

SPU # 45

Lodgepole pine Big Bar / Chilcotin all elevations

CONSERVATION -- GENECOLOGY -- SEEDLING USE

Program category: Genecology

Annual planting (million): 10.9

Program rank: 42

Filename: Pii BB CHL Sept 2017

GENETIC CONSERVATION STATUS

Conservation statistics

Seed planning unit (SPU) area	6,670,608
Area protected within SPU	632,118
Percentage of SPU area protected	9%
Estimated genetic reserves with >5000 mature trees based on botanical sample data	> 1
Confirmed genetic reserves with >5000 mature trees based on forest inventory data	17

Conservation status

Current in-situ protection status: **High**
Probability of maintaining > 3 protected areas with adequate population size given natural disturbance regimes: **High ***

* Analysis of protected area and inventory data is incomplete, however, populations and reserves are very high.

For further information visit <http://www.genetics.forestry.ubc.ca/cfgc/>

GENECOLOGY

Issues:

1. Seed zone boundaries for the Big Bar and Chilcotin seed zones are not based on provenance test data.
2. Parents selected in the Thompson Okanagan seed planning unit are being tested for possible use in the Big Bar and/or Chilcotin.
3. Operators in this area are working cooperatively to identify B+ seed sources.

Provenance testing:

Provenance tests planted in 2003. Selected families from the Thompson Okanagan zone are included in these tests.

Objectives are refinement of seed transfer guidelines, and locating superior stands for cone collection.

Seed sources:

The following B+ seed sources are suitable (see *Chief Forester Standards for Seed Use*):

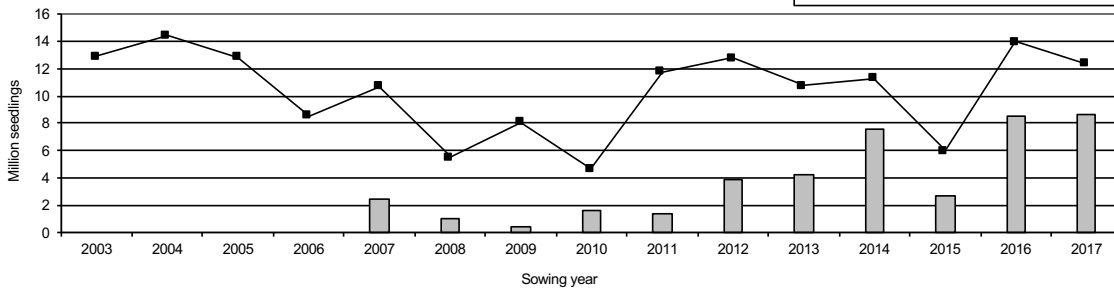
- CHL zone - Bowron River, Oie Lake, Udy Creek, and Whittier Creek
- BB zone - Wentworth Creek

SEEDLING USE

5-year average seedling requests to SPAR (2013 - 2017) 10.9 million years
Estimated years of class-A seed in storage 0.0 years

Seedling use shown here excludes sowing for areas of the BB and CHL class B zones that overlap with the Class A PG, BV, and TO zones

Seedling Use Trend - 2003 to 2017
SPU 45 Pii BB / CHL



Notes:
- Seedling use data include 1/2 of adjacent overlap zones, where applicable
- Sowing year: Aug 1 to July 31 (i.e. 2017 sowing year starts Aug 1, 2017)

The above forecasts are based on orchard status, seed inventories and seed use as of June, the year of publication, and are subject to change. Refer to the seed Planning and Registry System (SPAR) or contact the orchard manager for current seed inventories. Contact the Forest Improvement and Research Mgt. Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, to confirm data if used for silviculture or timber-supply planning.