

5/28/03

Frost Valley Model Forest

with David Scherf 167-16
 & Ben Ambrosino

Point	P	Δp	Δe	e calc	e map	Rate	Site
(A)	29.57	0.00	0	—	1990		W Br Neverink
(B)	29.36	0.21	188	2178		R = 0.097 2510' - 1990' = 520' 29.57 - 28.99 = 0.58"	high pt. on road
(C)	29.44	0.13	117	2107			PB boulder field
(D)	29.50	0.07	63	2053			low point on road; SW corner
(E)	29.42	0.15	135	2125			brook
(F)	29.40	0.17	152	2142			Bigtooth & ASH
(G)	29.30	0.27	242	2232			ASH
(H)	29.22	0.35	314	2304			old road?
(I)	29.14	0.43	386	2376			Sub down, bigtooth
(J)	29.10	0.47	422	2412			PB talus
(K)	29.03	0.54	484	2474			top of ledge
(L)	29.03	0.54	484	2474		blaze levels	
(M)	28.99	0.58	520	—	2510	Highest SW corner 2510' on USGS Peckham Lake Quad	
(N)	29.06	0.52	520	—			
(O)	29.17	0.34	340	2336		2510' - 1990' = 520' 29.51 - 28.99 = 0.52 R = 1.000	1960 stumps
(P)	29.28	0.23	230	2220			bend 90° in brook
(AA)	29.39	0.11	90	2110			leave log road. ASH
(A)	29.51	0.00	0	1990	1990		W Br Neverink

P167-20 is in
 back of
 167-8

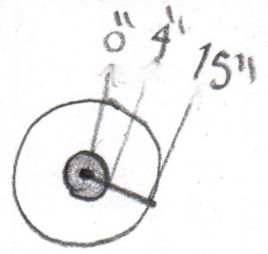
e-p# 76

expl 501

Bigtooth aspen age estimator

Tree ①: 30" stump diameter with 15" radius.
 Cut in 2001
 11/15 of radius = 70y, with heart rot.
 $\frac{11}{70} = \frac{15}{?}$, ? = 95y.

However, a cut log once 30ft up tree
 shows 95 years. The tree, to reach 30
 ft height, required at least 6 years &
 probably more like 10 years. ∴ 105y, or estab. 1896



What is diameter?
 Tree ②: 95 years
 of the stump,
 cut in 2001 &
 estab. 1906.

ASH prob are of
 similar age.

Vegetation

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Herbs

between **F** & **G** = Luzula +
Platanthera orbiculata
lvs only

between **G** & **H** Ilex montana

between **I** & **J** 2nd Platanthera orb.
lvs only

Photos

S sandstone of varying colors pushed to side to make the road

T EPT vs. OD ADJACENT (OD pocket)

U 26.7" Beech } Ben
V 32.8" Ash } Ambrosino for scale

W → **Z** On old tumpike to Denning, the Spodosol 1st noted in 1996.

Forest History

Barking— Most of the Model Forest could NOT have been barked because HEM is widely scattered or absent. The only grove is along the W Branch below **AA** & **B**. Burroughs reported barking already done in 1869 at Branch, and still active up High Falls Brook.

