

PROSPECTING 1983/84

FROM STAKING OF:

HONE #1.....Record 3256
HONE #2.....Record 3257
EMANUEL #2.....Record 3258

NELSON MINING DIVISION

ROSSLAND-TRAIL.....82F/4

Laying generally between lines 56 - 58
East and West and 55 - 54 North and
South.

OWNERS: Arnold & Elaine Gustafson,
Box 10,
Burton, B. C.
VOG 1E0.

604 - 269 - 7455

AUTHOR OF REPORT: Elaine E. Gustafson.

May 25, 1984.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,372

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INTRODUCTION

General geographic description - area prospected was off the Skyway approximately fifteen miles from Castlegar in general area of Champion Creek laying gnerally between lines 56 - 58 running East and West and between lines 55 - 54 running North and South.

On Map 8483G ROSSLAND-TRAIL, Sheet 82F/4 there is a 500 gammas magnetic line passing through the area of the claims.

ACCESS

Access was by camper van and hiking.

CLAIMS STAKED

Home #1, Home #2, Emmanuel #1, Emmanuel #2, but Emmanuel number 1 was not filed. Claims filed in Nelson office.

SAMPLING SKETCH - EMANUEL CLAUS

ON

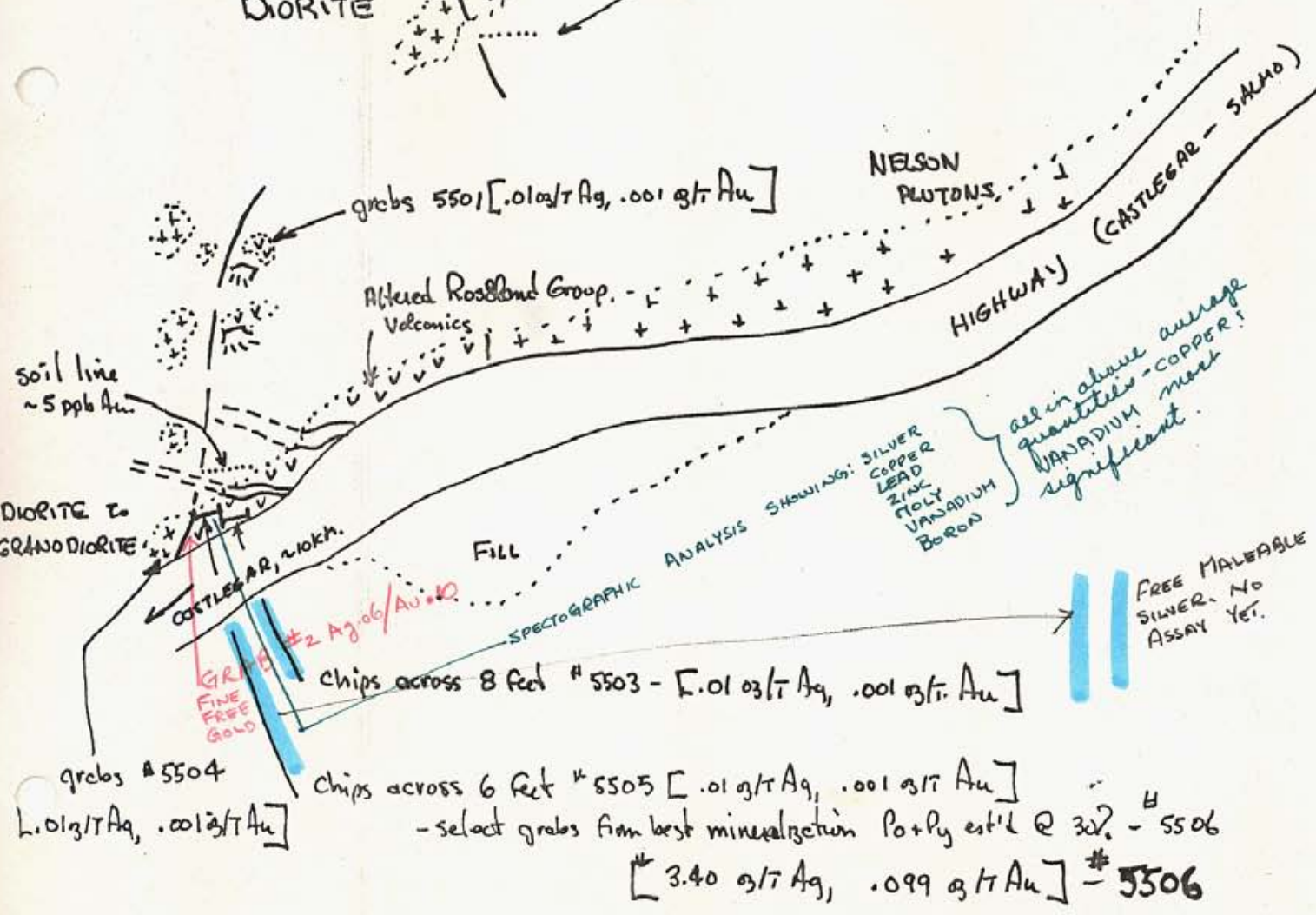
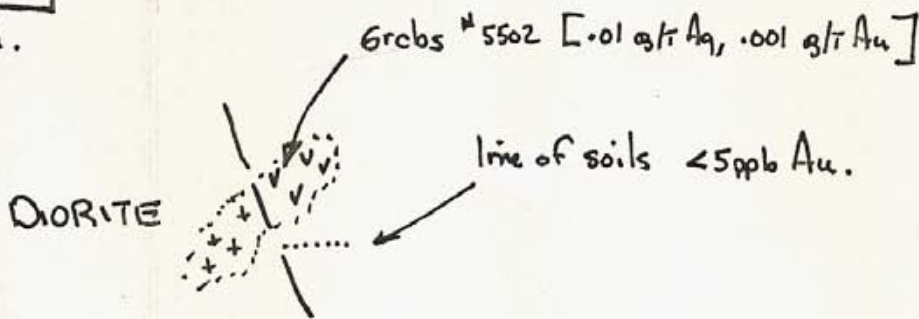
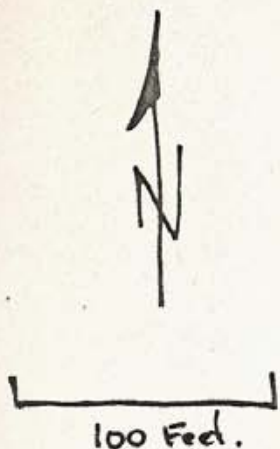
April 20th, 1984

