

Sept 22/76

Kirbyville & Sibley Creeks

Clear, Warm (Lomenda's)

841249
Kirbyville &
Sibley Creeks

Sibley - 21

- Rusty, crumbly zone

- Brown weathering, rotten garnet - feldspar - biotite, -qtz gneiss with thin veins of pegmatite (no qtz), feldspar, wh

- On hill is brown weathering carbonate

→ brownish white on fresh surface, fine gr. equigranular, 5-20% mafics & accessories;

calite, in places with intercalations of qtz-feld biotite gneiss

→ B.C 100^{cps} on B.C 1st

[Gneisses with garnets 150 cps]

- Conformable(?)

This carbonate could be a H
carbonate &/or a sediment.

22 Sept 1976

Plot's

Acrocladonetics of Sibley &
Kirbyville Creeks.

Stz Sibley - 21

qtz - bio garnet schist
Cuts reddish brown, joining
sandy rounded slopes.
Summit, almadin(?), as
very impure dolomite
that weather to sugary
irregular XI shapes, $\approx 1/4$ in.
Background, 80-100 cps.
pyramitic folds of quartz
rich layers. stopped here
because rock had similar
weathering character to carbonate

Daily Summary

At Kirbyville Creek #70 on the
6500 foot contour, we flew across
a brown weathering unit ~~that~~ ^{with}
weathered appearance of a carbonate.
where general B.G. = 600 cps. @ #70
went to 900-1000 cps. We did
not stop. Several white nodules
(Kirbyville #9, & 30) ~~of~~ show only
B.G. values.

24 Sept 1976

80°C scattered overcast
Anomaly 22/09/76 - 1 @ fiducial #70

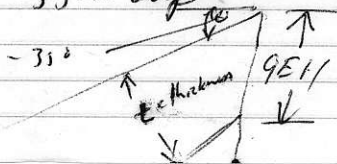
Kirbyville Creek Carbonatite
located along ridge NW of
Kirbyville L. @ 6000 feet. Between
fiducial marks 70 & 71 @ 6000'

photo #23 Kirbyville Carbonate
[185°, 35°W] dipping
at 35°W, looking south; chopper
for scale; flow banding.

photo #24 fragmental carbonatite
matrix ferroan calcite, yellowish
brown. Black mineral is biotite
Xl's, two eyes 1-3mm flakes in
matrix and large blocks 1-3cm
long X 1-2cm wide. rock frags
of nepheline syph right and
pyroxene frags. note flow
banding. Magnet for scale, but
is not magnetic.
FP-76-58 @ photo #33

L 24/09/76-5 (FW) - soil reading 400 cps

Apparent thickness 9 eye height
w/ -35°W dip



Radiometrics

(2)

B.G. 150-250 cps
high 400 cps

Photos 23 → 32 are Kirbyville

Sibley Creek CARBONATITE

@ location #27; 6100 feet
south of east end of Sibley Lake.

FP-76-60 specimen
2/24/05/76-4 rock chips

260°-60N
Photo #33 stigmatite folds in
carbonatite

100+ feet thick, appears to
conformably with overlying
gneissic schist. must be
nearly same, or same, age as
gneisses as it is internally
completely

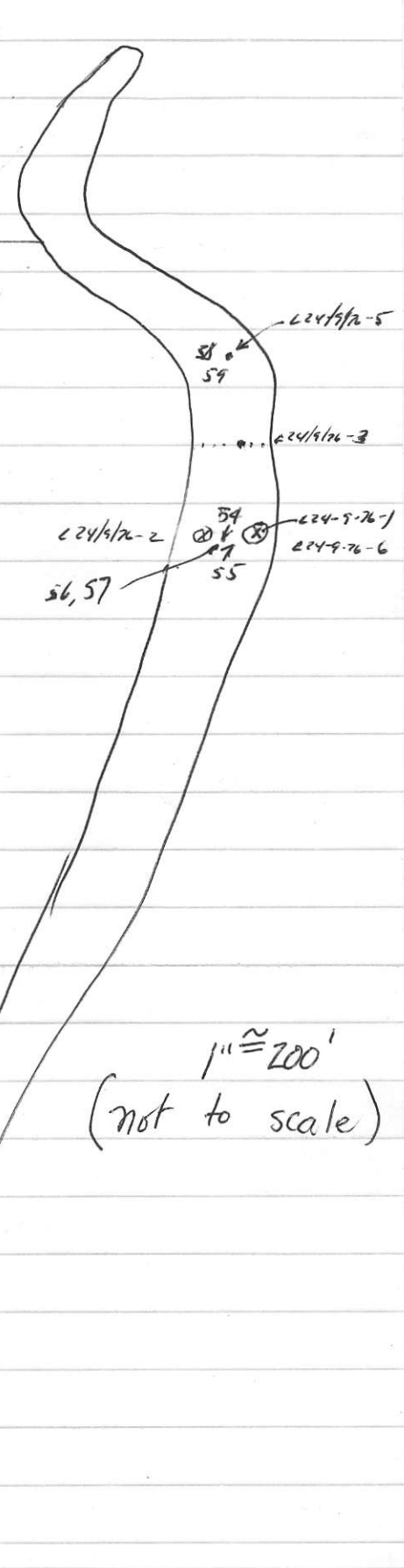
Photo #34 looking east
of buff colored
Sibley Cr carbonatite

KIRBYVILLE CREEK CARBONATITE



<u>SAMPLE #</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
L24-9-76-1*	rx chip	
L24-9-76-2*	rx chip	
FP-76-54	specimen	from lower 1/2 represents 1/2 zone in carbonatite; high calcite
FP-76-55	specimen	pure sample from brown weathered carbonatite from upper 1/2
FP-76-56	dup licates (2) specimen	white rock frags from middle of unit
FP-76-57		
FP-76-57	dup licate (2)	representative sample
L24/9/76-6*	rock chips	selective pink frags.
L24/9/76-3*	rock chips	across carbonatite
L24/9/76-5*	soil	radioactive soil
FP-76-58	specimen	
F-76-59*	rock chips	

* assay



1" \approx 200'
(not to scale)

SIBLEY CREEK CARBONATITE

<u>SAMPLE NO.</u>	<u>TYPE</u>
L24/9/76-4	Rock Chip.
FP-76 -60	specimen
FP-76 -61	specimen