

5/13/98

Grand Gorge and Jump Hill

with Jack Bierhorst
5/13/98 409-5

Location	pressure	Δp	Δe	e calc	e map	time
(A) Route 30	30.27	0.00	0	1560	1560	11-20 2:05
(B) pasture, 1st	30.14	0.13	111	1671		
(C) wall, stone	30.10	0.17	146	1706		
(D) join brook	30.00	0.27	231	1791		
(E) upper pasture	29.97	0.30	257	1817		
(F) Springs	29.92	0.35	300	1960		
(G)	29.84	0.43	369	1929		
(H) enter gorgelet	29.82	0.45	386	1946		
(I) flat	29.80	0.47	403	1963		
(J) Jump Notch	29.70	0.57	488	2048	2040	
(K) W. pasture	29.65	0.62	531	2091		
(L) Jump Hill	29.57	0.70	600	2160	2160	
(L) Summit	29.57	0.63	600	2160	2160	
(M) SE shoulder	29.62	0.58	552	2112		
(N) Red pine grove	29.72	0.48	456	2017		
(O) gorgelet top	29.79	0.41	396	1950		
(P)	29.83	0.38	352	1912		
(Q)	29.94	0.26	248	1808		
(R) highest stone wall	30.07	0.13	124	1684		
(A) Route 30	30.20	0.00	0	1560	1560	2:05

$$r = \frac{2160 - 1560}{30.27 - 29.57} = \frac{600}{0.70} = 0.857$$

$$r = \frac{2160 - 1560}{30.20 - 29.57} = \frac{600}{0.63} = 0.952$$

JUMP HILL SUMMIT FLORA:

Open stand, probably grazed with approach from the north (least steep). Trees to 40' x 12" max. Both pines, CRAT, PB, EM, VACC, AMEL big, OST, OAK.

Cornus canadensis! on W shoulder and open logged area on JW shoulder - 2 populations (O)

SHAGBARKS: 2 trees at forks of brook at (R) 7" & 9". Along wall at (C) = 6", 10", 3", 5". Two more, 6" & 8" on slope above highway at (S). Also at (3) along the River.

• Norway Spruce, below (O) on west slope 6" x 25', slow-growing & looking scraggly like a red spruce: Probably naturalized from a nearby plantation.

JUMP HILL

Trees	Shrubs	dicot Herbs	Monocots
CARP (B) E	Rhus roid	RA (L) dalm	Cypripedium (F) (L)
SNAG (B) C	(B), (F)		
APPLE (B) J	Crat (B)	ADIV (E)	Ans (F)
STROBUS (B) J	(B)		
	Spiraea lat dom (B)	ARABIS ●	Cx communis (F) Brehart ●
PB (L) P		GLABRA (G)	
PB (I) D, (E)	Hamam (B)		Cx pedunculata (F) Brehart ●
OAK (D) E, (L) I, (E) I, (R) K			
	AMEL (E)	SOLIDLOT (G)	Cx platyphylla (G) Brehart ●
HEM (L) E, I	UVACC (F) (L)		
OST (E) F			
	RCYNOS (F)	VIOLA PIM- (G)	Oryzopsis asperifolia ● (L) † near (E) Brehart
SUG (E)	MM (G)	BRIACULA Brehart = ? POP. in pasture W of (J)	
BASS (F) I	UVACC (L)		
			MC at (L)
CASTANEA wood dead sample collected from ground below (G)	KLAC (I)	CC (L) !	Ferns et al. Lyco. comp (F) Lyco-obs (L) Lyco-annot (L)
	RUCDO (L) primophyllum = roseum	AN (L)	
ASH (I) (F)	CORYLUS (S)	MITCH (C)	
		SAUTIERA (C)	
YB (I)		EPTIBEA (C)	Equisetum sylv abare gazelet
BB (D) P	GAYLUSARIA at (M)	SCAESTIA (P)	at (O)
RED PINE (L)	DIERVILLA (P)		Dmany (D)

Red Pine on Jump Hill

This is the 1st native red pine station in the western Catskills. This conifer appears on the W slope of Jump Hill above Jump Notch, on the Summit, and on the SE & SW shoulders. The SE shoulder site is at (M) 2112' and the SW grave at (N) 2017'.

E. white pine is mixed in with the red.

Some of the red were recently cut and stump ring counts were made. These stumps were on the summit & W slope only.

