

7/19/11

Balsam Mtn. from the south

211-10

with Ander Spratt Society intern Layet Johnson

 $R_1 = 0.930$

Site	on ascent	ρ	$\Delta\rho$	Δe	e_{calc}	e_{map}	time	R_1
(A)	Mckenley Hollow trail head	29-80	0.00	—	—	1600'	8:55 AM	
(B)	Norway spruce	29-57	0.23	214	1814		9:15	
(C)	Lean to	29-54	0.26	242	1842		9:20	
(D)	Leave trail	29-47	0.33	307	1907	1890'		
(E)	bark road junc.	29-44	0.36	335	1935			
(F)	above confluence	29-32	0.48	446	2046			
(G)	road reascends	29-24	0.56	521	2121			
(H)	road continues	29-20	0.60	558	2158			
(I)	road lost in LAP glade	29-06	0.74	688	2288		10:12	
(J)	mid LAP-glade	28-82	0.98	911	2511		10:45	
(K)	almost top LAP glade	28-67	1.13	1051	2651		11:00	
(L)	BASS, turn north	28-58	1.22	1135	2735			
(M)	1 ^o e-p-#	28-58??	1.22	1135	2735		11:15	
(N)	Oaks	28-38	1.42	1320	2920		11:30	
(O)	1st ledge	28-22	1.58	1469	3069		11:42	
(P)	less steep	28-10	1.70	1581	3181	3200'		
(Q)	boulders	28-05	1.75	1628	3228		NOON	
(R)	2nd ledge	27-98	1.82	1693	3293		12:05	
(S)	1st fir	27-84	1.96	1823	3423			
(T)	terrace	27-81	1.99	1851	3451	3460'	12:20	
(U)	ledgetop, 3rd	27-77	2.03	1888	3488			
(V)	Fir grove	27-67	2.13	1981	3581			
(W)	Summit on ascent	27-65	2.15	2000	3600	3600'	12:50	
(X)	Lockout	27-69	2.11	1962	3562	3560'	1:00 to 1:50	
(W)	Summit on descent	27-64	2.16	2009	3609	3600'	2:08 to 2:13	

Descent, over

$$\frac{3600' - 1600'}{2980' - 2765'} = R_1 = \frac{2000'}{215'} = 0.930$$

Descent

R₂ = 0.948

	Site	p	Δp	Δe	e calc	e map	time	R ₂
(W)	Summit	27.64	2.11	2000	3600'	3600'	2:03 to 2:13	$\frac{3600' - 1600'}{29.95'' - 27.64''} = \frac{2000'}{2.31''} = 0.948$
(Y)	Senecio Springs	27.80	1.95	1849	3449'		2:22	
(Z)	below ledge; big trees	27.98	1.77	1678	3278'		2:35	
(AA)	Col to Kayner	28.26	1.49	1413	3013'	3030'	2:48	
(BB)	Hemlocks begin	28.75	1.00	948	2548'		3:13	
(CC)	Cross rill; Conf.	28.83	0.92	872	2472'			
(DD)	On road e-p#	28.98	0.77	730	2330'		3:25	
(D)	ford	29.46	0.29	275	1875'	1890'	3:43	
(A)	Trailhead	29.75	0.00	—	—	1600'	4:07	

veg. continued from (p-211-13)

(Y) 3449' Senecio Springs. In flower: Rudbeckia, Chelone, IMP. DGOLD

(Z) 3278' Big sub t YB, several > 24" below a ledge.

(BB) 2548' Highest hemlocks in a ravine 20' deep in till. No ledge exposed. Trail steep.

