FRST 547: Forestry in British Columbia

Objectives: To introduce you to -

- the biophysical and social diversity of B.C. forests
- the regulation of forestry on public forest lands
- issues in B.C. forestry

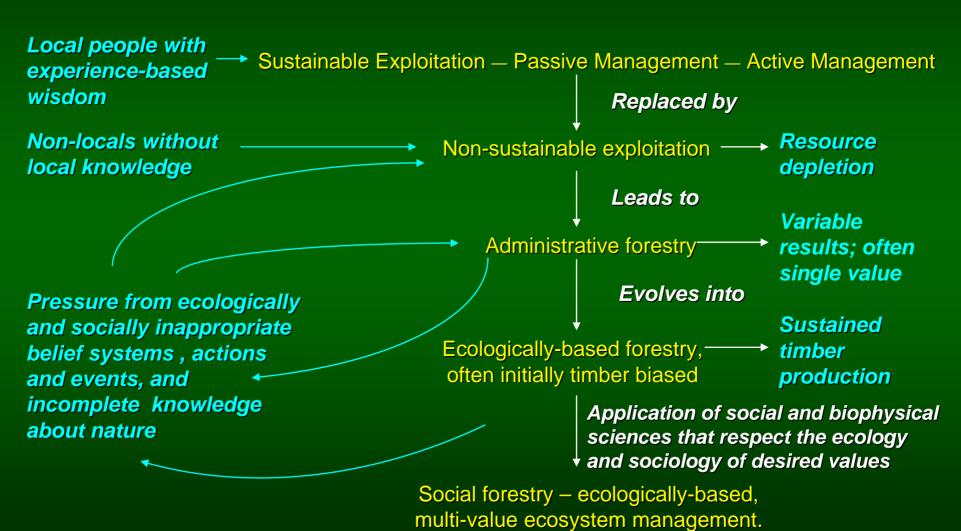
- so that you can make informed judgment about what you see and hear about our forests and their management

Forestry: what is it?

The art (skill), practice, science and business of managing forest stands and landscapes to sustain an ecologically possible and socially desirable balance of values over appropriate spatial and time scales

Forestry is managing forest ecosystems to sustain desired values by sustaining the necessary ecological processes and components

The Evolution of Forestry



FOREST ECOSYSTEM MANAGEMENT

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 Development of ecologically-based forest management in B.C. only in the past 25 years – much evidence of the consequences of exploitative logging remain

British Columbia: What is it?

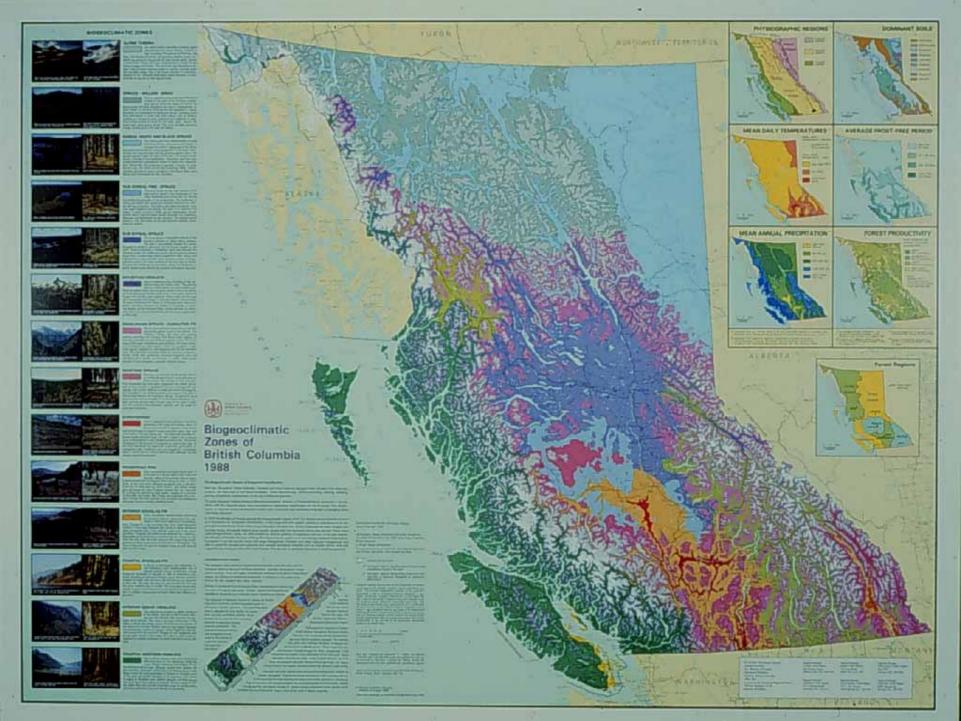
The Ecological and Biological Diversity of BC.

