

Otter Falls Brook to Hanging Bird's Nest Hollow

240-33

with Chris Vankleeck 11/1/78

old Barometer

Site	p	Δp	Δe	e Calc	e map	time	R
(Z) 2810	30.45	0.20	232	1442	1500	7:45 AM	R1
(Y) Big Indian	30.65	0.00	0	—	1210		2670 - 1210 = 1460'
(A) Winnisook garages	29.39	1.26	1460	—	2670	8:25 AM	30.65 - 29.39 = 1.26'
(B) end highest skid road	29.24	0.15	174	2844		9:30	
(C) cross SNY blaze	29.28	0.11	127	2797	* 2753	9:45	ep 70A
(D) SW end MEM grave lot	29.25	0.14	162	2832		10:22	
(E) Otter Falls Brook	29.30	0.09	104	2774	lunch break	10:51	
(F) on spur	29.30	0.09	104	2774		11:35	
(G) Hemlock Grove, 2nd	29.32	0.07	81	2751		NOON	
(H) e.p. + terrace	29.35	0.04	46	2716		12:45	1.26' = 1460' = 1.159'
(I) recross Otter Falls Brook	29.45	-0.14	-151	2519		1:20	
(J) near SNY blaze	29.41	-0.10	-108	2562		1:50	
(K) on log road	29.40	-0.09	-97	2573		2:12 snack break	
(A) Winnisook garages	29.31	0.00	0	—	2670	3:00	R2
(P) Big Indian	30.66	0.00	0	—	1210		2670 - 1210 = 1460'
(Z) 2810	30.42	0.24	259	1469	1500	3:45	30.66 - 29.39 = 1.27'
(L) Summit on log road jc.	29.32	-0.01	11	2659	* 2583	2:35	1.27' = 1460' = 1.081'

* from previous calculations

(A)

new barometer Fischer

Site	p	Ap	Ae	e _{calc}	e _{map}	R
(Z)	30.52	0.28	248	1458	1500	$R_3 = \frac{2670 \cdot 1210'}{30.80'' - 29.15''}$ $= \frac{1460'}{1.65''}$ $= 0.885$ <hr/> $R_4 = \frac{2670 \cdot 1210'}{30.69'' - 29.08''}$ $= \frac{1460'}{1.61''} = 0.907$
(Y)	30.80	0.00	—	—	1210	
(A)	29.15	0.00	—	—	2670	
(B)	28.96	0.19	168	2838		
(C)	28.97	0.18	159	2829		
(D)	28.96	0.19	168	2838		
(E)	29.04	0.11	97	2767		
(F)	29.02	0.13	115	2785		
(G)	29.04	0.11	97	2767		
(H)	29.11	0.04	35	2705		
(I)	29.11	-0.03	27	2643		
(J)	29.24	-0.16	145	2525		
(K)	29.17	-0.09	-82	2588		
(L)	29.13	-0.05	-45	2625		
(M)	29.08	0.00	—	—	2670	
(N)	30.69	0.00	0	—	1210	
(O)	30.46	0.26	236	1446	1500	

For hikes with ends, i.e. turn-arounds, at UNKNOWN elevations:
 Why not calculate elevations on a sliding scale over time with R rates changing slowly by the hour? Here, pressure drop was 0.08" with old barometer and 0.07" with new barometer at (A) over 6 1/2 hours, or approx. 0.01" per hour. Adjust each elevation by about 10 ft per hour, decreasing elevation to compensate.

Instead of using two R rates, morning & afternoon, use only the morning rate with the sliding scale adjustments.

Correlation chart to sites
ON VARIOUS SITES

This hike	11/1/14 p. 240-16	7/14/17 p-240-25	9/9/17 p-240-27
(B) 2844', 2838'			
(C) 2793', 2829'			
(J) 2562', 2588'			
(K) 2659', 2625			
(L) 2659			

Vegetation, Continued

- (J) Follow E+SE antennas^{2°} with ledges & boulders 1° above. Point (J) was recorded unknowingly barely 200 ft, and same elev. as, a Whimsook Posted sign along the blaze.
- (K) Continue along base of ledge & down to a log road for a snack stop.
- (L) High point on log road junction.

Vegetation

240-36

(B) ASH 13" mowed by a skidder & not completely healed.

(C) Few more ASH. $\pm 30"$ YB (same seen on 7/4/17 at (E) ?)

YB-Camryloptera \$ above on boulder talus
Below SUB-ASH-B.
Cross blaze here.

(D) SW end of hemlock grove seen on 11/1/14 (see p. 240-19, (G)).
SUB & YB to 30"

(E) Lunch past 3 small rills but before crossing Otter Falls Brook in a 10' ravine (11:15).

Lunch 10:51 to 11:07
HEMS scattered below to $\pm 24"$ and 2 above.

11:25 1st ledge just above, very bouldery. Follow along base 10' high

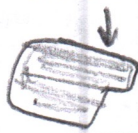
(F) On spur between Otter Falls & Manning Birds Nest Brooks.

Two ASHES, one 24", one 30" \pm , well separated.

(G) Hemlock grove (2nd) mixed with YB & SUB. About 20 hemlocks.

One HEM broken 20' up. Counted 210 rings and 25" diam. at base.

Pass boulder, tilted, with small overhang.



View down to narrow terrace

below shows younger forest.

(H) Terrace pinches out to SW. Widely-scattered HEMS. Ledge between this & lower terrace (M) at turnaround, maybe 50 to 100' below (H) but no pressure recorded

e.p. # 710

Bearings:	mag.	true
Balsam Mt.	345°	332°
Eagle Mt.	320°	307°
Spruce Mt.	295°	282°
Hemlock Mt.	270°	257°

Chris got some bearing on Balsam Mt. and elev. 2600'.

Low diversity: mainly \$INT + LL & some OX

Follow lower terrace back, NE, then E in 2° stand often dominated by ASH 12" to 18".
With SUB co-dom. Few boulders & Beech sprouts. Easy walking.

ASH down, broken 1 ft up, 13" diam, 100 y. Pass 2 widely-scatt. BCs, the only BCs seen all hike. $\pm 20"$.

(I) Otter Falls Brook here is in a ravine 20' deep. Rills W of it. 2 rills E of it (lunch (E) above) join here and flow into main brook below. HEMS mostly above.

ASH blowdown area 1:10 (MM) with NW and E winds. HEMS below younger with intact crowns.

(II) ASH about 12" to 15". YB, SUB, 1st RM, and scatt. MO.

1° forest is dense with Beech sprouts & boulders—slow & difficult walking. 2° is easy with few Beech & boulders. NO Seeps!