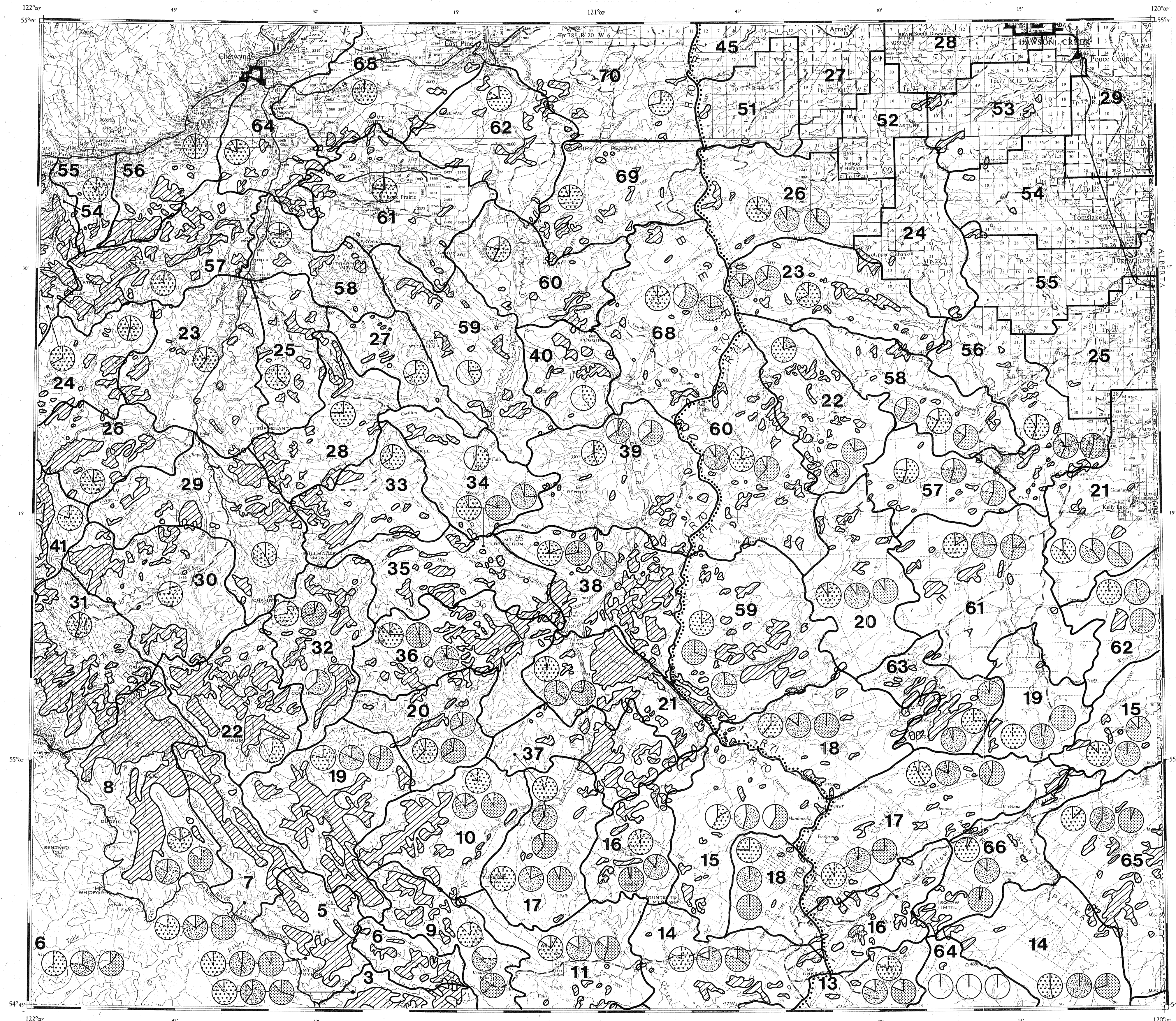
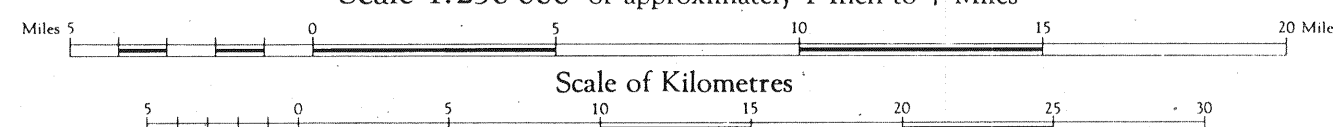


