




Mountain Pine Beetle Seed Planning

TREE IMPROVEMENT BRANCH

BULLETIN 03
NOVEMBER 2006



Interior Lodgepole Pine Superior Provenance Cone Crop Aerial Survey April, 2006

Aerial Surveys

An aerial survey of six of the 11 Southern Interior superior provenance interior lodgepole pine (Pli) seed sources was conducted in April 2006. Anecdotal information was also received from field foresters as input for the assessment of potential cone crops in these areas.

Methodology – Aerial surveys were conducted of superior provenance stands that fell within the collection area identified in the *Chief Forester's Standards for Seed Use*, April 2005 – Appendix 5. *Superior provenance Pli collection areas fall between plus and minus 50 m elevation and within an 8-kilometre radius, of the original source point.*

Purpose – Assessment of the following collection area conditions:

- Forest cover (presence of living, mature Pli stands)
- Cone crop (very difficult to ascertain from air, requires ground surveys)
- Road access
- MPB attack.

Aerial Survey Assessment

Estimates of cone volumes, cone crop ratings, cone viability evaluations, and potential collection cost efficiencies were beyond the scope of the this aerial reconnaissance.

Parties interested in collecting Pli superior provenance cones are encouraged to contact cone collectors and seed dealers that are members of the British Columbia Tree Seed Dealers Association. Please contact BCTSDA president, Don Pigott, YellowPoint Propagation at (250) 245-4635 or email ypprop@shaw.ca.



Tree
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Ministry of Forests
and Range



| Helicopter Survey | | | |
|--|---|--|---|
| Provenance (Lat./Long./ Elev. Band) | "Collectible" stand locations (All within elevation band allowance.) | Comments (Forest cover, road access and aerial determination of MPB attack, April 2006) | Anecdotal Information |
| <i>Southern Interior</i> | | | |
| Canoe Creek | | | Very little collection potential remaining |
| Cartwright Lake 50° 49' / 116° 26' 1120–1220 m | 50° 49.7' 116° 24.5' | Road access; Pli visible; No MPB | |
| | 50° 50.5' 116° 75.0' | Road access; Pli visible; No MPB | |
| | 50° 50.5' 116° 25.8' | Road access; Pli visible; Some MPB | |
| | 50° 51.4' 116° 31.1' | Small stand, road access; Pli visible; No MPB | |
| | 50° 51.4' 116° 29.0' | Road access; Pli visible; No MPB | |
| | 50° 45.9' 116° 22.8' | Road access; Pli visible; No MPB | |
| Champion Lake | | | Some collection potential remaining but estimate not available at this time |
| China Valley | | | Under heavy MPB attack but many collectable stands left |
| Inonoaklin River 49° 54' / 118° 12' 530–630 m | 49° 54.1' 118° 12.1' | On highway, may be private land; Pli visible; No MPB | |
| | 49° 54.1' 118° 11.4' | Above highway with road access; Pli visible; No MPB | |
| | 49° 54.5' 118° 12.5' | East of highway with road access, may be private; Pli visible; No MPB | |
| | 49° 56.4' 118° 13.1' | Road access unknown; Pli visible; No MPB | |
| | 49° 52.5' 118° 11.0' | Road access; Pli visible; No MPB | |
| Joe Rich Creek 49° 48' / 119° 05' 1020–1120 m | 49° 51.7' 119° 7.5' | Road access; Pli visible; No MPB | |
| | 49° 54.7' 119° 6.7' | No road access; Pli visible; No MPB | |
| | 49° 51.9' 119° 5.7' | Road access; Pli visible; No MPB | |
| | 49° 52.0' 119° 4.9' | Road access (through stand); Pli visible; No MPB | |

| Helicopter Survey | | | |
|--|---|--|---|
| Provenance (Lat./Long./ Elev. Band) | "Collectible" stand locations (All within elevation band allowance.) | Comments (Forest cover, road access and aerial determination of MPB attack, April 2006) | Anecdotal Information |
| Larch Hills | | | Very little collection potential remaining |
| Lossie Creek 50° 27' / 118° 54' 1110–1210 m | 50° 25.7' 119° 00.4' | Road access; Pli visible; No MPB | |
| | 50° 27.2' 118° 55.8' | Road access; Pli visible; No MPB | |
| | 50° 27.8' 118° 56.2' | Road access; Pli visible; No MPB | |
| | 50° 28.6' 118° 56.9' | Road access; Pli visible; No MPB | |
| | 50° 29.3' 118° 56.9' | Road access; Pli visible; No MPB | |
| Marl Creek 51° 31' / 117° 11' 900–1000 m | 51° 29.1' 117° 11.8' | No road access; Pli visible: No MPB | |
| | 51° 28.9' 117° 11.3' | Road access; Pli visible; No MPB | |
| | 51° 29.1' 117° 08.5' | Woodlot license with road access; Pli visible; No MPB | |
| | 51° 30.3' 117° 10.6' | Road access; Pli visible; No MPB | |
| | 51° 30.5' 117° 11.4' | Road access; Pli visible; No MPB | |
| Settler's Road 50° 31' / 115° 44' 990–1090 m | 50° 29.8' 115° 41.8' | Road access; Pli visible; No MPB | |
| | 50° 30.9' 115° 43.5' | Road access; Pli visible; No MPB | |
| | 50° 31.5' 115° 44.1' | Road access; Pli visible; No MPB | |
| | 50° 32.5' 115° 44.6' | Road access; Pli visible; No MPB | |
| | 50° 33.3' 115° 45.3' | Road access; Pli visible; No MPB | |
| | 50° 33.8' 115° 45.8' | Road access; Pli visible; No MPB | |
| | | Some MPB in Kootenay Park just north of Provenance centre | |





| Helicopter Survey | | | |
|---|---|--|---|
| Provenance (Lat./Long./ Elev. Band) | "Collectible" stand locations (All within elevation band allowance.) | Comments (Forest cover, road access and aerial determination of MPB attack, April 2006) | Anecdotal Information |
| Wentworth Creek | | | Likely very little collection potential left |
| Central Interior | | | |
| Bowron River | | | Very little collectable cone/ seed left. Nearly logged out. |
| Nechako River | | | Remaining stands few and scattered. Heavy MPB attack throughout area. |
| Oie Lake | | | Moderate level of attack, less than either Udy Creek or Whittier Creek. Collection opportunity. |
| Telkwa Low | | | Status unknown at this time. |
| Udy Creek | | | Considerable standing timber, all under MPB attack. Collection opportunity. |
| Whittier Creek | | | Heavily attacked with some beetle-free (fall 2005) stands on the east side of the Fraser River. Collection opportunity. |
| Northern Interior | | | |
| Jackfish Creek | | | Many stands collectable. |

For more information, please contact:

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