BRITISH COLUMBIA

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November 13, 1996

Dear Licensee:

Attached for your information and use is a document entitled "Responsibilities for Controlling Bark Beetles in the Lakes Forest District". This document outlines your responsibilities for managing and controlling bark beetles under your licence and within the areas under your licence. The outline formalizes the district's position and follows exactly the bark beetle matrix which is currently in effect.

If you have any questions, please contact the Forest Health staff or myself at 692-2200.

Yours truly,

Mark Vieweg

Mark Vieweg
Senior Zone Forester
Lakes Forest District

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RESPONSIBILITIES FOR CONTROLLING BARK BEETLES IN THE LAKES FOREST DISTRICT

Effective Date: September 1, 1996

PURPOSE:

To identify the responsibilities of the Ministry of Forets and the forest industry for controlling bark beetles within the Lakes Forest District.

INTRODUCTION:

The determination of responsibilities are identified under Section 4 of the *Ministry of Forests Act*, Section 28(1)d of the *Forest Act*, Section 17(3)c of the *Forest Practices Code of British Columbia Act* and Sections 13(1) & (2), 15(6)e and 29(1) & (2) of the *Forest Practices Code of British Columbia Act*. (Operational Planning Regulations).

EXPLANATION OF THE AREA UNDER THE FOREST DEVELOPMENT PLAN:

The "area under forest development plans", Sections 13 of the *Forest Practices Code of British Columbia Act* (Operational Planning Regulations), is further defined as:

> the area within 400 meters of all approved and existing roads and cutblocks in a five year forest development plan including roads leading into areas encompassed by the five year forest development plan. This could include a complete forest planning cell at the District Manager's discretion where the licensee has, or will have, substantial operations in a planning cell which is at risk to bark beetles.

EXPLANATION OF RESPONSIBILITIES

1 Responsibilities of volume-based tenure-holders in the "area under forest development plans

> risk/hazard rating, detailed flying, colour photos, ground surveys, management strategies, pheromone baits, MSM (monosodium methane arsonate) treatments, fall and burn, conventional trap trees, sanitation harvesting and prevention (e.g. harvesting blowdown and timber types most susceptible to beetle attack, slash hazard abatement, and developing access).

2 Responsibilities of area-based tenure-holders

> all activities mentioned in section within the boundaries of their tenure

3 Responsibilities of Ministry of Forests

aerial overviews and operational sketch mapping for the Lakes Forest District

risk/hazard rating, detailed flying, colour photos, ground surveys, management strategies, pheromone baits, MSMA (monosodium methane arsonate) treatments, fall and burn, conventional trap trees and sanitation harvesting within unallocated planning cells and the area greater than 400 meters from approved and existing roads and cutblocks in a licensee's five year forest development plan.

SURVEY DEFINITIONS:

Aerial Overviews: usually conducted at a scale of 1:250,000 by district staff. In addition to a map, these overviews should also produce good information on the area affected by pest type.

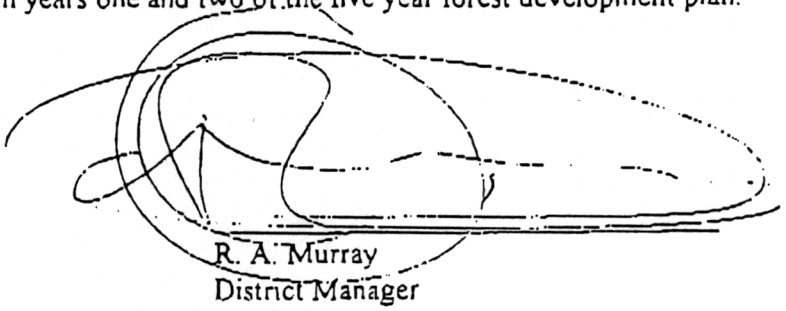
Operational Sketch Mapping: joint flights with ministry and licensee representatives to more accurately map areas of attack for the purpose of amending development plans. Usually conducted at a scale of 1:50,000 from an elevation of 500 to 750 meters. In addition to a map these overviews should also produce good information on the area affected by pest type.

Detailed Flying: more detailed flying than the above usually with rotary winged aircraft to more accurately detect damaged timber, i.e., block layout or GPS work. This work is usually conducted at a scale of 1:10,000 and can be conducted by either the Ministry of Forests or licensees.

Ground Surveys: includes probes and walk throughs.

Risk/Hazard Rating: rating the susceptibility of forest stands to attacks by bark beetles.

Approved cutblocks and roads: the responsibilities mentioned for approved cutblocks and roads only apply to blocks in years one and two of the five year forest development plan.



R. A. Murray
District Manager

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Appendix A—FUNDING RESPONSIBILITIES MATRIX

	Area Based		Volume Based	
ACTIVITY[1]	WOODLOT LICENSE	TFL	HARVEST AREA	VACANT CR. LND.
1. Surveys				
• aerial				
overview	BCFS	LIC.	BCFS	BCFS
detailed	BCFS	LIC.	LIC.	BCFS
photos	BCFS	LIC.	LIC.	BCFS
• ground				
walk through	BCFS	LIC.	LIC.	BCFS
probe	BCFS	LIC.	LIC.	BCFS
2. Treatment[2]				
• baiting	LIC.	LIC.	LIC.	BCFS
• trap trees				
conventional	LIC.	LIC.	LIC.[3]	BCFS[4]
lethal	BCFS	LIC.	BCFS	BCFS
• fall & burn	BCFS	LIC.	BCFS	BCFS
• sngl tree removal	LIC.	LIC.	LIC.[3]	BCFS[4]
• MSMA (post attack)	BCFS	LIC.	BCFS	BCFS
3. Prevention				
• blowdown	LIC.	LIC.	LIC.	BCFS[4]
• slash abatement	LIC.	LIC.	LIC.	N/A
• access	LIC.	LIC.	LIC.	BCFS

1. Procedures for specific activities are as defined in *Regional Standard Operating Procedures*.
2. Some of these activities may be recognized through appraisal cost estimates if costs are significant.
3. The responsibilities for this activity include a 400m buffer around proposed/existing cutblocks and proposed/existing roads leading to and within the planning cell. Where licensees share maintenance costs on roads, then costs for this activity will be paid on a pro-rated basis.
4. BCFS responsible for survey and layout costs only, licensee responsible for logging costs.