Resource Stewardship Monitoring

2005 Workplan

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RESOURCE STEWARDSHIP MONITORING 2005 WORKPLAN

1. INTRODUCTION

FRPA Resource Evaluation Program Background

The *Forest and Range Practices Act* (FRPA) and regulations introduce the transition to a results-based forest practices framework in British Columbia. Under this new approach to forest management, the forest industry is responsible for developing results and strategies, or using specified defaults, for the sustainable management of resource values. The role of government is to ensure compliance with established results and strategies and other practice requirements, and evaluate the effectiveness of forest and range practices in achieving management objectives.

The FRPA Resource Evaluation Working Group (FREWG), representing the Ministry of Forests and Range (Field Services Division, Research Branch and Forest Practices Branch), as well the Ministry of Environment (MOE), and the Ministry of Agriculture and Lands (MAL) began developing the provincial FRPA Resource Evaluation Program (FREP) in May 2003. Over the last two years, FREWG has been actively developing the program structure and framework, along with resource value indicators and monitoring/evaluation protocols.

FREP has been put in place as a multi-agency program to evaluate whether practices under FRPA are meeting not only the intent of current FRPA objectives, but also to determine whether the practices and the legislation itself, are meeting government's broader intent for the sustainable use of resources.

There are two primary delivery mechanisms for FREP — resource stewardship monitoring (RSM) and intensive evaluations. This document describes the RSM framework within the overall context of FREP.

For more information on FREP and its structure and deliverables, please see http://www.for.gov.bc.ca/hfp/frep/index.html.

2. RESOURCE STEWARDSHIP MONITORING

Purpose of Resource Stewardship Monitoring

Resource stewardship monitoring (RSM) is conducted primarily at the district and regional levels (in consultation with regional BA2 teams). RSM consists of overview type monitoring of on-the-ground forest practices to assess whether resource value objectives and/or Forest Stewardship Plan (FSP) results and strategies are being achieved, and whether the results and strategies can be improved. RSM provides valuable information on the status, trends and implementation issues related to specific resource values. In addition, by monitoring the effectiveness of FSP results, strategies and related practices, RSM will help to develop improved evidentiary requirements for future FSPs. As a result, RSM is a fundamental component for implementing continuous improvement of forest management in British Columbia.

3. 2004-05 RESOURCE STEWARDSHIP MONITORING OBJECTIVES

The objectives of resource stewardship monitoring are to provide a mechanism for continuous improvement of forest stewardship through the assessment of on-the-ground forest practices as they relate to approved Forest Stewardship Plan results and strategies and FRPA resource value objectives. This will be accomplished by:

- providing valuable monitoring and assessment data and other information for decision makers responsible for the approval of results and strategies in FSPs
- determining, an overview of resource value status, trends and implementation issues at the district, regional and provincial levels
- assessing and comparing default and innovative practices, strategies, activities and outcomes across multiple geographic areas and licensees
- collecting, analyzing and communicating information and results to improve decision-making, and enhance professional reliance and continuous improvement of forest practices
- identifying issues related to FRPA resource values (subject areas) that require detailed investigation (i.e., identifying "red flags" for regional/provincial intensive evaluations)
- recommending options for changes to forest and range practices and/or guidance (e.g., best practices), where appropriate.

4. WORK BREAK-DOWN

2005 FREP Workplan

The following table describes the activities, timelines and responsibilities under FREP for 2005. Those activities directly related to Resource Stewardship Monitoring are shaded. For a full description of all FREP activities, please contact Peter Bradford or Frank Barber (Forest Practices Branch).

