

CATALOGUE
OF
PEST MANAGEMENT TRIALS
AND
DEMONSTRATIONS

1987

Collated by
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Protection Branch

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Appendix 1. Summary of catalogue objectives, suitable projects, and procedures.

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INTRODUCTION

In reponse to several requests, this catalogue of pest management research plots, operational trials and demonstration areas was established. It includes mostly operational projects established by Ministry and other personnel, but some projects established for other purposes are listed that are of interest to pest management staff. Projects which have been listed by Research Branch as Experimental Projects and by Silviculture Branch as Silviculture Trials are documented only briefly in this catalogue.

More detailed financial and information systems are being developed which eventually might incorporate the information listed here. In the meantime, this catalogue is intended to serve as a limited source of information on recent projects.

The reports have been based on information provided by Regional staff and cooperators. Those with information about these projects or any others of interest are invited to participate by reading the summary provided in Appendix 1 and submitting a report on a copy of the sample report form shown in Appendix 2.

This catalogue will be updated annually based on reports received by September 30 at Protection Branch.

VANCOUVER FOREST REGION PROJECTS

File: 720-14
Date Established: 1972
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Vancouver

Pest: Laminated root rot

Location: N. Arm Lake Cowichan Expt. Stn.

Project Initiator or Coordinator: G. Reynolds (388-0600) CFS

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Ingemar Carlson BCFS 749-3611

Problem: Control of the root rot.

Objective(s): Destumping and species trial 2 ha.

Scheduled Assessment/Treatment(s): _____

Termination Date: 1993-1998

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1979
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Vancouver

Pest: Laminated root rot

Location: Duncan (Highway 18 - 5 km)

Project Initiator or Coordinator: G. Reynolds (388-0600) CFS

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Duncan Forest District

Problem: Control of laminated root rot.

Objective(s): 27 ha destumped (3 ha control).

Scheduled Assessment/Treatment(s): _____

Termination Date: 1999-2004.

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: 1985

Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Vancouver

Pest: Laminated root rot

Location: Duncan (Highway 18)

Project Initiator or Coordinator: W. Bloomberg CFS and MacMillan Bloedel

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: FRDA Federal Direct Delivery Funding.

Problem: _____

Objective(s): Destumping trial by crawler tractor and two excavators.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1983
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: Laminated root rot

Location: Courtenay (Crown Forest TFL Branch 183)

Project Initiator or Coordinator: J. Harwijne CF.

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: _____

Objective(s): Infected 2 ha site logged, scarified and planted with white pine
and ponderosa pine. Operational trial.rust-resistant Idaho white pine used.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: _____

Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blister rust

Location: Texada Island, Angel Lake (920-13-1-2)

Project Initiator or Coordinator: J. Beale

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blister rust

Location: Texada Island, Bob's Lake (920-13-1-1)

Project Initiator or Coordinator: J. Beale

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blister rust

Location: Mt. Benson

Project Initiator or Coordinator: Dick Yates (758-9521)

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: EBAP and NEED

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: _____

Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blister rust

Location: McKay

Project Initiator or Coordinator: Bob Rogers 246-3264

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: B.C. Forest Products, EBAP & NEED

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: _____

Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blist rust

Location: Woss

Project Initiator or Coordinator: Al Wilcox 974-5551

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Can. For. Products, EBAP and NEED.

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1983
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Vancouver

Pest: White pine blister rust

Location: Beavertail Lake

Project Initiator or Coordinator: D. Harris, Campbell River Forest District

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: EBAP?

Problem: _____

Objective(s): Operational pruning of white pine on 44 ha (further 100 ha planned).

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

PRINCE RUPERT FOREST REGION
PROJECTS

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Tomentosus Root Rot

Location: Tercer Road; Lakes Forest District

Project Initiator or Coordinator: Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: There exists very little hard evidence on the susceptibility of
different species to tomentosus root rot in our region.

Objective(s): To evaluate the comparative resistance of three species:

1) Sx 2) Pl and 3) FD to tomentosus root rot on circum-mesic sites in the
SBSd.

Scheduled Assessment/Treatment(s): Planting of trial in May 87

Termination Date: Rotation Age

Current Report Date: 1992 - 5 years after planting.

Progress or Status: Survey complete; blocks laid out for planting in May 87;

Randomized complete block - 3 replicates per treatment.

