

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

9/18/06  
MK alone

21035  
R

Site	p	Δp	Δe $R_1=0.910$	e calc	e map	time
(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 grave	28.94	0.42	382	2362		10:20
(D) 2 birch	28.88	0.48	437	2417		
(E) more birch, terrace	28.78	0.58	528	2508		
(F) birch 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°?	28.22	1.14	1037	3017		11:10
(J) KB dominant 1°?	28.15	1.21	1101	3081		
(K) 1st ledge definitely top 1°	28.08	1.28	1165	3145	e-p #516	
(L) Sub grave	27.96	1.40	1274	3254	1st camp	
(M) Sub terrace	27.90	1.46	1329	3309		11:35
(N) 2nd ledge top	27.86	1.50	1365	3345		
(O) 1st fir	27.82	1.54	1401	3381		
(P) lunch	27.74	1.62	1474	3454		11:55-12:0
(Q) on trail at 3500' sign	27.72	1.64	1492	3472		12:17
(R) 10' ledge fir thicker	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
(U) Summit	27.58	1.78	*1620	R <sub>2</sub> =	3600	1:47
		1.71		0.947		
(V) BC-DR glade	27.60	1.69	1600	3580		
(W) Thicket fir ledge top	27.69	1.60	1515	3495		
(X) Senecio Springs	27.74 → 27.68	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		
(IT) brook audible	28.25	1.04	985	2985		
(DD) ledge	28.02	1.27	1203	3183		
(EE) Haynes Col	28.18	1.11	1051	3031	3000	3:26 to 3:45
(FF) seep	28.32	0.97	919	2899		
(GG) Top 1st Hemgrave	28.62	0.67	634	2614		} can't be only 9 ft!
(HH) Top 2nd Hemgrave	28.63	0.66	625	2605		
1st larch on descent						4:10
(A) Rider Hollow Trailhead	29.29	0.00	-	-	1980	4:40

$$\frac{3600 - 1980}{29.36 - 27.58} = \frac{1620'}{1.78''} = 0.910$$

} can't be 46 feet  
 more like 42 feet

$$\frac{1620'}{29.29 - 27.58} =$$

$$\frac{1620'}{1.71''} = 0.947 = R_2$$

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 bank roads in grove, but 1° hardly likely so close to farms.

(C) Hem grove ends at top of steep slope. Within grove, scattered YB, B + RM fill in old canopy gaps.

Above (C) Terrace above has NEM understory only, no mature, in SUB-B-RM. DP, OX, LL, \$INT

(D) Two bigtooth 15". No more NEM.  
(E) More bigtooth to 24" on 2nd terrace

(F) 1st ASN. One danned Bigtooth with 'cake' ± 30% stones. More tree repro. B + MD preventing DP cover. Keeping to north edge of spur while bush whacking.

(G) Slid boulder with channel above. Moved down 17 paces. Boulder 10x6x3 feet ±.

(H) Several ASN. More bouldery. Much B slash + DP. BC + SUB to 70' Oak seedling

(I) Much more bouldery, some YB.

Possibly 1°, but NO trees > 18". SUB still in. Brooks audible from below. 60' Canopy. 1st CB, OX abun, \$int > DP.

(J) YB dom, 1st SM. SUB OUT temporarily. 40' Canopy. TV Probably 1°.

(K) Forest twisted, Top 1st ledge with a single 22" oak. Forest open. YB dom with B understory. Definitely 1°.

(L) Less steep. 18" oak. SUB grove begins to 50'. 1st \$campyl small. BC. Dierilla.

(M) SUB terrace. Allium, S. lat, LAP, Viola, AA. 50' TIAR.

(N) 2nd ledgetop. SM, CB, more \$campyl, YB dom.

(O) 1st firs, 1 dead, live 7" x 30' but old with rough bark. 2nd dead + down fir. 2nd dead + down fir. Broken 7" fir, 55 y.

