

Ground Cover is noticeably lacking through-

out Tremper although shade is not intense. Where it is abundant, veg. covers local springy areas with water moving downslope, especially at & above the new lean to (2100' to 2200'). Here, EUP RUB is profuse, but wilting during a dry period around the glade maxima. Other spp. are GAL, ADIV, PILEA, GERANIUM ROBT. under SUB-ASH-YB-OAK.

It seems that areas with low ground cover are very rocky - bouldery with air spaces abundant. Soil must have low water retention.

Oddly, the big ravine at the base also has nil ground cover (why?).

Local sedge patches can cover nearly an acre.

Tree Dist'n & Stand History

Log/bark/quarry roads permeate to 1820'. Following 19th Century disturbance, pioneers were:

- ROAK (all elevs)
- ASH (to ca. 1500)
- PB widely scattered, with groves at 2400' and 1530'. E. WHITE PINE at 1950', 2210', 2430'.
- BB to 2210'.
- RM throughout

These pioneers are being replaced by now:

- SUB to 2600', except very summit. To 10' at 2500'
- B throughout, to summit
- NEM throughout, except very summit. To 12' Not summit
- YB " to summit
- BC on crest above 2500'.

OAK is reproducing by occasional replacements. OST to summit

Understory: MO throughout
CARP on lower slopes on WELL-DRAINED sites.
Ilex montana (1 sta.)

- MM at 2400'.
- NAM to 2400'.
- MELANREL at 1500', 1700'.

CHESTNUT OAK grove at 1730+ 1760 ft. Acorns coll.

- BUTTENUT at 1800'.
- SMAG at 980' along ravine.
- BAW to ca. 2300'.

Quarry: On 1 to 2' of fill: OAK, SUB, ASH, etc to 11" plus BASS, STAGHORN SUMAC.

Trees to 20" at 1250' (SUB, ASH, BASS) on 3 to 4' of fill (at least) may be same age?

Sheet Erosion

How much fine material washed off slopes between deglaciation & first forest advance?

How much sheet erosion & solifluction since forestation?

Most fines have been washed out of ravines, leaving bouldery channels.

Tree Growth Rates

SUB fell below quarry. At 25' height, a 5" branch is ca. 80 years.

NEM at 1500' near quarry cut is 6" & 75 yrs, very slow growth 1st 20 yrs.

No blowdown at summit & crest. Trees break off at bole, probably because heavy snow hold roots down.

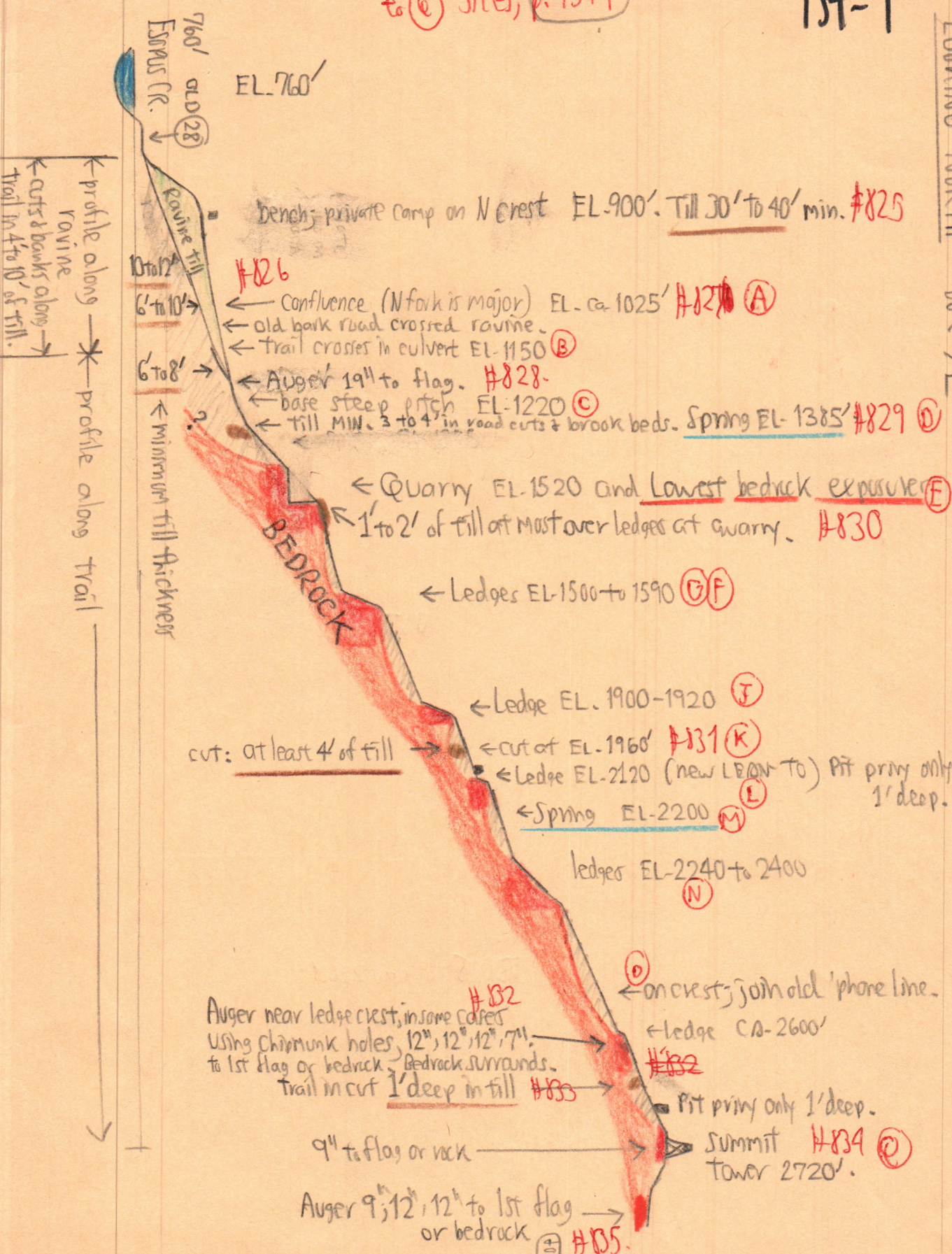
(A) Letters are 7/14/69
to (C) sites, p. 134-1

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LOOKING NORTH

W ← → E

MT. TREMPER 7/31/77 PROFILE



At old quarry, till 1' to 2' thick is chattered with flags.

Roots spread horizontally in the till.

Complete Crinoids in sandstone.

bedrock - yellow on summit + roots must grow around.

The big flags in the till. In the phenetic quarries, 2 miles NW, some roots grow horizontally in outcrop in underpinning shale layers.

VB reacts com physically SS separate boulders loose &