

# Hill Road North Spur Huckleberry Brook Loop Trail

291-24

9/18/07

TO COUNT STUMP RINGS

Site	p	Δp	se	ecale	emap	time	R
(A) Hill Rd. trailhead	30-01	0-00	0-908			1920'	9:06
(B) 1st cellar	29-38	0-63	572	2492			
(C) end last pine plant.	29-36	0-65	590	2510			
(D) enter defol. flat	29-30	0-71	645	2565			
(E) 10 ft summit	29-20	0-81	735	2655	2660'		
(F) cross log road (leave trail)	29-20	0-81	735	2655	JNY ca. 1982	10-20	
(G) low point on log road	29-20	0-81	735	2655		10-30	
(H) 2nd cellar 1st seep	29-22	0-79	717	2637		10-36	
(I) 2nd seep	29-27	0-74	672	2592		10-48	
(J) turn around at blaze	29-30	0-71	645	2565		10:55 to 11:05	
(K) end skid road	29-04	0-97	881	2801			0-908
(KK) begin steep slope	28-90	1-11	1008	2928			
(L) return to trail	28-86	1-15	1044	2964		11:40	
(Z) end pasture	29-16	0-85	772	2692	2660'		
(M) 15' ledge on N	28-78	1-23	1117	3037			
(N) On crest, DBR lunch stop	28-71	1-30	1180	3100	3100'	11:50 → 12:20	

$$\frac{3100' - 1920'}{3000' - 2670'} = \frac{1180'}{1330'}$$

## DESCENT BEGINS

(N) On crest, DBR	28-71	1-7	1180	3100	3100'	12-20	
(M) 15' ledge on N	28-79	1-09	1100	3020			
(L) return to trail, ascent	28-84	1-04	1049	2969		12-45	
(X) skid road	28-89	0-99	999	2919			
(V) leave trail	29-04	0-84	848	2768		12-55	
(O) log road junc.	29-15	0-73	737	2657			
(P) cross hill	29-18	0-70	706	2626			
(Q) gentiana pasture	29-25	0-63	636	2556			
(R) stone piles	29-27	0-61	615	2535			
(T) turn around	29-36	0-52	525	2445		1-30	

$$\frac{3100' - 1920'}{2988' - 2670'} = \frac{1180'}{1170'} = 1.009$$

A=29-81 (over, continued)

R  
291-25

Site	P	Sp	Se	e calc	e map	time
(B) Gentiana top pasture	29-23	0.65	656	2575		1:40
(O) log road junc.	29-12	0.76	767	2687		1:48
(F) Cross log road	29-09	0.79	797	2717		1:57 → 2:30
(C) Top 3rd plantation	29-26	0.62	626	2546		2:56
(B) 1st cellar	29-27	0.61	615	2535		3:00
(U) Ryan's oak	29-43	0.45	454	2374		3:08
(V) top 1st plantation	29-50	0.38	383	2303		3:13
(W) Scurve	29-60	0.28	283	2203		3:15
(A) Hill Rd-trailhead	29-88	0.00	—	—	1920'	3:24

### Age of OAKS

Establishment years in green.

$$\frac{85y}{14''} = \frac{2y}{19''} \quad ? = 115y + 12y = 127y$$

(U) Ryan's oak (he collected Chicken + eggs mushrooms from it): 85y in after 14" radius + rotted 5" radius inner missing. Was this tree already down in 1995 or did it fall shortly after causing a trail re-routing? Standing oaks up to 32" ± dbh.

(C) 1st oak down after (C). Full d=22", full r=11"=125y. Add time since cut to clear trail, 12 y (trail opened late 1994 - early 1995) = 137y. 1870

(N to M) Some oaks only 10" dbh, some multi-trunked, some obviously regenerating from the older trees.

- (Tree O) Stump cut 1960s, 12" dbh, 85 years Use 1965. 1880.
- (Tree P) Stump cut 1960s, 22" dbh, rotted center, after 2" = 35y radius.
- (Tree Q) Stump cut 1960s, 16" dbh, 80 to 85y full cant, not rotted 1885
- (Tree R) Stump cut 1960s, 17" dbh, lichens obscure some rings, 80 to 85y 1885
- (Tree S) Oak stump at top of ridge (N) 18" dbh, too rotted for a cant/m full, but 20 rings/meh rate in outermost 2" of radius. Full radius 9", so only 2/9 visible.  $\frac{2''}{40y} = \frac{9''}{?y}$  180y too much. *not plotted on graph*

(C) to (D) Oak seedlings common, but no saplings. Oak cut to clear trail, 8" dbh = 65y, cut at some unknown height above base.

