

PERIODICAL REPORT BY RESEARCH FORESTER ON Brechfa 15 / 81
(Forest : Expt. No.)

Project or Title of Experiment.....

1. General Report on Experiment: (Condition, Growth, Form and Colour of Plants, and particulars of all factors affecting them, e.g. Weather, insects, fungi, weeds, human agency, etc., since last report) :—

Most of the species plot look healthy after the winter although the *S.sempervirens* had suffered some foliage damage, i.e. reddened, browned shoot tips, but not as noticeably as that observed in Spring 1982, from which they recovered very rapidly. The decline of the unhealthy *Abies* spp *cephalonica* and *nordmanniana* continues and the *lowiana* still remains very sparsely foliated. The pines *peuke* and *strobis* both look healthy and vigorous, whereas the nearby *contorta* appear to be less vigorous and lighter crowned. Several of the unthinned plots now require thinning as does the surrounds of those plots previously thinned and now hopefully stabilized. The NS plot continues to progress to a more evenly stocked stand after the early theft of Xmas trees.

2. Provisional Summary of obvious results of any Assessment for which data are attached :—

Very high yield classes in many of the species with the common plantation trees performing well. The redwoods especially the *S.sempervirens* showing remarkable growth and although thick barked the annual increment which to a large extent excludes bark at $6.06\text{m}^2\text{yr}^{-1}$ is twice what similar aged YC30 Grand Fir would be expected to produce.

3. Work needed: (a) Maintenance: (b) Application of W.P. Treatments: (c) Suggestions for the development of the project by new prescriptions: (d) Assessments :—

(a) maintain paths

(c)(1) establish species plots in open areas within experimental area.

(2) continue to thin plots as necessary.

(3) thin surrounds of those plots considered to have stabilized after thinning.

(4) install new BA plots where possible.

(d) continue with annual assessments.