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All Interior Appraisal Manual Holders

Two typographic errors were found in Chapter 4.

Please go to Chapter 4 and remove pages 4-17, 4-18 and 4-31, 4-32 from the manual and replace them with the attached pages for Chapter 4. We apologize for any inconvenience this may have caused.

Yours truly,

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Enclosures

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Snow roads

The subgrade cost estimate for all snow roads (winter) is \$4 500/km.

Table 4-3 Road Groups

Road Group #	Districts Included	Within the Geographic Boundary of a TSA, SB and TFL
1	Kalum, Kispiox	
2	Bulkley - (Cassiar), Lillooet	
3	Lakes, Morice	
4		Williams Lake TSA, SBs J, K & L Prince George TSA, SBs G & H, TFLs 30, 53 Quesnel TSA, SBs E, F, G, H & I, TFL52 100 Mile House TSA, SBs, G & H
5	Vanderhoof	Prince George TSA, SBs C, E, F & I
6	Fort St. James	Mackenzie TSA, SBs G through P
7	Dawson Creek Fort St. John Fort Nelson	Mackenzie TSA, SBs A through F
8	Chilcotin	Williams Lake TSA, SBs F, G, H & P Quesnel TSA, SBs A, B, C & D, TFL5 100 Mile House TSA, SBs A, B, C, D, E, F
9	Kamloops Merritt Penticton Vernon	
10	Boundary Cranbrook Invermere	
11	Arrow Columbia (Golden, Revelstoke) Kootenay Lake	
12	Clearwater Robson Valley Salmon Arm	Williams Lake TSA, SBs M & N

Woodlot and Timber Licence cutting authorities are to be assigned to the road group area in which they are geographically located.

4.3.2.4 Drainage Structures

An appraisal may include a cost estimate for large drainage structures only where their requirement is substantiated by field data. Such structures shall be placed so as to maintain the natural drainage pattern of the area crossed by the proposed road. All pipe culverts under 950 mm in diameter and all single log abutment culverts under 3.5 m span length are included in the subgrade cost estimates (see Section 4.3.2.1).

See page 39 of the *Forest Road Engineering Guidebook* for a detailed description.

See pages 85 (Pipe Culverts) and 93 (Log Culverts) of the *Forest Road Engineering Guidebook* for detailed description.

1. Culverts

The cost estimates for the supply and installation of culverts from 0.95 m to 1.8 m in diameter are determined from Table 4-4 that follows. Detailed engineering cost estimates are required for larger metal culverts (culverts smaller than 0.95 m are included in the subgrade costs). No interpolation of values is permitted. Total installation cost for culverts includes all costs of transporting the culvert to the jobsite and all costs of installation of the culvert to the final subgrade stage.

Cariboo

100 Mile House

Quesnel

Williams Lake

For isolated cutting authorities (see Section 4.8.2), the distance to support centre is the one-way road distance from the geographic centre of the cutting authority to the isolated camp or where there is no isolated camp, to a community from the list above. Where more than one alternative is possible, the least cost alternative is used. The distance is measured to the nearest kilometre.

The following distance variables are included:

- NEWDIST200 = 0 IF DS ≤ 100 km
 = (DS-100) if DS > 100 km and ≤ 200 km
 = 100 if DS > 200 km
- NEWDIST250 = 0 if DS ≤ 100 km
 = (DS-100) if DS > 100 km and ≤ 250 km
 = 150 if DS > 250 km

7. Gross Volume per Tree (GVOL)

Gross volume per tree (m³) is computed as: $VOLTREE / (1 - \text{defect \%} / 100)$.

Where:

Defect is the estimate of decay, waste and breakage (DWB) percent of the coniferous gross volume from the cruise summary for the trees to be harvested. Where utilization of deciduous volume is mandatory under the licence, defect percent is taken from the stand volume of the cruise summary. Defect percent is recorded to the nearest whole percentage point for appraisal calculation purposes.

8. Small Tree Volume (SMALL TREEVOL)

SMALLTREEVOL = Average net merchantable volume (m³) per tree if < 0.26 m³/tree. If ≥ 0.26 m³/tree SMALLTREEVOL = 0.

9. Small Tree Dummy Variable (SMALLTREED)

SMALLTREED = 1 if average net merchantable volume per tree $< 0.26 \text{ m}^3/\text{tree}$, otherwise = 0.

10. Heli Yarding Distance (HELIYARD)

Total loaded helicopter yarding distance (km) measured to the nearest 0.1 km.

11. Skyline Yarding Distance (SKYYARD)

Average skyline slope distance (m).

12. Species Percent

Where a phase cost estimate includes a specific species variable, the appropriate species volume (from the Harvest Method Summary of the Cruise Compilation) should be entered on the data sheet. The percent will be calculated automatically.

He - Hemlock

Sp - Spruce

Fi - Fir

Pl - Lodgepole Pine

13. FNP = Fort Nelson, Peace River area consisting of the Fort Nelson, Fort St. John and Dawson Creek Forest Districts.