

BALSAM LAKE MTN. FROM THE NORTHWEST

with Mark Erler + Dick McIntosh

11/11/05

260-45

site	P	Δp	Δe	e calc	e map	time	R
(A) Mill Brook Road	29.30	0.00	—	—	2200?	±9:15AM	
(B) 1 ASH e-p 289	29.12	0.18	147	2347			
(C) 32" SUB # 1292	29.05	0.25	205	2406			
(D) 2nd ASH on terrace	28.84	0.46	377	2577			
(E) SUB # 1288	28.58	0.72	590	2790			
(F) Crest of east spur	28.36	0.94	770	2970		ca. 11AM	
(G) Secondary NEM grove	28.47	0.83	680	2880			
(H) 2° cove SUB e-p 290	28.56	0.74	606	2806			
(I) Cross brook	28.66	0.64	524	2724			
(J) base of talus below ledge e-p 291	28.62	0.68	557	2757			
(K) On west spur crest	28.36	0.94	770	2970			
(L) Primary NEM grove, top	28.44	0.86	704	2904		NOON	
(M) Sub terrace: lunch	28.36	0.94	770	2970			
(N) terrace	28.18	1.12	917	3117			
(O) cross SNY blaze	27.94	1.36	1114	3314			
(P) 1st dead fir	27.90	1.40	1147	3347			
(Q) SUB on spring	27.80	1.50	1229	3429			
(R) last SUB; 1st live fir	27.66	1.64	1343	3543			
(S) cross SNY blaze	27.65	1.65	1351	3551			
(T) 1st SORBS	27.62	1.68	1376	3576			
(U) Campy. abn.	27.50	1.80	1474	3674			
(V) Balsam Lake Tower	27.44	1.86	1523	3723	3723?	2:15 to 2:30	
(W) } Mill Brook Road	28.84	at 9AM				±9:00 AM	
(X) } Pass	28.78	at 4PM			2600	±4:10 PM	

3723 - 2200 = 1523' ±
 2930" - 2944" = 1.86"
 = 0.819 with high pressure building in on back NW winds, mostly overcast with a few interability flurries.

