

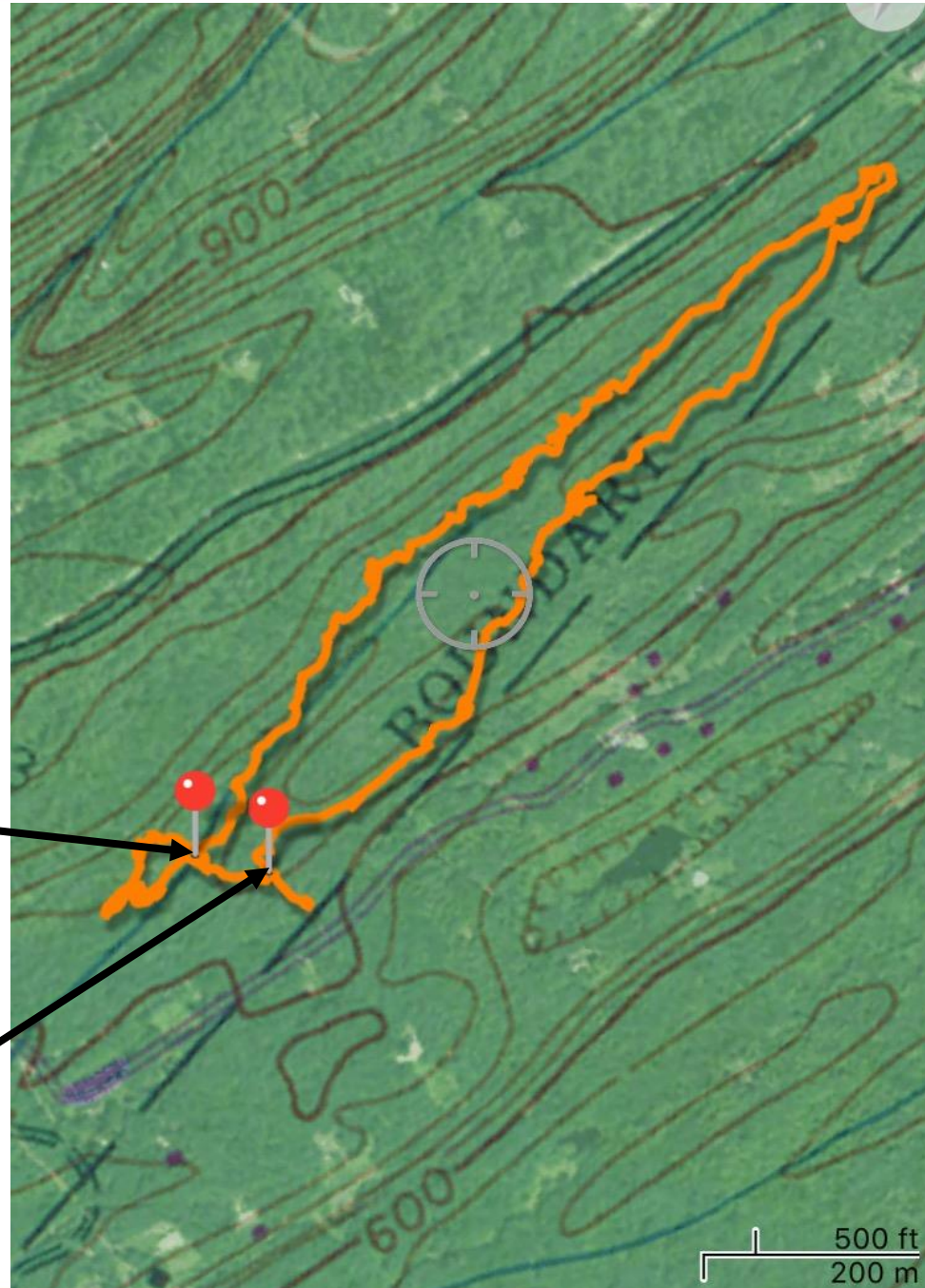


Sloan Gorge Preserve Work Plans Sloan Gorge Trail

March 3, 2017

Prepared For
Woodstock Land Conservancy

Prepared By
New York-New Jersey Trail Conference



Second fork
(turn left to
hike Quarry
Loop and
right to hike
Gorge Loop)

First fork (from
parking lot).



Work Log Item Summary

The following table contains an approximate list of the major trail construction items which will be required for this section of trail. There are other minor items which are not listed here but described in the trail construction work log below.

Item	Unit	Totals
Plan segment length	In. ft.	7192
Sidehill	In. ft.	
Stone Steps	each	
Stone Cribbing	sq. ft.	
Stepping Stones	each	
Stone Paving	sq. ft.	
Turnpike/Causeway	In. ft.	
Drainage Structures	each	
Bridges	each	
Crush Fill	cu. ft.	
Surfacing	cu. ft.	

* Work Log Item Summary is for construction estimate purposes only. Actual project accomplishments may vary.

General Trail Construction Notes

1.NYNJTC Trail Development Level: 3

- Design level details below, and this link: <https://www.nynjtc.org/sites/default/files/TrailDesignStandards.pdf>
- Trail Use Type: **Foot Travel Only**
- Trail Tread Width Range: **18" - 36"**, Where necessary, **tread definition, filling, and removal of loose rock will be preformed to keep hikers on trail and remove safety hazards.**
- Running Grade Range: **0-18%**.
- Corridor: **4'x8'**, all cuts should be flush to tree or ground. **Stumps within tread way should be removed.**
- **Deviations from Trail Development Level Standards:**

- 2.The trail layout/existing trail improvement follows the general principles of sustainable trail design with the added objective of creating an interesting, scenic, and low maintenance route.
- 3.All local stone harvesting/splitting/shaping must be done away from the trail as to not significantly alter the appearance of the surrounding area from the trail.
- 4.Safeguards should be made to protect trailside vegetation including the use of "tree bumpers."
- 5.All trailside impacted areas must be renovated with leaves, logs, and other on-site organic debris.
- 6.Visible drill holes on stone should be minimized to the extent possible with cut/split faces mixed in with natural faces.
- 7.Organic materials/duff must be removed from the ground surface before trail construction commences. These materials must be stockpiled for finishing work and trail closure purposes.
- 8.Backfill materials may be stone up to 3". To ensure proper drainage, mineral soil should not be used.

Safety Notes

- 1.Each day will begin with a safety tailgate meeting outlining environmental, flora, fauna, work, communication, site, and tool related hazards and mitigation practices.
- 2.Proper personal protective equipment must be worn by all trail workers while on the worksite including long pants, closed-toe shoes, work gloves, eye protection, and hard hats. Ear protection must be worn around power equipment. Dust masks/respirators must be worn when drilling rock.



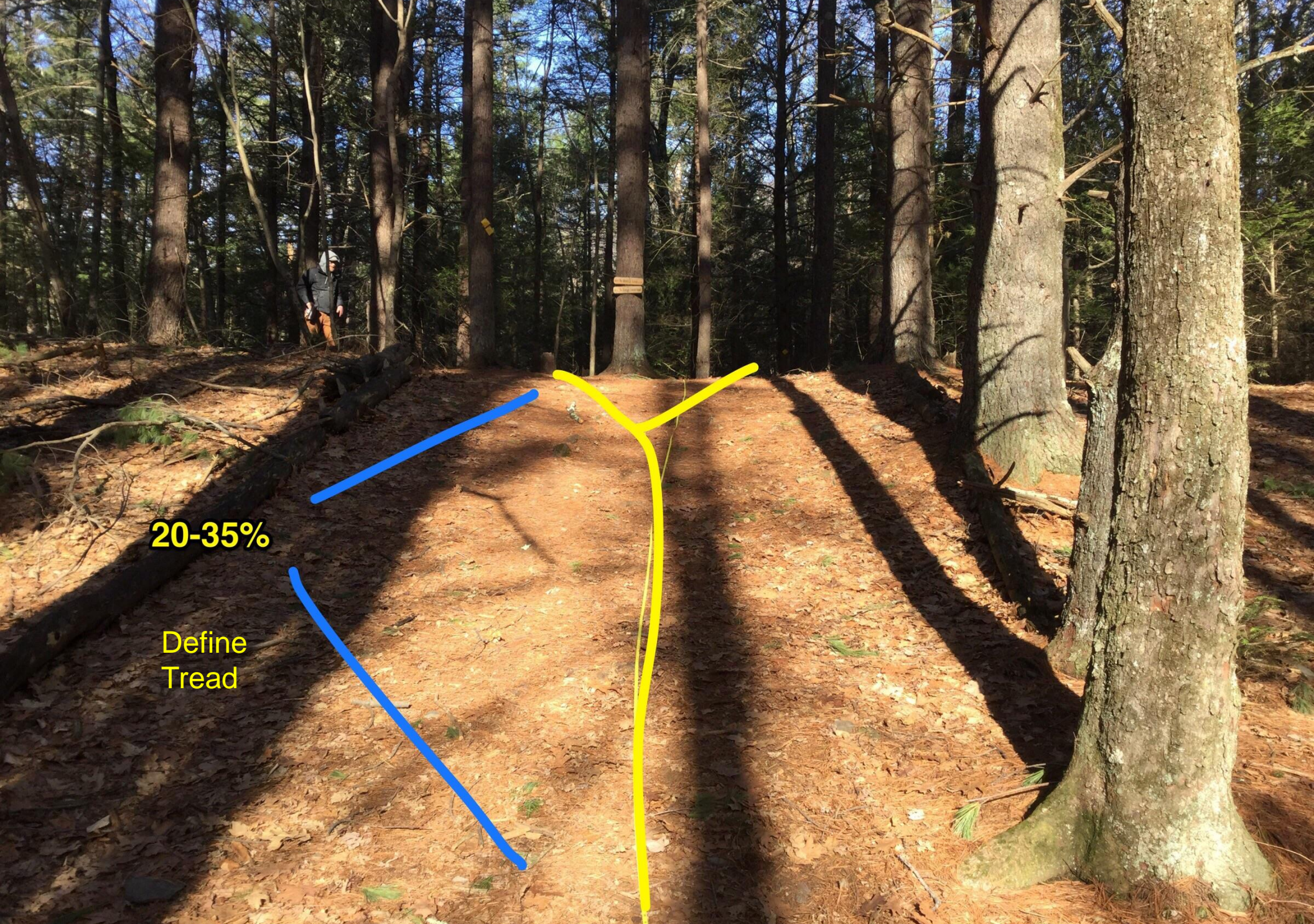
These photo references indicate the location of major work items as well as the trail centerline indicated by a solid yellow line shown in each photo.

To effectively use this trail construction work log, place yourself approximately where the photographer stood, note the trees, boulders, or other features in the photo and that will help you reference where the trail is to be built/improved. Remember you are looking at photos which are in two dimensions and the field situation is in three dimensions. In addition, expect the view to change over time given more vegetation, downed trees, etc.

