

FIDS Report 87-11

**MAPS OF MAJOR FOREST
INSECT INFESTATIONS
PRINCE GEORGE FOREST REGION
1944-1986**

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Victoria, B.C. V8Z 1M5

1987

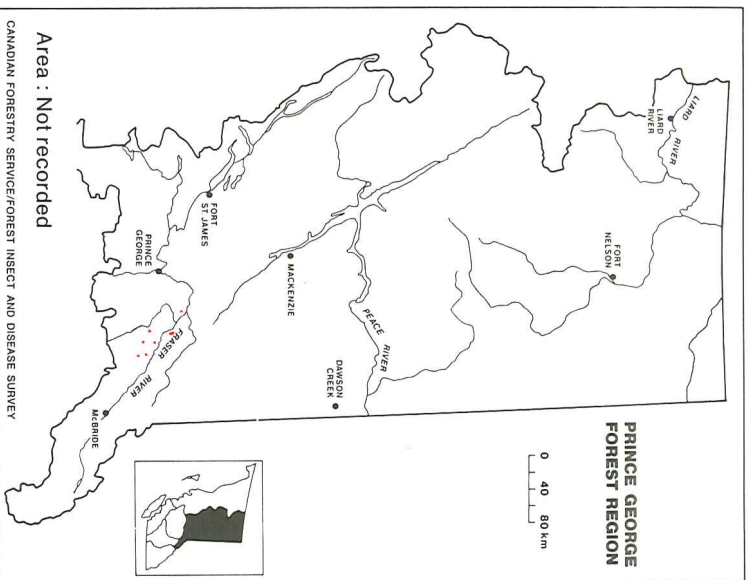
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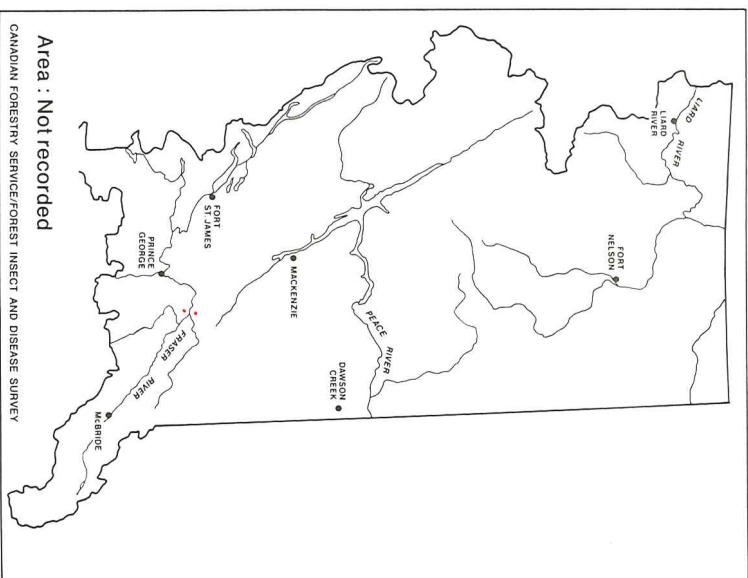
Introduction

This report compliments the earlier published History of Population Fluctuations and Infestations of Important Forest Insects in the Prince George Forest Region, as it's boundaries exist today. The maps are based on aerially, and in some cases, ground visible damage as recorded in the Forest Insect and Disease Survey annual reports. Damage was not apparent or not recorded in those years not represented by a map. Area of infestation and number of trees are not available for some of the pre-1970 outbreaks and are noted as not being recorded.

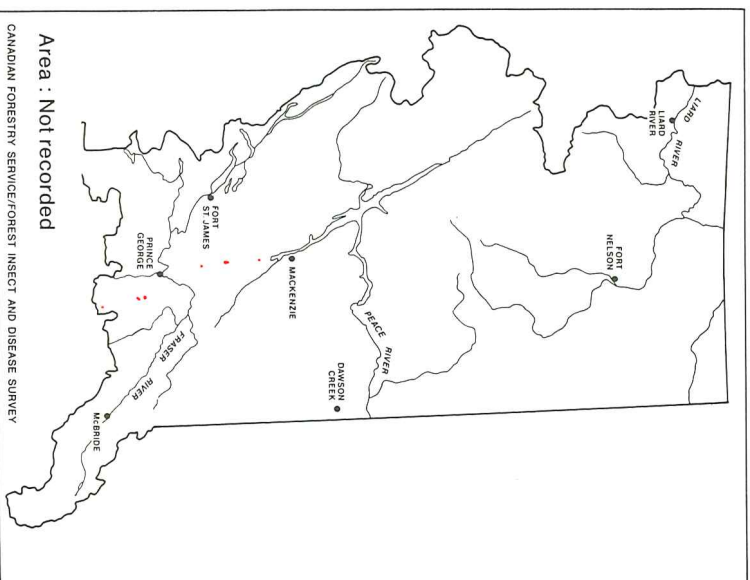
SPRUCE BEETLE



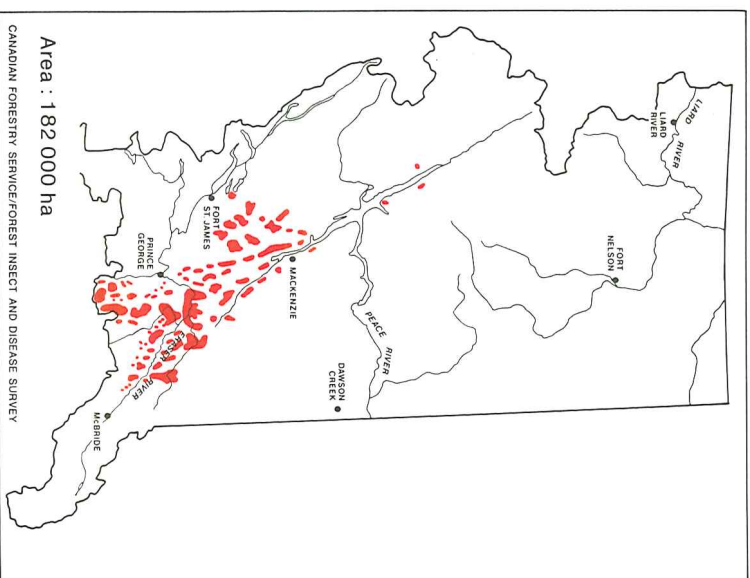
Spruce beetle, 1950-54



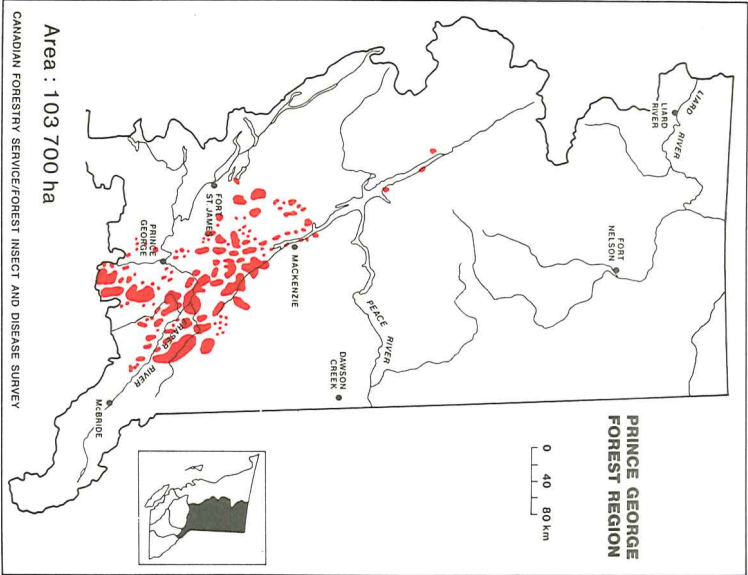
Spruce beetle, 1955-58



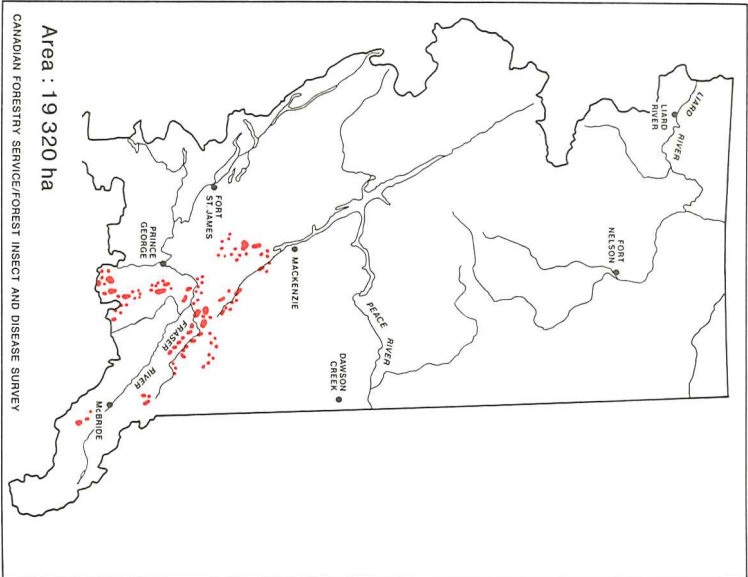
Spruce beetle, 1959-62



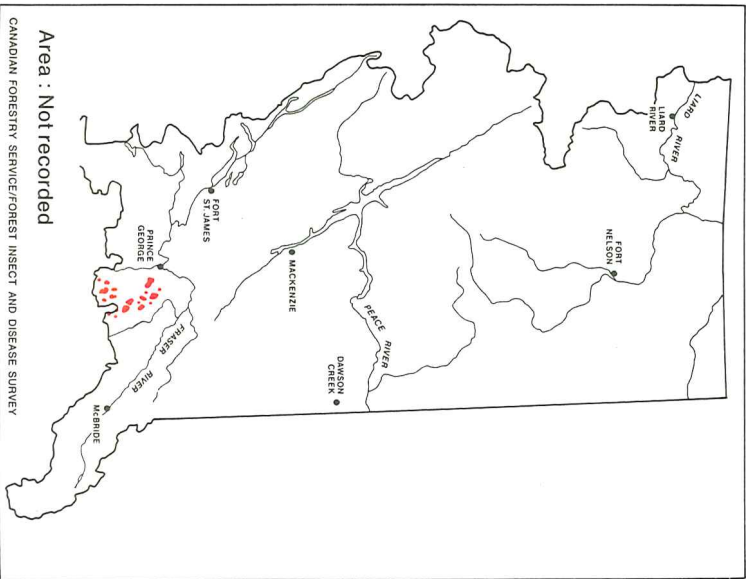
Spruce beetle, 1963



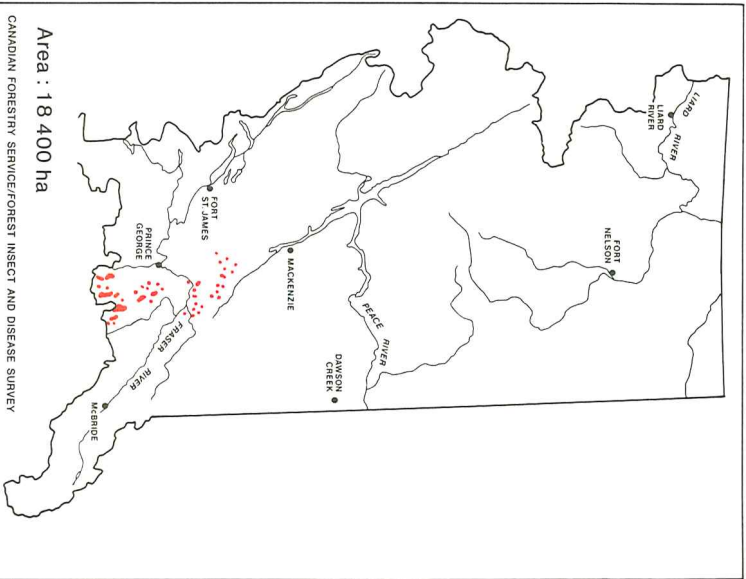
Spruce beetle, 1964



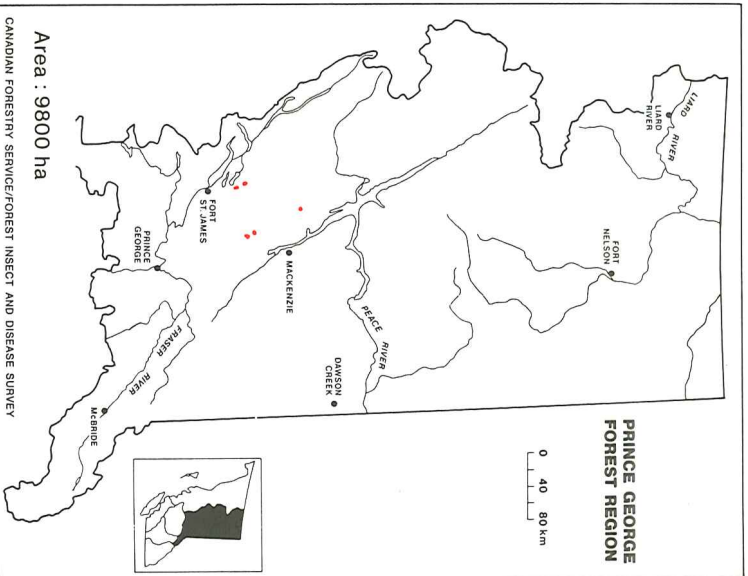
Spruce beetle, 1965



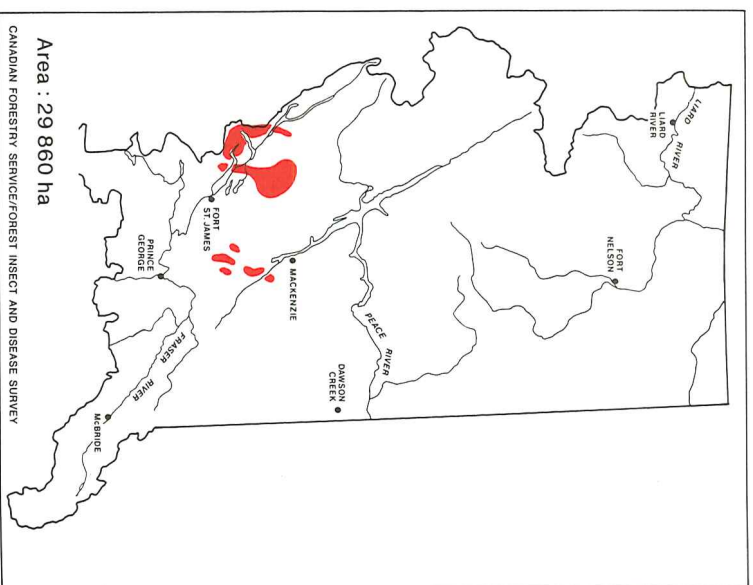
Spruce beetle, 1966-68



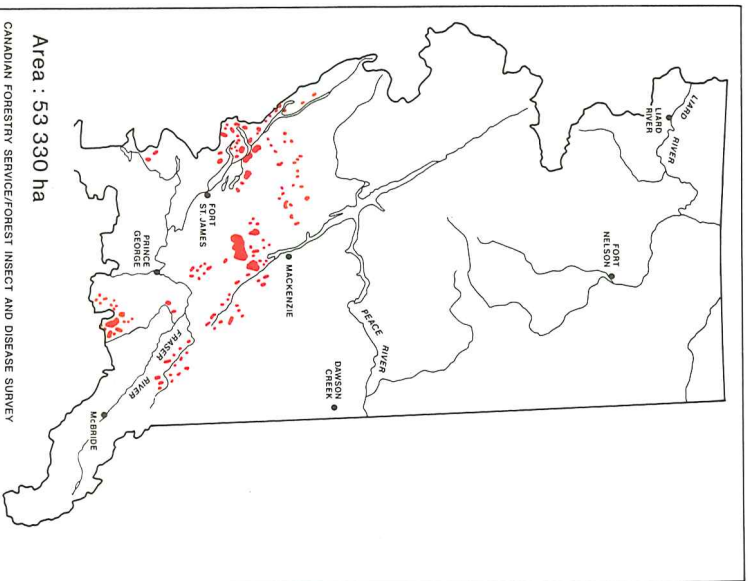
Spruce beetle, 1969-70



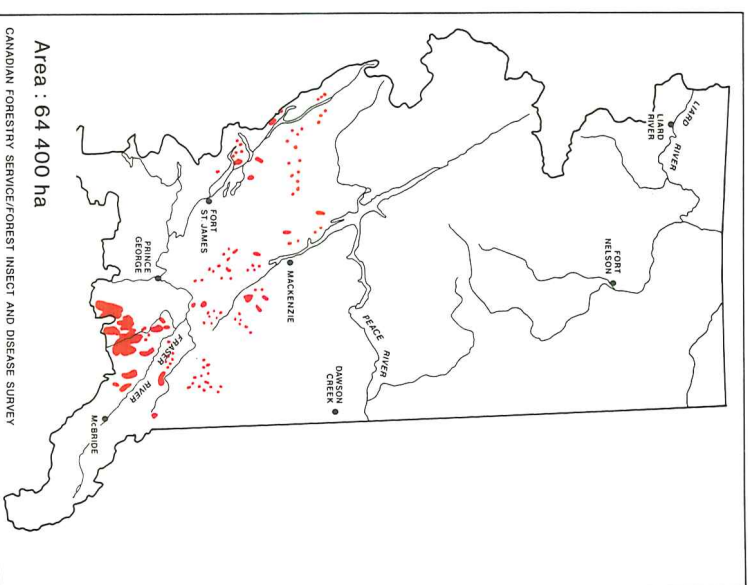
Spruce beetle, 1971-77



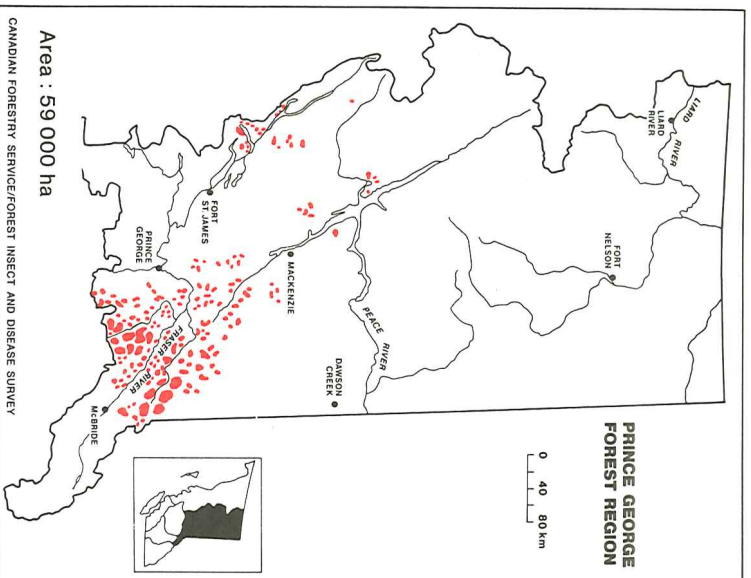
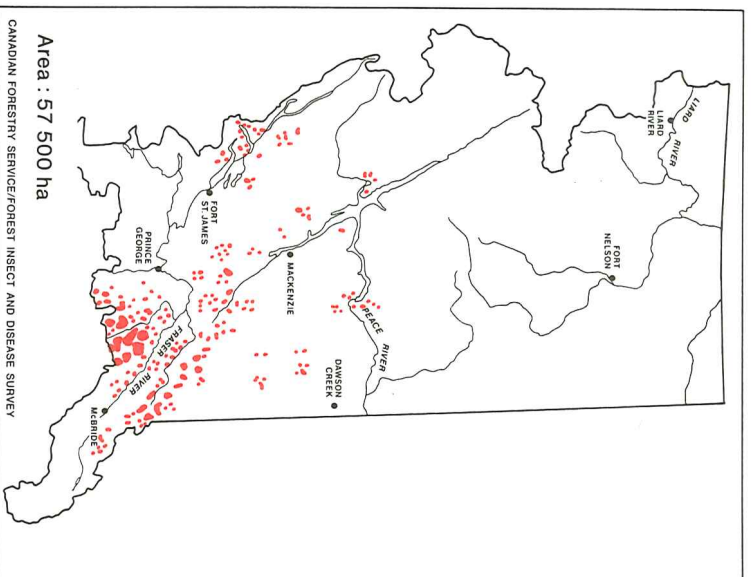
Spruce beetle, 1978



