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

August 21, 1962

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

Consumnes Gold Dredging Company
c/o Mr. John Eaton
Main 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

W. R. Griswold, Chief
Division of Minerals

See covering letter

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	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	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 _____ Title _____

Address _____ Date _____

4511

REQUEST FOR INFORMATION
FROM OPERATOR ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

From: Field Officer, OME, Region I
So. 157 Howard Street
Spokane 4, Washington

Date: December 22, 1961

Concerning: E 350
Docket No. DMEA-2264 (Monazite, Columbium-Tantalum)
Property White Hawk Placer Claims
Location Valley County, Idaho

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 10 1962

DATE	INITIALS	
1-10		100
1/10		110
1/11		800
1/11	Research	500
	Photo	500
		220

Cosumnes Gold Dredging Company
% Mr. John Eaton
Main at Pine
Cascade, Idaho

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return ~~xxxx~~ two copy to this office with copies of any pertinent documents.

Donald R. MacLaren
Donald R. MacLaren
Acting Field Officer, Region I

1. Since October 1952, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents. Yes ☐ No ☐

No leases in effect. Ownership by original locators.

2. Since October 1952, has there been any production from the property?*Yes ☐ No ☒

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

Submitted by:

Name John Eaton (John Eaton)
Address Cascade, Idaho

Title Agent for owners
Date Ja.2, 1962

MME Form 63 8-60 * Property means land subject to the contract. 79340-60

Excerpt from Region I
list received 2/2/59

Inactive Projects

SEMI-ANNUAL REPORT ON CERTIFIED PROJECTS

July 1 to December 31, 1958

Inactive Since Last Report

Commodity	Contract	Docket	Operator
Antimony	Idm-E173	DMEA-1284	Bradley Mining Company Yellow Pine Mine Valley County, Idaho
	Idm-E258	DMEA-2193	G.O.P. Antimony, Inc. Bales Antimony Okanogan County, Washington
	Idm-E389	DMEA-2559	Earl R. Pilgrim Stampede Antimony Mine Kantishna Mining & Recording Dist., Alaska
	Idm-E400	DMEA-2564	Tillicum Mining Company Cammano Point Antimony Prospect Ketchikan Mining District, Alaska
Monazite	Idm-E118	DMEA-930	Ruby Meadows Mining Company Ruby Meadows Placer Idaho County, Idaho
	Idm-E350	DMEA-2864	Cosumnes Gold Dredging Co. White Hawk Basin Placer Valley County, Idaho
	Idm-E584	DMEA-2781	Verlon W. Vandeventer Hull's Big Creek Property Valley County, Idaho
Tin	Idm-E55	DMEA-842	Zenda Gold Mining Company Cape Mountain Placer District Second Judicial District, Alaska

Semi-annual report on certified projects (July 1 to December 31, 1958)

List received 2/2/59

Commodity	Contract	Docket	Operator
Tin	Idm-E391	DMEA-2228	United States Tin Corporation Lost River Mine Post Clarence Mining District, Alaska
Uranium	Idm-E299	DMEA-2419	Nieminen, Eiselein and Nelligan Lone Eagle Quartz Mine Jefferson County, Montana

Noted by Messrs. Ching and Knouse, Division of Rare and Miscellaneous Metals, on February 2, 1959

August 1, 1958

Memorandum

To: Wingfield H. Chamberlain
Statistics Branch

From: F. L. Kneuse, Acting Director
Division of Ore and Miscellaneous Metals

Subject: Semiannual Reports on Certified Projects
Period: January 1 to June 30, 1958

Region I has advised that the following properties have been inactive since their last report:

Antimony

DMEA-1264	Idm-E173	Bradley Mining Company
DMEA-2193	Idm-E258	G. O. P. Antimony, Inc.
DMEA-2558	Idm-E369	Earl R. Pilgrim
DMEA-2564	Idm-E400	Tilliscum Mining Company

Manganese

DMEA-930	Idm-E118	Ruby Meadows Mining Company
DMEA-2264	Idm-E350	Cosumnes Gold Dredging Company
DMEA-2781	Idm-E384	Verlon W. Vandeventer

Tin

DMEA-842	Idm-E55	Zenda Gold Mining Company
DMEA-2228	Idm-E351	United States Tin Corporation

Uranium

DMEA-2419	Idm-E299	Kleminen, Kinslein and Nelligan

F. L. Kneuse

1201 N. Division St.
Spokane 2, Washington

July 28, 1958

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Semi-annual Reports on Certified Projects

Dear Mr. Selfridge:

Enclosed are four copies each of royalty inspection reports for Region I for the period January 1 to June 30, 1958. These reports have been prepared by Engineers of the U. S. Bureau of Mines.