Arrows point to the approximate location of the work needed, or the location of a singular structure, such as a drainage structure.

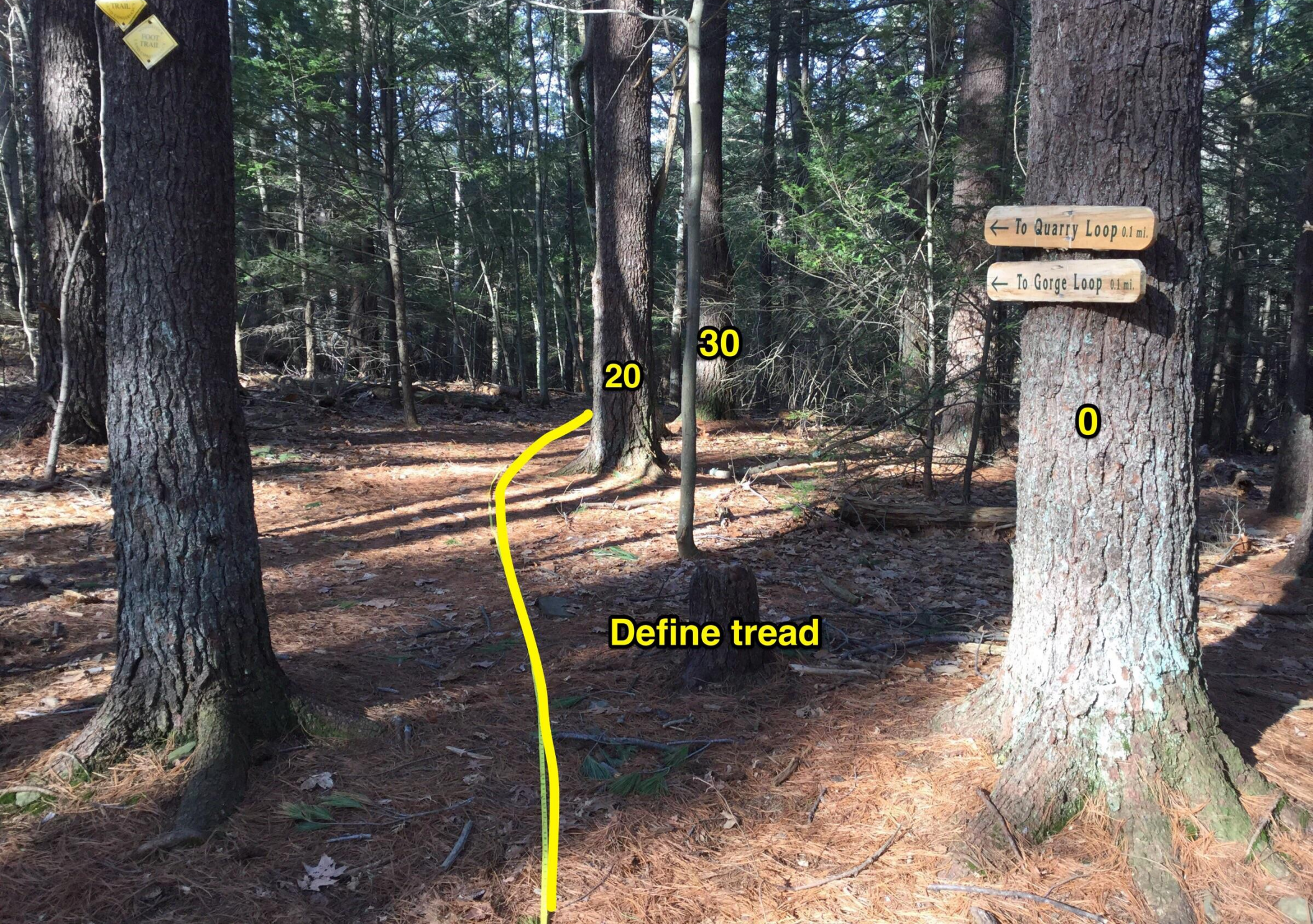
Each section to be built will be field staked or pin-flagged where needed by the trail designer prior to construction.

Note: Trail routing assumes a 50 foot corridor on either side of the centerline in which to move or realign the trail. For example, a trail might need to be realigned around a seep, large boulder, or bedrock. If the trail needs to be moved outside of the 50ft corridor due to unforeseen construction constraints, it will be brought to the land manager's attention for approval. A new work log photo with proper proof of approvals will be inserted into this document (at the end as an addendum to the slide/s in question).

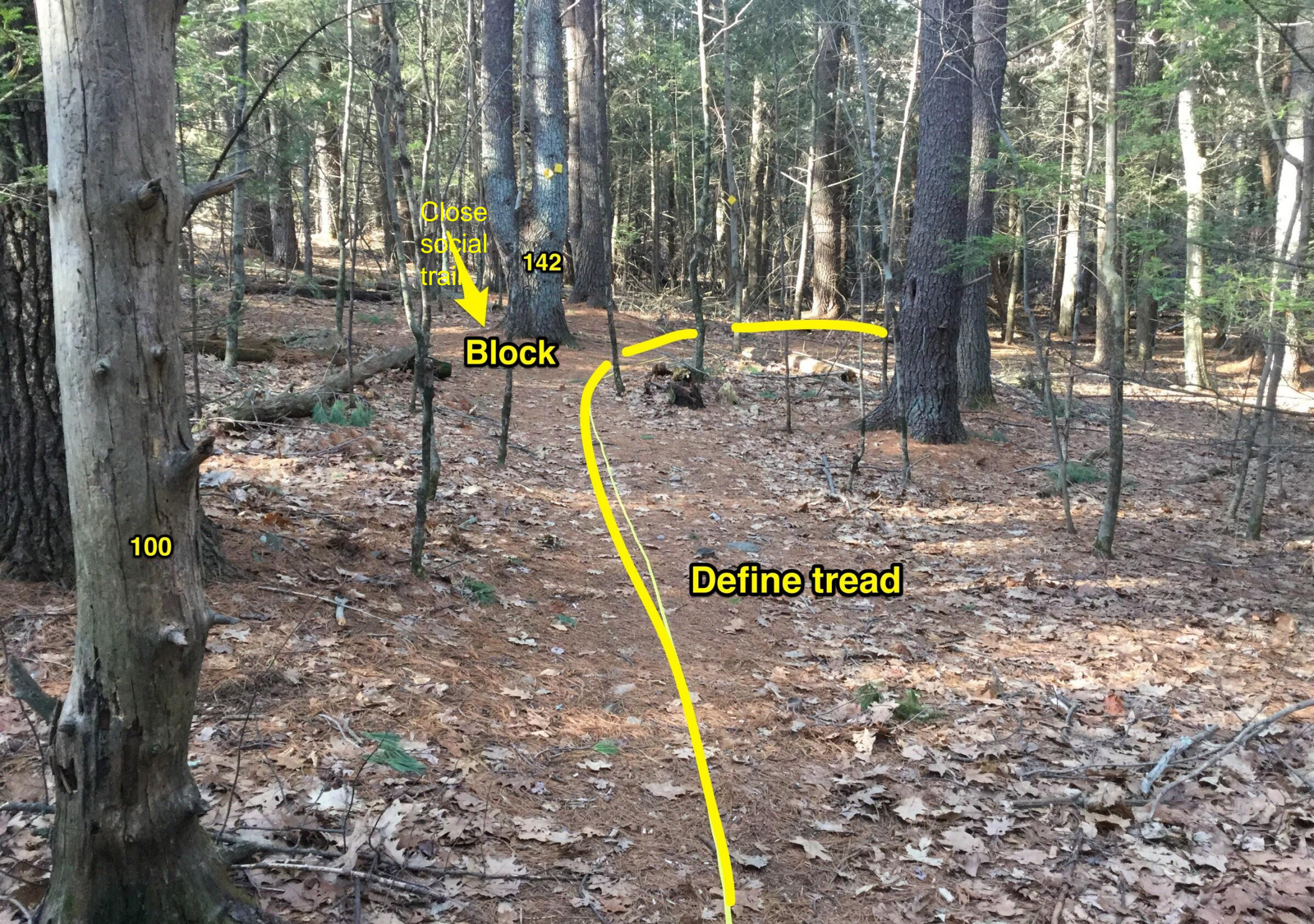


20-35%

Define
Tread







Close
social
trail

142

Block

100

Define tread



142

200

Define tread



200

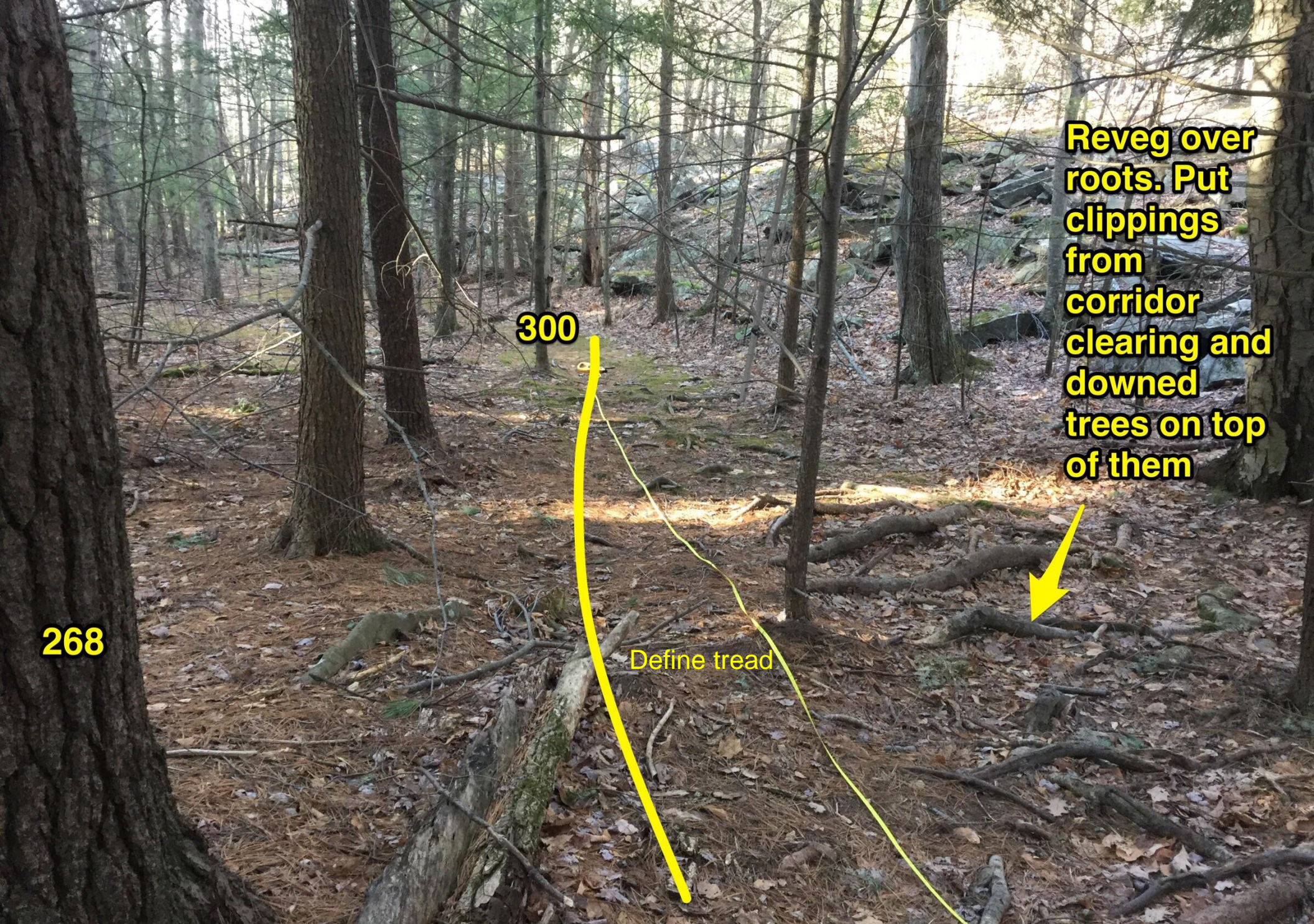
**Clear corridor to open
up new B line**

