115 P1

012647

P. DEAN W. HAMILTON
9-13 JUNE 1969

Syenite Range

- syenite is extremely uniform throughout - large feldspar phenocrysts in finer-grained matrix

- granite in center of intrusive - superficially similar in appearance to the syenite - just contains more quartz - no sharp contact between the two

- gossans are formed along west & southwest contacts by contact of syenite with grey slates

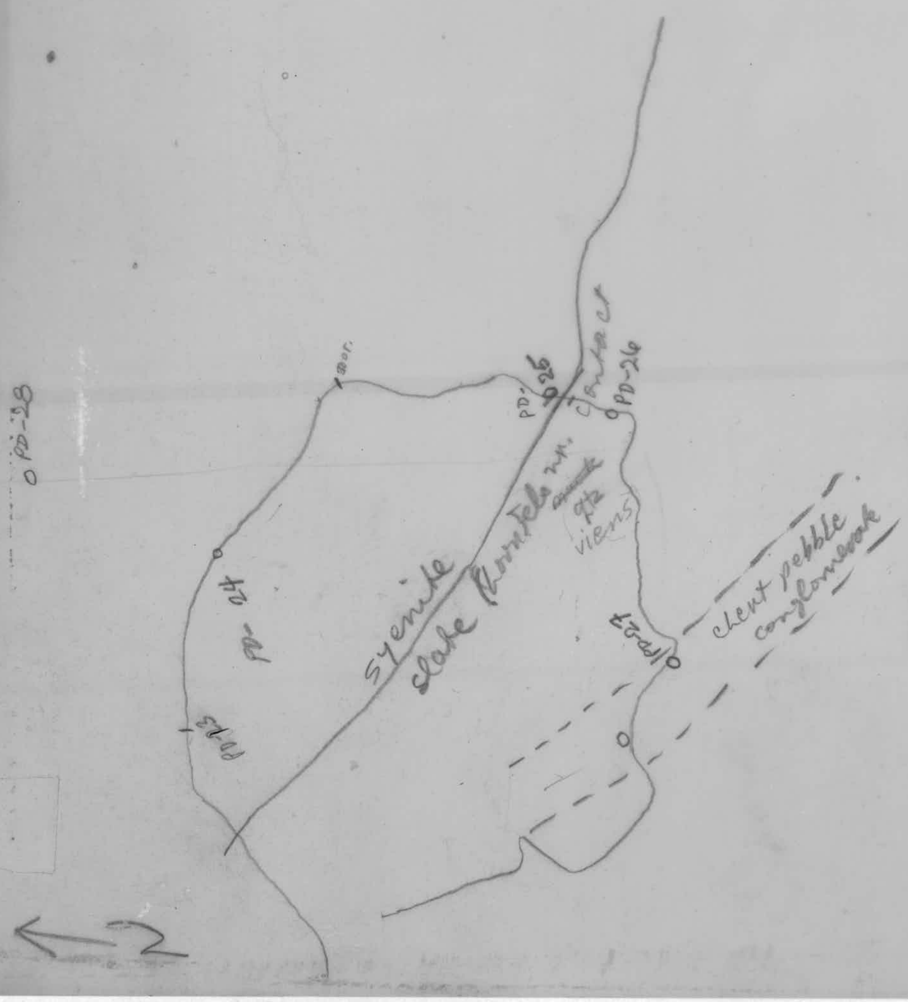
- farther to the west there is a thick unit of chert-pebble conglomerate which doesn't contact the intrusive plug at the surface and appears unaltered by it.

- little contact alteration of syenite - in occasional spots appears chilled, in other places looks rustier close to the contact than farther away from it.