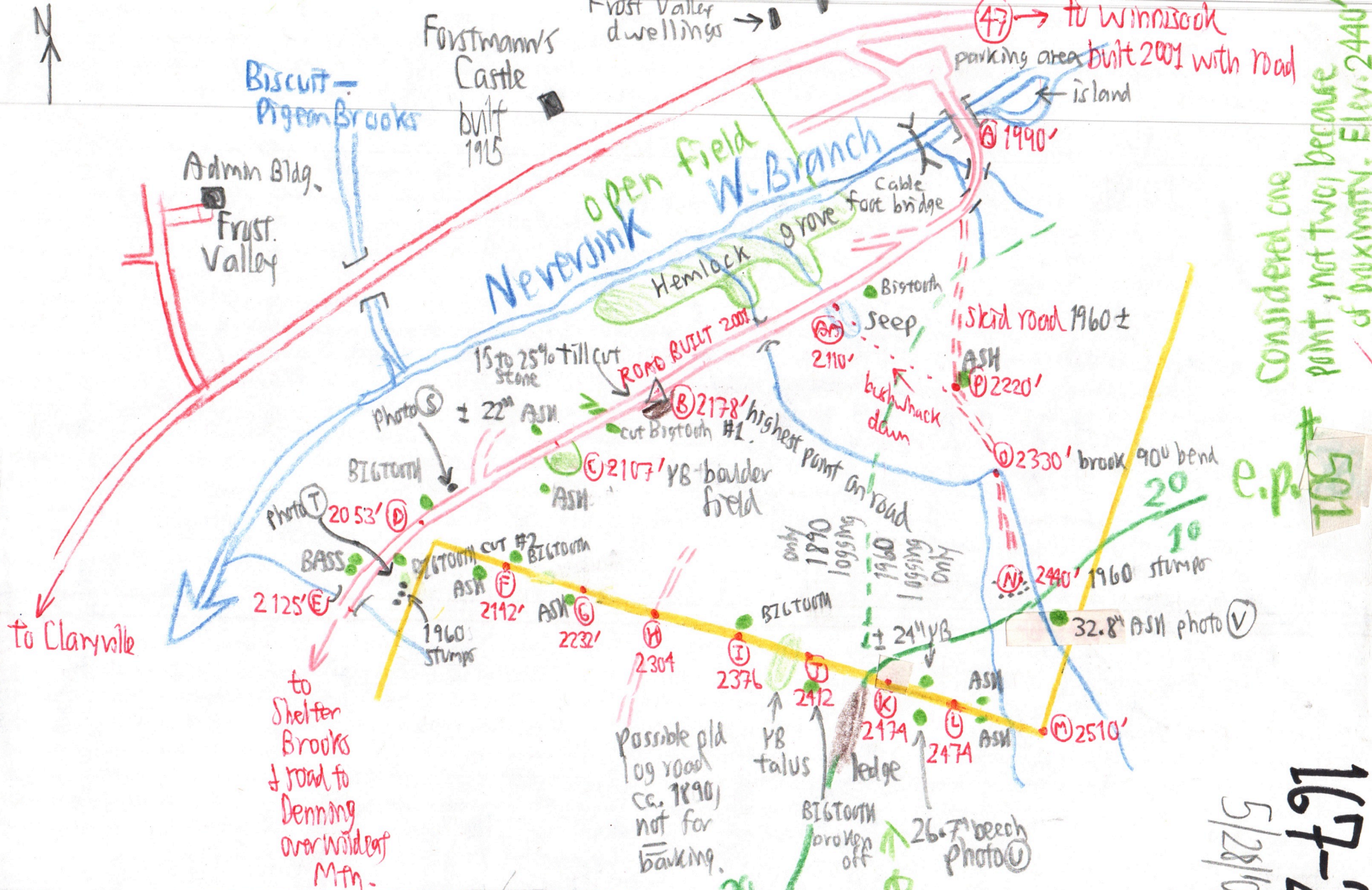
Logging— A selective logging occurred about 1890, setting off scattered Bigtooth, ages ±105 & 95 when cut in 2001. Ash prob came in about this time. Because the pines are not abundant, there was NO clearcut.

Bigtooth occur from **AA** to **E** along the road & up the blaze to **J**.

Ash are scattered around **U** to **G**. The 2 individual Ash near **L** & the giant below **M** are prob in 10.

Fruit Valley logged again in the between 1958 & 1962, especially around **E** and with a skid road from **A** to **N**. In no other places were stumps seen.

First growth— Probably begins above the ledge at **K** because here, large trees of four spp. begin — beech to 26-7", SUG & YB similar, Ash to 32-8". A small 1^o tract still exists on Fruit Valley lands N of the SNY Corner at **M**. Bigtooth are cut.



considered one point, not two, because of proximity. Elev. 2440'

e.p. # 105

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167-26

Note = Norway Spruce plantations across hwy (47) from Lower Frost Valley bridge across the W Branch, below High Falls Brook confluence. Maybe 60 to 80 years.