

Shultice & Irish Mtns.

With Chris Olney & Joe Markulin
6/10/03

408-5

| Location | P | Δp | Δe | e calc | e map | R | time |
|---|-------|-------------------------|------------------------|--------|-------|---|-----------------|
| (A) Hendry - Markulin home | 30.12 | 0.00 | 0 | — | 1720 | | 9:39 AM |
| (B) enter woods | 29.94 | 0.18 | 163 | 1883 | | | |
| (C) end Hendry-Markulin tract | 29.80 | 0.32 | 290 | 2010 | | | |
| (D) oak - PB - BASS | 29.70 | 0.42 | 381 | 2101 | | | |
| (E) 2nd property line - stone wall | 29.63 | 0.49 | 444 | 2164 | | | |
| (F) on narrow crest of ridge | 29.60 | 0.52 | 472 | 2192 | | | |
| (G) Feldman tract. SHAG | 29.55 | 0.57 | 517 | 2237 | | | |
| (H) Red pine begin | 29.50 | 0.62 | 562 | 2282 | | | |
| (I) Red pine end | 29.40 | 0.72 | 653 | 2373 | | | |
| (J) stone wall - Ludwig Tract; begin fields | 29.20 | 0.92 | 834 | 2554 | | | |
| (K) top of field | 29.00 | 1.12 | 1016 | 2736 | | | 11:15 |
| (L) Belleayre Mtn. visible | 28.78 | 1.34 | 1215 | 2935 | | | |
| (M) top of fields | 28.75 | 1.37 | 1244 | 2964 | | | |
| (N) last stone wall | 28.73 | 1.39 | 1261 | 2981 | | | |
| (O) lunch in always-wooded | 28.70 | 1.42 | 1288 | 3008 | | | 11:40 to Noon |
| (P) subsummit | 28.67 | 1.45 | 1315 | 3035 | | | |
| (Q) road steepens | 28.64 | 1.48 | 1342 | 3062 | | | |
| (R) road summit | 28.45 | 1.67 | 1515 | 3235 | | | 12:20 |
| (S) Shultice Summit | 28.40 | 1.72 0.54 | 1560 460 | 3280 | 3280 | | 12:27 |
| (T) road on terrace | 28.46 | 0.48 | 409 | 3229 | | | |
| (U) road on terrace | 28.57 | 0.37 | 315 | 3135 | | | |
| (V) road on terrace | 28.66 | 0.28 | 239 | 3059 | | | |
| (W) road junc. | 28.72 | 0.22 | 187 | 3007 | | | |
| (X) Cabin & trailer | 28.80 | 0.14 | 119 | 2939 | | | |
| (Y) South Col, road junc. → | 28.95 | -0.01 | -9 | 2811 | 2840 | | |
| (Z) lodge | 28.88 | 0.06 | 51 | 2871 | | | 1:20 |
| (AA) Summit of Col Knob <small>max sub bc</small> | 28.85 | 0.09 | 77 | 2897 | 2900 | | |
| (BB) North Col = sub dom. | 28.94 | 0.00 | 0 | 2820 | 2820 | | 1:30 |
| (CC) road on terrace - Seep | 28.78 | 0.16 | 136 | 2956 | | | |
| (DD) Irish Summit | 28.66 | 0.28 | 239 | | 3060 | | 2:05 to 2:30 |

