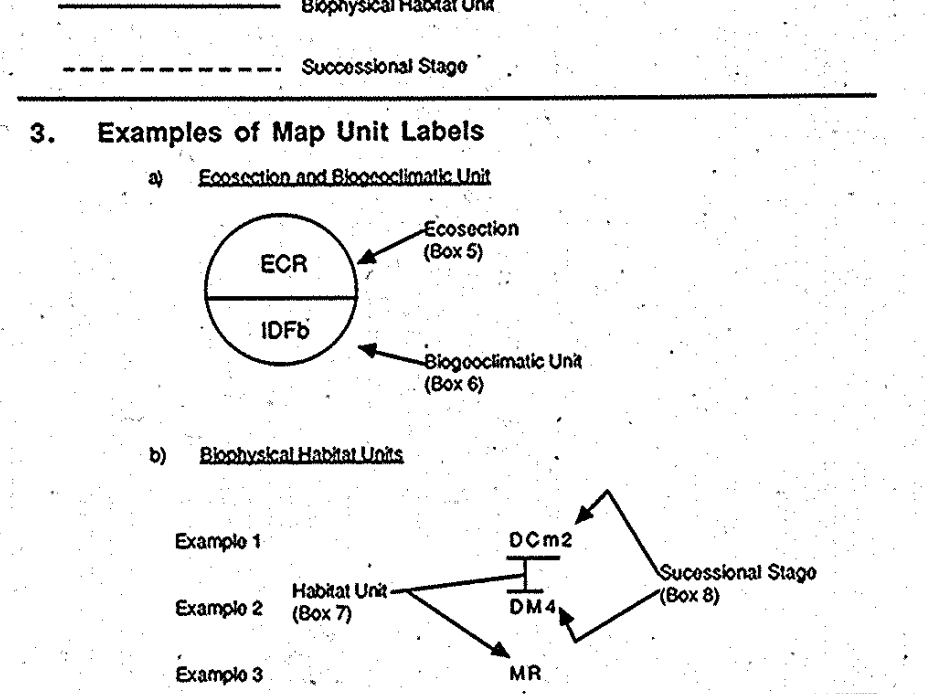




BIOPHYSICAL HABITAT UNITS FOR THE MOSLEY CREEK STUDY AREA

1. Explanatory Notes
 The Mosley Creek study area occurs in the west-central interior of British Columbia, west of the Coast Range. The map depicts Ecogeographic, Biogeographic Subunits and Biophysical Habitat Units. Ecogeographic units are large regional forest areas influenced by a particular macroclimatic process or major topographic feature over a large geographic area which results in the presence of certain plant communities and wildlife populations (Cronquist, 1960). Biogeographic Subunits are areas characterized by a distinct climatic, floral or faunal sequence of geographically related vegetation influenced by one type of regional climate. These are mapped for the Carbon Forest Region by the Institute of Forest Sciences (1985). Biophysical Habitat Units are ecogeographic units that are relatively homogeneous with respect to their macroclimatic, topographic, floral, faunal use, and successional stages of vegetation (Cronquist et al. 1975). This work is mapped at a scale of 1:20,000 for parts of National Topographic Series 92N/066, 92N/076, 92N/077. Detailed description of the Habitat Units are provided in the map legend (1985).

2. Map Boundaries
 Study Area
 Ecogeographic Unit
 Biogeographic Unit
 Successional Stage



4. Composite Units
 Composite units are formed when two or three types of Habitat Units are so distributed that they cannot be designated as separate units at the scale of mapping. Superimposed numbers show the relative percentages, in terms of each Habitat Unit.

60% of unit 40% of unit

DCm1-DCm2

5. Ecogeographic
 Map Symbol Ecogeographic Unit Description
 ECR This Ecogeographic Unit includes the Coast Range, which occur in the rainshadow of the Coast Mountains.
 IDFB5 This Ecogeographic Unit includes the western portion of the Coast Range, which is a rainshadow area from the Western Coast Range Ecogeographic Unit.

6. Biogeographic Units
 Map Symbol Biogeographic Unit Description
 ECR Very Dry This zone is characterized by having very dry conditions and a high degree of soil moisture deficit.
 IDFB5 This zone is characterized by having moderate conditions and a moderate degree of soil moisture deficit.
 MS Moisture Space This zone is characterized by having moist conditions and a high degree of soil moisture deficit. Soil forms are dominated by podzolic soils and are heavily forested. Common understory plants include: blueberry, huckleberry, and snow mold.