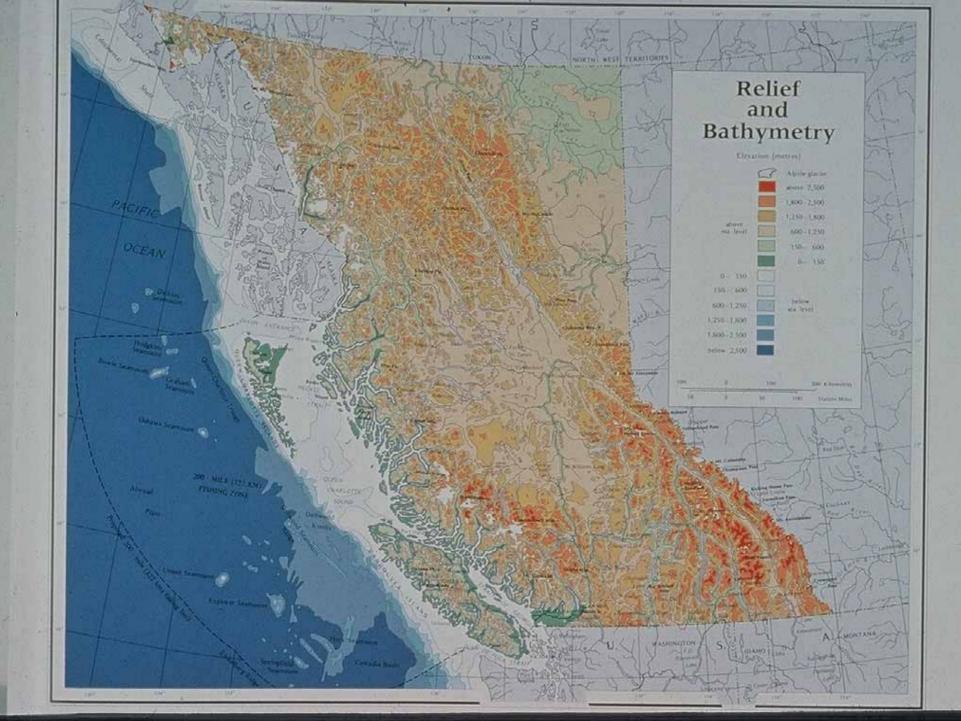
Described in the bio - geo- climatic classification of British Columbia

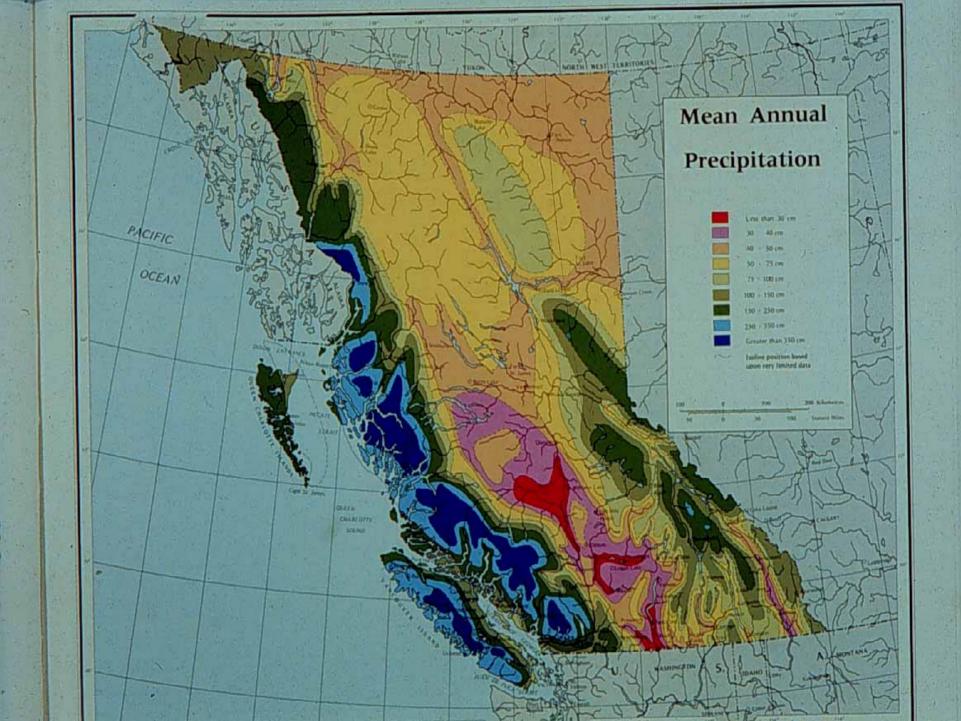
Good web site: http://hlfimages.com/bec/