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Tomentosus Root Rot

Location: Tercer/Pement Road; Lakes Forest District

Project Initiator or Coordinator: Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: 400-274-87/89 *RES

Cooperating Agencies: _____

Problem: Lack of well established control measures for tomentosus root rot.

Objective(s): To examine the potential of using Roundup as a prelogging control measure for tomentosus root rot. Specifically, to compare survival and #'s of infected individuals of planted spruce adjacent to treated vs. untreated stumps.

Scheduled Assessment/Treatment(s): July 87 - Roundup application; August - September 87 - harvesting of block.

Termination Date: Rotation Age

Current Report Date: 1993 (5 years after planting)

Progress or Status: 1987 - obtained P.A.C. to apply Roundup; have identified and marked 60 tomentosus infected spruce.

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Tomentosus Root Rot

Location: Atrill Creek; Bulkley Forest District

Project Initiator or Coordinator: Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Control measures such as destumping have not been tested on tomentosus root rot infected spruce and pine.

Objective(s): To evaluate the effectiveness of destumping using a D8 cat and an excavator to control tomentosus root rot in second-growth plantations. The area will be planted with spruce and mortality will be monitored through time for each treatment.

Scheduled Assessment/Treatment(s): Block layout - summer of 87; destumping - September 87; planting in spring of 88.

Termination Date: Rotation Age.

Current Report Date: Fall of 87 - post operation report.

Progress or Status: Silvicon completed survey in fall of 86 on 16 ha area.

Block was logged in winter of 86/87. Randomized complete block design - 3 replicates/treatment.

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Tomentosus Root Rot

Location: Jonas Creek; Bulkley Forest District

Project Initiator or Coordinator: Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Tomentosus root rot is a major problem in terms of volume losses in spruce and pine types in our region. However, it is a poorly understood root disease in many respects.

Objective(s): (1) To establish a demo area within a young plantation and mature stand for training purposes and 2) To stem map infection centers for purposes of establishing rates of spread of tomentosus within young plantations.

Scheduled Assessment/Treatment(s): 1991 - resurvey stem mapped permanently marked plots.

Termination Date: Rotation age.

Current Report Date: 1992

Progress or Status: Ten infection centers have been stem mapped at Jonas Creek; two centers in mature block and eight in plantation. Silvicon submitted two page report.

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Tomentosus Root Rot

Location: Sharpe Creek; Kispiox Forest District

Project Initiator or Coordinator: Rich Hunt/Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: CFS/MOFL

Problem: Performance of white pine outside of its natural range and its susceptibility to tomentosus is unknown.

Objective(s): (1) To establish how resistant white pine is to tomentosus root rot, and (2) how well white pine will grow in this region considering it is beyond its natural range.

Scheduled Assessment/Treatment(s): Planting - spring of 87; Pw provinces provided by CFS - Rich Hunt; Roundup to be applied in summer of 88.

Termination Date: Unknown.

Current Report Date: Unknown.

Progress or Status: Experimental block has been marked out. Infected stumps were mapped in summer of 86.

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Porcupine

Location: Terrace; Kalum Forest District

Project Initiator or Coordinator: Wayne Martin

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Trappers Association; Ministry of Environment

Problem: Porcupines are killing/damaging crop trees at an unacceptable rate in spaced stands around Terrace.

Objective(s): To assess the effectiveness of a limited bounty on porcupine in reducing stem damage in spaced stands. Current damage will be assessed before and after imposition of the bounty.

Scheduled Assessment/Treatment(s): Resurvey of area prior to winter of 87/88.

Termination Date: 1987/88

Current Report Date: _____

Progress or Status: Limited bounty to trappers would seem to be ineffective as a control measure since only five porcupines were taken via this program in winter of 86/87. Live trapping has been substituted as a control measure in these drainages. Current damage (86/87) averaged around 0.4 to 0.8% per annum.

File: 720-14
Date Established: 1987
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Mountain Pine Beetle, Dendroctonus ponderosae

Location: Bulkley Forest District

Project Initiator or Coordinator: Tim Ebata

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Bulkley Forest District, West Fraser Mills

Problem: The effectiveness of Fall and Burn has never been formally documented.

Objective(s): By using pairs of 9 ha control and treatment blocks, the
number of new attacks occurring within each block will be compared.

