

**Forest and Range Evaluation Program  
Summary of Projects to Date  
Version 1.0 – September 2003 to July 2006**

The following is a comprehensive list of documents produced by the Forest and Range Evaluation Program (FREP) from September 2003 to the end of June 2006.

## **About FREP**

### ***FREP Priority Evaluation Questions***

#### **Revision History**

- List Revision 1.5 – February 16, 2006

[www.for.gov.bc.ca/hfp/frep/about/questions.htm#questions](http://www.for.gov.bc.ca/hfp/frep/about/questions.htm#questions)

Provides the list of the 41 priority evaluation questions as submitted by the 11 Resource Value Teams, and the 19 top ranked questions based on stakeholder input

### ***Types of Evaluation***

- A Primer on Monitoring and Evaluation Approaches (A One-day Introductory Workshop – 2005) [www.for.gov.bc.ca/hfp/frep/site\\_files/About-Primer-on-Monitoring-and-Evaluation-Approaches.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/About-Primer-on-Monitoring-and-Evaluation-Approaches.pdf)

The outline for a one-day workshop designed to provide a full understanding of the range of monitoring and evaluation options, with a focus on effectiveness evaluations

## **Program and Project Management**

### ***Forest and Range Evaluation Program***

#### **FREP Charter**

- Forest and Range Evaluation Program (FREP) Charter

[www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_Charter\\_v1.1\\_24-Sep-03.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_Charter_v1.1_24-Sep-03.pdf)

Defines the purpose, objectives, scope, deliverables, stakeholders, structure and management of the Forest and Range Evaluation Program (FREP) as approved by the Chief Forester of British Columbia

#### **FREP Strategy**

- FREP Monitoring and Evaluation Strategy v1.1

[www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_Monitoring\\_and\\_Evaluation\\_Strategy\\_17-Feb-06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_Monitoring_and_Evaluation_Strategy_17-Feb-06.pdf)

Provides a comprehensive overview of the overall structure of FREP and how all the program components fit together

#### **FREP Business Maps**

- FREP Business Map: High Level Process [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_Business\\_Map-High\\_Level\\_Process.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_Business_Map-High_Level_Process.pdf)

Provides a detailed flow chart of the business process of FREP

- FREP Business Map: Simple Flow Chart [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_Business\\_Map-Simple\\_Flow\\_Chart.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_Business_Map-Simple_Flow_Chart.pdf)

Provides a simplified flow chart of the business process of FREP

### **Roles of the Forest Practices Board and FREP in Effectiveness Evaluations**

- Map of FREP and FPB Roles in the Development and Implementation of RSM Indicators [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_and\\_FPB\\_Roles\\_in\\_Indicator\\_Development\\_Process.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_and_FPB_Roles_in_Indicator_Development_Process.pdf)

Provides a flow chart of the roles and responsibilities of FREP and the FPB in the development and implementation of indicators for effectiveness evaluations and resource stewardship monitoring

- Table of FREP and FPB Roles in Effectiveness Evaluations [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_and\\_FPB\\_Roles\\_in\\_Effectiveness\\_Evaluations.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_and_FPB_Roles_in_Effectiveness_Evaluations.pdf) Provides a table clarifying the similarities and differences between the roles of FREP and the FPB in conducting effectiveness evaluations

- Terms of Reference – Forest Practices Board Assessment of FREP [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FPB\\_Assessment\\_of\\_FREP\\_Terms\\_of\\_Reference.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FPB_Assessment_of_FREP_Terms_of_Reference.pdf)

Describes the purpose, objectives, roles and responsibilities, deliverables and timetables for a FPB assessment of FREP to identify strengths and weaknesses in the program structure and framework

- Comparison of FPB and FREP Monitoring Programs [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-Comparison\\_of\\_FPB\\_and\\_FREP\\_Monitoring\\_Programs.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-Comparison_of_FPB_and_FREP_Monitoring_Programs.pdf)

Defines the roles and responsibilities of FREP and the FPB for evaluating forest and range practices in British Columbia (i.e., in terms of implementation, scope, primary goals, objectives, outputs, results, and type of evaluations)

### **FREP Resource Value Teams**

- FREP Resource Value Teams Terms of Reference [www.for.gov.bc.ca/hfp/frep/site\\_files/values/FREP\\_Resource\\_Value\\_Teams\\_Terms\\_of\\_Reference.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/FREP_Resource_Value_Teams_Terms_of_Reference.pdf)

