

85-564-14528

SICKER PROJECT

Vancouver Island, B.C.

08/86

Geochemical Stream Sampling Report on the
DUNC 1, 2, 3, 5, 7 CLAIMS
VICTORIA MINING DIVISION
N.T.S. 92B/12W

Owner: Operator Imperial Metals Corporation

Lat. 48° 39' N Long. 123° 49.5' W

GEOLOGICAL BRANCH
MINING REPORT

14,528

FILMED

A.M.S. Clark, Geologist
July, 1985

08/86

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SUMMARY

A stream sediment sampling program to determine the gold content of various size fractions of stream sediment was undertaken in the Koksilah River area, west of Duncan, Vancouver Island, B.C. in the vicinity of a high gold value previously located. The original high value has been confirmed and an area of interest isolated for further work.

The work was undertaken between May 24th to May 29th, 1985.

CLAIM STATISTICS

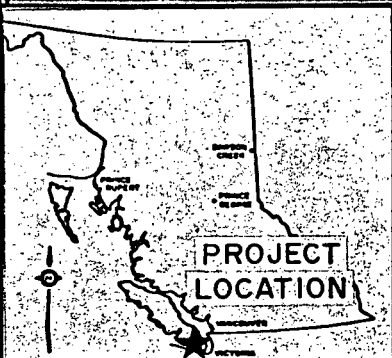
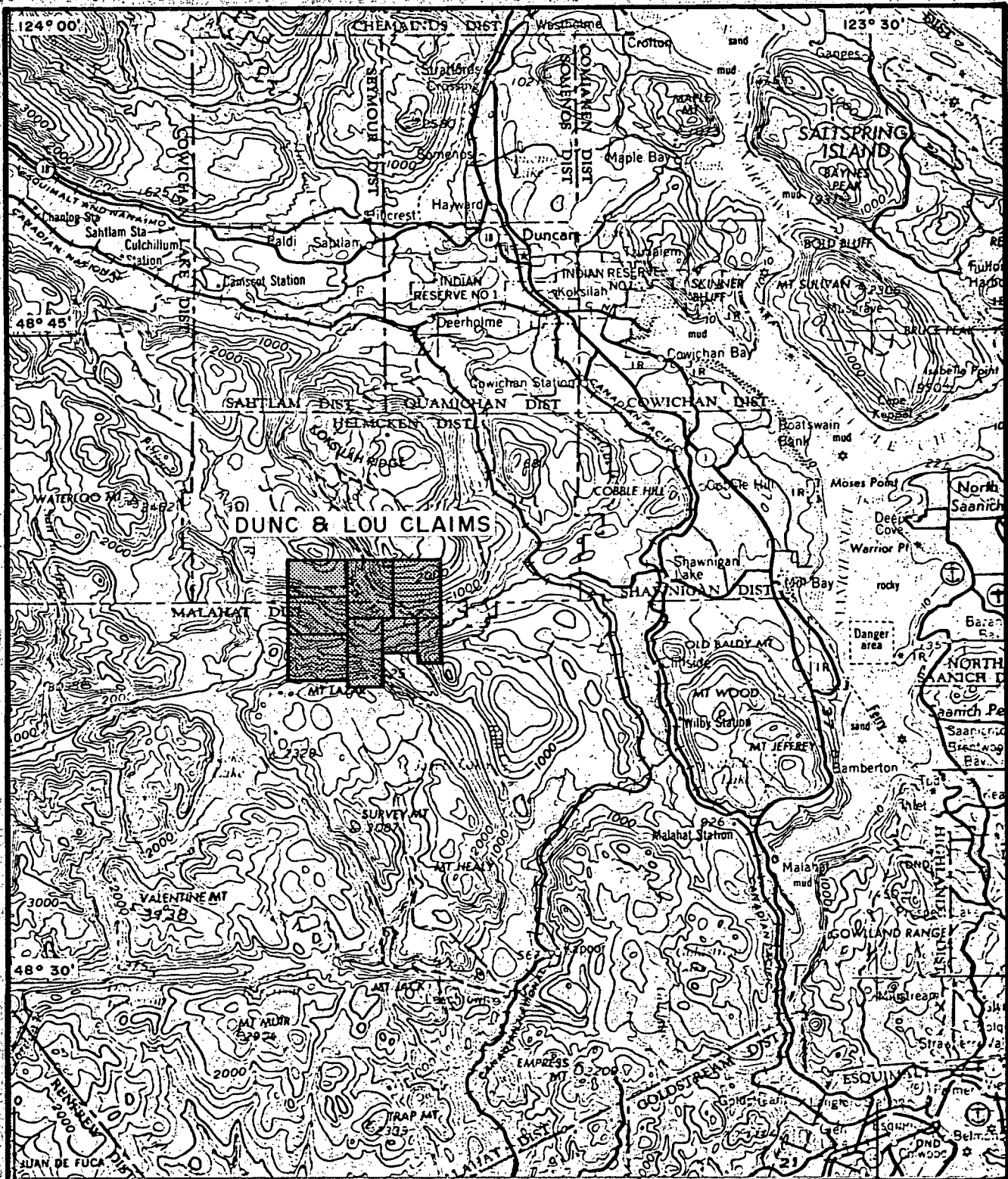
		# UNITS	RECORD #	RECORD DATE
OUNC	1	20	1348	Aug. ?
OUNC	2	18	1349	Aug. ?
OUNC	3	20	1350	Aug. ?
OUNC	5	20	1352	Aug. ?
OUNC	7	15	1354	Aug. ?