by

W. J. Roberts.

OLD PIT.

GRAB
1002 Au.



grabs 5501 [.01 g/t Ag, .001 g/t Au]

Altered Roseland Group - Volcanics

NELSON PLUTONS

HIGHWAY (CASTLEGAR - SALMO)

soil line ~ 5 ppb Au

DIORITE & GRANODIORITE

CASTLEGAR, WOKH.

Fill

SPECTROGRAPHIC ANALYSIS SHOWING: SILVER, COPPER, LEAD, ZINC, MOLY, VANADIUM, BORON

all in above average quantities - COPPER! VANADIUM most significant.

GRAB # 5503 - chips across 8 feet [.01 g/t Ag, .001 g/t Au]

GRAB # 5504 [.01 g/t Ag, .001 g/t Au]

GRAB # 5505 [.01 g/t Ag, .001 g/t Au]

chips across 6 feet # 5505 [.01 g/t Ag, .001 g/t Au]

- select grabs from best mineralization Po + Py est'd @ 30% - # 5506

[3.40 g/t Ag, .099 g/t Au] - # 5506

FREE MALLEABLE SILVER - NO ASSAY YET.



HIGHWAY

EMMANUEL

| | | |
|---|----------|---|
| C | EMMANUEL | A |
| B | | B |
| A | | C |

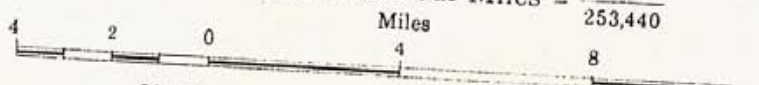
A = INITIAL POST
 B = INITIAL & FINAL
 C = FINAL POST.



