

Waterfall off W Br Neverink (New:*)

Tiarella cordifolia

* Oxalis acetosella

* Thelypodium pteropteris

Viburnum alnifolium

Cystopteris fragilis

Heracleum lanatum

* Erigeron pulchellus

* Clintonia borealis

* Trientalis borealis

STAR FLOWER (Asteraceae)

* Ilex laevis

?? SMOON WINTERGREEN

* Arrelanchier Bartramiana

* Ribes lacustre - BRISTLE CULLANT

1671

Questions:

Balsam fir seemed to be more abundant on the south slopes compared to paper birch, the reverse being so on the north slopes. (Since there was more snow covering the firs on the north slope, the green needles being hidden, it is possible that from a distance one could not tell birches and firs apart, so that the north-south slope differences may not be as great.)

Possible explanations for firs tending to be on the south slope could be:

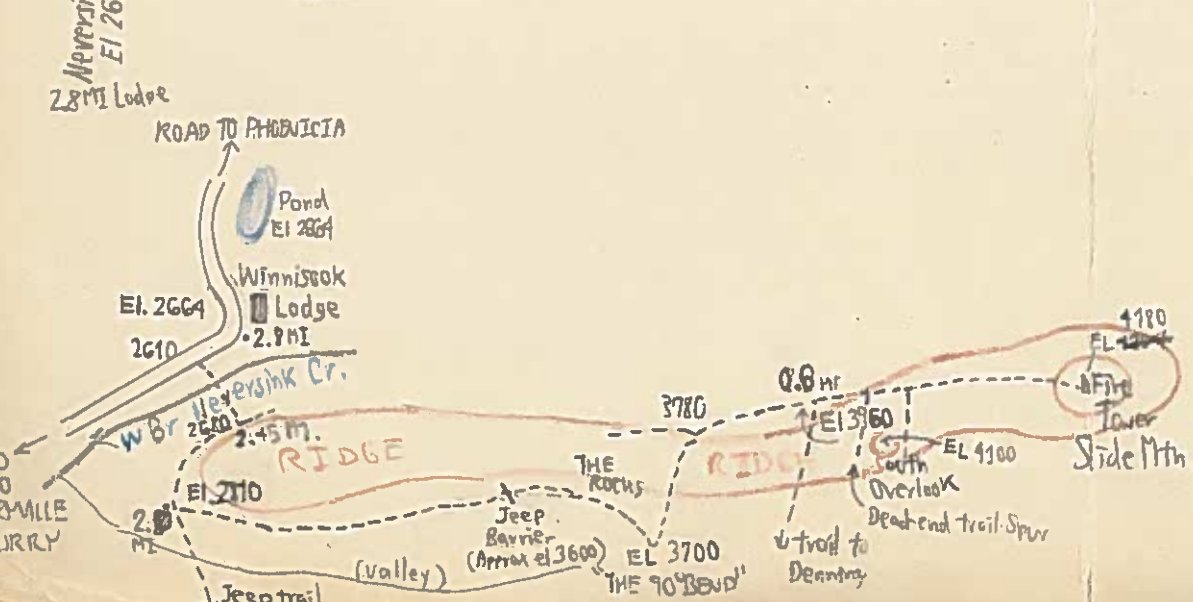
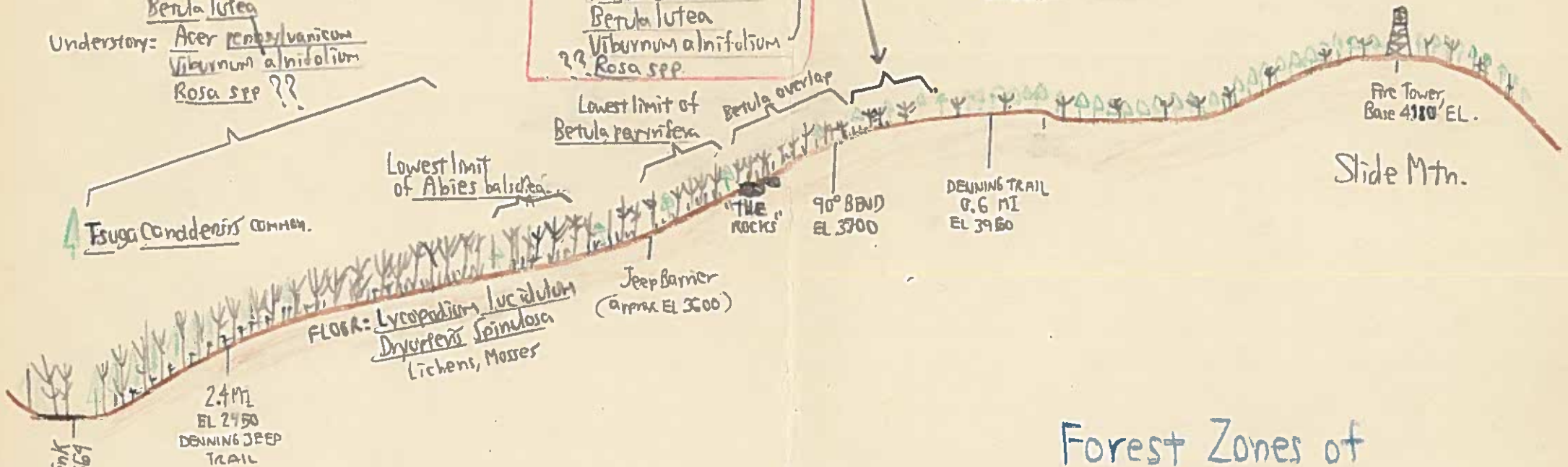
- 1) Firs on north slope had branches broken under snow weight.
- 2) Firs on south slope could make use of sun on mild days and photosynthesize, whereas for birches it made no difference in winter what slope they were on.
- 3) Fir was found lower on the slopes than paper birch, perhaps indicating a preference for warmer, less physiologically xeric situations.

