

Appendix 8. Importance of Forests to People: Detailed Values

IMPORTANCE OF FOREST TO PEOPLE: DETAILED VALUES	
Note: Values are arranged in themes to coincide with Montreal Process Criteria where logical. Total responses for each value are drawn from 241 consultation respondents who answered the question: "What is the importance of forests to people?"	
OVERARCHING VALUES	TOTAL
Tangible values/direct benefits/products/services/utilitarian purposes/marketable goods & services/commodity values/material reasons for people/amenities	24
Intangible values/indirect benefits/nonutilitarian purposes/nonmarketable goods & services/noncommodity values	13
Sustainable suite of goods, services, and values	2
<i>Total overarching values</i>	39
CRITERION 1 - CONSERVATION OF BIOLOGICAL DIVERSITY	
Evolutionary context/we evolved from forests	2
CONSERVE BIODIVERSITY	34
Biodiversity conservation/Biological value/resource/value unique natural diversity (30)	
Species diversity (2)	
Gene pools/genetic diversity (2)	
SUPPORT/PROTECT DIVERSE PLANT POPULATIONS	17
Conservation benefits/preservation/vegetation reserves/protected refuge for natural resources (6)	
Unique vegetation communities/plant communities (2)	
Plant habitat/healthy plants/support plant populations (9)	
SUPPORT/PROTECT DIVERSE WILDLIFE POPULATIONS AND THEIR DIVERSE HABITATS, INCLUDING MICROBES, FISH, WILDLIFE	109
Habitat for diverse wildlife: birds, reptiles, mammals, invertebrates, vertebrates, insects, organisms/critical/essential/diverse habitat/wl home/wl benefits (67)	
Values associated with old-growth forest (very old, large diam., snags, all ages, epiphytes) (2)	
Aquatic species/fish habitat (7)	
Microscopic organism habitat (1)	
Refugia for species in decline (1)	
Wildlife/wildlife protection/preservation/support wildlife populations/communities (28)	
Wildlife browse plants (1)	
Fish (2)	
Source of historic data on species interactions	1
<i>Total Biological Diversity values</i>	163
CRITERION 2 - PRODUCTIVE CAPACITY OF FOREST ECOSYSTEMS	
SUSTAINABLE SUPPLY OF WOOD/WOOD PRODUCTS	112

Forest products/essential raw materials/commodities/tremendous variety commercial products/myriad (64)	
Trees to harvest/sustainable harvest (3)	
Wood products/solid and composite (20)	
Wood/steady wood supply (16)	
Fuelwood/firewood/cooking (9)	
Non-tree vegetation	1
Total Forest Ecosystem Productive Capacity values	113
CRITERION 3 - ECOSYSTEM HEALTH & VITALITY	
Nonconsumptive values	1
PROTECT & SUSTAIN ENVIRONMENTAL HEALTH & ECOSYSTEM PROCESSES FOR THE BENEFIT OF THE PLANET AND ITS INHABITANTS	115
Ecosystem sustainability/resource protection (4)	
Environmental/ecological good services/value/as benefits to people/ecological effectiveness (27)	
Ecological value/ecosystem processes/functions/environmental srvc/benefits to world (small & large scale) (52)	
Protect/sustain broad ecological function/ecosystem stability (7)	
Planetary health/biosphere/global environment/lungs of planet/balanced lithosphere/ameliorate environment (15)	
Pollination (1)	
Shade streams (1)	
Nutrient cycling (1)	
Environmental health/sustainability/benefits/quality/physical environmental effects (7)	
Total Ecosystem Health and Vitality values	116
CRITERION 4 - SOIL & WATER RESOURCES	
PROTECT WATERSHED HEALTH AND CONTROL EROSION	50
Watershed health/values/functions/protection/enhancement/conservation (15)	
Reduce cost of watershed restoration (2)	
Landscape stability/protect soils/erosion control/ground cover (20)	
Enhance soil productivity/build soils/regenerate soil/nutritious litter (5)	
Restore degraded landscape (3)	
Water management/control hydrological regimes/reduce impact of precipitation (5)	
SOURCE OF CLEAN AND ABUNDANT WATER	116
Clean/abundant water/water quality and quantity (97)	
Snowpack/snow-water (2)	
Protect surface water/maintain beneficial use of water (6)	
Domestic/drinking water/filter water supplies/recharge aquifers (8)	
Reduce water treatment costs (2)	

