

Headwaters of the Beaverkill 255-1 5/18/03

With Louise Moore, Pete Senterman, Jim Daley, Bruce Warden, Allen Beebe & Gary Hooker

	ρ	$\Delta\rho$	Δe	e_{calc}	e_{map}	R	time
(A) Balsam Lake Trail Head \rightarrow	29.51				2550		+ 10:50 AM
(B) ford the Beaverkill	29.47				2550		- 1:45 PM
(C) Campsite at confluence <small>e-p 88 below this</small>	29.45	0.00	0		2570		
(D) lower end of 1st meadow	29.42	0.03	26	2596			2:00
(E) upper end of 1st meadow	29.40	0.05	44	2614			2:25
(F) Beaverkill channel on E side of valley trib from E just upstream with small meadow on trib	29.32 ± 29.30	0.13 0.15	113 131	2683 2701			
(G) rest stop = vegetation noted	29.28	0.17	148	2718			
(H) lower end of 2nd meadow	29.24	0.21	183	2753			Sm blaze 3:35
(I) Doubletop - Graham Col	28.98	0.47 0.91	410 880	2980 2980	2980		4:13 to 4:30
(J) 4 stumps e-p # 96	29.11	0.78	754	2854			
(K) Ash on terrace	29.32	0.57	551	2651			
(L) log road	29.44	0.45	435	2535			
(M) ford Flat Iron Brook <small>29.40 29.60?</small>		0.29	280	2380 \pm			
(N) JC - of log roads with Brook & west bolt survey	29.73	0.16	155	2255			
(O) Flat Iron Camp	29.76	0.13	126	2226			
(P) Dry Brook Trail	29.89	0.00			2100		
(Q) Seager Trail Head	30.07				1970		5:43