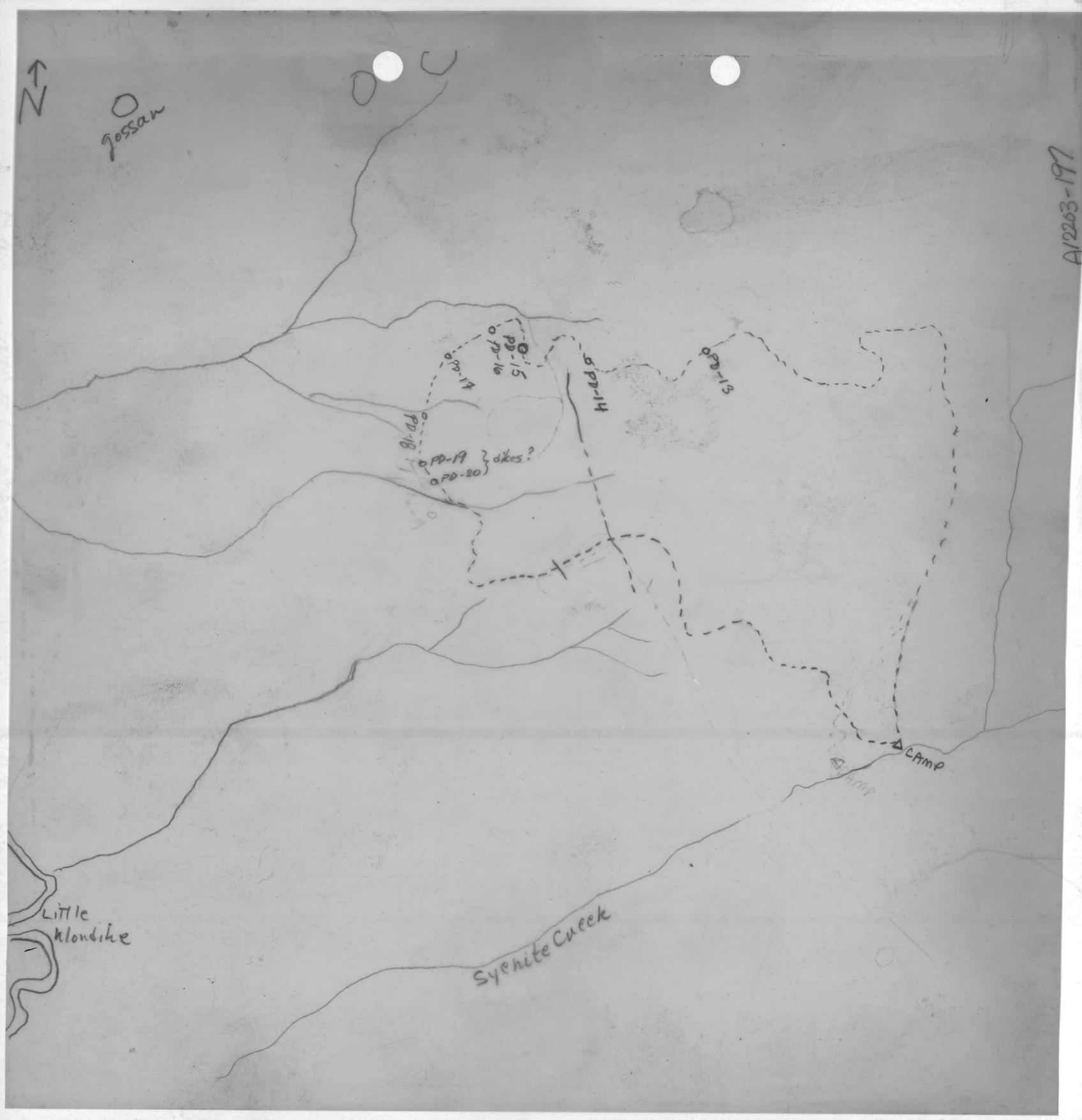
- xenoliths are present in the syenite up to considerable distances from the contact - all those seen were small, very rust stained ~~(exact comments)~~ but unmineralized.

- tourmaline is present along joint-fracture surfaces in both the syenite and granite & also on contacts.

- panning was very unsuccessful - in part due to the high water levels in the creeks: this made it difficult to obtain suitable gravel from the creek bottoms. The only heavy mineral panned up by panning was tourmaline. Pannings were UV-lamped, with negative results.