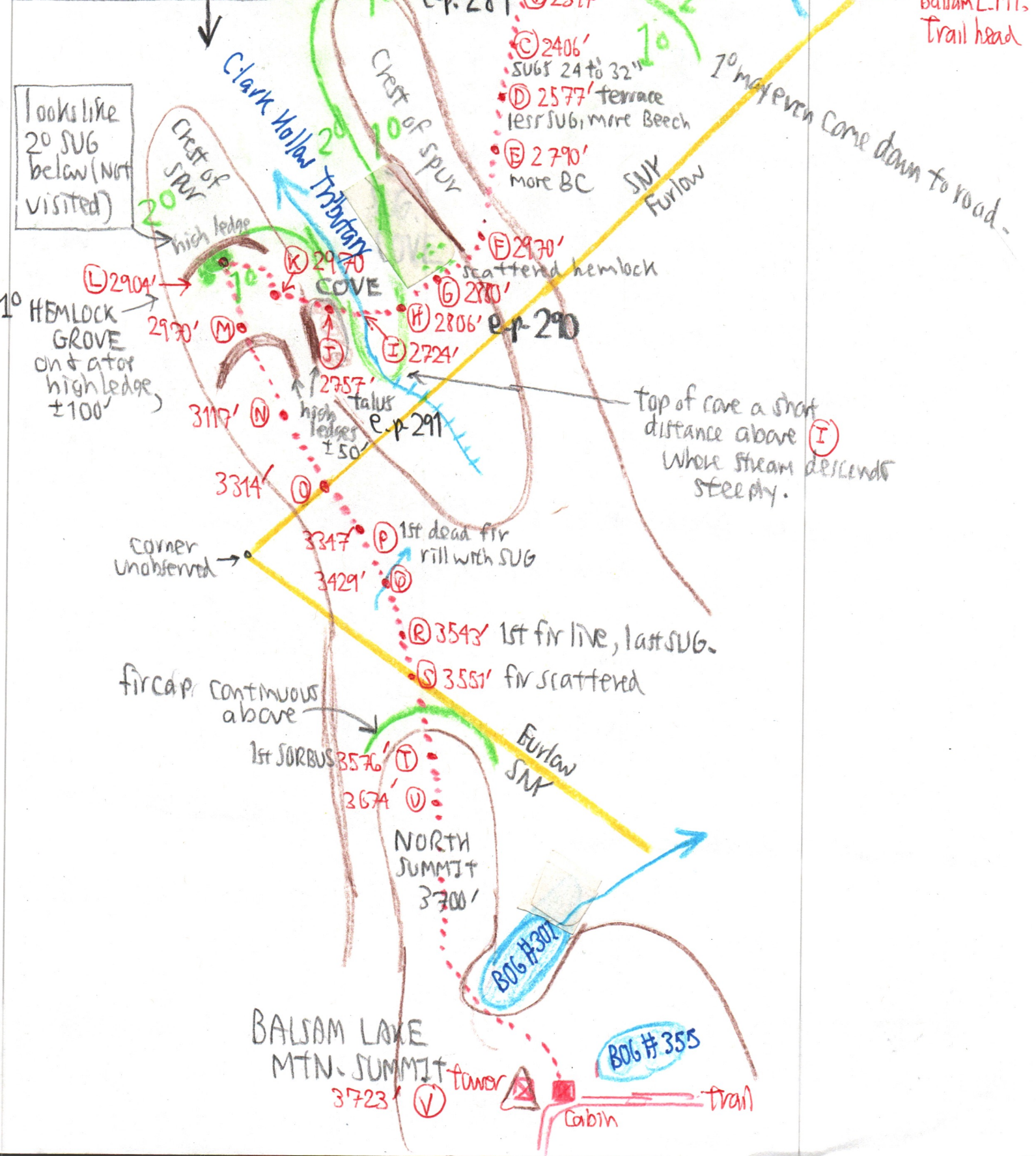
24-015 More Detail:

- (A) BASF at bridge on MBRD, just above parking area. Snow in patches. 2200'
- (AA) Wetland in a depression, elev. 2250' NEM-SPNAG-PB. BOG # 380 to be cored in May 2006. ± 2250'
- (B) ASH, 1st. Forest looks undisturbed - NO pioneer, NO roads all the way to (H). Probably 10, Unevenaged. Many large trees.
- (C) 32" SUB with a metal tag # 1292 ^{Porcella?} Dick McIntosh says DEP acid rain study. Scattered max SUB almost as big; many > 24" Few Beech.
- (D) 2nd ASH. Beech thickets more common above. 2877'
- (E) White stake in ground next to 14" SUB with # 1288 tag on it. More BC. 2790'
- (F) BC-B dom, some RM, very few SUB. 2970'
- (G) Nemo scattered, hardly a grove, to 25". Maybe 1 dozen trees. 2880'
- (H) Less steep below as one enters Cove. SUB dom. 2°. PA. NO big SUB. Barely any B or B thickets. 2806'
- (I) Brook has cut a 15 ft deep ravine in deep till. No ledge. 2724'
- (J) Base of talus below high (± 50') ledge. PB-MM-SAMB-Kylocarium. 2784'
- (K) (no detail) on crest. 2970'

