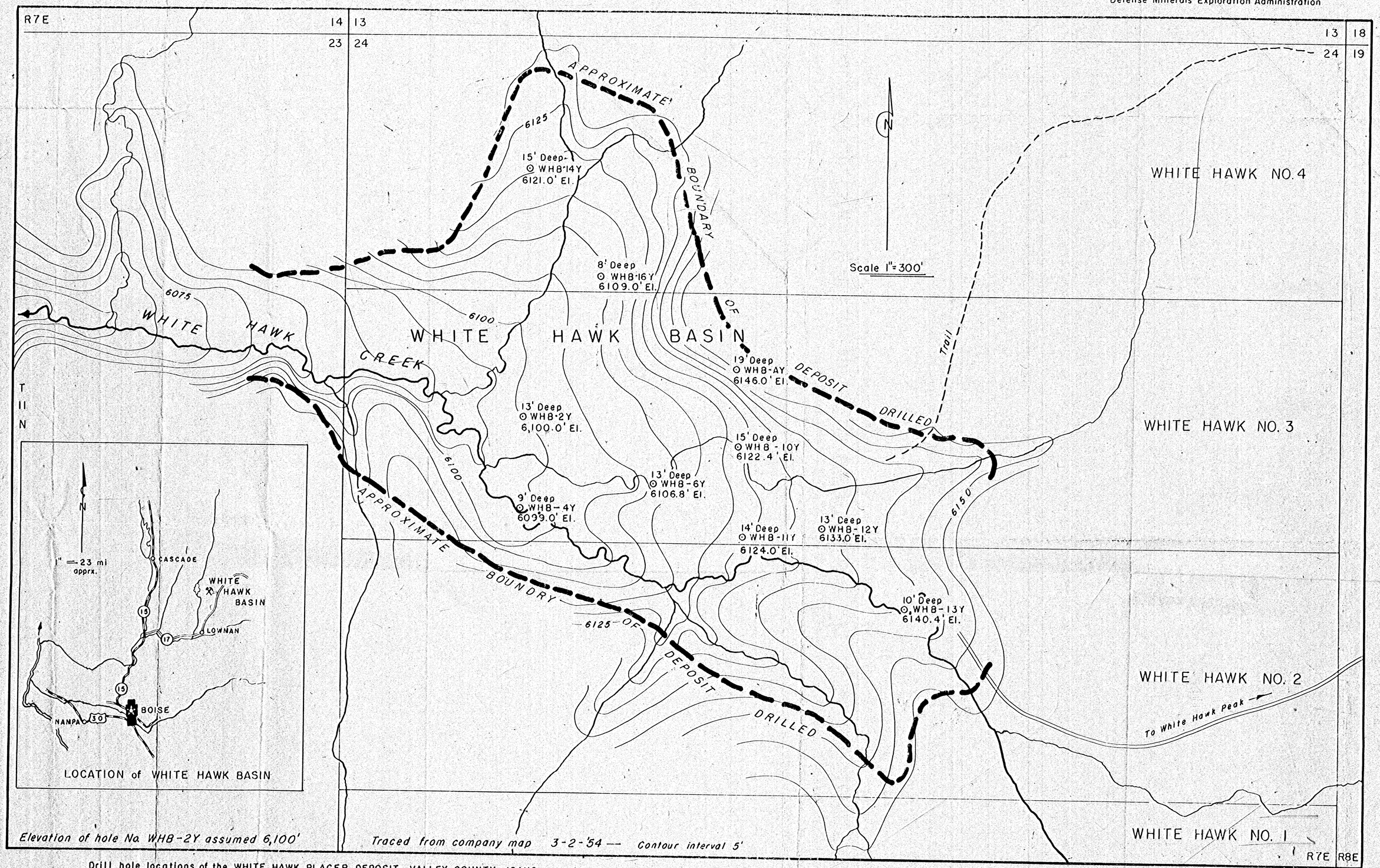

Docket #2-264
11
12
7
8
14
13
18
17
(open ground)
White Hawk
Mountain
8403 Ft.
White
W.H. No. 4
Hawk
W.H. No. 3
Basin
W.H. No. 2
W.H. No. 1
Beach Creek
gravel limit
T 11 N
23
(open ground)
24
19
20
26
25
(open ground)
30
29
WHITE HAWK BASIN
VALLEY COUNTY, IDAHO
Prospecting by
Drilling Plan
Nov. 1951.
E. Kuilman
R 7 E
R 8 E


Docket #2264
11
12
7
8
14
13
18
17
(open ground)
White Hawk
Mountain
8403 Ft.
White
W.H. No. 4
Hawk
W.H. No. 3
Beach Creek
gravel
T 11 N
23
(open ground)
24
W.H. No. 2
Basin
19
20
Hawk
W.H. No. 1
Creek
gravel
26
25
(open ground)
30
29
WHITE HAWK BASIN
VALLEY COUNTY, IDAHO
Prospecting by
Drilling Plan
Nov. 1951.
E. Knudsen
R 7 E
R 8 E


Rocket #2264
11
12
7
8
14
13
18
17
(open ground)
White Hawk
Mountain
8403 Ft.
White
W.H. No. 4
Hawk
W.H. No. 3
W.H. No. 2
W.H. No. 1
Basin
Creek
Beach Creek
gravel
T 11 N
23
(open ground)
24
19
20
26
25
(open ground)
30
29
WHITE HAWK BASIN
VALLEY COUNTY, IDAHO
Prospecting by
Drilling Plan
Nov. 1951.
E. Knittum
R 7 E
R 8 E

U.S. Department of the Interior

Defense Minerals Exploration Administration



Elevation of hole No. WHB-2Y assumed 6,100'

Traced from company map 3-2-'54 — Contour interval 5'

Drill hole locations of the WHITE HAWK PLACER DEPOSIT, VALLEY COUNTY, IDAHO. — Consumnes Gold Dredging Compnay.

Docket No. 2264 (Monazite) — Contract Idm. E-350