

# Panther Mtn. from Olivera

May 28, 1987

with Bill Riemvis, Kathleen Delphin-Balthazar, Victor H Mann

172-1

Site	map elev	p	Δp	Δe	e	time	Site	map elev	p	Δp	Δe	e	time
Riemvis	1600'	30-40	0	0	1600	8:45 AM	HH		28-50	1.18	1145	3345	
		30-06	0.34	327	1927		II		28-50	1.18	1145	3345	
		30-10	0.30	289	1889		JJ		28-61	1.07	1038	3238	
		29-86	0.54	520	2120		KK		28-66	1.02	990	3190	
		29-78	0.62	597	2197		LL		28-73	0.95	921	3121	
NY blaze		29-66	0.74	713	2313		MM		28-80	0.88	854	3054	
		29-60	0.80	770	2370		NN		28-90	0.78	756	2956	
		29-43	0.97	934	2534		OO		28-96	0.72	699	2899	
		29-40	1-00	964	2564		PP		29-12	0.56	543	2743	
		29-27	1-13	1088	2688		QQ		29-26	0.42	408	2608	3-20
		29-17	1-23	1185	2785	ep 115	RR		29-34	0.34	330	2530	
Knob	2900'	29-05	1-35	1300	2900	10:30	SS		29-42	0-26	252	2452	3-50
COL	2720'	29-23	0	0	2720	10:59	TT		29-46	0.22	214	2414	
		29-17	0-06	54	2774		UU		29-58	0-10	97	2297	
		29-10	0-13	117	2837		VV		29-60	0-08	78	2278	
		29-00	0-23	216	2936		WW		29-62	0-06	58	2258	
		28-86	0.37	333	3053		XX		29-64	0.04	39	2239	
		28-78	0.45	405	3125		YY	COL	2200'	29-68	0	0	2200'
		28-74	0.49	442	3162			1st field	2200'	29-68	0.62	660	2200'
		28-72	0-51	459	3179	11:40-12:10	ZZ	SMY	29-70	0.60	639	2179	
		28-72	0-51	459	3179		AAA		29-86	0.44	467	2007	4-46
		28-67	0.56	504	3224		BBB	2nd field	29-95	0.35	372	1912	
		28-52	0.71	640	3360		CCC	3rd field	30-03	0.27	287	1827	
		28-44	0.79	712	3432		DDD		30-10	0-20	213	1753	
		28-38	0.85	766	3486		EEE	Hwy	30-26	0-04	43	1583	
		28-34	0.89	802	3522		AAA		1540'	30-30	0	0	1540'
		28-20	1.03	927	3647		AAA		1600'	30-26			1600'
		28-16	1.07	964	3684		AAA						5-25 PM
Panther Summit	3720'	28-12	1.11	1000	3720	1:08	AAA						
		28-12	0-30	298	3720	1:30	AAA						
		28-20	0.22	218	3640		AAA						
		28-25	0.17	169	3591		AAA						
		28-42	0-00	0	3422?		AAA						
		28-40	0-02	20	3442		AAA						
Spr Cove	3422'	28-42	0	0	3422	Ca. 1:50	AAA						
		28-42	1-26	1222	3422		AAA						

Rate:  $\frac{1300'}{1350''} = 0.964$

Rate:  $\frac{3422'-2200'}{29-68-28-42} = \frac{1222'}{1.260''}$

Rate:  $\frac{1000'}{1.110''} = 0.902$

Rate:  $\frac{2200'-1540'-660'}{30-30-29-68-0.62''} = \frac{600'}{1.064''}$

ep 116

3-20

3-50

4-46







# TREES

BB (A) (B) (C) (ZZ) (BBB)  
(CCC) (DDD)

PB 2 trees (C), (S), (X)  
reinters  
Common (AA), (CC)  
out by (EE) 3500' sign

BASS (F) (I) (M)

ASH (C) (E) (J) (K) (N) (P)  
(MM) (PP) (RR) (SS)

OST (C) (M) (OO) (SS)

ELM (EEE)  
FIR dead (R), (CC) (II) 1 tree  
(S) (JJ) 3 trees  
(W) understory  
(AA) dense repro

SPRUCE (BB), (GG), (HH)  
(II) 1 tree

Scott's White Pine planted (BBB)

APPLE (D)

CRAT (D)

OAK (I) one each  
(C) Sap. at 15' tree.  
(TT)

BIGTOOTH (A) (B) (UU)

TASP (C) 7" + 40 yrs. old

HEM (C) (UU) (WW)

CARP (XX)