Describes the purpose, reporting relationships, responsibilities, principles of membership, decision-making processes, and deliverables of Resource Value Teams

### **FREP Communications Plan**

- Forest and Range Evaluation Program: Communications Plan [www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-FREP\\_Communications\\_Plan.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-FREP_Communications_Plan.pdf)

Outlines the communications objectives for FREP and provides general guidance on the communication of FREP activities and products

### **Review Standards for Evaluation Reports**

- FREP: Review Standards for FRPA Resource Evaluation Reports  
[www.for.gov.bc.ca/hfp/frep/site\\_files/pmgmt/PM-Review\\_Standards\\_for\\_FRPA\\_Resource\\_Evaluation\\_Reports.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/pmgmt/PM-Review_Standards_for_FRPA_Resource_Evaluation_Reports.pdf)
- Discusses review standards for reports published under FREP to fulfill the program's communication objectives

## **Resource Stewardship Monitoring**

### ***Resource Stewardship Monitoring Framework***

- Resource Stewardship Monitoring Framework  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_Resource\\_Stewardship\\_Monitoring\\_Framework.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_Resource_Stewardship_Monitoring_Framework.pdf)
- A comprehensive description of the objectives and scope of resource stewardship monitoring, including stakeholder involvement, critical success factors, and major deliverables
- Terms of Reference for RSM Team  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_Team\\_Terms\\_of\\_Reference.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_Team_Terms_of_Reference.pdf)

Describes the purpose, reporting relationships, responsibilities, principles of membership, and decision-making processes of Resource Stewardship Monitoring Teams

### ***RSM and the Forest and Range Evaluation Program***

- RSM and FREP Overview Presentation  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_FREP\\_and\\_RSM\\_Overview.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_FREP_and_RSM_Overview.pdf)
- A PowerPoint presentation providing an overview of resource stewardship monitoring and FREP

### ***Resource Stewardship Monitoring Work Plans***

#### **2004 RSM Pilot Project Work Plan**

- 2004 Pilot Project Work Plan  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2004\\_Pilot\\_Work\\_Plan.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2004_Pilot_Work_Plan.pdf)

A detailed work plan and timetable for the 2004 RSM Pilot Project

- 2004 Pilot Project GANTT Chart  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2004\\_Pilot\\_Gantt\\_Chart.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2004_Pilot_Gantt_Chart.pdf)
- A GANTT chart of the 2004 RSM Pilot Project

- 2004 Pilot Project Team Members  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2004\\_Pilot\\_Team\\_Members.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2004_Pilot_Team_Members.pdf)

A list of the team members for the 2004 RSM Pilot Project

## **2005 RSM Pilot Project Work Plan**

- 2005 Pilot Project Work Plan  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2005\\_Pilot\\_Work\\_Plan.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2005_Pilot_Work_Plan.pdf)

A detailed work plan and timetable for the 2005 RSM pilot testing

- 2005 Pilot Project Team Members  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2005\\_Pilot\\_Team\\_Members.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2005_Pilot_Team_Members.pdf)
- A list of the team members for the 2005 RSM pilot testing

## **RSM Pilot Meta-Evaluation**

- 2004 Pilot Projects Meta-Evaluation Criteria  
[www.for.gov.bc.ca/hfp/frep/site\\_files/rsm/RSM\\_2004\\_Pilot\\_Meta-Evaluation\\_Criteria.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/rsm/RSM_2004_Pilot_Meta-Evaluation_Criteria.pdf)

Outlines the meta-evaluation process to measure the success of the 2004 RSM pilot projects

## ***Resource Stewardship Monitoring Training***

- RSM Riparian/Stand-level Biodiversity Training Schedule: April-May 2006  
[http://www.for.gov.bc.ca/hfp/frep/site\\_files/Training-Riparian\\_SLBD\\_District\\_Training\\_Schedule\\_Apr-06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/Training-Riparian_SLBD_District_Training_Schedule_Apr-06.pdf)

Provides details (dates, locations) on the full training sessions offered for riparian/fish and stand-level biodiversity for 2006