243

268

243

**Clear corridor.
Define tread**

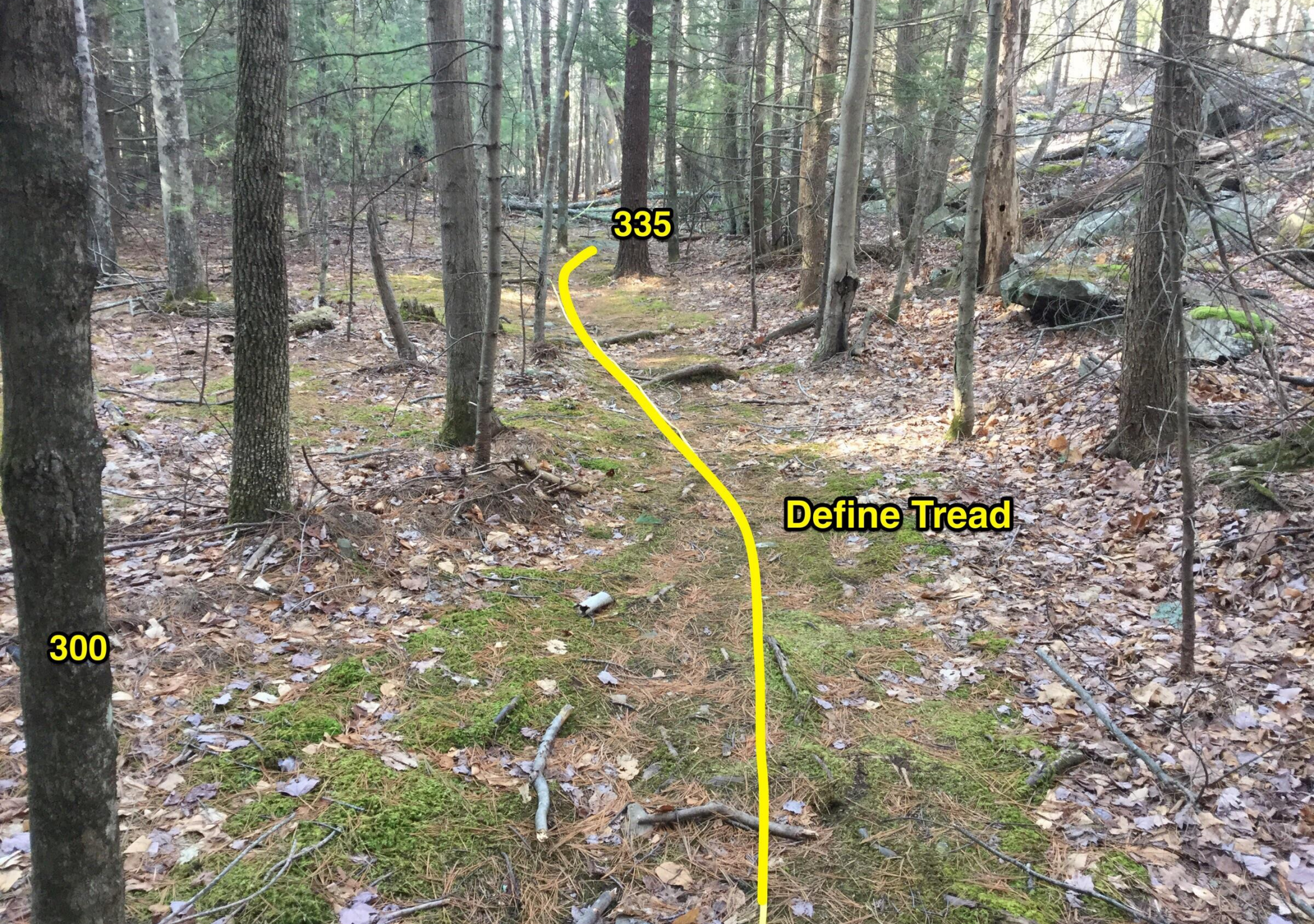


268

300

Reveg over roots. Put clippings from corridor clearing and downed trees on top of them

Define tread



300

335

Define Tread



**Clear
corridor.
Reveg over
roots.
Define trail
slightly to
the right of
current
location.**

362

395

375



395

420

450

Define tread



500

**118/500 = 24% grade
~ 20 steps, ~ 2-3' wide**

450



515

500

Block off trail just past the #1 site?

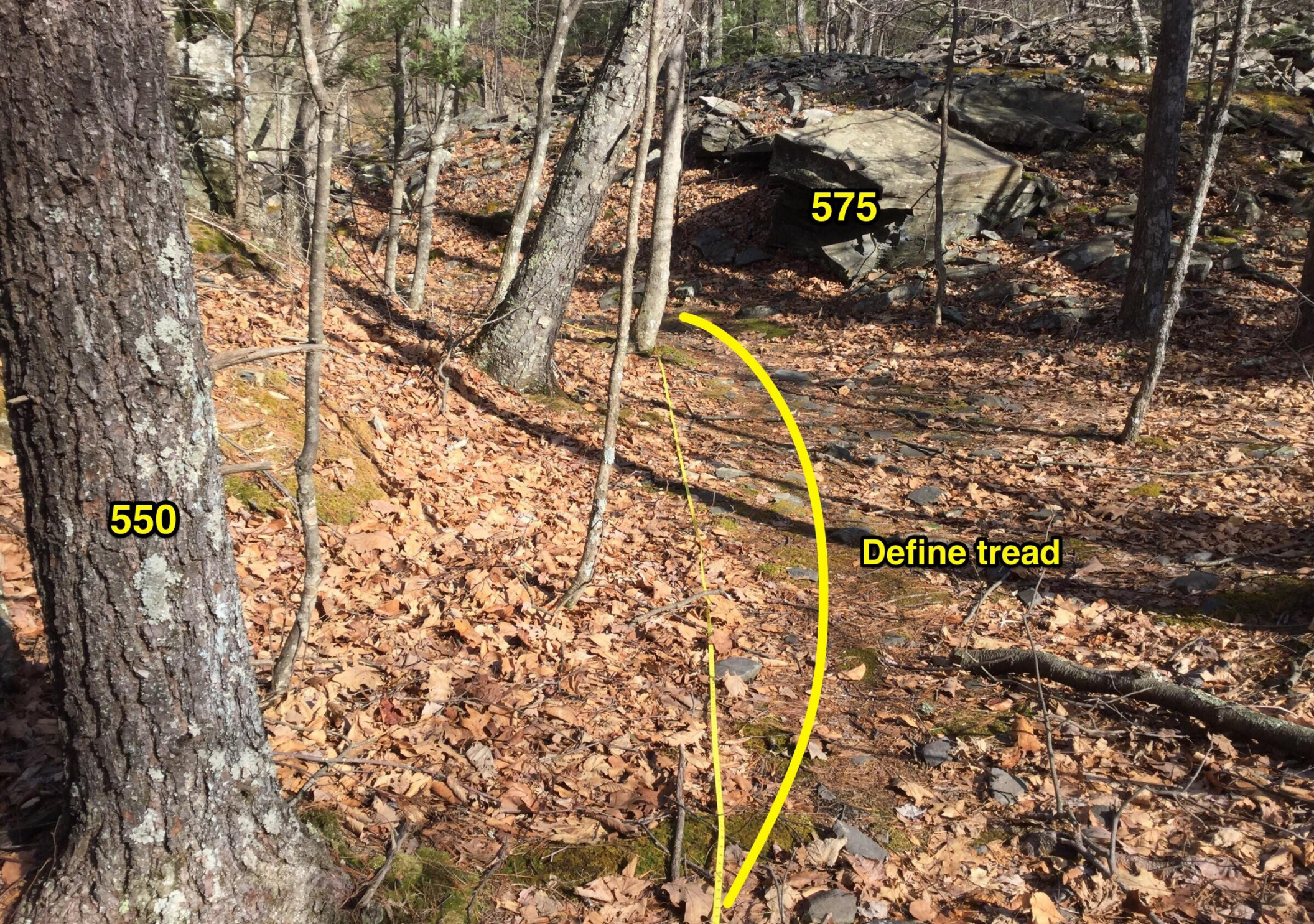




550

535

Define tread



550

575

Define tread



**Tighten up stone
armoring or build
steps?**

Steps- 53/300 (18%)