- #102 17" diameter, 60 years old, the first 15 years of which fast growth.
- #2 4", 35 years
- #104 16", 65 years
- #105 15", 70 years
- #106 4" dead, 50 years. Very slow-growing tree. MK pushed the upright dead trunk over & canted rings on the broken stump
- #107 15", 40 years

Loose stumps have bark on. Cutting occurred maybe early 1980s.

Uneven-aged stand suggests native.

Size of red pines uncut: 3" x 20' to 12" x (N), (M) 50 ft x 16" DBH max. 50' on W slope.

About 15 trees in grave (N) mixed with E. white. 5 trees at (M).

No charcoal detected on Jump Hill.

Some smaller, younger red pine re-pro..

Along the UTD in Grand Gorge

- ⑤ *Carex stricta* (?) dominates the open flood plain.
- ① Trees = ELM, BASS, ASH, WEM, OAK, PB, PB, STROBUS, MO, BC
 SUB, CARP
Shrubs: MM, ^{CNC}DIERVILLIA, AMEL, CORYLUS, RCTNAS, RLAE, SAMS PUB in flower
Dicot. herbs: Dent di, Actaea nbra, LAP, Thalictrum, IMP, VC, Vpub, Adian
Rubus not hispidus - maybe pub. ? ; *Salix* va (the little one), *Agrostis* in flower
Monocots: TE, *Polygonatum* biflorum (a large species), TIAR, MITELLA, HYDRO
Ferns et al.: *Phlegmonea*, *Pbraunii*, S, *Cyst frax* & bulb, *Gymnocarpium*,
Dmarg, *Polypode*, AFF, *Woodsia ilvensis* (?)
Bryas: *Mnium*, *Thuidium*,
- ② PIN CHERRY, VLENT, VRECOG, BUTTERNUT, *Rubus pubescens*, *Allium*.
- ③ *Alnus semulata*, not *nyssa*: leaves bare & serrate, stems more erect, cones semi-erect (*nyssa* has semi-pendent "cones"), SHAB sapling, BB, MOI EM, *Salix seneca*, *Luzula*.
- ④ *Salix bebb*, *Comus stolon*, *Salix nyssa*, CIMN, *Verbena hastata*
- ⑥ Oak common. Teasel (one plant) between highway & river. *Brytooth*.
- ⑦ *Strubus* grave on SW shoulder, < 100' below summit, maybe on some steeper ledge. Inch Mtn.

Forest History

BB Canon 30' to 40' PIN
Sprawls from BC stump 12 to 15y,
bank still on

BEECH by old.
Logging & clearcut late 1980s
B dom around clearing. Some

C stumps 20 to 30y old,
older logging 1970s

D Mc Gregor Summit a few
acres on summit may be 10
e-p. #92 & 93

E Stumps 30 to 35y
logging ca. 1970. DP
Pcili
ALLIUM

I ASH. Stumps > 30y, 1970±

P to **Q** Log road recently
widened with exposed
fill, prob this spring 2003.
Probably follows an older road.
Stumps ± 30y, few from an earlier 1970s logging

P Moreville North Peak.
a few acres on W shoulder
summit may be 10.
e-p. #94

S Moreville South Peak
stumps ± 25y, logging
1970s

Paper Birch

Widely -
scattered
individual
trees:

between
O & **P**
at **G** and
between
F & **G**
at **J**

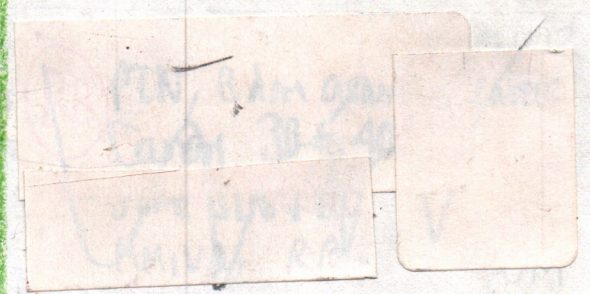
along Tower
Mtn. Rd.
above
Dand Trucks
house

OAK

NONE seen
On Utrayantha,
unlike in 1969.
Grove at **K**
is the only
location.
1/2 leaf brown
from **G**

The Sizes

409-8
LU



BB one 30" BC. Not logged
because of deformation.