7. Habitat Units and Successional Stages
 Map Symbol Habitat Unit Successional Stage Description
 MS MS MS Moisture Space
 IDFB5 IDFB5 IDFB5 Very Dry
 ECR ECR ECR Ecogeographic Unit
 DCm1 DCm1 DCm1 Douglas-fir - western hemlock forest, mature stage
 DCm2 DCm2 DCm2 Douglas-fir - western hemlock forest, mature stage
 DCm3 DCm3 DCm3 Douglas-fir - western hemlock forest, mature stage
 DCm4 DCm4 DCm4 Douglas-fir - western hemlock forest, mature stage
 DCm5 DCm5 DCm5 Douglas-fir - western hemlock forest, mature stage
 DCm6 DCm6 DCm6 Douglas-fir - western hemlock forest, mature stage
 DCm7 DCm7 DCm7 Douglas-fir - western hemlock forest, mature stage
 DCm8 DCm8 DCm8 Douglas-fir - western hemlock forest, mature stage
 DCm9 DCm9 DCm9 Douglas-fir - western hemlock forest, mature stage
 DCm10 DCm10 DCm10 Douglas-fir - western hemlock forest, mature stage
 DCm11 DCm11 DCm11 Douglas-fir - western hemlock forest, mature stage
 DCm12 DCm12 DCm12 Douglas-fir - western hemlock forest, mature stage
 DCm13 DCm13 DCm13 Douglas-fir - western hemlock forest, mature stage
 DCm14 DCm14 DCm14 Douglas-fir - western hemlock forest, mature stage
 DCm15 DCm15 DCm15 Douglas-fir - western hemlock forest, mature stage
 DCm16 DCm16 DCm16 Douglas-fir - western hemlock forest, mature stage
 DCm17 DCm17 DCm17 Douglas-fir - western hemlock forest, mature stage
 DCm18 DCm18 DCm18 Douglas-fir - western hemlock forest, mature stage
 DCm19 DCm19 DCm19 Douglas-fir - western hemlock forest, mature stage
 DCm20 DCm20 DCm20 Douglas-fir - western hemlock forest, mature stage
 DCm21 DCm21 DCm21 Douglas-fir - western hemlock forest, mature stage
 DCm22 DCm22 DCm22 Douglas-fir - western hemlock forest, mature stage
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 DCm24 DCm24 DCm24 Douglas-fir - western hemlock forest, mature stage
 DCm25 DCm25 DCm25 Douglas-fir - western hemlock forest, mature stage
 DCm26 DCm26 DCm26 Douglas-fir - western hemlock forest, mature stage
 DCm27 DCm27 DCm27 Douglas-fir - western hemlock forest, mature stage
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 DCm30 DCm30 DCm30 Douglas-fir - western hemlock forest, mature stage
 DCm31 DCm31 DCm31 Douglas-fir - western hemlock forest, mature stage
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 DCm46 DCm46 DCm46 Douglas-fir - western hemlock forest, mature stage
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 DCm67 DCm67 DCm67 Douglas-fir - western hemlock forest, mature stage
 DCm68 DCm68 DCm68 Douglas-fir - western hemlock forest, mature stage
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 DCm93 DCm93 DCm93 Douglas-fir - western hemlock forest, mature stage
 DCm94 DCm94 DCm94 Douglas-fir - western hemlock forest, mature stage
 DCm95 DCm95 DCm95 Douglas-fir - western hemlock forest, mature stage
 DCm96 DCm96 DCm96 Douglas-fir - western hemlock forest, mature stage
 DCm97 DCm97 DCm97 Douglas-fir - western hemlock forest, mature stage
 DCm98 DCm98 DCm98 Douglas-fir - western hemlock forest, mature stage
 DCm99 DCm99 DCm99 Douglas-fir - western hemlock forest, mature stage
 DCm100 DCm100 DCm100 Douglas-fir - western hemlock forest, mature stage

8. Successional Stages
 Successional stages are only mapped for forested Habitat Units. The following stages are recognized:
 1. Pioneer (less than 20 years)
 2. Young Forest (20 - 40 years)
 3. Mature Forest (40 - 100 years)
 4. Old Growth Forest (100 years)

9. Source of Information
 (a) British Columbia Ministry of Environment, Wildlife Branch
 (b) British Columbia Ministry of Environment, Wildlife Branch
 (c) British Columbia Ministry of Environment, Wildlife Branch
 (d) British Columbia Ministry of Environment, Wildlife Branch
 (e) British Columbia Ministry of Environment, Wildlife Branch
 (f) British Columbia Ministry of Environment, Wildlife Branch
 (g) British Columbia Ministry of Environment, Wildlife Branch
 (h) British Columbia Ministry of Environment, Wildlife Branch
 (i) British Columbia Ministry of Environment, Wildlife Branch
 (j) British Columbia Ministry of Environment, Wildlife Branch
 (k) British Columbia Ministry of Environment, Wildlife Branch
 (l) British Columbia Ministry of Environment, Wildlife Branch
 (m) British Columbia Ministry of Environment, Wildlife Branch
 (n) British Columbia Ministry of Environment, Wildlife Branch
 (o) British Columbia Ministry of Environment, Wildlife Branch
 (p) British Columbia Ministry of Environment, Wildlife Branch
 (q) British Columbia Ministry of Environment, Wildlife Branch
 (r) British Columbia Ministry of Environment, Wildlife Branch
 (s) British Columbia Ministry of Environment, Wildlife Branch
 (t) British Columbia Ministry of Environment, Wildlife Branch
 (u) British Columbia Ministry of Environment, Wildlife Branch
 (v) British Columbia Ministry of Environment, Wildlife Branch
 (w) British Columbia Ministry of Environment, Wildlife Branch
 (x) British Columbia Ministry of Environment, Wildlife Branch
 (y) British Columbia Ministry of Environment, Wildlife Branch
 (z) British Columbia Ministry of Environment, Wildlife Branch

10. References
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 Lee, E.C. and R.C. Knight. 1966. Biophysical Habitat Units for the Mosley Creek Study Area. Ecogeographic Units and Successional Stages. British Columbia Ministry of Environment, Wildlife Branch, Victoria, B.C.

11. Credits
 Mapped by: R.C. Knight (Ecogeographic Units) and E.C. Lee (Successional Stages), Wildlife Branch, British Columbia Ministry of Environment, Wildlife Branch, Victoria, B.C.
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 Drafted by: S. Coates, British Columbia Ministry of Environment, Wildlife Branch, Victoria, B.C.
 Map Production by: Diane McKee, Wildlife Branch, Ministry of Environment, Wildlife Branch, Victoria, B.C.
 Base Map Provided by: Survey and Resource Mapping Branch, British Columbia Ministry of Environment, Wildlife Branch, Victoria, B.C.

12. Observation and Sample Plot Distribution

This map consists of portions of 92N.066, 92N.076 and 92N.077