

BALSAM MTN. from Rider Hollow

10/8/'90 210-4

Site	P	Δp	Δe	e	Map e	time	rates
(A) Rider Hollow Trail Head	29.98	0.00	0	1980	1980'	8:38 AM	
(B) Turn to Mine Hollow	29.91	0.07	68	2048	2040'	8:52	$\frac{29.98'' - 29.10''}{2840' - 1980'} = \frac{0.88''}{860'}$ $= \boxed{0.977}$
(C) leave flood plain	29.82	0.16	156	2136			
(D) brook	29.72	0.26	254	2234			
(E)	29.64	0.34	332	2312			
(F) } Hemlock Grove	29.54	0.44	430	2410			
(G)	29.48	0.50	489	2469		9:30	
(H)	29.42	0.56	547	2527			
(I)	29.32	0.66	645	2625			
(J)	29.24	0.74	723	2703			
(K) BelleAyre Jc.	29.03	0.95	928	2908	2880'		
(L) Belle Ayre Col	29.10	0.88	860	2840	2840'	10:05	
(LL) 29.04 highest ASH		0.00	0	2840			
(M)	28.93	0.17	152	2992			$\frac{29.10'' - 28.25''}{3600' - 2840'}$ $\frac{0.85''}{760'} = \boxed{0.894}$
(N)	28.75	0.35	313	3153			
(O)	28.62	0.48	429	3269			
(P) 3500' sign	28.60	0.50	447	3287			
(Q) lunch	28.43	0.67	599	3439			
(R)	28.28	0.82	733	3573		10:53 → 11:15	
(S) Balsam Summit	28.25	0.85 0.62	760 580	3600 3600	3600'	11:26	
(T) X	28.38	0.49	458	3478			$\frac{28.87'' - 28.25''}{3600' - 3020'}$ $\frac{0.62}{580} = \boxed{0.9355}$
(U) 3500' sign	28.39	0.48	449	3469		NOON at (V)	
(V)	28.40	0.47	440	3460			
(W)	28.50	0.37	346	3366			
(X)	28.59	0.28	262	3282			
(Y)	28.80	0.07	65	3085			
(Z) Haynes Col	28.87	0.00 1.08	0 1040	3020 3020	3020'	12:22	
(AA) 2nd spring	29.00	0.95	915	2895			$\frac{29.95'' - 28.87''}{3020' - 1980'}$ $\frac{1.08''}{1040'} = \boxed{0.963}$
(BB)	29.10	0.85	819	2799			
(CC)	29.28	0.67	645	2625			
(DD) Upper ford	29.54	0.41	395	2375	2380'	12:57 (DD)	
(EE)	29.58	0.37	356	2336			
(FF) lower ford	29.62	0.23	318	2298	2300'		
(GG) Upper larch	29.64	0.31	299	2279			
(continued over)							