- Details for Resource Value Checklist Training Sessions  
[www.for.gov.bc.ca/hfp/frep/site\\_files/Training-Resource\\_Value\\_Checklist\\_Training\\_Details.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/Training-Resource_Value_Checklist_Training_Details.pdf)

Provides trainer contact information and an outline of the training delivery format for riparian/fish and stand-level biodiversity for 2006

## **Monitoring Indicators and Protocols**

### ***Table of Resource Value Indicators and Protocols***

- Protocol for 2005 Resource Stewardship Monitoring – Steps for the selection of sites under riparian-fish and stand-level biodiversity resource stewardship monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_2005\\_Protocol\\_for\\_Resource\\_Stewardship\\_Monitoring\\_FG.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_2005_Protocol_for_Resource_Stewardship_Monitoring_FG.pdf)
- Provides detailed procedures for selecting sample sites for RSM of riparian-fish and stand-level biodiversity in 2005

## **Biodiversity**

- Protocol for Stand-level Biodiversity Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Biodiversity-Protocol\\_for\\_Stand-level\\_Biodiversity\\_Monitoring.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Biodiversity-Protocol_for_Stand-level_Biodiversity_Monitoring.pdf)
- A detailed description of background information and instructions for stand-level biodiversity data collection, Version 2.0, April 28, 2006

- Protocol for Stand-level Biodiversity Monitoring (Field Guide)  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Biodiversity-Protocol\\_for\\_Stand-level\\_Biodiversity\\_Monitoring\\_FG.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Biodiversity-Protocol_for_Stand-level_Biodiversity_Monitoring_FG.pdf)  
Field guide version of the Protocol for Stand-level Biodiversity Monitoring, Version 2.0, April 28, 2006
- Addendum to the Stand-level Biodiversity Monitoring Protocol – June 28, 2006  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Biodiversity-Addendum\\_for\\_Stand-level\\_Biodiversity\\_Monitoring\\_28-Jun-06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Biodiversity-Addendum_for_Stand-level_Biodiversity_Monitoring_28-Jun-06.pdf)  
An addendum sampling scheme for sampling cutblocks larger than 100 hectares during stand-level biodiversity monitoring
- Resource Stewardship Monitoring Plot Information – Form 1244  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Biodiversity-FS1244\\_Stand\\_Level\\_Biodiversity\\_RSM\\_Plot\\_Information.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Biodiversity-FS1244_Stand_Level_Biodiversity_RSM_Plot_Information.pdf)  
Stand-level biodiversity RSM field cards
- Key Differences from 2005 to 2006: Stand-level Biodiversity  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Biodiversity-Key\\_Differences\\_2005-2006\\_Stand\\_Level\\_Biodiversity.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Biodiversity-Key_Differences_2005-2006_Stand_Level_Biodiversity.pdf)  
Outlines the conceptual changes and changes to the field cards for stand-level biodiversity monitoring for 2006

***Papers Presented at the Biodiversity Monitoring Conference in Richmond, B.C., November 2-4, 2004:***

- Effectiveness Evaluations – A primer for making them truly effective – Poster Presentation  
[www.for.gov.bc.ca/hfp/frep/site\\_files/values/Biodiversity\\_NovConf\\_Effectiveness\\_Evaluations\\_Paper.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/Biodiversity_NovConf_Effectiveness_Evaluations_Paper.pdf)  
A poster presentation outlining a training session to facilitate the understanding and implementation of effectiveness evaluations as part of B.C.'s new forest stewardship model
- The FRPA Resource Evaluation Program  
[www.for.gov.bc.ca/hfp/frep/site\\_files/values/Biodiversity\\_NovConf\\_FREP\\_Paper.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/Biodiversity_NovConf_FREP_Paper.pdf)  
A paper describing FREP and its role in assessing the success of forest and range practices in achieving management objectives for resource values identified under FRPA
- Stand-level Biodiversity Monitoring – An Evolving Approach  
[www.for.gov.bc.ca/hfp/frep/site\\_files/values/Biodiversity\\_NovConf\\_Biodiversity%20Monitoring\\_Paper.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/Biodiversity_NovConf_Biodiversity%20Monitoring_Paper.pdf)  
A paper discussing the progress to date in evaluating the effectiveness of stand-level biodiversity practices in B.C.
- Effectiveness evaluation for wildlife in British Columbia under the Forest and Range Practices Act  
[www.for.gov.bc.ca/hfp/frep/site\\_files/values/Biodiversity\\_NovConf\\_Wildlife\\_Paper.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/Biodiversity_NovConf_Wildlife_Paper.pdf)  
An outline of the efforts to develop tools and approaches for effectiveness evaluations for six wildlife species – mountain goat, white-headed woodpecker, marbled murrelet, gopher snake, and the Rocky Mountain and coastal tailed frog

