

PLACER GOLD REPORT

OF THE

ORB#1(1365), ORB#2(1357), ORB#3(1358), ORB#4(1406)
ORB#5(1563), ORB#6(1564), ORB#7(1565). MINERAL CLAIMS

SUNDAY CREEK AREA - SIMILKIMEEN MINING DIVISION
BRITISH COLUMBIA

LOCATION: 20 kilometers S10⁰W of Princeton, B.C.
49⁰15'N Latitude
120⁰34'W Longitude

92H/7E & 2E

WRITTEN FOR: Emerald Star Mining Explorations Ltd.

OWNER AND OPERATOR: Emerald Star Mining Explorations Ltd.
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DATE: 9 December 1982

part C

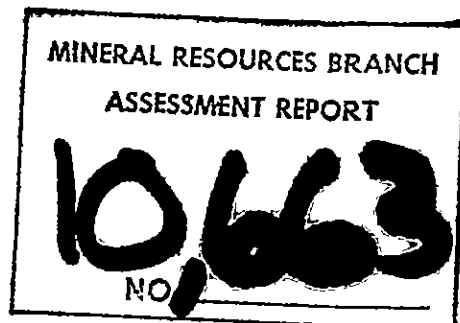


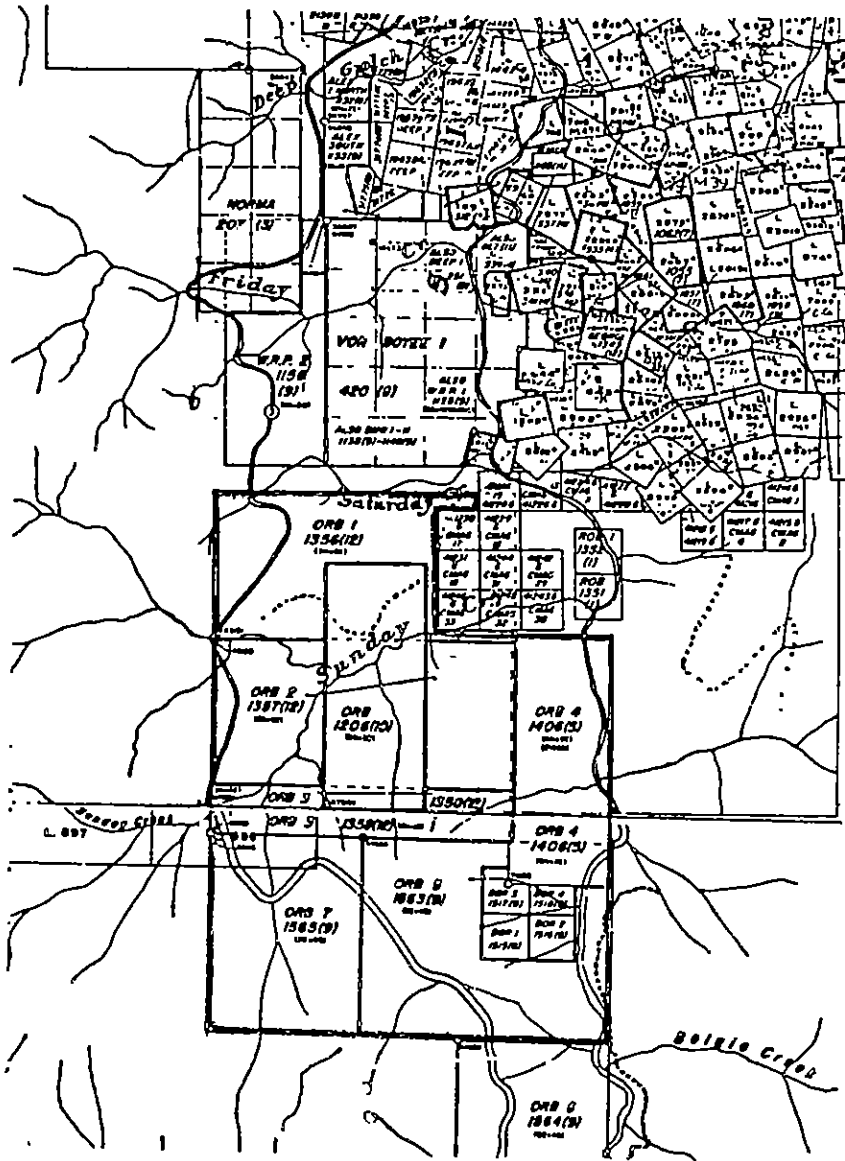
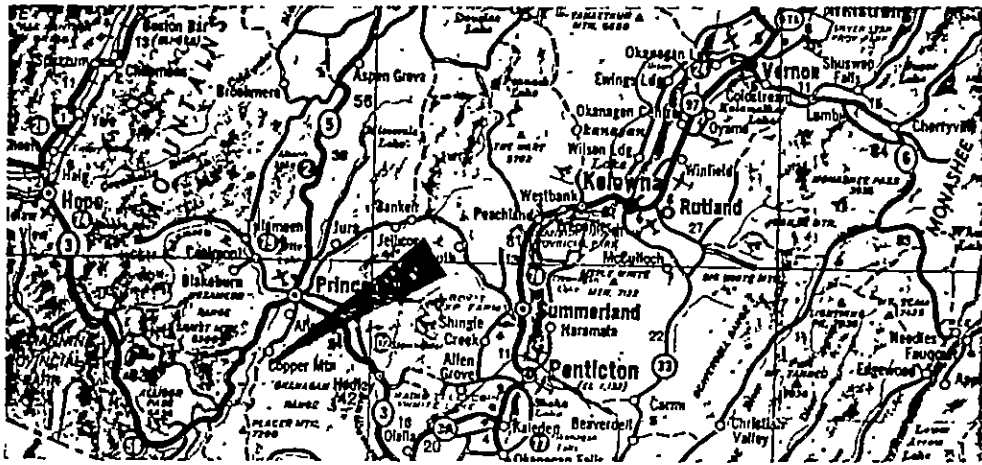
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ILLUSTRATIONS