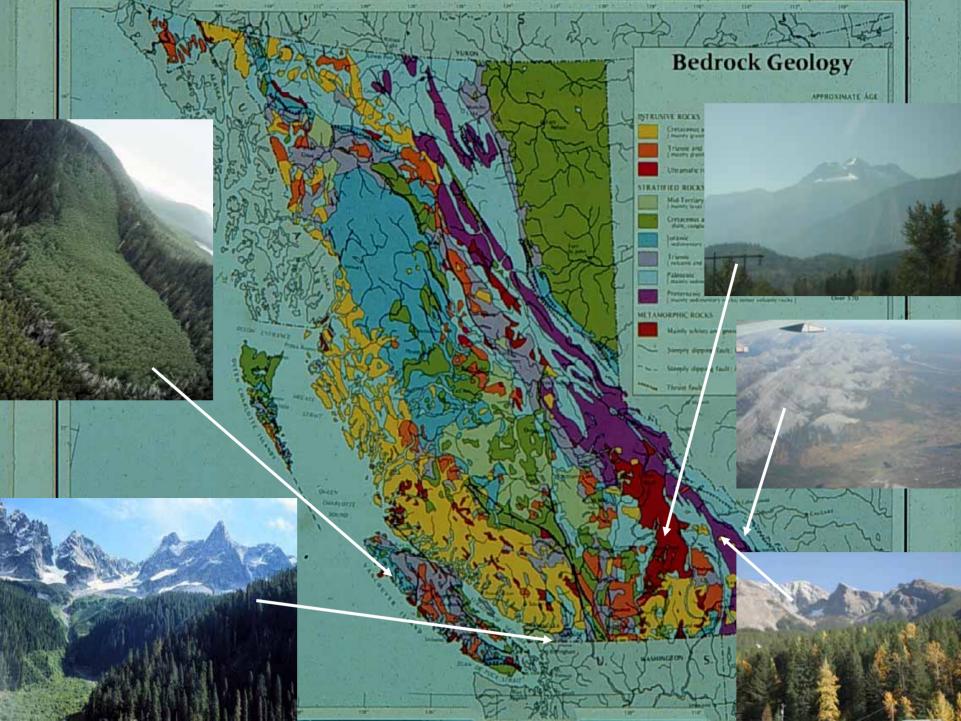












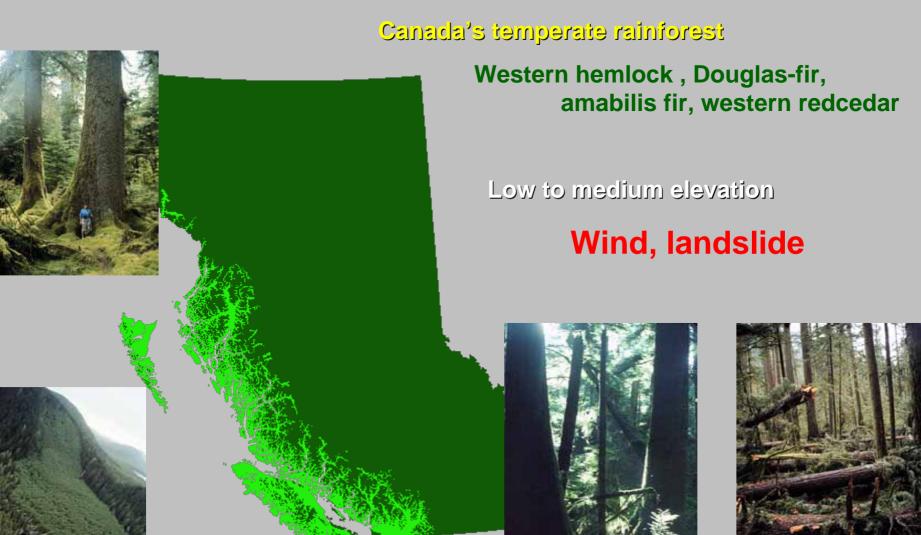
Coastal Douglas-fir Zone -



Coastal Western Hemlock Zone -

wet cool winters, generally mild to warm summers.

Coastal, montane climate



Mountain Hemlock Zone –

long, cool-cold winters, deep snowpack (2-10m), short warm summers. Coastal subalpine climate



Interior Douglas-fir Zone –

Relatively short cool to cold winters; long, hot, dry summers. Sub-continental climate