Owner: Imperial Metals Corp.

INTRODUCTION

The area is situated in the Koksilah River drainage region west of Duncan, Vancouver Island (figure 1). The area was chosen for exploration work in 1983 because of underlying Sicker Group volcanic rocks, and the potential for base-metal deposits. Stream silt sampling in 1983 did not locate base metal silt anomalies, but did define a single high gold value.

Further specialized stream sediment panning/geochemical sampling methods undertaken in 1984 indicated two particular branches of the river-system to be of specific interest (filed as an assessment report). The present survey was carried out to further evaluate these anomalous river branches in claims Dunc 1, 2, and 3 (figure 2).



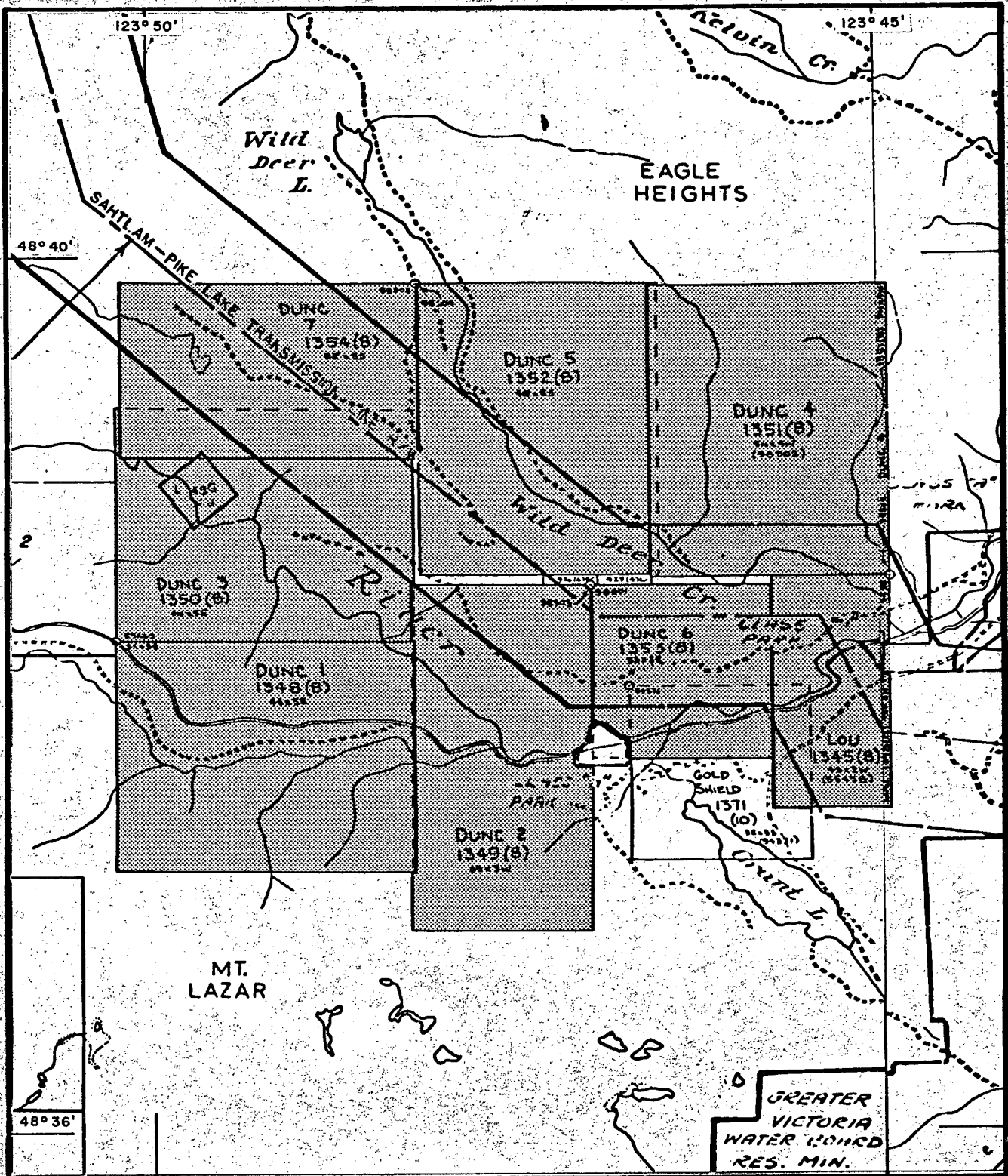
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FIGURE 1 N.T.S. 92B

