

One small DP glade
in this area, about
20' wide, under
BCs with 1/2 their
limbs gone

MILL BROOK RIDGE

(H) 3480'
highest
point

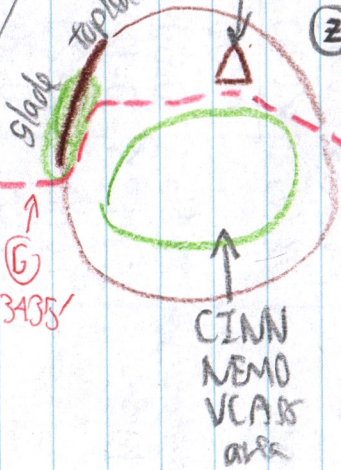
3120'
Bog #319
COL (C) ledge
crevice
TO Beaver
Meadow
Leanto &
Alder Lake

1st
DP
glade
(D) 3271'

terrace
pitch
ledge
large
boulders
3299'
(E)

(F) 3353'
Sorensen
ledge

(G) 3435'



lowest glade
(Z)

(I) 3408'

smaller
glades

steeper
gentler

base of steeper slope

3 PBs on
boulders
upper lower

(J) 3353'

(K) 3245'

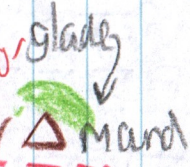
(U) 3191'

(V) 3145'

one PB has died
since 1998 visit

3100' glade
(L)

COL



(M) 3140'

(N) 3300'

Partial view to
Beech Lake

ledge
with
holes
(MM)

ledge
with
glade
Vista
3400'
(P)

Woodpecker

(O) 3360'

WPT area
with
vill

Summit
North
Ridge
(Q) 3420'

To Balsam Lake Mtn. 3400' partial lookout

General Observations on the firless ridges

DBR+MBR have fewer & smaller fem glades and these tend to hug ledges—on talus below, on ledges above ledge. Most glades are 20' to 50' across with occasional larger ones 100' to 200' or more.

Fem glades are NOT a function of fir presence, but are a function of hardwood inability to maintain a closed canopy, either because of:

1. Too shallow & stony as on ledges, and
2. Too disturbed by wind ice & snow on gentler slopes on higher, ^{often} eastern peaks like Slide & Balsam Lake Mtns.

OR BOTH.

Canopy height

Rate of Invasion from the Edges:

Most trees grow at 3" to 6" / y horizontally into a glade. At a rate of 6" / year, a glade 30' across would require 30y to fill in (15' radius). A 100' wide glade would require about 100 years.

Rate of Creation of a fem glade:

From nearly instantaneous in a blowdown to decades with individual limb death drop.

Fem glades occur where trees have trouble colonizing & cannot maintain a closed stand. It is a matter less of canopy gaps but more of NEVER a canopy.

(C) Bog # 319 Some of the KBs have lost major limbs since the last visit about 11/1/05.

CINN hummocks are up to 4' wide, 2' long, and 20" high. Estimated age is several centuries. Water table quite low now with visible water only in a few pockets. Much wetter during Nov. 2005 sampling in snow melt.

Large VA colony at SW end. Leaf litter from trees and CINN leaf litter cover the bog surface and could conceal any pits dug earlier in the season (but none in 2006).

(B) OST & SUB fixed together at NW end of 3rd meadow, next to a will crossed by a bridge of flat stones on the trail.

BASS & ASH are scattered from Alder Lake to the 1st meadow.

Beaver meadows, all 3, are dom- by Calamagrostis with ^{only} local colonies of Solidago & Joe me. A few Samb. Can.

VA begins about 100 ft elev below 1st meadow & is only widely-scattered with small plants. The ridgeline has a little more, but it is never really abundant.

© 1st Camrylptera, \$c,
FROM NOW ON,
DISTINGUISH THE TWO
\$ WITH:

- \$i = Intermedia
- \$c = Camrylptera

begin in the small ravine trail x-ing below #319, ca-elev. 3000'. $\pm 3000'$
It becomes abundant above 1st ledge above Bsg #319. SUGs abundant here.

- ① 1st DP glade at a ledge top, above 20' wide. Partial west lookout. 2nd DP glade soon follows. 1st CB $\pm 3200'$
- ② Huge baldor pile on fence. 3rd small DP, NYF. $3300'$
- ③ SCORBUS on KB ledge $3353'$
SCORBUS seedling below on talus. 4th small DP glade to south, then a 5th on a flat above ledge. F

④ 1st larger DP glade on last ledge which supports the $\pm 3450'$ 3480' summit H . It extends down onto talus and is about 50' long x 50' wide. Not fully open, but with several live trees & dead spars within it. Invading at edge are YB & BC in limited ##, plus B sprouts.