The royalty report on Peter Antonioli, Docket No. DMEA-3278 (manganese), will be forwarded upon receipt of additional information necessary to complete it.

In accordance with Special Notice No. 931 of the Minutes of the Operating Committee, dated February 14, 1958, we have reported together, grouped by commodities, the properties which have been inactive since the last report.

Sincerely yours,

Wing C. Agnew
Acting Executive Officer
DMEA Field Team, Region I

Enclosures

cc: USGS (2)
USBM (AD)

c
o
p
y

Idm-350 IMEA-226

Consumers Gold Dredging Company
[illegible] Creek Basin, Placer
Valley County, Idaho

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Miscellaneous Metals Division — Date January 28, 1958

Semi-Annual Report - Certified Project — Period July 1, to Dec. 31, 1957

DMEA No. 2264 — Operator Cosumnes Gold Dredging co. (White Hawk) — Contract No. Idm-E 350

Ore Estimates	Ore Reserves ~~Tons~~ yds3	Analysis yds3
Original (DMEA)	3,300,000	0.275# cb+ta plus 0.53# monazite
Increase (Operator)	None	
Total		
Decrease (Production)	None	
Net Available		

Investment None

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

No activity on property for reporting period. Inactive since DMEA project

L. Mc

200338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

ORIGINAL FILE COPY
DMEA
RECEIVED JAN 27 1958

DATE	INITIALS	CODE
1/28	C	220
1/28	Comm	100
		700

Reporting period: July 1 to December 31, 1957

Date of report: December 2, 1957

Operator: Cosumnes Gold Dredging Company
465 California Street
San Francisco, Calif.

Mine name: White Hawk Basin Placer

County and State: Valley County, Idaho

Docket number and commodity: DMEA-2264 (monazite-columbium-tantalum)

Contract number: Idm-E350

Property inactive. No change in royalty status since report of January 1 to June 30, 1956.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

K

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~Rare & Misc. Metals~~ Division Date July 11, 1957

Semi-Annual Report - Certified Project Date 1/1/57 to 6/30/57

DMEA No. 2264 Operator Cosumnes Gold Dredging Co. (White Hawk Basin) Contract No. Idm-E 350

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Project inactive for the above reporting period

JLR

200338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: June 7, 1957

Operator: Cosumnes Gold Dredging Co., 465 California Street, San Francisco, Calif.

Mine name: White Hawk Basin Placer

County and State: Valley County, Idaho

Docket number and commodity: DMEA-2264 (monazite-columbium-tantalum)

Contract number: Idm-E350

Project inactive. No change in status since report of January 1 to June 30, 1956.

Signed: J. D. Bardill (Engineer)

FILE COPY
DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
7/11	P.K.	222
11	[illegible]	165

Distribution:
DMEA (4)
USGS(2)
USBM (AD)
USBM (2)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 1-23-57

Semi-Annual Report - Certified Project Date July 1 to Dec. 31, 1956

DMEA No. 2264 Operator Cosumnes Gold Dredging Co Contract No. Idm-E 350

Ore Reserves

Ore Estimates	~~Tons~~ yds³	Analysis
Original (DMEA)	3,300,000	0.275 lb. Ta/yd³ + 0.53 lb. Nb₂O₅/yd³
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Production suspended for report period.

Thomas

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 22 1957
D.M.E.A.

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 14, 1956

Operator: Cosumnes Gold Dredging Co., 465 California Street, San Francisco, Calif.

Mine name: White Hawk Basin Placer

County and State: Valley County, Idaho

Docket number and commodity: DMEA-2264 (monazite-columbium-tantalum)

Contract number: Idm-E350

Project inactive. No change in status since report of January 1 to June 30, 1956.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 7-17-56

Semi-Annual Report - Certified Project Date Jan. 1 to June 30, 1956

DMEA No. 2264 Operator Cosumnes Gold Dredging Co. Contract No. Idm-E 350

Ore Estimates	Ore Reserves Tons (yds³)	Analysis
Original (DMEA)	3,300,000	0.275 # Cb+Ta/yd³ & 0.53 # monazite/yd³
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Protactinium

JAC

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 13 1956

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1956 Date of exam: June 7, 1956

Operator: Cosumnes Gold Dredging Co., 465 California Street, San Francisco, Calif.