River source (1)	
<i>Total Soil and Water Resources values</i>	166
CRITERION 5 - GLOBAL CARBON CYCLES	
STORE CARBON AND BUFFER CLIMATE EXTREMES	57
Carbon sequestration/storage (25)	
Climate change mitigation/ecosystem resilience/global warming (5)	
Climate amelioration/stability/atmospheric balance/buffer climatic extremes/patterns (12)	
Thermal regulation/summer urban cooling effect/temperature/conserved energy (5)	
Shade/outdoor comfort/protect people, livestock, crops from sun (3)	
<i>Total Global Carbon Cycles values</i>	57
CRITERION 6 - LONG-TERM SOCIO-ECONOMIC BENEFITS	
<i>Production & Consumption</i>	
ECONOMIC HEALTH	62
Economic value/benefits/ importance/resource for people/economic opportunities/prosperity (30)	
Economic/econ stability/global economy/economicsector/international development (23)	
National vitality/economic health and development/resource distribution (4)	
Survival of economy (2)	
International competitiveness (1)	
Domestic supply of wood products/independence from foreign (2)	
WOOD PRODUCTS PRODUCTION & CONSUMPTION	62
Source of hardwood materials for forest products industry (3)	
Timber/boards/bldg materials/lumber (22)	
Cabinets/flooring/doors/windows/trim (1)	
Furniture (3)	
Source of imported sustainably harvested wood (2)	
Fiber for wood products manufacturing/renewable fiber for daily life products (20)	
Pulp/ paper/packaging products (4)	
Paper (7)	
NON-WOOD PRODUCTS USE & CONSUMPTION	61
Non-wood forest products (14)	
Place to pick berries (2)	
Food/nutrition/local food supply (15)	
Food additives (1)	
Herbs (2)	
Medicine/medicinal plants/medicinals (8)	
Chemicals (1)	
Mineral values (1)	

Mushrooms (1)	
Boughs (1)	
Beautiful decorations/artistic raw materials (3)	
Hunting/game/use of wildlife (12)	
<i>Total Socio-economic Production and Consumption values</i>	185
<i>Investment in Forest Sector</i>	
Income to reinvest in stand management/to keep land forested/sustainable management	3
Support forest products/wood industry	3
Support sportsman industry	1
Support recreational vehicle industry	1
Real estate/land development	2
<i>Total Socio-economic Investment in Forest Sector values</i>	10
<i>Employment and Community Needs</i>	
PERSONAL AND COMMUNITY ECONOMIC HEALTH	70
Business opportunities (1)	
Jobs/local employment/work (22)	
Income/money/reasonable salary/high pay/payroll/revenue (11)	
Personal livelihood (6)	
Increased property values (2)	
Rural/suburban/local economic health/security/economic diversity/sustainable development (12)	
Tribal economy (1)	
Regional economic security/development (2)	
State economic development/tax base (3)	
International community-based trade (1)	
Rural or forest-based community stability/livelihood/way of life/well-being/sustainability (9)	
Community health/resilience	4
Local community livability	4
Sustenance	3
Subsistence value/indigenous home/living space	5
<i>Total Socio-economic Employment and Community Needs values</i>	86
<i>Recreation & Tourism</i>	
RECREATION	131
Recreation/rec resources/variety recreation/play/exercise (109)	
Fishing (5)	
Camping (3)	
Birding/wildlife viewing (3)	

Hiking (6)	
Biking (2)	
Boating (1)	
Snow sports/ski (2)	
Ecotourism/Tourism/recreation economic value/significant boost for local economy	5
Developed roads/trails	1
Total Socio-economic Recreation and Tourism values	137
Cultural, Social and Spiritual Needs and Values	
CULTURAL VALUES, HERITAGE, TRADITIONS, & IDENTITY	72
Cultural values/resource/importance/preservation/regeneration (17)	
Cultural value/services/traditional activities (7)	
Cultural heritage/identification/primitive roots/archetypal values resonating deeply in human psyche/subconscious/psychic importance/primal link/primeval essence (10)	
National forests are our mutual commonwealth/foundation of growth (2)	
Natural heritage of plant and animal species/our land/natural land cover/landscape values (10)	
Maintain rural traditions/connection with simpler times in America (2)	
Traditional medicines (1)	
Traditional foods (1)	
Organizational identity (1)	
Community identity (1)	
Tribal identity (2)	
Family identity/share with family (2)	
Individual identity/sense of being (2)	
Sense of place/connection to place/welcome part of landscape fabric we enjoy/home (8)	
Sense of time/past present future link/timeless constancy (4)	
Historic value (2)	
LONG-TERM HEALTHY SOCIETY CONNECTED TO THE LAND AND SUSTAINED BY THE FOREST	51
Social values/services/benefits/sustain society/societal health/well-being (22)	
Long term societal benefits/use and enjoyment by future generations (3)	
Maintain broad social connections to land/forest/generational awareness of nature/intergenerational stewardship/in touch with source of raw materials (8)	
Measure of success of society (1)	
Common-pool resources/community forests are local asset (3)	
Support relationships between people, institutions, environment/communities and forests mutual relat./wildland urban interface (4)	
Emotional commitment to forests/strong human bond with forest (4)	
Connection/reconnect with nature, seasons, natural energy of earth/relate to nature in your own way (6)	
SOURCE OF SPIRITUAL RENEWAL, RELAXATION, WELL-BEING, JOY AND	77