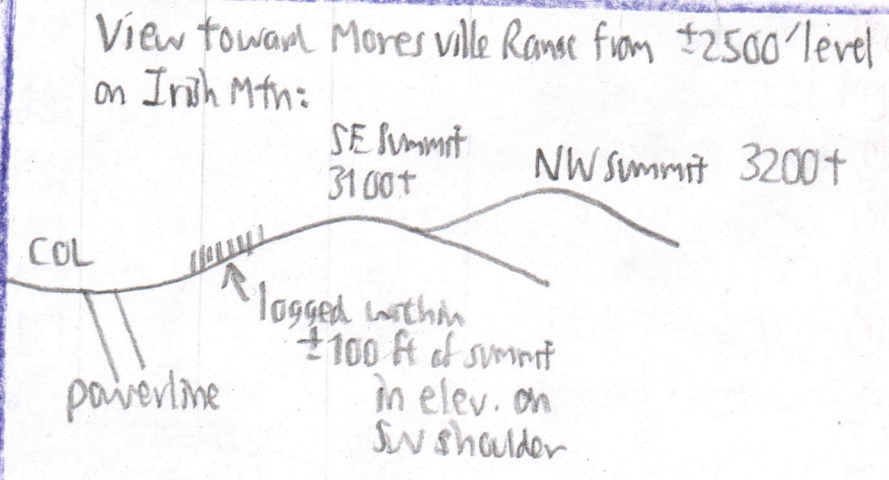
$$\frac{3280 - 1720}{30.12'' - 26.40''} = \frac{1560'}{1.720''} = 0.907$$

$$\frac{3280 - 2820}{28.94'' - 28.40''} = \frac{460'}{0.54''} = 0.852$$

| Location | 408-6 | p | Δp | ae | ecalc | e map | R | time |
|--|-------|-------|------------|------|-------|-------|---|---------|
| (DD) Irish Mtn. Summit | | 28-66 | 1.57 | 1500 | — | 3060 | | 2:30 PM |
| (EE) Cinn-Internoted fern <u>VM</u> | | 28-67 | 1.56 | 1490 | 3050 | | $\frac{3060 - 1560'}{30 - 28.66} = \frac{1500'}{1.571} = 0.955$ | |
| (FF) stump & log road <u>begin steep descent</u> | | 28-70 | 1.53 | 1461 | 3021 | | | |
| (GG) Ash | | 28-75 | 1.48 | 1413 | 2973 | | | |
| (HH) VV terraced pool | | 28-78 | 1.45 | 1385 | 2945 | | | |
| (II) 3rd skid road on descent | | 28-90 | 1.33 | 1270 | 2830 | | | |
| (JJ) major skid road | | 29-14 | 1.09 | 1041 | 2601 | | | |
| (KK) many log roads } | | 29-30 | 0.93 | 888 | 2448 | | | |
| (LL) } | | 29-40 | 0.83 | 793 | 2353 | | | |
| (MM) cut in till | | 29-55 | 0.68 | 649 | 2209 | | | |
| (NN) brook on N, upper | | 29-63 | 0.60 | 573 | 2133 | | | |
| (OO) brook on N, lower | | 29-80 | 0.43 | 411 | 1971 | | | |
| (PP) pasture, old | | 29-88 | 0.35 | 334 | 1894 | | | |
| (QQ) Landing | | 30-16 | 0.07 | 67 | 1627 | | | |
| (RR) Route 30 in Grand Gorge ^(gorge) | | 30-23 | 0.00 | 0 | — | 1560 | 4:00 PM | |

