

SPU # 45

Lodgepole pine Big Bar / Chilcotin all elevations

CONSERVATION -- GENEKOLOGY -- SEEDLING USE

Program category: Genecology

Annual planting (million): 10.4

Program rank: 42

Filename: Pli BB CHL July 12, 2015

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/>

GENEKOLOGY

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

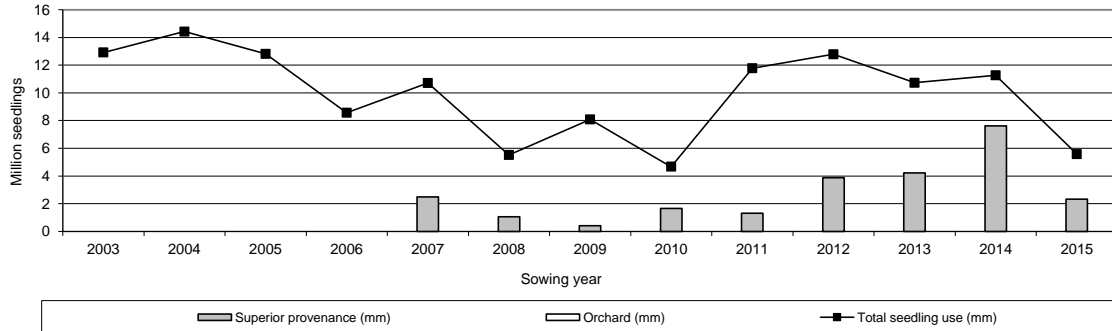
BB zone - Wentworth Creek

SEEDLING USE

5-year average seedling requests to SPAR (2011 - 2015) 10.4 million
 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 2015
SPU 45 Pli BB / CHL



- Notes:
- Seedling use data prior to the 2000 sowing year are estimated from old seed planning zones and are approximate.
 - Seedling use data include 1/2 of adjacent overlap zones, where applicable
 - Sowing year: Aug 1 to July 31 (i.e. 2015 sowing year starts Aug 1, 2014)

Seed production estimates are subject to change. When using this information for silviculture planning or timber supply analysis, contact the Tree Improvement Branch of the Ministry of Forests Lands and Natural Resource Operations to confirm data.
 See SeedMap on www.for.gov.bc.ca/htl/seedmap for current inventory by Seed Planning Unit