Working Plan for Sx 95301R - Natural Regeneration Trial Using Seed Trees

1. Objectives
   To determine the suitability of regeneration, by seed tree, ICHvc02(1) and 01(2) sites with broken terrain and shallow, fine textured soils over bedrock. Successful regeneration of the trial area by this method may indicate that the seed tree silvicultural system is a viable alternative to clearcutting and planting on this type site.

2. Location
   Cutting Permit 168 Block 1, Bowser Lake, Forest License A16884, Kalum Forest District.

3. Regeneration Expected
   Majority is expected to be Western Hemlock with lesser amounts of Alpine Fir, Mountain Hemlock, and Spruce.

4. Trial Design
   Treatment unit 1 will be seed tree harvested leaving individual stems and small clumps (maximum 5 stems/clump) evenly distributed throughout the unit with a resulting population of 20-40 stems/ha. Seed trees will consist of 30cm DBH + stems from the Dominant, Co-dominant, and Intermediate crown layers which have good form, vigor and are capable of producing seed. The proportion of tree species stems making up the seed trees will be representative of the original stem count/ha in the stand. In addition, stems of a variety of species, heights, diameters and age classes will be left intact on rock outcrops and adjacent to NPBr areas in special management zones as laid out in the harvesting plan.

   Block is to be harvested during the summer of 1995.

5. Dates of Assessment
   Stocking/Brushing surveys will be conducted in 1996, and every year after, for a maximum period of 8 years to determine success of regeneration establishment. If natural regeneration ingress is below minimum stocking at 8 years, artificially regenerating the site will proceed and the trial closed.

6. Summary and Report
   Summary of data will be done for first four assessments and an interim report issued the Winter of 1999/2000. Summary of data will then be done for the final four assessments and a final report issued in the Winter of 2003/2004.

7. Report Distribution
   District Manager - Kalum Forest District
   Regional Manager - Prince Rupert Forest Region
   Library - Silviculture Branch
Buffalo Head Forest Products Ltd.
F.L. A16884

Cutting Permit 168 Block 1 Seed Tree Regeneration Trial.

Trial Summary

Title: Natural Regeneration trial using seed trees.

Person in Charge: Jaret van der Giessen

Location: Cutting Permit 168 Block 1, Bower Lake.

Region/District/Zone: Prince Rupert Forest Region/Klun Forest District/Bell Irving Zone.

Objective: To determine the suitability of regenerating, by seed tree, ICHvc02(1) and 01(2) sites with broken terrain and shallow, fine textured soils over bedrock. Successful regeneration of the trial area by this method may indicate that the seed tree silvicultural system is a viable alternative to clearcutting on this type site.


Next Scheduled Assessment/Treatment: Trial to be established August 1995.

Report Distribution: Working Plan/Library - Silviculture Branch
Prince Rupert Region - Library
Klun Forest District - Library.

Incomplete.
SILVICULTURE TREATMENT MAP

NOTE:
All creeks are class C except where noted

FL-An8684 CAT No. 168 BLK No. 1

BUFFALO HEAD

DATE: JULY 1994
SCALE: 1:5000
DRAWN: DH
DRAWN No.: 51
CHECKED: 9304-12 T A

TYhee FORESTRY
Consultants Ltd.

APP'D DISTURBANCES
ROADS: LOCATED
BUILT
PAVED
LANDING
GRAVEL PIT
TRAIL
FIRE GUARD

BOUNDARIES & CONTROL
BLOCK
TREATMENT
ECO SYSTEM
PSHP PLOT
SPECIAL
MANAGEMENT ZONE
BRUSH SWAMP

REVIEW

WATER
RIVER
CREEK
INTRODUCTION

TOTAL
80.1
80.2
1.2
4.4
5.2

MAP REF. No. 104 A 043
PHOTO No. 30 BCR9072 150

T U I
12+40 S
12+62 S
12+88 S
UPPER BOWSER W/L
21+477 UPPER BOWSER W/L

SILVICULTURE TREATMENT MAP

PROPOSED TREATMENT
seed tree/pasture inactivation
select natural regeneration
clearcut, artificial regeneration
CLOSED, direct seeding trial

AREA SUMMARY

BEC ZONE
T U I
T U II

HISTORY OF TREATMENTS
seed tree/pasture inactivation
select natural regeneration
clearcut, artificial regeneration
CLOSED, direct seeding trial

NOTE:
All creeks are class C except where noted

UPDATED BY

DATE