## **Riparian/Fish**

- Protocol for Streams and Riparian Management Areas Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Fish-Protocol\\_for\\_Streams\\_and\\_Riparian\\_Management\\_Areas\\_Monitoring.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Fish-Protocol_for_Streams_and_Riparian_Management_Areas_Monitoring.pdf)  
A detailed description of background information and instructions for riparian/fish data collection, Version 2.0, May 9, 2006
- Protocol for Streams and Riparian Management Areas Monitoring (Field Guide)  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Fish-Protocol\\_for\\_Streams\\_and\\_Riparian\\_Management\\_Areas\\_Monitoring\\_FG.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Fish-Protocol_for_Streams_and_Riparian_Management_Areas_Monitoring_FG.pdf)  
Field guide version of the Protocol for Streams and Riparian Management Areas Monitoring, Version 2.0, May 9, 2006
- Routine Riparian Management Effectiveness Evaluation Form  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Fish-Routine\\_Riparian\\_Management\\_Effectiveness\\_Evaluation\\_Form.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Fish-Routine_Riparian_Management_Effectiveness_Evaluation_Form.pdf)  
Riparian/fish RSM field cards
- Key Differences from 2005-2006: Routine Riparian Effectiveness Evaluation  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Fish-Key\\_Differences\\_2005-2006\\_Routine\\_Riparian\\_Effectiveness\\_Evaluation.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Fish-Key_Differences_2005-2006_Routine_Riparian_Effectiveness_Evaluation.pdf)  
Outlines the clarifications and elaborations to monitoring procedures and improvements to the riparian/fish checklist for 2006

## **Forage and Associated Plant Communities**

- Evaluation Forms [www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Forage-Evaluation\\_Forms.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Forage-Evaluation_Forms.pdf)  
Forage RSM field cards
- Evaluation Forms Detailed Instructions  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Forage-Evaluation\\_Forms\\_Detailed\\_Instructions.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Forage-Evaluation_Forms_Detailed_Instructions.pdf)  
Additional guidance and direction for completing the forage checklist
- Description of Plant Communities and Habitats Form  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Forage-Description\\_of\\_Plant\\_Communities\\_and\\_Habitats.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Forage-Description_of_Plant_Communities_and_Habitats.pdf)  
A form for describing plant communities and habitats, and browse utilization

## **Recreation**

- Recreation Site Evaluation Draft Form  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Recreation-Site\\_Evaluation\\_Draft\\_Form.xls](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Recreation-Site_Evaluation_Draft_Form.xls)  
Recreation site evaluation questions in Excel format

- Recreation Site Evaluation Field Form  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Recreation-Site\\_Evaluation\\_Field\\_Form.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Recreation-Site_Evaluation_Field_Form.pdf)

Recreation site effectiveness evaluation field cards

- Recreation Evaluation – Post Data Collection Questionnaire  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Recreation-Post\\_Data\\_Collection\\_Questionnaire.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Recreation-Post_Data_Collection_Questionnaire.pdf)  
A questionnaire to collect feedback from field staff on implementation of recreation site effectiveness evaluations
- Recreation Site Effectiveness Evaluation Project Plan  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Recreation-Site\\_Effectiveness\\_Evaluation\\_Project\\_Plan.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Recreation-Site_Effectiveness_Evaluation_Project_Plan.pdf)  
A detailed project plan (e.g., goals/objectives, scope, deliverables, roles and responsibilities, stakeholders, etc.) to evaluate the effectiveness of recreation sites

### Resource Features

- Karst Resources Checklist – Version #5 (June 2006)  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Features-Karst\\_Resources\\_Checklist\\_and\\_Monitoring\\_Protocol\\_version\\_05.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Features-Karst_Resources_Checklist_and_Monitoring_Protocol_version_05.pdf)  
Version #5 of the draft checklist for karst resource features
- Karst Resources Checklist – Version #2 (October 2004)  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Features-Karst\\_Resources\\_Checklist\\_and\\_Monitoring\\_Protocol\\_version\\_02.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Features-Karst_Resources_Checklist_and_Monitoring_Protocol_version_02.pdf)  
Version #2 of the draft checklist for karst resource features