D Mc Gregor Summit Tree #29
24" BC down, age only 120y
Max 26" standing
Subs to 18"
Maybe 10 Photo

E 22" B, 36" BC deformed in
a logged area. YB small

P Moreville Range North Peak
BC dom to 16" x 40'
Maybe 10

F RM dominates a flat just
above the open pasture,
stunted & all multi-trunked.
Is ledge just beneath out
of sight?

JUMP HILL

409-9

Open pasture, probably still used, climbs up one steep pitch & onto 2091 foot terrace W of Jump Notch. Above, wooded Moreville Range rises on west.

to Moreville Range with Telephone (new?) tower on 2940' summit.

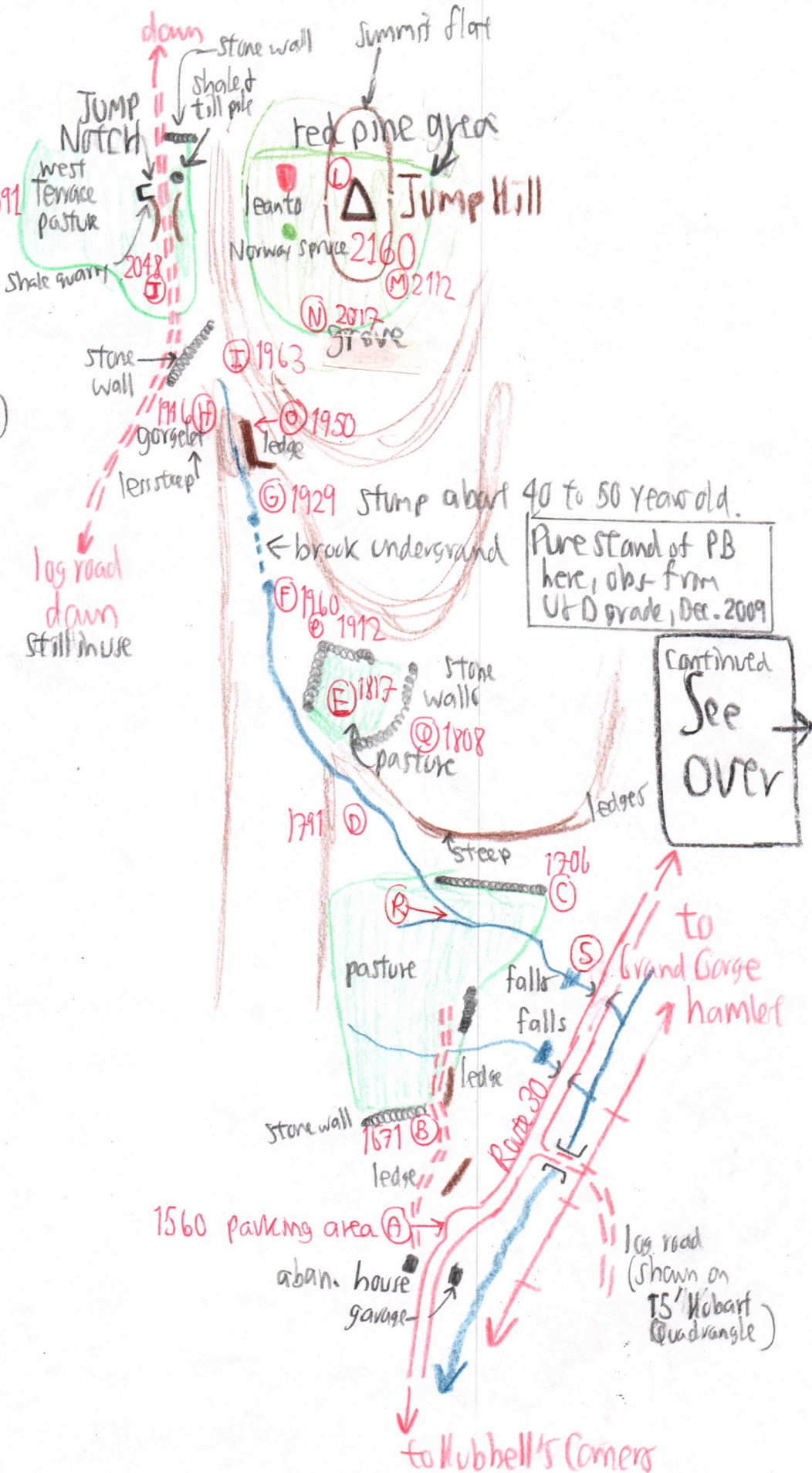
Conifers

Strobus & hemlock are common on the hill side above & behind the house at (A).