(CC) 2472' Cross rill from SW, now dry. On the NE, 2 ravines join. BB just above. HEMs to 30" scat. but not dom. Big YB & SUB

(DD) 2330' Road begins. 1^o to 2^o at e-p# 24. Below are no more old, large trees & ASH & BASS

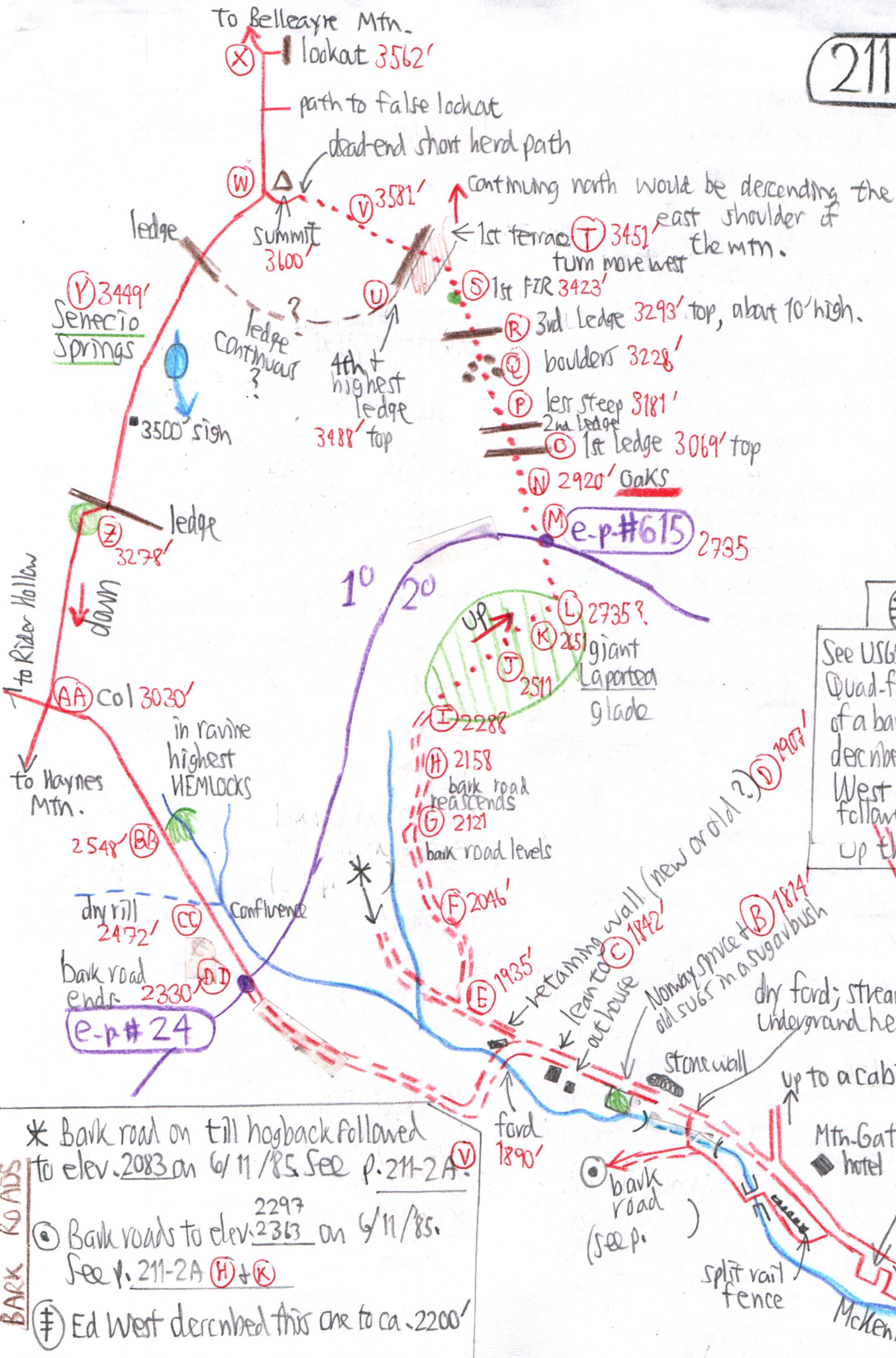
Previously calculated elevations:

Site this hike	Site previous hikes	elev.	date	pp.
(A) 1600'		1620'	6/11/85	p-211-2A
(B) 1814' Norway spr.				
(C) 1842' new lean to		1808	7/5/83	p-211-7
(D) 1907' leave trail		1910	6/11/85	p-211-2A
(E) 1935' road Jc.				

