

# SLIDE MTN. FERN ELEVATIONS

161 - 45

VIA KNOB 3160' AND WINNISCOOK CLUB

"COMPASS" barometer 11/5/15 with Tom Clark

| site                    | p     | Δp   | Δe   | e calc | e map | time          | R <sub>1</sub> |
|-------------------------|-------|------|------|--------|-------|---------------|----------------|
| (A) Winnissock garage   | 29.10 | 0.00 |      |        | 2660' | 9:40          |                |
| (B) till divide         | 28.92 | 0.18 | 159  | 2820   | 2770' | highest cabin |                |
| (C) base of Steps Trail | 28.98 | 0.12 | 106  | 2766   | 2740' | 10:23         |                |
| (D) Hemlock lookout     | 28.80 | 0.30 | 265  | 2925   | 2950' | 10:35         |                |
| (E) Knob 3160'          | 28.55 | 0.55 | 486  | 3146   | 3160' | 11:15         |                |
| (F) fir grove lower     | 28.28 | 0.82 | 725  | 3385   |       | 11:50         |                |
| (G) Dutcher well        | 28.07 | 1.03 | 911  | 3571   | 3570' | 12:05         |                |
| (H) Lookout             | 28.01 | 1.09 | 964  | 3624   |       | 12:20         |                |
| (I) Crevice, top of     | 27.92 | 1.18 | 1043 | 3703   |       |               |                |
| (J) SW corner           | 27.88 | 1.22 | 1078 | 3738   |       |               |                |
| (K) Jo. Truck Trail     | 27.79 | 1.31 | 1158 | 3818   | 3780' | 12:40         |                |
| (L) June-C-O trail      | 27.63 | 1.47 | 1299 | 3959   | 3960' |               |                |
| (M) blowdown            | 27.60 | 1.50 | 1326 | 3986   |       | 1:00          |                |
| (N) Top of landslide    | 27.40 | 1.70 | 1503 | 4163   |       | 1:20          |                |
| (O) Summit Slide        | 27.38 | 1.72 | 1520 | 4180   | 4180' | 1:25 to 1:45  |                |
| → at fire tower site    |       |      |      |        |       |               |                |
| (A) Winnissock garage   | 29.00 |      |      |        |       | 3:40          |                |

(A) to (O)  
 $\frac{4180' - 2660'}{29.10' - 27.38'}$   
 $= \frac{1520'}{1.72''}$   
 $= 0.884 R_1$

More timetable on descent: Lv-summit (O) 1:45, (K) 2:11, (H) 2:23, (A) 3:40.

On ascent: Pass (A) between (B) + (C) = 10:04, log road up S bank of W Br Nevernink 10:10. 11:35 return to trail, 11:36 stump

Flora of Knob 3160' (E) Summit: RM + BC both to 23'; YB + HEM dom on W shoulder at Lookout (D) - both old; VA, bracken, fir, B, YB, BC on summit to 16' x 40' max. approx. Blaze over the summit, but S of col. On summit, blaze crosses an open DP glade. Both \$\$.

(FF) trail on bedrock flat with hardwood dominance above fir grove (F). Then why is fir grove here if soils are no shallower? Chance hardwood blowdown replaced by fir? Soils study needed

"ANSCO" Barometer

20.1 miles via Todd Mtn Rd.  
from 2810 to **A**.

| site     | p     | $\Delta p$ | $\Delta e$ | e <sub>calc</sub>            | e <sub>map</sub> | R <sub>2</sub>   |
|----------|-------|------------|------------|------------------------------|------------------|--|
| <b>A</b> | 29-18 | 0.00       |            | <b>R<sub>2</sub> = 1.007</b> | 2660'            | $\frac{4180' - 2660'}{29.18'' - 29.67''} = \frac{1520'}{1.51''} = 1.007$ |
| <b>B</b> | 29-00 | 0.18       | 181        | 2841                         | 2770'            |  |
| <b>C</b> | 29-10 | 0.08       | 81         | 2741                         | 2740'            |  |
| <b>D</b> | 28-85 | 0.33       | 332        | 2992                         | 2950'            |  |
| <b>E</b> | 28-68 | 0.50       | 504        | 3164                         | 3160'            |  |
| <b>F</b> | 28-42 | 0.76       | 765        | 3425                         |                  |  |
| <b>G</b> | 28-25 | 0.93       | 937        | 3597                         | 3570'            |  |
| <b>H</b> | 28-16 | 1.02       | 1027       | 3687                         |                  |  |
| <b>I</b> | 28-13 | 1.05       | 1057       | 3717                         |                  |  |
| <b>J</b> | 28-10 | 1.08       | 1088       | 3748                         |                  |  |
| <b>K</b> | 28-02 | 1.16       | 1168       | 3828                         | 3780'            |  |
| <b>L</b> | 27-93 | 1.25       | 1259       | 3919                         | 3960'            |  |
| <b>M</b> | 27-88 | 1.30       | 1309       | 3969                         |                  |  |
| <b>N</b> | 27-68 | 1.50       | 1511       | 4171                         |                  |  |
| <b>O</b> | 27-67 | 1.51       | 1521       | 4181                         | 4180'            |  |
| <b>A</b> | 29-05 |            |            |                              |                  |  |

Foggy all day until almost 3PM.

FIR FOG INTERCEPT: Observed at **M**. Trail is mainly dry under hardwoods, but where trail is under dense Fir, fog condenses on needles & branches and drops down making the trail wet. Fir drop noted at **F**, **H** to above **J**, and again above **KK**.