PD-28
PD-24
PD-23
PD-25
PD-26
PD-27
Syenite
slate
hornfels
qtz
viens
chert pebble
conglomerak
N

A12259-390


N
gossan
PD-15
PD-16
PD-17
PD-18
PD-13
PD-14
PD-19
PD-20
dikes?
CAMP
CAMP
Little Klondike
Syenite Creek

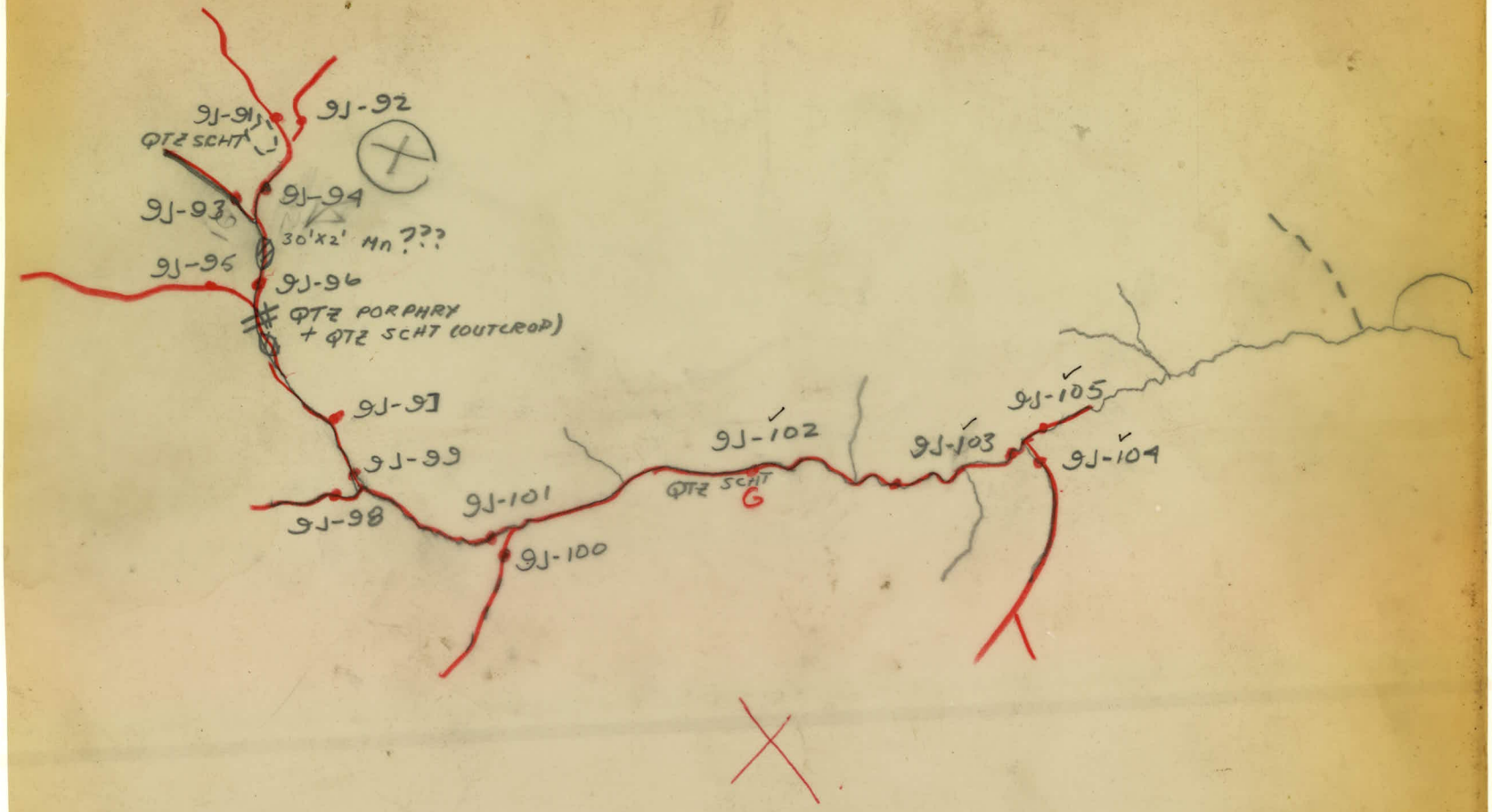
A12263-197

Syenite Mnt.
Camp 4
G. Lishy

TINTINA
McQUESTON

JOSEPHINE CREEK

JUNE 13, 1963
Ray Wells