Mine name: White Hawk Basin Placer

County and State: Valley County, Idaho

Docket number and commodity: 2264 Monazite-columbium-tantalum

Contract number: Idm-E350

Date of contract: June 23, 1952

Date of certification: August 19, 1954

Expiration date of royalty payments: June 23, 1962

Total amount of contract: $20,004.00

Total expenditures under contract: $ 8,881.79

Amount of Government participation at 90%: $ 7,993.61

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

Percent Government participation repaid: none

Royalty due on production to date: none

Royalty remarks: Royalty audit by C. E. Fisher, dated July 1, 1955

Date _____ 1955

Turned to:

1. ~~Mr. Hrostowski~~
2. ~~Mr. Johnson~~
3. ~~Mr. Hughes~~
4. Docket Control Mails and Files
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Bleak outlook!

2.

3.

4.

and take appropriate action.

- - - - - -

Action taken by Division:

_____
Initials

Original estimate of reserves (from final Engr.-Geol. report):	3,300,000 cu. yds. of gravel containing an estimated 0.275 lb. columbium-tantalum concentrate and 0.53 lb. monazite per cu. yd.
Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	none
Revised estimate of reserves:	none
Production this period:	none
Amount of previous production (since date of contract):	none
Total DMEA production to date:	none
Percent of revised reserves mined:	none

Production remarks:

The Operator has surrendered his lease with the landowners. It is doubtful that this property will have a production in the foreseeable future because of its inaccessible location, relatively small reserves, and no current market for monazite.

Other remarks:

A trip into Bear Valley as far as the Porter Bros. placer operation on June 7, 1956 disclosed the valley road was washed out and heavy snows were still on the ground in the mountains. Inquiry revealed that there had been no activity in White Hawk Basin since the DMEA project.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc Metals Division Date 6-8-56

Semi-Annual Report - Certified Project Date 7-1-55 To 12-31-55

DMEA No. 2264 Operator Cosmines Gold Dredging Company Contract No. Idm-E 350

Ore Estimates	Ore Reserves ~~Tons~~ yds³	Analysis
Original (DMEA)	3,300,000	0.275# Ch+Ta/yd³ & 0.53# Monazite/yd³
Increase (Operator)	NONE	
Total		
Decrease (Production)		
Net Available	SAME AS ORIGINAL	

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Operator has surrendered his lease with landowners

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-2264
Contract No.: Idm-E350

Operator: Cosumnes Gold Dredging Company, 465 California Street, San Francisco, Calif.

Commodity: Monazite-columbium-tantalum

Mine name: White Hawk Basin Placer

County: Valley
State: Idaho

Date of contract: June 23, 1952

Date of certification: August 19, 1954

Expiration date of royalty payments: June 23, 1962

Date of examination for this report: No examination since June 21, 1955

Total amount of contract: $20,004.00

Total expenditures under contract: $ 8,881.79

Amount of Government participation at 90%: $ 7,993.61

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

% Loan repayment completed: none

RECEIVED
JAN 9 1956

Amount of royalty due: none

Royalty remarks: Royalty audit by C. E. Fisher, dated July 1, 1955

Original estimate of reserves
(from final Engr.-Geol. report): 3,300,000 cu. yds. of gravel containing an estimated 0.275 lbs. columbium-tantalum concentrate and 0.53 pounds monazite per cubic yard

Increase (or decrease) of reserves by work performed subsequent to expiration or termination of contract: none

Revised estimate of reserves:

Production this period (ore or concentrates): none

Amount of previous production (since date of contract): none

Total DMEA production to date: none

% of revised reserves mined:

Production remarks:

The Operator has surrendered his lease with the land-owners. It is doubtful that this property will have a production in the foreseeable future.

Other remarks: (Investments, etc.)

Signed: John D. Bardill (Engr.)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

RECEIVED
JUL 0 8 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 to June 30, 1955

Docket No. DMEA 2264 (monazite-columbium-tantalum) Contract Idm-E350

Operator: Cosumnes Gold Dredging Company
465 California Street
San Francisco, Calif.

Name of mine: White Hawk Basin Placer Deposit

County: Valley State: Idaho

Date certified: August 19, 1954 Date of last inspection: June 21, 1955
Inspection engineer: J. D. Bardill
DMEA Auditor: Clarence Fisher

Contract amount: $20,004.00

Amount spent: $ 8,881.79 Government participation: $7,942.91

Amount repaid to date: none

Reserves: 3,300,000 cu. yds. calculated, containing
0.2751 lbs. $(Cb,Ta)_2O_5$/cu.yd. or 907,830 lbs.
0.53 lbs. monazite/cu.yd. or 1,749,000 lbs.

