BIOLOGICAL DIVERSITY

1.1 **Ecosystem Diversity**



Area of forest, by type and age class, and wetlands in each ecozone



Area of forest by type and age class, wetlands, soil ypes, and geomorphological feature types in protected areas in each ecozone

> 1.2 **Species** Diversity



Status of forest-associated species at risk



Population levels of selected forest-associated species



Distribution of selected forest-associated species



Number of invasive, alien forest-associated species

> 1.3 Genetic **Diversity**



Genetic diversity of reforestation seed lots



Status of in situ and ex situ conservation efforts for native tree species in each



Core Indicator



ECOSYSTEM CONDITION AND PRODUCTIVITY



Total growing stock of both merchantable and nonmerchantable tree species on forest land



Additions and deletions of forest area by cause



Area of forest disturbed by fire, insects, disease, and timber harvest



Area of forest with impaired function due to ozone and acid rain



Proportion of timber harvest area successfully regenerated

SOIL AND WATER



Rate of compliance with locally applicable soil disturbance standards



Rate of compliance with locally applicable road construction, stream crossing, and riparian zone management standards



Proportion of watersheds with substantial stand-replacing disturbance in the last 20 years

ROLE IN GLOBAL **ECOLOGICAL CYCLES**

4.1 Carbon Cycle



Net change in forest ecosystem carbon



Forest ecosystem carbon storage by forest type and age class



Net change in forest products carbon



Forest sector carbon emissions

ECONOMIC AND SOCIAL BENEFITS

5.1 **Economic** Benefits



Contribution of timber products to the gross domestic product



Value of secondary manufacturing of timber products per volume harvested



Production, consumption, imports, and exports of timber products



Contribution of nontimber forest products and forest-based services to the gross domestic product



Value of unmarketed nontimber forest products and forest-based services

5.2

Distribution of Benefits



Forest area by timber tenure



Distribution of financial benefits from the timber products industry

5.3

Sustainability of Benefits

Annual harvest of timber relative to the level of havest deemed to be sustainable

(5.3.2)

Annual harvest of nontimber forest products relative to the level of harvest deemed to be sustainable



Return on capital employed



Productivity index



Direct, indirect, and induced employment

(5.3.6)

Average income in major employment categories

SOCIETY'S RESPONSIBILITY

6.1 Aboriginal and **Treaty Rights**



Extent of consultation with Aboriginals in forest management planning and in the development of policies and legislation related to forest management



Area of forest land owned by Aboriginal peoples

6.2

Aboriginal Traditional Land Use and Forest-based **Ecological** Knowledge



Area of crown forest land with traditional land use studies

6.3

Forest

Community Well-being and Resilience

Economic diversity index of forest-based communities



in forest-based communities



forest-based communities



forest-based communities

6.4

Fair and Effective **Decision Making**



Proportion of participants who are satisfied with public involvement processes in forest management in Canada

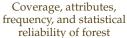


Rate of compliance with sustainable forest management laws and

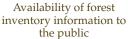
6.5

Informed **Decision Making**

6.5.1



inventories



6.5.3

Investment in forest research, timber products industry research and development, and education



Status of new or updated forest management guidelines and standards related to ecological issues