

# 6/12/03. CHERRY RIDGE

with Dave Scherf of Frost Valley  
+ Nat Gillespie, CEO. 230-41

Location	P	$\Delta p$	$\Delta e$	e calc	e map	R	Time
(A) Frost Valley Admin-Bldg.	29.76	0.00	0	—	1990	$\frac{470'}{0.52} = 904'$ $\frac{2460' - 1990'}{29.76 - 29.24} = 1050'$	9:30 AM
(B) gage house, Biscuit Brook	29.63	0.13	118	2108			
(C) Cable bridge over flume, Trail Junc. to	29.54	0.22	199	2189			
(D) SMT blaze $\pm 30'$ above brook	29.54	0.22	199	2189	2120 in Biscuit Brook		
(E) Blue Hole Flume	29.57	0.19	172	2162	2140		
(F) 1st big Cherry	29.41	0.35	316	2306			
(G) 3 blazes on KB	29.32	0.44	398	2388			
(H) Frost Valley Trail on S (Sequoia Loop)	29.30	0.46	416	2406			
(I) Blaze Summit; turn N32°E thru.	29.24	0.52	470	2460	2460		
(J) Photo of dead standing BC with rotting trunk for age count	29.20	0.56	506	2496			
(K) Lunch	29.10	0.66	597	2587			11:55 AM to $\pm$ 12:45 PM
(L) grove	29.05	0.71	642	2632			
(M) DP grove	29.03	0.73	660	2650			
(N) End hike, return down	28.77	0.99	895	2885			1:05 PM
(O) Cross blaze at Sequoia Loop Trail	29.30	0.46	416	2406			
(P) Top of clearing	29.58	0.18	163	2153	2200		
(Q) Pasture bottom, brook, Sequoia Loop Trail Jc	29.66	0.10	90	2080			
(R) Confluence of Biscuit & Pigeon Brooks	29.72	0.04	36	2026	2030		2:15 PM

**Origin of stand:** For much of the grove from (I) to (L), Beech is the dominant with dense sprouting. Shade prevents most cherry <sup>and SUB</sup> reproduction. However, at (M), the stand is more open with a DP glade: relatively free of beech. More SUB + Cherry seedlings are numerous. Also, west of (K) down slope to Pigeon Brook, forest is more open + dom by SUB. (Continued on back of graph).