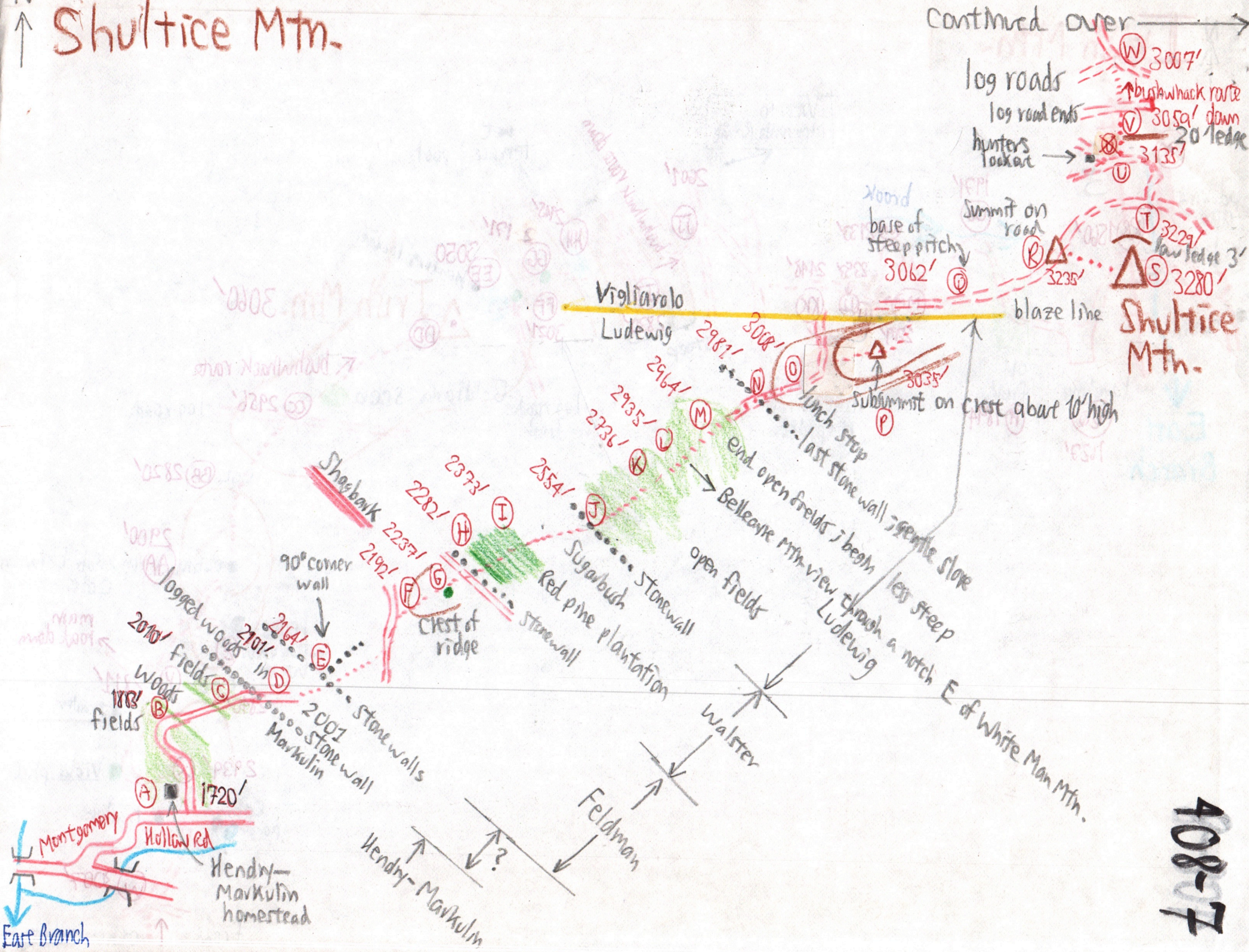
Photos

- (J) to (K) Two each:
 - a. Plattekill Mtn. Look for disparity in crown sizes on spruce to ITS each
 - b. Rowberry red cornfields
- (X) Viola sororia (?) [papilionacea probably]
- (Z) View to west; aban. fields in different successional stages
- (CC) D. goldiana with MK.
- (EE) 2 Osmondas spp.
- (I) Stumps of 2 ages: ± 5 and ± 40 y.