Spruce beetle, 1979

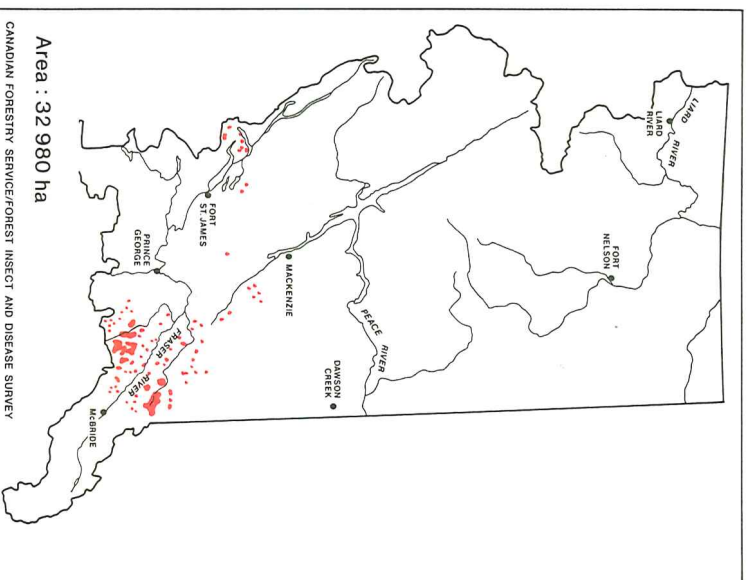


Spruce beetle, 1980

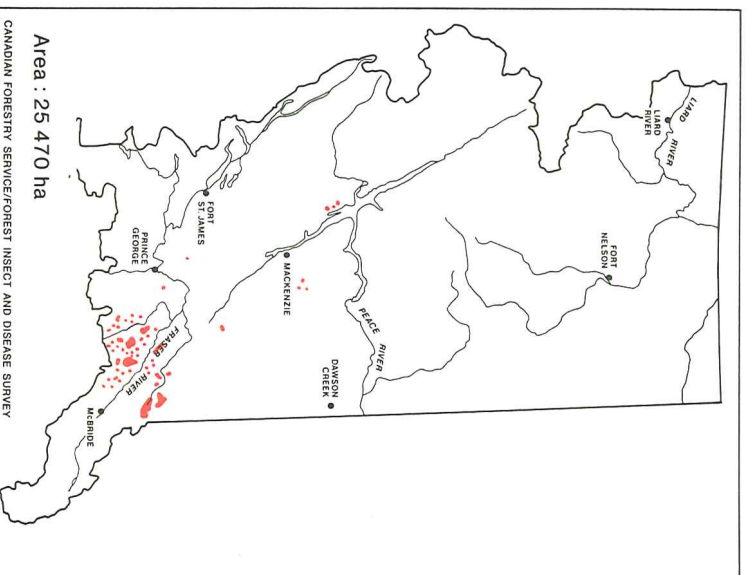


Spruce beetle, 1981

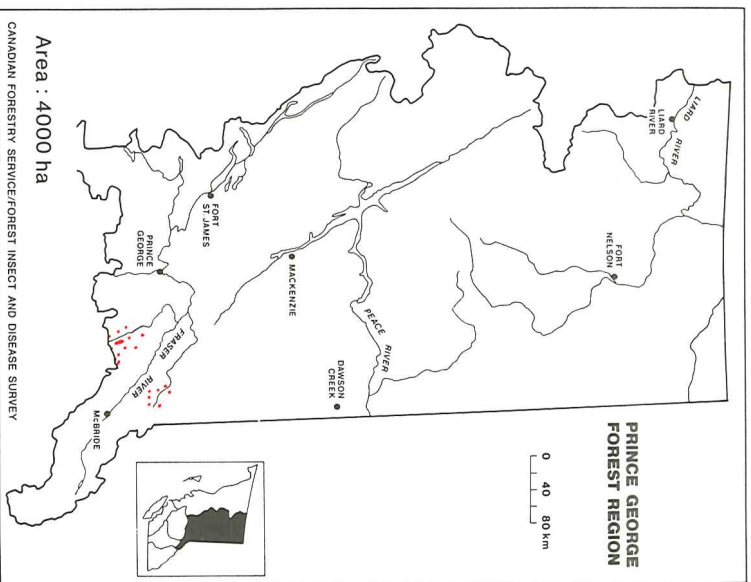
Spruce beetle, 1982



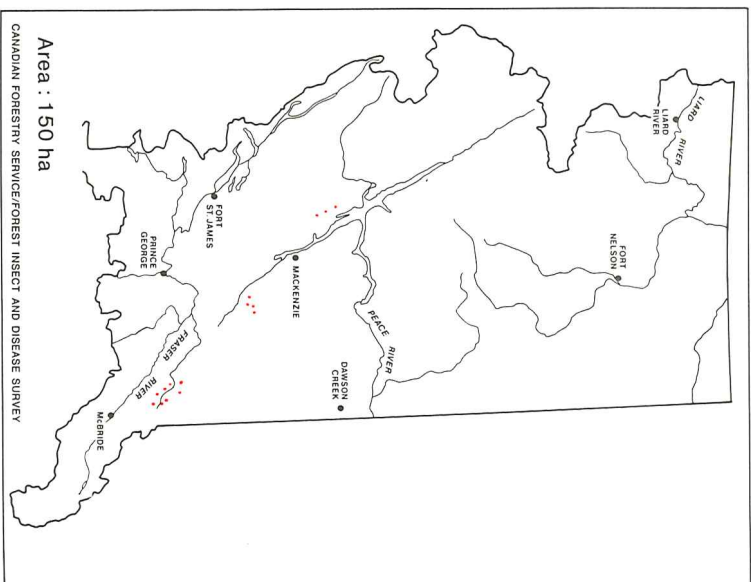
Spruce beetle, 1983



Spruce beetle, 1984

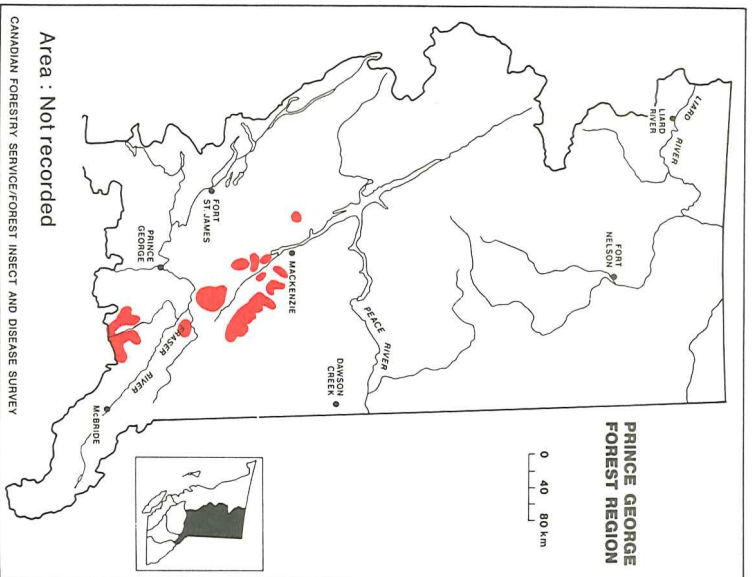


Spruce beetle, 1985



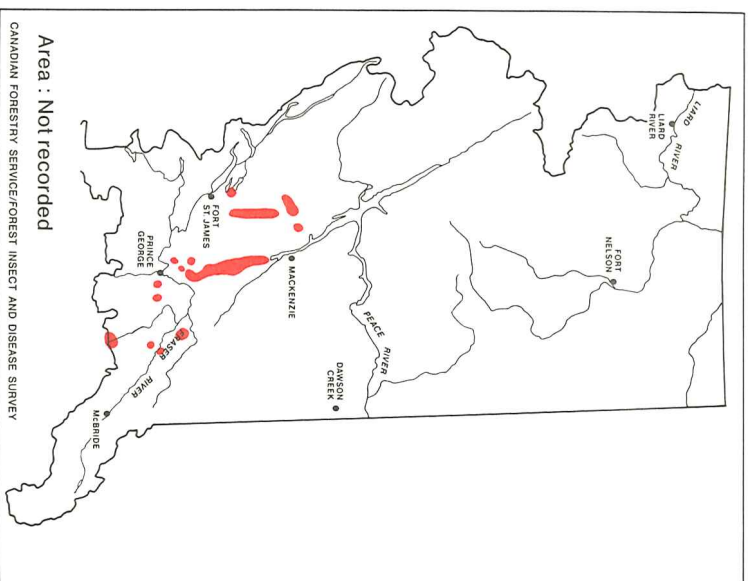
Spruce beetle, 1986

TWO-YEAR-CYCLE SPRUCE BUDWORM



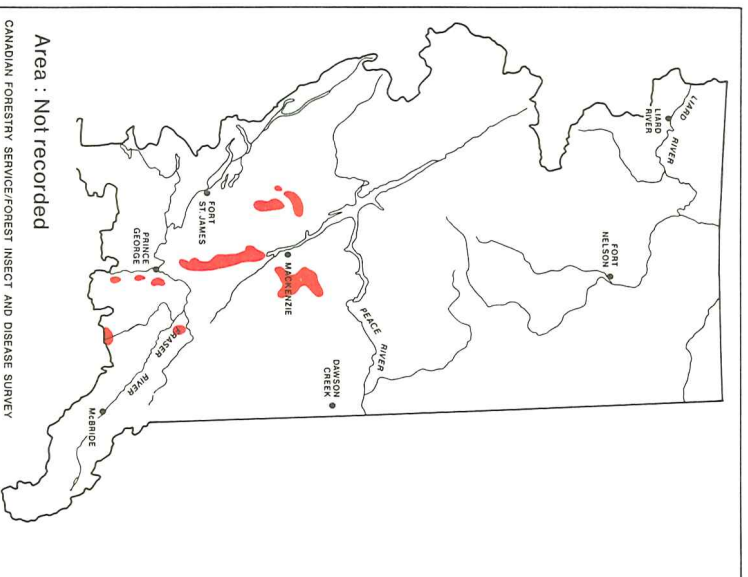
Area : Not recorded

Two-year-cycle spruce budworm, 1950



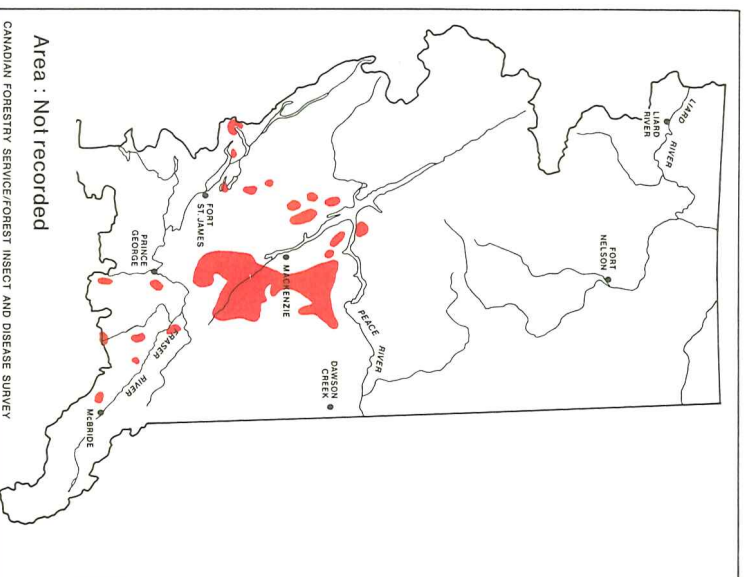
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Two-year-cycle spruce budworm, 1951



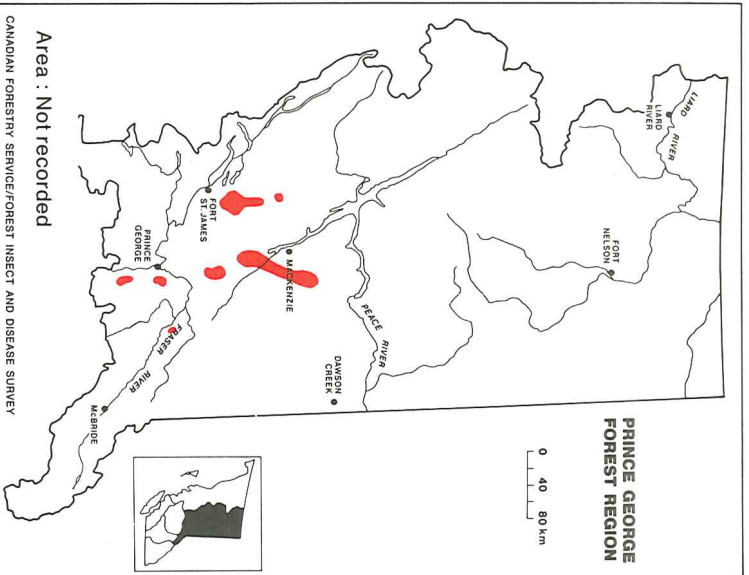
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Two-year-cycle spruce budworm, 1952-53

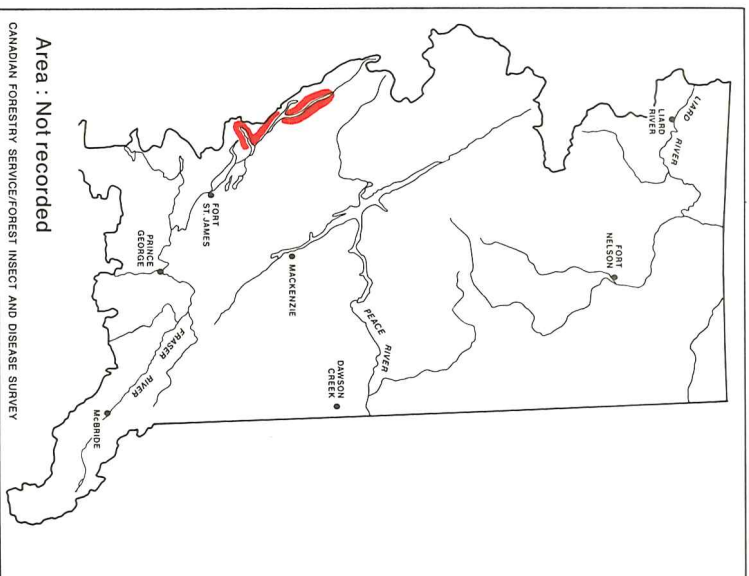


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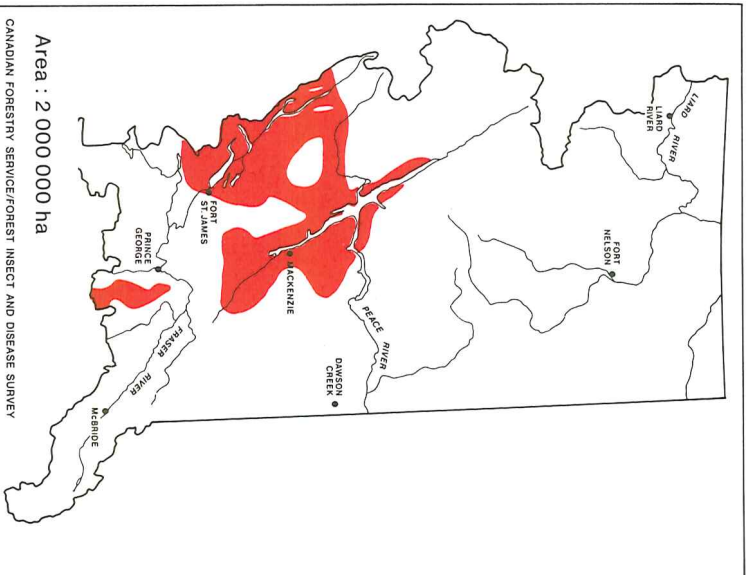
Two-year-cycle spruce budworm, 1954