Figure 1 Location and claims map.

Figure 2 Prospecting map.



LOCATION AND CLAIMS MAP

SUMMARY-

Between October 15th, to October 19, 1982 a prospecting program was performed on the "Orb claims" Sunday creek group. This property is located approximately 20 kilometers S10⁰ of Princeton B.C.

The purpose of the program was to determine the possibility of fresh gold being deposited at the mouth of Sunday creek, through mechanical erosion of bedrock in the creek bed. Prospecting was conducted in the form of gravle panning.

Conclusions

Rather coarse fresh flower gold was found downstream from the mouth of Sunday creek. It is necessary to conclude the gold located at the base of Sunday creek originates from the immediate area due to its composition and shape. Friday, Saturday and Sunday creek all carry and produce fresh gold each year.

RECOMMENDATIONS

It is somewhat necessary to recommend a stream sediment survey be conducted under the direction of a professional geologist. To attempt to locate the source of the fresh gold.

LOCATION AND ACCASS

The mineral claims are located some 25 km due south of Princeton B.C. covering Sunday creek between highway 3 and the Similkameen river. Lat. $49^{\circ}15'N$, Long. $120^{\circ}33'W$ N.T.S. 92 H/7.

GENERAL GEOLOGY

The general geology of Sunday creek is shown on geology map 888A Princeton at a scale of 1"=4 miles. The property is shown to be underlain by rocks of the Princeton group. The survey appears to over lay varicolored lava; argilite, - tuff, limestone; chlorite and gneisse.

RESEARCH

In March the 1st 1982 Glen White geophysics conducted an air born electromagnetic survey. Glen White in his report "Airborn VLF-EM & Magnetometer survey" outlines a major magnetic anomaly on the Orb claims at the south side of Sunday creek. The gold in Sunday creek is found with massive ammounts of magnetite, it is my belief that the magnetic anomaly could be the source of the gold at the mouth of Sunday creek.

Dale Walster in his report "Geochemical studies of the Orb claims" states there are anomilous gold values found in two of the percussion drill holes, aproximatly two hundred meters east of Glen Whites airomagnetic anomaly. Geochemistry could be conducted to determin any posible corilation between the two anomilies.

RESREARCH cont.