2005 FREP WorkTasks (status -- C - complete, I - initiated, N - no action yet)

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
1.0	**FREP Management**					
1.1	**2005/06 Budget**					
	Finalize contributions (MoF-IMG, CLF, Base/WLAP, UBC, MSRM)	PB	FREWG	01-Apr	30-Jun	C
	Agree on projects and allocations	FREWG	PB	01-Apr	30-Jun	C
	Notify project team leads on alloc. And respons.	FB	PB	30-Jun	15-Jul	C
	Budget management	PB	FB	ongoing		O
	Budget tracking/reports	PB	FB	ongoing		O
1.2	**2006/07 Budget**	PB	FREWG			
	identify projects and $	PB	FREWG	01-Jan	28-Feb	N
	priority setting process	FREWG	FB	01-Feb-06	31-Mar-06	N
	review draft projects and allocations with FREWG	PB	FB		31-Mar-06	N
	draft Treasury Board submission	PB	FREWG	01-Jun-05	01-Oct-05	I

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	submit Base MoF/WLAP/MSRM budget proposal	PB	FREWG	01-Oct-05	01-Jan-06	N
1.3	**Team Terms of Reference**					
	FREP charter (includes FREWG ToR)					
	draft rework	PB		01-Oct-05	01-Nov-05	I
	Review by FREWG	FREWG			15-Nov	
	Final review version and sign off	FREWG			01-Dec-05	
	Print, post, distribute and binder	FB			07-Dec-05	
	Resource Value Team leaders	FB	RVTLs	01-Apr-05	01-May-05	C
	Draft 1	FB	RVTLs			C
	Review by FREWG and all RVTLs	RVTLs	FREWG			C
	Final review version and sign off	FB			01-Jul-05	C
	Print, post, distribute and binder	FB			01-Aug-05	I
	Data Management Working Group					
	Draft 1	FB	DMRS	2005/07/01		C
	Review by FREWG and DMRS working group	FB	DMRS			C
	Final review version and sign off	DMRS	FB		30-Aug-05	C
	Print, post, distribute and binder	FB			01-Sep-05	I
1.4	**Quality Assurance Working Group**					
	Draft 1	TC	QA team	01-Jun-05		C
	Review by FREWG and DMRS working group	TC	QA team			C
	Final review version and sign off	FREWG	QA team		30-Jul-05	C
	Print, post, distribute and binder	FB			30-Aug-05	I
1.5	**RSM Regional Teams**					
	Draft 1	SI Team	FB	30-May-05	15-Jun-05	C
	Review by FREWG and 3 Regional RSM Teams	FB				C
	Final review version and sign off	FB			Jun-05	C
	Print, post, distribute and binder	FB			31-Aug-05	I
1.6	**New RSM Pilot Teams**					
	Draft 1	FB	RVTLs			N
	Review by FREWG and Regional RSM Teams	RVTLs	FB			
	Version 2	FB	RVTLs			
	Final review version and sign off	FB	RVTLs			

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Print, post, distribute and binder	FB	RVTLs			
1.7	**FREP Strategy document**					
	Final Review	FREWG	PB	01-Apr-05		C
	Incorporate comments	PB				C
	Final Edit	PB				C
	Final document	FB			21-Jul-05	C
	Print, post, binder, distribute	FB			15-Aug-05	I
1.8	**FREP Evaluation Questions**					
	Revise for 2005	FB	PB and RVTLs	01-Apr-05	31-Jul-05	I
	Print, post, binder, distribute 2005 questions	FB			15-Aug-05	
	Plan for revising 2005 for 2006	FREWG	FB	01-Oct-05	01-Nov-05	
1.9	**FREP/Forest Practices Board Roles & Responsibilities**					
	Complete Business map	PB	SC	Feb-05	Feb-05	C
	Revise table	PB	SC		Feb-05	C
	Print, post, binder, distribute	PB			31-Mar-05	I
1.10	**Quality Assurance Framework and protocols**					
	Draft 1 of background paper	TC	QAWG	01-Apr-05		C
	Review by FREWG and QA Working Group	TC	QAWG			C
	Final review version and sign off of background paper	QAWG	TC		30-Jul-05	I
	Print, post, distribute and binder	FB			15-Aug-05	
	QA Strategy draft	TC	QAWG		30-Aug-05	I
	QA strategy final	TC	QAWG		30-Oct-05	I
	QA protocol - data	TC	QAWG	15-Jul-05	15-Sep-05	I
	QA protocol - analysis	TC	QAWG	15-Jul-05	15-Sep-05	I
	QA protocol - reports	TC	QAWG	15-Jul-05	15-Sep-05	N
	QA protocol - indicators	TC	QAWG	31-Aug-05	15-Oct-05	N
	QA workplan 2006/07	TC	QAWG	01-Nov-05	31-Dec-05	I
1.11	**Communications**					
	2004 publications - print, post all remaining 2004 publications	FB		31-Mar-05	31-Jul-05	I
	Review existing Communication Plan	PB	FB and FREWG	30-Jun-05	30-Jul-05	C
	Industry Communication Plan if necessary	PB		30-Jun-05	30-Jul-05	C
	Maintain and post meeting list on FTP	FB		30-Jun-05	ongoing	I
	Identify specific dates and people for communication in 2005	PB	FREWG AND REGIONS	see Comm plan		C
	Review existing web site	FB	PB	01-Jun-05		C

