

SPU # 49

Commercial broadleaves Coast all elevations

CONSERVATION -- GENECOLOGY -- SEEDLING USE

Annual planting (million):

NA

Program category: Genecology

Filename: 49 Cst Broadleaves June 27, 2015

**GENETIC CONSERVATION STATUS**

Conservation statistics	Red Alder	Bigleaf maple	Poplar (native only)
Range area (ha)	8,560,451	2,940,042	44,291,025
Area protected (ha)	837,783	205,752	3,751,551
Percentage of area protected	10%	7%	8%
Est. genetic reserves with >5000 mature trees based on botanical sample data	115	46	194
<b>Conservation status</b>			
Current in-situ protection status:	<b>Well protected</b>	<b>Well protected</b>	<b>Well protected</b>
Probability of maintaining > 3 protected areas with adequate population size given natural disturbance regimes:	<b>Very high</b>	<b>Very high</b>	<b>Very high</b>
For further information visit <a href="http://www.genetics.forestry.ubc.ca/cfgc/">http://www.genetics.forestry.ubc.ca/cfgc/</a>			

**GENECOLOGY AND TESTING****RED ALDER (*Alnus rubra*)**

See species plan number 54

**BIGLEAF MAPLE (*Acer macrophyllum*)****Issues:**

Bigleaf maple is increasingly used commercially.

The demand for mixed-wood stands, wildlife habitat, and alternative species on root rot areas is leading silviculturists to use bigleaf maple.

**Provenance testing:**

Forty-three seed sources from the Maritime and SubMaritime seed zones (37 08' to 50 20') are under test on 4 coastal sites (trial started in 2008):

Sites are located on:

- southern Vancouver Island (Skutz Falls)
- northern Vancouver Island (Sayward)
- southern mainland (Seabird Island)
- mainland (Powell River)

**POPLAR (*Populus balsamifera*) and hybrids****Issues:**

Poplar offers the opportunity for fibre production in short-rotation, intensively managed plantations.

Breeding, selection and molecular genetics work in the United States, as well as selection and testing in BC have provided fast-growing clones.

**Provenance testing:**A test of 64 selected clones of *P. balsamifera* and hybrids are tested on 4 coastal and 2 interior sites. Planted in 1989.182 sources of *P. trichocarpa* ranging from 44° 00' in Oregon, to 59° 27' in the Dease Lake area are tested on 3 sites (Harrison Mills, Terrace, and Red Rock (planted in 2007, 2005 and 2005, respectively).

The test sites are receiving ongoing maintenance and measurement.

**Intensive management:**

Selected hybrid poplar is grown commercially in short-rotation plantations on some low-elevation coastal sites. Selection and stool-bed production is managed privately, and is not covered in this species plan.