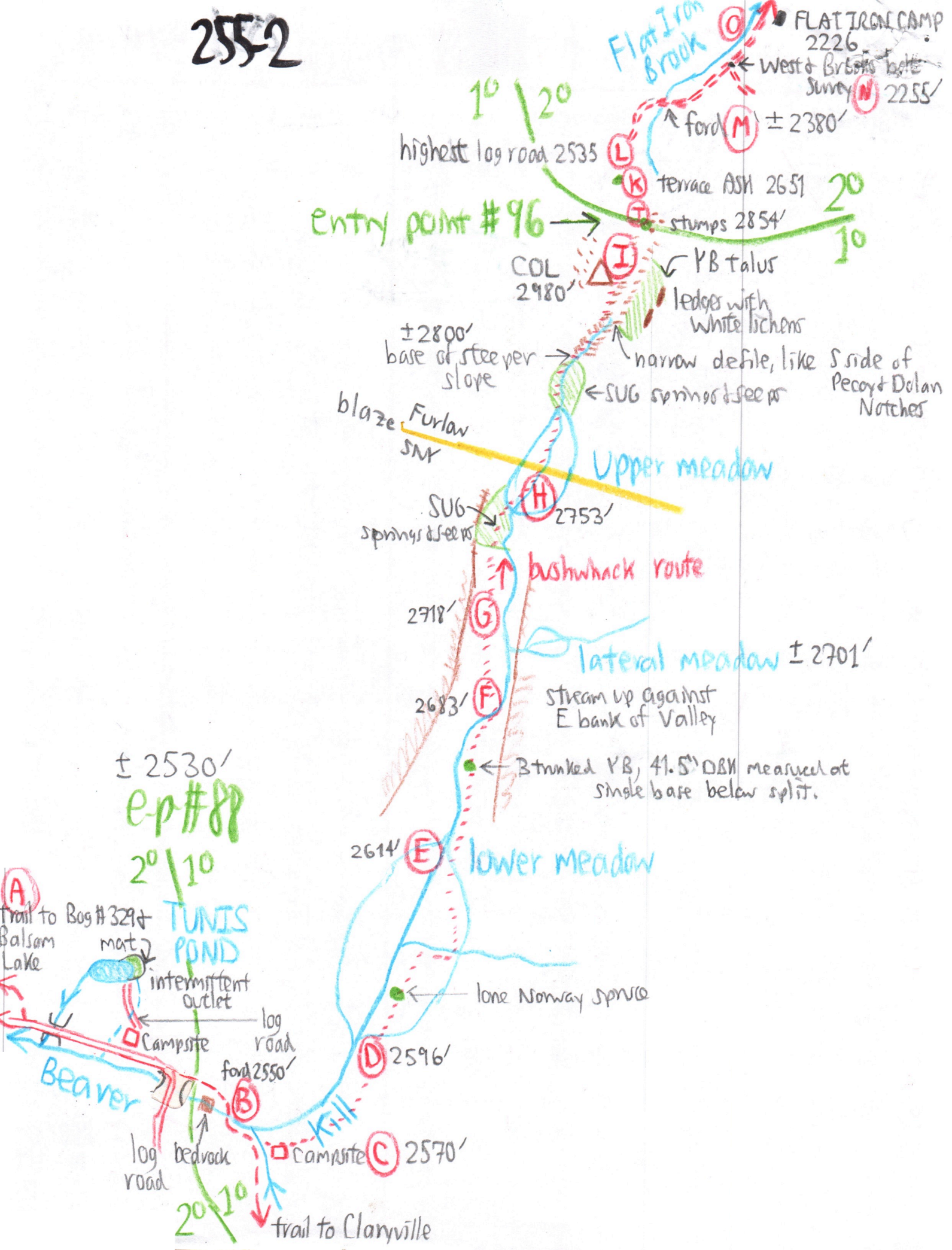
e-p # 88
 $\pm 2530'$

e-p # 96

\uparrow
 $29.45 - 28.98 = 0.47''$
 $\frac{410'}{410'} \approx 0.872$
 \downarrow
 $29.80 - 2570$
 \downarrow
 $R = 0.967$
 $\frac{29.80 - 2100 = 880'}{29.89 - 28.98 = 0.91''}$

B06H329
11:54 TO
about 12:15

255-2



BOG # 329

22500/43560 sq ft

estimated by Jim Daley & MK to be 90' wide x 250' long = 0.52 acre

probing

MK went 26" to till with tile spade. Pete Genteman went to 36" at one point with a stick, but not worth a peat sample; 1589 y at ^{24" in 1999} SUG only. 2384 y at 36".

MK dug pit 16" for water measurements.

pH

pH > 4.5 low scale
4.6 high scale

temp

52°F water temperature
56°F air

Oxygen

Oxygen 0.28 mg/L at 11.1°C for a few seconds, a minimum. Then O₂ level rose up fast to 0.5 mg/L for no apparent reason before meter was turned off.

Calibrated chamber 7.54 mg at 23.1°C. 91 on display, suggesting 0.91 of sea level atmospheric pressure at elev. 2500'. Actual elev 2460'.

Water fill

Water fill rate from 16" to 2" ($\Delta 14"$) in 16 minutes.

root depth

Water filled the holes & max live root depth could not be determined, BUT an old, windthrow "pancake" showed a root system from 12" to 16" deep (the larger roots remaining).

MK forgot to collect Sphagnum!!

Rubus pubescens (NOT hispidus)

255-3 (7/8)

TUNIS POND MAT

Sphagnum collected (BUT NOT at # 329!)

Some NEM, a few fir, Spargacia tomentosa, R. hispidus (NOT pubescens), Chirognes, Coptis in fl., VACC, YB, NEM O!

Tunis Pond pH 4.5, water warm 64°F in sun at shallow edge.

Mat from 8 to 16" to many channels, but gravel began from 6 to 12". Thus, peat is only 6 to 8 (maybe ^{max} 10") deep not worth sampling.

The mat is narrow and probably not very hold, at most a few thousand y. The fir is still there.

● STONINESS

Several BCG came down within the last year or two about midway betw. Balsam Lake Trail Head & Black Brook. 20 to 25% estimated stone in a SUB area.

COL between Graham & Doubletop is stonier & no SUB = BCG + B dom.

Talus slope on Doubletop side of COL is YB.

Photos

255-4

1st growth forest composition

- ① from Balsam Lake trail head looking E to Graham + Doubletop
- ② two of Amillanella on danned SUB at Black Brook
- ③ Anemone quinquefolia near Gulf of Mexico Brook
- ④ two of Tunis Pond looking WNW to BL Mtn (for Laurie - give one to her)
- ⑤ Lower Beaver Meadow
- ⑥ Heracleum + Angelica adjacent
- ⑦ fawn

1st growth Definitely begins at (C); but could have just above the log road bridge below (B). If this is true, then the Nevernink-Kaulenberg Trail was never used as a log road [Much like the Denning-Winnisook trail wasn't SW of the Monument]

Leave 10 at (J) 2854' only 125' below the col. 4 stumps, 1960s.

SUG Noted by its near-absence along the Beaverkill's upper reaches from (C) to (I), with 2 exceptions shown on sketch map with seeps. Here it is dominant & up to 30" DBH above the Upper Meadow.

COL: BC-B ridge hardwoods dominant. YB on steep talus up Doubletop.

FLOOD PLAIN: Fir throughout but not common. RM, KEM, YB, B common. Asun. VA with dense B sprouts between the 2 meadows: slow-going

1 SOB feeding.

YB to 30", one measured at 41.5". Kems to ± 30"

Heracleum abun in open areas, & in a few places (one photo) alongside Angelica.

ALL 3 meadows have Lonicera tatarica & The 2 main meadows also Taraxacum. One big Norway Spruce by itself at in the open in the lower meadow. The 4 alien spp. ^{initially} suggest agriculture, but maybe not because of 2 alien spp. at the upper meadow. TUSSILAGO near Norway spruce. Probably never grazed.

At (G) Thick VA, BC, RM, YB, FIR, KEM, but nil SUG.

At Upper Meadow, Sax. penn. abundant, Onoclea.

Anemone quinquefolia abun. throughout except in the col.

NATURALIST