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Update web site	FB			01-Aug-05	I
	FREP files	DA	FB	31-Mar-05	31-Mar-06	N
	(Review current file list)	FB	DA		15-Sep-05	N
	(Develop plan if required)	FB	DA		15-Oct-05	N
	implement FREP sharepoint site	FB/DA		15-Jul-05	15-Aug-05	I
	Update FTP site	FB		15-Jul-05	15-Aug-05	I
	FREP binder - define Table of Contents	PB	DA		15-Sep-05	N
	Prepare binder/keep current	DA	PB		ongoing	N
	2005 Extension and Technical Notes					
	(Wendy's stat's paper)	WB	PB		31-Mar-06	N
	(2005 Year in Review)	FB	PB		31-Mar-06	N
	(Intensive Evaluation Extension Notes)	FB	PB		31-Mar-06	N
	(Intensive Evaluation Reports)	FB	PB		31-Mar-06	N
	(RSM Implementation and Pilot update)	FB	PB		31-Mar-06	N
	RVTL Meeting	PB	FB		31-Mar-06	N
1.12	**Forest Practices Board Assessment**					
	Draft 1 Terms of Reference	PB	FPB		01-May-05	C
	Review by FP Board	CM	PB			C
	Approve by Chief Forester	PB			30-Jun-05	C
	Conduct Assessment	FPB		01-Aug-05	31-Oct-05	I
	Review Report	FREWG	PB			N
	Action Plan re: ID'ed gaps	PB	FREWG		15-Dec-05	N
2.0	**Data Management**					
	Data Management/Reporting System					
	Master Project Plan	FB	DMRS		15-Jul-05	C
	Conduct Business Requirements	FB	DMRS	01-Aug-05	31-Oct-05	I
	Report	FB	DMRS		28-Feb-06	N
	Budget and ITQ	FB	DMRS		31-Mar-06	N
	Pre 2005 data management	TC	FB	31-Mar-05	15-Sep-05	I
	Insure data filed on FTP	FB	TC		15-Sep-05	I
2.1	**Short Term Data System**					
	Modify data bases for Riparian, Stand level biodiverity	TC	FB/DMRS		01-Sep-05	I
	Develop data base for soils and water quality	TC	RVTLS		01-Sep-05	N
	contract for data entry	TC			30-Aug-05	I
	2005 data entry	TC		01-Sep-05	01-Nov-05	N
	Quality Assurance on data	TC		01-Sep-05	01-Nov-05	N
3.0	**New RSM Pilots**					
3.1	**Soils pilot - cutblock level**	SB				