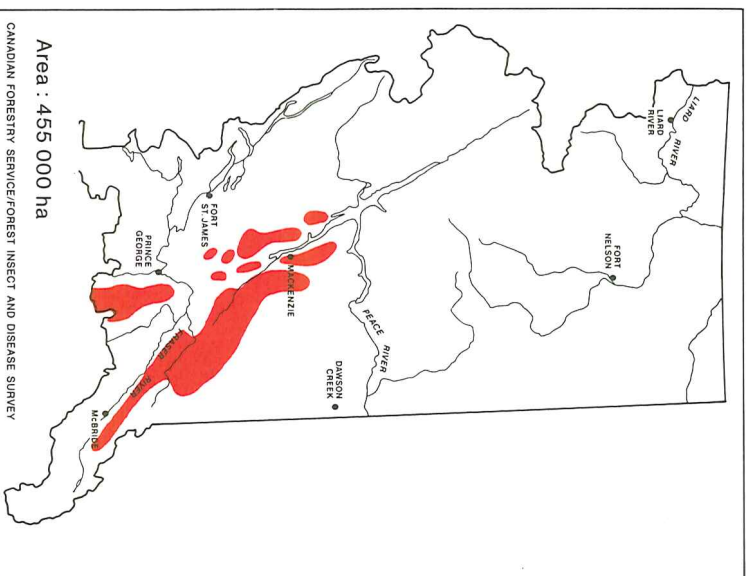
Two-year-cycle spruce budworm, 1955-57



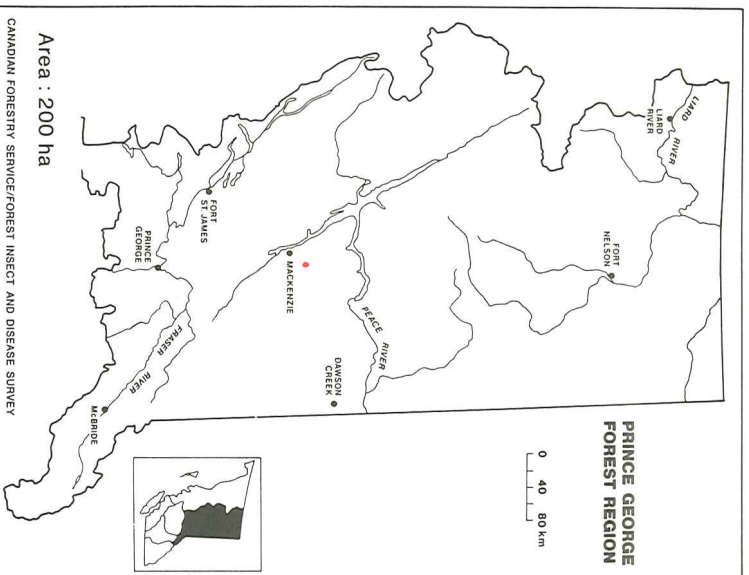
Two-year-cycle spruce budworm, 1958-59



Two-year-cycle spruce budworm, 1960

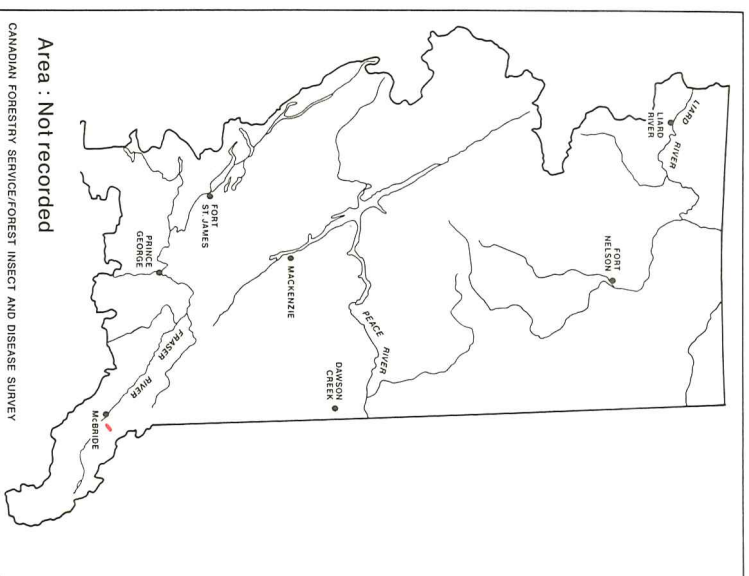


Two-year-cycle spruce budworm, 1961-63



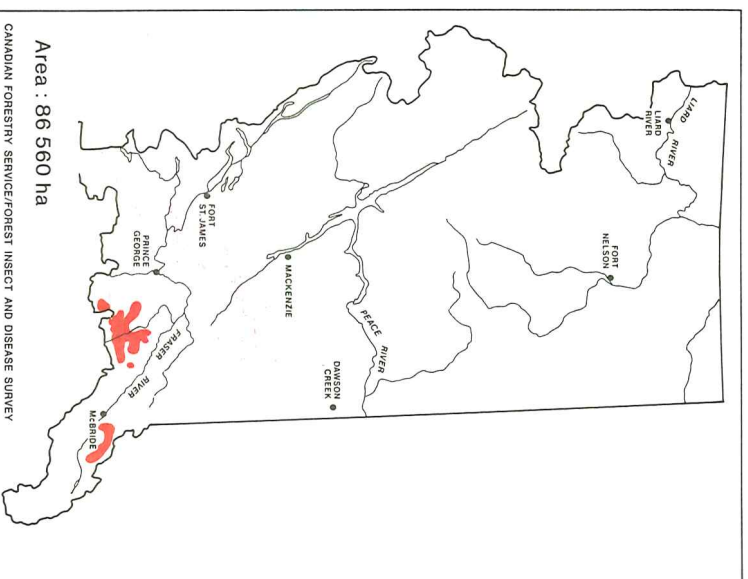
Area : 200 ha

Two-year-cycle spruce budworm, 1964



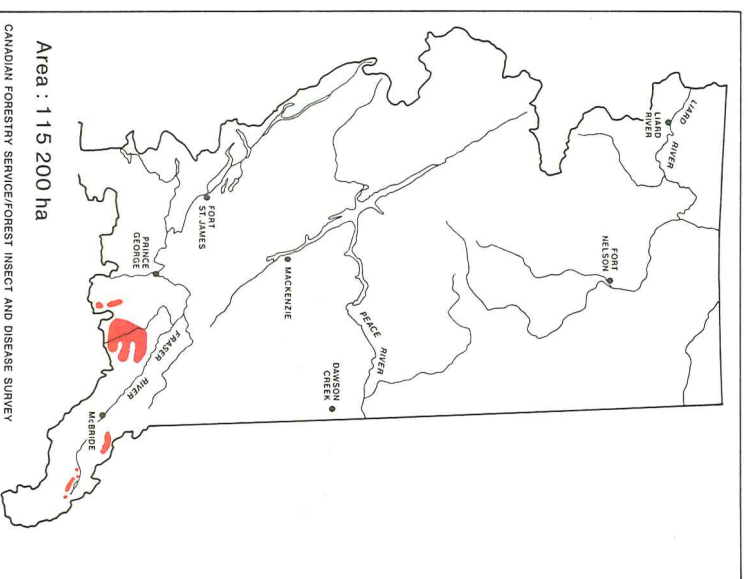
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Two-year-cycle spruce budworm, 1976-77



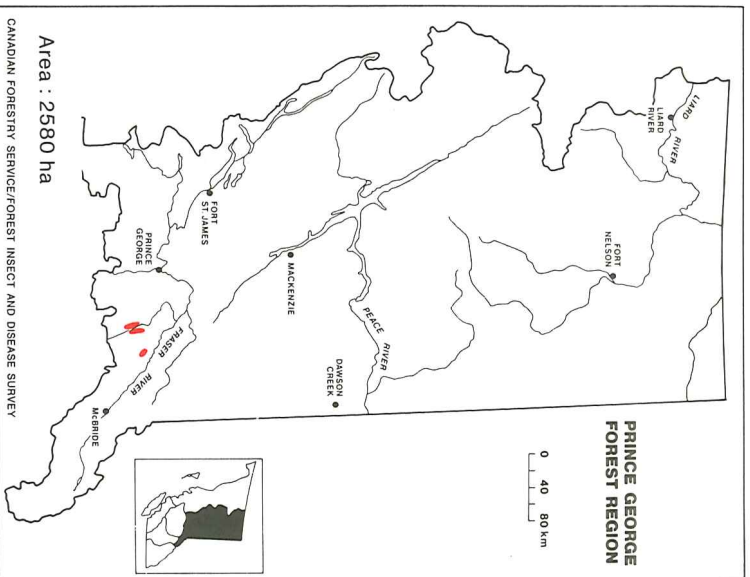
Area : 86 560 ha

Two-year-cycle spruce budworm, 1978-79

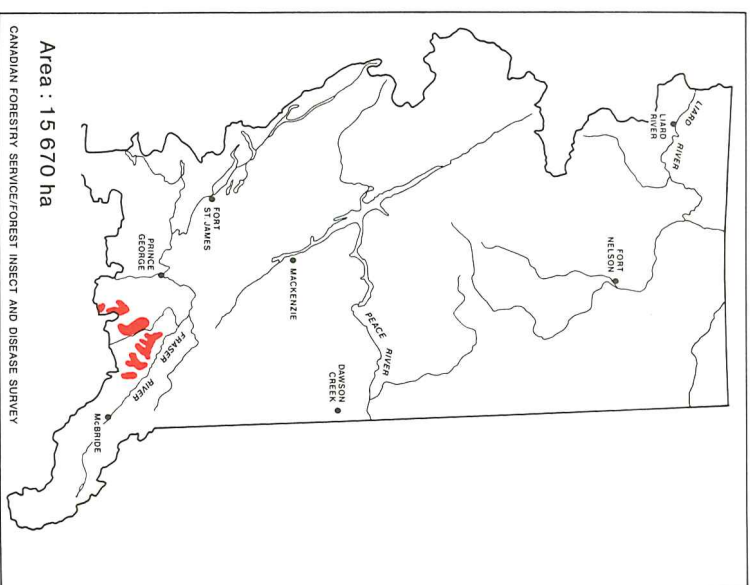


Area : 115 200 ha

Two-year-cycle spruce budworm, 1980-83

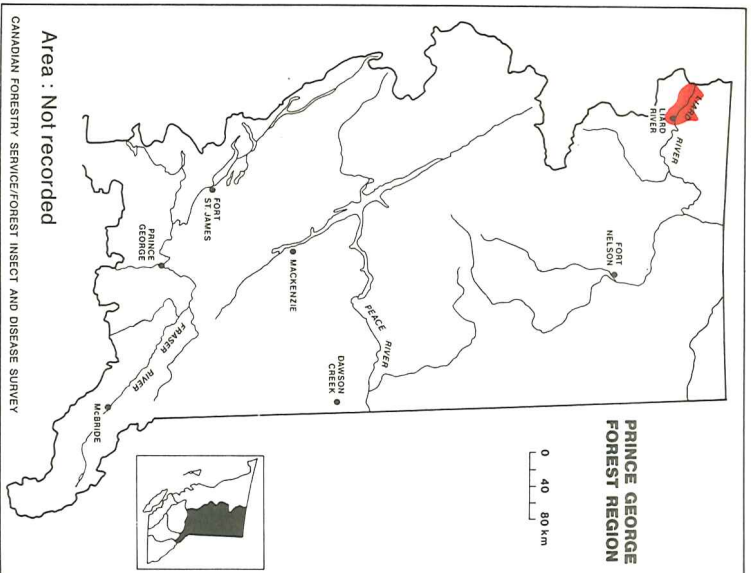
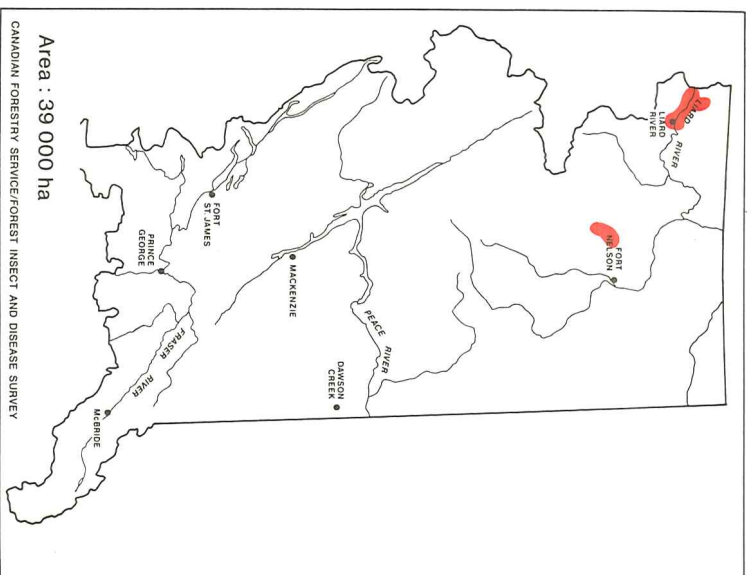


Two-year-cycle spruce budworm, 1984-85



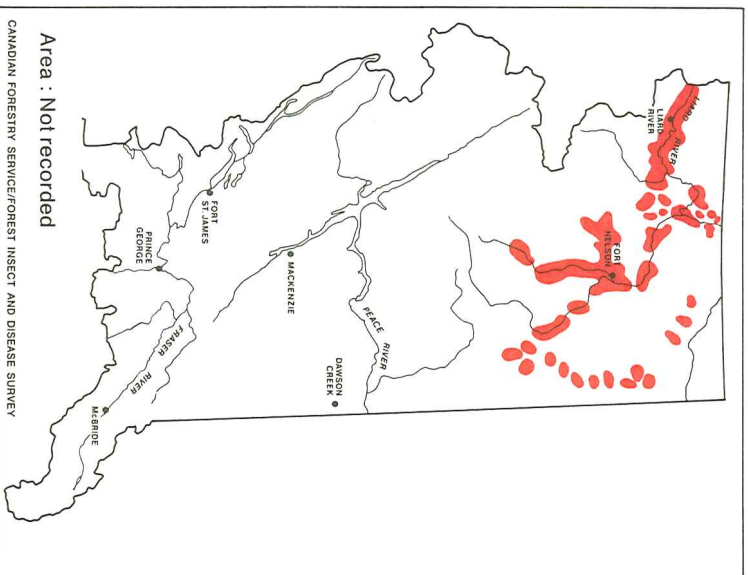
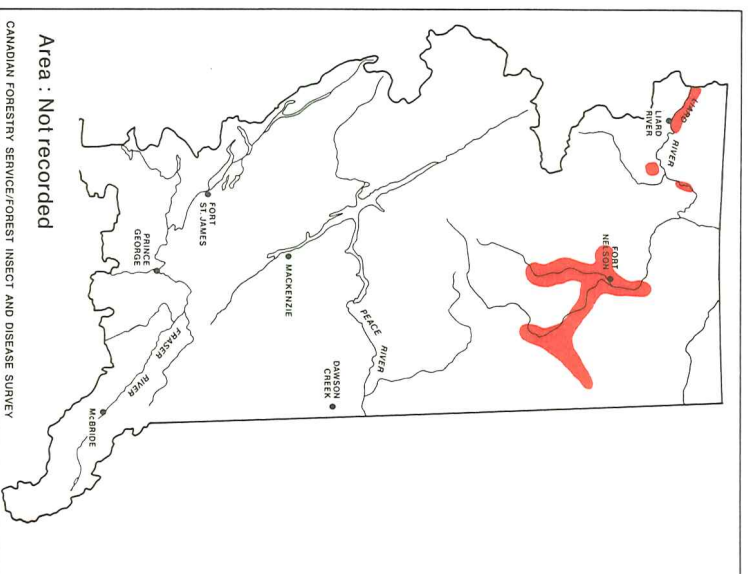
Two-year-cycle spruce budworm, 1986