Overstory: *Acer saccharum*, *rubrum*
Fagus grandifolia
Betula lutea
 Understory: *Acer pensylvanicum*
Viburnum alnifolium
Rosa spp ??

Major transition area
 UPPER LIMIT OF:
Acer saccharum
A. rubrum
A. pensylvanicum
Fagus grandifolia
Betula lutea
Viburnum alnifolium
 ?? *Rosa* spp.

Abies more on south slope
Betula on north slope more
 of ridge

Abies balsamea predominant
Betula papyrifera common
 (NONE HIGHER THAN 20-25')

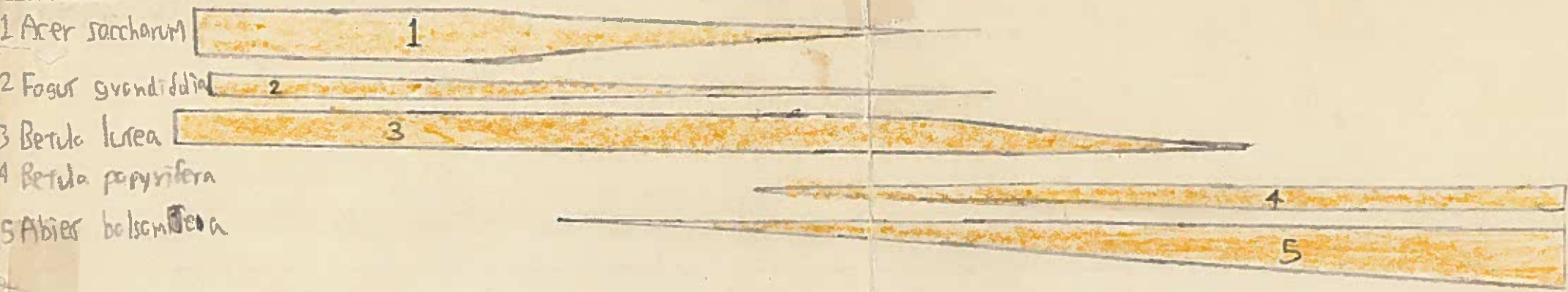


Forest Zones of
 Slide Mountain,
 Catskills, New York

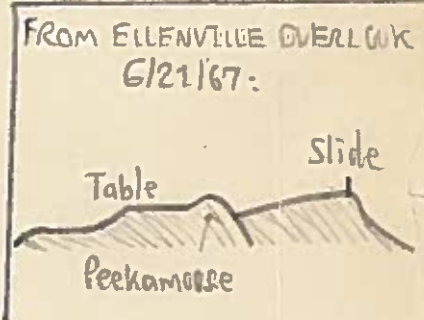
made
 4/26/65

Trip 4-18-65, Made 4-26-65

Location: B C D E F G H I 161-3
 OVERSTORY BASE 2664' TENOCE 2750' FIRST GRADE 3006' GATE 3600' CAGE RIDGE 3850' DEERHILL TRAIL 3950' LAST GRADE 4100' SUMMIT 4204'