# NORTHEAST COAL STUDY CORE AREA RESOURCE PLANNING FRAMEWORK



Base map provided by Surveys and Mapping Branch,  
Ministry of Environment, Victoria, B.C.  
Contains  
portions of NTS sheets 931 and P  
Contour interval 500 feet

Scale 1:250 000 or approximately 1 Inch to 4 Miles



## TIMBER RESOURCES III Economic Operability

| Limits of the Operable Forest by Compartment |                             |          |          |          |          |          |          |          |           |  |
|----------------------------------------------|-----------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|--|
| (1)<br>Region                                | (2)<br>m <sup>2</sup> x 100 | (3)<br>% | (4)<br>% | (5)<br>% | (6)<br>% | (7)<br>% | (8)<br>% | (9)<br>% | (10)<br>% |  |
| 70                                           |                             |          |          |          |          |          |          |          |           |  |
| 3                                            | 3 263                       | 11       | 0        | 0        | 66       | 29       | 89       | 89       | 89        |  |
| 5                                            | 6 233                       | 4        | 0        | 0        | 49       | 0        | 95       | 95       | 95        |  |
| 6                                            | 2 482                       | 26       | 0        | 0        | 32       | 7        | 64       | 74       | 64        |  |
| 7                                            | 6 751                       | 12       | 2        | 0        | 13       | 0        | 86       | 86       | 86        |  |
| 8                                            | 24 217                      | 8        | 4        | 14       | 55       | 0        | 88       | 88       | 86        |  |
| 9                                            | 3 023                       | 14       | 0        | 0        | 24       | 0        | 84       | 86       | 86        |  |
| 10                                           | 6 652                       | 3        | 8        | 0        | 16       | 0        | 89       | 89       | 89        |  |
| 11                                           | 9 52                        | 7        | 7        | 10       | 86       | 55       | 66       | 86       | 86        |  |
| 14                                           | 2 088                       | 22       | 0        | 0        | 78       | 33       | 78       | 78       | 78        |  |
| 15                                           | 1 967                       | 0        | 43       | 15       | 57       | 57       | 57       | 57       | 57        |  |
| 16                                           | 2 110                       | 1        | 0        | 0        | 91       | 94       | 94       | 99       | 99        |  |
| 17                                           | 1 060                       | 0        | 9        | 0        | 19       | 91       | 91       | 91       | 91        |  |
| 18                                           | 0                           | 0        | 74       | 100      | 100      | 100      | 100      | 100      | 100       |  |
| 19                                           | 14 225                      | 3        | 3        | 0        | 30       | 55       | 81       | 86       | 86        |  |
| 20                                           | 2 512                       | 0        | 3        | 62       | 62       | 62       | 95       | 97       | 97        |  |
| 21                                           | 10 195                      | 0        | 2        | 1        | 32       | 80       | 98       | 98       | 98        |  |
| 22                                           | 11 772                      | 17       | 15       | 0        | --       | --       | 58       | --       | --        |  |
| 23                                           | 2 210                       | 0        | 10       | 58       | --       | --       | 97       | --       | --        |  |
| 24                                           | 2 210                       | 0        | 3        | 57       | --       | --       | 100      | --       | --        |  |
| 25                                           | 1 702                       | 0        | 0        | 36       | --       | --       | 100      | --       | --        |  |
| 26                                           | 5 628                       | 2        | 6        | 20       | --       | --       | 92       | --       | --        |  |
| 27                                           | 8 828                       | 0        | 32       | 68       | --       | --       | 68       | --       | --        |  |
| 28                                           | 4 148                       | 0        | 0        | 73       | --       | --       | 100      | --       | --        |  |
| 29                                           | 8 135                       | 4        | 5        | 36       | --       | --       | 87       | --       | --        |  |
| 30                                           | 8 872                       | 3        | 12       | 0        | --       | --       | 75       | --       | --        |  |
| 31                                           | 12 744                      | 7        | 1        | 57       | --       | --       | 92       | --       | --        |  |
| 32                                           | 4 962                       | 28       | 2        | 0        | 0        | 3        | 70       | --       | --        |  |
| 33                                           | 4 171                       | 5        | 0        | 67       | --       | --       | 95       | --       | --        |  |
| 34                                           | 2 555                       | 0        | 46       | 54       | --       | --       | 54       | --       | --        |  |
| 35                                           | 4 486                       | 2        | 3        | 24       | 24       | 78       | 95       | 95       | 95        |  |
| 36                                           | 7 977                       | 0        | 1        | 26       | 26       | 45       | 94       | 94       | 95        |  |
| 37                                           | 6 654                       | 0        | 5        | 23       | 58       | 59       | 95       | 95       | 95        |  |
| 38                                           | 12 850                      | 0        | 4        | 18       | 33       | 73       | 96       | 96       | 96        |  |
| 39                                           | 2 473                       | 0        | 35       | 19       | 5        | 65       | 65       | 65       | 65        |  |
| 40                                           | 2 277                       | 10       | 50       | 0        | --       | --       | 40       | --       | --        |  |