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Complete field and office procedures	SB	SOILS TEAM		15-Aug-05	I
	Select participating districts	SB	SOILS TEAM	Jul-05		C
	Train field staff	SB	SOILS TEAM	Sep-05		N
	Implement Pilot	SB	SOILS TEAM	Sep-05	Nov-05	N
	Quality Assurance	SB	TC	Sep-05	Nov-05	N
	Data entry and analysis	SB	TC	Oct-05	Dec-05	N
	Post Mortem meeting/report	FB	SB		Feb-06	N
	changes to Soils indicators	SB	SOILS TEAM	Feb-06	30-Apr-06	N
	Implementation schedule	SB	SOILS TEAM		Feb-06	N
	Final checklist and protocol training	SB	SOILS TEAM		30-Apr-06	N
	2006 implementation	DISTRICTS		Jun-06		
3.2	**Water Quality checklist**	DM				
	Complete field and office procedures	DM	Water Team	31-Mar-05	30-Aug-06	I
	Select participating districts	FB	DM	01-Jul-05	30-Jul-05	C
	Train field staff	DM	Water Team	Sep-05	Sep-05	N
	Implement Pilot	DM	Water Team	Sep-05	Nov-05	N
	Quality Assurance	DM	Water Team	Sep-05	Nov-05	N
	Data entry and analysis	DM	TC	Sep-05	Dec-05	N
	Post Mortem meeting/report	DM	FB		Feb-06	N
	changes to water indicators	DM	Water Team	Feb-06	30-Apr-06	N
	Implementation schedule	DM	FB		Feb-06	N
	Final checklist and protocol training	DM	Water Team		30-Apr-06	N
	2006 implementation	DISTRICTS		Jun-06		
3.3	**Pilot Post Mortem meeting(s) and post implementations meeting(s)**					
	Define objectives	FB/PB and RVTLs	REGIONS	15-Nov-05	15-Dec-05	N
	Develop workplan	FB	Regions	15 Dec, 2005	12-Jan	N
	Identify: participants,	REGIONS	Regions		15 Dec, 2005	N
	Develop agenda	FB	Regions	12-Jan	30-Jan-06	N
	hold meeting	Team leads and staff	Regions/FB/PB		Feb-06	N
3.4	**Indicator Development**					
	Soils - landscape (and photo interp)	MC	SOILS TEAM		31-Mar-06	I
	Develop draft indicators		SOILS TEAM		31-Mar-06	I
	Field test indicators		SOILS TEAM		31-Mar-06	I
	Pilot		SOILS TEAM			
	Implement					
3.5	**Landscape Biodiversity**					

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Confirm team members and lead	PB	ND/RT		15-Sep-05	I
	Develop Terms of Reference	Lead	FB		01-Oct-05	N
	Develop Work Plan	Lead			15-Oct-05	N
	Continue on development of draft indicators	Lead	LLBD Team		01-Jan-06	N
	Field test indicators	Lead	LLBD Team	Jan-06	31-Mar-06	N
	Pilot	Districts	Lead	Jan-06	31-Mar-06	N
	Implement	Districts	LLBD Team		2006/2007	
3.6	**Wildlife**					
	Develop draft indicators	WE	WL Team		31-Mar-06	
	Field test indicators	WE	WL Team		2006/03/31	
	Pilot	WE	WL Team		2006/03/31	
	Implement	WE	WL Team		2006/03/31	
3.7	**Riparian - extensive**	PT	Rip Team			
	Develop draft indicators	PT	Rip Team	31-May-05	31-Mar-06	I
	Field test indicators	PT	Rip Team		31-Mar-06	N
	Pilot	PT	Rip Team		31-Mar-06	N
	Implement	districts/regions	Rip Team		2006/2007	
3.8	**Resource Features (Karst)**					
	Field test indicators	PB		31-Mar-05	30-Sep-05	I
	Pilot (FP Board)	FPB			Fall 2005	N
	Revise based on Pilot	PB			Winter 2005	N
3.9	**Recreation**					
	Revise indicators based on 2004 implementation	BM/JC	RecTeam		31-Mar-06	?
	Field test	BM/JC	RecTeam		31-Mar-06	?
	Implement	regions	BM/JC		31-Mar-06	
3.10	**Cultural Heritage**	DG			?	
	Identify evaluation monitoring approach	FB			?	
3.11	**Intensive Evaluation Projects**					
	Range/Forage	DF				
	Project Plan	DF			15-Jul-05	I
	Project Management Training	DF			ASAP	?
	Conduct field work	DF			summer 05	I
	Data analysis	DF			fall 05	N
	Report	DF			winter 05	N
	Extension Note	FB	DF		spring 06	N
3.12	**Range/Soils**					
	Project Plan	DF			15-Jul-05	I
	Project Management Training	DF			ASAP	?
	Conduct field work	DF			summer 05	I