# Photos

# Location

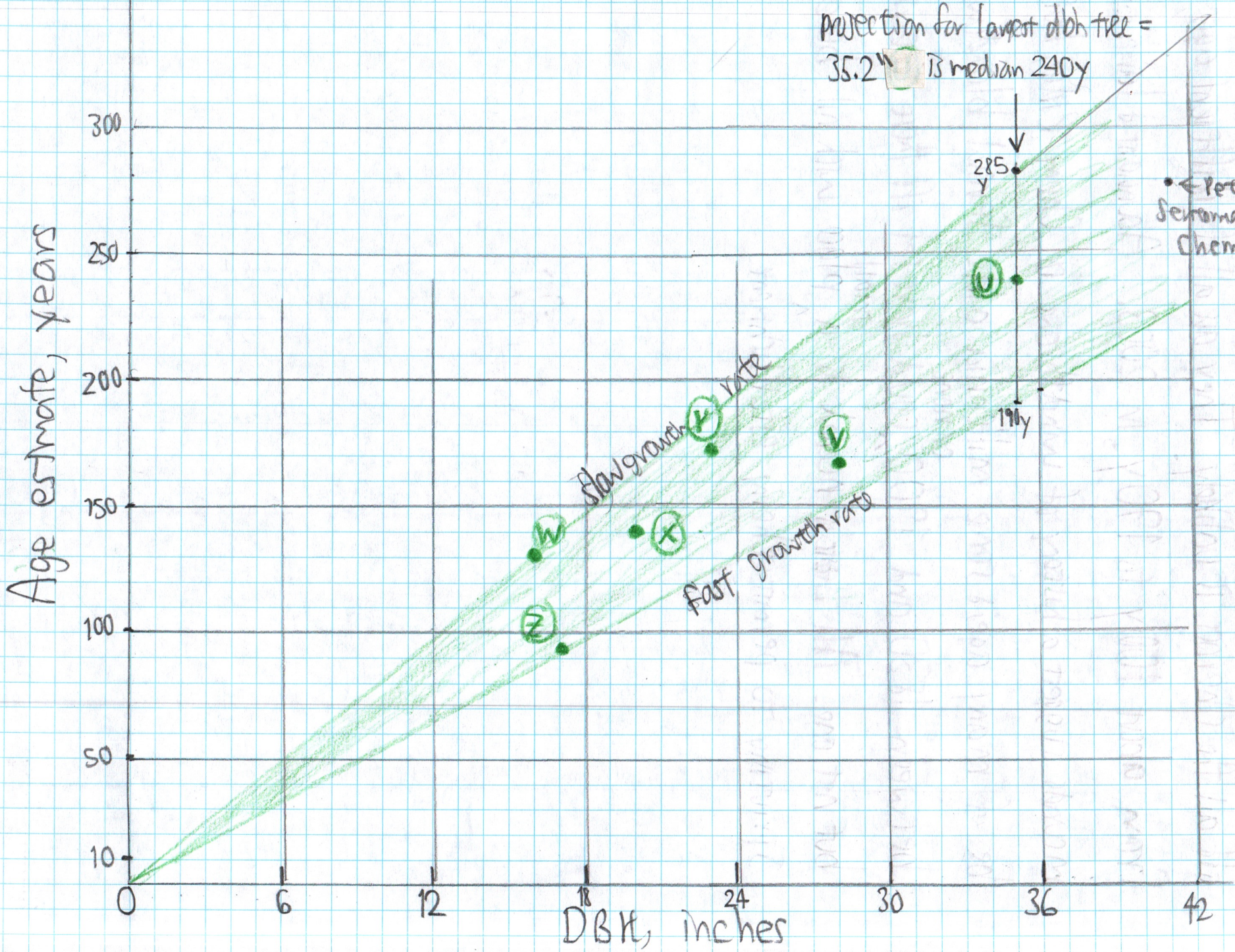
# Measurements 230-42

3 of Blue Hole # 10468 → 10470	(E) 2162'	
1st big cherry # 10471	(F) 2306'	32.4" or 33.9" DBH. Uncertain because zero points on either side of D-tape are 1/2 inches off. Not the largest DBH anyway.
2nd big Cherry # 10472	—	32.3" double trunk. Larger of 2 trunks is 32.3". The other smaller.
(#10473)	←	What is breast height diameter? Maybe 16"? Downed cherry broken off 20 ft above ground. At break 12" DBH and 110 years. How long did the cherry take to grow 20 ft tall? Slowly 20 years. Fast 10 years as a sprout. Tree is 120 to 130 years.
4 cherries in a row # 10474	—	23.6" DBH live & healthy Beech largest 28" dbh
Standing dead Cherry # 10475	(J) 2496'	(X) Trunk broken & decaying so that a ring count could be obtained. DBH 19.8". Radius 10" = 140 years.
Up cherry trunk # 10476	—	31.6" dbh. Photo looks up trunk. Tree ± 80' tall.
—	←	(Y) Cherry downed broken off 35' above ground. 17" dbh at the break from log on the ground 125y. 23.2" DBH on standing portion. Armillanella !! $125y / 17" = ?y / 23.2"$ . $? = 171y$
—	←	29.4" dbh Cherry
largest cherry # 10477	—	35.2" dbh (U) Projected age 240y.
two cherries # 10478	(K) 2587'	lunch stop. The larger 29.3" DBH
—	(L) 2632	± 10 big cherries visible from one point
—	←	34.8" dbh double-trunk
—	←	(Z) 17" dbh Cherry broken off about 20' above ground. 45y in 4" radius in fallen log. Radius $\frac{4"}{8.5"} = \frac{45y}{?y}$ $? = 96y$
about half a dozen cherries # 10479	(M) 2650'	in an open DP grove. Much BC repr.
←	(N) 2885'	end hike. Return down. Hunter's lookout atop big boulder.

## Age estimates:

- From June 3, 1998 hike = 168y. 28" dbh (V) 12 rings/inch
- (W) 130y for 16" dbh tree
- (X) 140y for 19.8" dbh tree
- (Y) 171y for 23.2" dbh tree.
- (Z) 96y for 17" dbh tree

Variation in ring width from 6 to 25 rings/inch



6/13/03  
 Cherry Ridge  
 Black Cherry age 230-43  
 estimates

230-44

The 1998 idea about an early 19th Century blowdown setting off all the chemers is unlikely. They are all of different ages, from about 100 y to 170 y, in 2003. Abundant & large blowdown mounds suggest a history of windthrows on Chem Ridge, but could be of many ages & some millennia old. Several blowdowns between 1830 and 1900, <sup>or none</sup> could have set off these chemers, but not one. All that is needed is a <sup>small</sup> place with nil beech sprouting to permit chemer establishment.