- platz + 260-76
- (L) NEM grave as seen from Mill Brook Roads 2904' is disappointing. Dobs 17 to 22", x top. maybe 50 to 60' max. Flattened crowns. One 20.4" tree broken with ± 120 to 150y on a 4 1/2" section of a total 10.2" radius. Faster growth in yard. At least 200 y old. Grave on d at top of high ledge escaped tanners. The SUB flat below looks accessible & maybe 20. NOT visited.
 - (M) Lunch under a CONG. boulder. PA, 1st sapling, ALL ^{Jump} fruit on SUB gentle slope at base of high (± 40') ledge. 30°F + 1 inch of snow. 2970'
 - (N) Another gentle slope. R-BC thicket with PB. SUB at temporarily. 3112'
 - (O) SM blaze NE to SW. Few SUB. NO Fir. 3314'
 - (P) 1st dead 4" fir. 3372'
 - (Q) SUB along small rivulet. 3428'
 - (R) ~~3523'~~ SUB 12" with 1st live fir.
 - (S) SM blaze NW to SE. FIR cap above 3551' Last SUB. Hardwoods very scrubby.
 - (T) 1st SOB. Probably Camyloptem entry (not observed). In FIR zone. 3876'
 - (U) Camyloptem abun in FIR openings. 3674'
 - (V) 26°F + about 1 1/2" of snow on ground. 3823'
- Dick McIntosh ^{says} that the NW summit of BL Mtn between (T) and (V) was more open with PB - SOB decader ago & has recently become thick with FIR.

This ^(L) ~~grants~~ ^{is} noticed from Platze Rd in May 2005. Much taller than surrounding hardwoods. Could be grants, but not so because of stunting. 1° however **HEMLOCK**.

Looks like 20' SUB below (Not visited)



top of cave a short distance above (I) where stream descends steeply.

FA-025

Balsam fir Regeneration

MK suggested, once on the summit crest, to keep W of Bog #301 because the N summit was more open, ^{had} more hardwood & less fir thicker than ^{the area} E of Bog 301. It turned out that the N summit is almost as thick as the area E of #301 with fir.

Dick McIntosh said that he noticed, over the last ± 30 years, that the N summit does indeed have more fir than it used to.

Look at MK 35mm from the tower Northwest taken ca 1970 & compare it to the tower view today. Take a hand lens or magnifier-slide viewer.

Formely more (Bt 5023)

On 11/12/05, it was noted that the N spur of Balsam Mtn. has more fir than it used to. Or are the fir more conspicuous in November with the hardwood leaves off?

As early as 1995, Eagle Mtn. seems to have an expanding fir pop'n & Kaymer's is NOT shrinking.

Tree Descriptions

9/5/06

260-49

Forest History Interpretations

(A) On moraine, from 5/24/06, field notes page from Bog #380 file.

BC = half-dead 30.8",
live 33"

YB = 26-8"

RM = 26-0"

E-hemlocks south of (T) - 30.9", 34-4". One leaning at Wend of bog 28.3".

Time	
(T) 10:10 AM	
(C) 10-20	(D) 10:30
(I) 11:05	
(K) 11:15	
Return to road 11:43 near Bridge #4	

(A) to (C) 1st growth no overton

(D) to (M) possible 10. Sap arch at

(D) could or could not mean removal of species other than SUB. Large old SUB could have been a Sugbush.

(E) to (K) Chemical ashes could mean a light logging disturbance in the 19th century.

Or could be natural!

NO roads anywhere.

(B) lone ash

(C) another lone ash ± 26"

(D) Sap arch → SUBs to 25.5" diam, open stand, \$

(E) BC 29.2" (EE) Beech down 13" diam = 88 y, broken 15' up.

(F) 3 ASH of variable size Tree #C20

(G) 40" SUB with swollen base

(H) 40" SUB down with heart rot - not countable

(I) Beech 19" broken dead

(J) BC 28"

(K) 31" ASH next to 15" ASH

(L) 29.5" YB

(M) 32" RM

(N) Two young 6" hemlock

(NN) 18" cut stump, species not identifiable, maybe 30 years. To west, many 15" YB & no more BIG SUB.

