			CCFM Criterion 1 -	Biological Dive	ersity				
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Elemen Diversity	t - 1.1 Ecosystem	Conserve ecosystem diversity at the landscape level by				at occur naturally i	n the FMA.		
	cape scale biodiversity.								
1.1.1.1 Maintain biodiversity by retaining the full range of covertypes and seral stages (1).		At 10 years, gross and active landbase area greater than values indicated for old and mature plus old forest and less than values indicated for regenerating forest. Old forest retention shall include the full natural range of ages. D MX PL SB SW	Targets and seral stage definitions shall be based on sound science, ecological considerations, wildlife zones and disturbance regimes. Target shall ensure representation of natural range of ecosystem attributes (e.g. productivity class).	Planning Standard	Spatial Harvest Sequence	Regular updates to inventory.	FMP: Tables of indicators (values and targets) at 0, 10, 50, 100 and 200 years. Maps of indicators at 0, 10 and 50 years. Performance: Stewardship Report.	Area of old and mature forest in FMU by cover class shall be between 90% and 100% of target. Area of regenerating forest in FMA by broad cover class shall not exceed 110% of target area.	Adjust strategies in subsequent FMP.
1.1.1.2 Maintain biodiversity by avoiding landscape fragmentation.	A) Range of patch (2) sizes by FMU and for the FMA.	A distribution of harvest area sizes that, at year 10, are consistent with attaining a patch size pattern over the 200 year planning horizon that approximates patterns created by natural disturbances. P6	Targets shall be based on sound science, ecological considerations, wildlife zones and disturbance regimes. Target shall ensure representation of natural range of ecosystem attributes (e.g. cover class and productivity class).	Planning Standard	Spatial and temporal harvest planning. Patch size distribution targets are set for forest patches less than 20 years old.	Regular updates to forest inventory.	FMP: Tables of area of fores in each patch size class by FMU at 0, 10 and 50 years. Maps of patch size classes at 0, 10 and 50 years. Performance: Stewardship report.	At the end of the 10- year FMP term the target distribution is achieved; or demonstrated progress to achieving target where the pattern has deviated significantly from the target.	Adjust strategies in subsequent FMP.
	B) Area of old interior forest (3) of each cover class by FMU and for the FMA.	At 10 years, area of old interior forest will not be less than values indicated. D MX PL SB SW	Targets shall be based on sound science, ecological considerations, wildlife zones and disturbance regimes. Target shall ensure representation of natural range of ecosystem attributes (e.g. productivity class).	Planning Standard	Spatial and temporal harvest planning	Regular updates to forest inventory.	FMP: Tables of area of forest in each patch size class by FMU at 0, 10 and 50 years. Maps of patch size classes at 0, 10 and 50 years. Performance: Stewardship report.	At the end of the 10 year FMP term,variance not exceeding 20% below target.	Adjust strategies in subsequent FMP.
1.1.1.3 Maintain biodiversity by minimizing access	A) Open all-weather forestry road density by FMU.	A) MDFP does not currently have any all-weather forestry roads. Density will be less than 0.017 km/km² within each FMU.	Targets shall be based on sound science, ecological considertions, harvest planning, wildlife zones and social values.	Planning Standard	Develop a strategy that coordinates access with other resource users, spatial/temproal sequencing of harvest, road closures and decommissioning. (SHS and long-term corridor access plan)	Land use systems and regular updates to inventory and land use systems	FMP: Table of road density by FMU at 0 and 10 years. Map of existing and proposed open and closed all-weather roads. Report forestry roads and total (all users) roads. Performance: Stewardship Report	A variance not exceeding ±20% must be achieved	Adjust strategies in subsequent FMP

	B) Open seasonal/temporary forestry road length for FMA.	B) Less than 350 km within the FMA.	Targets shall be based on sound science, ecological considertions, harvest planning, wildlife zones and social values.	Planning Standard	Road construction, maintenance and reclamation activities	Road Plan OGR 11.2	AOP and Stewardship Report	A variance not exceeding ±20% must be achieved	Adjust strategies in subsequent AOPs
communities each uncommon plant	Area of occurrence of each uncommon plant community within FMA	Percentage of identified communities will be maintained as indicated. Percentage will be reviewed with ANHIC as communities are identified.	GIS analysis, AVI, ecosite phases, Alberta Natural Heritage Information Centre (ANHIC) plant community classification and tracking list. Predict and identify occurrence of uncommon plant community	Planning Standard	Coordinating with other resource users, spatial planning of harvest and road construction, OGR		FMP: Table with descriptive list and targets. Map(s) displaying known locations o uncommon plant communities. Performance: Stewardship Report	At the end of the 10- year FMP term the	Adjust strategies in subsequent AOPs
		CEAB000043 - Populus balsamifera / Viburnum opulus / Matteuccia struthiopteris - 100% CEAB000044 - Populus tremuloides / Rubus parviflorus /							
1.1.1.5. Maintain unique habitats provided by wildfire and blowdown events.	A) Area of unsalvaged burned forest	Aralia nudicaulis - 100% Live trees: Retain all unburned trees in green islands and retained patches, recognizing timber condition, access, nontimber needs. Burned trees - Compartment scale: Retain greater than 10% of merchantable black trees in patches greater than 100 ha. Burned trees - Harvest area scale: Retain greater than 10% of merchantable black trees in patches 10-100 ha. Retain greater than 5% of merchantable black trees in small patches, single trees according to loggers choice.	Targets based on "Fire Salvage Strategy: Forest Management Planning and Operations 2002". Ensure consistency with FireSmart objectives.	Fire Salvage Strategy: Forest Management Planning and Operations 2002 (Forest Operations Branch, Alberta)	Salvage planning	Organization reports, air photo interpretation, ground surveys, post harvest assessments	FMP: Table and map of natural disturbances within the last 10 years -salvaged and unsalvaged. Report area. Performance: Stewardship Report	At the end of the 10- year FMP term the target is achieved or exceeded.	Adjust strategies in subsequent AOPs
	B) Area of unsalvaged blowdown	In areas of significant blowdown greater than 10% will be left unsalvaged.	Targets are to be based on sound science, ecological considerations and disturbance regimes.	Planning Standard	Salvage planning	Inventory updates	Performance: Stewardship Report	At the end of the 10- year FMP term the target is achieved or exceeded.	Adjust strategies in subsequent AOPs
1.1.1.6. Retain ecological values and functions associated with riparian zones	Compliance with OGR.	Consistent with OGR	OGR	Federal Fisheries Act, Water Act	Planning, TSA, OGR	Organization reports, air photo interpretation, ground surveys, post harvest assessments or other existing compliance monitoring systems	Performance: Stewardship		Immediate remedial action and/or administrative penalty
Value - 1.1.2 Local/	stand scale biodiversity	<i>.</i>							
1.1.2.1. Retain stand level structure	A) Percentage of area with residual structure (both living and dead), within a harvest area, representative of the status (live/dead), sizes, and species of the overstory trees by FMU and FMA.	A) A combination of single stems, clumps, and islands comprising 6% of the harvested area within FMUs. (Note: A wide range in variability in harvest area-level retention within an FMU is desired as long as the target level is achieved.)	Wildlife zones, roadside vegetation screens, recreational values, aesthetics, local knowledge, ANHIC, Biodiversity/Species Observation Database (BSOD).	Occupational Health and Safety Act, Forest and Prairie Protection Act	Implement residual Structure Retention Strategy and OGRs	interpretation	Performance: Stewardship	At the end of the 10- year FMP term the target is achieved or exceeded.	Adjust strategies in subsequent FMP.

	B) Percentage of harvested area, by compartment, with downed woody debris (4) equivalent to preharvest conditions.	B) 50% of harvest areas have downed woody debris equivalent to preharvest conditions, retained on site. Average downded woody debris in post-harvest blocks will be equivalent to preharvest average downed woody debris.	Assess preharvest downed woody debris condition by compartment.	Planning Standard	Organization developed standards.	developed during	Performance: Report average downed woody debris for all harvest areas (5 years) in Stewardship report.		Adjust strategies in subsequent FMP.
1.1.2.2. Maintain integrity of sensitive sites	Sensitive sites (e.g. mineral licks, major game trails) by FMU and FMA.	Implement Unique Finds Policy, which is consistent with provincial guidelines/OGRs, to identify and maintain sensitive sites.	Local knowledge, ANHIC, Biodiversity/Species Observation Database (BSOD)	Planning Standard	Organization developed standards for sensitive site protection, OGRs 7.7.4		Performance: Stewardship Report	None	Adjust strategies in subsequent AOPs
1.1.2.3. Maintain aquatic biodiversity by minimizing impacts of water crossings	Forestry water crossings within each FMU are in compliance with Code of Practice for Water Course Crossings.	~	Code of Practice for Water Course Crossings: Sections 7-9 and Schedule 2	Code of Practice for Water Course Crossings	Road construction, maintenance and reclamation activities	Road plan OGR 11.2	Performance: AOPs summarize number of crossings by type within each FMU by compliance status.		Act immediately to eliminate problems and adjust strategies in subsequent AOPs
CSA SFM Element	- 1.2 Species	Conserve species diversity by ensuring that habitats for the nati	ve species found in the Fl	MA are maintained	throughout time.				
Diversity Value - 1.2.1 Viable	e nonulations of identif	ïed plant and animal species.							
1.2.1.1 Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern).	A) Area of suitable woodland caribou habitat.	A1) TSA and SHS incorporates caribou habitat strategy within the Caribou Zone. A2) TSA and SHS incorporates caribou habitat strategy within the Caribou Zone and Alternative Patch Management Area.	Based on sound science, ecological considerations, wildlife zones, Committee on the Status of Endangered Wildlife in Canada (COSEWIC) list, provincially listed species, BSOD, ANHIC, Recovery plans, Fish and Wildlife Division priorities, public consultation, habitat suitability analysis, literature review, observation data, local and traditional knowledge.	Recovery plans for species at risk, Federal Species at Risk Act	Spatial Harvest Sequence, harvesting plans, road construction, OGR, planning and implementation, adherence to provincial wildlife guidelines	Regular updates to forest inventory, habitat assessment mapping	FMP: For species with a suitable habitat target provide tables of area of suitable habitat at 0, 10, 50, 100, and 200 years. Map of suitable habitat at 0, 10, and 50 years. Performance: Stewardship Report	At the end of the 10- year FMP term the target is achieved or exceeded.	Adjust strategies in subsequent FMP
	B) Area of suitable grizzly bear habitat.		Based on sound science, ecological considerations, Recovery plans, Fish and Wildlife Division priorities, habitat suitability analysis, literature review, observation data.	FMP	Financial or in-kind support.		Performance: Support noted in Stewardship Report	Support conditional on FMF program progress.	None
	C) Existing habitat for trumpeter swan.	C) Maintain a 200 m buffer around all lakes with trumpeter swan nesting sites.	ANHIC	FMP, OGR	Spatial harvest sequence	Regular updates to inventory.	FMP: Swan nesting lakes buffered and excluded from AAC. Performance: AOPs	None	Act immediately to eliminate problems.

	D) Area of suitable black- throated green warbler and cape may warbler habitat.	D) Cooperate with Alberta to test available black-throated green and cape may warbler habitat models for applicability to northwestern Alberta.	Based on sound science, Fish and Wildlife Division priorities, habitat suitability analysis, literature review, observation data.	FMP	SRD communications		Performance: Progress noted in Stewardship Report	None	None
	E) Existing habitat for northern pikeminnow.	E) Maintain Notikewin Habitat Zone, which buffers only known pikeminnow habitat within the FMA.	ANHIC	FMP	Spatial harvest sequence	Regular updates to inventory.	FMP: Zone excluded from AAC. Performance: AOPs	None	Act immediately to eliminate problems.
1.2.1.2 Work cooperatively with Provincial wildlife specialists to help ensure the continued survival of wildlife	A) Inventory of wildlife species identified by the Province as a concern in the FMA Area.	A) A listing of species of concern occurring within the FMA Area is maintained.	COSEWIC and provincially listed species, ANHIC, Fish and Wildlife Division experts	Species at Risk Act, Wildlife Act	Review of COSEWIC and provincial listed species	provincially listed	FMP: Species list part of DFMP submission. Performance: Changes noted in Stewardship Report.	None	Update listing.
species considered at risk.	B) Best Management Practices for Boreal Caribou.	B) Follow the latest version of the Best Management Practices of the Alberta Caribou Committee. Actively participate in the revised Chinchaga Caribou Landscape Planning Team once this team is struck.	Best Practices' as identified by the Alberta Caribou Committee.	Best Practices' as identified by the Alberta Caribou Committee.	AOPs, Caribou Protection Plans, Operating Ground Rules, relevant guidelines/recovery plans, road construction planning/operations, consultation with experts	Caribou Protection Plans reviewed by ASRD, receive approval	Performance: Caribou Protection Plans outline operations.	None	Incorporate Best Management Practices
	C) Best Management Practices for grizzly bear.	C) Follow the latest version of the Best Management Practices for grizzly bear management, as defined by the Regional Grizzly Bear Recovery Implementation Team	Participation in Regional Grizzly Bear Recovery Implementation Team.	Best Practices' as identified by the regional team	Operating Ground Rules, relevant guidelines/recovery plans, road construction planning/operations, consultation with experts	BMPs, RGBRIT communitations, ASRD review of AOPs	Performance: BMPs reflected in operational plans.	None	Incorporate Best Management Practices
CSA SFM Element Diversity	t - 1.3 Genetic	Conserve genetic diversity by maintaining the variation of gene	es within species.						
	tic integrity of natural t	ree populations.							
1.3.1.1. Retain "wild forest populations" (5) for each tree species in each seed zone through establishment of in-situ reserves, with an approved controlled parentage program.	Number and area of in situ genetic conservation areas.	Section 20.0 of Standards for Tree Improvement in Alberta outlines requirements for in-situ genetic conservation areas for each seed zone. The regional programs relevant to MDFP's FMA Area was not completed until late May 2007. Once the regional needs have been evaluated, MDFP will identify a target for establishment of genetic conservation areas.	Target is a portion of the required number of genetic conservation areas determined in consultation with other FMAs in the same seed zone and Alberta	Standards regulated through Timber Management Regulation 144.2	Conservation areas are designated by a notation. (PNT, CNT)	SRD communications	FMP: Subsequent DFMPs will provide table showing number of genetic conservation areas required in each seed zone and number provided within FMA Area and a map showing locations. Performance: Stewardship Report	At the end of the 10- year DFMP term the target is achieved or exceeded.	None
1.3.1.2 Retain wild forest genetic resources through ex- situ conservation	Number of provenances and genetic lines in ex- situ gene banks and trials	Active ex-situ conservation program for all Controlled Parentage Program plan species and other species in cooperation with Alberta	Proportion of projects and species	Standards regulated through Timber Management Regulation 144.2	Standards for Tree Improvement in Alberta and government/ industry genetic cooperatives	Conservation activities identified in FMP as per Standards for Tree Improvement in Alberta	Performance: Five year reporting in cooperation with Alberta.	Confirmed program plan	Organization/Albe rta/ cooperatives

CSA SFM Element	t - 1.4 Protected Area	Respect protected areas identified through government process	es.						
Value - 1.4.1 Ensure	e protection of protecte	d areas and site of biological significance.							
identified within management and	A) Protection of the Notikewin River valley.	A) The Notikewin River valley, including the Hotchkiss, Meikle and Botha Rivers will be considered a special zone for forest management. Forestry operations will not be scheduled in the spatial harvest sequence.	Wildlife habitat considerations, consultation with Fish and Wildlife experts	FMP	Spatial harvest sequence	Regular updates to inventory.	Performance: No forestry operations scheduled for the Notikewin River Valley during the next 10 years.	None	None
operational planning processes and forest management strategies incorporate protective measures.	B) Communication with Twin Lakes Lodge when operating near Twin Lakes	B) The owners/operators of the Lodge will be contacted when operation are planned within 2 km of the Lodge or recreation area.	Social considerations.	FMP	AOPs, Public Consultation Plan	Documentation of consultation processes	FMP: SHS will identify when operations will scheduled for the area. Performance: The owners will be contacted prior to any operations.	None	None
Value - 1.4.2. Areas	with minimal human o	listurbances within managed landscapes.							
1.4.2.1. Integrate transboundary values and objectives into forest management.	Stakeholder consultation	Ongoing consultation with relevant protected areas agencies.	Link to consultation objective in planning standard or other existing consultation processes	Planning Standard	Management planning	Documentation of consultation processes	Performance: Stewardship Report	None	Adjust strategies in subsequent FMP
		C	CFM Criterion 2 - E	Cosystem Produ	ıctivity				
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Element	t - 2.1 Ecosystem Resi	ilience							
Value - 2.1.1 Refore	ested harvest areas.								
2.1.1.1 Meet reforestation targets on all harvested areas	(performance) surveys	Annually, 100% of areas meet reforestation (performance) target.	ARIS or equivalent reports	Timber Management Regulation	Silviculture program	Regeneration surveys	Performance: ARIS, GDP Stewardship Report	None	Alberta adjusts AACs
	B) Cumulative % of reforested areas that meet reforestation (performance) target.	Cumulatively, 100% of areas meet reforestation (performance) target.	ARIS or equivalent reports and Stewardship Report	Planning Standard	Silviculture program	Regeneration surveys	Performance: ARIS, GDP Stewardship Report	None	Alberta adjusts AACs
Value - 2.1.2 Mainte	enance of forest landba	se.							
2.1.2.1 Limit conversion of forest landbase to other uses	A) Company roads available for use by other commercial forest users and the public.	A) All Company roads will be made available for use by other commercial forest users and the public unless access restrictions are required by the Province.	Land use data	FMP	Maintain current forest cover inventory and land use updates	Inventory and land use systems	Performance: Stewardship Report	Report actual	Adjust net landbase projections in next TSA
	B) Amount of permanent clearings.	B) MDFP will limit its own non-road permanent clearings (i.e. gravel pits and MLLs) to less than 5 hectares annually, over a 5 year period (i.e., 25 ha per 5 years).	Forest Inventory	FMP	AOPs, GDPs, road construction, maintenance and abandonment	AOPs, Road Construction, Maintenance and Abandonment Plan, land use withdrawals	Performance: On a five year basis, total area used for non- road permanent clearings is less than 25 hectares. This will be reported in the Stewardship Report.	Report actuals.	
2.1.2.2 Recognize lands affected by insects, disease or natural calamities	Area affected.	Area affected by significant outbreaks, infestations, natural calamities.	SRD forest health surveys, inventory updates	Planning Standard, Alberta Forest Health Strategy and Shared Roles and Responsibilities between SRD and the Forest Industry	Maintain up-to-date information	Alberta surveys with industry cooperation	Performance: AOP and Stewardship Report	Report actuals	Event specific

Value - 2.1.3 Contr	ol invasive species								
2.1.3.1 Control non- native plant species (weeds)	Noxious weed program	Noxious weed program in place and implemented	Field inventories	Directive 2000-06	Co-operative programs	Field inventories	Performance: Inspections summarized in Stewardship Report	Report actuals	Improve weed program
		CC	CFM Criterion 3 - So	il and Water Ro	esources				
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Elemen	t - 3.1 Soil quantity ar	nd quality							
Value - 3.1.1 Soil p	roductivity.								
3.1.1.1 Minimize impact of roading and bared areas in forest operations.	Compliance with OGR	Less than 5% by block	Direction from Alberta	OGRs and Soils Guidelines	Effective planning and supervision of operations	Field inspection reports and audits	Inspection reporting	None	Immediate remedial action to correct
3.1.1.2 Minimize incidence of soil erosion and slumping.	Incidence of soil erosion and slumping	Complete compliance	Direction from Alberta	OGRs and Soils Guidelines	Effective planning and supervision of operations and adherence to relevant OGRs.	Field inspection reports and audits	Inspection reporting	None	Immediate remedial action to correct
CSA SFM Elemen	t - 3.2 Water quantity	and quality							•
Value - 3.2.1 Water	r quantity and quality.								
	Forecast impact of timber harvesting on water yield.	Zero Water Act penalties. Complete compliance with FMP	Water Strategy and local needs	Water Act, Planning Standard	Adherence to forecast harvest sequence and relevant OGRs.	Report on area harvested compared with planned harvest area.	Performance: Stewardship Report	Report actuals	Adjust harvest pattern if problen arise
Value - 3.2.2 Effec	tive riparian habitats.								
3.2.2.1 Minimize impact of operations in riparian areas	Riparian buffers maintained as outlined in OGRs.	Complete compliance	Direction from Alberta	OGRs	Effective planning and supervision of operations	AOPs	Perfomance: AOP	None	Immediate correction and/or administrative penalty
		CCFM Cı	riterion 4 - Global Ec	ological Cycles					
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Elemen	t - 4.1 Carbon uptake	and storage							
Value - 4.1.1 Impac	t of forestry operations	on carbon budgets.							
4.1.1.1 Identify potential impacts of forestry operations on forest carbon budgets.	Research related to carbon budgets in northwestern Alberta.	MDFP will provide letters of support for research related to carbon budgets submitted to the Manning Forestry Research Fund.	Research Fund communication, reports	FMP	Manning Forestry Research Fund	Research Fund communication, reports	Performance: Research Fund annual reports/updates.	Report actuals	None
CSA SFM Elemen	t - 4.2 Forest land con	version							
			See 2	.1.2.1					

		CC	FM Criterion 5 - Mu	ltiple Benefits t	o Society				
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Elemen	t - 5.1 Timber and not	n-timber benefits							
/alue - 5.1.1 Sustai	nable timber supplies.								
5.1.1.1 Establish appropriate AACs	Process and standards described in Annex 1 of the Planning Standard are followed.	Complete compliance with AAC level.	Consultation in planning process	Forests Act and Timber Management Regulation	Effective implementation of planning process	Multiple means: TPRS, ARIS, AOP's, Stewardship reports, filed inspection reports	Progressive and continuous	Issue specific	Adjust AAC us most current an relevant information
CSA SFM Elemen	t - 5.2 Communities a	nd sustainability							
Value - 5.2.1 Risk t	o communities and land	Iscape values from wildfire is low.							
5.2.1.1 To reduce wildfire threat potentia by reducing fire behaviour, fire occurrence, threats to	A) Percentage reduction in Fire Behavior Potential area within the FireSmart Community Zone.	A) Currently there are no FireSmart Community Zones identified within the FMA at this time.	Planning process, Provincial wildfire threat assessment	Planning Standard	Spatial harvest sequence thinning, partial harvest techniques, prescribed burns	AOPs, Compartment Assessments	Performance: Identification of new zones reported in Stewardship Report	None	None
values at risk and enhancing fire suppression capability	B) Percentage reduction in Fire Behavior Potential area (ha) across the FMA now and over the planning horizon.		Planning process, Provincial wildfire threat assessment	Planning Standard	Spatial harvest sequence thinning, partial harvest techniques, prescribed burns	AOPs, Compartment Assessments	FMP: Maps and Tables of indicator at 0, 10, 20, and 50 yrs by FMU. Performance: Stewardship Report	Issue specific	Adjust harvest sequence
Value - 5.2.2 Provi	de opportunities to deriv	ve benefits and participate in use and management			<u>'</u>				
5.2.2.1 Integrate other uses and timber management activities	A) Company roads available for use by other commercial forest users and the public.			A) See 2.1.2.1 A				
	B) Communication with Twin Lakes Lodge when	B) See 1.4.1.1 A							
	operating near Twin Lakes			В) See 1.4.1.1 A				
		C) Attempts made to notify 100% of trappers affected by harvesting operations prior to submission of AOP.	Consultation and co- operation	B Legislation and policy) See 1.4.1.1 A Effective implementation of PCP during AOP development	Documentation of communications	Performance: Efforts are reported in the Stewardship Report.	None	Event specific.
	Lakes C) Refer operational plans to all trappers affected by	harvesting operations prior to submission of AOP.		Legislation and	Effective implementation of PCP during AOP		reported in the Stewardship Report. Performance: Efforts are		Event specific. Event specific.
	Lakes C) Refer operational plans to all trappers affected by harvesting operations. D) Refer operational plans to all guides and outfitters affected by harvesting	harvesting operations prior to submission of AOP. D) Attempts made to notify 100% of guides and outfitters	operation Consultation and co-	Legislation and policy Legislation and	Effective implementation of PCP during AOP development Effective implementation of PCP during AOP	communications Documentation of	reported in the Stewardship Report. Performance: Efforts are reported in the Stewardship Report. Performance: AOPs		-
2.2.2 Work with ther stakeholders on their fire protection	Lakes C) Refer operational plans to all trappers affected by harvesting operations. D) Refer operational plans to all guides and outfitters affected by harvesting operations. E) Protection of aesthetic resources along Highway 35 and the Chinchaga	harvesting operations prior to submission of AOP. D) Attempts made to notify 100% of guides and outfitters affected by harvesting operations prior to submission of AOP. E) A Special Management Zone has been identified along Highway 35 and the Chinchaga Forestry Road, to recognize	operation Consultation and cooperation Target based on social/aesthetic	Legislation and policy Legislation and policy	Effective implementation of PCP during AOP development Effective implementation of PCP during AOP development Effective planning within the Special	Documentation of communications AOPs, as-built plans,	reported in the Stewardship Report. Performance: Efforts are reported in the Stewardship Report. Performance: AOPs incorporate aesthetic	None Subjective target.	Event specific. Adjust future

5.2.3.1 Maintain Long Run Sustained Yield Average.	Regenerated stand yield compared to natural stand yield.	No net decrease from the natural stand productivity.	FMP Timber Supply Analysis	Planning Standard	Effective implementation of plans	Stewardshin Report	Performance: Reforestation Stewardship Report	Report Actual	Adjust AAC using most current and relevant information
		CCFM Criterion 6 - A	Accepting Society's I	Responsibility fo	r Sustainable Develo	pment			
Objective	Indicator	Target	Means to Identify Target	Legal/Policy Requirements	Means of Achieving Objective and Target	Monitoring and Measurement	Reporting	Acceptable Variance	Response
CSA SFM Element	CSA SFM Element - 6.1 Aboriginal and treaty rights and Aboriginal forest values								
Value - 6.1.1 Compl	iance with government	regulations and policies.							
6.1.1.1 Implement Public Consultation Process (PCP).	A) Meet Alberta's current expectations for aboriginal consultation.	PCP has been approved by Alberta.	Alberta to provide direction.	Planning Standard	Effective implementation of PCP.	Documentation of communications	Reports as required in PCP.	None	Adjust activities
	B) Paddle Prairie Metis Settlement included in the Company's Public Consultation Process (PCP) and has been invited to participate as a member of the FMP planning team	Meetings are held with Paddle Prairie representatives as indicated in the PCP.	Target based on Paddle Prairie interest and economic/logistic considerations.	FMP	Public Consultation Plan	documentation of	Performance: Meetings reported in the annual PCP Report.	None	Event specific.
6.1.1.2 MDFP will provide Paddle Prairie Metis Settlement with forestry related economic opportunities	Economic opportunities at Paddle Prairie.	MDFP will work with Paddle Prairie to develop long term contracting agreements, including purchase of sawlogs and provision of harvesting opportunities.	Consultation	FMP	Public Consultation Plan	Reports, documentation of	Performance: Minutes from meetings with Paddle Prairie Band Council indicate economic opportunities are discussed. Records of any contract agreements.	None	Event specific.
CSA SFM Element	- 6.2 Public participa	ation and information for decision-making							
Value - 6.2.1 Meani	ngful public involveme	ent is achieved.							
	Meet expectations of Section 5 of CSA Z809- 02.	PCP has been approved by Alberta.	Consultation	Planning Standard	Effective implementation of PCP.	Reports, documentation of communications	Reports as required in PCP.	None unless otherwise approved by Alberta.	Adjust activities

⁽¹⁾ For all indicators and targets on a five year reporting period, the period will be consistent with the FMA Quadrant end.

- (4) Downed woody debris refers to wood lying at an angle of less than 45 degrees from the ground and having a diameter greater than 7.5 cm.
- (5) Wild refers to genetic materials of native species originating from natural regeneration.

⁽²⁾ Patch refers to a forest stand in the same seral stage and not split by a linear feature greater than 8 m wide. Linear features in this definition include roads, pipelines, powerlines, and rivers, but does not include seismic lines. Manning Diversified, through its harvesting activities, creates patches of young seral stages. By employing a range of harvest block sizes, the Company can help maintain patch diversity.

'Regeneration' refers to the youngest seral stage modeled (i.e., patches < 20 years old).

⁽³⁾ Old interior forest refers to a forested area greater than 100 ha located beyonædge effect buffer zone along the forest edge. Edge effect buffer zone: 60 m where adjacent area is non-forested or less than 40 years old; 30 m where adjacent forest stand is 40 years or older; 0 m where adjacent stand is mature forest. Forest edge: a linear disruption in forest cover greater than 8 m wide, or; the line along which forest seral stage class changes. A proxy of 120 hectares of old forest, regardless of adjacent vegetation, was used in place of 100 hectares.