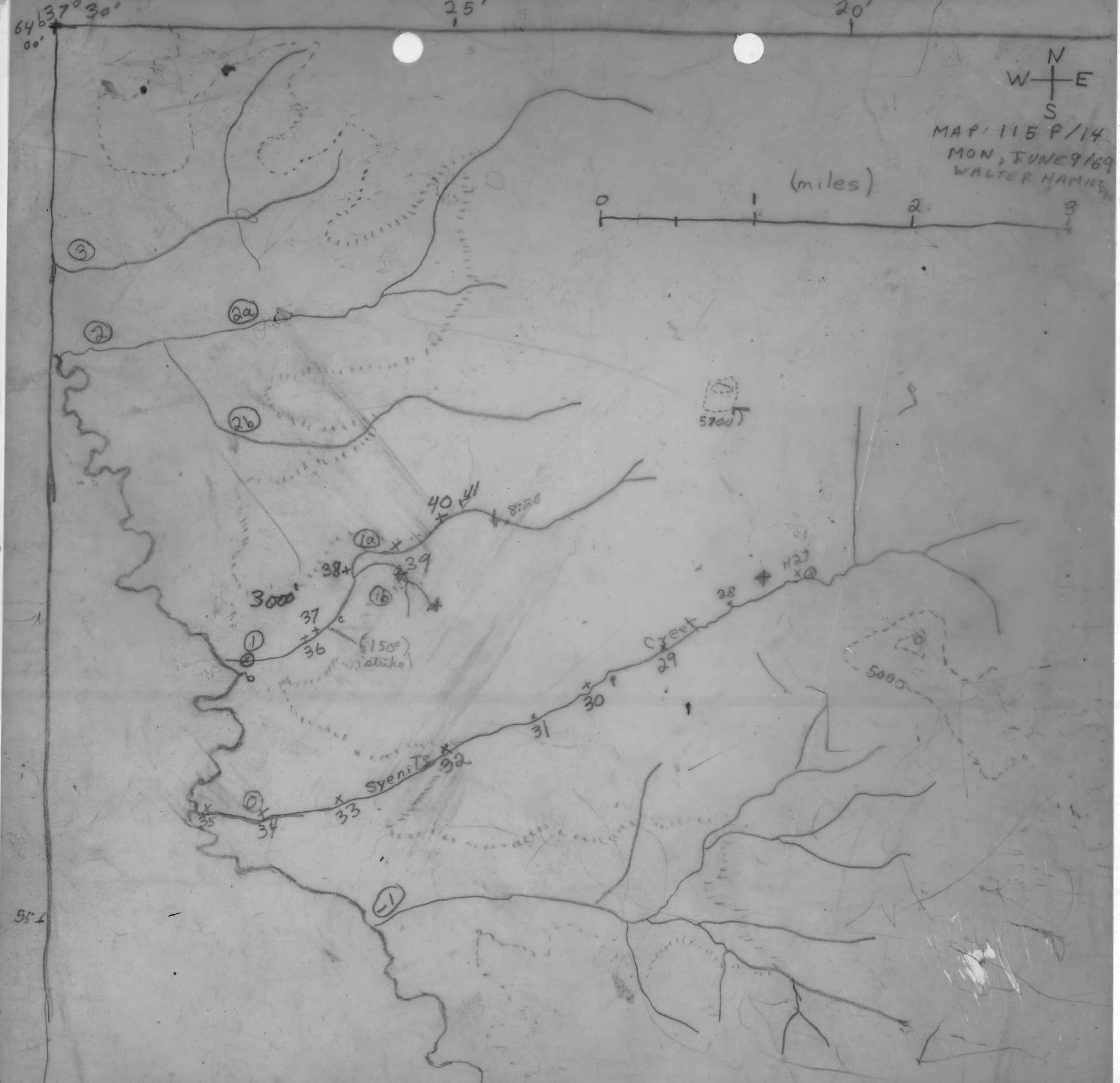
MAP 115 P/14

A12259 - 275

TINTINA
McQUESTON

JUNE 14, 1969.
MAP 115 P/14
× NO PHOTO USED
RAY WELLS

SCALE 1" = 50,000'



64b 37° 30'
00'
25'
20'
N
W
E
S
MAP 115 P/14
MON, JUNE 9/69
(miles)
0
1
2
3
3
2a
2
2b
5800
1a
1b
1
0
-1
40
41
38
39
37
36
150°
strike
3000'
35
34
33
Syenite
32
31
30
29
Creek
28
H27
5000
55