Remarks: The ten drill holes in a portion of the deposit indicate that this deposit may be too small for a large bucketline type dredge; however, it might be readily and economically mined by a dragline dredge plant.

Mr. John Eaton, who represents the other property owners, advised Mr. Bardill at Cascade, Idaho, on June 21, 1955, that the Operator had terminated their lease about July 1, 1953 and that no work had been done there since.

Production Summary: There has been no production from this property.

Distribution:
DMEA (4)
USGS (2)
USBM (2)
USBM (AD)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB - 3 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954 to December 31, 1954

Docket No. DMEA 2264 (monazite-columbium-tantalum) Contract Idm-E350

Operator: Cosumnes Gold Dredging Company
465 California Street
San Francisco, Calif.

Name of mine: White Hawk Basin Placer Deposit

County: Valley State: Idaho

Date certified: Aug. 19, 1954 Date of last inspection: See "Remarks".

Contract amount: $20,004.00

Amount spent: $ 8,881.79 Government participation: $7,942.91

Amount repaid to date: none

Reserves: 3,300,000 cubic yards calculated, containing
0.2751 lbs. $(Cb,Ta)_2O_5$/cu.yd. or 907,830 lbs.
0.53 lbs. monazite/cu.yd. or 1,749,000 lbs.

Remarks: The ten drill holes in a portion of the deposit indicated about 3,300,000 cubic yards of gravel having an average depth of 13 feet containing recoverable monazite and columbium-tantalum concentrate estimated to have a gross value of about $3,412,000.

Although this deposit may be too small for a large bucketline 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 dredge which they intended for mining the deposit.

The deposit may be considerably larger than is indicated by the limited drilling of this project.

The property is checked on intermittently when an engineer is in the district.

Semi-Annual Report - Contract Idm-E350

Production Summary: There has been no production from this property.

Distribution:
DMEA, Wash. (4)
USGS (2)
USBM (2)
Certifying Officer

The totals were carried forward from the previous MF-104 incorrectly on the copies of the MF-104 sent you yesterday, contract Idm-E350. The Operators figures do not require changing, but the figures in the column "Approved Totals Previously Reported" under "For Government Use Only" should be changed to the ones shown on these Corrected Copies.

DEPARTMENT OF THE NAVY
Defense Materiel Administration
RECEIVED
JAN 12 1953

Form MI-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
CORRECTED COPY
RECEIVED
JAN 12 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2264 Contract No. 350
Operator's Name Cosumnes Gold Dredging Co. Minerals Monazite
Address P.O. Box 7, Redmountain California Columbium, Tantalum
Contract Amount, $20,004.00 Government Participation: 90 % Amount, $18,003.60

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Road Building						
Bulldozing & Cat. Haul.	None	2,700.00	2,700.00		2,700.00	2,700.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	None	1,354.29	1,354.29		1,354.29	1,354.29
Supervision	None	360.00	360.00		360.00	360.00
Technical Services						
(3) Operating Mat'ls. and Supplies:			570.16			
Timber Gas and Oil	6.21	563.95	570.16	6.21	563.95	570.16
Explosives Repairs	37.68	548.58	586.26	37.64	548.58	586.22
Pipe Misc. Supplies	11.85	50.00	61.85	11.85	44.30	56.15
Track Sample Plant	None	59.45	59.45		50.00	50.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	None	303.95	303.95		303.95	303.95
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	None	1,476.06	1,476.06		1,476.06	1,476.06
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	20.80	530.00	550.80	20.80	530.00	550.80
Payroll Taxes	None	136.29	136.29	None	136.29	136.29
Liability Insurance						
(8) Contingencies (specify):						
Lodging and Meals	None	1,118.90	1,118.00		1,118.00	1,118.00
TOTALS	76.54	9,235.42	9,311.96	76.50	9,235.42	9,311.92

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec. 12, 52 *Payee Cosumnes Gold Dredging Co.

Per /s/ Merrill Yost Title Gen. Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 68.85

Signature /s/ RJH (Authorized Certifying Officer)

Date 1/6/53 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E350 in accordance with the terms of the contract.

Signature /s/ John D Bardill Title Mining Engr. Date 1/5/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Min Engr. Date 1/5/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval Expires 6-30-53.