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Data analysis	DF			fall 05	N
	Report	DF			winter 05	N
	Extension Note	FB	DF		spring 06	N
3.13	**Forest Health - Free Growing**					
	Project Plan	AM	FH Team		15-Jul-05	C
	Project Management Training	AM	FH Team		ASAP	I
	Conduct field work	AM	FH Team		summer 05	I
	Data analysis	AM	FH Team		fall 05	N
	Report	AM	FH Team		winter 05	N
	Extension Note	FB	FH Team		spring 06	N
3.14	**Timber-Tree Species and Genetic Diversity**					
	Project Plan	FB	Tbr. Team		15-Jul-05	N
	Data analysis	FB	Tbr. Team		fall 05	N
	Report	FB	Tbr. Team		winter 05	N
	Extension Note	FB	Tbr. Team		spring 06	N
4.0	**RSM Implementation**					
4.1	**RSM Framework document**	PB	regions			
	(Final FREWG Review)				30 July, 2005	C
	(Incorporate comments and final edit)					C
	(Sponsor signoff)					
	(Layout and print)				01-Aug-05	
	(Distribute, post, binder)				15-Aug-05	
4.2	**RSM Implementation Plan (Including QA)- Draft 1**					
	Review and Revisions					
	Final Plan present to ODMT					
	Signoff of Plan				Aug-05	
	RSM Team Incentive				Sep-05	
	(Develop and approve logo)				30-Jul-05	C
	(Print to T Shirts)				30-Jul-05	C
	(Certificates)				30-Jul-05	
	(Distribute T shirts and certificates at training)				30-Jul-05	
	System for tracking attendees				Jun-05	C
	Site Selection Protocol				Jun-05	C
	(Team Terms of Reference)					
	(Draft 1of Protocol)					
	(Review and Revisions)					
	(Draft 2)					
	(Sign off)					
	Selection of Sampling Sites				Jun-05	C
	(Determine participating Districts)			May-05	Jun-05	C
	(Generate sampling population)				Jun-05	C

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	(Distribution to participating Districts)				June-05	C
4.3	**Riparian Checklist and Protocol**					
	Complete field card and protocol content			31-Mar-05	30-Jun-05	C
	Layout and design field cards and protocol				30-Jun-05	C
	Print, post, distribute, binder				30-Jun-05	I
	Define participating Districts				30-Jun-05	C
	Training schedule				30-Jun-05	C
	Train			Jun-05	31-Jul-05	C
	Collect field data			Jun-05	Oct-05	I
	QA site visits			Sep-05	Oct-05	N
	Additional Trainers			Jun-05	Jul-05	C
	Data Analysis and interpretation				Dec-05	N
	Report				Jan-05	N
	Extension Note				Feb-06	N
	Revisions to Indicators and protocol				Mar-06	N
	2006/07 Implementation					
4.4	**Stand Level biodiversity checklist and protocol**					
	Complete field card and protocol content			31-Mar-05	30-Jun-05	C
	Layout and design field cards and protocol				30-Jun-05	C
	Print, post, distribute, binder				30-Jun-05	I
	Define participating Districts				30-Jun-05	C
	Training schedule				30-Jun-05	C
	Train			Jun-05	31-Jul-05	C
	Collect field data			Jun-05	Oct-05	I
	QA site visits			Sep-05	Oct-05	N
	Additional Trainers			Jun-05	Jul-05	C
	Collect baseline data and refine analysis procedures				Dec-05	N
	Finalize cutblock ranking system				Jan-05	N
	Data Analysis and interpretation				Feb-06	N
	Report				Mar-06	N
	Extension Note				Mar-06	N
	Revisions to Indicators and protocol				Mar-06	N
	2006/07 Implementation					
5.0	**RSM Implementation Post Mortem**					
	Define objectives and purpose			Jun-05	31-Dec-05	N
	Develop Work Plan				Oct-05	N

Task #	Tasks	Primary Responsibility	Secondary Responsibility	Start date	End Date	Status
	Develop agenda				Nov-05	N
	Identify participants				Nov-05	N
	Conduct Post Mortem				Jan-06	N
	Report out to Sponsor, JMC, ODMT, FDMT				Feb-06	N