

# Balsam Mtn. from the Confluence of Rider's Mine Hollow Streams

9/18/06  
MK alone

21a-35

Site	P	Ap	$\Delta e$	R <sub>1</sub> =0.910	Scale	e-map	time	R
(A) Rider Hollow Trailhead	29.36	0.00	0		-	1980	9:45 AM	
(B) Confluence Mine Hollow	29.28	0.08	73		2053	2060	9:57	
(C) terrace, above HEM grove	28.94	0.42	382		2362		10:20	
(D) 2 bigtooth	28.88	0.48	437		2417			
(E) more bigtooth, terrace	28.78	0.58	528		2508			
(F) bigtooth down	28.64	0.72	655		2635			
(G) slid boulder	28.60	0.76	692		2672			
(H) several ash	28.46	0.90	819		2799		10:55	
(I) much more bouldery $1^{\circ}$	28.22	1.14	1037		3017		11:10	
(J) PB dominant $1^{\circ}$ ?	28.15	1.21	1101		3081			
(K) 1st ledge top, $1^{\circ}$ deflection	28.08	1.28	1165		3145			
(L) SUG grove	27.96	1.40	1274		3254	1st CANNML		
(M) Sub terrace	27.90	1.46	1329		3309		11:35	
(N) 2nd ledge top	27.86	1.50	1365		3345			
(O) 1st firs	27.82	1.54	1401		3381			
(P) larch	27.78	1.62	1474		3454		11:55-12:10	
(Q) on trail at 3500' sign	27.72	1.64	1492		3472		12:17	
(R) 10' ledge for thicket	27.66	1.70	1547		3527			
(S) 1st DP-RA glade	27.63	1.73	1574		3554			
(T) Lookout	27.63	1.73	*1574		3554		1:30 to 1:35	7 ft Can't be
(U) Summit	27.58	1.78	*1620	R <sub>2</sub> =0.947	3600	1:47		46 feet $\downarrow$ more like 42 than 46
(V) BC-DP glade	27.60	1.69	1600		3580			
(W) thicket fir ledge top	27.69	1.60	1815		3495			
(X) Senecio Springs	27.74 $\rightarrow$ 27.66	1.55	1468		3448		2:20 to 2:55	
(Y) 3500' sign	27.70	1.53	1449		3429			
(Z) ledge	27.82	1.47	1392		3372			
(AA) ledge	27.83	1.46	1383		3363			
(BB) ledge top	27.84	1.45	1373		3353			
(II) brooks audible	27.25	1.04	985		2965			
(DD) ledge	28.02	1.27	1203		3183			
(EE) Haynes Col	28.18	1.11	1051		3031	326 to 3:45		
(FF) seep	28.32	0.97	919		2899			
(GG) Top 1st HEM grove	28.62	0.67	634 $\neq$ 2614					{ Can't be only 9 ft! }
(HH) Top 2nd HEM grove	28.63	0.66	625 $\neq$ 2605					
1st larch on descent							4:10	
(A) Rider Hollow Trailhead	29.29	0.00	-	-	1980	4:40		