DEPARTMENT OF THE INTERIOR
RECEIVED
JAN 6 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 2 Docket No. DMEA 2264 Contract No. 350

Operator's Name Cosumnes Gold Dredging Co. Minerals Monazite, Columbium, Tantalum

Address P.O. Box 7, Redmountain, California

Contract Amount, $ 20,004.00 Government Participation: 90 % Amount, $ 18,003.60

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Road building						
Drilling: 4 Cat. Haul.	None	2,700.00	2,700.00		2580.00	2580.00
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:	None	1,354.29	1,354.29			
Labor	None	360.00	360.00		643.63	643.63
Supervision					360.00	360.00
Technical Services						
(3) Operating Mat'ls. and Supplies: Gas and Oil	6.21	563.95	570.16			
Timber		548.55	586.26	6.21	337.34	343.55
Explosives: Repairs	37.68	50.00	61.85	37.64	539.52	577.16
Pipe: Misc. Supplies	11.85	59.45	59.45	11.85	39.35	51.20
Track: Sample Plant	None				50.00	50.00
(4) Operating Equipment:						
Rental						
Purchase		303.95	303.95	—0—	210.41	210.41
Depreciation	None					
(5) Initial Rehabilitation and Repairs	None	1,476.06	1,476.06	—0—		
(6) New Bldgs., Improvements, etc.				—0—	1476.06	1476.06
(7) Miscellaneous:	None	530.00	530.00			
Repairs to Equipment	20.80	530.00	550.80	20.80	530.00	550.80
Sampling and Analysis	None	136.29	136.29		79.79	79.79
Payroll Taxes						
Liability Insurance: Accounting	None	50.00	50.00		50.00	50.00
(8) Contingencies (specify): Lodging and Meals	None	1,118.00	1,118.00		1118.00	1118.00
TOTALS	76.54	9,235.42	9,311.96	76.50	8014.10	8090.60

I certify that the above bill is correct and just and that payment therefor has not been received.

Date December 12 52 *Payee Cosumnes Gold Dredging Co

Per Merrill Yost Title Gen. Manager.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 68.85

Signature [illegible]
(Authorized Certifying Officer)

Date 1/6/53 Vou. No.

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idaho-E-38 in accordance with the terms of the contract.

Signature [illegible] Title Materials Engr Date 1/5/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr Date 1/5/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

[illegible] Hawk Basin:

3. Gas and Oil
John Eaton Check #112.....$6.21

Repairs:
Cascade Auto Co...Check #103..... 37.68

Misc. Supplies
For Microscope Light Bulbs.....
Braun-Knecht-Heimann ...Check #117..... 10.00

Boise Payette Lumber Co Check..104..... 1.85

7. Shipping Samples:

Rail Road ..... By cash..... 7.76

Freights for Samples..... Check 104 13.05
Boise Payette Lumber Co

76.54

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 295 Docket No. DME 2264 Contract No 350
Operator's Name Cosumnes Gold Dredging Co. Mineral Monazite,
Address P.O. Box 7, Redmountain, California Columbium, Tantalum

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core Diam								
Churn Shell	lft.	None	None	2,101.32	116	18.11		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		None	75	2,101.32				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs			75	2,101.32				

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

Date December 12 Operator Cosumnes Gold Dredging Co.

Per Merrill Graf Title General Manager.

→ NOTE.—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.

(Instructions on reverse)

Remarks: Field work suspended on property

Merrill Graf

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

REDMOUNTAIN, CALIFORNIA

DECEMBER 20, 1952

PROGRESS REPORT: WHITE HAWK BASIN for NOVEMBER 1952

Phase 1

All samples were sacked and transported to Redmountain where the facilities of the Cosumnes Company were used to make closer studies of the concentration and separtion of the Sands.

It was decided not to make the analysis for Rare Earths, Uranium, Columbium and tantalum until it could be determined by the bureau of mines were of commercial nature and quantity.

Also the magnetic separtion has been held up until the above results are obtained.

Sincerely yours,

Merrill Yost

Merrill Yost

General Manager

Cosumnes Gold Dredging Co.

Form MF-104 (Rev.)
(April 1952)

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 223 Contract No. 350
Operator's Name Cosmos Gold Dredging Co. Minerals Monazite,
Address P.O. Box 532, Cascade, Idaho Columbium, Tantalum
Contract Amount, $23,024.00 Government Participation: 90% Amount, $15,023.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Road Building	120.00	2,580.00	2,700.00			
Bulldozing Cat hauling						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	710.66	623.63	1,334.29			
Supervision	None	360.00	360.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Gas & Oil	26.61	343.12	369.73			
Explosives Repairs	9.06	539.52	548.58			
Pipe Sample Plant	11.96	61.50	73.46			
Track Misc. Supplies	None	72.50	72.50			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	93.54	230.41	323.95			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	None	1,476.06	1,476.06			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	None	930.00	930.00			
Payroll Taxes	56.55	90.82	147.37	56.50		
Liability Insurance						
Accounting	None	90.00	90.00			
(8) Contingencies (specify): Lodging & meals at work site for men	None	1,118.50	1,118.50			
TOTALS	1,021.37	8,068.96	9,090.33	1021.32	8014.10	9235.42

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 11/4/52 *Payee Cosmos Gold Dredging Co.

