TROUT 802627

LAKE

Mo.

82 K 12.

From
Art Soregaroli

Sept 4, 1979

Rod,

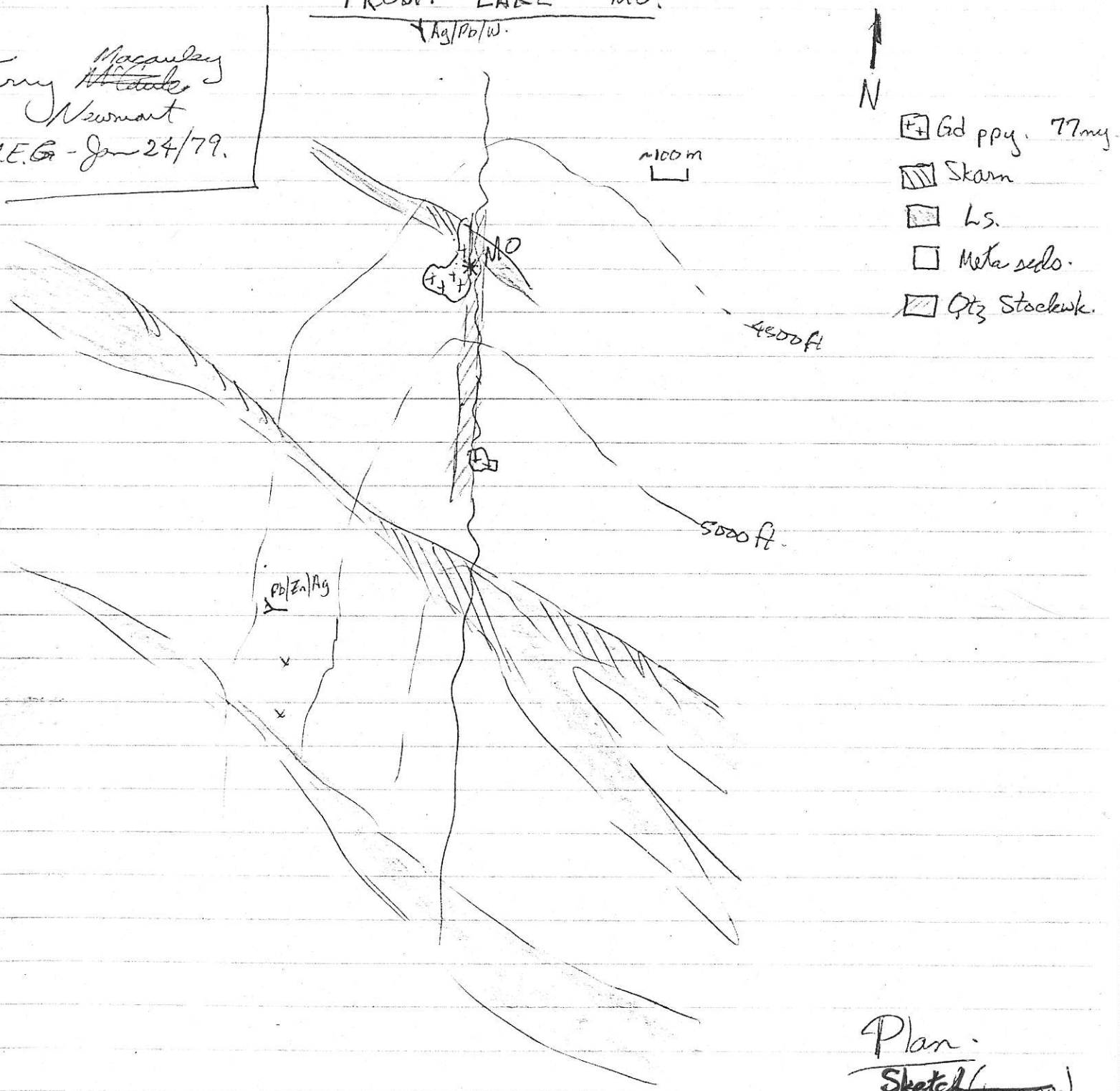
The notes, plan and section are from memory and summarize my impressions from Terry's presentation.