Take big rock slab and put here

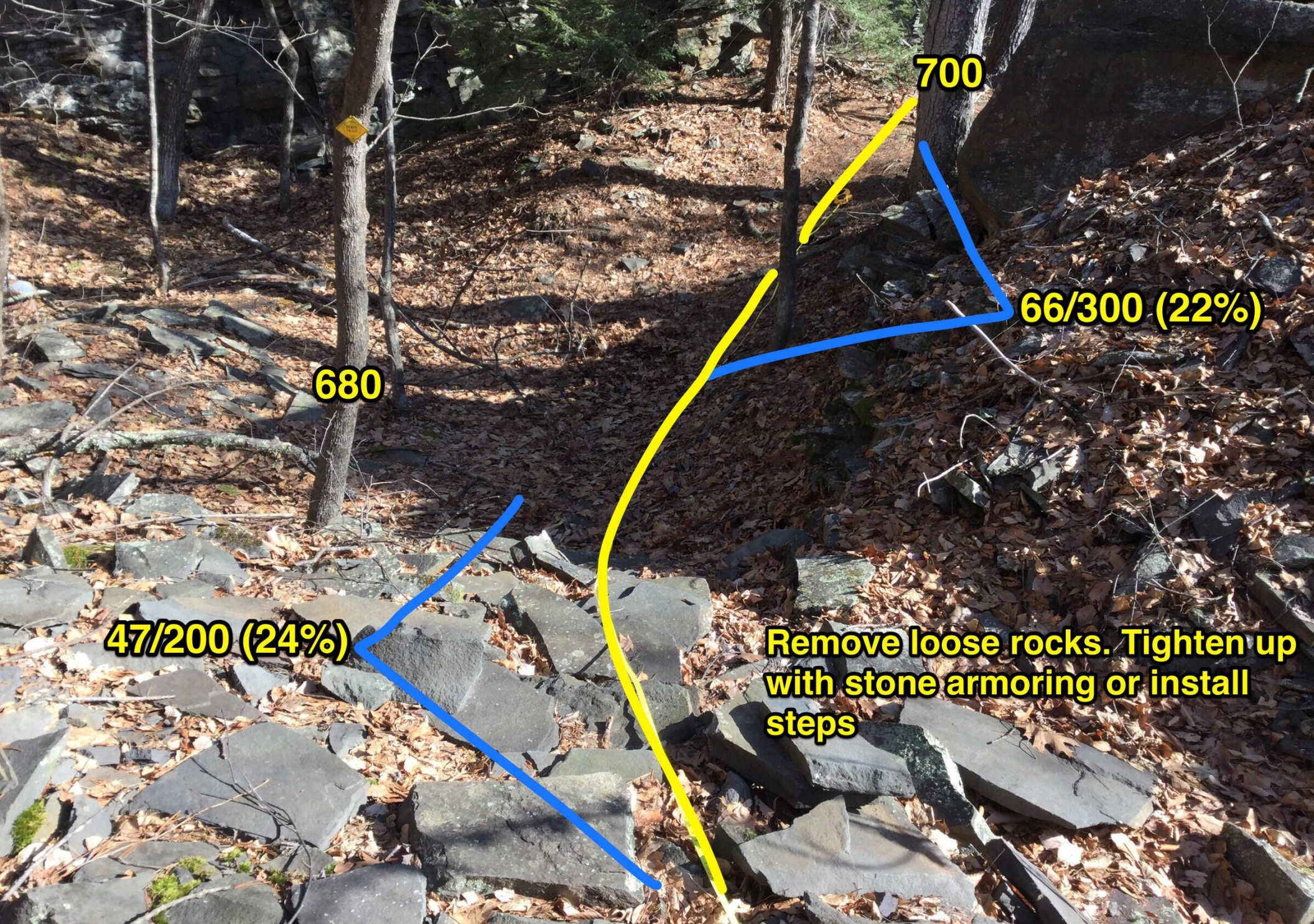
600



645

B- line- slabs/armoring

Crib with big slab/widen tread



680

700

66/300 (22%)

47/200 (24%)

