



**Fraser
Public Advisory Group**

**Ecosystem Condition &
Productivity Meeting**

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**Ecosystem Condition & Productivity
Overview**

*“Ecosystem Condition and Productivity is the
health, vitality and rates of biological production
in forest ecosystems ”*

Forest Ecosystem Resilience

Forest Ecosystem Productivity

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**Ecosystem Condition & Productivity
Overview**

Forest Ecosystem Resilience

*“Forest Ecosystem Resilience is ability of forest
ecosystem processes and conditions to recover
from or adapt to disturbances ”*

Examples:

- Ability of the forest to regenerate after natural and human disturbance
- The ability of the forest to withstand diseases while maintaining productivity.

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Ecosystem Condition & Productivity Overview



Forest Ecosystem Productivity

"Forest Productivity is the rate of flora and fauna production."

Examples:

- The rate of growth of regenerating forests.
- The amount of productive forest land not degraded by roads or slides.

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The DFA: Ecosystem Condition & Productivity



Forest Regeneration (Basic Silviculture)

- Reforestation
- Brushing
- Site Preparation

The goal of Basic Silv. is "Free Growing"

Free Growing: "a stand of healthy trees of a commercially valuable species, the growth of which is not impeded by competition from plants, shrubs or other trees"

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The DFA: Ecosystem Condition & Productivity




Incremental Silviculture

- Juvenile Spacing
- Fertilization
- Tree Improvement – selecting good parent trees for seed or cuttings
- Pruning

Goals include... to increase the yields of merchantable volume and/ or wood quality, to reduce the time to future harvest, to increase wildlife capability or in some cases to increase employment in high unemployment areas

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The DFA: Ecosystem Condition & Productivity

Forest Health

- Mountain Pine Beetle – limited amount of Pine in DFA
- Root diseases
- Ungulate Browse
- Pika – aka “Rock Rabbit”
- Dwarf Mistletoe
- Spruce Weevil
- Windthrow
- Fire

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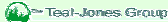



The DFA: Ecosystem Condition & Productivity

Access Structures

Silviculture Systems

Seral Stage Representation

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CSA Guidelines

CCFM SFM Criteria 2.0: Ecosystem Condition and Productivity
Conserve forest ecosystem condition and productivity by maintaining the health, vitality, and rates of biological production.

CSA SFM Element 2.1 Forest Ecosystem Resilience
Conserve ecosystem resilience by maintaining both ecosystem processes and ecosystem conditions.

CSA SFM Element 2.2 Forest Ecosystem Productivity
Conserve forest ecosystem productivity and productive capacity by maintaining ecosystem conditions that are capable of supporting naturally occurring species.


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Next Meeting

Date	October 30, 2006
Time	5:00 – 7:00
Location	Pantry Restaurant Chilliwack


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Next Meeting

The goal of this meeting is to identify values, objectives, indicators and targets for Soil & Water, considering:

- Soil Quality & Quantity
- Water Quality & Quantity

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Thank you...

The Teal Jones Group
Environmental Department

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