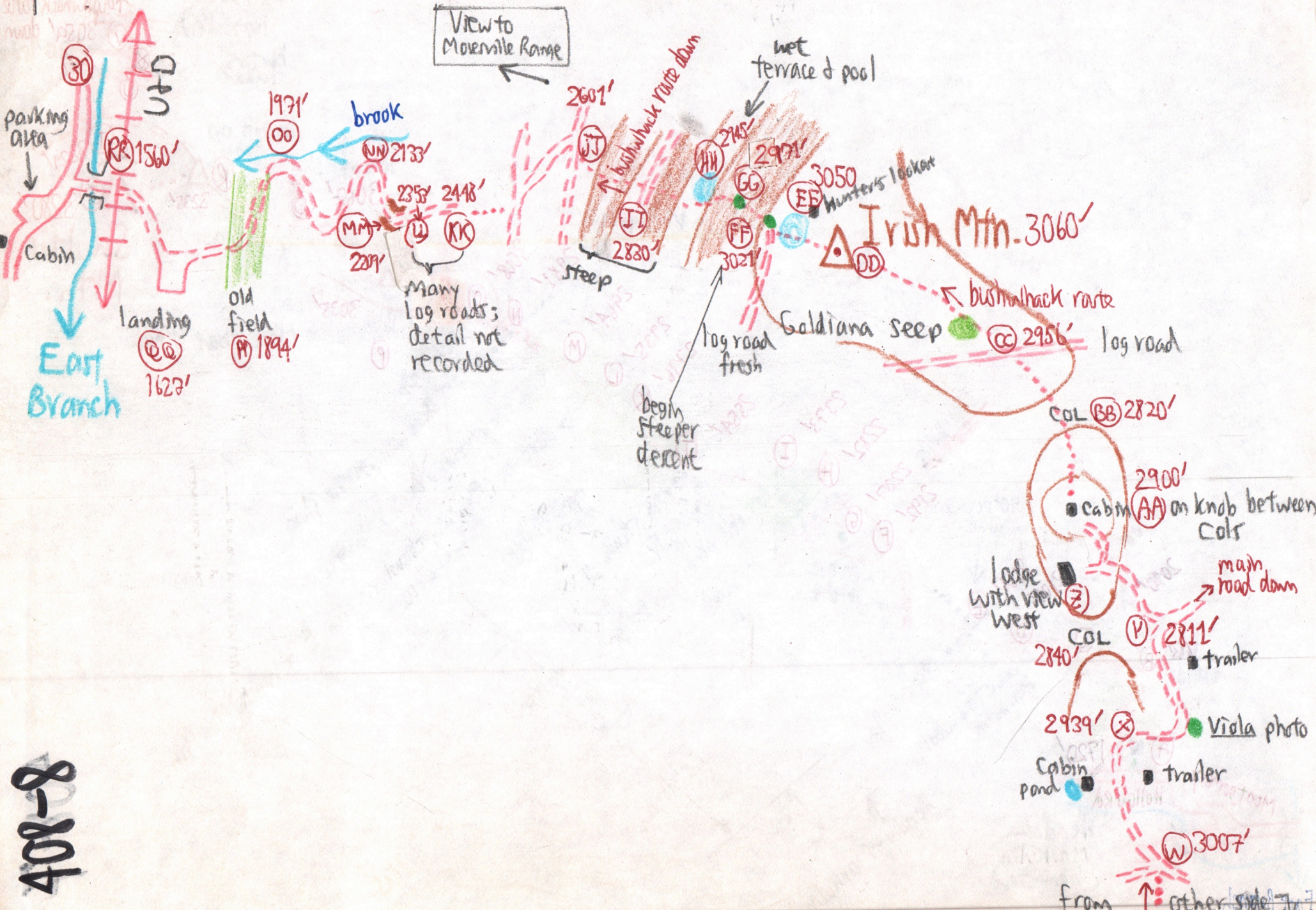
Shultice Mtn.