### Soils

- Protocol for Cutblock Level Soils Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Soils-Protocol\\_for\\_Cutblock\\_Level\\_Soil\\_Monitoring.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Soils-Protocol_for_Cutblock_Level_Soil_Monitoring.pdf)  
A detailed description of background information and instructions for soils data collection
- Soils Effectiveness Evaluation Pilot Data Forms and Procedures -09-Sep-04  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Soils-Effectiveness\\_Evaluation\\_Pilot\\_Data\\_Forms\\_and\\_Procedures.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Soils-Effectiveness_Evaluation_Pilot_Data_Forms_and_Procedures.pdf)  
Data forms and procedures for pilot testing the effectiveness of policies and practices in conserving soil productivity and hydrologic function (Sep 9, 2004)
- Soil Conservation FRPA Effectiveness Evaluation Information Sheets  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Soils-FRPA\\_Effectiveness\\_Evaluation\\_Information\\_Sheets.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Soils-FRPA_Effectiveness_Evaluation_Information_Sheets.pdf)  
An overview of sampling concepts, background information, and field procedures for monitoring soils conservation

- Soil Conservation FRPA Effectiveness Evaluation Field Cards  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Soils-FRPA\\_Effectiveness\\_Evaluation\\_Field\\_Cards.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Soils-FRPA_Effectiveness_Evaluation_Field_Cards.pdf)  
Soils RSM field cards

### **Visual Quality**

- Procedures for Effectiveness Evaluation of Visual Quality Management  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Visual-Procedures\\_for\\_Effectiveness\\_Evaluation\\_of\\_Visual\\_Quality\\_Management.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Visual-Procedures_for_Effectiveness_Evaluation_of_Visual_Quality_Management.pdf)  
Describes the recommended procedures for evaluating forest practices in meeting established visual quality objectives in designated scenic areas.
- Visual Quality Effectiveness Evaluation – Form 1239  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Visual-FS1239\\_Visual\\_Quality\\_Effectiveness\\_Evaluation.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Visual-FS1239_Visual_Quality_Effectiveness_Evaluation.pdf)  
Visual quality RSM field cards

### **Water Quality**

- Water Quality Effectiveness Evaluation: Cutblock Inspection Manual  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Water-Water\\_Quality\\_Effectiveness\\_Evaluation\\_Cutblock\\_Inspection\\_Manual.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Water-Water_Quality_Effectiveness_Evaluation_Cutblock_Inspection_Manual.pdf)  
Detailed procedures for conducting water quality effectiveness evaluations at the cutblock level to determine if forest and range practices are maintaining downstream water quality
- Water Quality Effectiveness Evaluation: Site Inspection Manual  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Water-Water\\_Quality\\_Effectiveness\\_Evaluation\\_Site\\_Inspection\\_Manual.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Water-Water_Quality_Effectiveness_Evaluation_Site_Inspection_Manual.pdf)  
Draft procedures for conducting water quality effectiveness evaluations at the site level to determine if forest and range practices are maintaining downstream water quality
- Water Quality Effectiveness Evaluation: Field Form  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Water-Water\\_Quality\\_Effectiveness\\_Evaluation\\_Field\\_Form.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Water-Water_Quality_Effectiveness_Evaluation_Field_Form.pdf)  
Water quality RSM field cards
- Water Quality Effectiveness Evaluation: Summary Table  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Water-Water\\_Quality\\_Effectiveness\\_Evaluation\\_Summary\\_Table.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Water-Water_Quality_Effectiveness_Evaluation_Summary_Table.pdf)  
Summary table of evaluation criteria for water quality effectiveness evaluations

### **Wildlife**

- Monitoring the Effectiveness of Mountain Goat Habitat Management  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Wildlife-Monitoring\\_Mountain\\_Goat\\_Habitat\\_Management.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Wildlife-Monitoring_Mountain_Goat_Habitat_Management.pdf)  
A report on developing evaluation questions and indicators for evaluating the effectiveness of mountain goat habitat management

