



To: Curt Clarke
Sx. Trial Coordinator
Silviculture Branch
Victoria, B.C.

From: FD #7
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Progress Report on SX86401V.

Having completed a second remeasurement of the trial, noticeable differences have developed both in height and diameter growth.

I applied a crude statistical test to see if trees in the control were taller and larger in diameter than in trees treated with P and N at the start of the trial. There was no significant difference using a difference of means test.

Then I applied the same test to see if height and diameter growth were different. They were different to a level of 0.05 degree of significance.

In actual fact there were six treatments and I did not test each treatment for significant differences. In any case the following table is a summary of the data.

	mean ht. growth (cm)		mean diam. growth (cm)
	<u>YR1</u>	<u>YR2</u>	<u>YR2</u>
CONTROL	10.3	10.5	0.58
P ₁ N ₀	10.8	8.3	0.35
P ₂ N ₀	7.0	8.1	0.38
P ₀ N ₁	15.3	22.0	0.77
P ₁ N ₁	27.5	30.7	0.95
P ₂ N ₁	14.8	22.0	0.90

The samples are very small (6 trees) so considerable variability exists which can disguise the effects. However, I would suggest that there is a substantial response and the response is best for the P₁N₁ treatment (200 kg/ha N and 50 kg/ha P). There also appears to be a negative response to Phosphorus only.