Scheduled Assessment/Treatment(s): Establishment March '87 1st assessment
Fall-Spring 87/88, Fall-Spring 88/89, 3rd 89/90.

Termination Date: Winter 1990.

Current Report Date: _____

Progress or Status: Paired plots are established in sites near Tatlow Road,
or Hydro Hill and Gramophone Creek. Reports will be compiled annually and
disseminated to Districts and Licencees.

File: 720-14
Date Established: 1987
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince Rupert

Pest: Spruce Leader Weevil, Pissodes strobi

Location: Kitimat Valley, Kalum Forest District

Project Initiator or Coordinator: Tim Ebata

Other designations (EP, Sx): E.P. 712 Pesticide Permit: _____

Cooperating Agencies: Research Section, P.R.F.R.

Problem: The pattern of weevil damage, especially its rate of intensification and spread, and the impact on growth and yield are poorly understood for Sitka Spruce.

Objective(s): (1) To record the annual pattern of attack to determine spatial dynamics of patches of weevil damage, (2) To assess the impact on yield by analyzing remeasurement data provided by the P.R.F.R. Research Section.

Scheduled Assessment/Treatment(s): Establishment winter 86/87, re-assessments Winter 88/89, 90/91 and longer, for the life of F.R.D.A.

Termination Date: When trees reach 10 m average height.

Current Report Date: _____

Progress or Status: Established stem maps with location of each infested (current and past attacks) Sitka Spruce noted. A series of annual mylars representing current attacks each year overlap the stem map.

PRINCE GEORGE FOREST REGION
PROJECTS

File: 720-14
Date Established: 1985
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Prince George

Pest: Lodgepole Dwarf Mistletoe

Location: Barton Lake (40 km SW Prince George); 38 km on Pelican FSR.

Project Initiator or Coordinator: Kathy Lewis

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Many spacing projects in immature lodgepole pine may not adequately address the presence of mistletoe and its impact upon tree growth as influenced by thinning.

Objective(s): Determine effect of sanitation spacing in lightly infested and heavily infested 30 yr old lodgepole pine stands. Use as a demonstration area.

Scheduled Assessment/Treatment(s): Annual remeasurements.

Termination Date: Indefinite - 30 years??

Current Report Date: PM-PG-9 (July 1987)

Progress or Status: Plots established; spacing completed; initial measurements completed.

File: 720-14
Date Established: 1985
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince George

Pest: Tomentosus Root Rot

Location: 25 km east of Prince George (km 43, Beaver FSR)

Project Initiator or Coordinator: Kathy Lewis

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Northwood Pulp & Timber Ltd (Mark Clark), CFS (Rick Hunt)

Problem: Initial indications are that most spruce stands are infected with

I. tomentosus and that this disease may have significant impacts upon

regeneration and future crops.

Objective(s): To determine the effect of spacing/thinning 60 yr old spruce on

I. tomentosus spread; to describe transmission of disease by root contacts; to

test resistance of white pine to the disease; to develop survey methods.

To serve as a demonstration area.

Scheduled Assessment/Treatment(s): As required.

Termination Date: Long term.

Current Report Date: In progress.

Progress or Status: Plots established; thinning completed; root maps completed;

Pw planted.

File: 720-14
Date Established: 1985
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Prince George

Pest: Pissodes strobi

Location: 50 km E. Prince George

Project Initiator or Coordinator: R. Cozens

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: 50 000 000 spruce seedlings planted annually in PGFR; brusing and weeding program increasing; potential for weevil 'epidemic' is high.

Objective(s): Determine effectiveness of deciduous overstory in controlling damage, on a stand basis, by P. strobi. Secondary - determine the effect of deciduous overstory upon spruce growth.

Use as a demonstration area.

Scheduled Assessment/Treatment(s): Weevil assessments annually, tree growth assessments bi-annually, weather recordings hourly (May-Oct).

Termination Date: _____

Current Report Date: PM-PG-6 (establishment) February 1987

Progress or Status: _____

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Prince George

Pest: Black army cutworm (BAC)

Location: Prince George West

Project Initiator or Coordinator: Robert Hodgkinson

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Prince George Region & Prince George West District

Problem: Impact of black army cutworm on newly planted seedlings is unknown.

