Trial Summary Format

SX 87502 Q

TITLE Trial of Disc Trencher Prepared and Untreated Planting Microsites on Burned and Unburned Areas

OFFICER I/C J. Maxwell / R. Burkholder

LOCATION Kluskus Road

REGION/DISTRICT Prince George / Vanderhoof

OBJECTIVE To determine the field performance of seedlings grown on disc-trencher prepared microsites as compared to untreated microsites. Also, to compare these two microsite types on burned and unburned areas.

PROGRESS Working Plan in Progress

NEXT SCHEDULED ASSESSMENT/TREATMENT

Trial areas to be staked and site prepared July, 1987
Trial areas to be planted and tagged Spring, 1988

REPORT DISTRIBUTION Silviculture Branch - Ex Trial Co-ordinator
Working Plan & Final Report - Library/Silviculture Branch
Prince George Regional Office - Silviculture Office
Vanderhoof District Office - Silviculture Office
Working Plan for Sx825020

1. Objectives

To determine the field performance of seedlings grown on disc-trencher prepared microsites as compared to untreated microsites. Also to compare these two microsite types on burned and unburned areas.

2. Location

Klushus Road

3. Trial Stock

4. Plot Design

The trial consists of 3 plots on burned and unburned areas. Three hundred trees per block, 25 trees per line. A diagram is provided of the trials setup.

5. Dates of Treatment & Assessment

Site Prepared & Staked July 1987
Planting & Tagging Spring 1988
Burneo

Not Burneo

Hand......

Trench

(25 trees/line, 360 trees/plot
1800 trees total trial)
WORKING PLAN

Sx 87502 Q

SITE PREPARATION TRIAL:
DISC-TRENCHING ON BURNED
AND UNBURNED SITES
VANDERHOOF FOREST DISTRICT

Scott Elo
Jim Maxwell
1. To determine the field performance of Interior pine seedlings planted on site prepared and untreated microsites of burned and unburned areas. Comparisons of tree seedlings on each treatment will be made by taking measurements of survival, height growth, increment and root collar diameters. An analysis of variance will be performed on the variables of interest to determine any significant differences between the treatments.

2. Plot Design

Six different treatments were established in the trial area: two disc-trenching treatments and a boot-screeb control treatment on unburned ground and the same three treatments on prescribed burned ground. Twelve replications of 25 trees were planted per treatment.

The plot design is shown in the following diagram.
3. Trial Stock & Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Species</th>
<th>Nursery</th>
<th>Seedlot</th>
<th>Date Lift</th>
<th>Seedzone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanli Lake</td>
<td>PL</td>
<td>K&amp;C</td>
<td>29091</td>
<td>88-08-10</td>
<td>5040</td>
</tr>
</tbody>
</table>

Seedling Requirements
Stock Type – 1+0 PSB 211 PL

4. Schedule of Establishment/Assessments

<table>
<thead>
<tr>
<th>Measurements</th>
<th>PLTD./Sp. 88</th>
<th>Fall 88</th>
<th>Spr. 90</th>
<th>Fall 90</th>
<th>Fall 91</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>x</td>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Caliper</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Increment</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Survival</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Frost</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Photography</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Progress Report</td>
<td>x</td>
<td></td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

5. Site Prescription

Tanli Lake

Opening Number: 93F7A-5
Tenure: FL
Licensee: Westar Timber
Lic. Number: A18157
C.P. #: 114
B.C.C. Unit: ESSF 0/1
Moisture Regime: 3/4
Nutrient Regime: C
Site Class: M
Elevation (m): 1210
Aspect: Se
Slope: 2%
Timber Type: Sx-B
Dist. Symbol/Year: 86-37
Site Prep: Disc-Trenched 87
- From Vanderhoof head South towards Kenny Dam
- turn left onto Kluskus Forest Rd.
- go up to 99 km, turn left onto Blue Rd.
- then turn right onto Tanli Lk Rd.
- trial at end of second blk