

(a)



52C10NE0024 63.5355 BAD VERMILION LAKE

4

010

REPORT ON O.M.E.P. NO. OM87-3-1-364
PITROSS OCCURENCE

LOCATION- On the Southwest shore of Bad Vermillion Lake
NTS 52C/10NE- Mining clms. K1018561-69 incl. and K1050500 &
K1050501 Bad Vermillion Lake Area, G-2665. The property can be
reached by Hwy. #11- 65 Km east of Fort Frances or 265 Km west
of Thunder Bay. An all weather road approx. 2 Km. south of Hwy.
#11 leads to cottages on the north shore of Bad Vermillion Lake
and then approx. 2 Km. south across lake to the #1 post of
claim K1050500. The main showing is approx 260 m W.S.W. of
this post.

HISTORY & DEVELOPMENT- According to local information the main
claim (HP54) was staked and patented early in the century by
American interests who sank a shallow shaft and later abandoned
the claim. No other information is available from the Min. of
Nor. Dev. & Mines.

GENERAL GEOLOGY- The property lies between the Quetico and the
Seine River Faults (12 Km distant). The rocks within this area
which include mafic to felsic metavolcanics, mudstones, and
wackes, conglomerates, strike E.N.E. The area is underlain by
archean rocks and has been mapped by the G.S.C., Map 334A by
T.L. TANTON, 1936 and a recent compilation sheet by O.D.M.-
Rainy Lake Sheet P293-1965.

Generally speaking the claims can be basically divided into two
parts- quartz-porphyry in the north half of the claims and the
gabbro-anorthosite complex to the south. The immediate area of
the mineralized zone explored consists of quartz-porphyry with
some inclusions of chloritic shists on both the hanging and
footwall sides. The quartz, chlorite-carbonate-sericite vein of
interest strikes 356° A. or 4° west of north in a shear zone
1 to 6 m wide within the quartz porphyry host. The dip varies
from vertical to 70° west. The vein ranges from .1m to 2.5m wide.

(8)

Minor PY. CPY. & PO. (1-3%) occur as disseminations and fracture fillings in the vein material. The sheared porphyry hosting the quartz vein in places shows a more reddish colour than the surrounding felsic metavolcanics.

The vein was traced for 201 m by stripping and trenching. Assays ranged from .01 to .05 ozs gold. Previous assay results from the shaft area were- .07, .22, 5.28 ozs Au.