(continued)

### Age of ASH

Between (C) + (D) = ASH fell & was cut to clear the (Tree L)

trail at 54' up the trunk. At 54', diam = 6" = 65y. Full dbh 14" at base. ASH regeneration at (A) are growing 1 foot/year in height. Add maybe 54y to the 65y + time since cut (<12y) for estimate of 131y. 1876

# AGE OF OAKS, CONTINUED:

291-26

See p. 291-20 for 9/13/07 into head of Cold Spring Hollow, about a mile to the SE. Some oak stumps dated along the blaze at:

- (Tree K) (II) 28" diam stump = 140 y. } stump about 20y old, overcut ca. 1985
- 24" diam stump not counted.
- (N) to (O) = Broken oak with heart rot. Full dbh = 22". 95y in center
- (Tree L) 7" of radius.  $\frac{7}{95} = \frac{11}{?}$   
Full radius = 11"
- ? = 150 y, but prob a little younger, say betw 125 & 140 y.

These ring counts indicate that OAKS were established between 1840s and 1880s. This is too early for the Lucerne-Treze Cutting of 1901. These oaks were established before the D&N-gener acid wood & Charcoal factories, e.g. at Shavertown. The U&D opened to Arkville in 1871.

Mid-19th Century disturbance at N & E sides of Arkville Brook Hollow, but not on south (? - there are a few old oaks on the <sup>south</sup> ridge - see p. \_\_\_ of 9/20/07. Also on Pakotakan Mtn.

The combination of OAK, VACCE, CHESTNUT, PB, and KLOT may not be a coincidence + SKAMORE. These spp. migrated far up the East Branch Valley following disturbances by whom? Troopers? Early settlers? Log-rafting at Arena? Any burns? The East Branch is almost a mild form of the Escarp S. Hardwoods lobe.

→ Examine (mostly public) lands between Dawnville & the hamlet of East Branch.

Pilea has 3-veined leaf blades.



Laportea has pinnate-veined leaf blades.



(N) On crest 3100': FCILZ, SCAMPYL, ANIOX/AA, MO, SUB, BC, OAK, PB, B.

All Plantations date to the C.C.C. era

Striped maple dense understory under red pine, but not under Norway spruce.

Surface is all dug up with excavations & mounds  
Pasture on 1945 Quad.  
Stone piles on boulders, no walls

Keeney Hollow dry hill  
road continues down

*Gentiana clausa*  
2556, 2575 (2540 USGS base of steep)

Cellar is about 100' into the red pine  
Trail turns sharply NE to SE at cellar

Top of 3rd plantation

BB, some Hemlock in Understory,  
Ryan's Oak 2374' (U)

USGS MAP 2520' is here  
(B) Cellar 2492', 2535'

2546'  
2510'

2657'  
2655'  
2655'  
2655'

log road June.

steeper up

2865' m 1995

3020', 3037'  
15' ledge

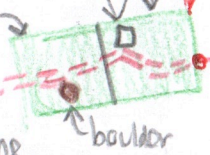
end hike

3100' (N)

ON SPUR OF DBR

Norway Spruce

red pine



USGS MAP 2660' 2655' 2655'

10' level Summit (E) 2655'

boulder

up mod. straight slope Upper Seep

2736' m 1995

2928' (KK)  
2801' (K)

log road ends top of pasture 2692' (2660' USGS)

large cellar (H) 2637'

lower Seep (I) 2592'

This pasture shown on 1945 USGS

2655' dip in road

begin pasture

small cellar

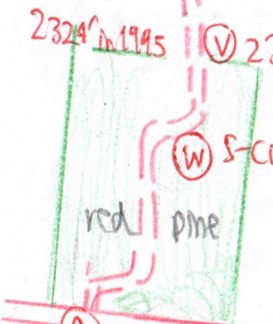
ravine

stone wall

Otto & Norman Maender tract

(J) 2565' (2560' USGS)

road continues down Yang bear obfuscated



2324' m 1995

(V) 2303'

top of 1st plantation

(W) S-curve 2203'

(A) 1920' trail head  
8.1 miles from 2870

White Spruce & Eur. larch old road built up → terrace

On nearly stoneless old pastures, CCC plantations.