EASTERN SPRUCE BUDWORM



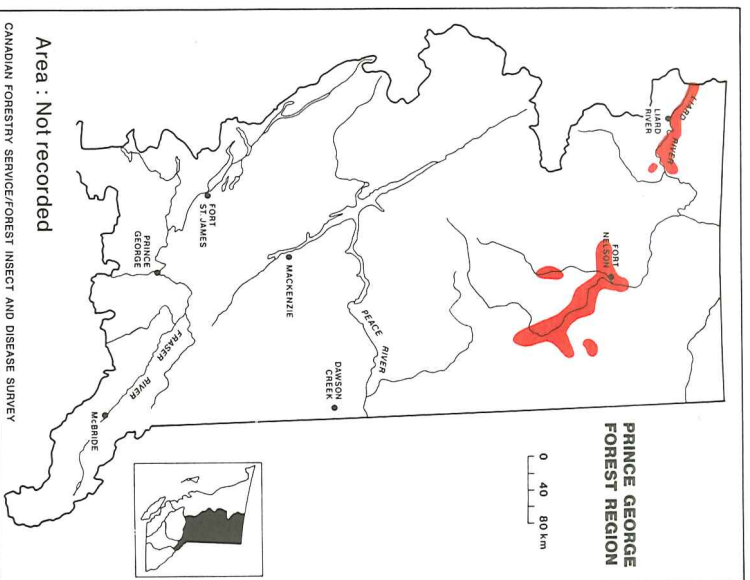
Eastern spruce budworm, 1959-61

Eastern spruce budworm, 1962-63



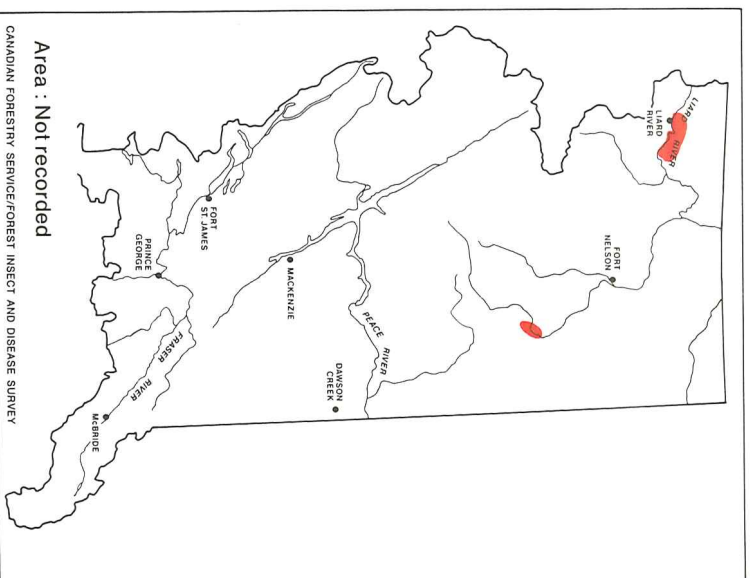
Eastern spruce budworm, 1964-66

Eastern spruce budworm, 1967



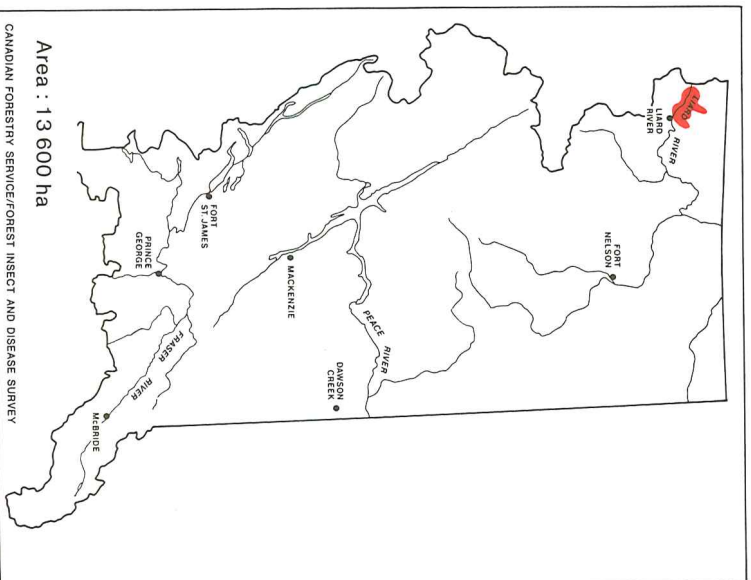
Area : Not recorded

Eastern spruce budworm, 1968



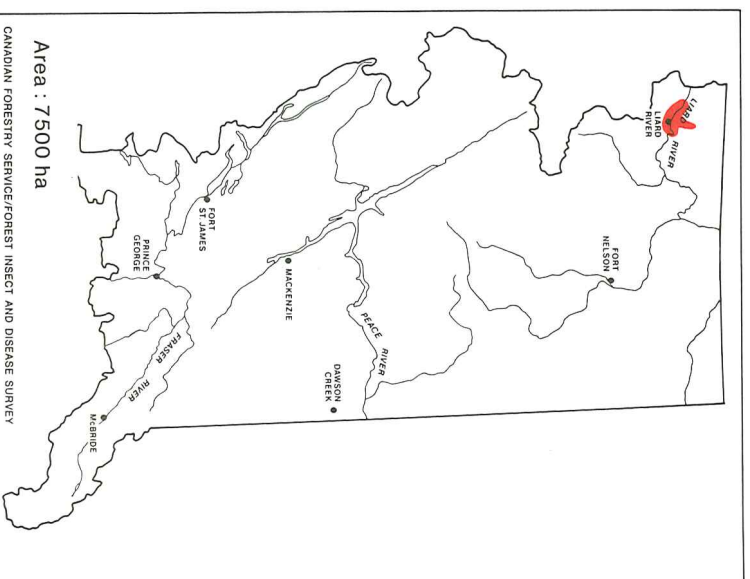
Area : Not recorded

Eastern spruce budworm, 1969-70



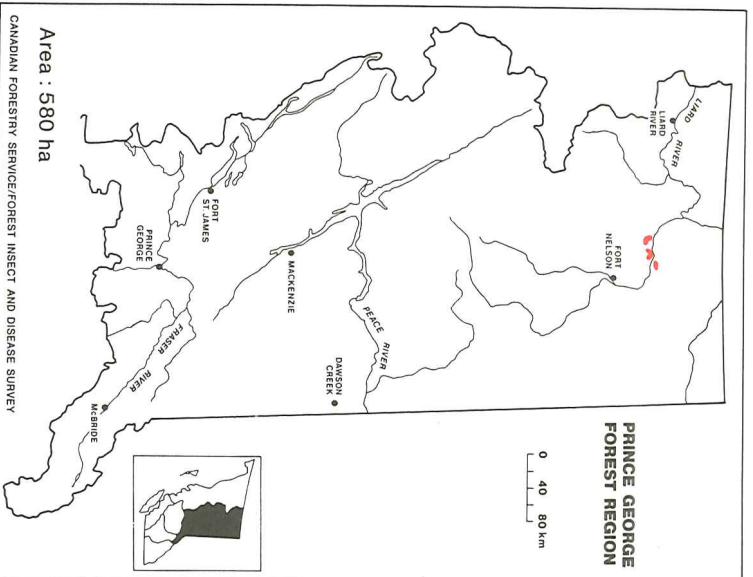
Area : 13 600 ha

Eastern spruce budworm, 1971-76

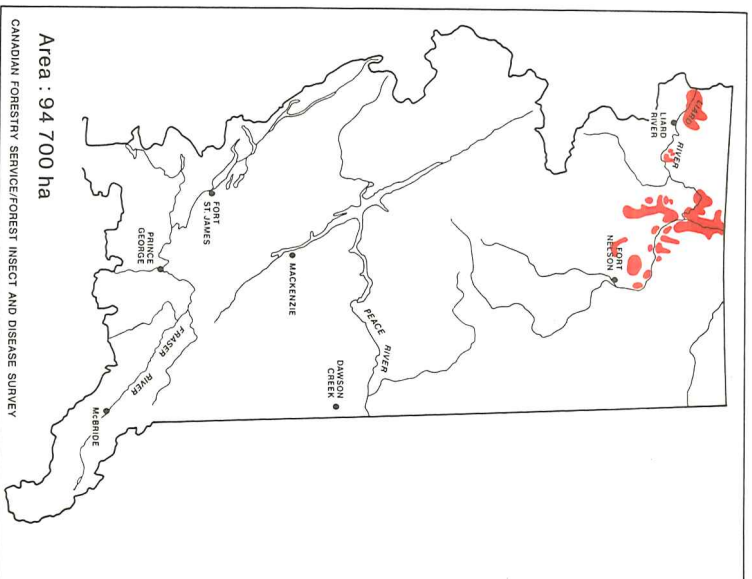


Area : 7500 ha

Eastern spruce budworm, 1984

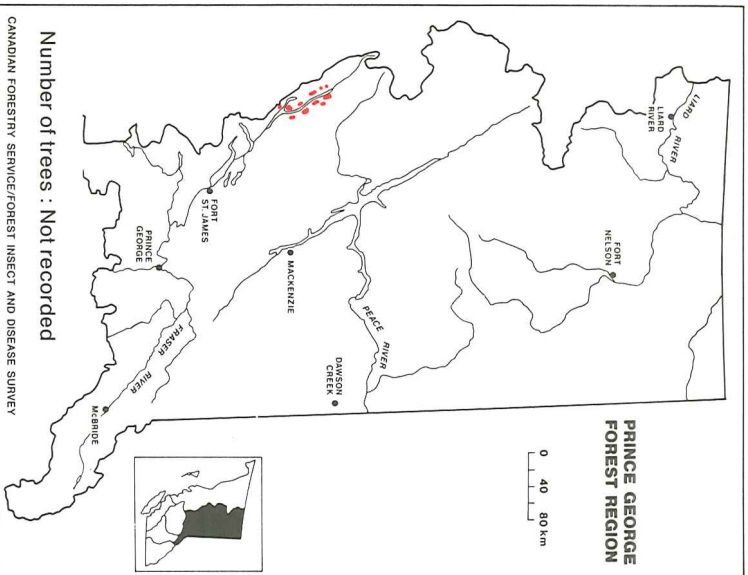
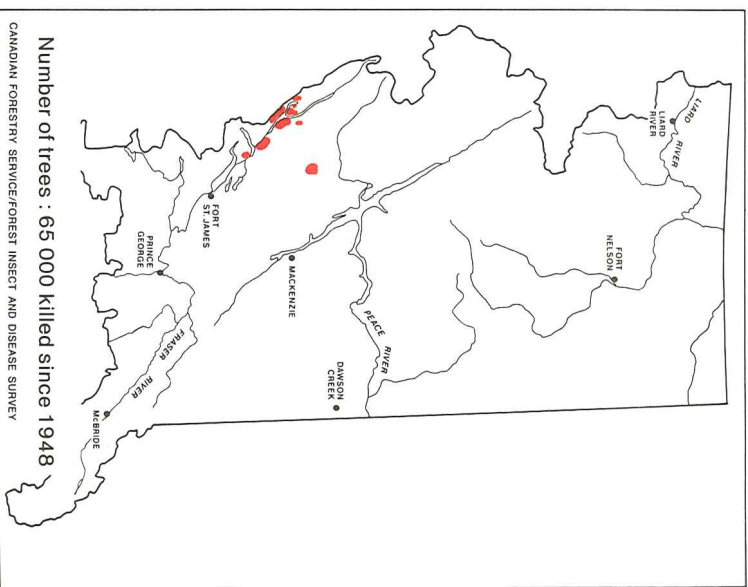


Eastern spruce budworm, 1985



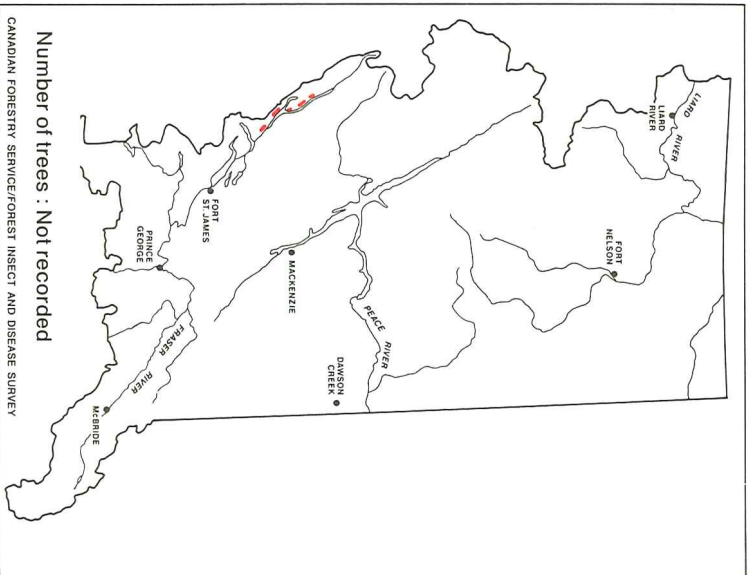
Eastern spruce budworm, 1986

MOUNTAIN PINE BEETLE

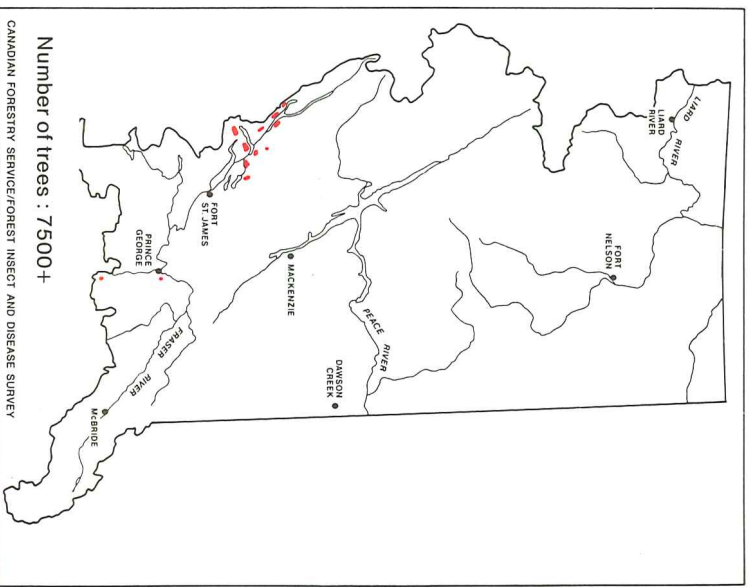


Mountain pine beetle, 1948

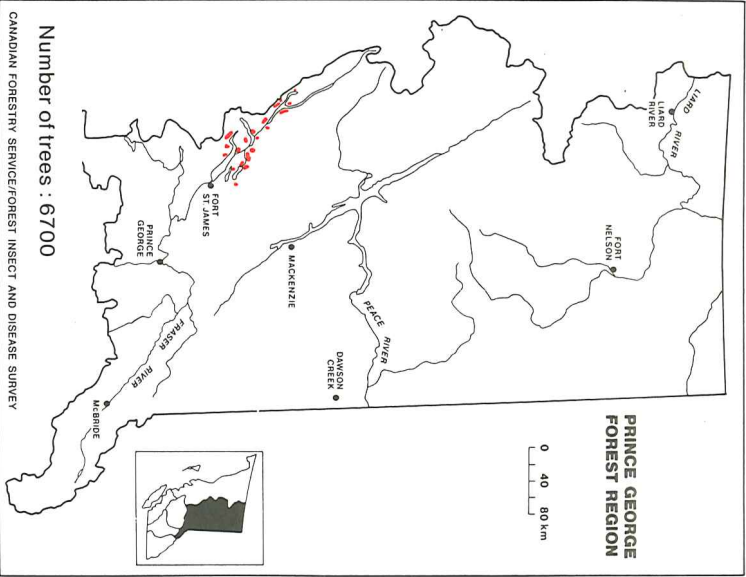
Mountain pine beetle, 1955-56



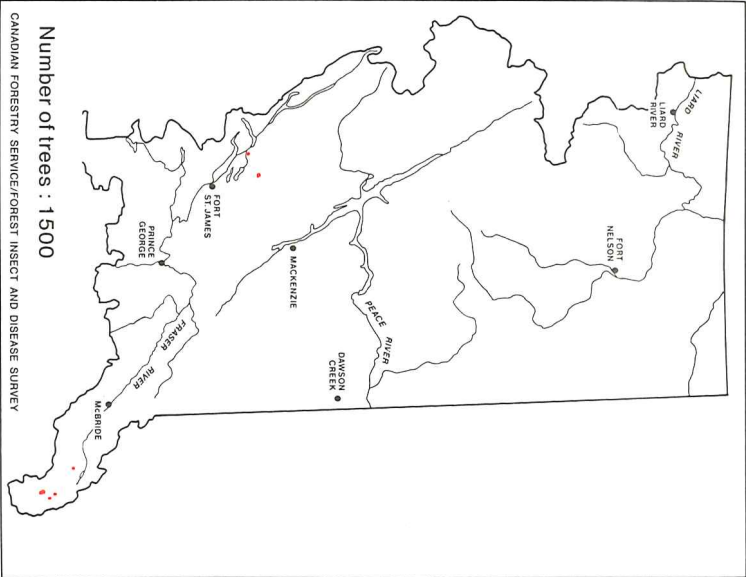
Mountain pine beetle, 1957-59



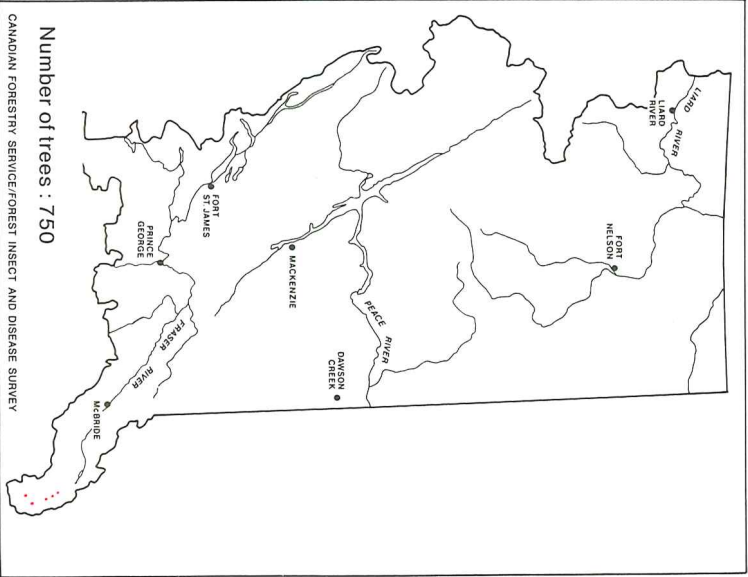
Mountain pine beetle, 1960-63



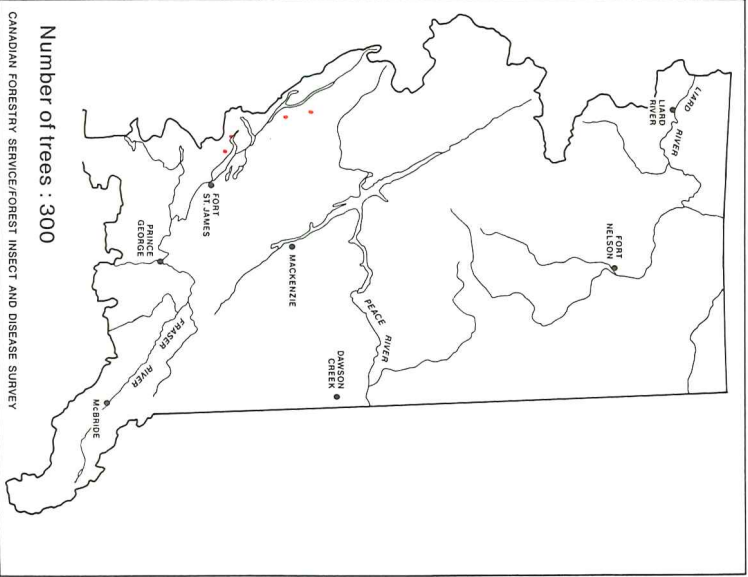
Mountain pine beetle, 1964-65



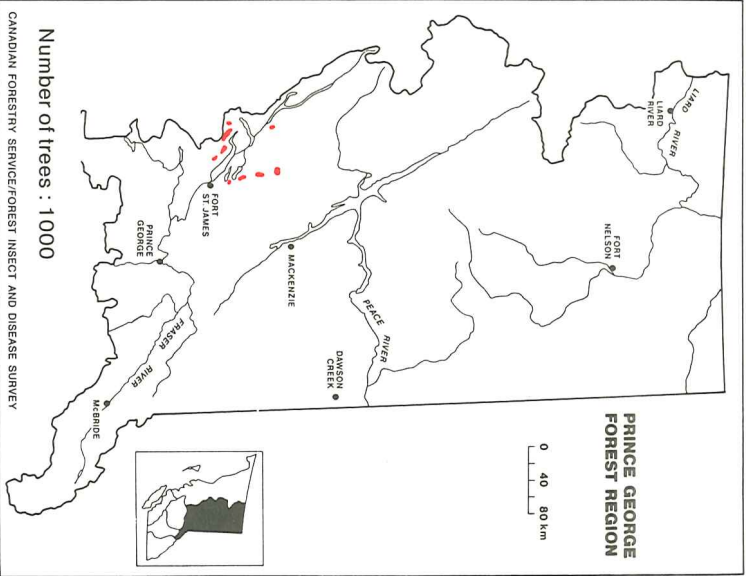
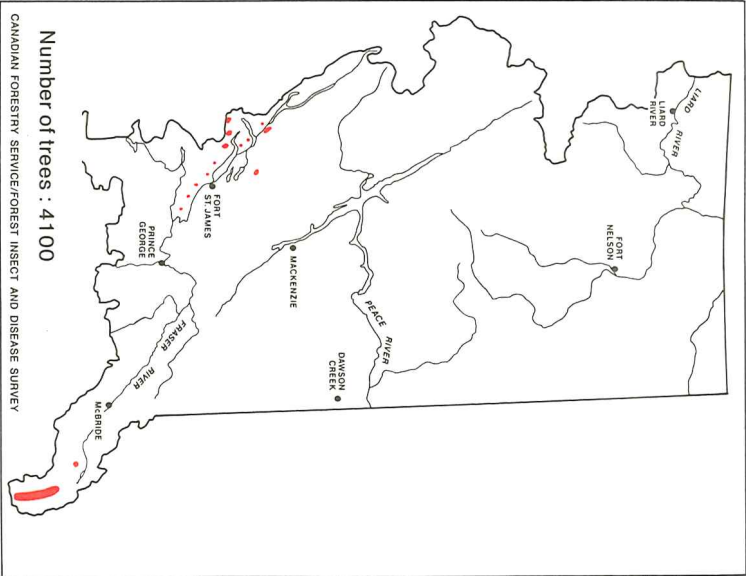
Mountain pine beetle, 1966-71