| 41                                           | 2 212                       | 0        | 15       | 0        | --       | --       | 85       | --       | --        |  |
| 42                                           | 5 335                       | 3        | 3        | 73       | --       | --       | 94       | --       | --        |  |
| 43                                           | 5 44                        | 0        | 4        | 0        | --       | --       | 96       | --       | --        |  |
| 44                                           | 4 913                       | 0        | 3        | 49       | --       | --       | 97       | --       | --        |  |
| 45                                           | 12 232                      | 0        | 0        | 69       | --       | --       | 100      | --       | --        |  |
| 46                                           | 687                         | 0        | 19       | 16       | --       | --       | 81       | --       | --        |  |
| 47                                           | 3 609                       | 0        | 2        | 33       | --       | --       | 41       | --       | --        |  |
| 48                                           | 1 796                       | 0        | 17       | 55       | --       | --       | 83       | --       | --        |  |
| 49                                           | 2 801                       | 0        | 3        | 78       | --       | --       | 97       | --       | --        |  |
| 50                                           | 4 516                       | 0        | 15       | 76       | --       | --       | 85       | --       | --        |  |
| 51                                           | 4 228                       | 0        | 5        | 82       | --       | --       | 95       | --       | --        |  |
| 52                                           | 2 564                       | 0        | 0        | 100      | --       | --       | 100      | --       | --        |  |
| 53                                           | 1 468                       | 3        | 7        | 23       | 0        | 23       | 90       | 56       | 90        |  |
| 54                                           | 2 654                       | 0        | 5        | 73       | --       | --       | 95       | --       | --        |  |
| 55                                           | 1 130                       | 0        | 28       | 72       | --       | --       | 72       | --       | --        |  |
| 71                                           |                             |          |          |          |          |          |          |          |           |  |
| 13                                           | 1 90                        | 0        | 16       | 0        | 84       | 84       | 84       | 84       | 84        |  |
| 14                                           | 380                         | 0        | 0        | 48       | 100      | 70       | 100      | 100      | 100       |  |
| 15                                           | 260                         | 0        | 0        | 93       | 100      | 93       | 100      | 100      | 100       |  |
| 16                                           | 2 113                       | 0        | 2        | 0        | 98       | 76       | 98       | 98       | 98        |  |
| 17                                           | 991                         | 0        | 4        | 39       | 86       | 55       | 96       | 96       | 96        |  |
| 18                                           | 1 667                       | 0        | 0        | 58       | 83       | 100      | 100      | 100      | 100       |  |
| 19                                           | 245                         | 0        | 0        | 0        | 0        | 0        | 100      | 100      | 100       |  |
| 20                                           | 936                         | 0        | 6        | 94       | 94       | 94       | 94       | 94       | 94        |  |
| 21                                           | 798                         | 0        | 17       | 33       | 33       | 83       | 83       | 83       | 83        |  |
| 22                                           | 4 290                       | 0        | 2        | 21       | 0        | 21       | 88       | 98       | 98        |  |
| 23                                           | 3 074                       | 0        | 11       | 68       | 18       | 68       | 89       | 89       | 89        |  |
| 24                                           | 883                         | 0        | 4        | 36       | 0        | 36       | 96       | 96       | 96        |  |
| 25                                           | 2 270                       | 0        | 9        | 55       | 55       | 55       | 91       | 91       | 91        |  |
| 26                                           | 969                         | 0        | 2        | 59       | 59       | 59       | 77       | 77       | 77        |  |
| 27                                           | 1 565                       | 0        | 16       | 67       | 67       | 67       | 84       | 84       | 84        |  |
| 28                                           | 8 574                       | 0        | 0        | 16       | 27       | 36       | 100      | 100      | 100       |  |
| 29                                           | 3 891                       | 0        | 8        | 18       | 0        | 63       | 92       | 92       | 92        |  |
| 30                                           | 1 475                       | 0        | 0        | 15       | 21       | 21       | 100      | 100      | 100       |  |
| 31                                           | 167                         | 0        | 0        | 0        | 0        | 0        | 100      | 100      | 100       |  |
| 32                                           | 1 901                       | 0        | 0        | 26       | 91       | 91       | 100      | 100      | 100       |  |
| 33                                           | 38                          | 0        | 100      | 0        | 0        | 0        | 0        | 0        | 0         |  |
| 34                                           | 3 779                       | 0        | 0        | 12       | 58       | 3        | 100      | 100      | 100       |  |
| 35                                           | 1 547                       | 0        | 0        | 3        | 89       | 3        | 100      | 100      | 100       |  |
| 71                                           | 285 035                     | 4%       | 6%       | 26%      | 39%      | 39%      | 88%      | 90%      | 89%       |  |