INSPIRATION	
Spiritual renewal, regeneration, rejuvenation/respice for the soul/solace/nourish & enrich our souls/inspiration/food for the soul/spiritual refuge/spiritual experience/respice from daily life (29)	
Refuge from city/destress/relax/my special place/escape from urban society/rest (7)	
Solitude/get away from it all/from demands of life (11)	
Privacy (2)	
Peaceful/quiet (3)	
Introspection/contemplation/meditation/quiet reflection (4)	
Creative inspiration/new ideas/mental stimulation (2)	
Mental health/psychological well-being/mental relaxation/emotional health, regeneration/mental renewal/welfare (11)	
Source of joy/happy heart/enjoyment (7)	
Challenge us in different ways (1)	
SACRED PLACE FOR WORSHIP/SPIRITUAL VALUE	29
Sense of that which is greater than us/omnipresence of nature/represent natural world/wonder (4)	
Spiritual value/importance/resources/sacred places especially Native Americans (20)	
Worship/religious value/creationism (5)	
Personal fulfillment/pride	2
AESTHETIC VALUE AND ENJOYMENT	67
Aesthetics/beauty/scenic/aesthetic delight/splendor/clean/scenic views/visual appeal/landscape texture and dimension/attractive vistas/nature appreciation (63)	
Pleasant sensory experiences (sight, sound, smell) (1)	
Opportunity to see wildlife/watch nature (2)	
Human enjoyment of fish (1)	
Human health/physical well-being/renewal	8
Agroforestry values (increased productivity/viability/reduced production costs)	2
Agroforestry values (protect crops and livestock health)	2
Range management/forage	4
Shelter/houses/roof over our head	12
Structure/place to work	1
Trees/warm trees	4
<i>Total Cultural, Social, and Spiritual Needs values</i>	331
<i>New Indicator 44 - other values</i>	
Urban tree benefits	1
Urban forests provide critical green infrastructure	1
Open space	7
Noise buffer	1
Wind protection	3

Clean air	63
Filter man-made pollutants/environmental hygiene	3
Oxygen	7
SUSTAIN QUALITY OF LIFE, LIFE ITSELF	54
Life/life support/sustainable life/necessities of life for people (21)	
Quality of life/critically important lifestyles/add value to life/enjoyable standard of living (25)	
Future/continued existence of civilization as we know it/inseparable link humans & forest (8)	
Intrinsic value/existence value/presence	7
Wilderness/roadless areas/undeveloped areas/wild places	7
Personal energy self-sufficiency	1
Renewable energy source/biomass/energy	9
Renewable/natural resources/sustainable outputs/sustainable products & resources	18
Renewable source building materials	6
Energy-efficient production of goods and services	1
Environmentally friendly products	2
Recyclable products	1
Renewable wealth	1
Second homesite	1
<i>Total Other Importance of Forests to People values</i>	<i>194</i>
<i>Total Long-term Socio-economic Benefits values</i>	<i>943</i>
CRITERION 7 - LEGAL, INSTIT., ECON. FRAMEWORK	
Economic justice for forest dwellers	1
Education/learn about nature/urban arborist knowledge/living classroom	6
Scientific value/study nature	2
Fertile lab to see impacts of human actions	1
<i>Total Legal, Institutional, and Economic Framework values</i>	<i>10</i>
<i>TOTAL: IMPORTANCE OF FORESTS TO PEOPLE VALUES</i>	<i>1607</i>