Mountain pine beetle, 1972-74

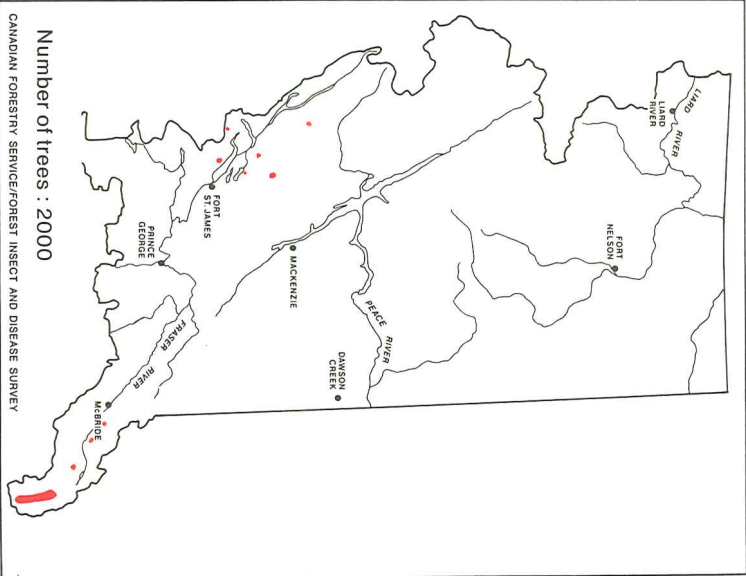


Mountain pine beetle, 1975

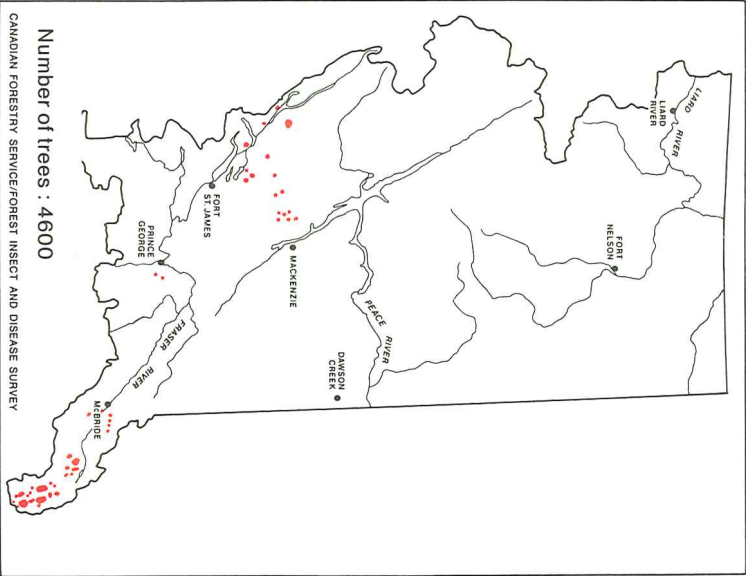


Mountain pine beetle, 1976

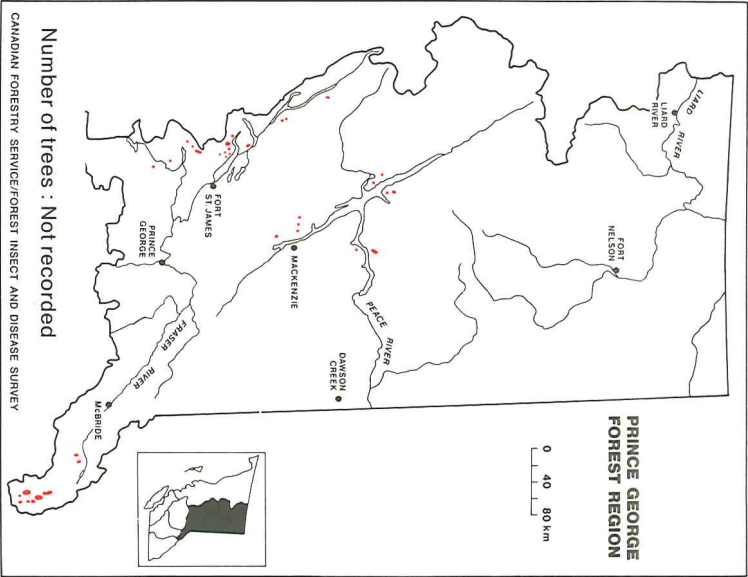
Mountain pine beetle, 1977



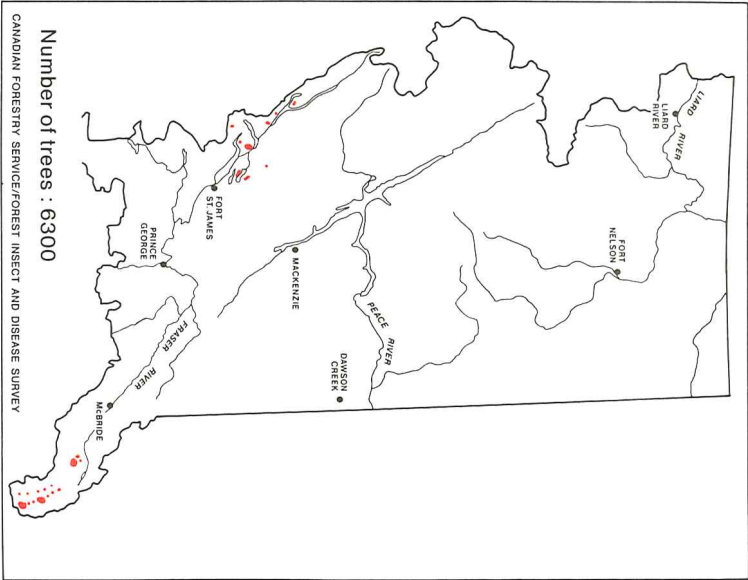
Mountain pine beetle, 1978



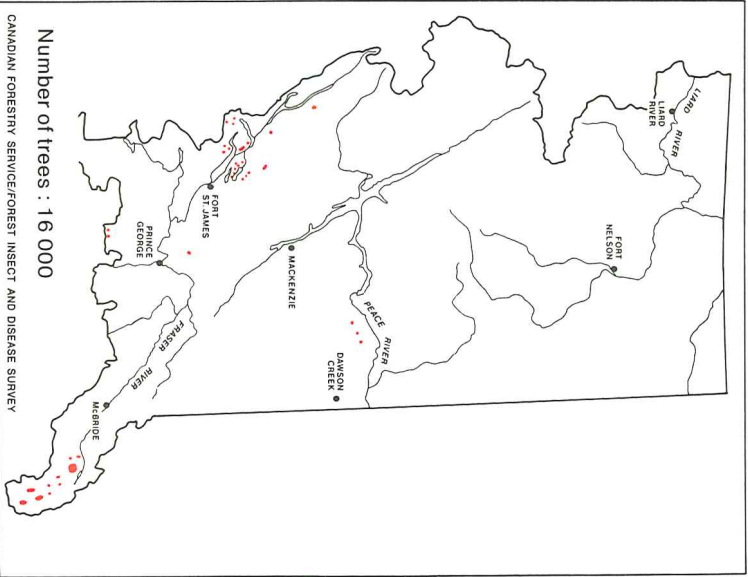
Mountain pine beetle, 1979



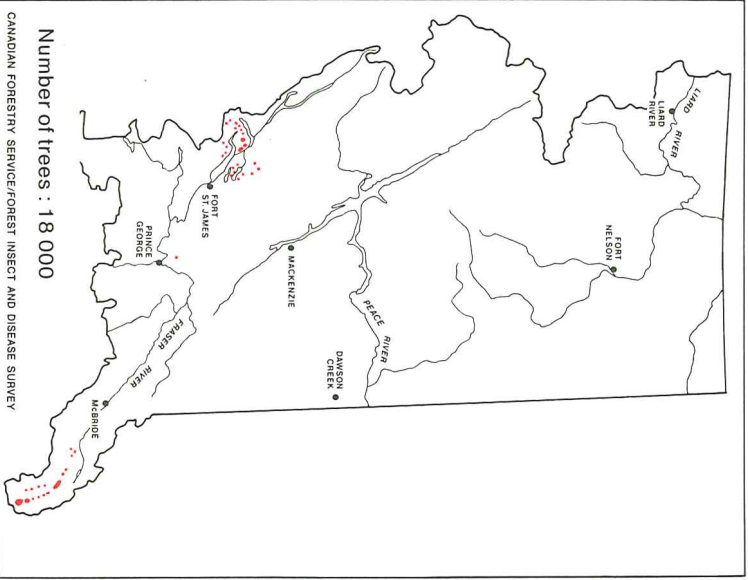
Mountain pine beetle, 1980



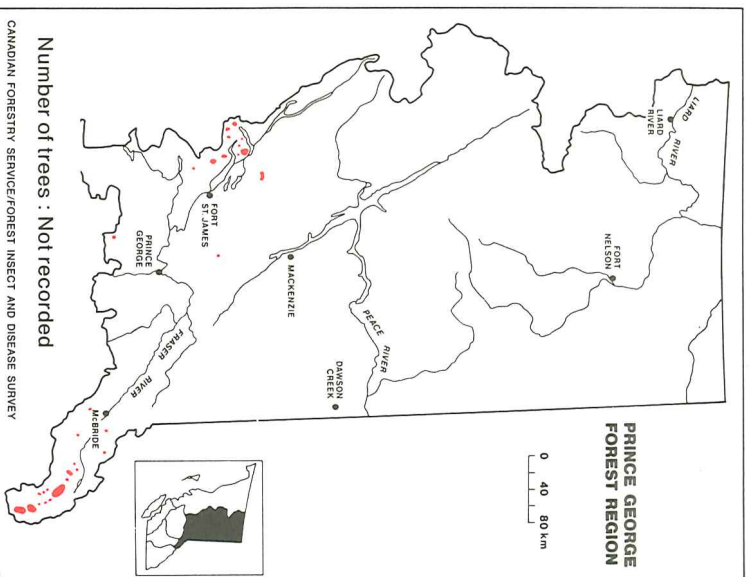
Mountain pine beetle, 1981



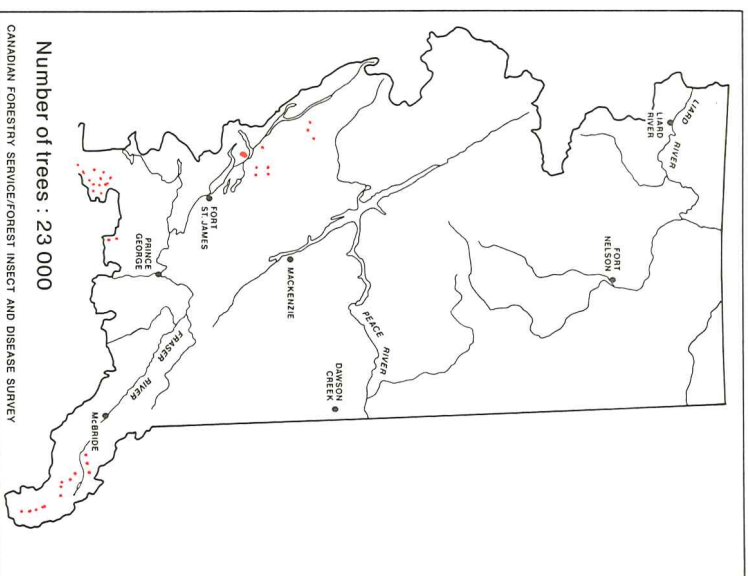
Mountain pine beetle, 1982



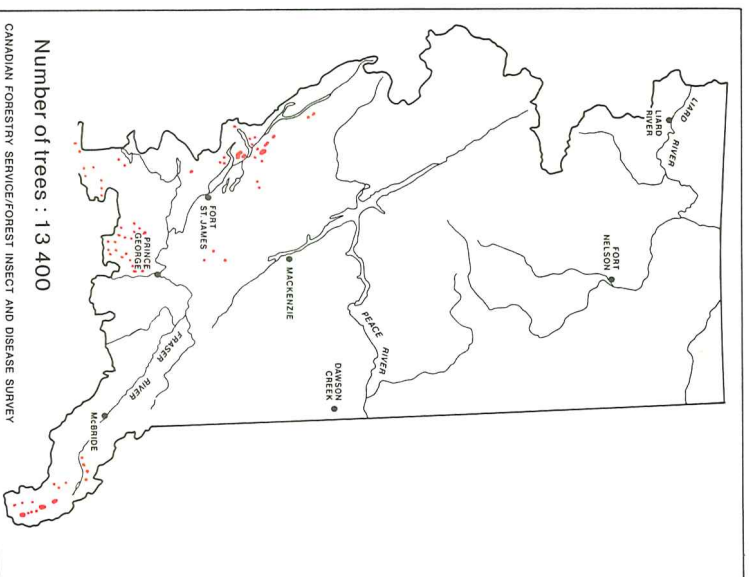
Mountain pine beetle, 1983



Mountain pine beetle, 1984

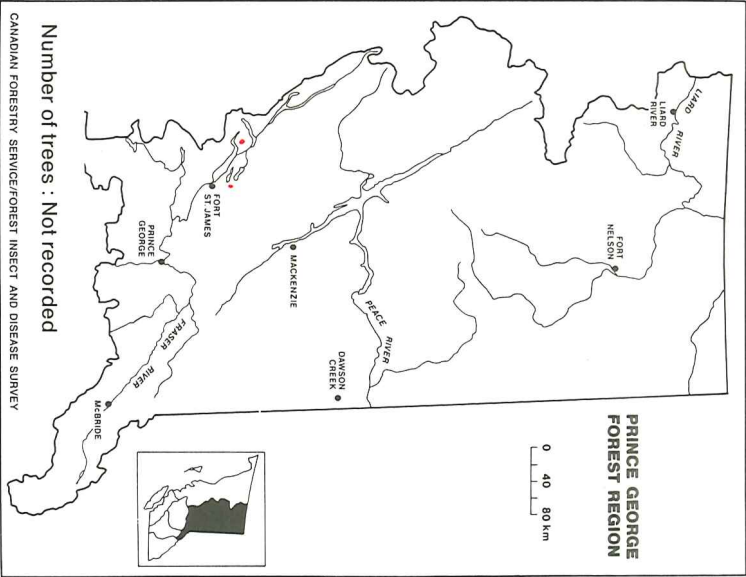


Mountain pine beetle, 1985

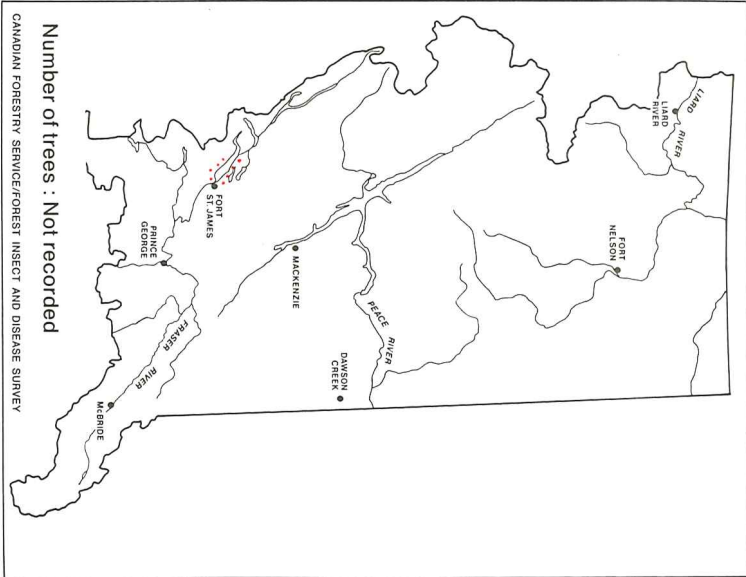


Mountain pine beetle, 1986

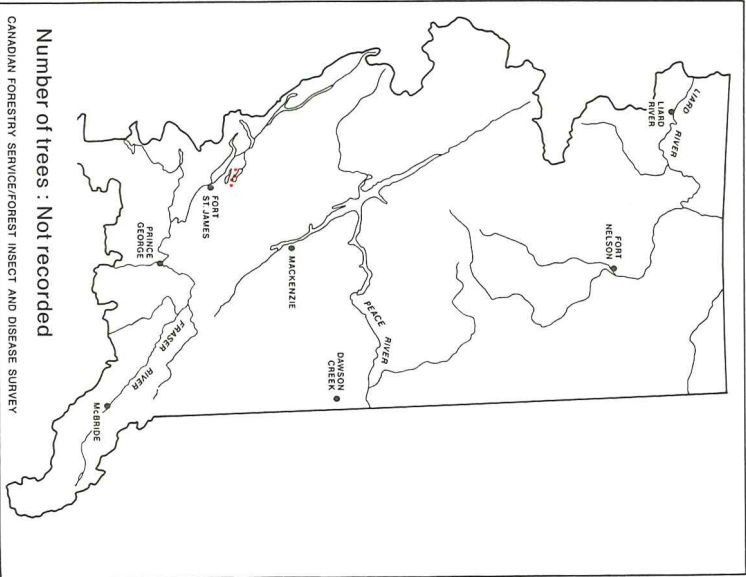
DOUGLAS-FIR BEETLE



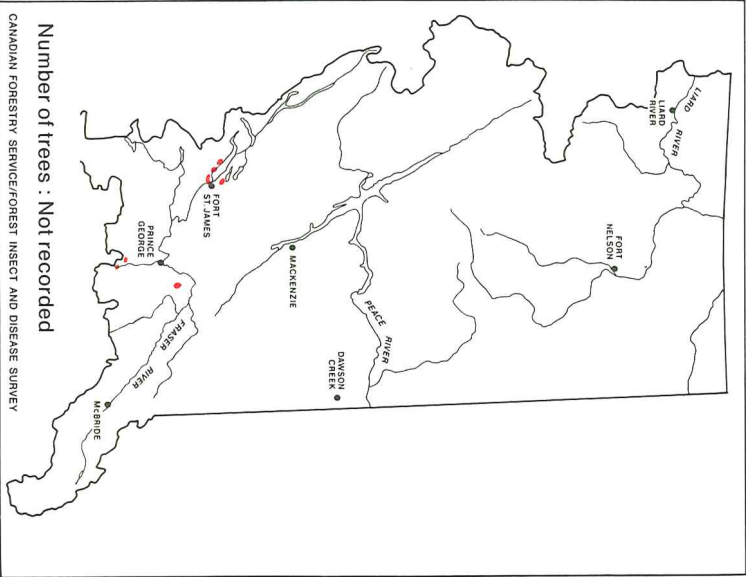
Douglas-fir beetle, 1944-47



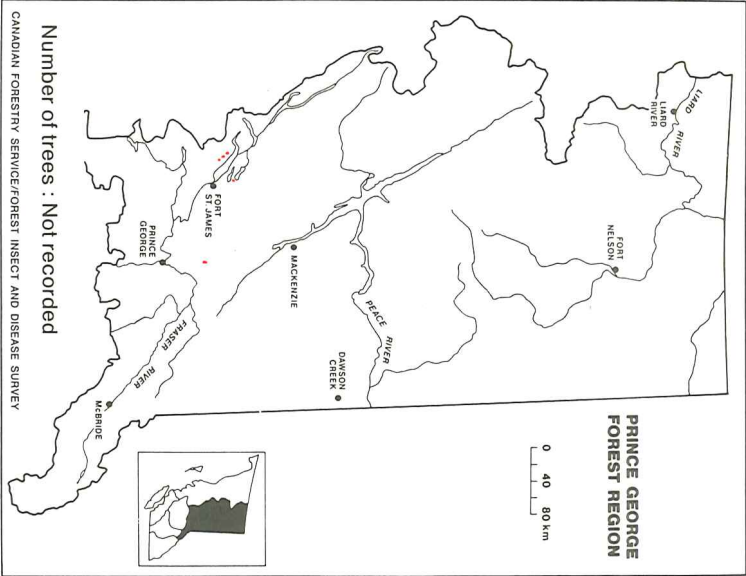
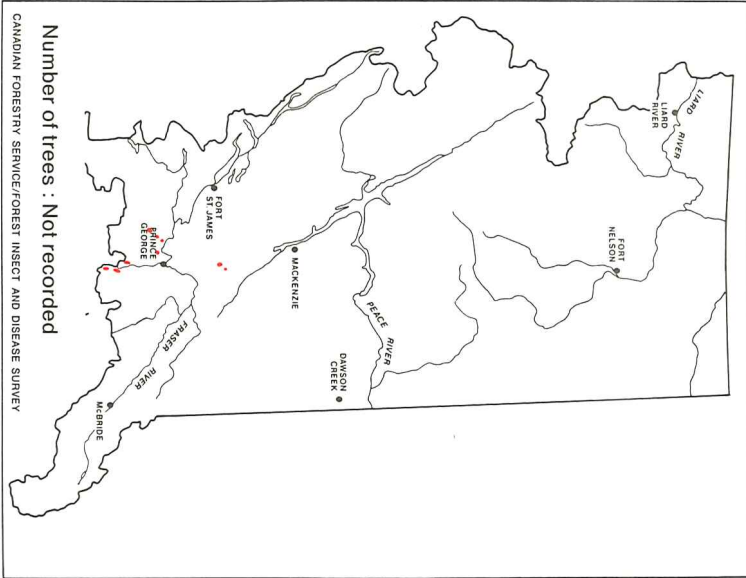
Douglas-fir beetle, 1948