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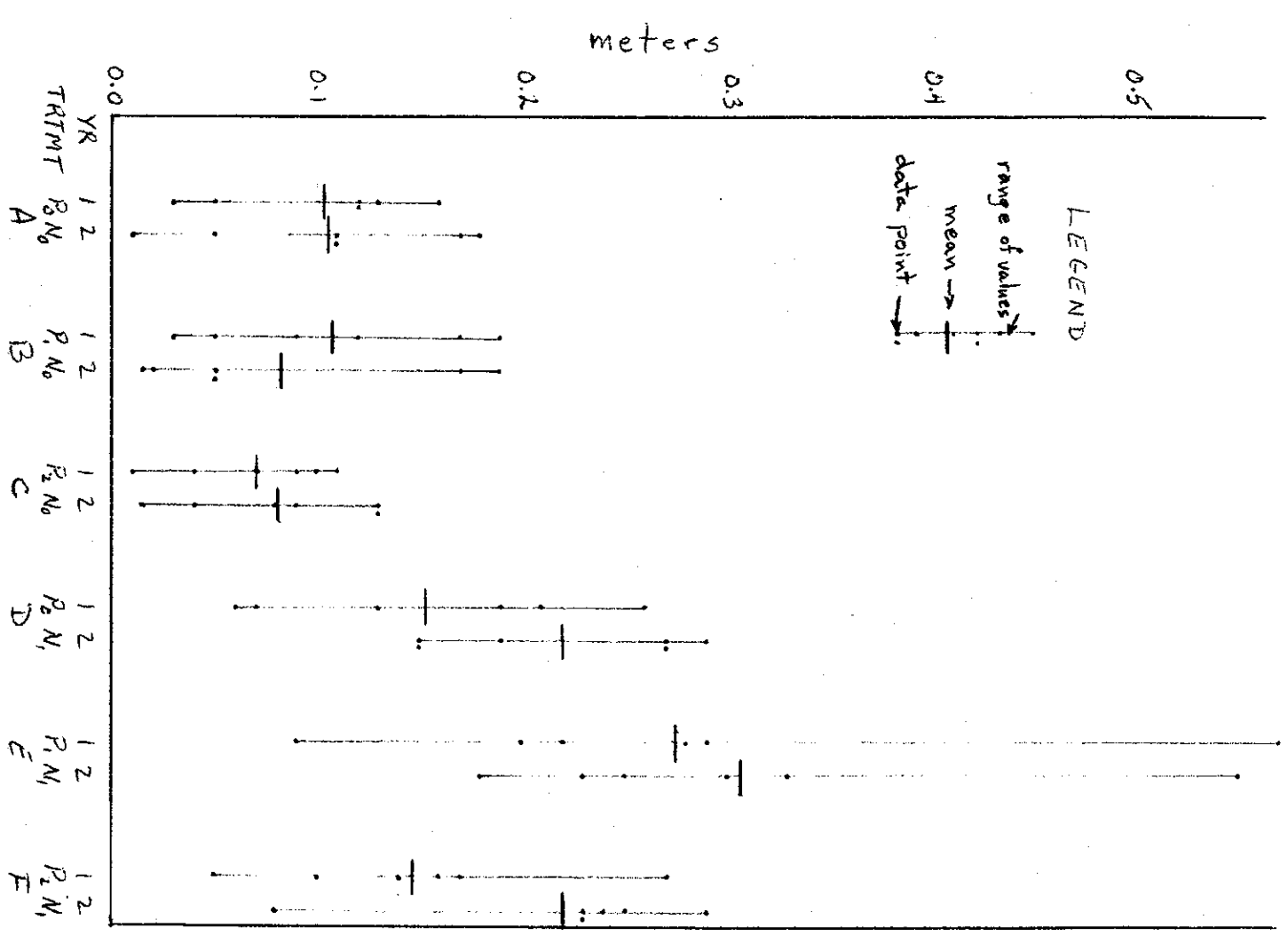
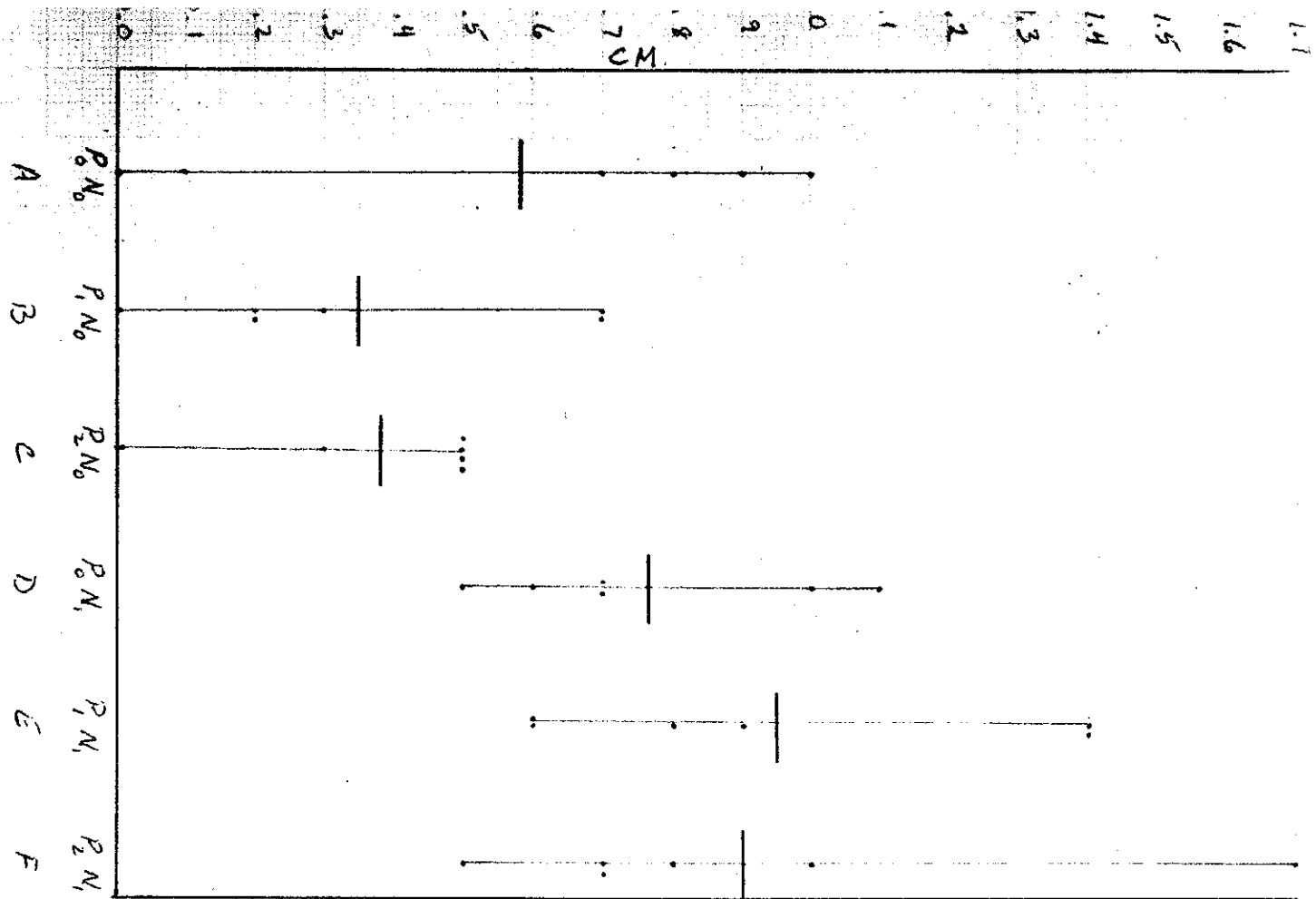
There were also foliar samples taken in March 1987, a year after fertilizing. These indicate that all trees are still severely different in Nitrogen but the trees fertilized with N all have higher Nitrogen levels. Beyond that comment the foliar analysis is unrevealing.

If you have any comments or questions please let me know. The next report will be in 1990.



Sandy McRuer
District Silviculturist
Port Alberni Forest District

cc: R Jeffrey-Coast Forest Mgmt.



must be considered.

Advantages

1. No upfront costs for vegetation management.
2. No physical damage to site (e.g., soil disturbance).

Limitations

1. Free-growing targets may be delayed.
2. Legal responsibility may not be fulfilled.
3. Sites may not contribute to the productive land base.
4. Non-commercial cover may not be aesthetically pleasing.