### Notes to Table

- Compartment numbers - compartments are permanent subdivisions of forest land which have been devised primarily for compilation of inventory data.
- Standing volume of mature timber according to Timber Supply Area Standards, plus volume of stands maturing within the next 20 years, less volume of stands within inoperable Environmental Protection Areas, less volume of areas logged or burned since the last inventory (1969, 1970).
- Standing volume of timber in Terrain Classes 4 and 5 (cable yarding equipment required) amounting to less than 280 m<sup>3</sup>/ha (assumed here to be inoperable), expressed as a percentage of (2).
- Standing volume of timber considered to be isolated from development in the short term (the next 20 years), expressed as a percentage of (2).
- (6)(7) Standing volume of timber economically operable at the medium average price, when delivered to existing mills (5), to Stony Lake (6), or to Tumbler Ridge (7), expressed as a percentage of (2).
- (9)(10) Standing volume of timber economically operable at the high average price, when delivered to existing mills (8), to Stony Lake (9), or to Tumbler Ridge (10), expressed as a percentage of (2).

Pie Symbols

Sawmill location options tested in the economic operability analysis:

- Existing mills - at Chetwynd (for timber west of the Murray River), and at Dawson Creek (for timber east of the Murray River).
- Potential sawmill assumed in the Stony Lake area.
- Potential sawmill assumed in the Tumbler Ridge area.

For each sawmill location option, the proportions of a compartment's twenty-year timber supply economically operable at the two price levels are indicated as follows (read pie diagram clockwise - this example is for existing mills):

Proportion Operable at Medium Average Price

Proportion Inoperable

Proportion Operable at High Average Price

The following types of pie graph should be interpreted as indicated:

- Total compartment volume is operable at medium average price (no inoperable timber)
- Total compartment volume is operable at high average price (no inoperable timber)
- (b) Total compartment volume is operable, partly at medium average price (a), partly at high average price (b).

Where a compartment is closer to the Chetwynd mill than to either of the potential mill sites, economic operability data have not normally been calculated for the potential mill sites. However, for compartments closer to the Dawson Creek mill than to the potential mill sites, pie graphs have been prepared for the latter because of current speculation regarding the future of the Dawson Creek mill.

Other Map Symbols

- Stands of merchantable coniferous timber currently mature or expected to mature during the short-term (twenty-year) timber harvesting planning period.
- Compartment boundary and compartment number.
- Boundary between Region 70 and Region 71.

Source

Griffin Forest Consultants Ltd., in collaboration with the B.C. Forest Service, February, 1980.

Map 19

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