- Rocky Mountain Tailed Frog WHA Monitoring Protocol  
[www.for.gov.bc.ca/hfp/frep/site\\_files/indicators/Indicators\\_Wildlife-Rocky\\_Mountain\\_Tailed\\_Frog\\_WHA\\_Monitoring\\_Protocol.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/indicators/Indicators_Wildlife-Rocky_Mountain_Tailed_Frog_WHA_Monitoring_Protocol.pdf)

Routine and extensive indicators and protocols for monitoring the effectiveness of wildlife habitat areas established for Rocky Mountain tailed frogs

- Discussion Paper: Development of questions and indicators for determining the effectiveness of wildlife habitat areas for badgers  
[www.for.gov.bc.ca/hfp/frep/site\\_files/values/Wildlife\\_Badger\\_WHA\\_Analysis.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/values/Wildlife_Badger_WHA_Analysis.pdf)  
A detailed report on developing evaluation questions and indicators for evaluating the effectiveness of wildlife habitat areas established for badgers

## **Quality Management**

### ***FREP Quality Assurance Framework Backgrounder***

- FREP Quality Assurance Framework Background Paper  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_Quality\\_Assurance\\_Framework\\_Backgrounder.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_Quality_Assurance_Framework_Backgrounder.pdf)  
Sets the context for quality assurance, quality management and quality control for environmental monitoring and evaluation carried out under FREP

### ***Quality Control***

- Quality Control Protocol 1 – 2005/06 Field Season Data Verification QA Site Visits for Stand-level Biodiversity and Riparian/Fish Resource Stewardship Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_QCP01\\_QA\\_Site\\_Visit\\_13-Oct-2005.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_QCP01_QA_Site_Visit_13-Oct-2005.pdf)  
A quality control protocol for conducting QA site visits to ensure data collection accuracy, consistency and bias control
- Quality Control Protocol 2A – Data Validation and Cleaning for Stand-level Biodiversity Resource Stewardship Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_QCP02a\\_SLBD\\_06-Oct-2005.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_QCP02a_SLBD_06-Oct-2005.pdf)  
A quality control protocol for data validation and cleaning for stand-level biodiversity to ensure checklist fields are filled in correctly and to correct invalid data
- Quality Control Protocol 2B – Data Validation and Cleaning for Routine Riparian/Fish Management Effectiveness Evaluation  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_QCP02b\\_Riparian\\_06-Oct-2005.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_QCP02b_Riparian_06-Oct-2005.pdf)  
A quality control protocol for riparian/fish to ensure checklist questions are answered accurately and correctly and to correct invalid data
- Quality Control Protocol 3B – Data Analysis and Summary for Riparian/Fish Management Effectiveness Evaluation.  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_QCP03b\\_Riparian\\_07-Oct-2005.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_QCP03b_Riparian_07-Oct-2005.pdf)  
Provides a template for the data analysis and summary of data collected for the riparian/fish checklist

## ***FREP Quality Management Team (QMT)***

- QMT Terms of Reference  
[www.for.gov.bc.ca/hfp/frep/site\\_files/qmgmt/QM\\_FREP\\_QM\\_Team\\_Terms\\_of\\_Reference\\_01-Apr-06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/qmgmt/QM_FREP_QM_Team_Terms_of_Reference_01-Apr-06.pdf)  
Describes the membership, roles and responsibilities, reporting relationships, deliverables and timetables, principles of membership, and decision-making processes of the FREP Quality Management Team

## **Information Management System**

### ***IMS Project Management***

#### **Master Project Plan for FREP IMS**

- Master Project Plan Phase II  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_Master\\_Project\\_Plan\\_Phase\\_II\\_12-Apr-06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_Master_Project_Plan_Phase_II_12-Apr-06.pdf)  
A detailed description of the multi-phased initiative to develop the FREP information management system

#### **Terms of Reference for the FREP IMS Working Group**

- IMS Working Group Terms of Reference  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_Working\\_Group-Terms\\_of\\_Reference.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_Working_Group-Terms_of_Reference.pdf)  
Describes the purpose, reporting relationships, responsibilities, principles of membership, decision-making processes, meeting schedules and membership of the FREP IMS Working Group

#### **IMS Communications Plan**

- FREP IMS Communications Management Plan  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_Communications\\_Management\\_Plan.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_Communications_Management_Plan.pdf)  
Outlines the communication objectives and roles and responsibilities for the FREP information management system

