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BY EMAIL

To: Regional Executive Directors
Ministry of Forests, Lands, Natural Resource Operations and Rural Development

Re: Errata No. 1 - 2017 *Cruising Manual*, Amendment No. 3

This is to advise you that section 3.5 "Survey and Area Measurement Standards" on page 3-13 contains an error.

Please replace that page with the attached.

A copy of the revised *Cruising Manual* will be available shortly at:

<http://www2.gov.bc.ca/gov/content/industry/forestry/competitive-forest-industry/timber-pricing/timber-cruising/timber-cruising-manual>

Comments or questions about this manual should be referred to Michael Wedel, Cruising Policy Forester, Timber Pricing Branch at (778) 974-2450.

We apologize for any inconvenience.

Allan W. Bennett, RPF
Director
Timber Pricing Branch

Attachment

pc: Jim Schafthuizen, A/Executive Director, Forest Policy and Indigenous Relations Division
Bruce Sullivan, Revenue Officer, Thompson Okanagan Region
Greg Jonuk, Cruising Specialist - North Area, Omineca Region
Grant Schellenberg, A/Cruising and Waste Specialist, West Coast Region

Table 3-6 Plot Distance Standards

Attribute	Maximum Variation
Plot centre reference tree to plot centre	Plus or minus 1.0 percent of horizontal distance
Radius - fixed and variable radius plots	Plus or minus 1.0 percent of horizontal distance
Length and width: fixed rectangular plots	Plus or minus 1.0 percent of horizontal distance

Establishing Cruise Plots Using GPS Technology

In order to use GPS technology to establish cruise plots, the GPS receiver must meet the following standards:

- Able to achieve submetre accuracy under ideal conditions (i.e. open area, no interference, good satellite coverage)
- Real time correction system with external antenna
- Minimum satellite elevation angle/mask is 15 degrees above the horizon
- RMS (Root Mean Square) minimum rating of 100 cm

If GPS is used to establish cruise plots, the following data must be submitted to the Ministry in a Plot Reference Point (PRP) table (if requested as per Section [3.8](#)):

- Cutblock
- Timber type
- Cruise plot number
- Horizontal Distance (m) from PRP to Cruise plot
- Calculated bearing (degrees) from PRP to Cruise plot
- Average PDOP – *maximum of 6.0*
- Average HDOP – *maximum of 4.0*
- Number of satellites when establishing PRP – *minimum of 4*
- Number of hits received when establishing PRP – *minimum of 50 hits*
- Mean difference of hits in metres (MDH) – *maximum of 1.0*
- Time of PRP establishment – **local date and time**