$$3600 - 1980 = 1620'$$

$$29.36 - 27.58 = 1.78"$$

$$\frac{1620'}{1.78"} = 0.910$$

$$29.29 - 27.58 = 1.71"$$

$$\frac{1620'}{1.71"} = 0.910$$

$$\frac{1620'}{1.71"} = 0.947$$

$$0.947 - R_2 = 0.910$$

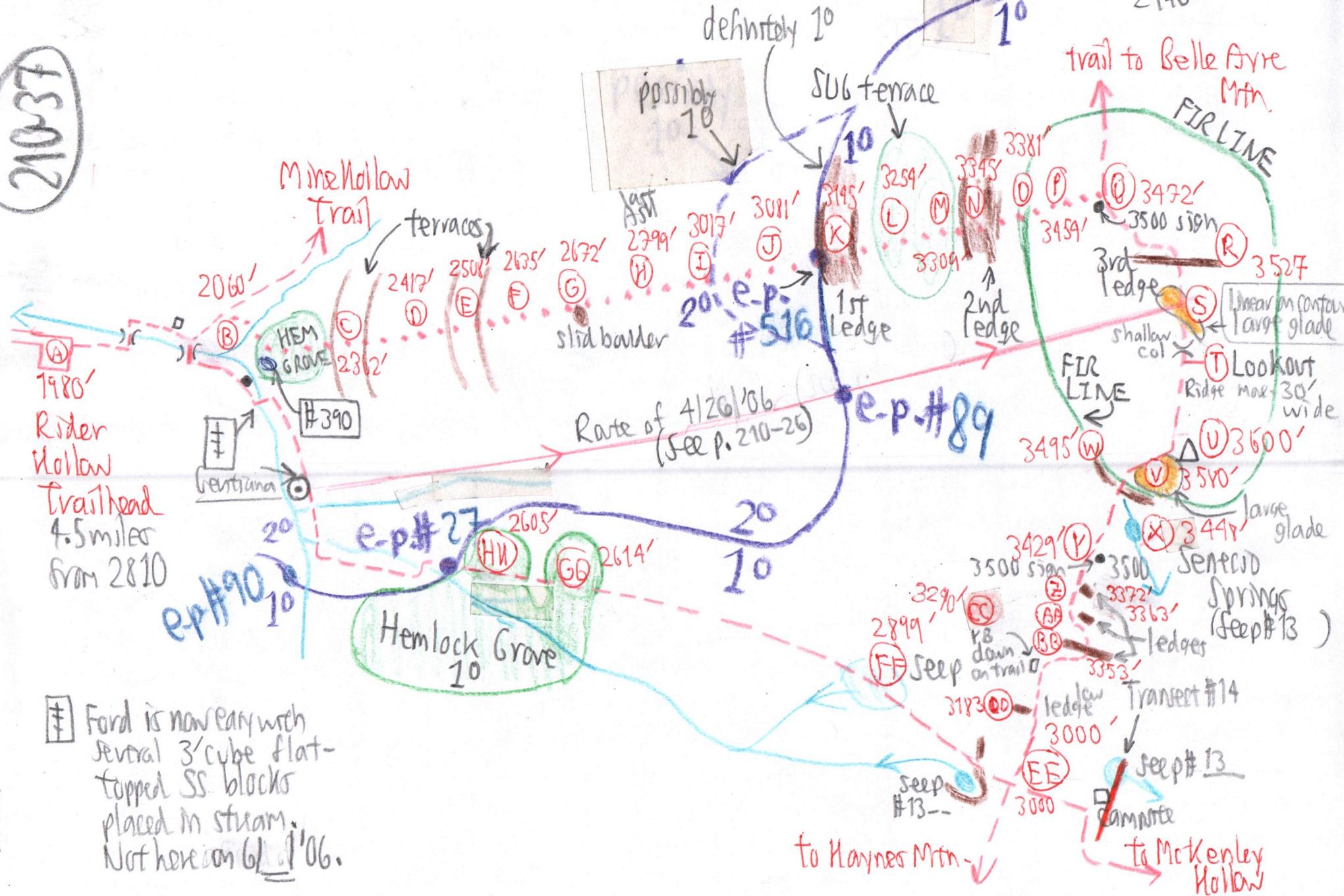
210-36

# Vegetation on ascent & descent (fern glades on p. 210-39)

- (B) Pool became Bog #390 on 9/21/06. 27" deep max peat to till! HEMs to 26" ± on steep slope. NO bark roads in grove, but 10' hardly likely so close to farms.
- (C) Hem grove ends at top of steep slope. Within grove, scattered PB, B & RM fill in old Canopy gaps. Above (C) terrace & above has HEM understory only, no mature, in SUG-B-RM. DP, B&LL, \$INT
- (D) Two big firs 15". No more HEM.
- (E) More big firs to 24" on 2nd terrace
- (F) 1st ASH. One damned Bigfirth with 'cake ± 30% stones. More tree repro.. B2 MO preventing DP cover. Keeping to north edge of spur while bushwhacking.
- (G) Slid boulder with channel above. Moved down 17 paces. Boulder 10x6x3 feet ±.
- (H) Several ASH. More bouldery. Much B slash & DP. BC+SUB to 70' Oak seedling.
- (I) Much more bouldery, some PB.
- (J) Possibly 10', but NO trees >18". SUG still in. Brooks audible from below. 60' Canopy. 1st CB, OX abun, \$int > DP.
- (K) PB dom, 1st SM. SUB OUT temporarily. 40' Canopy. TV Probably 10'. Forest twisted.
- (L) Forest twisted, Top 1st ledge with a single 22" CAN. Forest open. PB dom with B understory. Definitely 10'. Less steep. 18" OAK. SUB grove begins to 50': 1st \$CAMPYL small. BC. Diermilla.