SUMMIT FERNS: SCAMML + DP at base of Burroughs Plaque ledge.

STNT one plant at south end of lean-to cleaning

See May 2014 notes for SCAMML south of summit around

Soils pit, pp. - In lookout opening - new popln of Solid rigora & a garter snake reported by Tom.

SOIL EXPOSURE: Fresh erosion on trail betw. east lookout ledge & Plaque. About 12" deep with 6" only very pale E horizon with a 6" bright BS horizon - maybe an Ortstem? } Tom took a photo.



# Comparison of Steps Trail Elevation Calcs.

begin 11/9/15 161-48

161-49

mean elev.

| Site on 11/5/15 hsko, pp. 161-45 to 47      | USGS           | 11/5/15 pp. 161-45 to 47<br>Tom Clark | 8/15/15 pp 161-42 to 44<br>Erik Schirmer | 5/13/14 pp 161-40 to 41<br>PassioVerStr. | 7/26/11 pp 163-32<br>John Davis | 7/27/11 pp 161-25<br>John Davis | 5/11/09 pp 165-7 to 12<br>to (E shoulder Spring)  | 10/16/90 pp 165-3 to 6<br>Cornell Col hike | n      | Σ      | (excluding USGS) |
|---|----------------|---------------------------------------|--|--|---------------------------------|---------------------------------|---|--|--------|--------|------------------|
| (A) Winnisnook Club Garage                  | 2660 USGS      | 2660                                  |  |  |                                 |                                 |   |  | (A)    |        |                  |
| (G) base of Steps Trail                     | 2740 USGS      | 2766, 2741                            | 2717 (B)                                 |  | 2710                            |                                 | (FF) 2718 (GG) 2740                               |  | (G) 6. | 16492  | 2749             |
| (D) Hemlock lookout in 1°                   | 2950 USGS      | 2925, 2942                            | 2950 (C)                                 |  | 2920                            |                                 | (EG) 2925 (FF) 2927                               |  | (D) 6. | 17589  | 2932             |
| (DD) Spring                                 |                |                                       |  |  |                                 |                                 |   |  |        |        |                  |
| (E) Knob 3160 summit                        | 3160 USGS      | 3146, 3164                            |  |  |                                 |                                 |   |  | (E)    |        |                  |
| (EE) Col 3140                               | 3140 USGS      |                                       | 3120, 3149 (D)                           |  |                                 |                                 | (C) > 3095 (FF) > 3096<br>(M) 3378 (G) > 3424 (E) |  | (EE)   |        |                  |
| (F) lower fir grove                         | —              | 3385, 3425                            | 3406 (F)                                 |  | 3413                            |                                 | (M) 3378 (C) = 3362                               |  | (F) 6. | 20369  | 3395             |
| (FF) upper fir grove                        | —              |                                       |  |  |                                 |                                 |   |  | (FF)   |        |                  |
| (G) Dutcher's well at base of Lookout ledge | 3570 USGS      | 3571, 3597                            | not found                                |  |                                 |                                 | 3585'   |  | (G) 3. | 10753  | 3584             |
| (H) Top Lookout ledge                       | —              | 3687, 3624                            | 3597 (H)                                 |  | 3625', 3600                     |                                 | 3661' (2) 3540'                                   |  | (H) 7. | 25334  | 3619             |
| (I) Top crevice ledge                       | —              | 3713, 3703                            | 3650 (I)                                 |  | 3702', 3717'                    |                                 | 3   |  | (I) 5. | 18485  | 3697             |
| (J) Hightop steps on ledge                  | —              |                                       |  |  |                                 |                                 | (W) 3717'   |  | 1.     |        |                  |
| (J) SW corner                               | —              | 3798, 3738                            | 3692 (J)                                 |  | 3730' 3710                      |                                 | (V) 3736' (V) 3718'                               |  | (J) 7  | 26072  | 3725             |
| (JJ) sub steep                              | —              |                                       |  |  |                                 |                                 | (H) 3774 to 3795                                  |  | (JJ) 2 | 7569   | 3785             |
| (K) Junc. Truck trail                       | 3780 USGS      | 3818, 3828                            | {3798 (K):<br>3821                       |  |                                 |                                 | (I) 3831, 3802 (B) 3807'                          |  | (K) 7. | 26705  | 3815             |
| (KK) shrub thicket; upper end               | —              |                                       |  |  |                                 |                                 | (U) 3857, 3859 (E) 3920                           |  | (KK) 3 | 11636  | 3879             |
| (L) Junc. Curtis-Dymber                     | 3960 USGS      | 3959, 3919                            | 3862 (L)                                 |  |                                 |                                 | (J) 3947, 3934                                    |  | (L) 5  | 119621 | 3924             |
| (M) blowdown                                | —              | 3986, 3969                            |  |  |                                 |                                 | (K) 3981'   |  | (M) 3. | 11936  | 3979             |
| (N) N lookout (landside)                    | —              | 4171, 4163                            | 4158 (N)                                 |  |                                 |                                 | (O) 4152  |  | (N) 4. | 16644  | 4161             |
| (O) Summit Slide Mtn                        | 4180 USGS      | 4180                                  | 4180 (O)                                 |  |                                 |                                 |   |  | (O)    |        |                  |
| ADD = Sawbur ledge                          | (EE) 4180 USGS |                                       | (E) 3236,<br>(E) 3328                    |  |                                 |                                 |   |  | (EE)   |        |                  |

No barometer carried

ledge is only 3619-3584 = 35 ft high?