The Sunday creek area is renound for producing gold, at least one hundred thousand dollars worth. This figure is probable low due to the fact that there were no records kept in the early days of production for nearly a quarter of a century. The Similkmeen river and the adjoining creeks were worked for years by the Chinese. Signs of their activities are still vidible on the banks of the river today.

PANNING SURVEY

Working on bedrock with a pan wisk and crowbar, produces gold on most of the creeks in the area. My survey began down stream from Sunday creek and I worked my way up the Similkameen river. There seems to be three distinct kinds of gold No.1 a lemmon yellow gold, nuggets usually one penny wieght in size or less. No.2 a copper coloured gold usually well rounded up to a half ounce in size, probably brought in by glaciation. No.3 a brown black spotted gold looks like Slough creek or Alaskan gold up to three penny weight. Flood gold usually the lemmon yellow variety is washed in to the Similkameen every spring by tributaries and smaller drainage creeks. Most of the gold I located was down stream from the mouth of Sunday creek this would indicate Sunday creek could be a possible producer of the fresh gold.

REFERENCES

RICE, H.M.A. (1947) Map 888A Princeton geology.

WHITE G.E. (1982) "Airborn VLF-EM & magnetometer survey ORB1-5, ORB-7 mineral claims."

WALSTER D.E. (1982) "Report concerning the geochemical studies of the ORB1-4 mineral claims."

STATEMENT OF QUALIFICATIONS

I BRAD A. RIFAL of the city of Port Coquitlam
Province of British Columbia, do hereby certify:

- (1) That I am self employed offering mineral exploration services to the mining industry. With offices at 3948 Oxford Street Port Coquitlam, British Columbia.
- (2) That I am a graduate of Port Coquitlam senior secondary school (Honors).
- (3) That I have successfully completed the B.C. Yukon Chamber of mines geological prospecting school in 1980.
- (4) That on the basis of extensive and varied experience in the mineral exploration field, I feel my background and immediate knowledge of the Similkameen placer gold region serves to qualify me in presenting this report.
- (5) That I have successfully completed the Ministry of Mines geophysical, geological, and geochemical prospecting course in 1982.

Data collected and report written by:
Brad A. Rifal

Respectfully submitted,



Brad A. Rifal,
Prospector.