Douglas-fir beetle, 1951-53

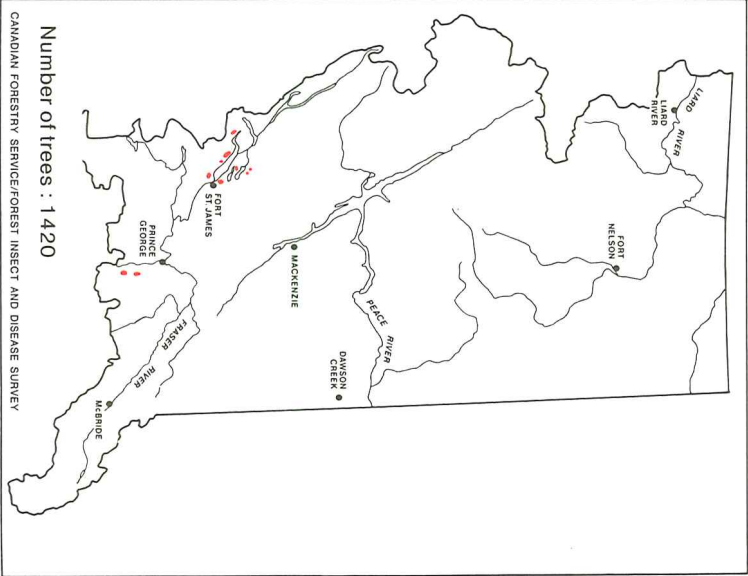


Douglas-fir beetle, 1954

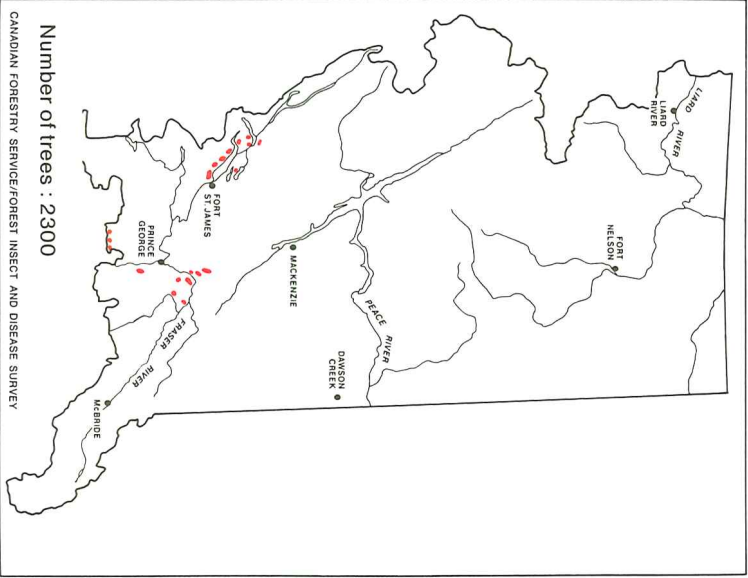


Douglas-fir beetle, 1955-56

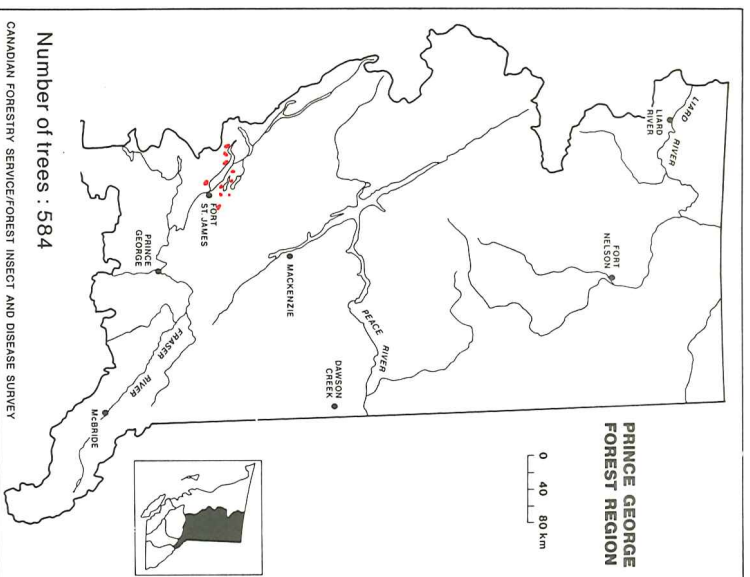
Douglas-fir beetle, 1957-58



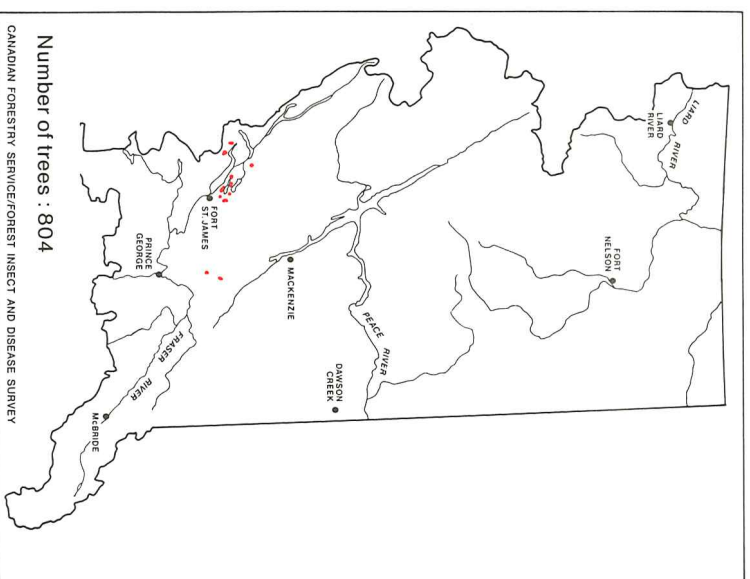
Douglas-fir beetle, 1959-62



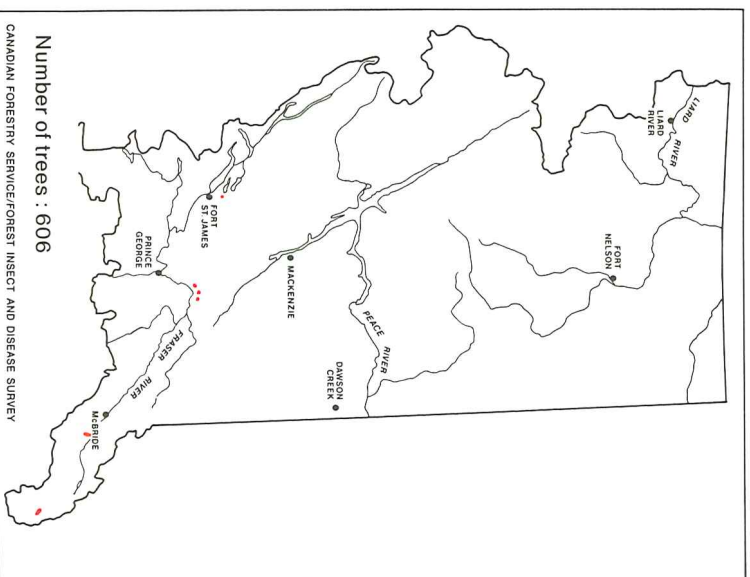
Douglas-fir beetle, 1963



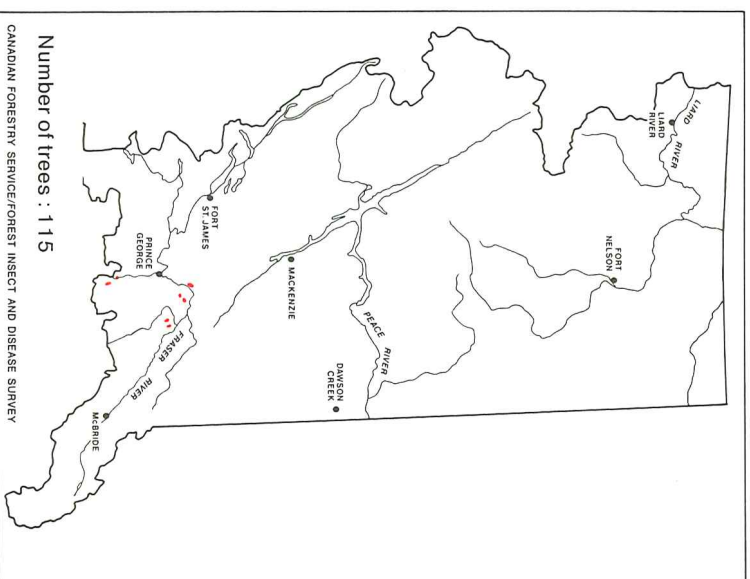
Douglas-fir beetle, 1964



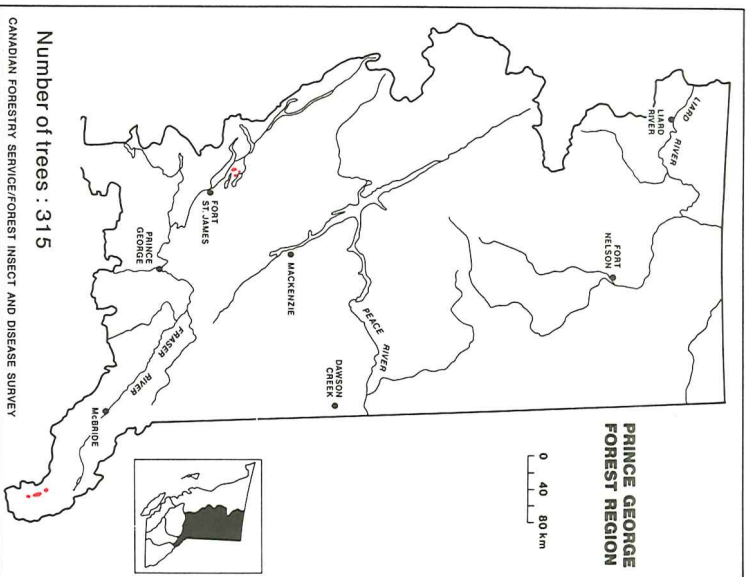
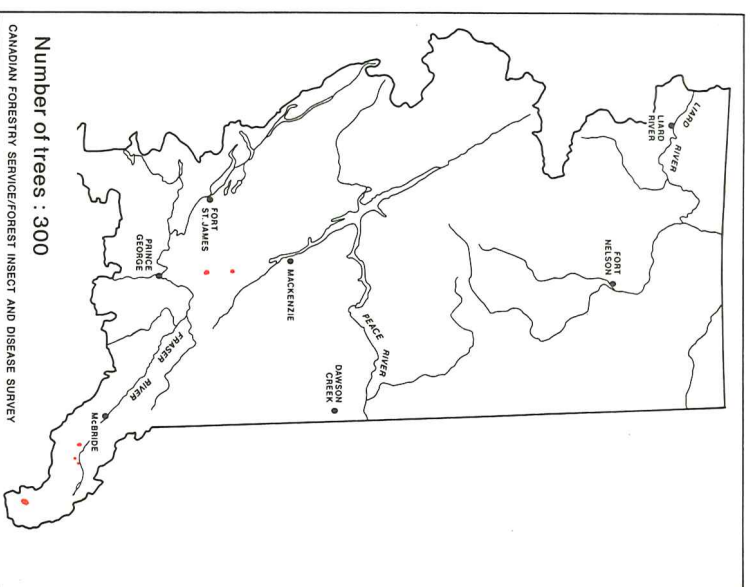
Douglas-fir beetle, 1965



Douglas-fir beetle, 1966-67

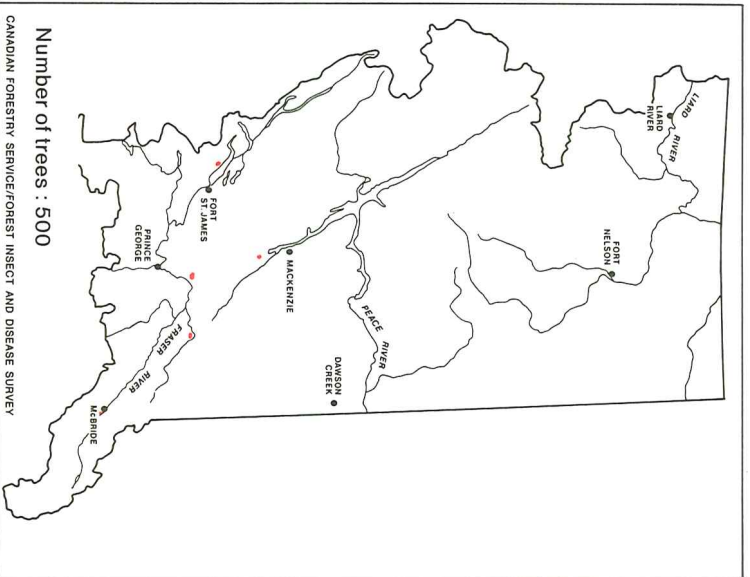
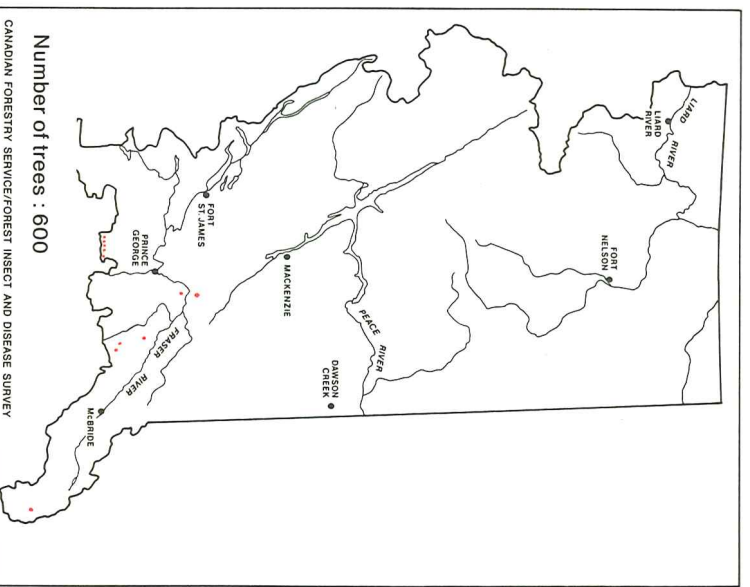


Douglas-fir beetle, 1968-69



Douglas-fir beetle, 1970-71

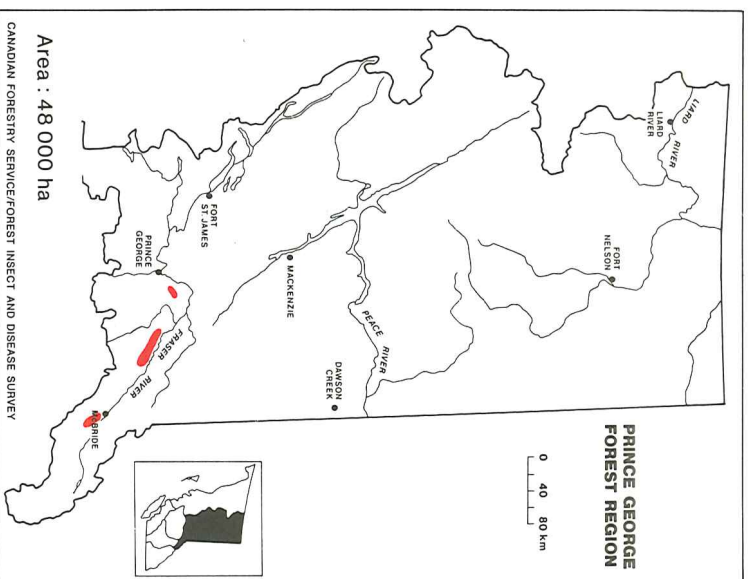
Douglas-fir beetle, 1972-75



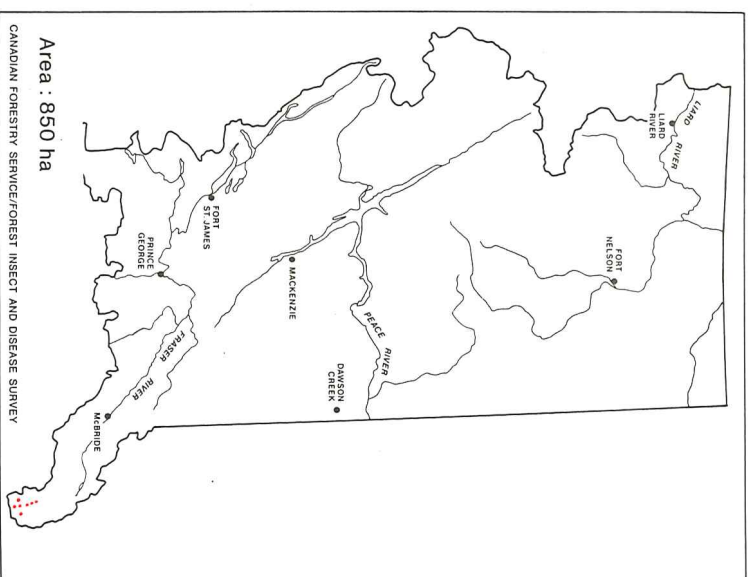
Douglas-fir beetle, 1976-81

Douglas-fir beetle, 1982-86

WESTERN HEMLOCK LOOPER

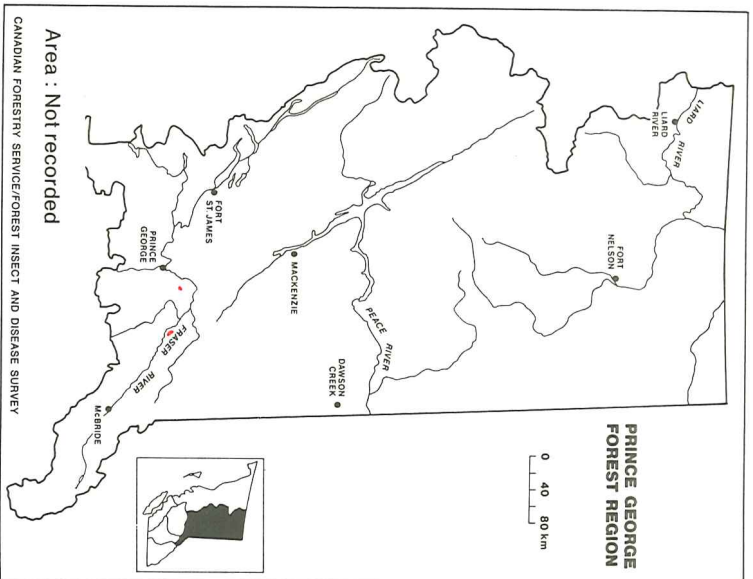
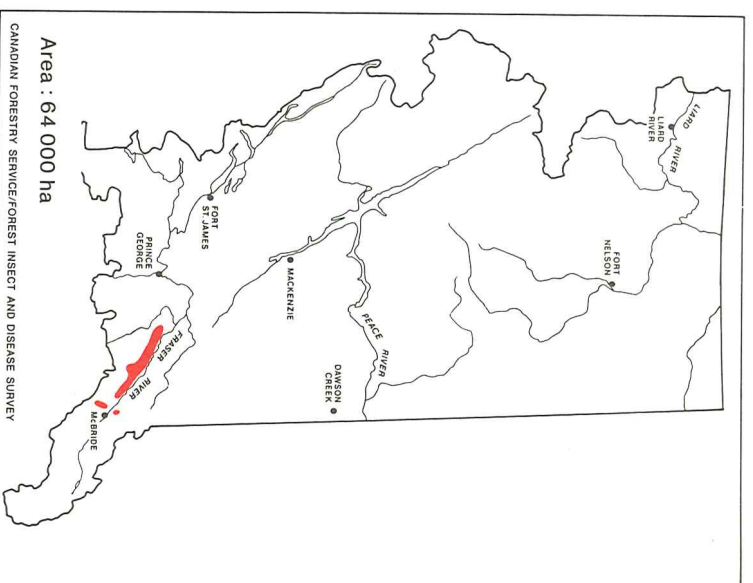