Per Merrill Yost Title Gen. Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 919.19

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 2 Docket No. DMEA 2264 Contract No. 350
Operator's Name Cosmos Gold Prospecting Co. Minerals Monazite
Address Box 572, Concrete, Wash. Tantalite - Columbite

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger Drill	ft.	472.06	75	2,101.32	116	18.11		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		472.06	75	2,101.32				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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

Date Nov. 5, 1952 Operator Cosmos Gold Prospecting Co.

Per [signature] Title Gen. Manager.

Remarks: Due to shallow ground and moving equipment to site each unit the actual drilling costs are high. Testing plant and sample transportation not included.

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

WHITE HAWK BASIN OCTOBER REPORT.

Hole No.	Depth in Feet
11y	14
10y	15
A-Y	18
4y	9
2y	13
16y	9
13y	10

TOTAL HOLES 7 Total Ft. 75

DRILLING COSTS:

W. T. Beanum.....	208.50	
Robert Patton.....	10166	
Ed. Zietlow.....	52.50	
	310.16	
Payroll Taxes @7.95	24.73	
		334.89
Gas and Oil.....	26.61	
R pairs.....	9.06	
Accounting.....	12.50	
	48.17	48.17

Depreciation:

Drill.....	9,000.00	
Pick Up..... ..	1,500.00	
	10,500.00	
½ on 5 year basis.....		57.00
		470.06

Feet of Holes Drilled 75

Cost per. Ft. 6.26

[illegible]

October Report:

(1) Independent Contractor:
Moving out from [illegible] Dam Basin.....[illegible] Allowable $120.00
Check # 97

(2) Payroll # 7

Labor.....	710.66	
Supervision (Not Allowable)	[illegible]	
	910.66	710.66

(3) Gas and Oil:
Coleman Inn (c 28)..... 3.50
Standard Oil..... [illegible].11
I sent in our report to you before the statement arrived from the town that we had saved. Hence the difference as the employee's lost some of our tags. Here are the duplicate copies. Also showing you the difference. Disregard the 1[illegible].[illegible] balance from last month. 26.61

Repairs:

Sonnelly Auto Co.	9.26	
Power for machine plant Check [illegible]	5.[illegible]	
	14.01	14.01

(4) [illegible]:

Screen for sample plant	150.00	
Minor equipment. Knife purge tools etc.	750.00	
Caliper Counter	315.00	
Claw Shell Drill mounted on a 2 ton Dodge truck	2,[illegible]	
[illegible] ton G. A. C. pick up	1,[illegible]	
6 month on a five year Scale	11,[illegible]	[illegible]

(7) [illegible]:

State Comp @ 3.75	[illegible]	
State Unemp. 2.7	15.01	
Fed. [illegible] 1.5	10.[illegible]	
	50.[illegible]	[illegible]
		1,[illegible].77

Progress Report for Oct. 1952.

White Hawk Basin, Phase 1.

The first phase of the field work and drilling was completed on Oct. 7, 1952. All equipment except the drill was moved to Cascade, Idaho. The washing of the samples was completed Oct. 15, 1952.

The ground proved to be shallow. The peculiar thing about the gravel is that the upper half carried mostly monazite. The bottom half the monazite decreased and the Radio actives predominated.

The bedrock in every instance was a soft decomposed granite and flat and even over the whole area.

The monazite and radio actives are in White Hawk creek mainly. The large tributary to the North shows very little of either. In fact there is very little gravel.

I believe the values in the main White Hawk creek extend for probably 1½ miles above the property line as the surfacr inspection made by me showed good values both in the creek and the bench gravels.

The gravel is loose and easily dug and contains coarse cobbles up to 20 inches in size. It is well rounded for a creek of this size.

In concentrating the samples it was found that there was quite a fraction of radio active blacks in the plus 10 mesh and minus ¾ inch. All these fractions were saved except the first two as it was not found at first. This oversize concentrated to the heavy solution of actylene tetrabromide in a labratory way.