LOCATION MAP

Km 5 0 5 10 Km

SCALE: 1:250 000	GEOLOGIST: A. CLARK
DATE: JULY 1985	DRAWN BY: S. HAWORTH



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FIGURE 2 N.T.S. 92B/12W

CLAIM MAP



SCALE: 1:50,000	GEOLOGIST: A. CLARK
DATE: JULY 1985	DRAWN BY: S. HAWORTH

METHODOLOGY

The sampling method used was designed to determine gold from a larger than normal sample, using panning and geochemical techniques and normalizing the results.

In order to try and remove the "nugget effect" of erratic analyses of stream samples, larger than normal samples were chosen. Four buckets full of stream material (mainly gravelly silt with the larger pebbles and boulders removed by hand), were sieved to -4 mesh and the material weighed. This material was then sieved to -35 mesh and weighed again. These two weights are used to determine the "coarseness" of the sample in general terms. The -35 mesh material was then panned down to black sand (keeping the fines) to locate and extract any flakes or nuggets of gold which were recorded separately - this again was to reduce the "nugget effect". After extraction of the flakes and nuggets of gold the black sand was re-combined with the rest of the (-35 mesh) sample and sent for regular geochemical analysis (acid/organic solvent leach followed by atomic absorption measurement of gold content).

DISCUSSION

The results indicate the south fork of the Koksilah River has little interest, though it does have moderate values of gold when normalized against the fine-fraction (-35 mesh) sample weight.

The north fork has re-confirmed the very high values immediately adjacent to the fork. Although one large and three small flakes of gold were recovered by panning prior to analysis, it is thought that the very high values are due to additional small flake(s) that may have been missed in the panning. Nevertheless, the sample site is definitely anomalous. In addition, two other sample sites (85-11 and 85-13) are also anomalous, particularly when the results are normalized for the fine-fraction, suggesting local derivation of gold.

CONCLUSION

The north fork of the river is distinctly anomalous and further follow-up of the banks of the river should be undertaken.

ITEMIZED COST STATEMENT

Imperial Staff:	1 man @ \$110/day for 6 days	\$ 660
	1 man @ \$ 85/day for 6 days	510
Truck Rental:	\$50/day for 6 days	300
	Mileage, gas, insurance	100
Board & Lodging:	15 man-days @ \$100/man-day	1,500
Supervision:	3 man-days @ \$250/man-day	750
Mobilization/Demobilization		200
Analyses		50
		<u>4,070</u>
Report Writing, Drafting and Overhead Costs		611
		<u>611</u>
	TOTAL	\$ 4,681


CERTIFICATE

I, Anthony Miles Stapleton Clark, geologist, residing at 2988 Fleet Street, in the Municipality of Coquitlam, Province of British Columbia, hereby certify that:

1. I received a Bachelor of Science degree in geology from the University of Cape Town, Cape Town, South Africa, in 1963, and a Doctor of Philosophy degree in geology from the Memorial University of Newfoundland, St. John's, Newfoundland in 1974.
2. I have been practising my profession as an exploration geologist since 1963.
3. I am a registered Professional Geologist of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
4. I am a Fellow of the Geological Association of Canada and a Member of the Society of Economic Geologists.
5. I am employed by Imperial Metals Corporation of 1300 - 409 Granville Street, in the City of Vancouver, Province of British Columbia.
6. The work described in this report was undertaken under my direct supervision.

16 day of July, 1985

Vancouver, British Columbia


A.M.S. Clark, Ph.D., FGAC, MSEG
Geologist

APPENDIX

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JUNE 4 1985

DATE REPORTS MAILED

June 7/85

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SILTS

Au# - 10 GM, 16NITED, HOT AQUA REGIA LEACHED, NIBK EXTRACTION, AA ANALYSIS.