Western hemlock looper, 1954-55



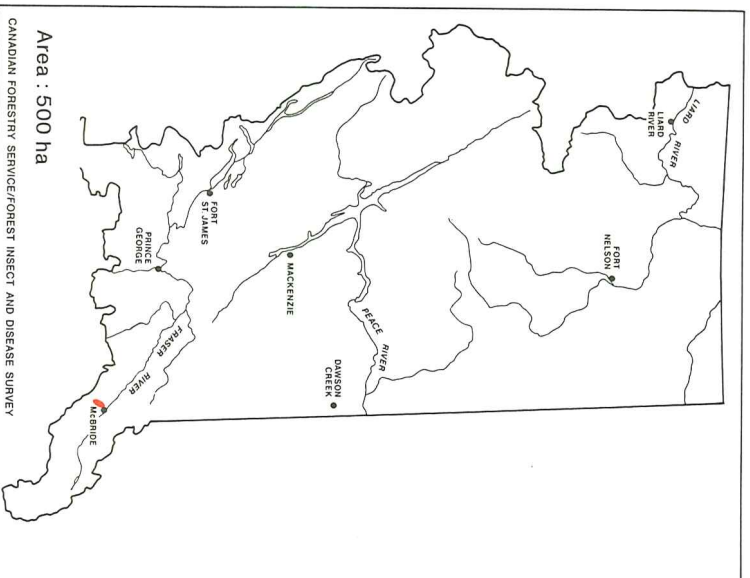
Western hemlock looper, 1983

CONIFER SAWFLIES



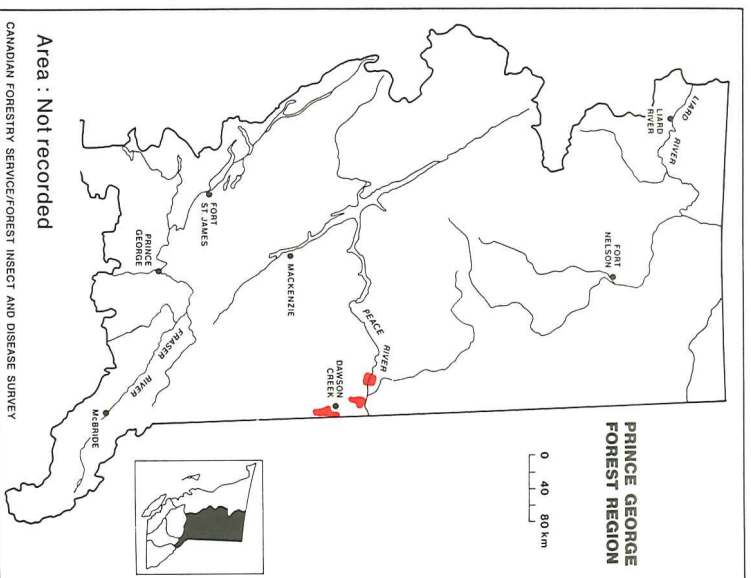
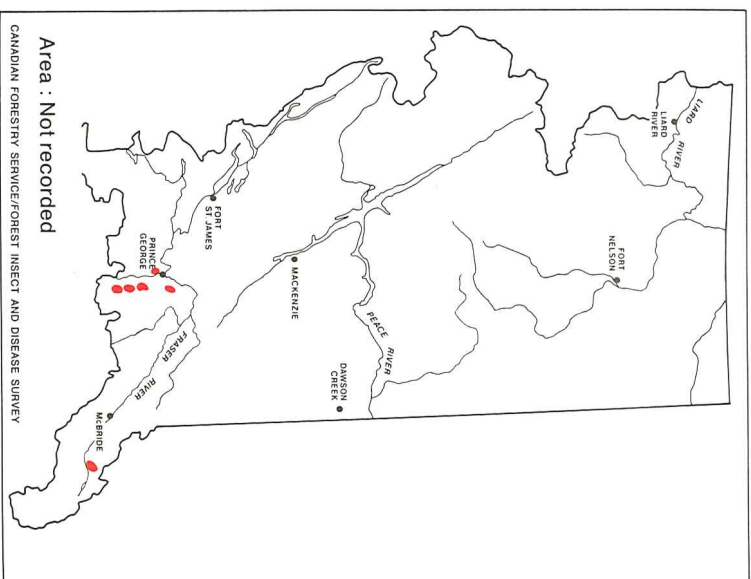
Conifer sawflies, 1955-58