Vegetation

210-6

TREES	SUGS	SHRUBS	HERBS
ELM (A)(B)(I) 2096' max	(J) 1st 36" (K); dead 42" above (L), (M) dom; scat below (O); end at (O). Reenter at (T), (U), (V) photo dom at (U) & below; tu 36" at (BB), (CC) 3269' 3478'	HAMAM (B), (K) at junc, 2880'	LAP glades (C)(D)(M)(U) (Y); below (Z), (AA), (O)
WHITE SPRUCE plantation (A)		VA photo betw (O) & (T), (K)	SENECIO ? (U) leaf call RANUNC RECURV (U)(BB)
EUROPEAN LARCH plant. (A), (GG) to (HH) max 2279'		MM (N)(CC)	SRUG (U) PILEA (C)
APPLE (A) to (B), (II) max 2096'	B (K), down 24" at (L), (N) to (O); tr 24" at (BB)	RG (R) CORYLUS (BB)	EUP (C)(M)(U)
ASH (B)(C)(D)(E) with lepro (H) → to 30" (J) about 25' below (J); 2 betw (K) & (L) & 2 more betw (M) & (N); (CC) (EE) common max 2875'	BC (K), (N) to (O), dom at (W)	CORNUS ALT (II) AMEL (GG)	ACORD infl (C)(E)(M) (U), (AA), (B)
BASS (B)(C)(D)(H), about 25' below (J) max 2850'		GAL (BB)	MITCH (G) SM (Z)(R)
HEM (B)(C)(F)(G) max 2469' grove grove (C) to 32" max 2375' Scat. big (B); Young on hill across brook from (C)	YB 36" at (L) dom at (N) (V) to (O)	CX PLANT (AA) APREN infl (AA)	AA (G) IMP (AA) DIMO (M)(AA) HYDRO (M)(U), (AA)
DAK (F); seedling (L) 2410' 2840'	MO (N)	FERNS ET AL PA (H)(BB) \$ (G), (K), (BB)	ADANTUM (M) ACTAEA ALBA (H) ASTER PUN (U) MILTUM (I)
	PM (N) to (O)	\$ (Common) (Z) to (Y)	SCAES (T) THALIC (U) A DIV (I), (BB) end fl.
DST (H), (M), (BB) 12" 2799' 2992'		DP (K), north of (R) abn, south of S abn photo POLYPODY (N)	OX 1st (I), (K) SLAE (M)(Y)
BIGTOOTH (B)(H)(I), (J) max 2625'	FIR → 1st dead (O) 5" x 15' 3269' → 1st live (P) = 3287' several at base of 2nd (10') ledge, to 3" x 15'. Dense above (Q) Healthy with repro. (S) to (T) photo 2 at (V) on West lowest at (W). 3366' → FIRs tend to form thicker & layer (?) on ledges.	LANNIT (N) DGOLDIANA (U) photo 3469'	TIAR (M)(U)(AA) VV (U) CHRYSOSPLENIUM (U)(D)
BALSAM POPLAR betw (A) & (B)			CAULO (U) VIOLA (U)
JORB (N) 1st 3153'		LACTUCA below (B)	HYSTRIX (U)

FOREST HISTORY

On ascent, the Mine Hollow hem-grave may be 20'. The old road stops at the base of it, (E). Above the grove, BT & FTU occur at (V) while ASH climb into the col at (K) & (L). End 20' is probably at the base of the col crest ledge below (K) at ca. 2850', not at base of Hem Grove, (G).

On descent, 1st evidence of a road is at (EE). Larch plantation European from (GG) to (HH) & again at (A).

Hemlock grove in Mine Hollow has trees most 12" to 24", a few to 36". The two measured were and a few with more swollen boles not measured.

DBH = 29" = circum. 7'7" = 91"
 DBH = 34.4" = and 9'0" = 108"

HYDROLOGY

2107

Spring betw (Z) & (AA) is dry, but spring at (A) runs.

An abrupt change in veg. occurs betw. (T) & (U) (photo). Fir temporarily stop here on descent (although some below at (V) & (W)). The gentler slope is relatively free of boulders & stones, and has a small pool of water, ± 10' across, at (U). Water flows slowly. Above, in the SUG-LAP glade, soil is moist during a dry fall, prob. very wet in spring, issuing forth from ledge base. This phenomenon is repeated on the N slope betw. (M) & (N).

PHENOLOGY

VA purple } photo above
 DP yellow } (T)
 BC some green lvs, but most yellow at (W)
 most lvs down at (N)
 Geese honking at (T)

LAP slope at (M) has few rocks. The steep talus below ledge (N) has MM-YB-sorts dom with drier soil. SUG cut here, but reappear in limited nos. above at (O).

→ Check the wet area around (U) in spring & summer for unusual plants

SOIL DEPTH

'Caker at (K) to 12' and 19" without ledge exposed.
 Till at (Z) no more than 2 or 3' deep over ledge on W.
 (BB) dry ravine 6' deep: no ledge
 (CC) 30' deep ravine no ledge

CANOPY HEIGHT

50 to 60' at (L), col
 50' ± at (Z), col
 25' at top (N)

PHOTOS

1. S of summit looking SE: betw (S) & (T) yellow DP, purple VA & green fir.
2. SUG dom on wet slope vs. FIR on drier ledge above at (U) & (T)
3. D GULDIANA at (O)
4. Hem grove in Mine Hollow '15 sec.