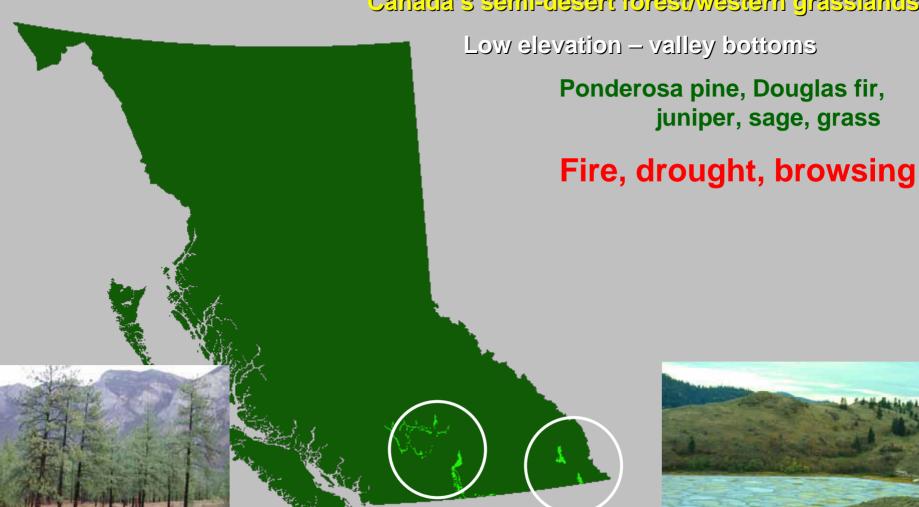
Canada's western savannah forest



Ponderosa Pine and Grassland Zones -

Very dry, long hot summer, relatively mild to cool winters. Semi-arid, subcontinental climate

Canada's semi-desert forest/western grasslands



Montane Spruce Zone –

Long, cold, snowy winters, warm summers; relatively dry.

Subcontinental, montane climate

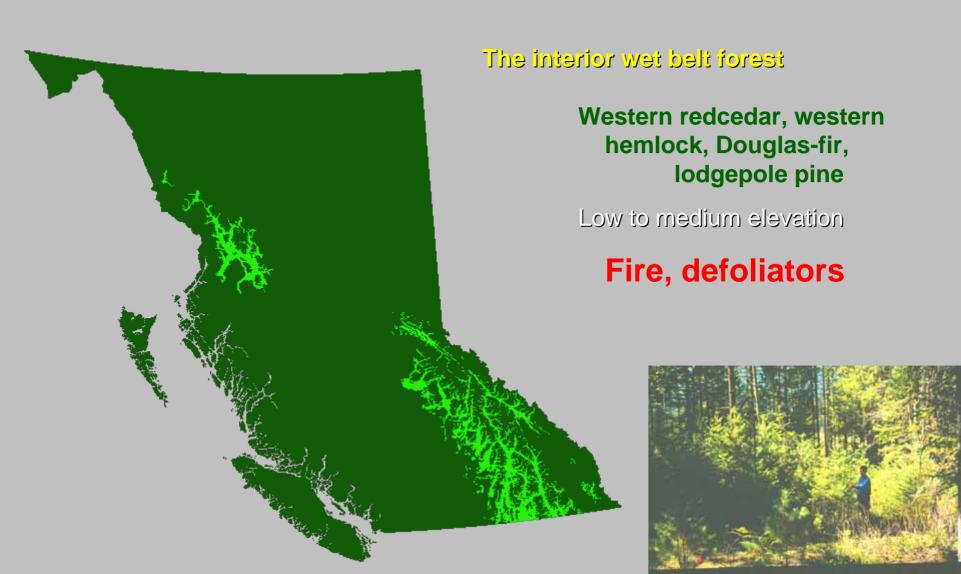
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Interior Cedar-Hemlock Zone -