- (M) SUG terrace. Allium, S.lat, LAP, Viola, AA. 50' TIAR.
- (N) 2nd ledgetop. SM, CB, more \$CAMPYL, PB dom.
- (O) 1st firs, 1 dead, live 7" x 30' but old with rough bark. 2nd dead & dam fr. 2nd dead & dam fr. Broken 7" fir, 55 y. 1st SORB. 30" PBs common. 1/2 dozen FIR saplings, browsed.
- (P) Lunch Stop. NOON siren audible from Arkville (or Fleischmanns)? Much scat. fr above, broch maturing & repro, plus a few dead. One tilted fir pulled up 16" of soil. \$CAMPYL common.
- (Q) On trail at 3500' sign. Fir of all ages, but PB and other hardwoods dominant. FIR is holding its own. BIG gap where 3 big PBs died.
- (R) FIR thicket atop ledge with only 12" of soil.
- (S) to (V) SEE FERN GLODES ON PAGE 210-39
- (W) Dense fir at top ledge to mid-ledge above Seneca Springs. ~~many~~ <sup>more</sup> smaller colonies than DP colonies. Dead broken fir 7", 30 to 35 y
- ~~(X)~~ SENECIO SPRINGS  
Subepiphytic leaves common
- See p. \_\_\_\_\_.
- (Y) 3500' sign.
- (EE) Transect #14: The 34" lead SUB is now dead & broken off at 10' up. MO at 1 meter is a 5" dbh clump now.
- (continued)

Transsects #3 & 12 on N end of summit  
and #13 on S mid-slope are not possible to relocate

(2003)



# More general info. on Balsam Mtn.

210-38

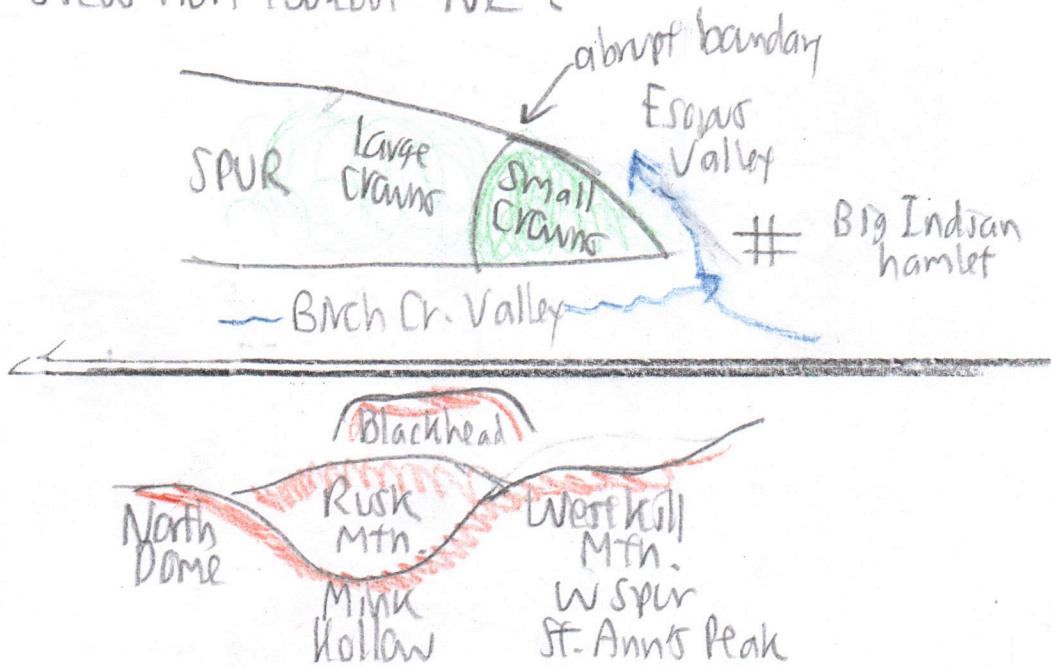
The summit ridge has had to been open in some places at any given year to maintain a *SORBUS* population. This is true for all peaks with *SORBUS*, for 10000 to 12000'.