#### **IMS Requirements Gathering**

- Executive Letter Requesting Staff Participation in IMS Requirements Gathering  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_System\\_Requirements-Executive\\_Letter\\_Requesting\\_Staff\\_Participation.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_System_Requirements-Executive_Letter_Requesting_Staff_Participation.pdf)  
A letter from the Chief Forester requesting staff to participate in the process of identifying business requirements of the FREP information management system
- IMS System Requirements Validation Document  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_System\\_Requirements-Validation\\_Document.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_System_Requirements-Validation_Document.pdf)  
A summary of the input provided by district staff on the type of information management system required to support data collection under FREP/RSM

- IMS System Requirements – Summary of Staff Comments  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_System\\_Requirements-Summary\\_of\\_Staff\\_Comments.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_System_Requirements-Summary_of_Staff_Comments.pdf)  
The questionnaire used to solicit feedback from district staff on the development of a data management system for FREP/RSM
- Graph of Validation Results  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_System\\_Requirements-Validation\\_Results\\_Graph.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_System_Requirements-Validation_Results_Graph.pdf)  
Graph of evaluation results from the December 8<sup>th</sup> and 9<sup>th</sup> FREP IMS Validation Workshop

### **IMS Communiqués**

- IMS Communiqué 2.0 – 15-Dec-05  
[www.for.gov.bc.ca/hfp/frep/site\\_files/ims/IMS\\_Communique\\_II\\_15-Dec-05.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/ims/IMS_Communique_II_15-Dec-05.pdf)  
A communiqué on the progress to date (December 15, 2005) on the development of the FREP information management system

### **FREP Publication Library**

#### *FRPA Evaluator Extension Notes*

- Extension Note 1 – Evaluating Forest Management in British Columbia  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_01.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_01.pdf)  
Introduces the goals and objectives of FREP, outlines the framework/structure of the program, and briefly describes the monitoring/evaluation process in British Columbia
- Extension Note 2 – Routine/Extensive Indicator Workshop  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_02.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_02.pdf)  
Provides an overview of the results of an indicator development workshop held in January 2004, where the characteristics of a good indicator are defined, and a seven-step process for developing, testing, implementing and refining indicators is presented
- Extension Note 3 – 2003-2004 Year in Review.  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_03.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_03.pdf)  
Summary of the highlights and accomplishments of FREP during 2003/04, including the seven highest priority evaluation questions for that year, indicator development status, expenditures, and projects planned for 2004/05.
- Extension Note 4 – Resource Stewardship Monitoring Pilot Project 2004-2005  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_04.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_04.pdf)  
Description of the pilot testing of monitoring protocols for three resource values – soils, riparian-fish and stand-level biodiversity, including staff training, data management issues, and methods for evaluating the success of the pilot testing process
- Extension Note 5 – Forest Certification and the FRPA Resource Evaluation Program  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_05.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_05.pdf)  
Summary of a report prepared by Dr. John Innes examining the relationship between evaluations and monitoring under FREP and the monitoring and assessment of sustainable forest management practices associated with forest certification

- Extension Note 6 – Baseline Datasets for Evaluating Wildlife Tree Patches.  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_06.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_06.pdf)  
Summary of a report prepared by David Huggard in which datasets on tree and snag densities in unmanaged CWH, ESSF and ICH forests were compiled to provide baseline comparisons for wildlife tree retention data collected during evaluations and monitoring activities
- Extension Note 7 – Preliminary Assessment of the Effectiveness of Wildlife Tree Retention on Cutblocks Harvested Between 1999 and 2001 under the Forest Practices Code  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_07.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_07.pdf)  
Summary of a report prepared by Pandion Ecological Research Ltd. assessing the biological effectiveness of British Columbia's wildlife tree policies and practices in protecting habitat for wildlife-tree-dependent species
- Extension Note 8 – Evaluation of Cutblock Sizes Harvested under the Forest Practices Code in British Columbia 1996-2002  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_08.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_08.pdf)  
Summary of a report prepared by Klasen Forest Consulting assessing average cutblock size, trends in silvicultural systems, and the effectiveness of the 40/60 rule based on RESULTS data from 43,000 cutblocks harvested between 1996 and 2002
- Extension Note 10 – 2004/2005 Year in Review  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_10.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_10.pdf)  
Summary of the highlights and accomplishments of FREP during 2004/05, including status of resource value checklists, brief summaries of six intensive evaluations, a list of stakeholder communications, acknowledgement of staff and agency contributions, expenditures, Forest Practices Board activities, and planned initiatives for 2005/06
- Extension Note 11 – Quality Assurance for Resource Stewardship Monitoring  
[www.for.gov.bc.ca/hfp/frep/site\\_files/extension/FRPA\\_Evaluator\\_Extension\\_Note\\_11.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/extension/FRPA_Evaluator_Extension_Note_11.pdf)  
Description of the role of quality assurance (QA) in resource stewardship monitoring in terms of formal resource value training, refresher training, district QA support, QA site visits, quality control protocols, the interactive QA website, regular QA updates, and QA reports and publications