Continued over \rightarrow



408-07

Irish Mtn-



408-8

Floras

408-9

| Spp. | Shultice | Irish | (N) |
|---------------------|----------|-------|--------------|
| SUG | ✓ | ✓ | ✓ |
| B | ✓ | ✓ | ✓ |
| RM | — | — | ✓ |
| PB | — | — | ✓ |
| BC | ✓ dom | ✓ dom | ✓ dom |
| MO | — | ✓ | — |
| VA | ✓ | ✓ | — |
| CHC | ✓ | — | — |
| AA | ✓ | ✓ | — |
| Ox | ✓ | ✓ | — |
| AN | — | ✓ | — |
| PCTLI | ✓ | ✓ | — |
| TB | ✓ | ✓ | — |
| RA | ✓ | ✓ | — |
| SM | ✓ | — | — |
| MC | ✓ | ✓ | — |
| ERY | ✓ | ✓ | ✓ |
| VV | — | ✓ | — |
| TE | ✓ | — | — |
| SMILACINA | — | ✓ | — |
| LL | — | ✓ | — |
| \$ | — | ✓ | — |
| DP | — | ✓ | ✓ open woods |
| <u>OAK seedling</u> | — | ✓ | — |

More spp.

- E white pine — C PP
- Red pine plantation — H to I
- OAK — C D E F I K AA BB one OAK to 36" at (E) but not old.
- ASH — C O BB CC GG
- PB — D E G H R OO
- BASS — D
- OST — E F BB HH
- SHAG — G
- TASP — H
- AMEL — K
- RM — N
- MM — U to V
- DIERVILLA — J
- RG — U to V, FF
- VLASS — M to N
- AZALEA — M to N
- BUTTERNUT — CC
- CARP — HH
- PCTLI — P
- RA — P } open woods
- RS — R }
- CORYDALIS? — I may be a garden escape, not sempervivens.
- CRAT — G PP
- CX PENN? — I
- ALLIUM — V and common DD to OO
- ERY
- VIOLA SORORIA? — X
- VC-HYDRO-IMP-LSP-EUP-ALIF-TIAR
- PREN-CISMO — BB sub dom + BC
- AQUILEGIA — H
- D GOLDIOWA } CC
- P BRAUNTI }
- CINN- INTERRUPTED FERN — EE
- UVUL — EE
- SPHAGNUM — EE
- CHELONE - SPIRAEA LIT-SOLTD GRAM — HH
- ONOCLEA — HH
- ASTRELYP — II
- VV — HH DD

SORB — HH Seedling, U

HEM — PP

Forest History 408-10

estimates Soil Stoniness

(D) Owner of property adjacent to Hendry-Mankulm logged in 2001 & hauled logs down through Mankulm's.

80 year oak stump = 36" DBH at 3 ft up
dbh? → 90 year oak stump. Tree #98

- (FF) 40% stone BC
- (II) 30% sub dom
- (MM) 25% in big till cut

(H) to (I) Red pine plantation ca-1960. Clouds of pollen on forest floor.
{ 35 year old pine stump cut 15 y ago confirms 1960. No dbh. No graph.

(I) to (J) Stumps of 2 ages, 5y & 40y (photo). ∴ Logging late 1990s and in 1960s.
Sugarbush of SUGs 55y x 12" DBH. Oaks graded to promote sub growth?

(R) Stumps 5 & 40y. Tree #56

(S) MULTICE SUMMIT: Stumps 40y & 25y? One BC 17" diam, age when cut 85y
Canopy 40' x 20" BC dom, sub common

(BB) Stumps 30y

(DD) IRISH SUMMIT. Very few 30y stumps. Tree 18" x 40' max. } logging 1970s

(FF) 22" stump BC cut in 2002, 75y; also 30y stump.

(II) 30y stumps & fresh ones. Tree #28

(PP) barbed wire fence + CRAT + Ewh pine = old pasture

From (JJ) down to (RR) is a network of fresh log roads. See MK field notes with Jack Brevhert for Jump Hill, ^{aka} when logging was active for date. 1998, May 13
See p 49-5

(S) & (DD) Shultize & Irish Summit are minimally disturbed with only a few highgraded stumps. Original veg. still intact. BC dom, with many B and several SUG. Boreal ground cover.

(F) DAK with OST understory

(N) last stone wall. Forest never cleared for pasture above here.