Objective(s): To determine the impact of BAC defoliation in 1984 upon the current (1985) growth, form and survival of spruce seedlings. To determine the severity of damage in 1985 to herbaceous vegetation and newly planted seedlings on the same site based on: a) the number of larvae and/or pupae per m², and b) the percent coverage and species of herbaceous vegetation on site.

Scheduled Assessment/Treatment(s): First assessments done in 1985.

Termination Date: Second assessments will be conducted in the summer of 1987.

Current Report Date: Draft report on 2-year impact expected in September 1987.

Progress or Status: Black army cutworm, *Actebia fennica* (Taucher), defoliation to newly planted seedlings in 1984, as measured in 1985, caused reductions in leader and overall seedling heights, leader and seedling mortality and leader deformations. At five sites with active infestations inspected in 1985, densities of 1-13 larvae and/or pupae per m² of duff sample resulted in 0-71% of the seedlings being defoliated. Succulent herbaceous vegetation such as Indian hellebore, *Veratum viride* Ait., were preferentially defoliated by larvae over other vegetation.

KAMLOOPS FOREST REGION
PROJECTS

File: 720-14
Date Established: 1983
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Kamloops

Pest: Armillaria root disease

Location: 77 km, Road 30, Adams Lake, Clearwater District

Project Initiator or Coordinator: Janna Kumi/Hadrian Merler

Other designations (EP, Sx): 83-402K (780-13) Pesticide Permit: _____

Cooperating Agencies: _____

Problem: A douglas-fir plantation planted in 1973 is exhibiting 20% mortality at age 10 due to Armillaria obscura.

Objective(s): To investigate if the use of fertilizer can increase tree vigor and lessen the impact of the root disease.

Scheduled Assessment/Treatment(s): The plot will have mortality assessment in fall 1987.

Termination Date: Open, at the moment.

Current Report Date: _____

Progress or Status: The trial was established during Spring 1983 season but was not followed-up due to pest management downsizing. Four intensities of fertilizer application were tested, 0, 100, 200 and 300 kg N/ha of ^mamonium nitrate 34% N.

File: 720-14
Date Established: 1976 ?
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Kamloops

Pest: Laminated root rot and armillaria root disease.

Location: Skimikin

Project Initiator or Coordinator: D. Morrison, CFS

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: BCFS

Problem: _____

Objective(s): Destumping and species trial

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1980 ?
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Kamloops

Pest: Laminated root rot

Location: Naswhito Creek, Vernon

Project Initiator or Coordinator: E. Haupt, Vernon Forest District

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: CFS, R. Smith, Crown For. Ind. TFL No. 9.

Problem: _____

Objective(s): 24 ha destumped and root raking.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: _____
Map Reserve: 920-2-4- _____

Protection Trial or Demonstration Report

Region: Kamloops

Pest: Pissodes terminalis

Location: Maka Creek, Merritt District and Monte Lake, Kamloops District

Project Initiator or Coordinator: Lorraine Maclauchlan

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Simon Fraser University & FRDA

Problem: To determine the incidence of weevil attack in selected densities of young lodgepole pine after juvenile spacing.

Objective(s): The objective is to select the best spacing regime for regenerating lodgepole pine in order to minimize damage from P. terminalis and still get good release from the spacing operation.

Scheduled Assessment/Treatment(s): Two 200 x 200 m blocks were set up, with four different spacing regimes in each block, and spaced in 1987.

Termination Date: 1991.

Current Report Date: _____

Progress or Status: In June, 1987, two 200 x 200m blocks were set up with sub-blocks being 50 x 50m in size. In each block there were 16 sub-blocks which received one of the four following treatments; 1) 3 x 3m spacing (1,100 stems/ha); 2) 2 x 2m spacing (2,500 stems/ha); 3) 1.5 x 1.5m spacing (4,440); and 4) no treatment. Each sub-block was assessed for current weevilling. Each year, for a minimum of five years, these sub-blocks will be assessed for weevil attack and a stem map of attacks will be made.

File: 720-14

Date Established: _____

Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Kamloops

Pest: White pine blister rust

Location: Clearwater

Project Initiator or Coordinator: R. Edward

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: EBAP, NEED

Problem: _____

Objective(s): Pruning trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

NELSON FOREST REGION

PROJECTS

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-5-400

Protection Trial or Demonstration Report

Region: Nelson

Pest: Lodgepole pine dwarf mistletoe

Location: Brewer Ridge

Project Initiator or Coordinator: E. Begin, J. Muir

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: FRDA Pest Control Trial.