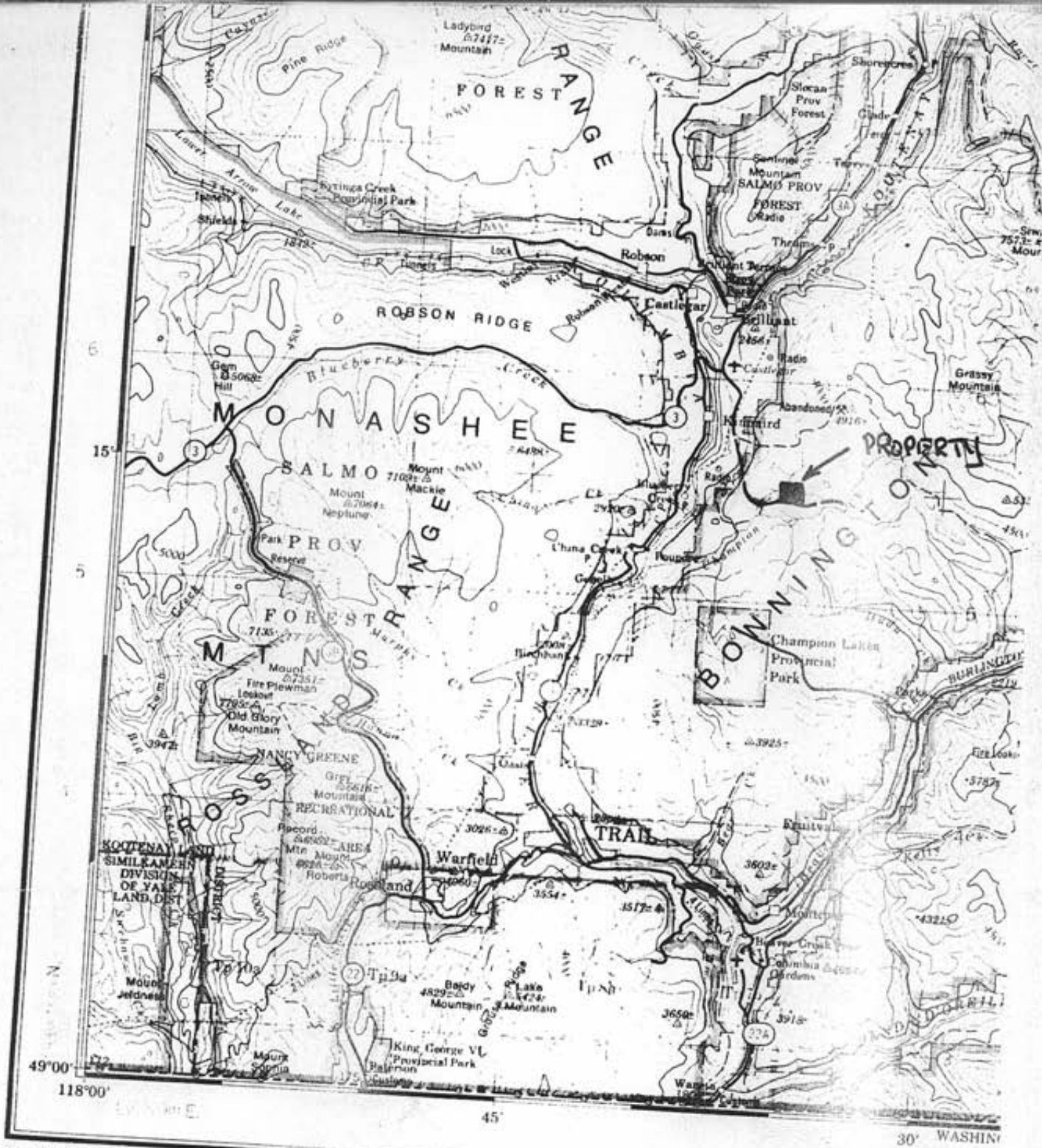
MAP 1090A
 GEOLOGY
NELSON

(West Half)
 KOOTENAY AND SIMILKAMEEN DISTRICTS
 BRITISH COLUMBIA

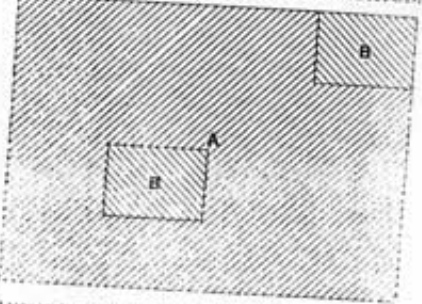
Scale: One Inch to Four Miles = $\frac{1}{253,440}$
 Miles



COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR GEOLOGIA



RELIABILITY DIAGRAM - CROQUIS D'EXACTITUDE



- A Large scale mapping, photogrammetric, 1971.
- B Large scale mapping, photogrammetric, updated from 1969 aerial photography.
- A Cartographie a grande echelle, photogrammetrique, 1971.
- B Cartographie a grande echelle, photogrammetrique, mise a jour a l'aide de photographies aeriennes prises en 1965.