However, the location was a map given to me by Terry so I could find the ~~comp~~ it is accurate.

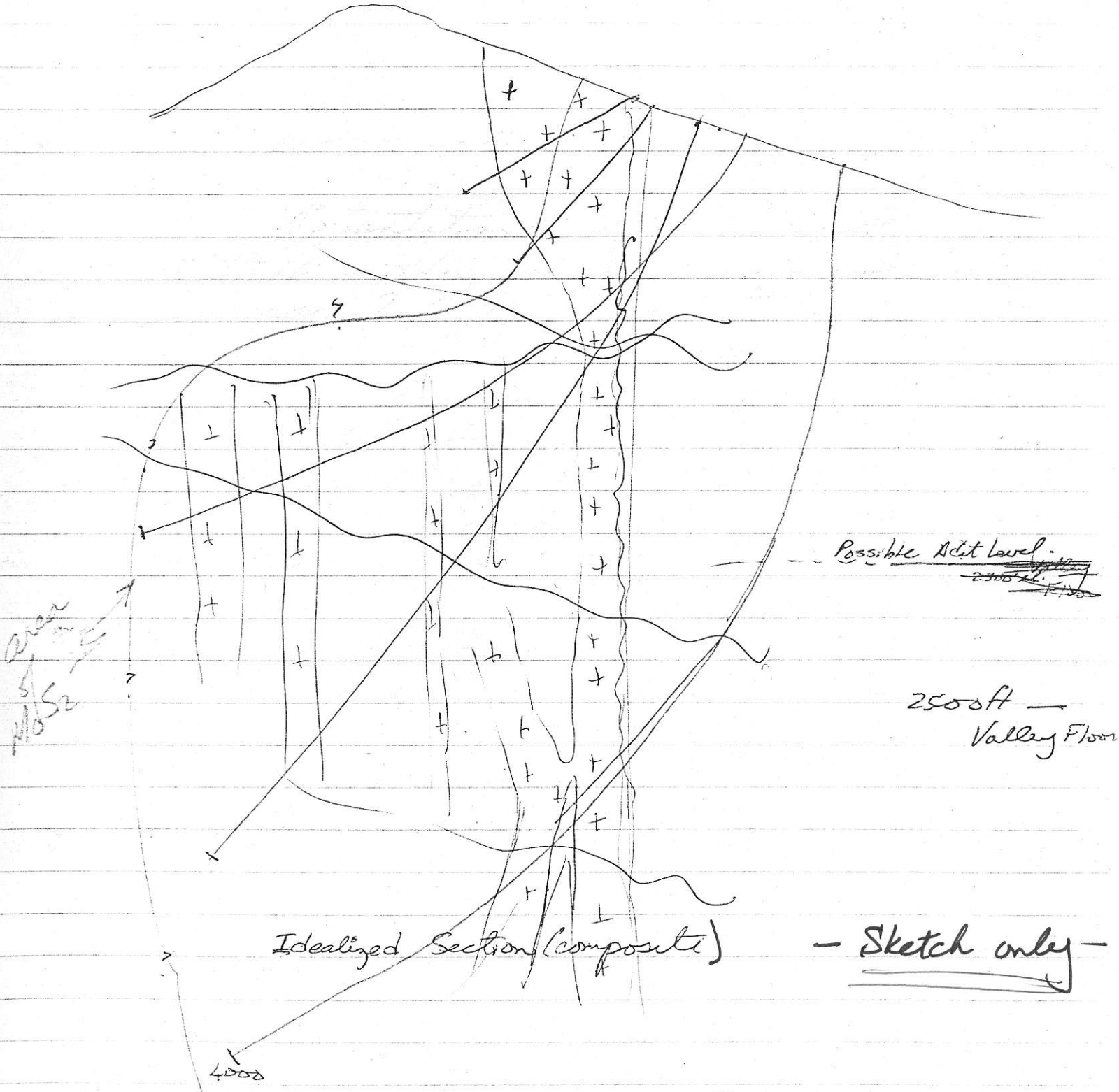
AS

Terry ~~McCaule~~ Macaulay
Newmont
M.E.G - Jan 24/79.