### ***FRPA Evaluator Technical Notes***

- Technical Note 1 – Developing and Implementing Effectiveness Evaluation Indicators  
[www.for.gov.bc.ca/hfp/frep/site\\_files/technical/FRPA\\_Evaluator\\_Technical\\_Note\\_01.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/technical/FRPA_Evaluator_Technical_Note_01.pdf)  
Based on a workshop held in January 2004, provides specific guidance/recommendations for the indicator development process, as well as insights and lessons learned from field testing draft indicators for soils, riparian-fish and stand-level biodiversity
- Technical Note 2 – FRPA Resource Evaluation Program Terminology  
[www.for.gov.bc.ca/hfp/frep/site\\_files/technical/FRPA\\_Evaluator\\_Technical\\_Note\\_02.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/technical/FRPA_Evaluator_Technical_Note_02.pdf)  
Clarifies some of the terminology commonly used in resource evaluations, particularly as it relates to FREP
- Technical Note 3 – Why the Units We Evaluate Should Be Randomly Selected  
[www.for.gov.bc.ca/hfp/frep/site\\_files/technical/FRPA\\_Evaluator\\_Technical\\_Note\\_03.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/technical/FRPA_Evaluator_Technical_Note_03.pdf)

Describes the rationale/principles for randomly selecting sample sites for monitoring activities and evaluations under FREP

### ***Forest and Range Evaluation Program Reports***

- FREP Report 1 – Baseline Datasets for Evaluating Wildlife Tree Patches  
[www.for.gov.bc.ca/hfp/frep/site\\_files/reports/FREP\\_Report\\_01.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/reports/FREP_Report_01.pdf)  
Full report prepared by David Huggard in which datasets on tree and snag densities in unmanaged CWH, ESSF and ICH forests were compiled to provide baseline comparisons for wildlife tree retention data collected during evaluations and monitoring activities
- FREP Report 2 – Preliminary Assessment of the Effectiveness of Wildlife Tree Retention on Cutblocks Harvested Between 1999 and 2001 under the Forest Practices Code  
[www.for.gov.bc.ca/hfp/frep/site\\_files/reports/FREP\\_Report\\_02.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/reports/FREP_Report_02.pdf)  
Full report prepared by Pandion Ecological Research Ltd. assessing the biological effectiveness of British Columbia's wildlife tree polices and practices in protecting habitat for wildlife-tree-dependent species
- FREP Report 3 – Evaluation of Cutblock Sizes Harvested under the Forest Practices Code in British Columbia 1996-2002  
[www.for.gov.bc.ca/hfp/frep/site\\_files/reports/FREP\\_Report\\_03.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/reports/FREP_Report_03.pdf)  
Full report prepared by Klasen Forest Consulting assessing average cutblock size, trends in silvicultural systems, and the effectiveness of the 40/60 rule based on RESULTS data from 43,000 cutblocks harvested between 1996 and 2002

### ***FREP Discussion Papers***

- FREP Discussion Paper: Activities at the Regional and District Level – April 2004  
[www.for.gov.bc.ca/hfp/frep/site\\_files/discussion/FREP\\_Discussion\\_Paper\\_Activities\\_at\\_the\\_Regional\\_and\\_District\\_Level.pdf](http://www.for.gov.bc.ca/hfp/frep/site_files/discussion/FREP_Discussion_Paper_Activities_at_the_Regional_and_District_Level.pdf)  
Discusses the roles and responsibilities of regions and districts for resource stewardship monitoring and intensive evaluations under FREP