Form MF-104 (Rev.)
(April 1952)

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of _____, 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $ _____ Government Participation: _____%

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing				2580.00		
Crosscutting	2,580.00		2,580.00			
Drifting						
(2) Labor and Supervision:						
Labor				643.63		
Supervision	643.63		643.63	360.00		
Technical Services	360.00		360.00			
(3) Operating Mat'ls. and Supplies:						
Timber				337.34		
Explosives	337.12		337.12	539.52		
Pipe	539.52		539.52	39.35		
Track	72.00		72.00	50.00		
	50.00		50.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	210.41		210.41	210.41		
(6) New Bldgs., Improvements, etc.				1476.06		
(7) Miscellaneous:	1,476.06		1,476.06			
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	530.00		530.00	530.00		
Liability Insurance	90.82		90.82	79.79		
	50.00		50.00	50.00		
(8) Contingencies (specify):	1,118.00		1,118.00	1118.00		
TOTALS	8,014.10		8,014.10	8014.10		8014.10

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Oct 14, 52 *Payee _____

Per Merrill Yost Title Gen Mngr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 7212.69

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm 350 in accordance with the terms of the contract.

Signature [illegible] Title [illegible] Date Oct. 16, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 2 Docket No. DMEA 2264 Contract No. 350

Operator's Name Cosummes Gold Dredging Co Minerals Monazite

Address P.O. Box 532, Cascade, Idaho Columbium, Tantalum

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn ~~xxx~~ Clam Auger Shell	1 Ft.	1,631.28	41	1,631.28	41	39.78		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,631.28	41	1,631.28				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date Oct 14, 52 Operator Cosummes Gold Dredg.

Per Merrill Goat Title Gen Mgr

REMARKS:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

To supplement Form mf-104A

Hole No.	Depth in Ft.
14Y	15'
6Y	13'
12Y	13'

Total of Holes 3 .....41 Ft.

DRILLING COSTS:

W. T. Bennun	84.75	
Robert Patton	79.40	
Ed. Zietlow	60.00	
	227.15	
Supervision	125.00	
	352.15	
Payroll Taxes Etc. 47.95	29.99	
		382.14
Gas and Oil	343.12	
Repairs	539.52	
~~Entertaining~~	~~12.50~~	
Cat. Moving	180.00	
Accounting	12.50	
	1,075.14	1,075.14
DEPRECIATION:		
Drill	9,000.00	
Pick up 1/2 of 1,500.00	750.00	
Auto 1/2 of 1,500.00	750.00	
One month on 5 year basis	10,500.00	175.00
		1,631.28

Feet of Holes Drilled 41

Drilling Cost per ft. $39.78

(1) Independent Contracts:

Road const. D.D.& Cat. 4.7 miles of road building:

211 hours operating time $12.00 per hour..... $2,532.00

(Allowable).....Check 1[illegible].79 2,411.00 — 2,411.00

Moving Cat with loser from Cascade to U.S.S. Check-78 150.00 — 150.00

— 2,561.00

(2) Labor 643.63

Supervision..... 500.00 — 360.00(allowable) — 1,003.63

1,143.63

(3) Operating Material and Supplies:

Gas and Oil

Standard Oil Co.....Check # 95.....11.20

Standard Oil Co.....273.30

General Pet. Co.....Check #[illegible] 50.67

Lehman Inn.....Cash..... 1.75

343.12 — 343.12

Repairs:

Southern Idaho Equipt.....Check #87 305.30

Cascade Auto.....Check #84 228.74

Olsen Mfg. Co.....Cash 5.48

539.52 — 539.52

Misc. Supplies:

Cascade Sort. Co.....Check #85 30.30

Whitson Drug Store .....Check #81 3.00

Charles H. Bailey.....Check #82 16.10

Jensen-Graves Co..... Check #49 6.10

Capitol Lithograph & Col.Check #70 16.90

72.40 — 72.40

Camp & Const. Plant Supplies:

Morris & Crutcher.....Cash..... .90

Shaver's Gen. Merchandise.Cash..... 1.22

Braun-Knecht-Heimann.....Check # 81..... 26.40

Tascio-Jaye Hardware Co..Cash..... 3.85

Union Pacific R.R.....Cash..... 7175

American Tractor Co.....Cash..... 6.14

Ali's transfer .....Check 363..... 1.00

Mrs. Charles Gofer.....Cash..... 5.00

54.50 — 54.50

(5) Permanent Plant:

Screen for sample plant 150.00

Minor equipt. units pump, tools, etc. 150.00

Geiger Counter 225.00

Class shell drill mounted on a 2-ton Dodge truck, including portable compressor power 9,000.00

1/2 ton G.M.C. 1941 model pickup truck 1,500.00

Chrysler 1945 model Automobile..... 1,500.00

(One month depreciation) on five year 12,775.00 — 210.41

(6) Mill Equipment:

Building Material Weiss Doyette Lumber. 491.81

Building Material Frank Callender 205.92

697.73 — 697.73

Equipt. Inst. for power & water at sample plant, Material water system.... H.J.Sand 150.80

Plant and Office Equipt. Braun Knecht. 494.63 — (Allowable)

645.43 — 500.00

Collection of equipt. & Material at Sloughhouse, Calif. and installing same at work site.