TROUT LAKE MO.



Plan.
Sketch ~~(...)~~
(from memory)



Idealized Section (composite) — Sketch only —

MoS_2 ≈ 50% in intrusive
50% in metaseds
Quartz veins and stockworks (multistage)
with MoS_2 —

Host rocks -

77 m.y. old stock of g.d. ppy in metaseds.
Some skarn in limey members - Biotite in other seds - metamorphic? hornfels? or hydrothermal(?)

Orientations of dykes at depth are hypothetical - they could be ~~connected~~ flat - Widely spaced drilling does not define these orientations.

Quartz veins are considered as steep - could be flat-lying, umbrella-type orientation as is common in many deposits - Orientation is based upon ∡ to core - which also fits a flat-lying system.

Newmont interprets all as steep-dipping.

Mineralization -

No statement as to total area, persistence, grades, etc.

One hole 1977 was +900 ft @ 0.4% MoS_2
(220 ft @ 0.9% MoS_2)

Some suggest the mineralization is erratic.

Exploration

Prospecting discovery - 1916(?)
1971 dd by Scurry - 100 ft @ 0.2 + 100 @ 0.12 MoS_2
197? - Newmont option - then J.V. with Imperial (Esso)

Soils - good support 100 ppm Mo
Rock g/c - Mo best in g.d. ppy.

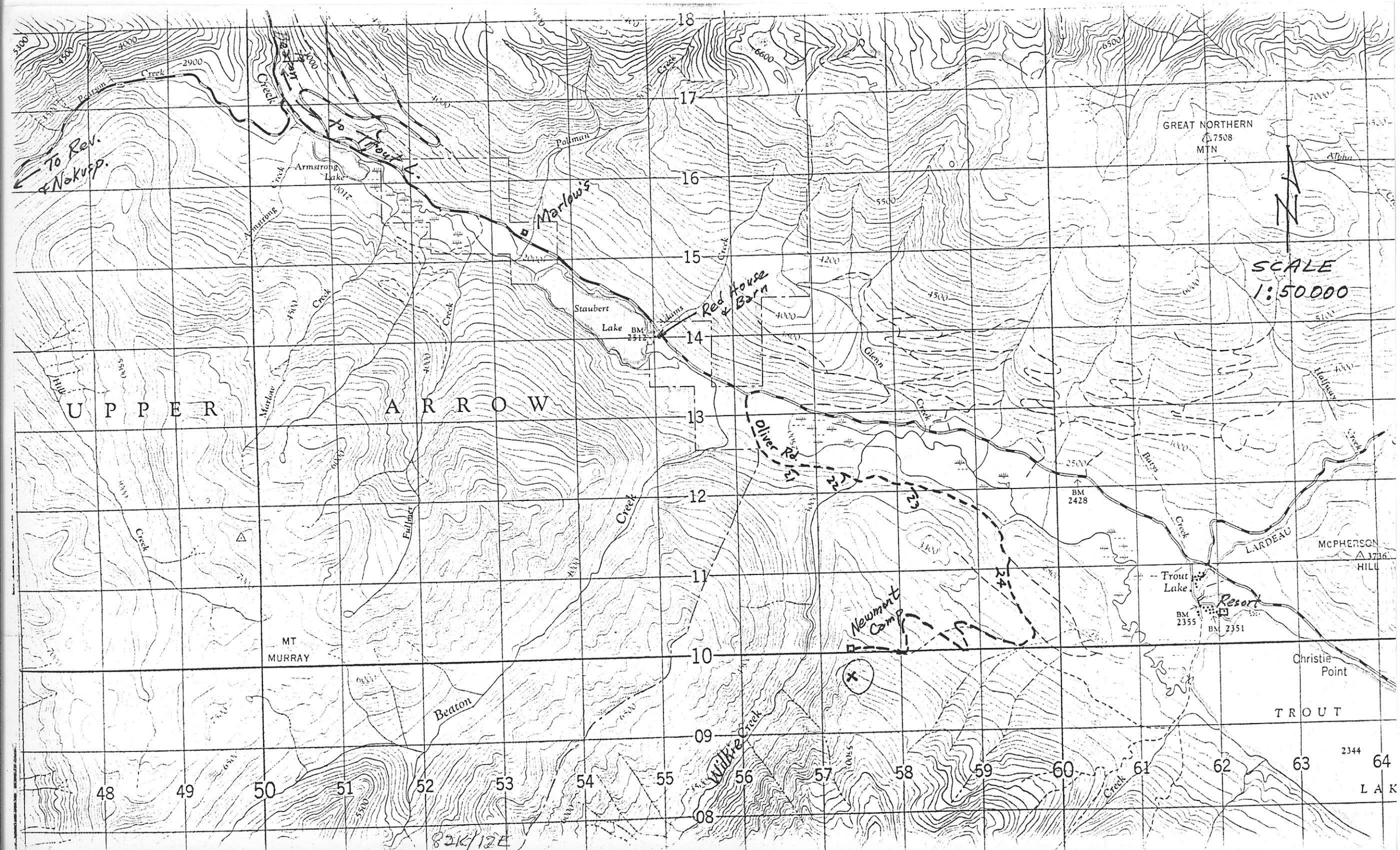
D.D. - very expensive
1978 Longyear - $37/ft to contractor
HQ - NQ - BQ Much blocky ground - bad ld.
faulting cavities - mud + cementing
One 4000 ft hole - wedged 7 times.
8000 ft rod in hole at one time -
- not all recovered.