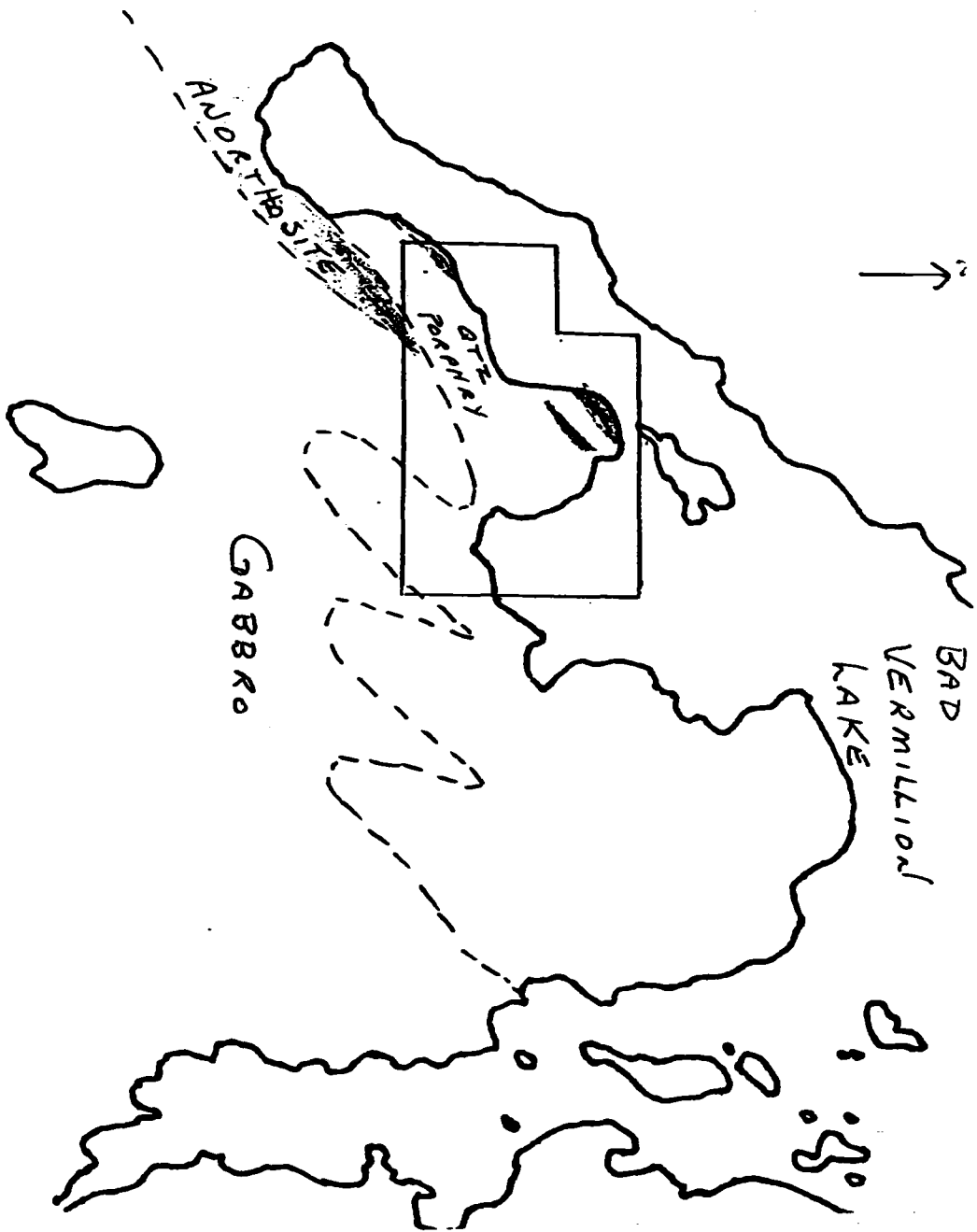
WORK PLAN & PROGRESS- Initially we prospected the entire claim group diligently and found the only area of interest would be the quartz vein on clm. K1050500 and also we took one sample of gabbro-anorthosite with 3-4% Py. from clm. K1018566 (40m west of Post #1) and assayed for Pt. (1 PPB), Pd. (1PPB), Au. (14 PPB). Heavy overburden prevented us from extending the zone further north or south. It is not feasible to bring in motorized equipment for stripping in the summer season so all our stripping was done by hand.

The two heavy snowfalls in November, freezing overburden, and the lake ice still not safe to cross with a bulldozer, make it necessary to conclude the program for this year.

Technical and Financial data enclosed.