291-27

# Effects of defoliation on ground cover:

POLYCONUM CILINDRUM invades so fast that it covers <sup>completely</sup> the log road between (Y) and (D) while DP is still on the sides of the road. Pcili is the fastest-spreader; measurements are best done as it climbs sapling MO, OST, 1" SUB, B, both dead & alive, to heights of 5 to 7 feet (F to D) in one season. Assume that at (F) to (D) SUBs were 1st defoliated this year, 2007, and not also previously in 2006. PCILI will climb up \$INT fronds. PCILI <sup>mat</sup> covers basal & middle foliage of shorter plants such as DP, PA, \$INT, CINNA, CXINTU. Only the top leaves are well-illuminated. ADIV's inflorescence only is above the PCILI mat. Also ASTER CORO.

Taller plants like S RUB protrude above the PCILI mat. SAMB has its leaflet blades browsed by deer leaving the petioles & petioles.

Sites where invasion is minimal: Under shadier sites dominated mostly by MO sapling thickets or BEECH. Here, normal ground cover persists incl. OX, AN, AA, UVUL.

# Effects of defoliation on ground cover in seeps: <sup>of</sup> At and west (D)

Nil effect. The seeps are so dense that they keep out the well-drained invaders, i.e. LAP-IMP-EUP-HYDRO-PILEA ~~can~~ → can keep RA-RF-PCILI-DP at bay. SUB & ASH dominate above. Also present are USMO, ATHELYP, APREM, LOBELIA INFL, CUKYOSPLENIUM.

# Seeps in pastures:

These pastures DO show on the 7.5' Arena (extreme NE corner) and the 7.5' Margantville Quads, both 1945.

- (H) west of cellar: Sgram, Snug, Spunk, Joe pie, adenocaulon, Pilea, PB+CRAT
- (I) ACORD, AUMBEL, APUNIC, JOEPIE, SRUB, ONOCLES, SALTZ SERICEA, EUPILMP, CRAT
- (G) SENTIONA CLAWA, SGRAM dom, a few SRUB, S BICOLOR, CRAT, APPLE

# Miscellaneous Observations:

(S) Several LL patches, one 3' across + one larger. AA + \$ int

## BOREALS IN ABAN. PASTURES —

(B) Under the pine plantations are AN (common) + \$ int. Common under the pines are NON-boreal: VACER, HAMAM, MO, OST, AMEL, VACC ANG, MITCH. Between (C) + (D), site never cleared, boreals appear quickly: OX, AA, \$INT, STREPT, MC, VIOLA, CIMBA under OAK dom, PB, RM, BC

(D) to (E) PCILITRA become abundant in defoliated area + ERZTRAGUS. SUB+OAK most defoliated. B, BC, MO, RM not. Canopy 60 to 70%. Look at ASH 12 to 16", younger than OAK, been (F) + (G). Shadier sites to determine ground cover before the DP-PCILI invasion.

(F) to (G) Solidago bicolor + nigra along log road. OAK common, stump 30y+. PB

(I) + (J) + below: OAK common, ASH, SUB 1/2 defol. + dominant. RM stump on Maender tract about 80 y, 12" diameter, cut maybe 5y previous (ca. 2002). Another RM stump with alternate count 13" diam, 67y. Tree #2 Tree #3

(Z), (K), (KK) to (L) = Leave highest pasture point at (Z) 2892'. Follow skid road up through Beech to (K) 2801'. Then defoliated SUB - DP - Barberr - PILEA stand to

(KK) 2928'. Finally steep pitch under B with Gaultheria to (L) 2969'. (L) is marked by a 4" MO on S side of trail with a trail marker in both directions.

(Q) to (T) pastures: GB?, PBabun, CRAT, APPLE, Norway spr saplings. At (T) (end hike), PB cut recently to clear old road 7" d = 35y. Broke off at 8' up. Pasture aban. then perhaps 43y ago in 1960s. Present on 1945 Mville Quad. ASH, AMEL, RM, YD, OAK, MO max 12" with heavy understory.

18" beech live - Monotropa under Beech + OAK