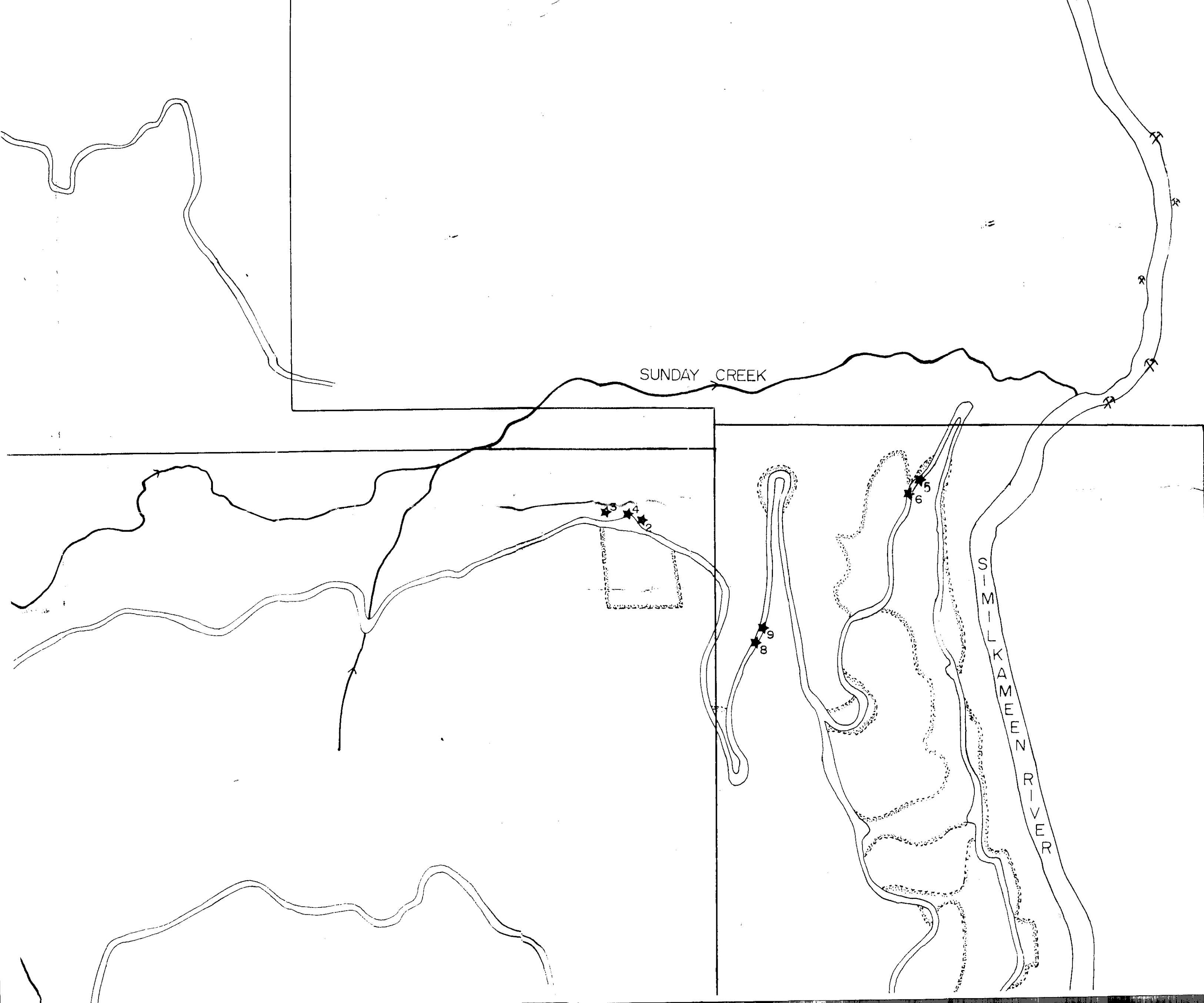
AFFIDAVIT OF EXPENCES

Travle Expences: October 15th-20th 1982 one four wheel
drive truck usage..... \$250.00
October 15th-20th 1982 gas expence..... \$130.00
Chain Saw usage: October 15th-20th 1982 clearing brush
satting up camp..... \$70.00
Board Allowance: Food,cooking fuel and utencil usage
October 15th-20th 1982..... \$150.00
Total Wages; October 15th- 20th 1982 five days at
twelve dollars per hour,ten hour days... \$600.00
Accommadition: October 15th-20th 1982 one man \$30,00
per day..... \$150.00
Secritarial: Draughting,coppingy,stationary,supplies. \$100.00


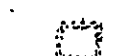

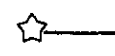


TOTAL EXPENCESI..... \$1450.00

MILKAMEN RIVER
No. 10,663

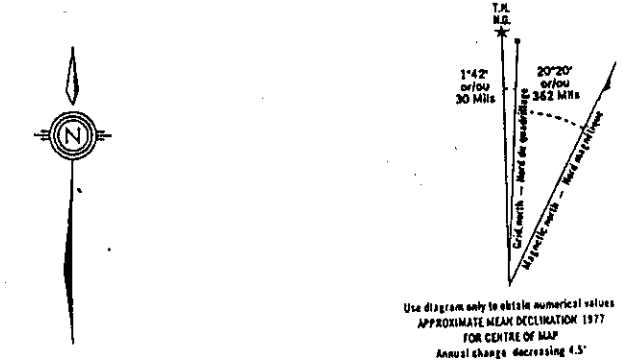
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LEGEND

-  STREAM
-  LOGGED AREA
-  LOGGING ROAD
-  LCP & CLAIM LINE
-  PERCUSSION DRILL SITE
-  AREAS WHERE GOLD WAS DETECTED

MAP FROM AIRPHOTOS BC 79030-105 to 107



EMERALD STAR MINING EXPLORATIONS LTD.

PLACER GOLD REPORT BY: BRAD.A.RIFLE

ORB CLAIMS
SIMILKAMEEN M.D., B.C.

DRAWN: DEW DEC. / 82 FIG. 2