WHITE PINE seedl. (GG)

(SS)  
BC (H) some, max (I)  
24" (J), (N) (Q)  
(M) with knot, (T), (Y)  
(EE), (HH), (MM) (OO)

B (Q) (T), (Y), (EE), (HH)  
(SS)

RM (K) (Q) (M)  
in fruit (Z), (EE) (SS)

VB (K) (Q) (S), (W) (X)  
(CC) (EE) (HH) (LL)

SUG (C) (H) (J) (K) (L) (N)  
(T), (V), 1 tree (W), (Y)  
(EE), (KK), (LL), (MM)  
(RR) (SS)

SURB  
Seedling (K), (AA), (CC)  
(S) 1st trees.

MO (K) (L) (S) (HH)  
thicket (LL) (SS)

PIN (Q)

# SHRUBS

MM (I) (Q) (DD)

NAMAM (A) (I) (DD)

Meadowsweet (C)

AMEL (E) (S)

VACER (F)

Samb (I)

CHK (I) (M) (K)

RG (K) (M) (LL)

VA (S), m-fl. (Z)

Vacc ang (S) (AA)

Nemo Common (AA), (BB)

Amel bart (EE), (BB) at N crest.

Rhodo nifum (FF)

R triste (LL)

R cynos (PP)

Comus var. (A) and also along old (28) n  
betw (A) + (EEE) betw F'mant & Coverville on 5/29



# HERBS 172A

## Boreal

- MC (E, S)
- AA (G)
- Ox (K, PP, TT)
- \$mont (K, SS)
- LL (K)
- SM (Q)
- AA (Q)
- TB (Q, R)
- AN (R)
- CB (S)
- Coptis glanfl. (AA)

## Lower slope

- Caulo (E, N, MM)
- Lap (E, L, MM)
- PA (E, N, ~~MM~~, PP)
- Anis (E, K)
- Adiv (E, O)
- Tiar (E)
- Mitella (E, H, O)
- VC (F, L, N, ~~MM~~, PP)
- EUP (F, H)
- DIC (F, N, ~~MM~~, PP)
- GAL (F, O, PP)
- OSMO (F, H, O)
- ALLIUM (F, H, N, ~~MM~~, PP)
- Dent (H)
- Scaer (H)
- Borrichum (H)
- Hepatica (H)
- Hydro (H, N, LL, PP)
- IMP (N)
- Dene (N)
- Athelyp (O, MM, PP)
- Ranunc. recur (O)
- V pub (O)

## Miscellany

- DP (B, G, Y, VV, WW)
- NYF (B)
- PREN (F)
- TE (F, Q, T)
- UVUL (G)
- Pcili (J, SS, K)
- Ery (K)
- Poa? (M)
- AFF (O)
- Deschampsia (R)
- RA (S)
- Polypody (S)
- VV (CC, PP)
- R hisp (LL)
- V rot (PP)
- Ox brom? (TT)
- Lyc obs (VV, XX)
- Lyc clav (XX)
- Sisyrhynchium (BBB)
- Apocynum (BCC)
- Milium? (Paniceae) (F)
- Strept (M)

## Soils

- 3' till, no ledge, on log road (B)
- 3' till in rill below (D)
- Many rills at (D).
- Boulders & frag. ledge begin (F)
- 1' of till over ledge at (M)
- At Panther Summit, H<sub>2</sub>O table is 6" to 12" down ledge crevices. Sphagnum in one crevice. (BB)
- E horizon is possible in Spodosol.
- 14" till on < 1' of till over ledge between (K) & (L).
- BASS on 1' of till over ledge at (M)!

The following at (N) are under SUB only (no ASH, no BASS):  
 ALL, IMP, VC, HYDRO,  
 DIC, CAULO, TIAR, LAP,  
 ATHELYP, MITELLA,  
 DENT, GAL, AFF,  
 ADIV, OSMO, VPUB  
 RANUNC

24" cake at (MM) no ledge.  
 30" to 36" cake at (Q)

Red silt, most. RECURV.



# Forest History

172-5

2<sup>o</sup> growth forest, logged but not cleared on steep slope (A) to (B) to end of log road:  
Logging done in 1950s or 1960s.

Old fields from (C) to (E), probably abandoned in 1930s on gentler <sup>10<sup>o</sup></sup> slope. One TASP broken off near base shows 40 rings (1947-). Apple & Crab at (D) still alive & Meadowsweet. SUB stump 28" and several scat-lve SUBs probably were open-grawn isolated trees used for tapping in the pasture. Apple 10" x 30'.