(O) 2 large hemlocks on steep core bank, betw 24 & 30" estimate

(P) Whole hemlock grove - nearly continuous east to (T), but all hardwoods above from (A) to (M)

CAULO
Arthelet
Adiantum
moss &
vch

(Q) 28.7" Hemlock (R) 24.6" Beech
IME

(S) Two cut stumps

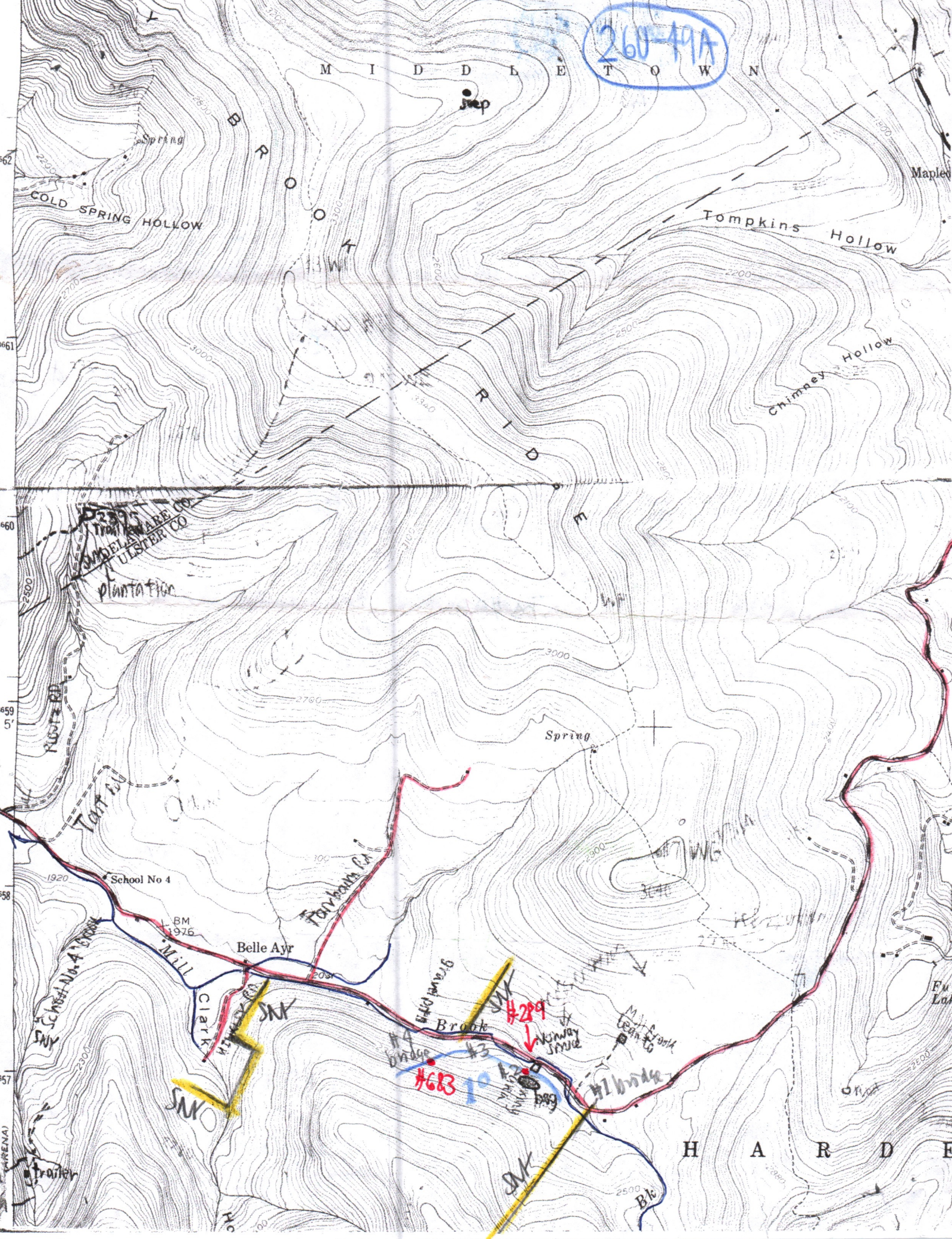
(T) More cut stumps at top of steep bank, but none further in on moraine. USDA Forest Service Sample Plot with tagged hemlocks (metal discs about 1" diam, like on SUBs up slope on 11/11/05 excursion).

see 126045

260-49A

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