Ravens heard on Balsam Summit, prob. from Silvertop Rock nesting site on Belleyre Mtn.

Highest point at S end is about 4' above trail.

Fir 'cake has a 12" thick root mat on 50% rock.

View from lookout NE:



Seep at (FF) VC in flower, plus *Acord*, *S lat*, *S macro* basal lvs only, *Comus* alt. *Gentiana* on trail (planted?) in fl, at Ⓛ.

Larch: More along trail below the lean to. One cut to clear trail above the register, broken off at 2' up, 24" diam, 63 rings. Depending on when the tree died & fell, plantation must date back to early 1940s, possibly 1930s. Rapid growth in early years, up to 5 to 8 mm in radius/y.

More leaf color & fall below lean to in a defoliated (June) area than in the 3000' col.

210-39

Glades must constantly, but slowly, change & shift over time, but not on a regular schedule as with ADKs fir waves.

## S to V Notes on Fem Glades.

First fem glade at S straddling the trail at the N end of the summit ridge.

Within it: Several FIR {  
RM sad mfr } widely-scattered  
PB, BC }

Fem glades on Balsam Mtn. are better developed than in Eagle

Around edge: VA, SORB, FIR, PB, \$Campyl. \$Campyl - it mod.-shade

Tolerant, while Intolerant DP forms center of glade in the

Invasive from the edge: and from tree islands in the middle: open.

FIR - Lower branches grow horizontally outward on top of the ground INTO the glade. If old enough, branches are engulfed by humus, but no rooting (layering) was observed.

Branch ends may turn up. If branches are shaded out by fems, parent tree can send food down where needed. Branched up to 10 to 15' long. Fir branches grow out into glade at about 4" / year.

VA thicket

PB. Lower branches about 5' above ground, spread out over the fems, at about 4" to 10" / year.

RM spreads at 4" to 18" / y, BC 8", SORB 2", out over the glade

Within it: Few fir or other tree seedlings occur in the glade.

**RA:** Blackberry: Can advance out from the edge, overtop the fems, and arch over them to heights of 5' or 6'.

The large linear glade on SW flank of Schekelmoose must follow a linear balsam, swath abun.

Shaded areas: Have \$ intermediate boreal herbs, incl. Fir seedlings in semi-shaded areas around glade edges, not in deep shade.  
Glade at S shoulder, ca. 3550' E of trail: BC dom. scat. in DP. Nil fir LNE. In center of glade, dead FIR & PB. Beech sprouts invading from edge.

Fir repro. on Balsam Mtn: Not dom. but stable & reproducing, the largest pupils at ① N end of crest ② on highest point at S end.

To 35' tall E of trail at N end. One 5" fir cut has 32 rings.

Campyl. colonies are smaller than DP colonies on Balsam Mtn. (not on DBR!)

Glades occur where trees die & the forest breaks up.  
Not required but  
faster

because of short-longevity & frequent  
blowdowns

(EB) continued. Seas of Laportea in SE quadrant of the COL and in the SW quadrant, may inhibit tree repro. somewhat; but not as much as by fems. The shade cast by LAP is not as intense.

21a/40  
Nil fall color in this col while there is some, plus leaf fall, at the trailhead.

(X) Senecio Springs - the 1st time visited in the autumn or late summer since 1990.

In flower:

S rug

A pun

Rudbeckia laciniata - I.D.

CONFIRMED

S lat

Solidago

→ S lat basal lvs are Not cordate  
Not long-petiolated, while SM  
basal lvs are both.

SM lvs in small basal rosettes  
only at higher elevs, not in flower  
or fruit or with caulin lvs. True  
also on Dry Brook Ridge 9/26/06.

In fruit or vegetative only:

TIAR

IMP CAPENSTS, browsed

LAP browsed

EUP

THALIC

CUBONE in fruit

Cxcrin

Glycine nerv

Senecio aureus - basal lvs only

In stream: Veronica americana had to

be keyed because of lack  
of fruits

At W edge  
between sprst

trail: A macro

A cord

bush in flower

Dgold

Onoclea

\$ camphyl

AFF

SCRB seedling