

Balsam Lake Mtn. 9/7/06

Follow-up of 8/31/06, pp. 260-51 → 54.

1. BOG#387 — — See Bog files for detail

2. Campyloptera — 1st popn. is on S side of trail just below the 3000' trail turn on a YB talus slope. Just below, the 90° turn at 2950' is on a SUB flat without this fern. The 1st popn continues onto E side of trail at above ^{to} 3000' turn, also on YB talus.

Intermittent populations become more frequent with increasing elev. Moderate shade tolerance prevents Campyloptera from growing under N hardwoods or dense fir at lowest & highest elevs, respectively. Its tolerance is similar to that of N Fern, more than DP but less than intermedia. Campyloptera occurs then, in semi-open stands typically dominated by YB. See (p. 166-12) for fern glade discussion on Schekelmoose Mtn.

3. Balsam fir — Occurs as sapling thickets at the last 3 steep pitches below Bogs #355 & 387, directly along the trail where light is more prevalent. Reminiscent of fir thickets coming in on a ban. log roads around PSC.

Fir-dominated areas are a function of blowdown frequency — more often than the lifespan of the fir, ca-100y. This includes some ice & snow damage, too. Nil firs atop this summit are >100y; only B, BC, RM & YB can do this. The 1950 blowdown pocket W of the tower has filled in between 1970 & 2006 to the point that it resembles much of the rest of the summit — just NO oldest trees.

Fir height growth for 2006 season varies from 4" to 16" on the leader shoots, the mean about 10". Forest is about 1/2 the tower height, about 30'. At this rate, 10"/year, a fir would require about

$\frac{12 \times 30}{10} = \frac{360}{10} = 36 \text{ y to reach a height of } 30'$

Schedule:

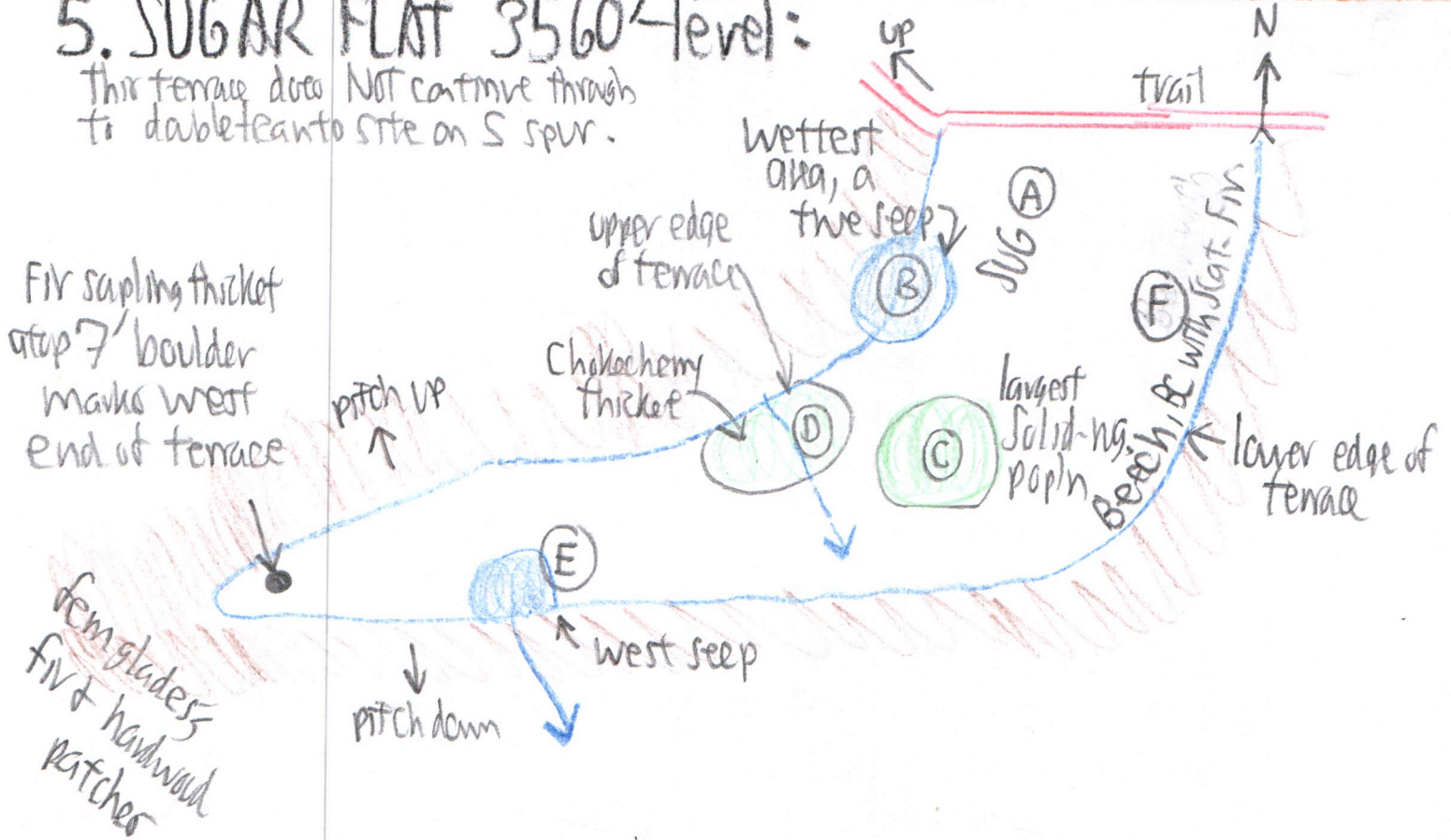
Trailhead 9:29 AM
 Big bog 10:59
 with a 6-min. stop. Find deep soil probe
 LUNCH
 PEAT SAMPLE
 LV bog - 1:20 PM
 explore 3560' terrace
 LV gate 2:53
 Av-trailhead.
 4:00 PM with ± 10-minute stop to meet Jay Martin near register.

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4. Record maximum elevs for Catskills? At site of now-removed storage shed, *Solidago rugosa*, *Salix bebbiana*, PIN, & TASP have moved in at 3720 ft.

5. SUGAR FLAT 3560' level:

This terrace does NOT continue through to double-teanto site on S spur.



- (B) (A) SUB, PREN, ASTER PUNICEUS, THALIC, TIAR, CAMPHLOTTES turning purple, SORBS in heavy fruit, SOLID LATIFOLIA-
 REUMINATUS
- (E) IMP. CK CRIN, CHELONE, CIMNA, VA, ASTER PUNICEUS & UMBEL & SOLID RUB,
 SPURSUM SQUARROSUM, POLEMONIUM in fruit, VIOLA, NYF, LAD. OP
- Surrounding: SUB, MM, BC, YB, SORBUS, FIR SCOT.
- (F) is drier and is Beech-dominated. NO SUB.

6. 3340-foot Seep N of trail. SUB-Angelica. Log road ^{through it} if it did exist, does NOT continue past this seep. The terrace abruptly ends and there is NO road up or down the seep, baldery pitches on either side. *Solidago latifolia* is abn. here.