(Y) 3449' Senecio Spgs.
(Z) 3278' big trees
(BB) 2548' HEMs upper

Transect #16
(CC) 2472' dry rill { 2415' / 70 7/5/83 p-211-7
2545?? 1970 p-210-1
2490?? }
(DD) 2330' e-p# 24 }
bank road ends }

0.948
= R₂



See Sorbus file for a single estimate on leaf size on Balsam Summit, just S of (X)

See USGS Shandaken Quad for plotting of a bark road described by Ed West (not followed by MK) up this ridge

* Bark road on till hogback followed to elev. 2083 on 6/11/85. See p. 211-2A (V)
 2297
 (C) Bark roads to elev. 2363 on 6/11/85. See p. 211-2A (H) + (K)
 (F) Ed West described this one to ca. 2200'

Vegetation

211-13

(A) Aralia spinosa maybe 15' to 20' high across 1600' the road directly from the parking area. Planted or escaped? Not observed in previous years. Last hike from Mckenley Hollow was up Haynes & Eagle to south spring on Eagle (see p. of).

(B) One big old SUG among much younger 1814' trees suggests Sugarbush. Nonway spruce (only several) & a stone wall.

(D) 1907' Bank road obscured by nettles; clearer a short distance up.

(F) 2046' Bank road about 75 ft above confluence. Other bank road on top of till hogback to west, exposed.

Veg at (F) BB, Bigtooth, ASH, BAR, & only scattered HEM.

(G) 2121' Road levels, but brook climbs up a lot to it so that by:

(H) 2158' the brook is barely 40 ft below. Then bank road begins to climb again. VACER & OAK seedling. Last HEM here??

(I) 2288' Bank road lost in an immense LAP glade that continues on up to (L) 2735'

(J) 2511' LAP grove semi-open with abun. ASH (some blowdown) and some SUG dead from defoliation. Canopy gaps allow a rich, diverse groundcover incl.:

- | | |
|----------------|--|
| <u>HYSTRIX</u> | <u>qst</u> |
| <u>PA</u> | <u>ADIANTUM</u> |
| <u>CKPLONT</u> | <u>RA</u> & <u>LAP</u> make bush-whacking difficult on this steep slope. |
| <u>CAULO</u> | |
| <u>OSMO</u> | |
| <u>GAL</u> | |
| <u>TIAR</u> | |

(K) 2651' ASH & SUG still dominate. Soil drying out more stony. No HEM anywhere.

(L) 2735' BASS & ASH. SUGs older & to ± 20'. Turn more N from NE when LAP glade thins out.

(M) 2735' e-p #616 No more ASH.

SUGs 24' to 28' & older. LAP few. No roads seen since (I).

(N) 2920' 25' BC & several others, the 1st seen. MO. Several OAKs to 20'. This 10' stand must have been naturally disturbed.

(O) 3069'. Ridge hardwood forest (RM-YB-B-MO) with some SUG & OAK.

(P) 3181' Less steep. B-YB-BC-RM dom. Few SUG.

(Q) 3228' 1st VA & SCAMPKL. among boulders.

(R) 3293' Still a few SUG.

(S) 3423' 1st FIR sapling. Canopy only ca-40'.

(T) 3451' The 1st flat terrace. DP-YB CB-OAK scpls. Several young SUG.

(U) 3488' Top 4th ledge, the highest requiring a little climbing. Maybe 20' high. More FIR, MM, young SORB.

Turn N to go up then W on a 2nd flat with 2nd SORB (also small)

(V) 3581' FIR grove. Mature SORB enter. Follow short head path to.

(W) 3600' Summit and trail.

(X) 3562' at lookout. SM in flower. RA overgrowing the trail.

(continued on p. 211-11).