Remove loose rocks. Tighten up with stone armoring or install steps



715

Block

700

715

722

745

**Remove loose
rocks/ define tread**



745

770

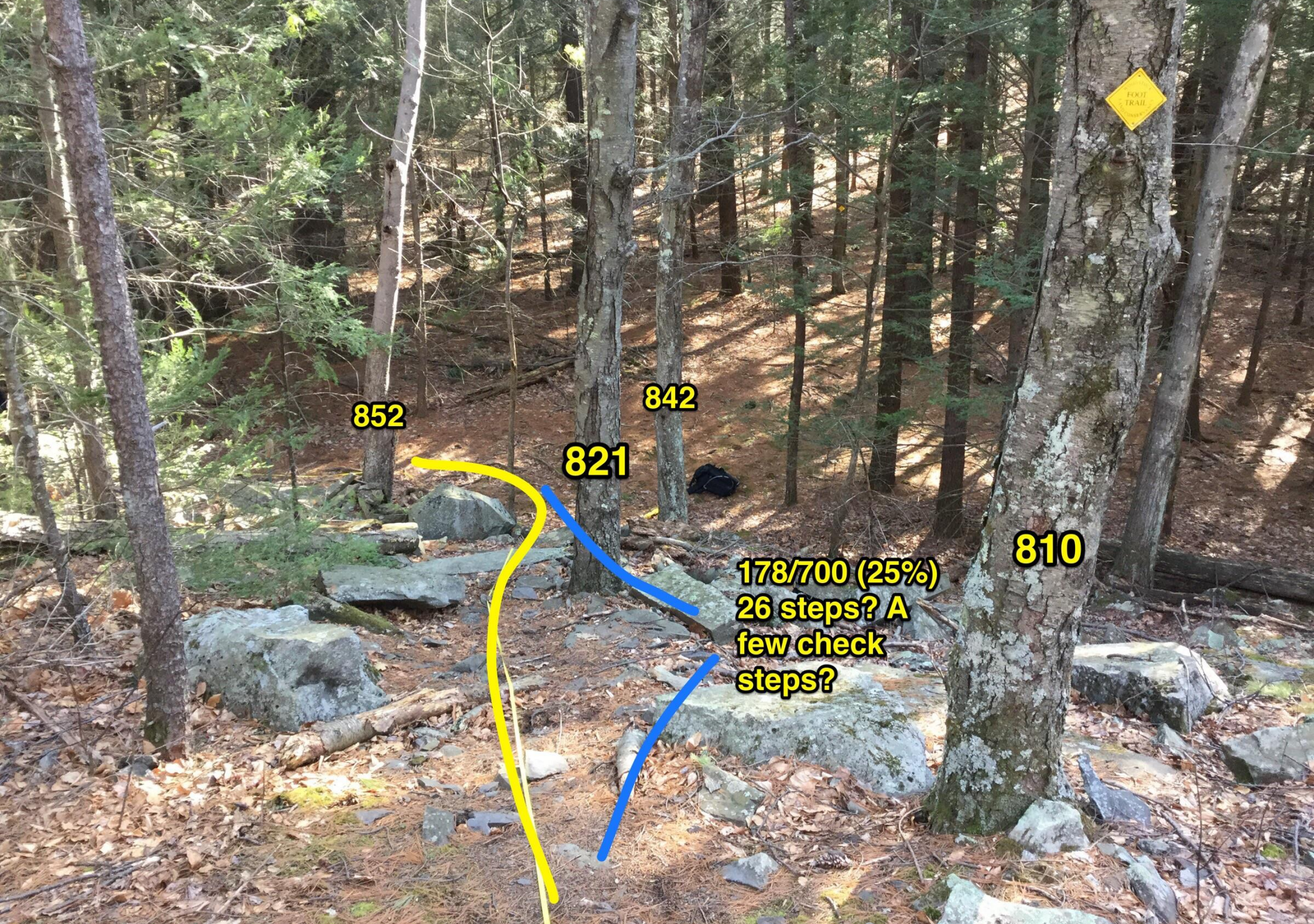
Define tread



795

770

**Remove loose rocks.
Define tread**



852

842

821

810

**178/700 (25%)
26 steps? A
few check
steps?**

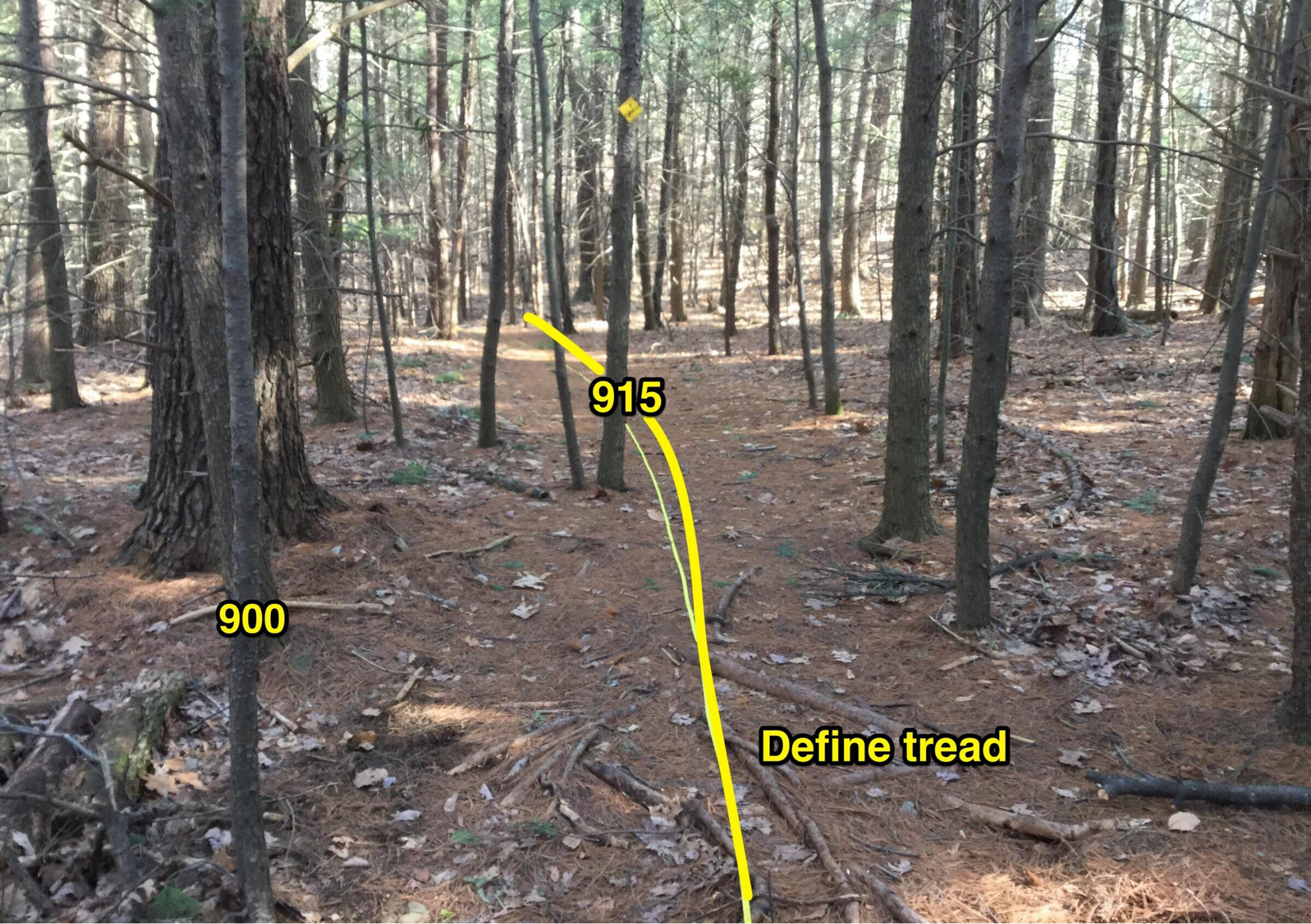




852

885

Define tread



900

915

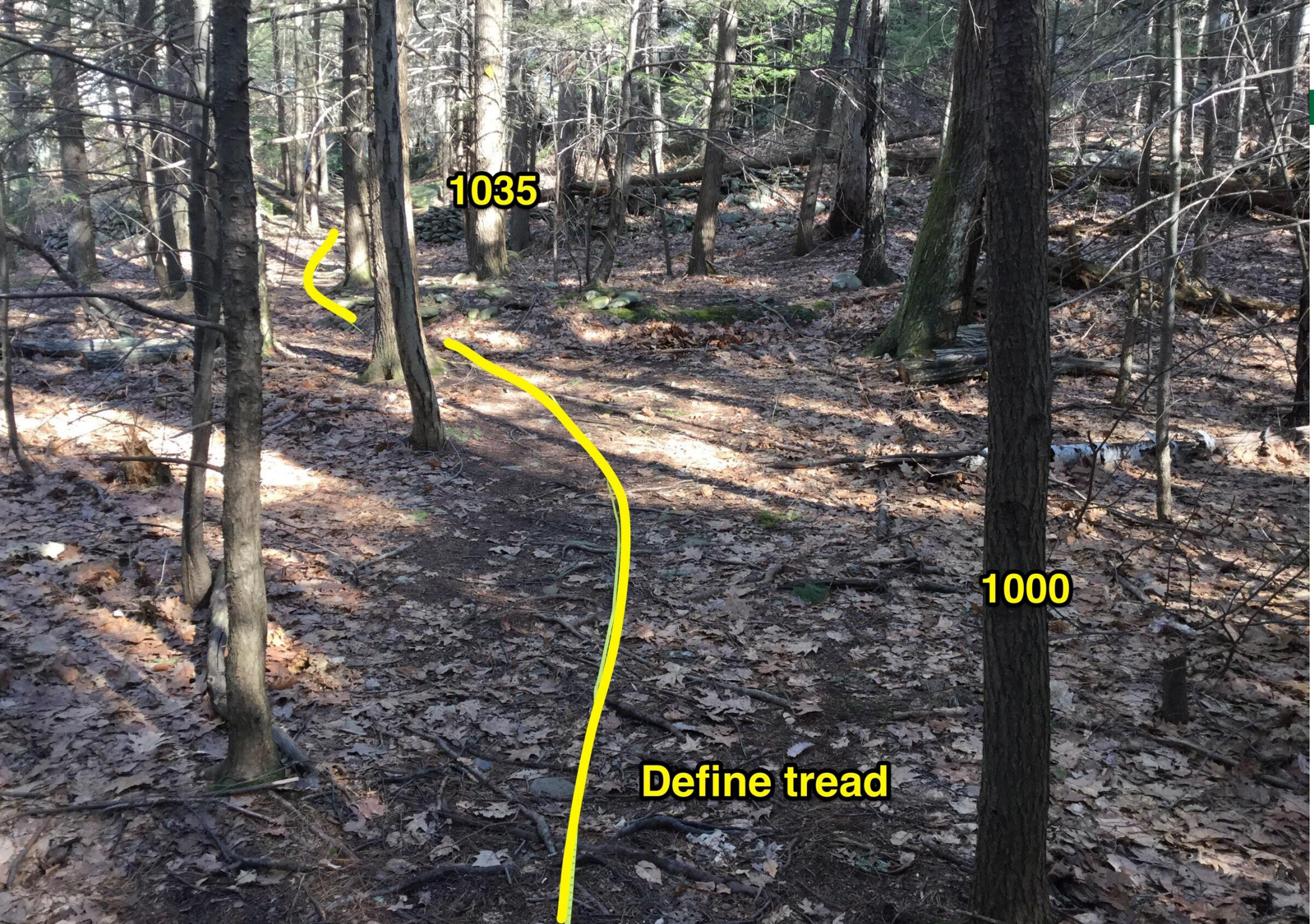
Define tread



967

1000

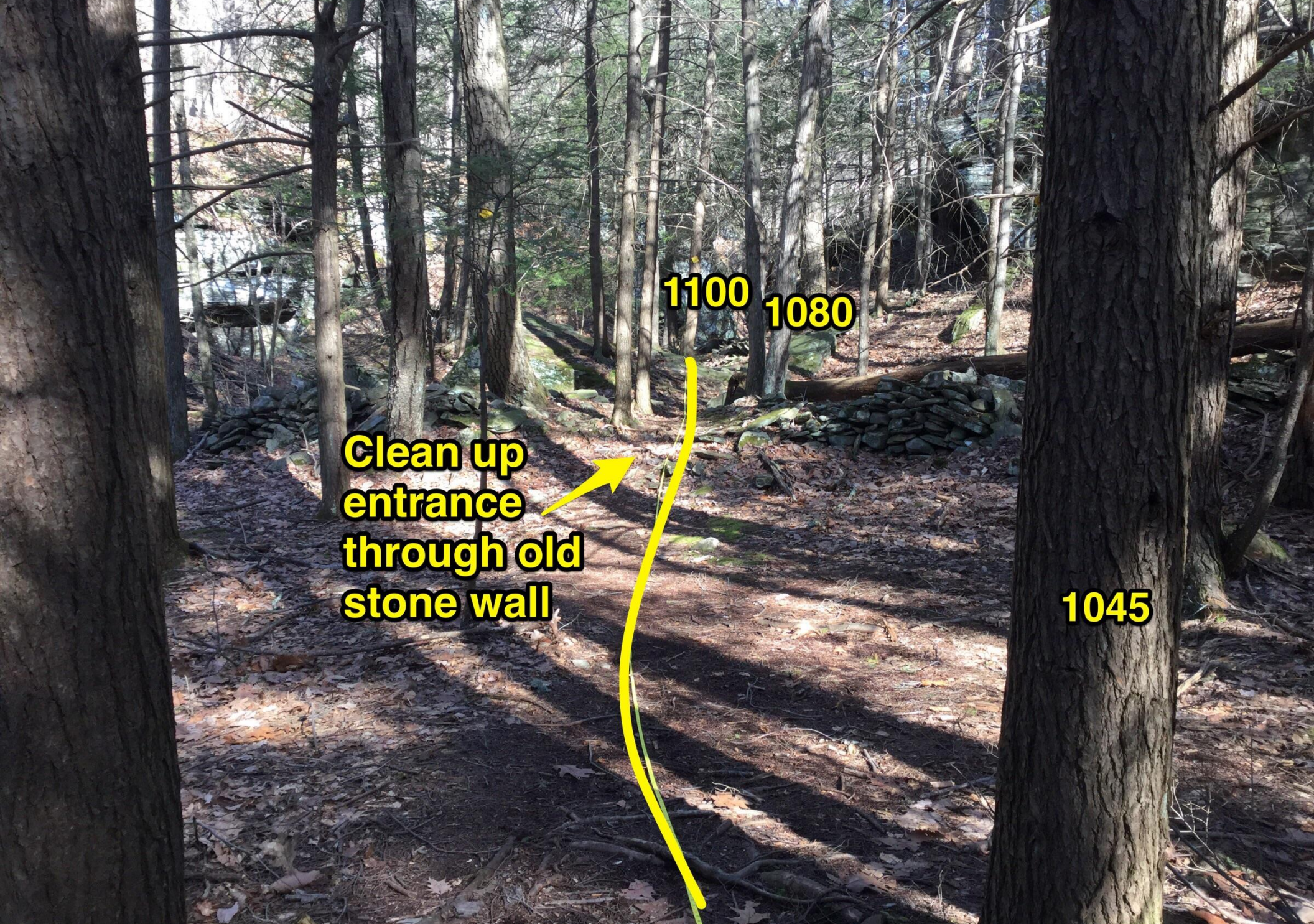
Define tread



1035

1000

Define tread



**Clean up
entrance
through old
stone wall**

1100