A good view of the Moreville Range is obtained from Jump Hill.

Scattered emergent E. white pines on the mid & upper slopes suggest disturbance about 100(?) years ago—probably no 1st growth.

No red spruce or fir seen anywhere in the Grand Gorge area.





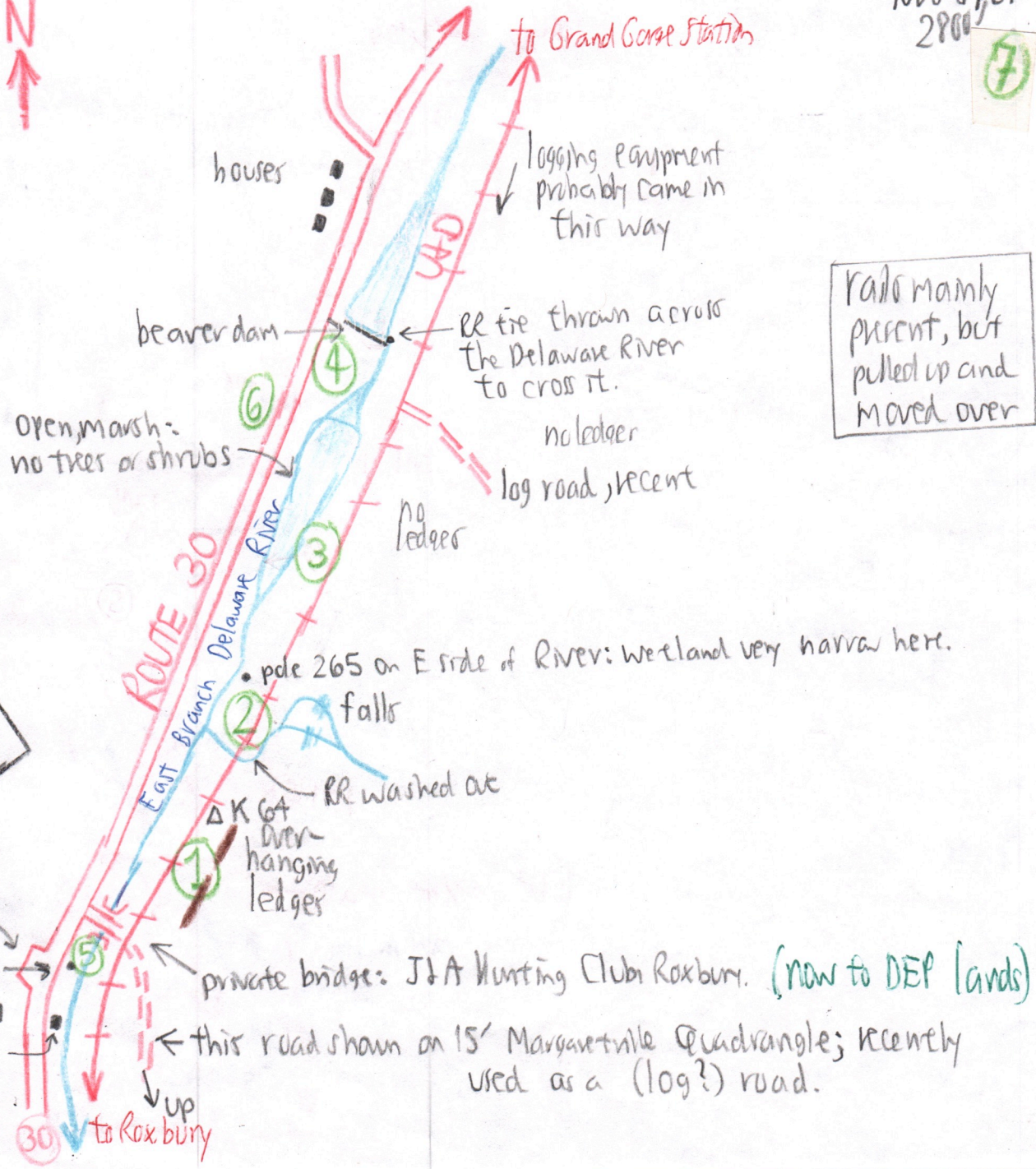
409-10

Irish





JUMP HILL 

Irish Mtn.
NW spur 
2800' 



Railroad mainly present, but pulled up and moved over

Continued See Over JUMP HILL 

6 

30  up to Roxbury