Labor..... 104.00

Labor..... 1,028.33

Supervision & Co.... 300.00

Lodging & meals of workmen 96.00

1,528.33 — 1,528.33

1/2 of the above for Contract 3265.....5,926.06

Stiburek Plumbing Co..... ..... 26.05

1/2 of the above for Contract 3265 — 1,476.06

All invoices for new buildings and tags were turned into you for Stage I Reddy Flat Contract 2865 ...IDI 351

(7) Sampling and Analysis:

Transportation of samples from White Hawk Basin.Check#81.			$533.00
Payroll Taxes.			
State Comp	$3.75.....	$2.89.....	
State Unep.	$2.711111....	$0.58	
F. A. OA.B..	$1.3.....	17.15	
		93.82	93.82
Accounting: .....Check # 77		50.00	50.00
Lodging and meals at work sites $100 per day per man 147 days.....			1,118.00
			8,008.46

White Hawk Basin, Phase 1.

Progress report for September, 1952, Grangeville, Idaho.

The equipment was readied and the crew moved to White Hawk Basin the fore part of September. In putting in the pioneer road it was found that there was a mistake in estimating the length of the road. This was due to having to make the estimates from aerial photos as the White Hawk Basin was added in the dead of winter to this project and the route of the road could not be gone over at that time. There was 4.7 Mi. instead of 3 Mi. as estimated. Due to the inaccuracy of any available maps there was a drop of over 3000 ft. instead of 2000 ft. as was shown on the maps. The Forest Service specifications for a pioneer road for a temporary operation of this nature are left up to the district ranger. In this case we proceeded with the road and the district ranger went over the first part. He was notified when the road was finished in the basin. It was several days before he went over this road and it was due to a fire they had in the vicinity of the basin. They used the road to put out the fire and at that time we had finished the drilling and had moved the camp and all equipment out to Grangeville and were hauling the samples out. The Caterpillar was left near The Bear Valley road while a trucker was found to move it out. The district ranger put a hot on the cat not to be moved until he had gone over the road and it was constructed to his own ideas. The caterpillar was moved out later as soon as it was found the district ranger had no right to hold the equipment. It is his insistence that the road will have to be put in according to his specifications. The road was meant to be only a pioneer road to take out the samples. We hauled out several yards of samples as well as a 2½, ton truck with a drill weighing over 6 tons. I do not think it is necessary to make any better road and do not propose to go back there at great expense just for the whims of some district ranger of the forest service. If a 2½ ton truck overloaded and too heavy as the

drill we used in drilling White Hawk Basin is can be driven into the basin and out under its own power it seems a little absurd to make a better road for the use of the Forest Service.

By the first of October three holes had been completed, Nos. WH-14-Y, WH-12-Y and WH-6-Y. The depth of the ground was rather disappointing. From surface examination it was thought to be about 30 Ft. in depth but the drilling proved to be only about 15 Ft. The gravel was well washed and typical dredging ground with a soft decomposed granite bedrock.

The concentrates will run about 15 lbs per Cu. Yd. In the concentrate the Monazite will run between 7 and 10 % by estimation. There is very little magnetite and Ilmenite. Garnet predominates with considerable heavy black radio actives I believe are Samarskite and Euxenite which was later confirmed at Albany.

In screening out at the concentrating plant it was found that there was as much or more of the radio actives in the plus 10 mesh up to ½ In as there was in the minus 10 mesh. The oversize was saved for further work. In my opinion these samples can be run direct for Rare Earths Uranium and Columbium without the samples having to be separated magnetically first. I do not think there are any other minerals of a commercial quantity. The drill work on the first Phase was finished about Oct. 10 and the drilling equipment moved to Cascade.
It will be necessary to work out the separation of the Monazite and Radio actives. This could be accomplished at the Laboratory we have at Red Mountain Calif. where we have all the necessary facilities except the assaying of the products. We also have a 200 Lb. per hr. heavy media separation plant that will be necessary for the plus 10 mesh. Due to the cold winters at Cascade I believe this work could be done more easily at the California operations.

Sincerely yours,
C.C.D.C.O.
Merrill Gosf
Gen Mngr.