Conifer sawflies, 1974-78



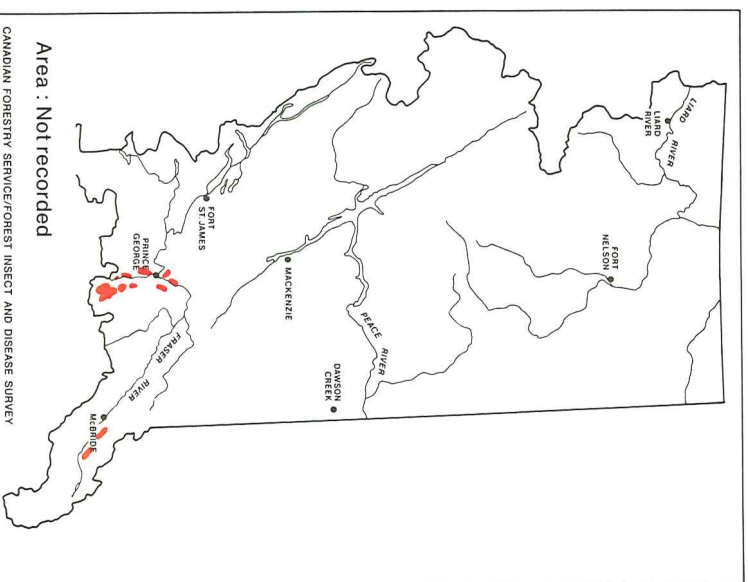
Conifer sawflies, 1985

FOREST TENT CATERPILLAR

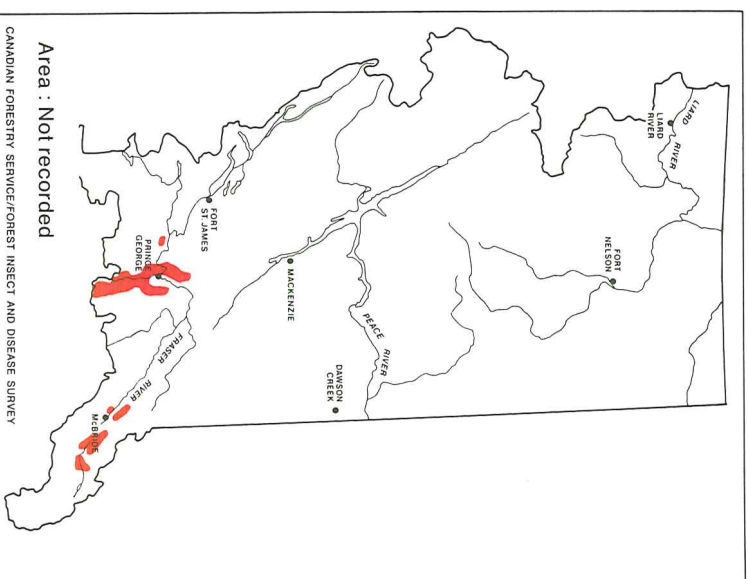


Forest tent caterpillar, 1944-45

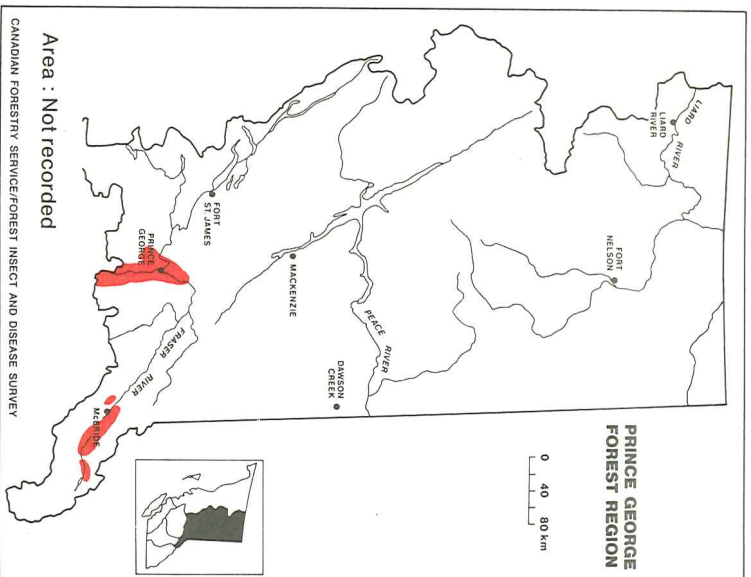
Forest tent caterpillar, 1951



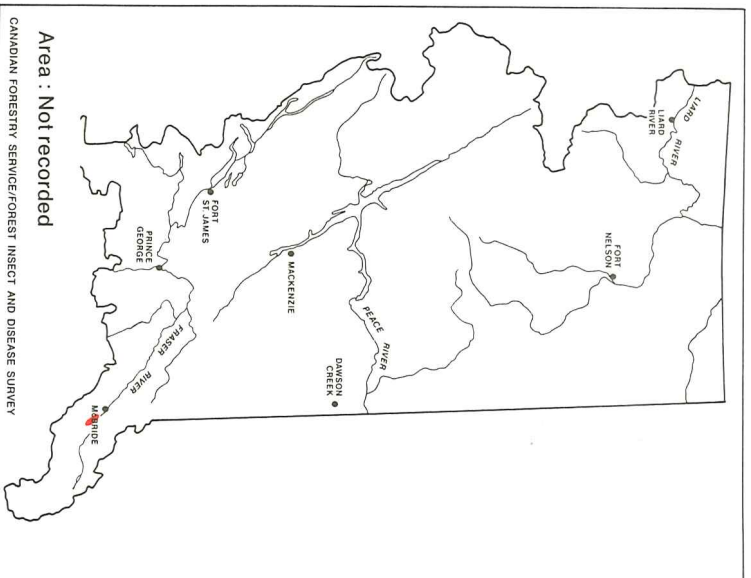
Forest tent caterpillar, 1952



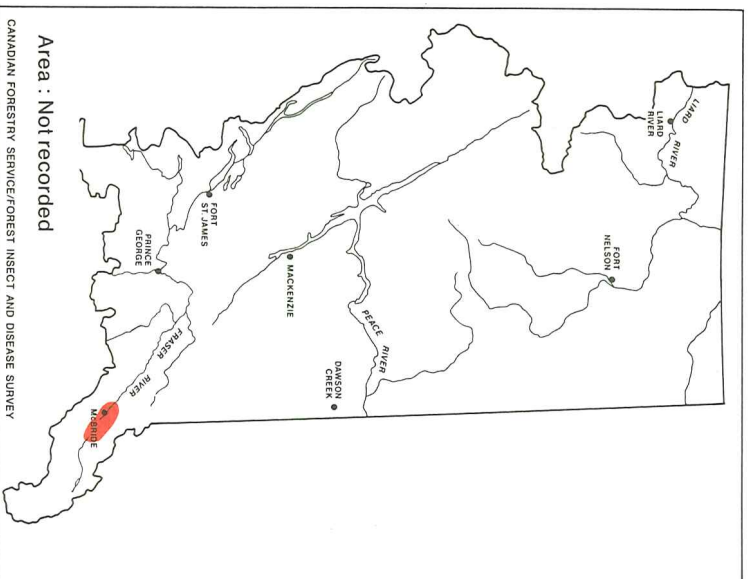
Forest tent caterpillar, 1953



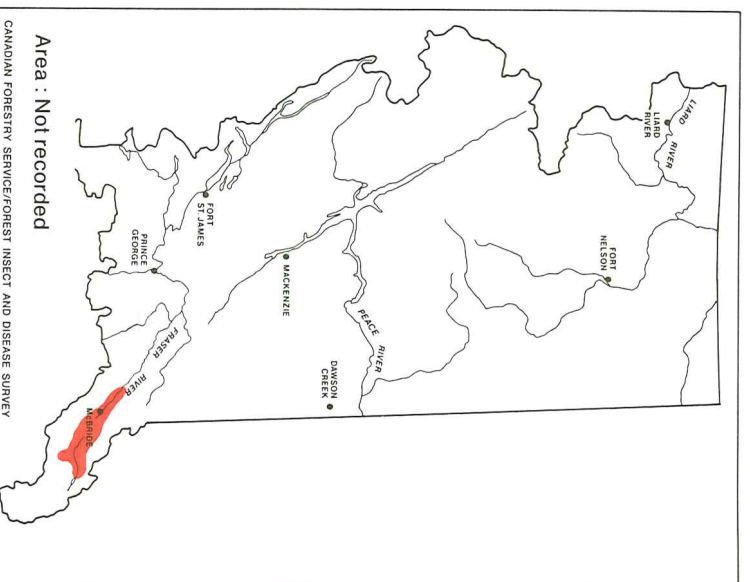
Forest tent caterpillar, 1954



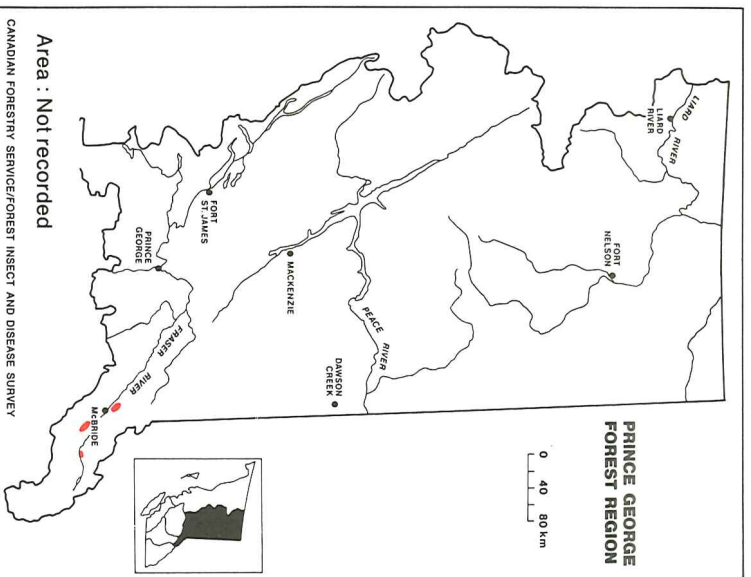
Forest tent caterpillar, 1957



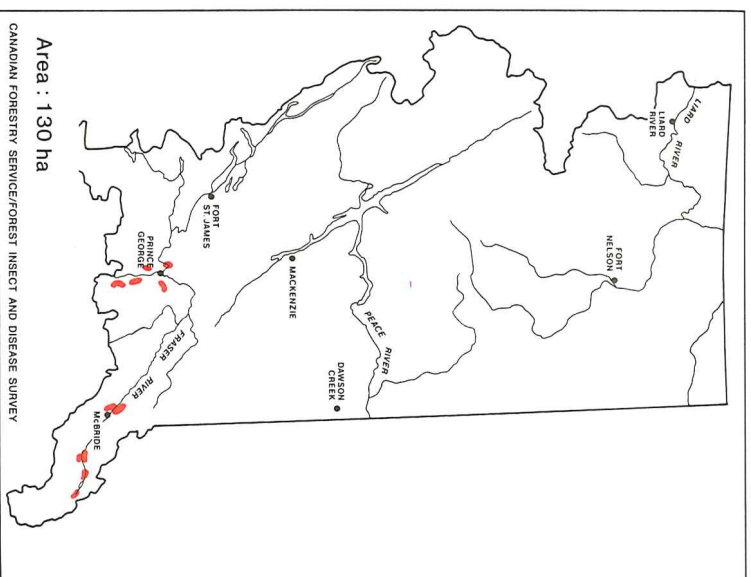
Forest tent caterpillar, 1958-60



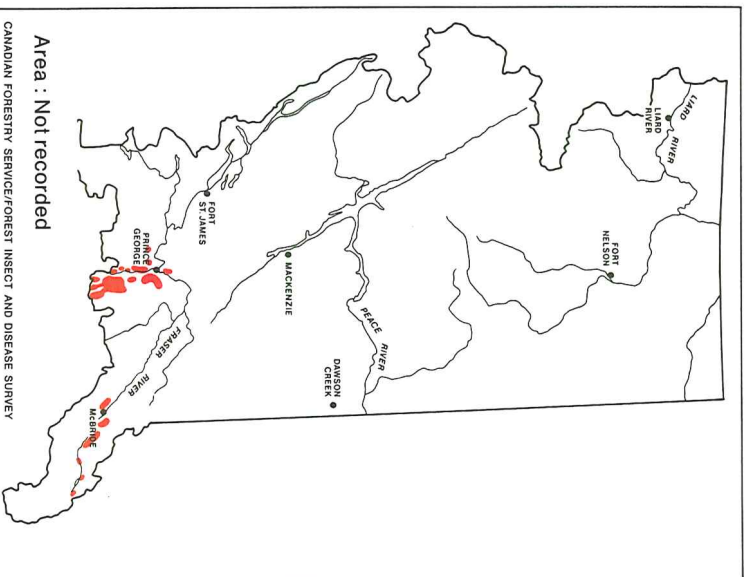
Forest tent caterpillar, 1961-62



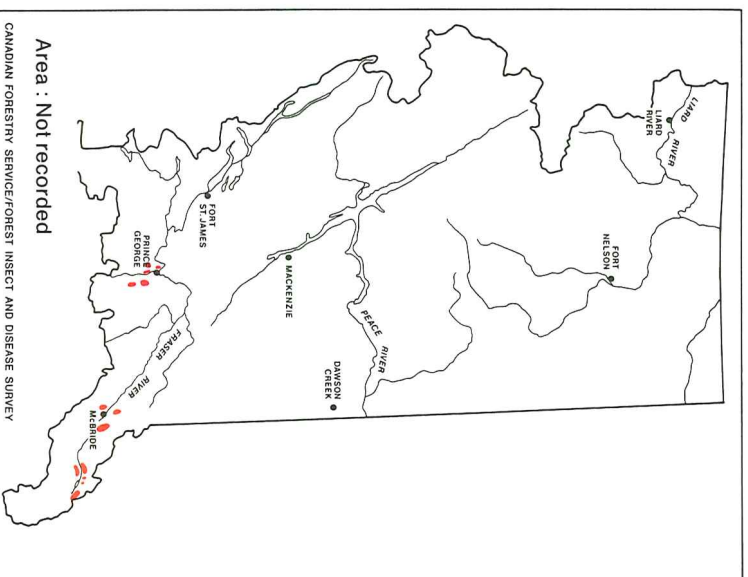
Forest tent caterpillar, 1963-64



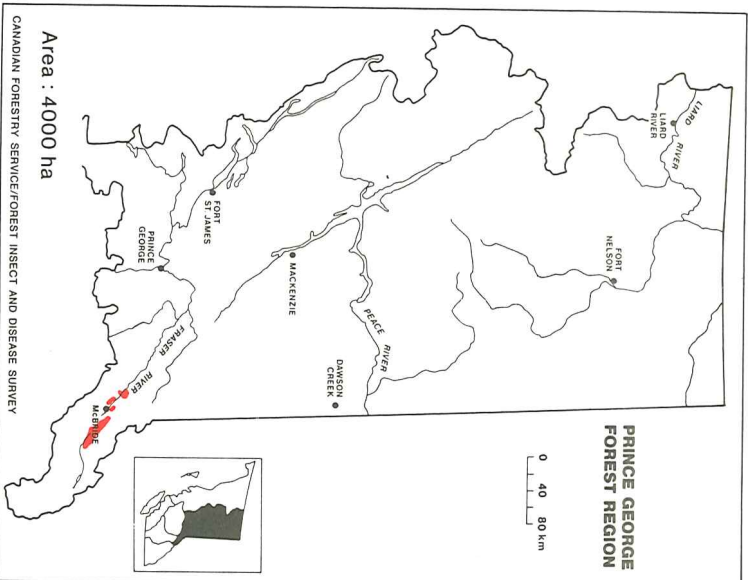
Forest tent caterpillar, 1972



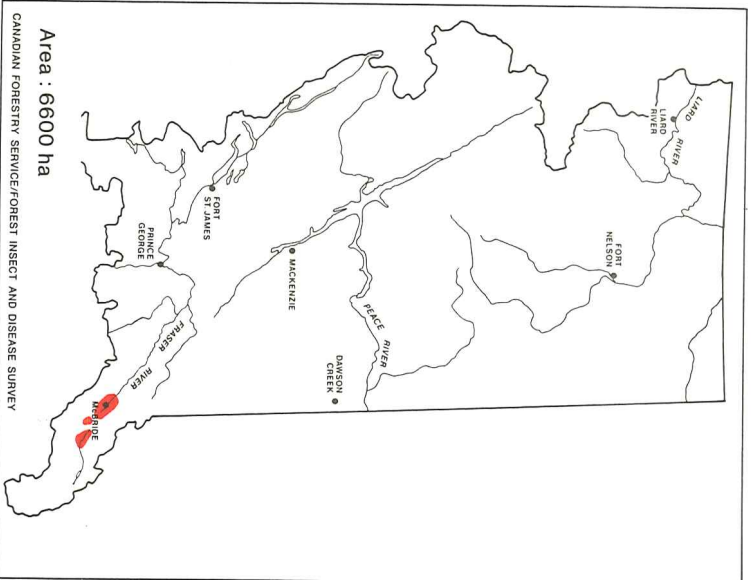
Forest tent caterpillar, 1973



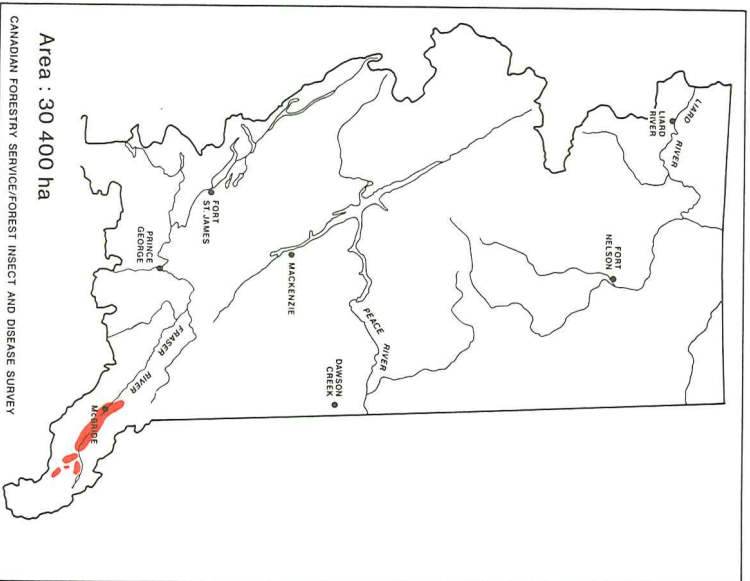
Forest tent caterpillar, 1974



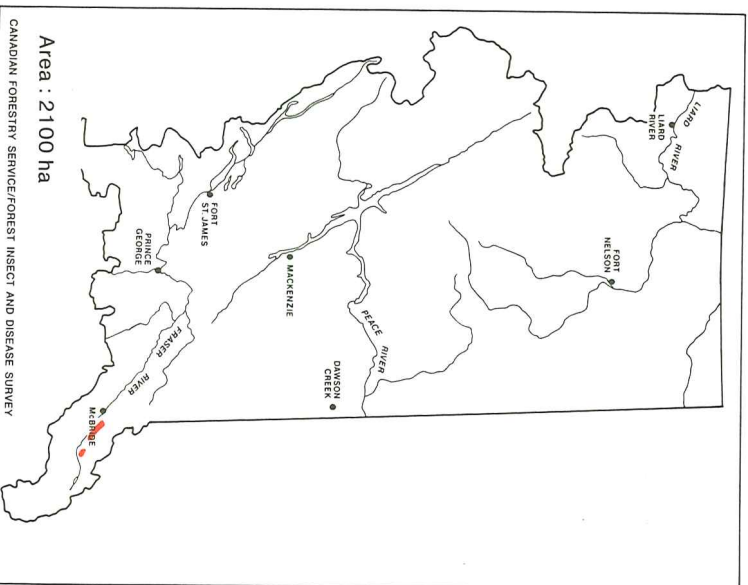
Forest tent caterpillar, 1975



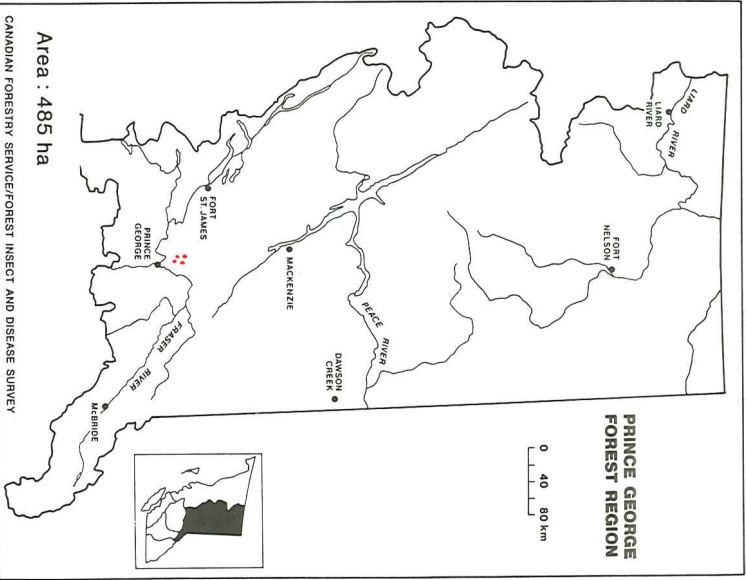
Forest tent caterpillar, 1976



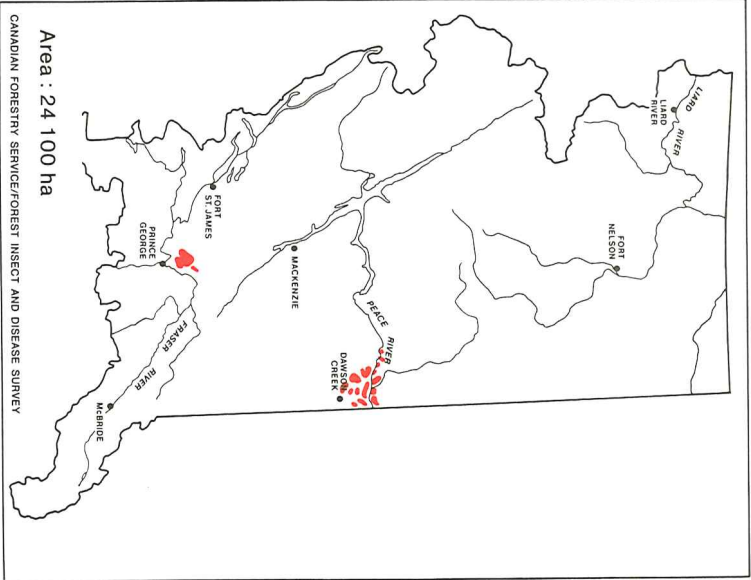
Forest tent caterpillar, 1977



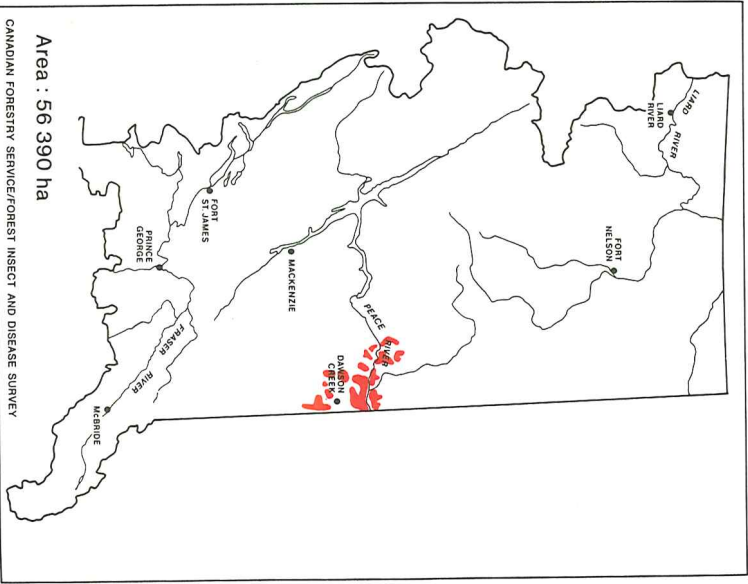
Forest tent caterpillar, 1978



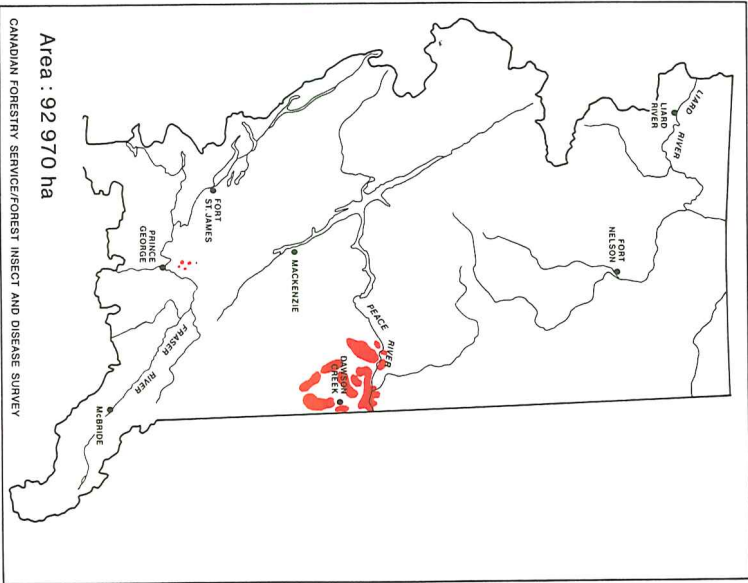
Forest tent caterpillar, 1983



Forest tent caterpillar, 1984

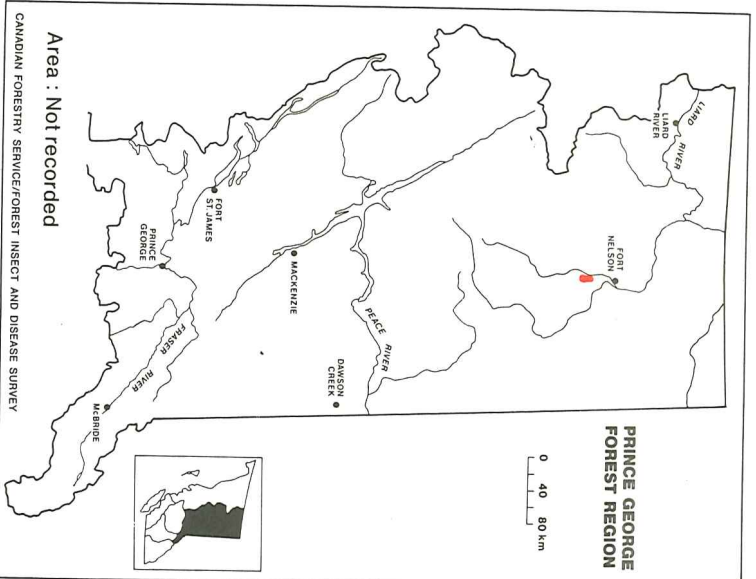


Forest tent caterpillar, 1985

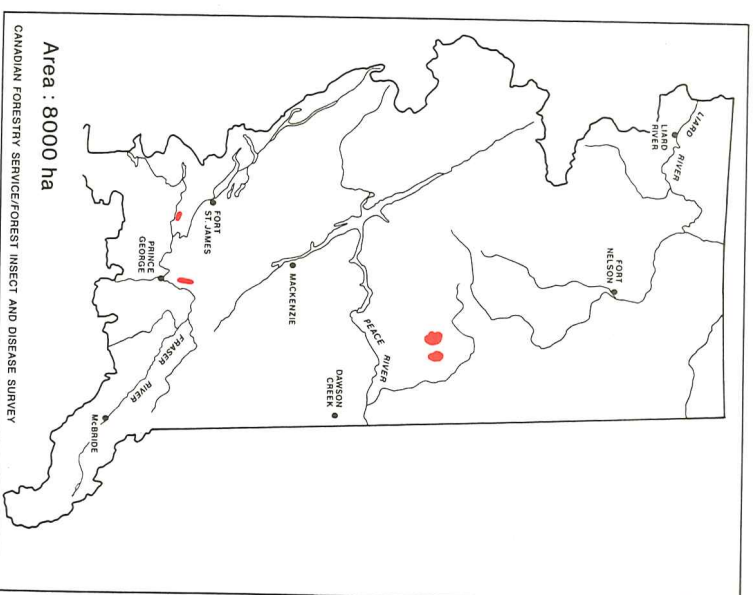


Forest tent caterpillar, 1986

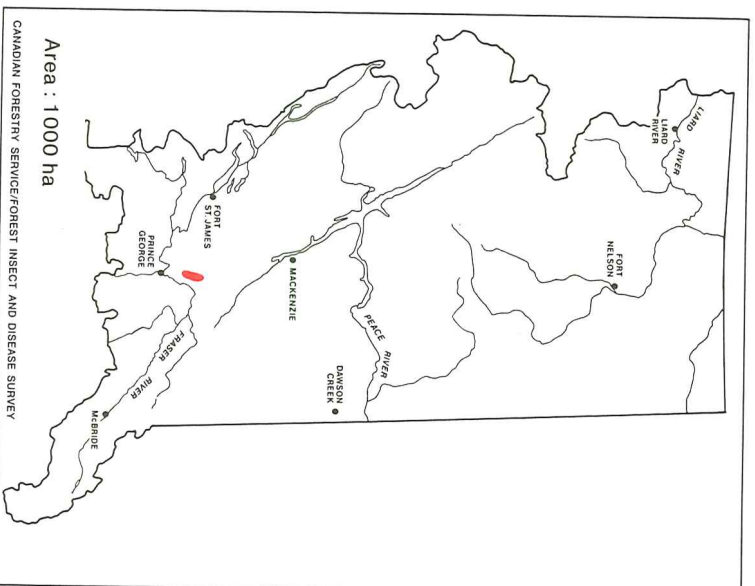
LARGE ASPEN TORTRIX



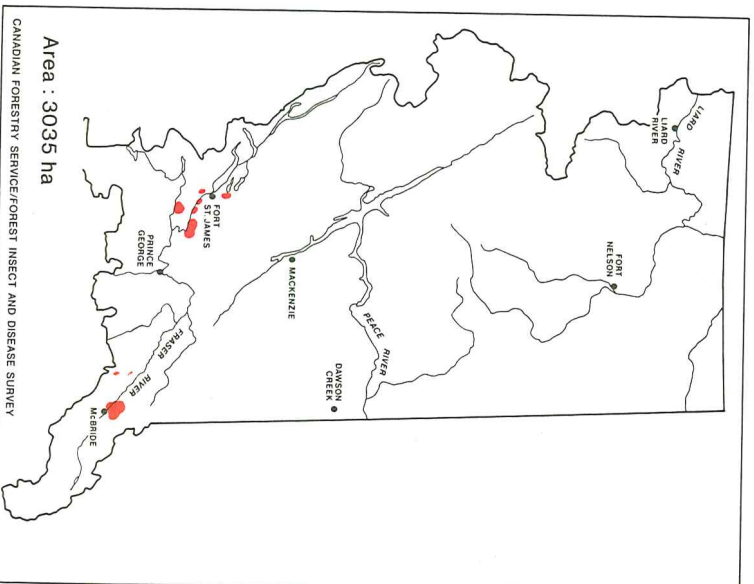
Large aspen tortrix, 1946



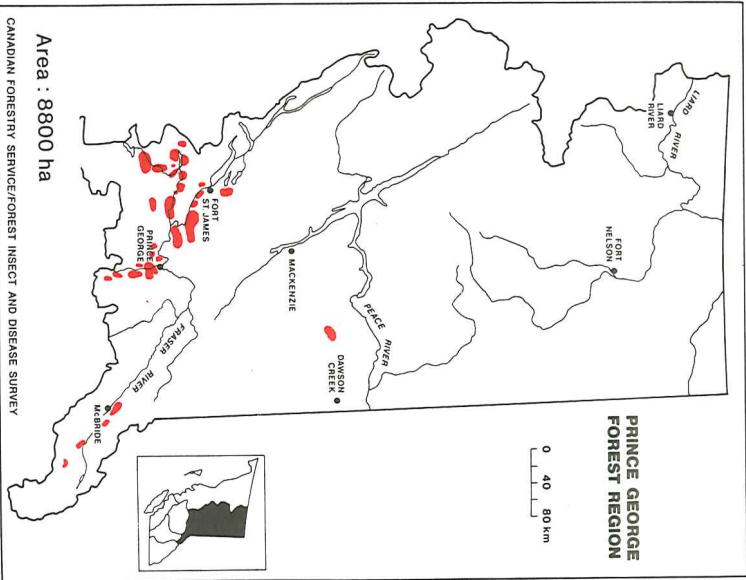
Large aspen tortrix, 1954-56



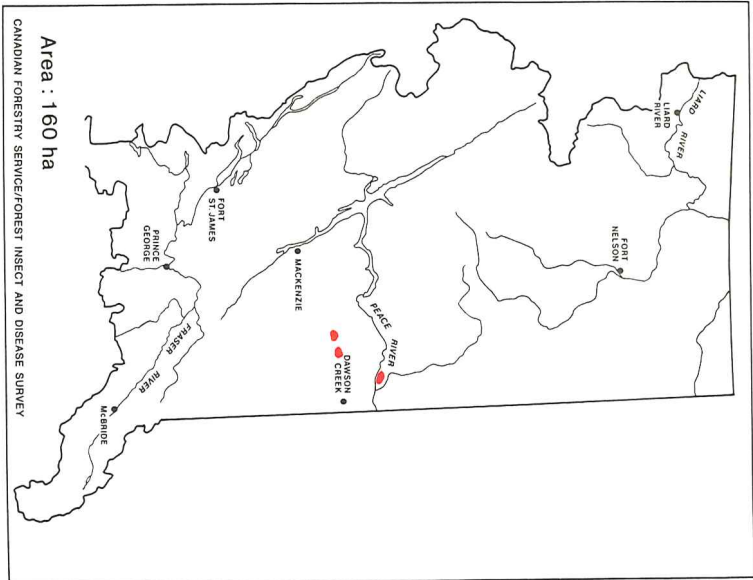
Large aspen tortrix, 1957-58



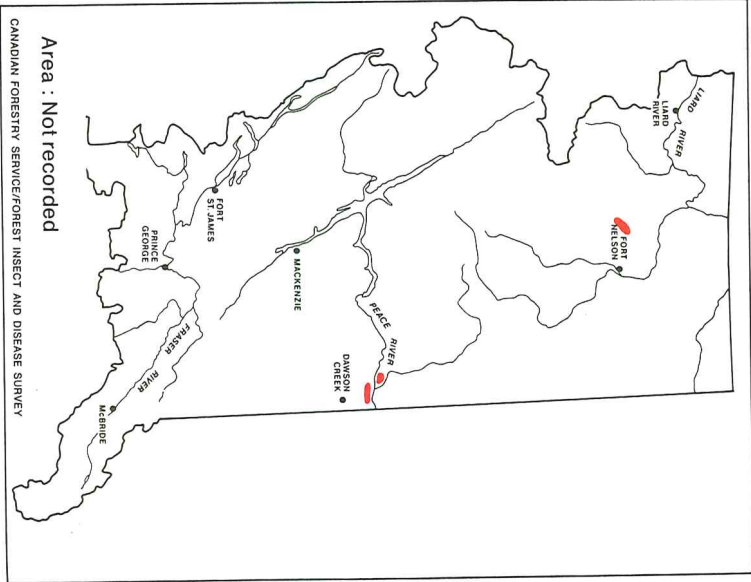
Large aspen tortrix, 1970



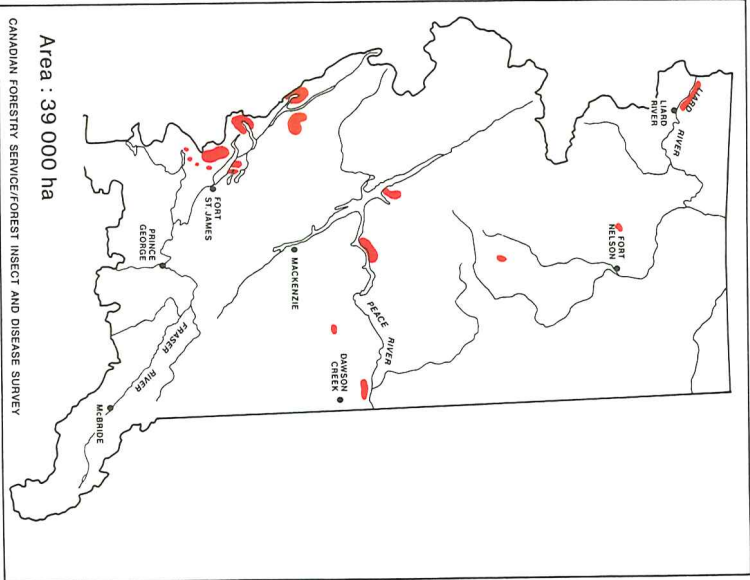
Large aspen tortrix, 1971-72



Large aspen tortrix, 1974-78



Large aspen tortrix, 1979



Large aspen tortrix, 1980-82