1080

1045

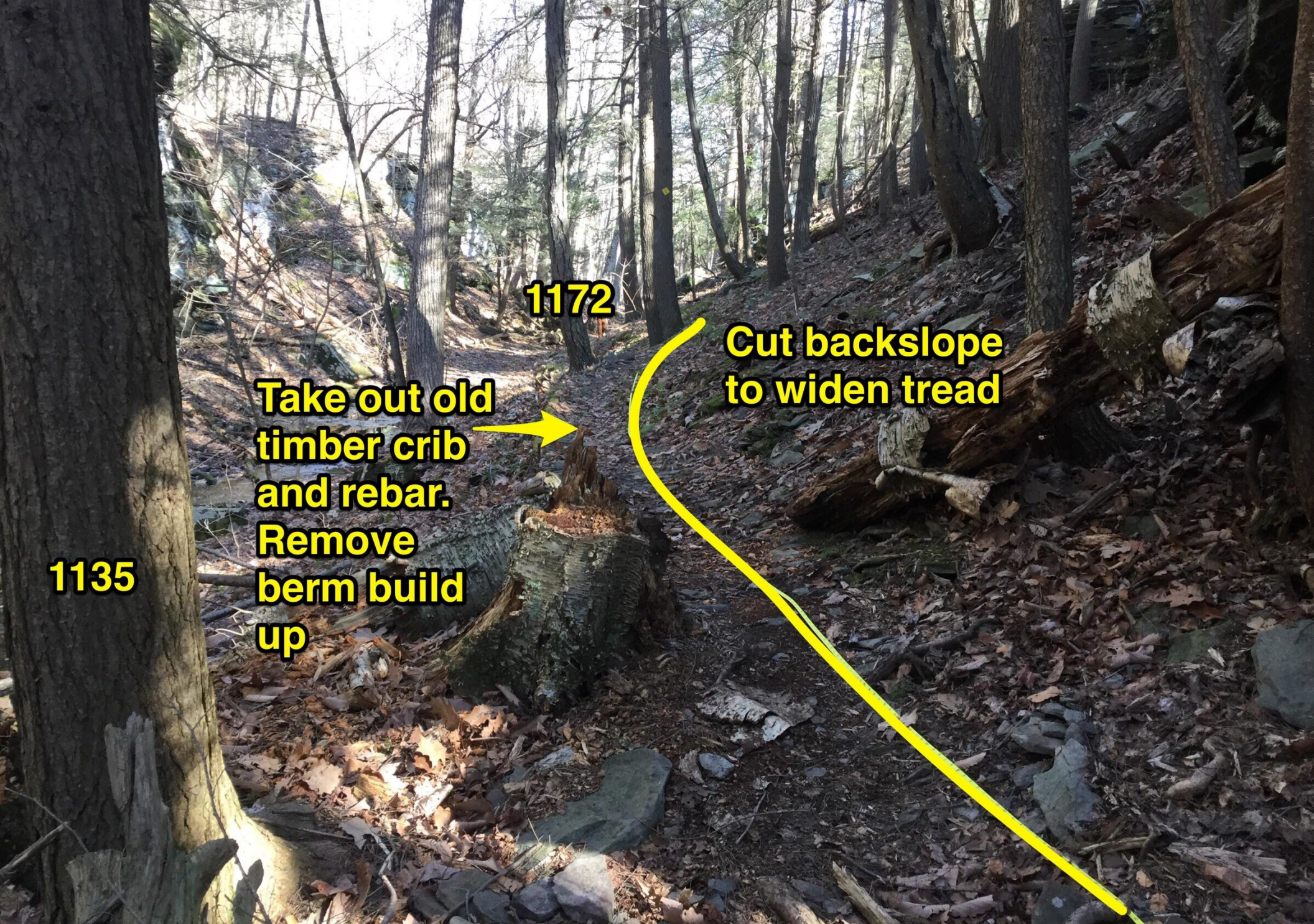


1135

Remove protruding rocks

1100

Rock slab ramp or clean up/ remove loose rocks



1172

**Cut backslope
to widen tread**

**Take out old
timber crib
and rebar.
Remove
berm build
up**

1135

1190

1200

4

**Timber crib wall ~ 8'.
Fill with crush and
mineral soil over roots**



1245

Tighten up hardening

**Cut
backslope to
widen tread**

**Remove all
old crib
materials**

1200

4

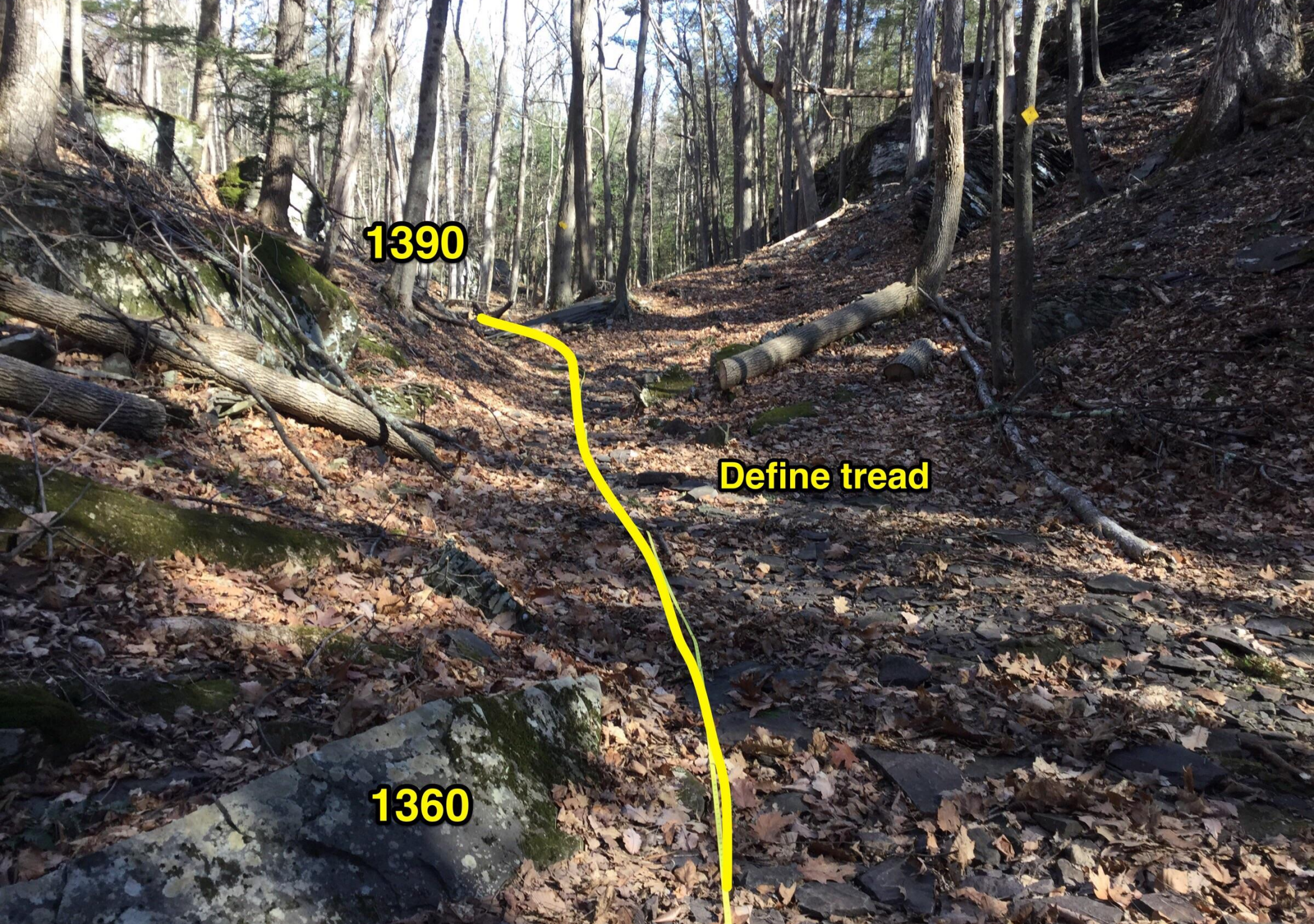


1300

1360

1340

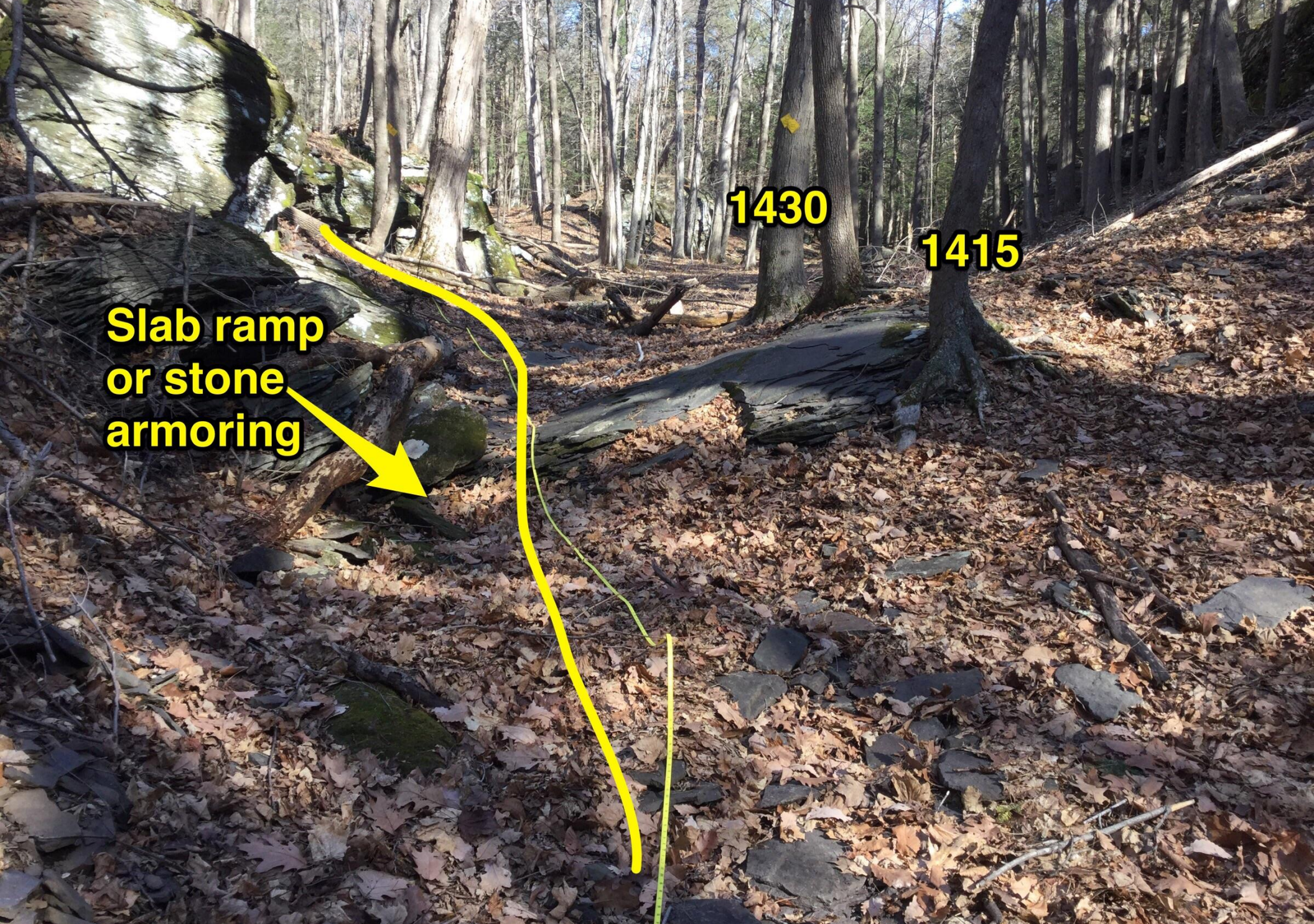
**Define tread. Narrow by
placing rocks and/or
downed trees**



