
APPENDIX D: DEVIATION FROM POTENTIAL SURVEY METHODOLOGY

I) DEVIATION FROM POTENTIAL SURVEY METHODOLOGY

The Deviation From Potential (DFP) survey methodology may be used to assess compliance with stocking standard where:

- (a) the stratum contains greater than or equal to five (5) and less than twenty (20) m² /ha of residual basal area in stems \geq 12.5 cm dbh, of preferred and/or acceptable species; and
- (b) the stratum is greater than 1 ha in size; and
- (c) the SU is not being managed to uneven-aged standards; and

Where the DFP survey methodology is used the applicable stocking standard in Appendix A with regard to preferred and acceptable species, minimum tree heights, minimum inter tree distance, stocking targets, regeneration period and free growing period, continue to apply with the following exceptions:

- (a) At regeneration delay, a tree must exceed 30cm in height; and at free growing, a tree must exceed 65% of the minimum free growing height listed for the species associated with the even aged stocking standard.
- (b) The minimum inter tree distance for stems \geq 12.5 cm dbh is 0.0 m.
- (c) subject to d), trees contributing to the retained basal area must be a preferred or acceptable species in the applicable stocking standard or another commercially valuable coniferous species. Trees contributing to the retained basal area must be of good quality as defined in the FS 660.
- (d) any tree species specifically reserved to address a result or strategy in the FSP will contribute to the measurable basal area on the site.

A stratum will be determined to be sufficiently stocked and/or free growing, if based on table 5 below,

- (a) the average DFP is \leq 0.2 and there is \leq 20% of the plots in the open plot category and where \geq 60% of the plots are in the stocked class. A plot is considered an open plot where based on table 5 the DFP for the plots is \geq 0.40; or

Table 5, Interior DFP – Overstorey Basal Area and Well-Spaced/Free Growing stems per plot

(Note: **Red** cells: “open”, **yellow**: “partially stocked”, and **green**: “stocked” categories)

| BA of Crop* Overstorey trees ≥ 12.5 cm dbh | Understorey - well-spaced or free growing stems per plot | | | | | | | | |
|--|--|------|------|------|------|------|------|------|------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 | 1.00 | 0.76 | 0.52 | 0.34 | 0.22 | 0.13 | 0.07 | 0.03 | 0.00 |
| 1 | 0.98 | 0.74 | 0.51 | 0.34 | 0.21 | 0.13 | 0.07 | 0.03 | 0.00 |
| 2 | 0.96 | 0.73 | 0.50 | 0.33 | 0.21 | 0.13 | 0.07 | 0.03 | 0.00 |
| 3 | 0.93 | 0.71 | 0.49 | 0.32 | 0.20 | 0.12 | 0.07 | 0.03 | 0.00 |
| 4 | 0.90 | 0.68 | 0.47 | 0.31 | 0.20 | 0.12 | 0.06 | 0.03 | 0.00 |
| 5 | 0.86 | 0.65 | 0.45 | 0.30 | 0.19 | 0.11 | 0.06 | 0.02 | 0.00 |
| 6 | 0.82 | 0.62 | 0.43 | 0.28 | 0.18 | 0.11 | 0.06 | 0.02 | 0.00 |
| 7 | 0.77 | 0.58 | 0.40 | 0.27 | 0.17 | 0.10 | 0.05 | 0.02 | 0.00 |
| 8 | 0.72 | 0.55 | 0.38 | 0.25 | 0.16 | 0.09 | 0.05 | 0.02 | 0.00 |
| 9 | 0.67 | 0.51 | 0.35 | 0.23 | 0.15 | 0.09 | 0.05 | 0.02 | 0.00 |
| 10 | 0.62 | 0.47 | 0.32 | 0.21 | 0.14 | 0.08 | 0.04 | 0.02 | 0.00 |
| 11 | 0.57 | 0.43 | 0.30 | 0.20 | 0.12 | 0.07 | 0.04 | 0.02 | 0.00 |
| 12 | 0.52 | 0.39 | 0.27 | 0.18 | 0.11 | 0.07 | 0.04 | 0.01 | 0.00 |
| 13 | 0.47 | 0.35 | 0.24 | 0.16 | 0.10 | 0.06 | 0.03 | 0.01 | 0.00 |
| 14 | 0.42 | 0.32 | 0.22 | 0.15 | 0.09 | 0.05 | 0.03 | 0.01 | 0.00 |
| 15 | 0.38 | 0.28 | 0.20 | 0.13 | 0.08 | 0.05 | 0.03 | 0.01 | 0.00 |
| 16 | 0.33 | 0.25 | 0.17 | 0.11 | 0.07 | 0.04 | 0.02 | 0.01 | 0.00 |
| 17 | 0.29 | 0.22 | 0.15 | 0.10 | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 |
| 18 | 0.26 | 0.19 | 0.13 | 0.09 | 0.06 | 0.03 | 0.02 | 0.01 | 0.00 |
| 19 | 0.22 | 0.17 | 0.12 | 0.08 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 |
| 20 | 0.19 | 0.14 | 0.10 | 0.07 | 0.04 | 0.02 | 0.01 | 0.01 | 0.00 |
| 21 | 0.16 | 0.12 | 0.08 | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 |
| 22 | 0.13 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 |
| 23 | 0.11 | 0.08 | 0.06 | 0.04 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 |
| 24 | 0.09 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 |
| 25 | 0.07 | 0.05 | 0.04 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 |
| 26 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| 27 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |