	SOCIAL AND ECONOMIC INDICATORS
Indicator	**Target**
Management, investment and contract	
Dollars invested in enhanced forestry	to maintain investment in enhanced forestry activities at 1,000,000$ per year (year 2000 level)
Dollars spent on watershed restoration	to maintain investment in watershed restoration activities at 1,000,000 per year
Percentage of annual dollars spent on (a) local suppliers, (b) contractors, (c) dependent consultants, (d) independent consultants	to maintain or increase the percentage of expenditures on local suppliers, contractors, and consultants
Dollars spent locally on forestry public awareness and education	$80,000
Dollars and in-kind contributions provided to public projects	report annual contributions
Governments continue to receive a portion of the benefits	
Annual stumpage, industry taxes and employment income taxes	Flat or upward trend in net revenue using 5 year rolling average.
Continual improvement in forest management through investment in resouce inventories and applied research	40% or more of discretionary funds available through initiatives such as FRDA and FIA to be spent on priority resource inventories and applied research.
Percent of area in primitive and semi-primitive non-motorized classifications of the Recreation Opportunity Spectrum for Besa-Halfway-Chowade, Graham North, Graham South, and Crying Girl Resource Management Zones	maintain primitive level percentage of area for the BHC at 1996 levels, and retain a minimum of 50% of area by RMZ as semi-primitive for the rest
Consistency with mutually agreed upon action plans for guides, trappers and other known non-timber commercial interests	100%
Joint FOS	100%
The percentage of the actual periodic cut control relative to target periodic cut control	will not exceed 110% of the 5 year periodic cut control volume
Value of tendered contracts in proportion to the total value of all awarded contracts on an annual basis	minimum of 50%
Distribution of, and changes in, the landbase available for timber production	
Management and development expenditures	
Net profitability	
Trends in research and development expenditures in forest products and processing technologies	
Total payments to the Crown relating to forest management	
Mill downtime due to insuffiecient log supply	0 mill downtime due to insufficient log supply
Cubic meters of logs purchased at market value from local market	Purchases of 100 000 m3 of logs for milling on an annual basis purchased at market value from the local markets
Local harvesting contracts	Maintain at least two local harvesting contracts, reported annually
Local silviculture and timber contracts	on average at least 70% of Tolko Quest wood budget for silviculture and timber contract work will be made available for local contracts on a rolling five year average, reported annually
Taxation	100% payment of municipal taxes, reported annually

Stumpage	100% payment of stumpage, reported annually'
Delivered Wood Cost	
Economic Rent	
Number of value-added buisness initiatives and partnerships	maintain and encourage value-added business intiatives and partnerships
Annual harvest level as a percent of annual allocation	full compliance
Volume of optional grades utilized	utilize optional grades of timber when markets conditions exist
Number of timber processing facility operating days	report number
Percent difference between average wage of DFA-related workers and those established by collective agreements elsewhere in the Southern Interior Region	
Annual amount paid in stumpage and rent	
Average number of consecutive worker days that are accident free	
Revenue - annual stumpage, industry taxes and employment income taxes	licensees will contribute their fair share of stumpage, industry taxes and employment taxes. BC Timber Sales will optimize revenue from its sales subject to other government requirements
Ratio of capital expenditures by depreciation by licensee	
Financial or in-kind support for direct or cooperative research, inventory or traditional use/knowledge studies	
Re-investment in weldwood operation - average annual capital investment in new technology, maintenance, and infrastructure at weldwood -100 mile house operations	maintain average annual investment level of $2.5 MM, based pm a 10 year rolling average
The amount of annual profit or total capitalization (all assests combined)	10% of gross revenue in retained earnings, total capitalization of $1,000,000
Area lost to industrial development - percentage of forested crown land area lost to industrial development such as roads, landings, and pits	areas lost to industrial structures should be kept below assumptions used in Timber Supply Review (TSR). Presently set at 5% of the productive forest land base
Delivered wood costs to the designated primary break down facilities are competitive with other interior BC sawmills	
Management Systems are in place and functioning in a manner that ensures compliance with applicable laws, corporate policy and contractual agreements	
Report annual initiatives/partnerships	maintain active involvement with value-added and business initiatives/partnerships
Number of SFM knowledge and information gaps identified and addressed annually	
Resource inventory and applied research - continual improvement in forest management through investment in resource inventories and applied research	over 5 yrs an average of 40% or more of the discretionary funds available through initiatives such as Forest Resource Development Agreement, Forest renewal BC and the Forest Investment Account will be spent on priority resource inventories and applied research.
Number of public advertisements per year over and above legal requirements	3 advertisements
Levels of forest damaging events or agents are managed such that their economic impact is minimized	

Ratio of annual mill consumption to AAC apportionment by licensee	
Percent of sites that have passed an implementation audit of published BMPs	
Percent of BMPs that are being applied as described or prescribed (may already be covered by EMS functions)	100% of audited practices are being implemented according to published BMPs
Percent of corrective actions completed to mitigate sediment occurences by licensee	100% of corrected plans completed
Mean annual increment	maintain long term productivity
Level of compliance with Applicabled Legislation and Regulation	compliance with all applicable legislation and regulation (zero administrative penalties)
Compliance and Enforcement	
Timber Harvest	
Cumulative merchantable hectares within blocks harvested within the Graham IRM area	consistent with the estimated total harvest area, as measured at the end of each time period
Resource Stocks	
Log Quality Yields	
Landbase Productivity	
Merchantable Volume	
Ha of land based utilized for external industrial use	evaluate and respond to all formal requests
Volume of wood from DFA sold locally	20, 000 m3 (sold annually)
Timber harvesting continues to contribute to economic well-being	
Amount and quality of non-timber forest values and benefits does not decline	
Long term harvest levels including any transition from current Allowable Annual Cut to the long term harvest level	Maintain or increase harvest flow. Increases are to be immediately available and decreases are limited to less than 10% per decade decline
Fibre flow is planned and managed to provide continued economic benefit	
Volume of timber processed in the DFA in proportion to volume harvested in the DFA	equivalent of 70% harvest processed in DFA
Volume of timber delivered annually to mills between May 1st and November 30th	2003: minimum of 100 000 m3 coniferous to FSJ sawmill, 2004: minimum of 150 000 m3 coniferous to FSJ sawmill and 185 000 m3 delivered to deciduous manufacturing facilities
Percent of coniferous area harvested using conventional ground based harvesting equipment	95%
Volume of timber/firbre/waste etc. transferred to other users (value-added, pulp, firewood, log homes, etc.)	20 000 m3/yr of timbre/fibre/waster etc. based on a 10 yr rolling average available for transfer to other users. Reported annually.
Harvest level	harvest the allowable cut over the 5 year cut control period
Total output of forest products from sawmills within the TSA	report the board feet and chip volume produced by sawmills within the TSA
Annual cubic metres of cedar salvage	7, 500 m3
Actual harvest relative to Chief Forester determined Allowable Annual Cut (AAC)	Harvest AAC over a 5 year period, 10% variance in a 5 year period.
Report annually on the volume of timber harvested on the DFA	harvesting levels to ensure long-term stability of future benefits

Volume timber harvested and percent difference in volume harvested from previous year	compliance with cut control regulation
Percent harvest volume by harvest method by licensee	
Total frowing stock of merchantable and non-merchantable tree species on forest land available for timber production	
Range	
Consistency with mutually agreed upon action plans for range	100%
Number of range improvements damaged by participants' activities	no damage
Percent of affected ranchers with whom meetings are held	forest operations within range units will meet annually with rancher to ensure no adverse affects on existing animal unit months
Water quality in monitored watersheds does not fall outside the range of natural variability with respect to Drinking Water Guidelines	suitable for human consumption
Recreation	
Number of recreation areas maintained	12 sites
Km of recreation trail maintained	7km
Availability and use of recreational opportunities	
Total expenditures by individuals on activities related to non-timber use	
Memberships and expenditures in forest recreation-oriented organizations and clubs	
Resources and opportunities for recreation (including quality of experience) are maintained or enhanced	
Percent area less than VEG by recreation class by licensee	
Percent change in recreation opportunity class by recreation type by licensee	
Road density by road phase by recreation class by licensee	
Recreation features - amount and location of recreation features such as trails, campsites, points of interest..etc	maintain recreation features established by weldwood and to support and facilitate maintenance of all recreation sites on the DFA abandoned by government
% of recreation sites operations that are coordinated	100% of forestry operations do not conflict with peak recreation times
Recreation facilities	minimize impacts on recreation features through management
Identified known recreational features	integrate recreational features and experiences into our management practices
Maintenance and/or enhancement of existing or natural recreation sites for TFL 5	Identify and plan for maintenance/enhancement of existing and or natural recreation sites within TFL 5 in cooperation with the MOF. Undertake a minimum of one project every 2 years.
Jobs and Community (local involvement)	
Number of buisness licenses operating in DFA	report the number of business licenses

Employment and income sources and their contribution to the local economy continue to be diversified	
Employment in the forest industry	Maintain or increase number of jobs
Income leakage	
Incidence of low income	
Unemployment	
Sources of income	
New employment opportunities	
Entrepreneurship	
Total employment	
Percent of new hires that are local	90%
Number of full time employees	663
Opportunities for employment	support increasing employment opportunities
Total person days of employment/m3 harvested	
Volume of timber made available annually for local community salvage	
Number of contracts let to locally-based contractors (residing in Lillooet and Boston Bar) by contract type (Direct Award or Tendered)	
Number of forest management-related contracts issued to local contractors (local to be defined)	
Percent of annual harvest volume logged by local contractors	
Benefits directed into local communities by licensee	
Percent of operating budget spent locally by phase, where phases are defined as harvesting, transport, roads, silviculture and manufacturing. Local contractors are defined as those residing in the West Kootenays	
Emphasize the procurement of goods and services from local suppliers and communities	
Percentage of dollars spent locally on each woodlands phase in proportion to total expenditures	logging/hauling: 80%, road construction and maintenance: 80%, silviculture: 8%, planning and administration: 50%
Purchase of non-quota wood	provide opportunity for small buisness in silviculture, logging, and other resource based buisnesses
Percent of total goods and services brought by licensee which are provided by local contractors and suppliers	
Licensees return on investment - expresed as profit margin/m3 or percent annual profit	
Dollars spent locally - percent of operating budget spent locally by phase, where phases are defined as harvesting transport, roads, silviculture and manufacturing. Local contractors are defined as those residing in the West Kootenays	
% of annual profits dispersed to the community	100% of profits distributed tot he community each year
Local and or value-added processing of forest products is encouraged and facilitated	

Directly affected persons have the opportunity to review information used in making management decisions in a manner that allows them to understand potential impacts on their rights or interests, including reasonable technical or expert interpretation as required	
Community Contributions	report annually on what percentage of Tolko's annual budget for community contribution was distributed
Collective understanding by forest managers and public (area residents, stakeholders and local interested parties) is increased through a collaborative planning process and an adaptive management program where information is exchanged (with stakeholders and local interested parties) to facilitate capacity building in the community	
Diversity of forest use at the community level	
Society is incorporating community values into forest management	community members are invited to at least 2 public meetings prior to the drafting of Forest Development Plans
Amount of donations and in-kind support made to community projects by licensee	
Percentage of total goods and services provided by local vendors by licensee	
Number of VINWAG - Vancouver Island North Woodlands Advisory Group - meetings held per year	5 meetings/year
Percent of key sectors represented at VINWAG meetings	100%
Number of communities with a significant forestry component in the economic base	
Referral of Forest Development Plan or equivalent plan under Results-based code pilot regulation to potentially affected aboriginal communities	Ensure all (100%) of aboriginal communities potentially affected by forest operations in the DFA receive plan referrals of Forest Development Plan or equivalent plans
Social support	
Sense of place	
Health care Infrastructure	
Perceived access to health care	
Self-reported health and stress	
Substance abuse	
Student enrolment	
Household Income	
Access to provincial government services	
Access to municipal infrastructure funds	
Access to basic community services	
Public Transportation	
Community organizations and services	
Trust	
In/Out migration and likelihood of future out-migration	
Racism	
Number of events and existence of educational materials that promote recreation and education	1 new educational document promoting forest recreation each year

Where financially and practically feasible, the forest are managed so as to produce a range of timber products broad enough so as to contribute to the diversification of the local economy	
Employment - employment in the forest industry	maintain the number of jobs supported by timber harvesting. If a significant decrease in jobs is necessary then consult communities to mitigate impacts.
Worker and community safety is maintained within acceptable levels	
Community Adaptability/Resilience	
Local management is effective in controlling maintenance of, and access to resources	
% of trails and roads that are assessed and designated as either motorized or non-motorized consistent with the community consultation process	100% of roads located
Volunteerism	
Public involvement	
Citizens (locally, regionally, and provincially) continue to receive a portion of the benefits	
Fair returns on investment are generated to create positive economic benefit to region, its people, employees, and shareholders	
Dispute resolution mechanism in place	100% of disputes go through dispute resolution mechanism
Number of written comments from stakeholders and public related to the FDP proposals and the number of responses	open communications, all written requests to be considered and responded to
Maintain an SFM Advisory Group	minimum of 2 meetings per year
Public review of FDP or equivalent plan	actively solicit local input from interested and affected parties and integrate into decision making process to meet overall objectives
Public Advisory Group established and maintained according to approved terms of reference	
Public Input - public review and comment	"open-door" policy; harvesting plans advertised for a minimum of 60 days
Public Advisory Group access to information	meet 100% of PAG's requests for information, reported annually
Public awareness of the SFMP	maintain website, circulate info to the public annually, respond to all written requests for communication within 30 days
Consultation process	100% compliance with the consultation process, reported annually

Number of participation opportunities in SFM in the DFA by opportuntiy type for public	
Participant satisfaction survey	80% of responses "3" or better, all written comments and all line responses averaging less than 3 become action items
Number of referrals with interested parties regarding non-timber features and interests	
Other social and economic indicators	
Access to non-timber forest values and benefits does not decline	
Earnings Before Interest, Taxes, Depreciation, and Amortization - EBITDA (company)	$120, 000,000 (5 year average)
A strong, diversified forest sector exists	
Improve and diversify the capacity for non-timber values and benefits	
Non timber commercial benefits of forest management such as range, tourism, and trapping	Forest licensees will respect other license holders in their tenure areas. Measures specify to TFLs should be stated in management plans. Licensees will co-operate with MoF and range tenure holders.
Diverse economic base	
Animal population trends for selected species of economic importance	
Availability of habitat for selected wildlife species of economic importance	
Utilization of forests for nonmarket goods and services, including forest land use for subsistence purposes	
Scehduling of road building and logging is done to avoid peak tourism times	100% of road building and logging
List of non timber forest products and provision of opportunities for non timber forest products	presence
Area of forest land available for subsistence purposes	
Percentage of area covered by multi-attribute resource inventories	
Culture Heritage Values - percent of known traditional site-specific aboriginal and non-aboriginal values and uses addressed. "known" means identified through plan referrals, Archaeological Impact Assements, or other approved processes.	100% ok known values and uses are addressed
Changes in stream flows do not limit existing licensed withdrawals for domestic use	
Historical sites	identify known and additional local historical sites, and develop management strategies for the additional local sites, by December 31, 2005, reported annually
Percent area in suitable forage opportunity class by LU by licensee	

Non-Timber Commercial Benefits - non timber commercial benefits of forest management such as range, tourism, and trapping	Range: Operators will conduct operations in a manner that does not conflict with cattle grazing or range improvements installed by range tenure holders. Licensees will co-operate with Ministry of Forests and range tenure holders as they try to maintain 3 150 Animal Unit Months on TFL 8, 876 Animal Unit Months on TFL 23, and 29 000 AUM on the Boundary Timber Suppy Area Commercial recreation: operators will respect legitimate commercial recreation activities while harvesting Commercial trapping and guiding: Operators will respect licensed trapping and guiding areas while harvesting.
Access to botanical forest products - access to pine mushrooms and other botanical forest product harvesting areas	maintain road access to production, as they become known, while meeting other access constraints as intended in the CCLUP
Management of archaeological resources, sensitive heritage sites and features	Manage and conserve archaeological resource potential as per District Manager policy direction as well as sensitive heritage sites and features during forest operations. Reported annually.
Management of cultural features, as they are located (ie. Control on accidental harvest of known CMTs)	0 known CMTs accidentally harvested
First Nation	
Aboriginal Liaison	meet or attempts to meet with Band Councils/Board of Directors, representatives, contractors, and/or individuals as issues and opportunities arise. Reported annually.
Number of written comments from First Nations related to the FDP proposals and the number of responses	open communications, all written requests to be considered and responded to
Report annually on the number of First Nation partnerships	maintain or increase number
Number of First Nations consultation meetings attended related to Forest Development Plan	participate in FDP consultation meetings with First Nations related to government consultation process
Percent of First Nation commitments addressed	100%
Number of aboriginal participation opportunities by licensee	100% opportunity for local First Nation's participation
First nations Consultation - pro-active consultation process for significant activities such as proposed timber harvesting	annual consolidated forest development plans to be referred to all bands with interest areas overlapping the plan, which includes the DFA
Native employment - direct employment of native employees and or contractors	target to spend $200 000/year on native contract silviculture services, and award 20 000 m3/yr to native logging contractors. Analysis period to coincide with operating year, between break-up intervals. Varianc es account for variability of workers and or seasonal work opportunities
Opportunities to share a portion of the benefits exist for First Nations	
The relationship between forest management and First Nations is acknowledged as important	
First Nations are provided with detailed, reciprocal knowledge pertaining to forest use as well as forest management plans prior to governmental approval and implementation	

The relationship between forest management and First Nations culture, health and spirituality is acknowledged as important	
Sites and activities of special significance to FN are identified and recognized through an effective collaborative process	
Participation with First Nations to implement and improve upon the revised Archaeological Overview Assessment model and process	participate to implement and improve
Forest management recognizes and respects Aboriginal and treaty rights	Incorporate aboriginal rights into planning, with an annual summary of incorporation.
Number of blocks (identified through the Aboriginal Input process) where Archeological Assessments were requested, undertaken and commitments completed on time	
Training, education and research	
Average number of workshops or conferences related to research or training attended annually by each employee	none
Research reference library - centrally located library of current research-related publications	maintain an accessible library of current reports and research material as it is received
Number of forest based ecosystems research and inventory projects	10 projects
Number of participants involved	conduct public presentations to increase public knowledge and understanding about sustainable forest management
Number of classroom or field visits by licensees to elementary, secondary, and post-secondary school levels	40 actions per year
Management Training - weldwood staff and public committee participation in courses to increase current knowledge and understanding	maintain the knowledge level of forestry staff, through attendance at relevant training as required and available. Provide continuing education through 3rd party experts for LCC members and forestry staff
Effective Terms of Reference (TOR)	review the TOR annually and identify actions for improvement, reported annually
Total effective expenditures on public forestry education	
Number of public educational opportunities by educational type (Newspaper article, advertisements, open house, newsletter, public meeting,etc)	
Scientific/Technical Advisory	establisha nd maintain committee until December 2003
Investment in forest research and development, and education or # of continual improvement related projects in the DFA	>1 per year
Staff and contractors trained in water quality laws and BMPs and: written policy to train employees, operators and contractors, as well as training sessions held to do the training	
Percent of field staff and contractors that have been trained in the implementation of BMPs	100% of staff have been trained in BMPs

Percent of the licensees' forest operations employees and primary contractors trained in Spill Preparedness and Response procedures	100% each year