

# 122-2 ROMER 7/6/73 (revisited for soil relations)

1. Fallen ASH above X<sup>\*</sup> reveals mineral soil in 1/8" to 1/4" granules (∴ silt loam?), red on a wet flat.  
B.A. here measured by Prim=100 (done twice with same result), dominated by SUB, ASH subdom.
2. Shallow-rooted grand & herb spp. do not need deep mineral soil — only humus.
3. A 16" DBH hemlock has a root system 30' across, and only 2' deep, on a damp flat.
4. BA=120 with HEM-SUB-ASH dom, the repro. MO & SUB.
5. D. marginalis grows nearly on rock; the 2 or 3" of humus in a crevice is adequate.

## Descent N slope

1 dead 7" fallen PBT clump to 11" fallen  
Hem repro abund below OAK-SUB-B-YB grave slope.  
BA=130" ASH dom, Berberis Thunbergii.  
Grave of 4 Hems 20"=25" not barked?  
SMAG here.  
Wet Flat: OSMUNDA, LINDERA, OSMUNDA CLAY,  
CARPINUS  
Alt. HEM & ASH graves

ADLANTUM soil sample site: NW of & below X<sup>\*</sup>  
Wet - no rocks in 4" humus dug.  
ADIV-PA-DMARG-ARIS-  
ASH-DST-SUB seedl - CARR-BUTTERNUT BA=80  
Light 6 to 7:

6. ASH is just below HEM grave (1900') at an EAST end ↑  
30' ledge base with DST, SUB, OAK, PA/  
DMARG, VLB ACER, EUP, SUB REPRO,  
\$, MO. Lightmeter 5 to 7+ (clear day)  
Soil Sample here at PA-DMARG:  
BA ≈ 100 of OAK > SUB > ASH > DST  
Also ARIS, SOLID CAES, KLAC, ADIV,  
PCIL, VC, ROBT, CLRC, VB, HYSTRIX, HYDRO-  
Duff is mostly oak.  
Very rocky but black humus to 6"  
bottom of hole.

NO  
OX  
TB  
MC  
on  
this  
terrace

7. Nearby to (6): BA=70 with  
SUB dom, CARPINUS, MO;  
BA=130 with SUB & DRK dom.  
Light meter 6 to 7+ bright  
PIGNUT?

## Hemlock Grave 1900'

Rock dip S & W.

Shade: MC & AA under  
Hem in decks of  
lightmeter 4 & 5 in  
afternoon.  
Hyp imp? at 2 to 3

TB, MC, LVCO OBS at 7  
AA, OX in & lower at 7 1/2 but not  
under \$ or under Hem when  
it is 4.

Thin well, drained soil. Many sunny openings  
Hem dom, 6" to 12" DBH, some RM.  
Few saplings but Hem seedling more by the 1000s, yet  
NO 2-3 yr olds!  
Some RM & MO seedling but also few 2 to 3 yrs.  
BA=110 to 120. Could 1st growth have been  
much more on such a thin soil?  
HEMS are mainly prop-rooted.

8. North edge of Hem grave has RM-BC-SUB-CHC

9. OX patch found under HDWDs only, though Hem interer  
nearby. B duff, some OAK, MO, BC repro, \$, TB,  
with light 6. Also MEDEOLA, UVUL, MITCH.  
Will barek grow in BASS-ASH-SUB alone without  
acid hclwd duff?

SPHAG COLL.  
BAZZ  
OHIO

VACC ANG.  
AN  
DESIGNAPSTA

PCIL MNTUM  
RS

only VB, MITCH, DMARG wonder in from outside  
Hem grave.