

SOUTHEAST SPUR OF WEST KILL MTN. 9/21/'90 352-1

[Ed West's brook flowing atop a ridge] ~~see 353-17~~ with Bill Riemvis

Location	P	Δp	Δe	e	Map elev.	Time
A Diamond Notch Rd.	30-50	0.00	0	1480'	1480'	10:30 AM
B Small falls	30-40	0.10	97	1577'		10:53
C 1st X	30-28	0.22	212	1692'		11:10
D Falls	30-19	0.31	300	1780'		11:50
E 2nd X	30-10	0.40	386	1866'		
F Knob	29-96	0.54	521	2001'		12:10
G	29-86	0.64	618	2098'		
H	29-84	0.66	684	2164'		
I Lunch	29-75	0.75	724	2204'		12:41 → 1:10
J N Trib.	29-60	0.90	869	2349'	e-p 165	
K BASS	29-30	1.20	1158	2638'		
L highest pt.	29-16	1.34	1293	2773'		2:00
M	29-20	1.22	1177	2657'		
N	29-34	1.08	1042	2522'		
O basin steep descent	29-35	1.07	1032	2513'		
P lower brook	30-12	0.30	290	1770'		3:05 e-p 166
Q	30-15	0.27	261	1741'		
R old pasture	30-34	0.08	77	1557'		
S	30-36	0.06	58	1538'		
T old fence	30-40	0.02	19	1499'		
A	30-42	0.00	0	1480'	1480'	4:15 PM
U Phoenicia	31-07			818'		4:45 PM
V Big Indian	30-64			1210'		5:30 PM
W Fleischmanns	30-36			1500'		8 PM (delayed reading)

Pressure Rates (using hamlets to double-check since summit of West Kill Mt. was not attained). No definite elev. could be determined, so hamlet elevs. are used to calculate elevation rates.

e-p 166

$$\left. \begin{aligned} \text{rate: } \frac{1480' - 818'}{31-07 - 30-42} &= \frac{662'}{0.65''} = 1.01846 \text{ inverted } 0.982 \\ \text{rate: } \frac{1210' - 818'}{31-07 - 30-64} &= \frac{392'}{0.43''} = 0.911 \text{ inverted } 1.097 \end{aligned} \right\}$$

mean of the two rates:

$$\frac{1.01846 + 0.911}{2} = \boxed{0.965 \text{ Use}}$$

rule: elevation changes less than pressure, e.g.
For a 1.00" pressure change is < 1000', not more.

$$\therefore \text{Ratio } \frac{\Delta \text{ elev}}{\Delta \text{ pressure}} < 1$$

Vegetation

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Trees	Shrubs	Dicots Herbs	Monocots	Ferns & Friends
<p>ASH (A), (B), (F), (G) 16" at (H) 3-trunked as marker for 1' high spruce. (HH) to 100' tall, (I) above (J), 24" below (K) (L) 20" one, highest at 2773'. (M) (Q) abun.</p>	<p>MM (A)</p>	<p>Geranium roset. in fl. (A), below (E), (C), (P)</p>		<p>CONOCEPALUM at falls (D)</p>
	<p>HAMAM (A), (B), (P) betw. (D) & (E)</p>			<p>PA at (HH) above (J)</p>
	<p>VACER above (H)</p>	<p>IMP PALL in fl. (A)</p>		<p>\$ at (J)</p>
	<p>VA betw. (I) & (J) 1st seen ± 2300'</p>	<p>ASTER DIV in fl. (A), (C) & (J)</p>	<p>AA 1st at (J)</p>	
<p>BASS (A), (C), (M) (K) this may be a near-record elev, 2638'.</p>			<p>V ROT at (J)</p>	
	<p>LONGICERA (M)</p>	<p>SOLID CAES in fl. (A), (C) & (J)</p>		
<p>ELM (A)</p>				
<p>OST (HH), (C), (A), (M)</p>				
<p>BUTTERNUT, 1 tree each. Quarry (C) 1692' Quarry (E) 1866'</p>		<p>EUP in fl. (B) below (K)</p>		
	<p>BIGTOOTH (C) & (H) just below (J)</p>			
<p>OAK (A), (B), (C), (HH) with 2 trunks, 24" each, just below (I) (J) (O) highest OAK 2513' Oaks are scattered, never dominant</p>	<p>SPRUCE (all small): 1st seen at (H) 3" x 15", not doms well 1' high 2 more above (H), one dead, the other 12" x 2 1/2" 5th above (HH) 14th at (I), 8th (N) 7th above (I) more at (S): 4 trees, 2' to 6' tall, and at (T), lowest 1499'. scattered</p>	<p>LAP (B), below (K) glade under SUB at (M)</p>	<p>Abun on lower 1/2 of steep slope betw. (O) & (P).</p>	
		<p>ACTAEA ALBA in fruit (C)</p>		
		<p>CURCULIUM (D) at falls</p>		
<p>BB (A), (C) 1692', (E) 1866' (Q), (S)</p>		<p>PILEA just below (E) near old road</p>		
		<p>CAULO below (K)</p>		
<p>HEM (B), (C) (HH) blazed 9" large trees in ravine at (I) no more by (K). (O) present.</p>		<p>HYDRO below (K)</p>		
		<p>AGLIMONIA in fruit (R)</p>		

(continued over)

Trees, continued

BC to 24" between (K) & (L)

RM (C), (G) none > 12"
above (I)

VB to 24" between (K) & (L) but with bark not peeling or plating!!
to 12", abun at (C). At (C)

PB (C)

B dom at (F)
(G) none > 12"

SUG dom at (F)
(G) none > 12"
to 30" between (K) & (L)
to 36" at (M)

* SPR, continued:

Spice saplings stop on descent about 100' below the crest (near (C)), and do not reappear until (S) & (T). A few

Spice within sight of the highway to 20' x 3".

CARPINUS (R)

NO FERS seen all day.

Forest History

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Charcoal; not in kilns, but on surface of ground:

1st noticed at (F), more at (G), above (H), at (HH), collected at (I), (J), last between (J) & (K). No more at (K).

elev. range
2001' to
± 2500'

When charcoal ends, ^{below} at (K), first large trees appear, BC to 24", PB to 24", SUG to 30", SUGS to 36" at (N), but widely scat Ash to (L) & (M). Prob 1°.

No roads above the two to the quarries at (C) & (E). On descent, road follows lower brook above (P).

NO stumps observed all day.

Many windthrow mounds & hummocky surface at (K).

The steep slope between (C) & (P) has no evidence of human disturbance.

Large trees end abruptly above (R); stone wall & small trees indicate old pasture in a broader section of the flood plain. 1557'.

Old wire fence at (T) 1499'

Phenology:

Few red or yellow lvs at (I)

Till depth:

> 3' in till above (I) by RM pancake.

Flagging at (HH): Bill Riemus says it might have been used as a route to the airplane wreck.