Problem: Large areas of 40-60 (+) age lodgepole pine are potentially
suitable for spacing, but are infected by dwarf mistletoe. Guidelines for
spacing needed.

Objective(s): Space 1.0 ha to usual standard and compare to growth on adjacent
unspaced block (1.0 ha)

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: The surrounding area was slashed in . The trial is being
maintained.

File: 720-14
Date Established: 1983
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Nelson

Pest: Lodgepole pine dwarf mistletoe

Location: Invermere

Project Initiator or Coordinator: E. Begin, J. Muir

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Revelstoke For. Ind., Radium

Problem: _____

Objective(s): Demonstration area 100 - 200 ha showing operational treatments
for mistletoe control.

Scheduled Assessment/Treatment(s): None.

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1983
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Nelson

Pest: Larch dwarf mistletoe

Location: St. Marys River Road, 15 km post.

Project Initiator or Coordinator: S. Byford, J. Muir

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Infection of young larch stand by dwarf mistletoe.

Objective(s): Overstory removal and spacing trial with or without sanitation
for mistletoe (6 - 1 ha treatments).

Scheduled Assessment/Treatment(s): 1988, and 10-year intervals.

Termination Date: _____

Current Report Date: _____

Progress or Status: See stand tending reports ST 83N01-07 to 11, at
Silviculture Branch or Invermere District.

File: 720-14
Date Established: 1980
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Nelson

Pest: Armillaria root disease

Location: Greenwood T.S.A. 05587 Blk.B. "Phoenix site"

Project Initiator or Coordinator: D. Morrison, CFS

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: BCFS Boundary For. Dist. (Sec. 88 funds \$6,547.50)

Problem: _____

Objective(s): Destumping research project. 5 ha; planted larch on untreated area.

Scheduled Assessment/Treatment(s): 5 year intervals.

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Nelson

Pest: White pine blister rust

Location: Revelstoke 140, Arrow 174, Arrow 214, Arrow 218

Project Initiator or Coordinator: M. Mack 265-3612

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Westar, EBAP, NEED

Problem: _____

Objective(s): Pruning/spacing trials.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: _____

Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Nelson

Pest: White pine blister rust

Location: Kuskanax Creek

Project Initiator or Coordinator: Ken Waite (E. Morris, D. Reiben)

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: EBAP, NEED

Problem: _____

Objective(s): Pruning and spacing trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

File: 720-14

Date Established: _____

Map Reserve: 920-2-4- _____

Protection Trial or Demonstration Report

Region: Nelson

Pest: White pine blister rust

Location: Nakusp

Project Initiator or Coordinator: Mark Mack 265-3612

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: Westar, EBAP & NEED, BCFS

Problem: _____

Objective(s): Pruning and spacing trial.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____

CARIBOO FOREST REGION
PROJECTS

File: 720-14
Date Established: 1982
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Cariboo

Pest: Lodgepole pine dwarf mistletoe

Location: Palmer Lake road (mile 7.5)

Project Initiator or Coordinator: J. Muir (E. Wilford)

Other designations (EP, Sx): Sx 82 409C Pesticide Permit: _____

Cooperating Agencies: Cariboo Forest Region

Problem: Demonstrate dwarf mistletoe control options.

Objective(s): 1. Treatment of residuals height less than 3 m on outblock; and
2. Spacing in a 30-year stand with or without sanitation of infected trees.

Scheduled Assessment/Treatment(s): 1988, 1993, 1998, 2003

Termination Date: 2003

Current Report Date: _____

Progress or Status: _____

File: 720-14
Date Established: 1981
Map Reserve: 920-2-4- none

Protection Trial or Demonstration Report

Region: Cariboo

Pest: Dwarf mistletoe

Location: Raven Lake

Project Initiator or Coordinator: Ted Wilford

Other designations (EP, Sx): EP 910.01 Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Spread of mistletoe from standing mature trees into cutblock.

Objective(s): Prevent spread of mistletoe seeds by using a filter of dead trees to intercept dwarf mistletoe seeds.

Scheduled Assessment/Treatment(s): _____

Termination Date: 1983

Current Report Date: _____

Progress or Status: Project unsuccessful; idea didn't work.

