

# What's New in Silviculture Surveys – 2010?

## 1) Silviculture Survey Manual Changes 2010 – Highlights (excluding minor typo and clarification edits):

### Title Change

- Silviculture Survey Procedures Manual - **Regen Delay**, Stocking and Free Growing Surveys - **plus Alternative Survey Methodologies**

### Manual Organization

- The document has been grouped into sections relative to different stand structures possibly encountered by a surveyor:
  - **Sections 1 to 6**      **Fundamentals of Silviculture Surveying** - Common to all survey designs and methodologies.
  - **Sections 7 to 8**      **Standard Clearcut Even-aged Stand Structure** - Data collection and data compilation using standard MoFR field cards.
  - **Section 9**      **Alternative Survey Methodologies**
  - **Section 9.2**      **Complex Vertical Stand Structure** – Multi-Storey (uneven-aged) Survey; Layered (even-aged); Deviation from Potential (DFP – even-aged) and Single Entry Dispersed Retention Stocking Standard (SEDRSS - even-aged); Boreal Mixedwood Survey (even-aged).
  - **Section 9.3**      **Complex Horizontal Stand Structure** – Even-aged Clustered Stands; Intermediate Cut – Commercial Thinning; Clearcut with Reserves; Small Scale Harvested Openings.

### Chapter Content Updates

#### **1.0 Introduction**

- Illustration 1 has been added to show stand structures relative to survey methodologies.

#### **3.5.1 Methods to Determining Site Index**

- A recommended best practice has been added when the leading species in an inventory label, is inappropriate for the growth intercept method.

#### **3.8 Walkthrough**

- Further text has been added supporting a walkthrough as an optional step.

#### **4.1.6.1 Grid Sampling**

- Recommended best management options for plot adjustments have been added regarding pre-determined plot locations that end up in the field being too close to timber edges or in unmappable non-productive areas.

#### **8.1 Data Field Descriptions – 197 - % Host Trees Affected**

- A recommended rule of thumb has been added to aid in reporting pest incidence if the host species does not appear in the inventory label.

#### **8.1.3.6 Nomenclature when stratifying and ultimately reporting into RESULTS**

- Two diagrams have been added to illustrate examples of recommended practice of nomenclature.

#### **9.0 Alternative Survey Methodologies and Survey Selection Matrix**

- A new expanded chapter 9 has been added to include different survey approaches in use that are applicable to assess complex stand scenarios.

- A Survey Selection Matrix has been included in 9.1, providing guidance in the selection of a methodology for specific stand structures and stocking standards.

#### **9.2.1.1 Multi-storey Definitions**

- A basal area threshold of > 5 m<sup>2</sup> BA, has been added to the definition of the suitability of a multi-storey survey deployment.

#### **9.2.4 Single Entry Dispersed Retention Stocking Standard (SEDRSS) Survey – Coastal**

- The new SEDRSS system developed by the Coast Region Implementation Team (CRIT) has been included.

#### **9.3.3 Coastal Mixedwood Stand Structure Survey**

- A survey methodology for mixedwood Red Alder and conifers on the coast is included, originating from a CRIT discussion paper - *Hardwood Management in the Coast Forest Region* – published in April 2008.

#### **9.4.1 Green-up (Adjacency) Survey**

- The procedures from the old Green-up Guidebook has been updated and included for guidance when performing these surveys.

#### **9.4.2 Stand Development Monitoring (SDM) Mid-rotation Survey**

- The procedures of the SDM 2010 draft protocol survey methodology has been included.

#### **10.0 Provincial Accreditation and Training**

- A paragraph has been added to explain the recent Association of BC Forest Professionals (ABC FP) inclusion of Accredited Surveyors as potential Associate Membership in the ABCFP.

### **Appendices Added**

#### **Appendix 9**

- The actual Appendix 9 – *Free from Brush – Free Growing Criteria* - from the old *Establishment to Free Growing Guidebooks*, has been inserted into the Appendix ( location of the Crown Closure Comparative Diagrams has been moved to Appendix 9a)

#### **Appendix 10a**

- The new - Stand Development Monitoring (SDM) Damage Criteria for Even-aged (Age Class 2 and 3) Coniferous Trees, Feb. 2010 – has been added.