Rw Pitkanen

Rw Pitkanen



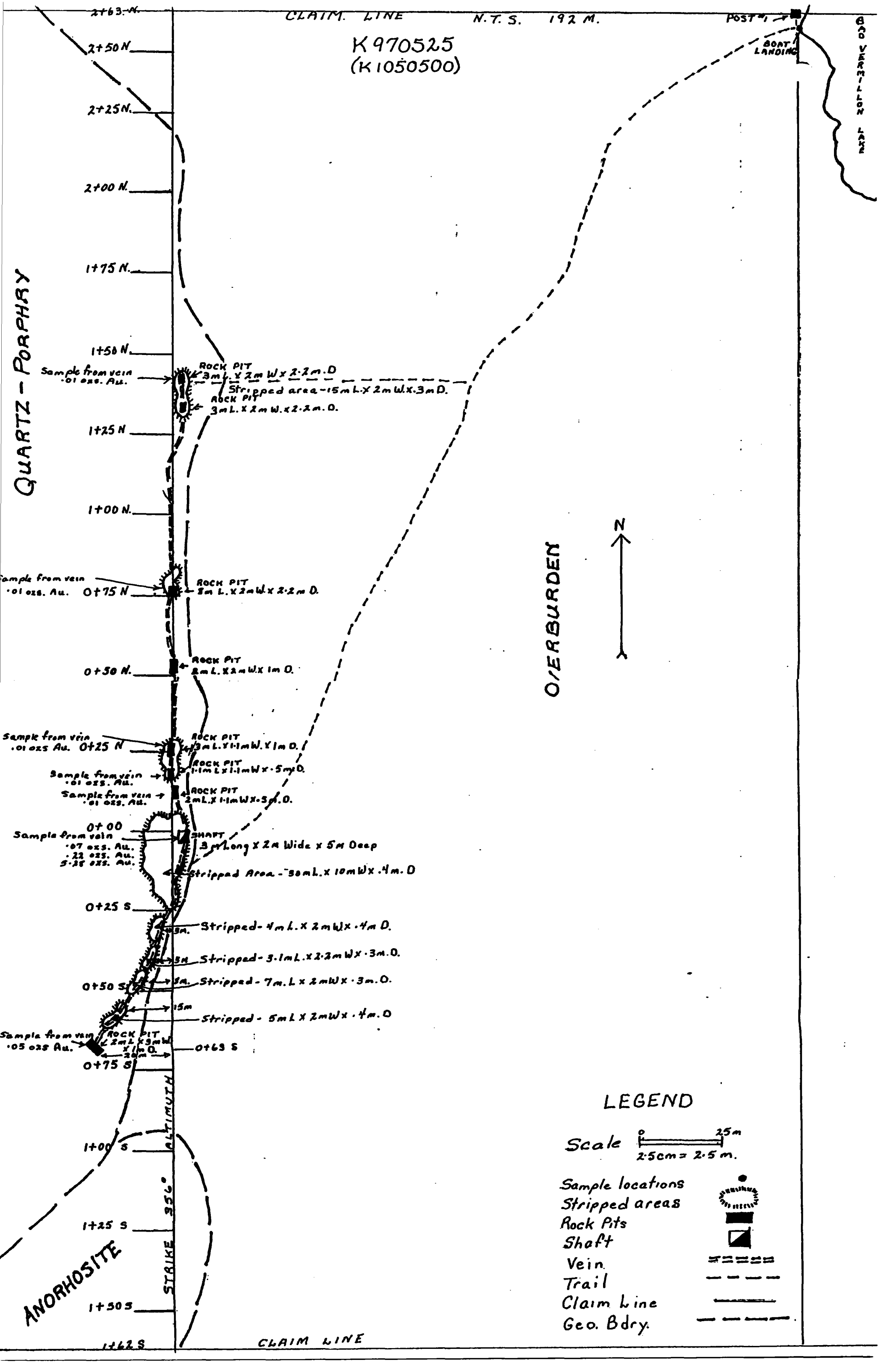
K 970525
(K 1050500)

POST #1
BOAT LANDING

BOAT LANDING FOR LAKE

QUARTZ - PORPHYRY

OVERBURDEN



LEGEND

Scale 0 25m
2.5cm = 2.5m.

- Sample locations
- Stripped areas
- Rock Pits
- Shaft
- Vein
- Trail
- Claim line
- Geo. Bdry.

ANORHOSITE

STRIKE 356°

CLAIM LINE



Ministry of
Northern Development
and Mines

Ontario
Geological
Survey

7
1
T.
M.
T.



52C10NE0024 63.5355 BAD VERMILION LAKE

900

ISSUE TO

MR. R PITKANEN
R.R. #2
FORT FRANCES, ONTARIO
P9A 3M3

0431-87

PITROSS OCCURENCE-HP 54

SAMPLE
NUMBER

GOLD
Au
oz/ton

16654

5.28

This completes all analytical work for samples entered in your name
on JULY 17, 1987

Fees Received: 1 COUP. CARD. # 3667

W D Riddle

Chris Riddle, Chief Analyst

JULY 20, 1987

*Reddish qtz. 1% py between chlorite
schist & hanging wall. (porphyry)*



Ministry of
Northern Development
and Mines

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Geoscience
Laboratories
Report

Issued to:

MR. R PITKANEN
R.R.#2
FORT FRANCES, ONTARIO
P9A 3M3

0409-88

HP54

SAMPLE
NUMBER

GOLD
Au
oz/ton

16672	<0.01
16673	<0.01

This completes all analytical work for samples entered in your name on OCT.14,1988

Fees Received: 2 COUPONS CARD #3597

Peter Oughton
Chris Riddle, Chief Analyst

OCT. 20, 1988

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