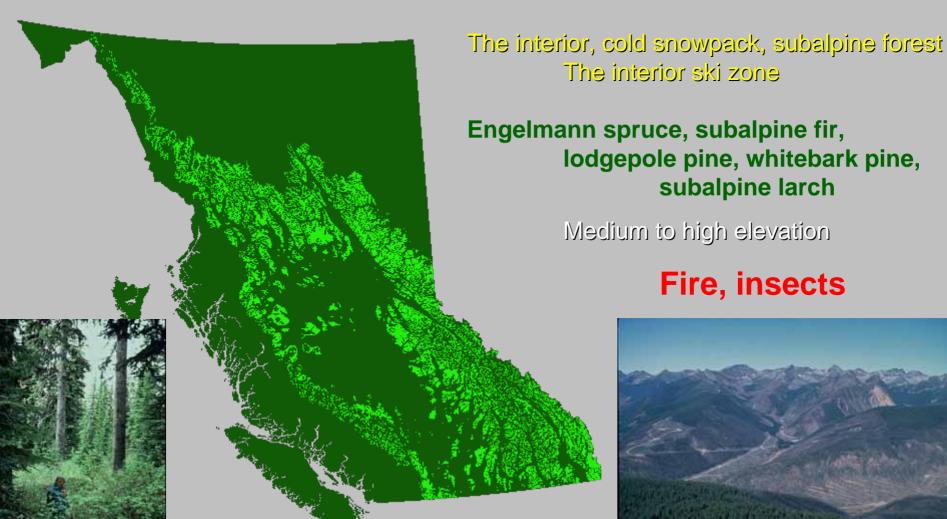
wet, mild to cool winters; warm, relatively moist summers.

Subcontinental, humid climate

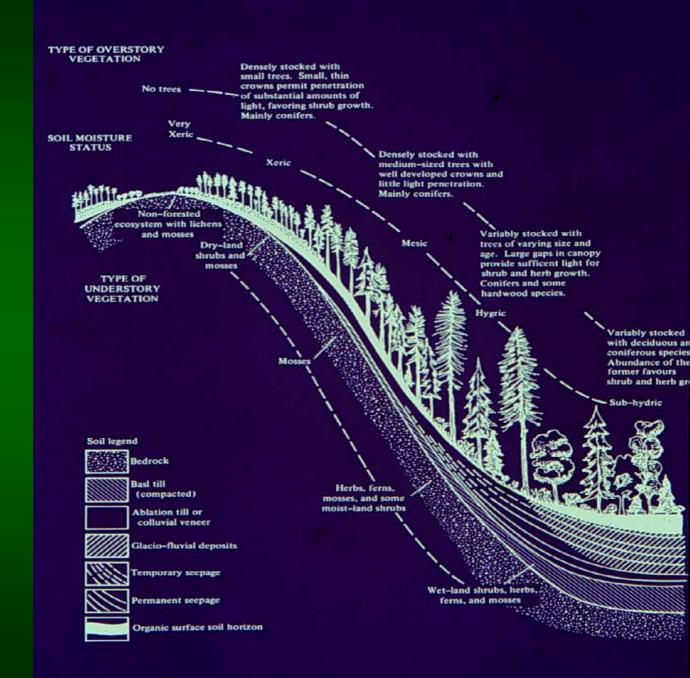


Engelmann Spruce Subalpine fir Zone –

Long, cold to very cold, snowy winters; short warm summers with frequent frost, dry to humid. Continental – subcontinental subalpine climate



Ecological and biological variation along a local topographic transect – a soil moisture and nutrient gradient



Most of our forest ecosystems are disturbance driven, and disturbance dependent

Landslide







Fire

Wind



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