File: 720-14
Date Established: 1976
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Cariboo

Pest: Mountain pine beetle

Location: Bull Mountain

Project Initiator or Coordinator: Alan Vyse

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Study of impact of mountain pine beetle on stand LP-DRM stand.

Objective(s): Study ^{of} ~~and~~ released stems left after MPB infestation.

Scheduled Assessment/Treatment(s): _____

Termination Date: 1988 unless extended

Current Report Date: Assessed 1986 - no report as yet (Heath)

Progress or Status: The CFS also studying the area - Rene Alfaro's group.

File: 720-14
Date Established: 1986
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Cariboo

Pest: Pine terminal weevil

Location: Raven Lake

Project Initiator or Coordinator: Dick Heath

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Lodgepole pine terminal damage.

Objective(s): Determine if Pissodes terminalis causes enough damage to justify control action. Plots established in planted and natural stands.

Scheduled Assessment/Treatment(s): Remeasured every 1-3 years.

Termination Date: 20-30 year termination

Current Report Date: 1987

Progress or Status: _____

File: 720-14
Date Established: 1987
Map Reserve: 920-2-4-

Protection Trial or Demonstration Report

Region: Cariboo

Pest: Branch & Leader dieback

Location: Horsefly River

Project Initiator or Coordinator: Wes Mussio/Don Doidge

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: Dieback on Douglas-fir natural planted

Objective(s): Monitor long-term effects of disease(s)

4 areas - 20 plots.

Scheduled Assessment/Treatment(s): Remeasure every three years.

Termination Date: Year 2000

Current Report Date: 1987

Progress or Status: Report PM-C-4

PROJECTS IN SEVERAL REGIONS

File: 720-14
Date Established: _____
Map Reserve: 920-2-4-_____

Protection Trial or Demonstration Report

Region: Nelson, Prince George, Prince Rupert

Pest: Lodgepole pine stem diseases

Location: Houston, Bowes Creek, Vanderhoof, Beaverdell

Project Initiator or Coordinator: B. van der Kamp, Univ. B.C. 228-2728

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: FRDA Backlog Res. Project 3.7

Problem: Unknown impact of stem diseases and effects of spacing.

Objective(s): Long-term monitoring disease incidence and effects following spacing.

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: For Chronicle article submitted.

APPENDIX 1. SUMMARY OF CATALOGUE OBJECTIVES,
SUITABLE PROJECTS, AND PROCEDURES.

CATALOGUE OF PEST MANAGEMENT TRIALS AND DEMONSTRATIONS

1. Objective

The listing of pest management operational trials and demonstration areas is intended to keep staff informed of established projects and recent progress.

2. Projects for Inclusion in the Catalogue

2.1 Any pest management and other silvicultural trial, experimental project and cooperative project with the Canadian Forestry Service or other agency may be listed in the catalogue if it is relevant to forest and range pest management in British Columbia.

3. General Procedure to List a Project

3.1 Project initiators or coordinators will prepare a project report on the attached form.

3.2 The catalogue will be maintained at Protection Branch. Copies of all the reports will be sent to all cooperators.

3.3 Contributors will be responsible for providing up-dated reports based on re-measurements, new observations or scheduled treatments. New reports will be copied and distributed by Protection Branch to holders of the catalogue.

4. Filing Procedures

4.1 Map reserves for pest management trial and demonstration areas will be established by Timber Management in each Region on file 920-2-4. The file 920-13 previously proposed by P. Wood is redundant and will not be used for further map reserves. Projects already listed on 920-13 will be retained.

4.2 Where trials or projects are already documented in other systems, e.g., Silviculture Branch Silvicultural Trials (Sx) and Research Branch Experimental Projects (E.P.), only brief reference will be made in the catalogue.

4.3 Project maps, data and reports will be filed as usual by the project coordinator.

APPENDIX 2. SAMPLE REPORT FORM

File: 720-14

Date Established: _____

Map Reserve: 920-2-4- _____

Protection Trial or Demonstration Report

Region: _____

Pest: _____

Location: _____

Project Initiator or Coordinator: _____

Other designations (EP, Sx): _____ Pesticide Permit: _____

Cooperating Agencies: _____

Problem: _____

Objective(s): _____

Scheduled Assessment/Treatment(s): _____

Termination Date: _____

Current Report Date: _____

Progress or Status: _____