1390

Define tread

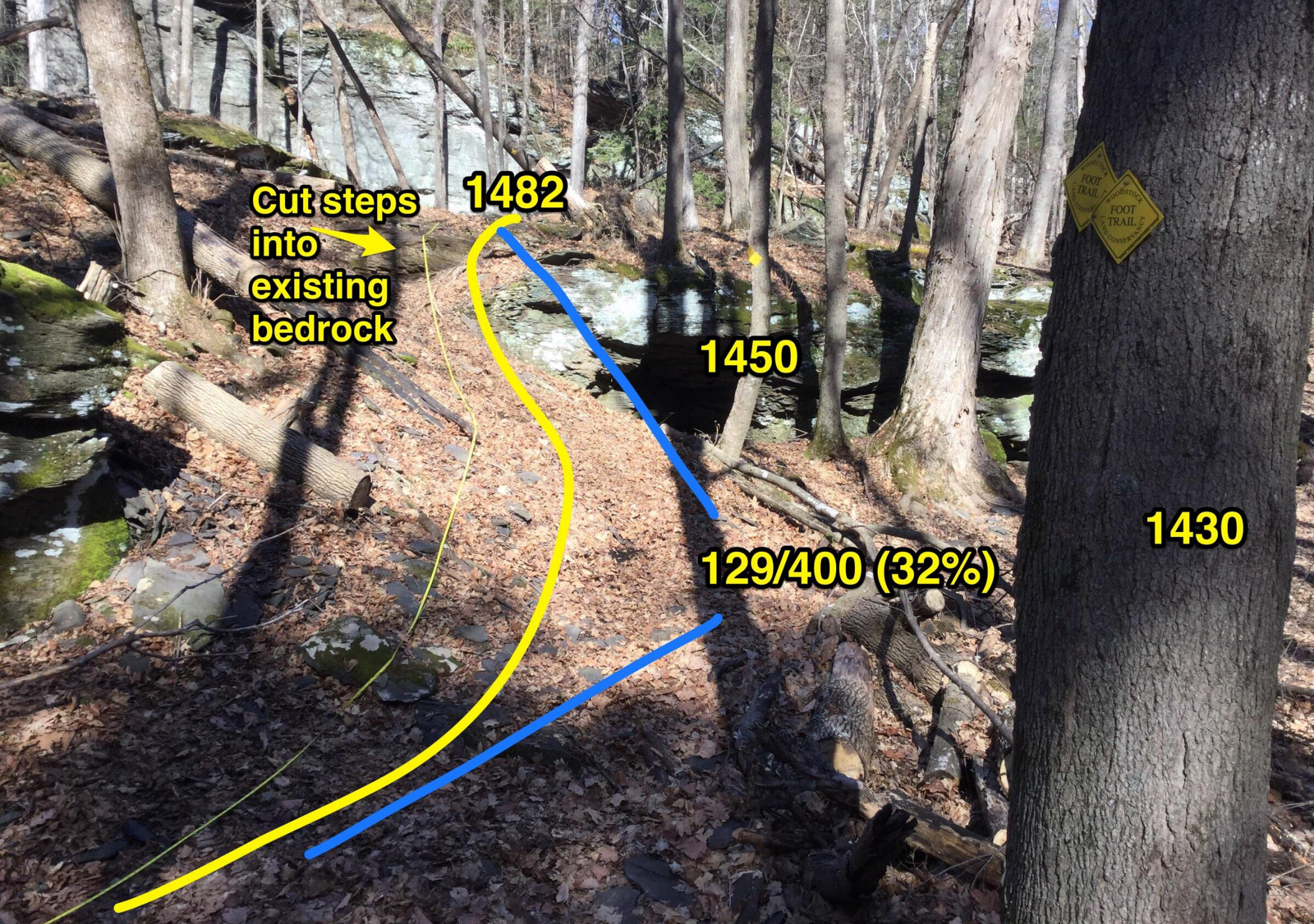
1360



**Slab ramp
or stone
armoring**

1430

1415



**Cut steps
into
existing
bedrock**

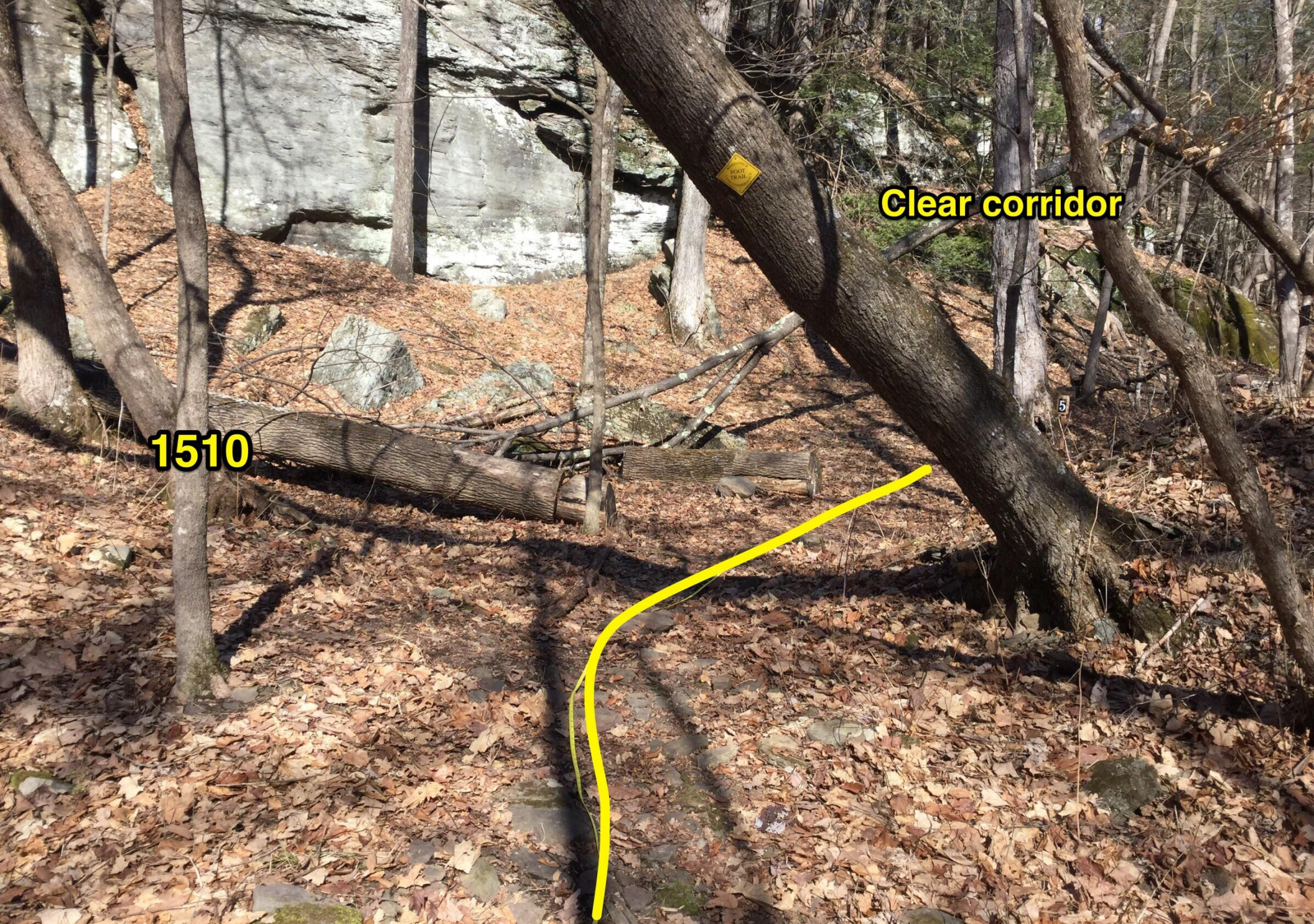
1482

1450

1430

129/400 (32%)