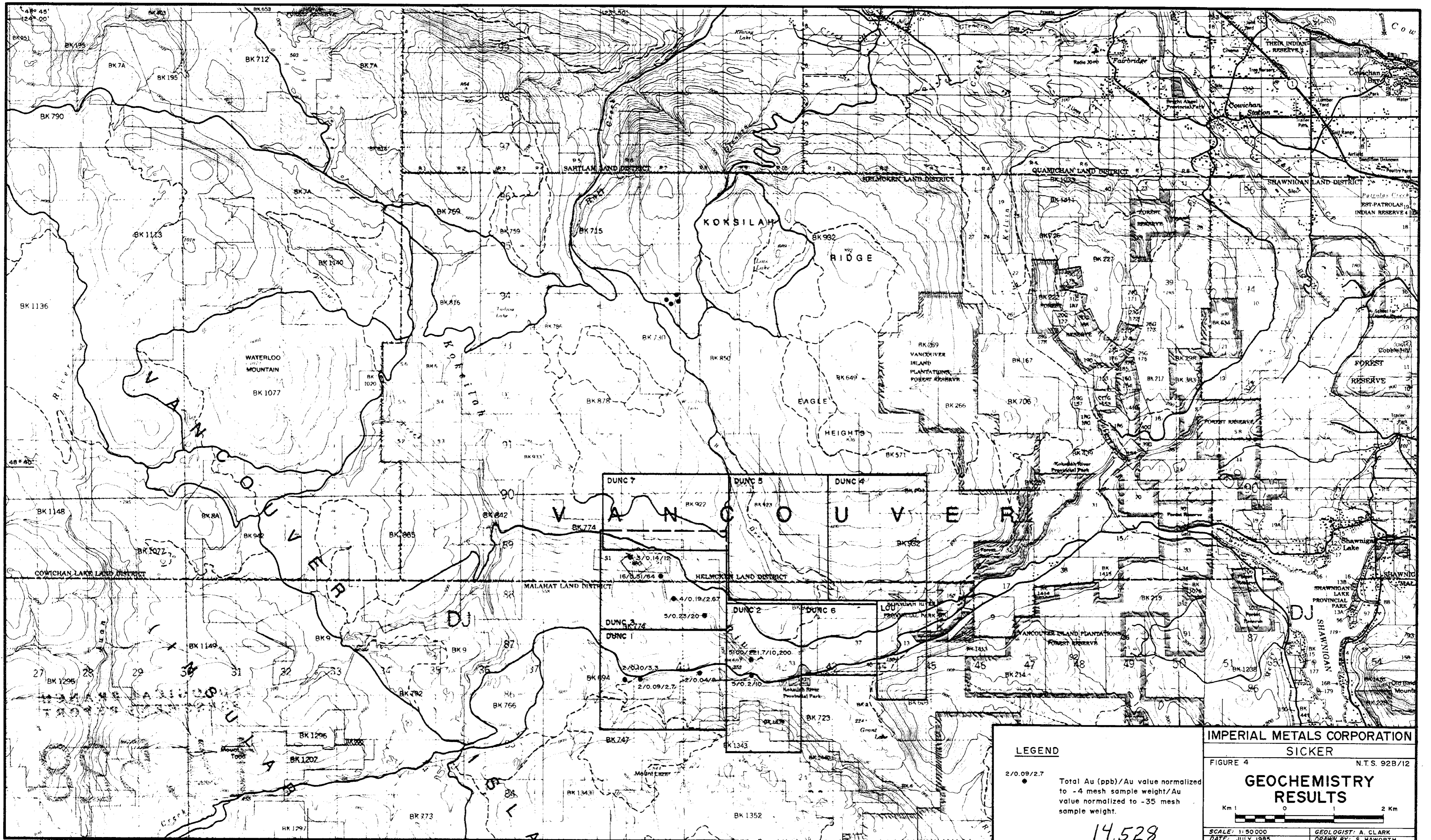
ASSAYER T. Saundry DEAN TOYE OR TOM SAUNDY, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4007 FILE# 85-0799

PAGE# 1

SAMPLE	Au# ppb
85-5	5100
85-6	5
85-7	2
85-8	2
85-9	2
85-10	3
85-11	16
85-12	4
85-13	5

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LEGEND

2/0.09/2.7 ● Total Au (ppb)/Au value normalized to -4 mesh sample weight/Au value normalized to -35 mesh sample weight.