At blaze (E), the slope to (F) may have been pastured but abandoned earlier (maybe 1920s, 1910s?) as trees are older. No stumps. State Land.

Above 1st ledge (fragmented) (F), slope was not pastured but probably logged. No stumps are visible, but most maples are multi-stemmed suggesting stump sprouts. Most SUBs maples are 10" DBH with max 14".

It's 1<sup>o</sup>, see pp. 174-29 ff

From (J) to (P), it is difficult to determine whether forest is 1<sup>o</sup> or 2<sup>o</sup>. There are many trees of large size, but the abundance of ASH suggests disturbance. However, some of the ASH are so big that disturbance could have been <sup>natural</sup> pre-settlement (1st half of 19th Century).

## Examples:

BC 24" (J)  
BC 33" (K) +  
dominates  
the knob  
BC 27" (N)

ASH 18" (F)  
ASH 33" (K)  
ASH 36" (2 trees)  
SE shoulder of  
Knob (K)  
ASH 12" (two) (K)  
E of (K)  
ASH 42" next to frag.  
ledge with broken  
top & several others  
Smaller, no repro-  
14" ASH on < 12' tall  
on ledge; 10" ASH

SUB 40" 2 of them above  
(J) & at ledge base  
below (K)  
SUB 33" at (K)  
SUB 26" E of (K)

Col (L) is probably  
2<sup>o</sup> growth while  
Knob (K) may be 1<sup>o</sup>  
MO blowdown in Col  
from NW winds

Co. OST 12" x 40'  
at (M)



At (Q), the forest, certainly 1°, becomes scrubby. YB dom to 20' tall.

e.p. 115

Two dead fir at ledge top at (R) with Deschampsia opening. 1st live Fir (one tree stunted on ledge) + 1st PBs at lookout (S) + 1st 50 PB trees. BC has black knot!!

Between (T) + (Y), N hardwoods dominate (SUB, B, BC, YB) with widely scattered fir (2nd tree at (U) 15' x 3") + more at (W). Last SUB at (Y).

Fir

At (AA), Fir dominates abruptly, with 15 to 20 yr old trees forming thickets under dead older next larger PBs. PBs must thrive in the 60 to 80 year regeneration fir cycles. Looks like ADKS!!

Spruce

First Spruce was seen about 10' W of trail + 7' tall. Second spruce is along trail <sup>8 spaces N of (BB)</sup> double trunked, 3" x 20". About a half dozen more spruces are along trail. The knob (GG) has a 30" dead SPRUCE. Young trees are healthy with leaders from 2" to 10" long in 1986. Several big dead SPR toward W end of grove. The SPR grove (with only a few fir) abruptly ends at (HH) <sup>3345'</sup>, although several widely scattered fir descend to (II) <sup>3345'</sup> + (JJ) <sup>3271'</sup>, 1 SPR at (II). What is remarkable is that the SPR grove ends abruptly in a BC + B dom hardwood forest with some YB + MO, not a YB-MM scrub!!

At (LL) many <sup>1° to 2°</sup> MO were cut almost in a curved survey line, leaving four-high stumps within the last several years. By (MM) 1st ASH reappears with <sup>one</sup> 36" SUB + some > 24", BC to 24" <sup>prob. still 1° growth</sup>. ASH are more common at (PP) and probably mark 2° growth. SUBs commonly 36" at (RR) but still prob 2° growth.

At (QQ) blowdown by an E wind. At (TT) oaks are multi-stemmed (following stump sprout?). Stumps but no trees indicate logging at least 40 years ago? At a ledge cut

(UU) forest height increases abruptly from 60' above to 80' below

At (YY) old pastures begin.



174-34

2900' SW Knob on Panther Mtn, <sup>on west spur</sup> south of Little Peck Hollow

pp-172-1 ff of 5/28/87

(J) 2785' on W slope of 2900' knob. BC 24" at (J)

(K) 2900' summit of knob.  
BC to 33" dom.  
ASH 30"  
ASH 36" - two trees on SE shoulder  
ASH 42" next to frag ledge

SUB 40" two at ledge base below (K), above (J)  
SUB 33", 26" E of (K)

(L) COL 2720'. Probably 20'. Check this.

(S) Lookout to SE at 3179

(W) Camerette old sign board on tree

Trail not maintained from (J) 2785' to Panther summit.

(K) acquired by SNY between

Great Lot 7  
Livingston Tract  
Division 1

Lots 3: W of 2900' knob

4: 2900' knob

5: diam ledge

} 1000 acre lots  
purchased 1904 & 1905.

