

APPENDIX B -- DATA SOURCES

Inventory data was obtained from the following sources: US -- John Mills, USDA Forest Service, Portland, Oregon; Canada -- Lowe et al. (1994); Europe -- Kuusela (1994), Bazett (1993); Former Soviet Union -- Backman and Waggener (1991); Oceania -- FAO (1995), and Pandey; China -- Yin (1995), FAO (1993a), Richardson(1990), FAO (1982), and A Working Report on the Forest Inventory in China by the Center for Forest Inventory, Ministry of Forestry, China; South America -- FAO (1993b) and Pandey (1992); India -- FAO (1993b) and Pandey (1992); Asia Pacific -- FAO (1993b), Pandey (1992), Sedjo and Lyon (1990); Africa -- FAO (1993b) and Pandey (1992).

Yield function data was determined in one of two ways. First, where data was available, yield functions were estimated. In some regions, however, data was not available, yield functions of the form given in A1 above were fitted using information on current stocking density and age distribution. Information was obtained from the following sources: Sohngen (1996); Sedjo and Lyon (1990); Backman and Waggener (1991); Kuusela (1994); and Pandey (1992).

Harvesting costs were generally obtained from Sedjo and Lyon (1990). Where harvesting cost data was not available, costs were determined using costs from similar regions in other parts of the globe. Data from US Forest Service (1996) was used to develop access cost functions for building roads in different regions of the US. This data was used to estimate cost functions for other regions of the world with similar terrain and access characteristics. Plantation establishment and regeneration costs were obtained from Sedjo (1983), and Sedjo and Lyon (1990).