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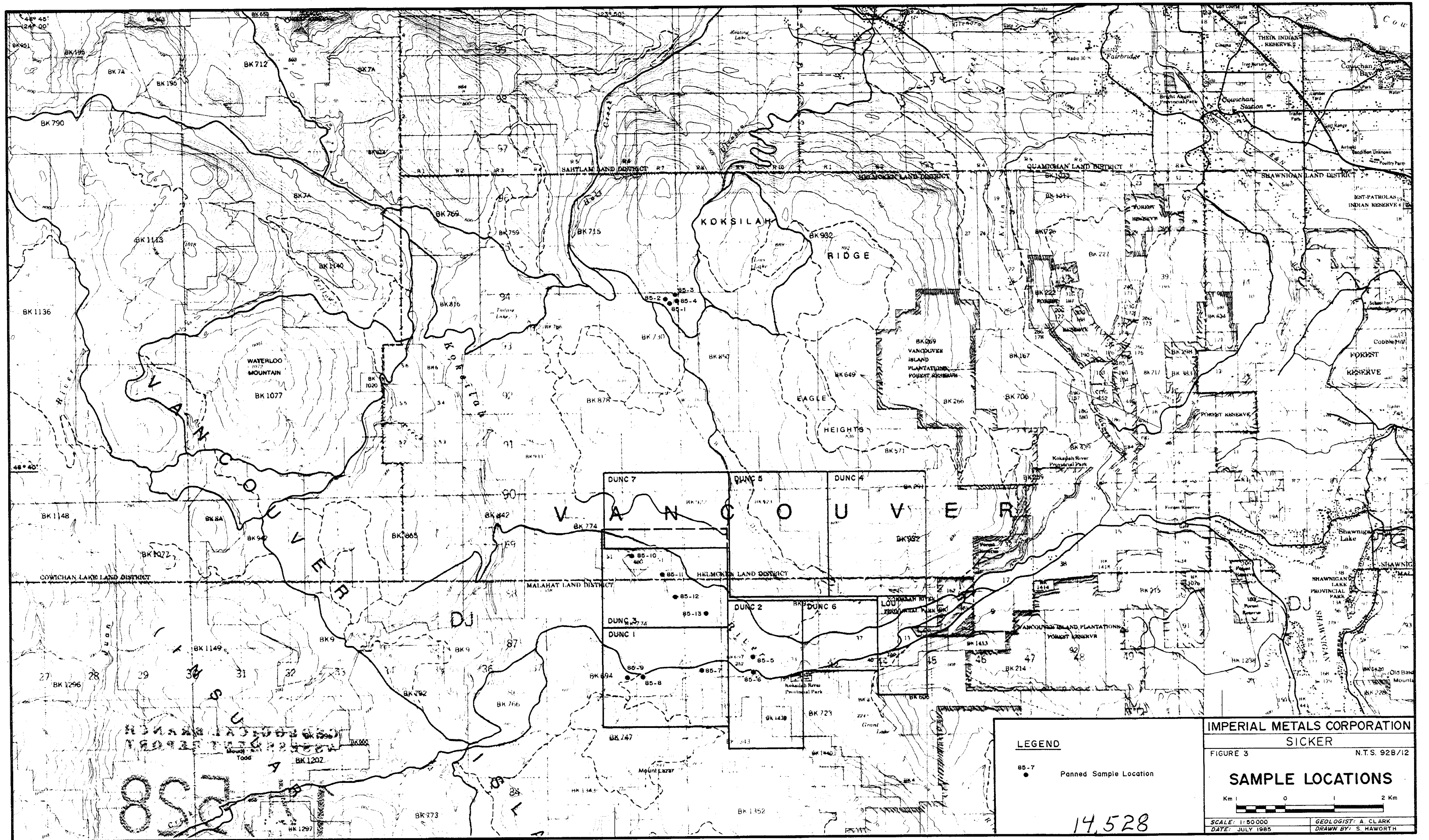
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FIGURE 4 N.T.S. 92B/12

GEOCHEMISTRY RESULTS



SCALE: 1:50,000 GEOLOGIST: A. CLARK
 DATE: JULY 1985 DRAWN BY: S. HAWORTH



LEGEND
 ● Panned Sample Location

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 FIGURE 3 N.T.S. 92B/12

SAMPLE LOCATIONS
 Km 1 0 1 2 Km
 SCALE: 1:50,000
 DATE: JULY 1985
 GEOLOGIST: A. CLARK
 DRAWN BY: S. HAWORTH

14,528