Requires u/g exploration (als) - Much of "ore" is above valley floor (2500 ft elev) at elev 3000 can drive adit 4000 ft to ore.

MoS_2 / Py / Po / Cpy (rare)

Very little W in or near ore - Confined to Skarns & Pb/Ag veins.

Fluorine - low - ~10 samples (bulk)



To Rev. & Nakusp.
Pearson Creek
Beaton Creek
to Trout L.
Armstrong Lake
Armstrong Creek
Marlow's
Pollman
Red House & Barn
Staubert Lake
BM 2512
Adams
Glenn Creek
Batys Creek
Halfway Creek
GREAT NORTHERN
7508
MTN
Alpha
SCALE 1:50000
UPPER ARROW
Marlow Creek
Fullmer Creek
Hill Creek
Oliver Rd.
21
22
23
24
BM 2428
LARDEAU
McPHERSON
3736
HILL
Trout Lake
Resort
BM 2355
BM 2351
Newmont Camp
MT MURRAY
Beaton
Wilkie Creek
Christie Point
TROUT
2344
LAK
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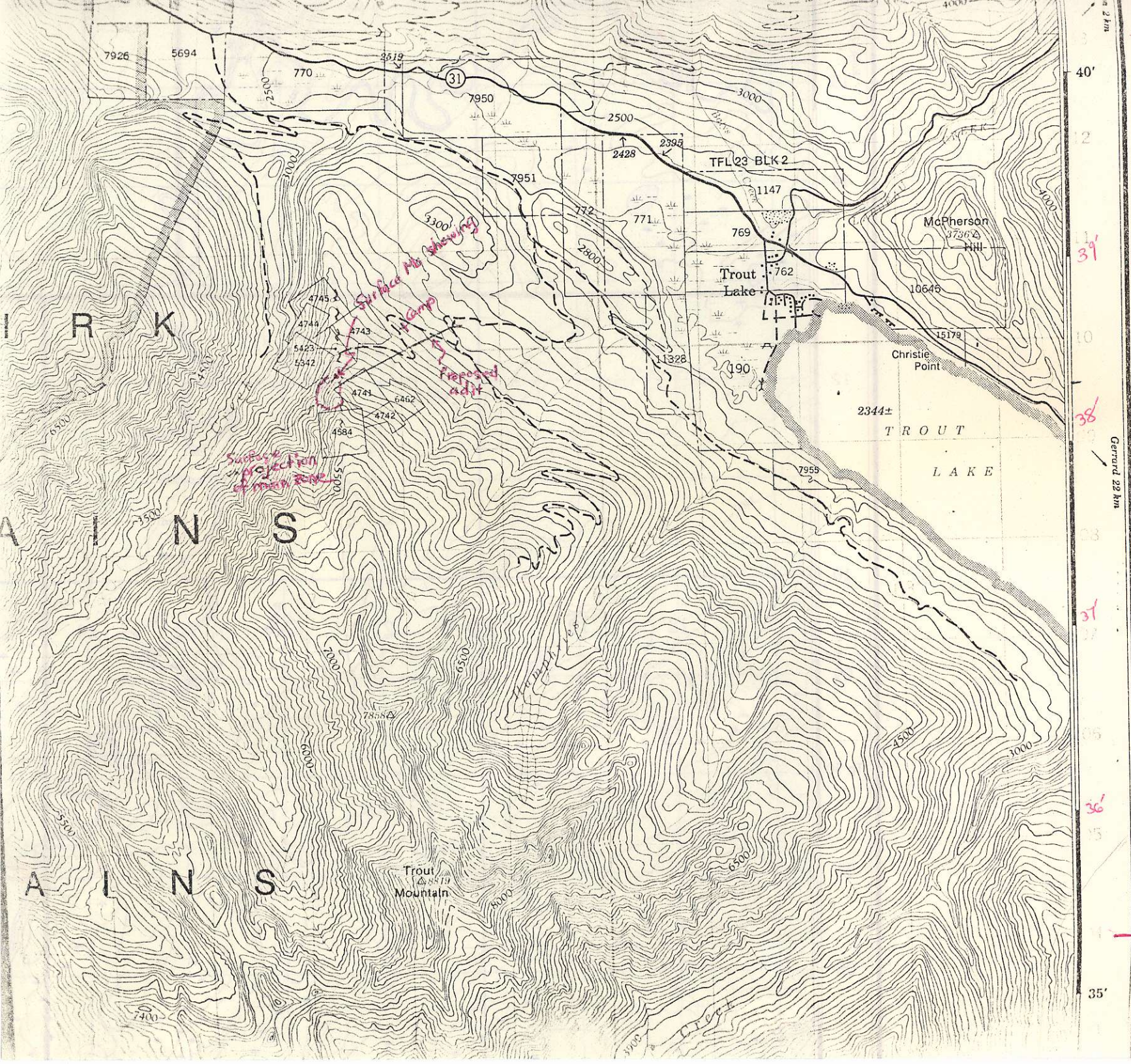
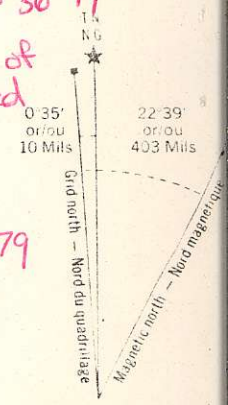
82K/12E



TROUT LAKE MO.

Lat 50° 38' 19"
long 117° 36' 19"
(centre of projected zone)

Sept. 6-79



Use diagram only to obtain numerical valu
APPROXIMATE MEAN DECLINATION 1978
FOR CENTRE OF MAP
Annual change decreasing 5.1'

N'utiliser le diagramme que pour obtenir les valeurs
DECLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1978
Variation annuelle décroissante 5.1'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR
ZONE 11
QUADRILLAGE DE MILLE ME
TRANSVERSE UNIVERSEL DE MERCA

GRID ZONE DESIGNATION / DESIGNATION DE LA ZONE DU QUADRILLAGE	100,000 M SQUARE ID / IDENTIFICATION DE 100,000
11 U	MG
	MF

EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 100 M
EXEMPLE DE LA MÉTHODE EMPLOYÉE
POUR FIXER DES REPÈRES À 100 M

— location by W.D. Sinclair
measured by C. McCann
on Topo. Map 82K12
Scale 1:50,000

TROUT LAKE MO

NTS 82 K
LARDEAU.
1:250,000

X TROUT LAKE MO
located by Sinclair.

• location transferred from 1:50,000 topo. map (from location by Sinclair) by C. McCann.