Produced, 1971, by the SURVEYS AND MAPS BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Printed 1973

Magnetic declination 1972 varies from 41° westerly at centre of west edge to 21° 22' easterly at centre of east edge. Mean annual change 2.8° westerly.

| | | | |
|--|-------|-----------------|-------------------------|
| Roads | | | |
| hard surface, all weather | | dual highway | more than 2 lanes |
| hard surface, all weather | | 2 lanes | less than 2 lanes |
| loose or stabilized surface, all weather | | 2 lanes or more | less than 2 lanes |
| loose surface, dry weather | | | |
| cart track | | | |
| trail or path | | | |

PROSPECTING

Reason for staking: Following a seven day prospecting trip to the Castlegar-Ross Spur area we returned home to more carefully examine and study rock samples we had accumulated from several different areas.

Examination was carried out by using a high-powered microscope; by using a rock saw to cut samples; by crushing rock and panning for gold.

Upon finding fine free gold we returned to stake three claims immediately. We then spent three days taking further rock samples. We found two very old digs on the property and carefully examined the dumps.

We chip sampled the highway cut, noting a northerly trend with a south dip to the ore zone. Many dykes are lying in a west rise dipping to the east. Some granite cap flows. Fine grained quartzite, iron pyrite, lots of evidence of copper and silver (malleable pieces can be extracted), and a yellow stain on the rocks which we want to investigate further.

We had twelve assays run for Gold and Silver on some of these samples, also a Spectrographic analysis run.

The "Skyway" assays showed .10 Au., with "very fine free gold present".

The Spectrographic Analysis showed: Silver, copper, lead, zinc, moly, vanadium (yellow stain), boron - all in above average quantities.

We also observed lots of faulting in the area, igneous contacts, some seams, quartz crystals (tension veins), and finally we found a contact zone of sediments and igneous rock.

We spent some time talking to an old-time prospector about the area.

SUMMARY OF WORK

- Day 1: Travel to area, stake claims, chip sample. *
- 2: Chip sample more area, examine old digs.
3. Further examination of area, interview old prospector.
4. To Nelson to file claims (June 21) *
5. To Kamloops with ore for assays. *
6. Over to area to see if snow gone so mining companies could come over to see property. *
7. Mining company from Cranbrook comes over to see property. *
8. Mining company from Vancouver comes over to see property. *
9. Over to claims to seek out other stakeable areas. *
10. Day spent examining area above highway and extending out from claims, also sampling.
11. To Nelson for forms to file government reports on, check current mapping, purchase items from Mining Division. *

AUTHOR'S REPORT WRITING QUALIFICATIONS:

Elaine E. Gustafson spent twelve years working with Architect's and Engineers helping to write and typing professional reports.

Has written reports on prospecting for years 1978, 79, 80, all accepted in Victoria.

Has valid prospecting licence, has taken advance course from Geo. Addie, P. Eng., P. Geol, Nelson; has taken update mineral identification course; has taken one week geology course at Okanagan College; has personal field experience.

COST OF PROSPECTING HOME #1, HOME #2, EMMANUEL #2 from May 23/83 - May 25/84

TRAVEL: Trips to Castlegar Day 1,6,7,8,9; Nelson Day 4,11;
Kamloops Day 5.

145 miles x return trip - Castlegar.....1590
130 " " " " - Nelson..... 520
196 " " " " - Kamloops..... 392

2502 @ 24¢/m.....\$ 600.48

MEALS: Breakfast - Day 2,3,10 @ \$3.00 x two people....\$ 18.00
Lunch - Day 1,2,3,4,5,6,7,8,9,10,11 x \$5.00x 2. 110.00
Supper - Day 1,2,3,5,7,9,10 x two people x \$10 140.00..... 268.00

ACCOMMODATION: 5 days @ \$15.00..... 75.00

Miscellaneous: Maps, licenses, postage, phone calls, 1st Aid
supplies..... 104.00

ASSAYS..... 150.00

SPECTROGRAPHIC ANALYSIS..... 30.00

11 Man Days @ \$60.00..... 660.00

11 Man Days @ \$75.00..... 825.00

Cost preparing report..... 60.00

TOTAL COST \$2,772.00

The enclosed reports are true according to diaries we have kept.


Arnold A. Gustafson


Elaine E. Gustafson