1st SOB. 30" YBs common. 1/2 dozen FIR saplings, browsed.

(P) Lunch stop. NOON siren audible from Arkville (or Fleischmanns)? Much scat. fir above, birth 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 YB and other hardwoods dominant. FIR is holding its own. Big gap where 3 big YBs died.

(R) FIR thicket atop ledge with only 12" of soil.

(S) to (V) SEE FERN GLODES ON PAGE 210-39

(W) Dense fir atop ledge to mid-ledge above Senecio Springs. \$campyl colonies much smaller than DP colonies. Dead broken fir 7", 30 to 35 y

(X) SENECTO SPRINGS

← 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)



# More general info. on Balsam Mtn.

210-38

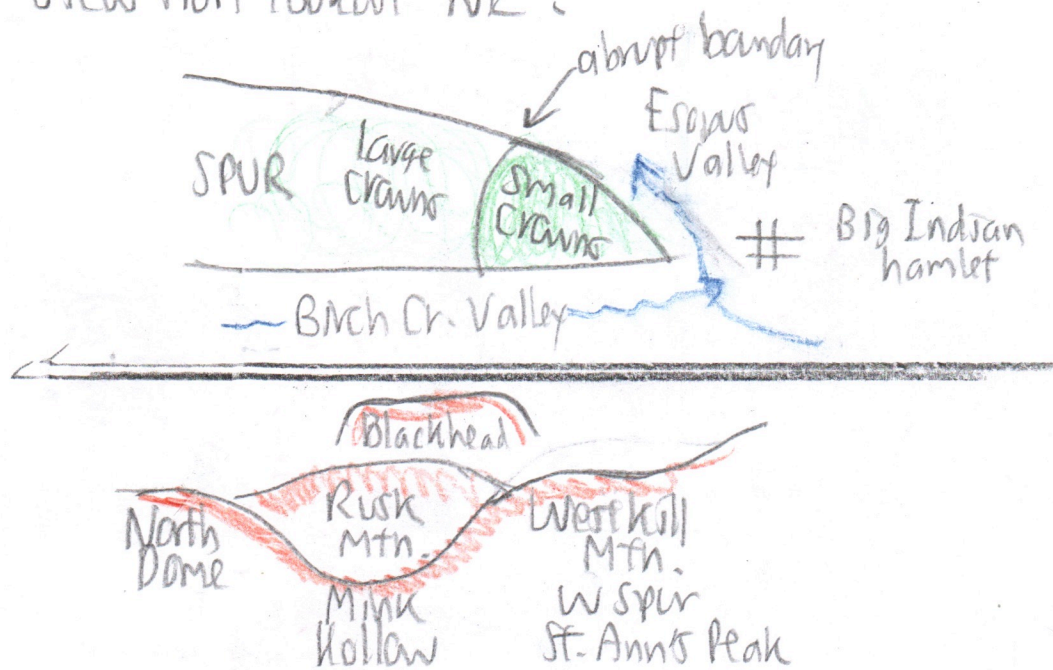
The summit ridge has had to been open in some places at any given year to maintain a SORBUS population. This is true for all peaks with SORBUS, for 10000 to 12000 y.

Ravens heard on Balsam Summit, prob. from Simon's Rock nesting site on Belleayre Mtn.

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

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

View from lookout NE-



Deep at (FF) VC in flower, plus A cord, S lat, S macro basal lvs only, Cornus alt. Gentiana on trail (planted?) in fl, at  $\odot$ .

Larch: Move along trail below the lean to. One cot 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!



(EE) 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 ferns. The shade cast by LAP is not as intense.

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

210-40

(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-petioled, while SM  
basal lvs are both.

In fruit or vegetative only:

TIAR

IMP CAPENSIS, browsed

LAP browsed

EUP

THALIC

CHERLONE in fruit

Cx crim

Glycena 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  
both in flower

Dgald

Onoclea

\$ campyl

AFF

Scrub seedling