

Linking Prognosis^{BC} to Aerial Attributes for Timber Supply Analysis in British Columbia

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Abstract—In British Columbia, the forestland is divided into various strata based on forest cover types and aerial attributes for forest inventory purposes. To manage forest resources in perpetuity, several growth and yield models have been developed and used in various parts of the province. Among these models, Prognosis^{BC} (adapted from the northern Idaho variant of FVS) is used in the southeastern interior of the province. However, the estimates from this model have not been linked to aerial attributes nor have they been used to update the existing inventory databases. This paper discusses how Prognosis^{BC} can be linked to aerial attributes and inventory databases when there are large and widely varied land

bases and insufficient ground data. Differences in observed and estimated species composition, tree, and stand attributes are also discussed.

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