FSTY 405. Assignment 3
Stand growth projections

Name . . . .

A comparison of growth predictions from 3 growth models.

Models

TIPSY (`http://www.for.gov.bc.ca/hre/software/tipsy.htm`). Available in the students server and lab computers.

VDYP7 (`http://www.for.gov.bc.ca/hts/vdyp`). Available in the students server and lab computers.

Scube (`http://forestgrowth.unbc.ca/scube`). Download and follow instructions.

Regimes

All for interior spruce, Prince George district.

Site index: $15 + x.y$, where xy are the last two digits of your student number: . . . .

1. Natural, undisturbed, starting from 5000 trees/ha at breast height.

2. Natural, undisturbed, starting from 1000 trees/ha at breast height.

3. Planted, undisturbed, starting from 1000 trees/ha at breast height.

4. Planted, starting from 1600 trees/ha at breast heigh, thinning half of the trees at top height 4 m.

Procedure

Run simulations with each model, as close to the specifications above as you can. Indicate and comment on any necessary changes, difficulties, or limitations.

Produce and attach graphs of trees/ha over age, basal area over age, and total volume over age, comparing the three models.

Comment on the results.