⑤ Canopy $\pm 25'$. Summit. 20
 $3480'$ max 30' BCs.
SM basal lvs. B thickets, too. UP
VCARS-NEMO thicket is NOT wet & NO Sphagnum. 45
Very few VA.

⑥ This is the largest glade; it \rightarrow wraps around E to NE side of mtn at $\pm 3400'$ level, following the contour of 1st, but then expanding both upwards & downwards as one walks north. \$c is the dominant $3400'$
Along trail, this glade is 20 paces across near its southerly, narrow end, or ± 80 feet.

It runs N & NW for about 300' on contour over steeper baldor & ledges. In places, the glade drops 200' in distance (not elev.) down to NE.

Plantation visible WNW of Martz Road trail head.

Small 20' to 30' wide DP patches are within the \$c glade

Continued on p. 200-76

- ⑦ DP-NYF glade, with some \$c below. $3353'$
- ⑧ \$c glade with $3245'$ SUG, VA & some DP. Both J & K about 50' wide

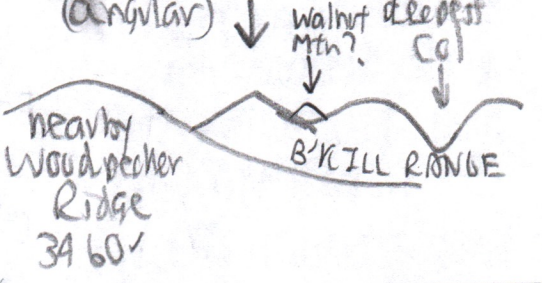
⑨ $3100'$ E . SUB common, but with BC & B thickets also. The 10' high mound has a DP glade on its N & NE shoulder, UP
 45 \rightarrow $< 50'$ wide. \$c with VA & B remnant at edge bracketed. Canopy 50 to 55'.

⑩ $3140'$ Just above partial lookout is a \$c-DP glade, N of trail on the bony ridgeline.

⑪ $3300'$ \$c with some DP on ledge top

⑫ $3360'$ Wet spot to N with outlet vial x-ing the trail. The other 3 wet spots in the area are now invisible because of the B thickets. The ridge is narrow above & tapers south to the lookout. C1M-N-VCARS

⑬ $3400'$ Lookout. SCORBUS. What is this peak, looking south? $3062'$?



⑭ $3420'$ North peak, Woodpecker Ridge. Tiny NYF glade to S off trail. Dead BC & B & PM on limbs down & abundant. Canopy 40'.

More glades with DP & NYF, $< 10'$ across & $30'$ across. Some with trees & free islands. Dense B sprouts alternate.

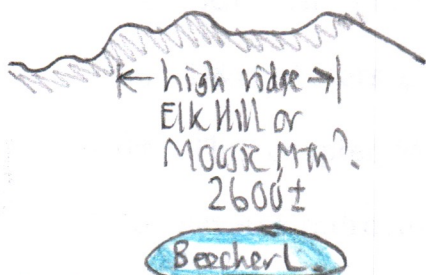
(C) continued. More \$c above, and below ledges than in areas where bedrock is NOT exposed.

340 (R) Partial view of Balsam Lake Mtn Summit. Tower Superstee Fir by 3x the cabin height



Viewed from a \$c glade on E shoulder of Woodpecker's North Peak

(P) More views from lookout, to Pennsylvania, on horizon to WSW.



Is the beaver pond under slightly to right of Manganup JTFJ/Mtn?

BCs at lookout have dead & decapitated tops 35' to 40' high.

RA common in this area, but not so much elsewhere along this trail.

(I) continued: 270-76 Rates of invasion at edges.

PB saplings, 4" to 6" ly, many branched.

MO 2 to 4" ly/year, occasionally 12" Unbranched 15 to 20" but not common

B sprouts. 4 to 6 to 7" year in a wet year. 12" infrequent.

Small DP glade to NW upper end at (Z) has B, MO & PB growing up through its center at a rapid rate of 12" to 20" y Unbranched.

B grows several to 6" y. Glade ca. 30' wide.

In the main central part of glade (I), live PBs 18 to 24" dbh x 50' tall have broken limbs & are widely scattered. No tree repr. in glade center here.

More near (D) small glade with all 3 ferns (DP, \$c, NYF) under 2 large dead trees near a vill.

Photos of Alder Lake on way out, begin 2006 Roll #8.