

PANTHER MOUNTAIN 6/11/84 SOIL DEPTHS (pp. 170-24 to 27)

(Steve Parisio & Mtem Catherine Ferreri)
could not read original notes well

Transcribed from original field notes on 12/17/15.

Main purpose: Soil perch with auger.
See summary on p. 170-26 new

170-24 new

Site letters A through RR added in 2015.

- A) Lv. Fox Hollow trail head 7:40 AM
- B) Elev. 1570' Beech 18" down with "pancake" (root system) upended 36" deep x 11 ft. across. Roots very fine at 36" depth
- C) Elev. 1590'. Brook in 10' of till, no ledge. #229 (soil sample?) probably the same
- D) Elev. 2200'. ASH in 1/2 leaf
- E) Elev. 2500'. ASH budding
- F) Elev. 2800'. VA, LL
- G) Elev. 2640'. Fallen ash 16" dbh, pulled up 18" thick "pancake" of soil. 8:40 AM. 8 by age at breast height [broken or cut?] ASH # 40
- H) 2640' Elev. Spring just below "pancake" 8 ft across x 17" deep
[Must be seepy area].
3 SUGS : 12", 18", 24" dbh.
"pancake" 30" to 36" deep and pit.
OSMO-CAULO-LAP-VC-TIOR-NIORS-GAL-DIC CAN
- I) 2680'. Medeola, BC, VC, Vpub in flower
- J) ca. 3000'. SUG & RM mixed. "pancakes" 12", 18". Bore 6" with auger several times to flagstones Claytonia in fl.
- K) Drowned BC still alive, 12" pit at base, and 12" more (ie 24") to flag.

Lean-to Fox Hollow Elev. 1650'

- L) Drowned tree with "pancake" 24" to 30" deep. Bore 6" to flag on trail.
- M) Broad crevice ledge east of trail. No more bark road evidence. Trail becomes steep.
- N) Trail leaves east end of crest. "pancakes" 24" to 27" soil depth. Up steeply again.
- O) 1st FIR on west side. SUG & B still in
- P) Steep ledge up to knob 3380'. Trail eroded into 12" of till. Bores = 7", three times to resistance.
- Q) YB in flower. Leaves budding to 1/8 expanded
- R) Elev. 3380'. 9:53 AM. RM in 1/3 leaf. VA + TE + TU in flower.
- S) Spruce reprod. in grove - some healthy, some with brown needles in 1983 growth.
- T) Panther Summit, ca. 10:40 AM. 3720' Elev.
Phytolium? → Phytolium ciliare on rock.
FIR - PB - AMEL BART - VA - PIN - YB
CORYLIS in flower.
21" probe SW of highest point & S of campsite. 6" to 9" probes to flags in most bores.

Most leaf at to 3000' level.

U Trail eroded at south lookout to Slide Mtn, elev. \pm 3700' -
17" bore + eroded trail 7" = Σ 24"
17" bore + 12" eroded trail = 31"
15" bore on trail S of summit
18" bore on trail with ledge down
Just east

Campsite: 9", 10" to flagstone
7", most less
Organic matter 6" deep.
Taraxacum!

V North crest at noon; cuser bores
7", 12", 6", 6", 3", 3", 7", 7",
9", 5" to ledge. Begin descent
of Panther back to Fox Hollow.
32" on trail below crest of small ledge
at elev. 3550? 19". PB dom.
Fir still present. ERK + CLAYT in
flower.

W 3500' sign, base of steep ledges.
PB ends, SUB begins. ERK + CLAYT
in flower. Few fls to 18"

Vervatum \rightarrow V V west crest of #24 flat,
(What is #24?) A soil sample?
SUG-B-PB-MD-BC - Fir to N. dense
18" very sly here, nit rock, very

X Panther #24 plot flat, probably 2 ft.
of till overlage, then 6", 7", 10"
on trail E of crest, 6". #227.
(What is #227?)

Y Open area: O.M. + ferns on rock.
Ledge down.

Z Open area south of spruce grove.
COL

AA Spruce grove on a disintegrating
cong lunate ledge with many crevices.
O.M. collects to 6" in crevices.

Some old Yang spruce with brown
1983 needles, but many still healthy.

BB 24" bore on a deer trail W of #228.
15", many only 5"

Upended Spruces

#228 [What is it?] 12' x 10' "pancake" of
spruce, 24" thick, the spruce 27" dbh

#228B [Soil sample] at a 20" dbh spruce
with a "cake", 7' x 9' root mat 24"
thick at most.

Live spruce leaning to NE of #228 with
a 12" "cake" + 7" more deep in bore in
its hollow = Σ 19".
8" on trail.

CC BC-dominated crest between spruce groves.
Trail little on ledge, few boulders.
23" bore in trail. One old mound (tree-
throw mound?) 2' high.

DD North Spruce knob 6", 6" bores.
Spruce rooting into crevices.

EE BC grove #2. Hardwood groves are less
bouldery. Trees 30' tall. 12", 8",
6", 7". Lower terrace on east.
[Some undecipherable notes here]

FF Summit 3448'. 2:00 PM. Openings
1" to 2" on ledge, 4" to 6" of OM on
ledge. Several fir trees 20' tall.
6", 16", 9"

GG Col with several fir.

HH Summit 3380'. Taraxacum 2:24 PM
Bees pollinating Vaccinium.

HH continued, 0" to 3" of till, 12" in BC grove, 7", 18" in trail cut.

Descent from Summit 3380. 2=47 PM

II Upper 20' high ledge. Lookout at trail bend. Ascent borings here.

JJ Lower 20' ledge. Crowns 30' tall above this ledge, 50' to 60' tall below it. KB dom, SUG, FJR on W. Big domed SUG.

KK Site of SUG measured on ascent, down on east. "Pancake" 24". Another SUG on west with inclined "pancake" 12" thick + 22" bore in its hollow = Σ 34".

LL Upper crevice ledge BC with 18" "pancake" + bore in its hollow = Σ 30". 30" "pancake", then Lower crevice ledge.

2 leaning live BCs, one of them measured on ascent, W side, 36" "pancake", another 36" "pancake"

MM ASH about 100' above col.

NN Descent off col. 3=25 PM. TU in fl. 2600' elevation: 24" "pancake" on this level, N brook. Good RM bank on E (2 trunks).

OO Begin down descent off the levels. Several hemlock **PP** Highest Oak. Upper ledge? Small S-curve

[In trail?] **QQ** Lower ledge? More oak

RR Trees 80' tall on big trail S-curve. BASS at base. BB at leanto. [Another] S-curve. OUT 4:23 PM.

Color-coding done on transcription, 12/17/15:

green : species names

brown : auger bore depths to

blue : springs & vills ledge or flagstone

orange : samples? NO soil depth measurements. #229 at **C**.

#24 at **W**, **X**

#227 : **X**

#228 - **BB** #228B

In a ridge hwd. stand

Is #24 a Thesis 1970 transect?

Yes! 6/19/70 Elev. 3420

Then what are #227, 228, 228A, & #229?

Look in Box labeled "Soil stoniness, water cap., texture & depth"

Folder made of 11x17 white paper

Soil Depth → folded over with a PR profile

Profile Open up the diagram on lined paper - Inside "Panther. giant ledge"

#227 is on N Spur Panther at elev. 3420'

#228 in spruce grove at 3400'

#229 in Fox Hollow, 1400' to 1650'.

No need to draw a profile diagram here. Already done on 6/9/84.