1510

Clear corridor

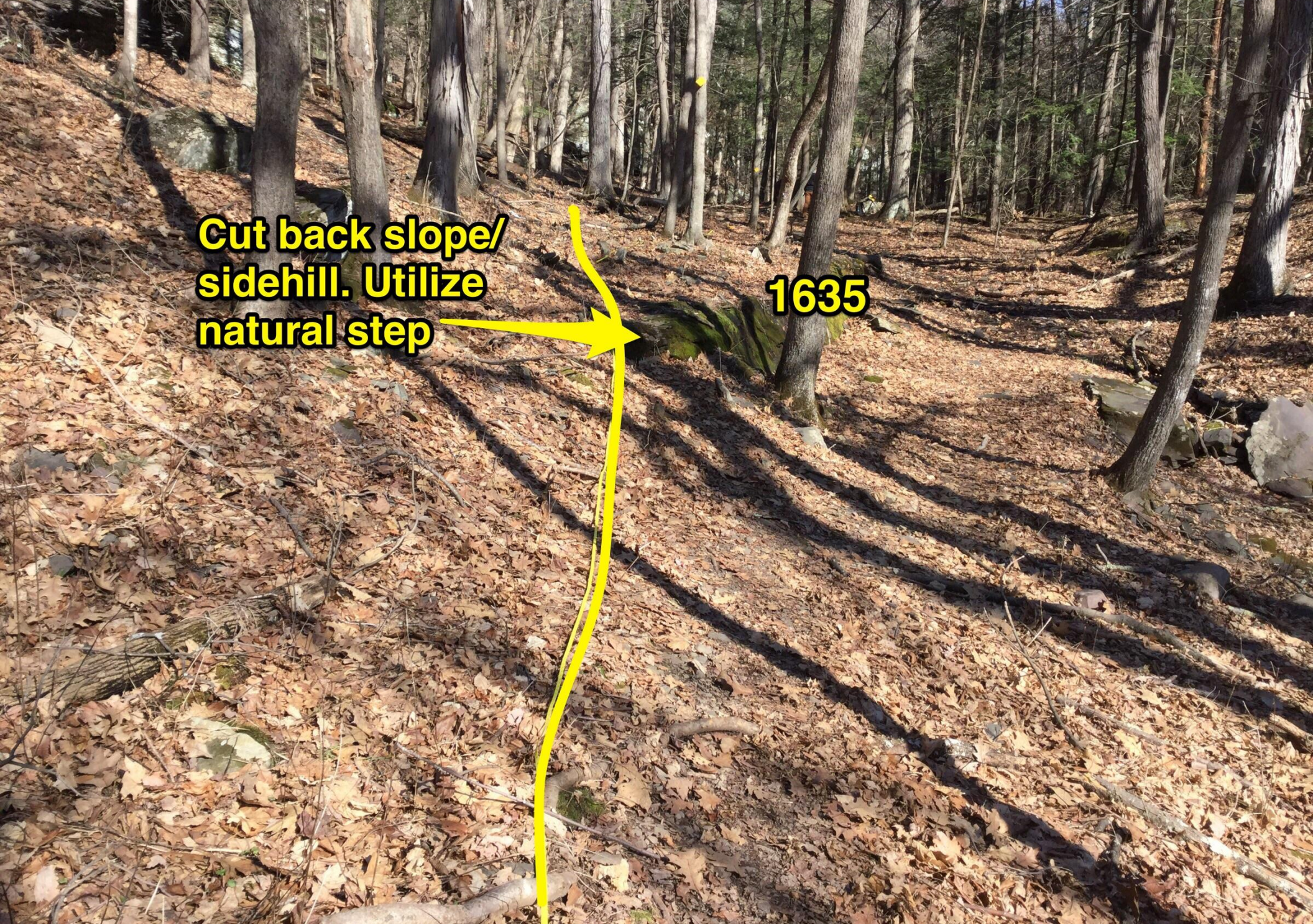
1572

5

1532

**Cut back slope/
sidehill. Utilize
natural step**

1635



1640

1670

1655

**Define tread/
remove loose rocks**





1670

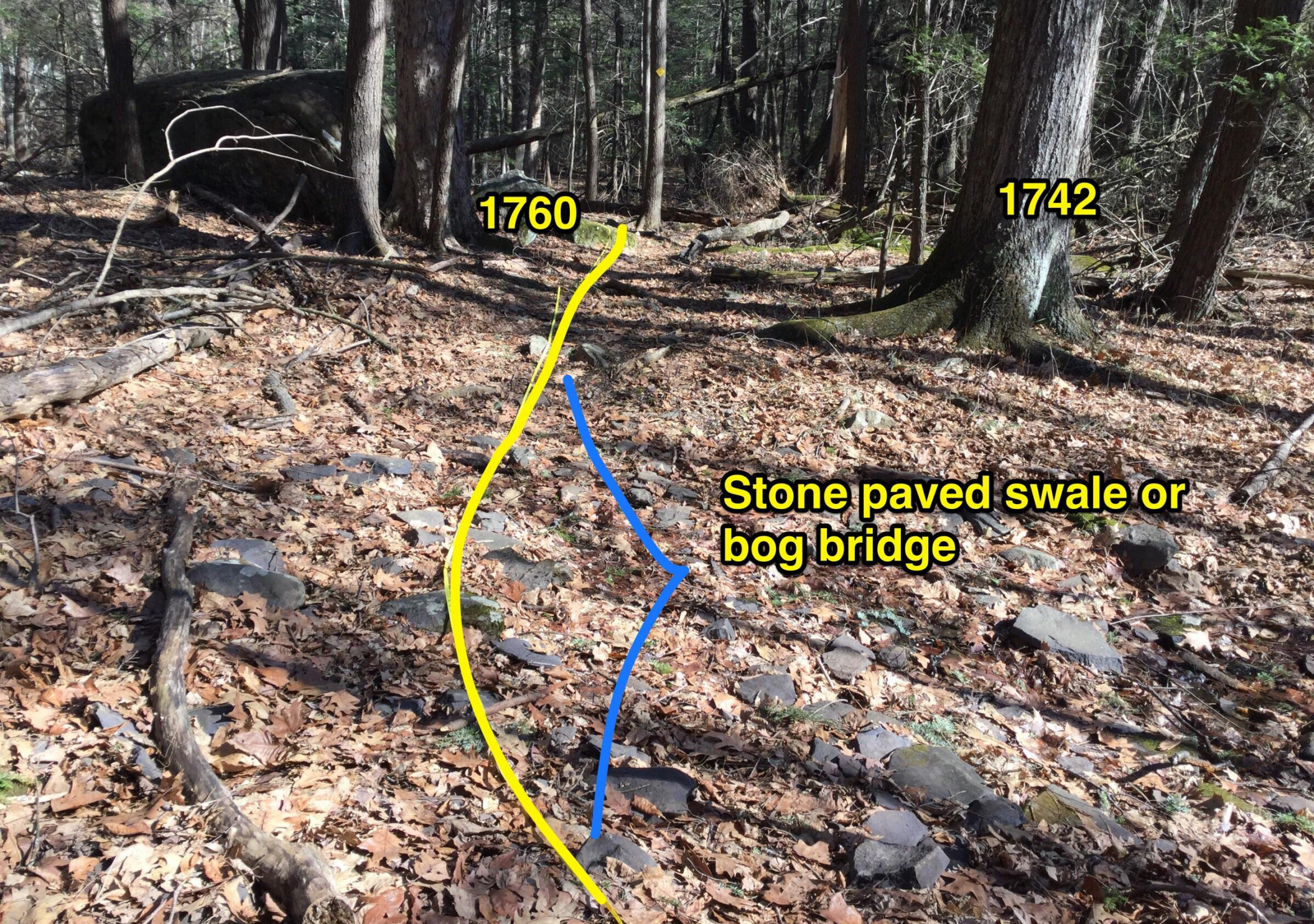
1700



1700

1713

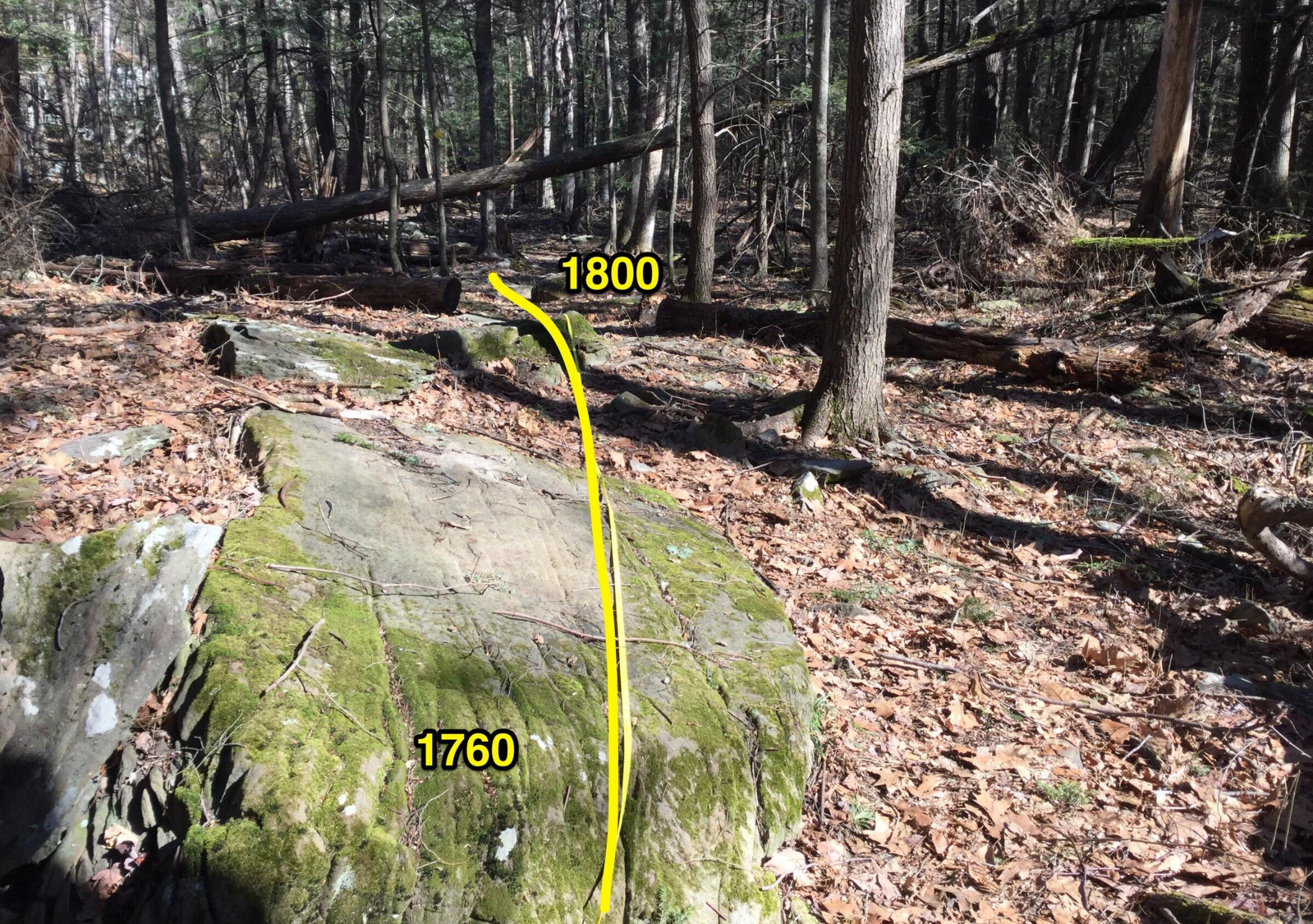
**3 stepping
stones**



1760

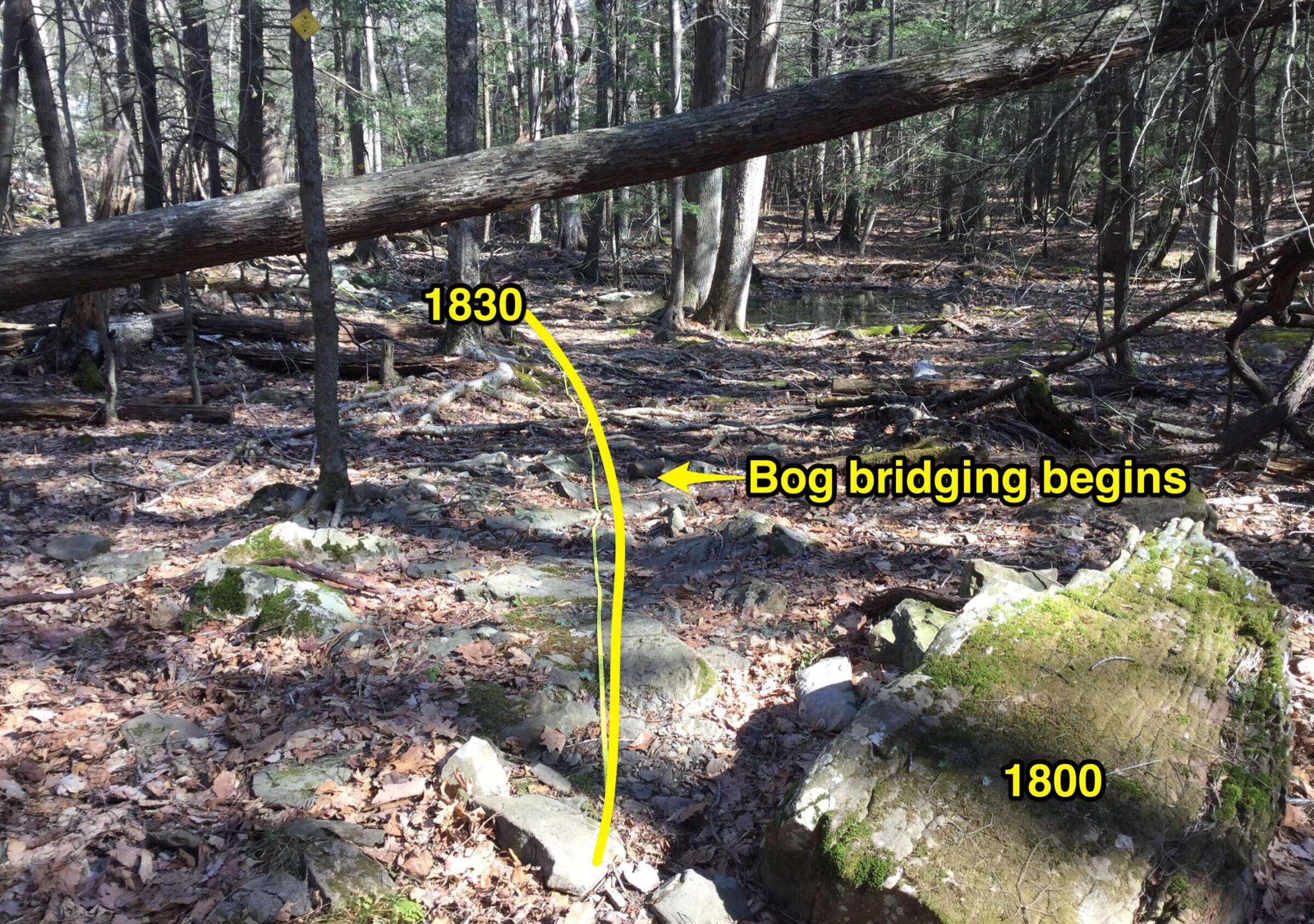
1742

**Stone paved swale or
bog bridge**



1760

1800



1830

Bog bridging begins

1800