UNDERSTORY



FLOOR

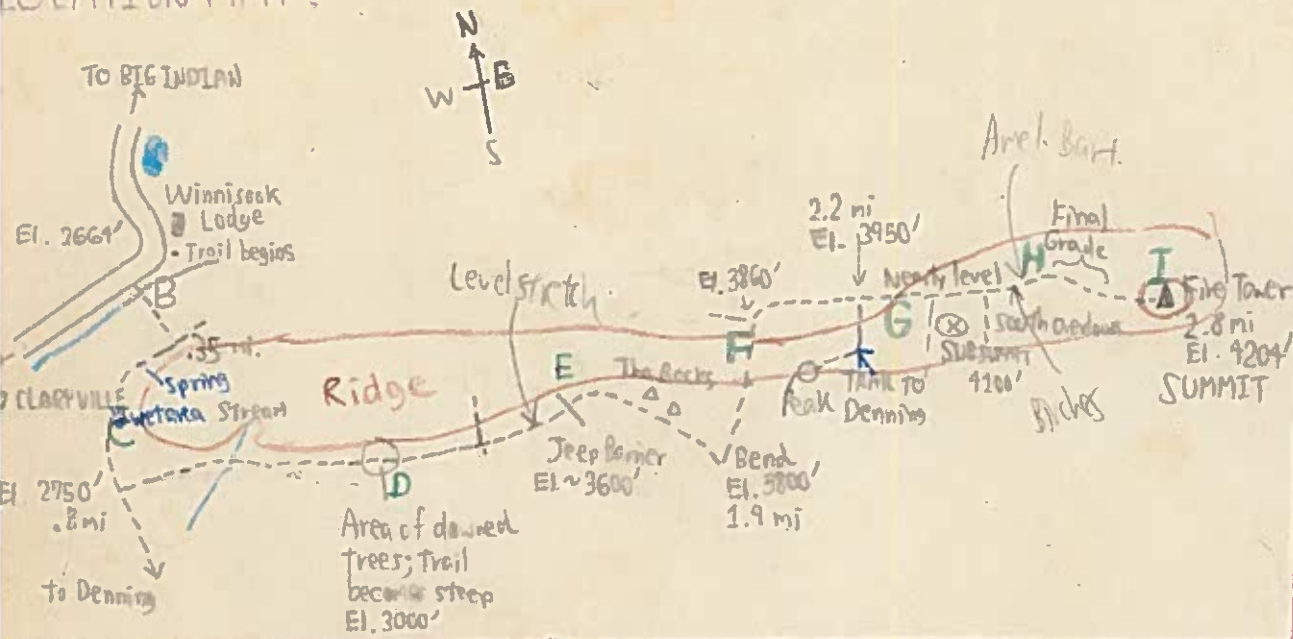


Thickness denotes abundance

FOREST ZONES OF SLIDE MOUNTAIN, CATSKILLS, N.Y.

June 20, 1965

LOCATION MAP:



Letters Denote
Sampling Stations A, B, etc.

Location F

Beech, Maple Drop out.
First Birch predominate.
Many Verbs from base present.
Hellebore flowering profusely

Location A

Tributary waterfalls into West Branch
Neversink about 2 mi north of Claryville
Mosses & Liverworts
Abundant

Thelypteris phegopteris
Tiarella cordifolia (seeded)
Oxalis acetosella (in bloom)
Viburnum olivifolium
Heracleum lanatum
Erigeron phillicellus } along road
Clintonia borealis (seeded)
Ilex laevigata (in bloom) = *montana*?
Mitchella repens
Carpinus & Ulmus near stream
Hamanelis, *Betula lutea*, *Fagus*
Tsuga, *Acer saccharum*
Dryopteris spinulosa, *Athyrium*
Filix femina, *Polypodium*
Galium, *Myrica* on stream bank.
Aralia nudicaulis (seeded)

Location B

BASE FOREST

Betula lutea, *Acer saccharum*,
Fagus, *Acer pennsylvanicum*,
Acer rubrum, *Viburnum*
albifolium, *Tsuga* young only.
Floor: *Dryopteris spinulosa*,
Oxalis, *Mitchella*, *Tiarella*, *Lapsana*
Athyrium, *Sambucus*, *Lycopodium*
lucidulum, *Aralia nudicaulis*
Veratrum viride
or: *Coptis*, *Trillium erectum*,
Arisaema, *Medeola*, *Aster acuminatus*,
Urtica (dewberry), *Lonicera canad.*

C Terrace trail

Dryopteris non eboracensis
(*Ranunculus acris*, *Vilva*, *Carex*,
Ribes lacustre - near brooks)
Veratrum flowering and common.

D

First Firs

E

Firs not rare, only to 15' tall.
Betula lutea predominant
Fewer *Acer saccharum*.
First *Betula papyrifera*

Location G

Parent Yellow mixed.
Firs predominate: *Prunus pennsylvanica*,
Sorbus americana, *Aralia nudicaulis*.
Herbs: *Dryopteris spinulosa*, *Lycopodium*
Oxalis (not flowering yet), *Aster* (not flowering
yet); *Maianthemum*, *Clintonia*, *Trientalis*
in bloom. Also *Anemone* & *Aralia*.
Viburnum albifolium, *Veratrum*.

H

No more Yellow Birch or Alder leaf Vib.
Cornus canadensis in bloom with *Trientalis*
borealis, *Clintonia borealis*, *Maianthemum canadense*
Anemone (one seen).

I - The Summit

Abies balsamifera ^{or} *Trientalis*
Betula papyrifera *Rubus* sp. g.
Aralia nud.
Cornus canadensis
Grass?
Dryopteris spinulosa
Maianthemum canadense.
Sorbus (seedling)

Diagrammatic Summary on
Reverse Side.