

2002-2003 Business Plan Template

OIFS Strategy #406		Title: WQT - CWS ECA Refinement			FIA Project	
Description of the Activity: Refinement of Watershed Strategies - Development of modeling criteria to relate crown closure to hydrologic recovery and green-up						
Status:		“New” or Years in Progress: approx 10		Priority Comments: High – this ongoing project can alleviate watershed constraints.		
Location: Pentiction Creek Watershed				Management Unit: Okanagan TSA		
Potential Lead Proponent: OIFS, Weyerhaeuser						
Issue: Hydrologic recovery, rate-of-cut rules, and drinking water guidelines are currently applied uniformly across the TSA. Some watershed, landscape, and forest cover types are less susceptible to hydrologic change with harvesting. Data demonstrating the actual changes in hydrologic processes for specific forest and land units will help planners separate types in which operations are unlikely to result in stream flow or water quality impacts. Resources can then be directed toward innovative practices in the hydrologically sensitive types.						
Objectives: 1. Update the hydrologic recovery strategy 2. Refine rate-of-cut constraints 3. Assess harvesting effects on drinking water quality 4. Develop strategies to mitigate harvesting effects on stream flow and water quality						
Project Tasks, Deliverables, Targets & Milestones:					Target Dates:	
1. Propose new hydrologic recovery strategy REPORT					June 2002	
2. Complete snow survey over broad range of timber types in the TSA to validate and refine proposed recovery strategy.....					Spring 2003	
3. Update hydrologic recovery strategy for incorporation into TSR -..... REPORT					Late 2003	
4. Continue to measure stream flow, climate, and water quality at Upper Pentiction Cr.....					Ongoing	
5. Document effects of 20% ECA on stream flow and water quality..... REPORT					Late 2003	
6. Document effects of 30% ECA on stream flow and water quality..... REPORT					Late 2007	
Benefits Anticipated: Refinement of the hydrologic recovery, rate-of-cut strategy, and drinking water guidelines. Refined strategy will improve timber supply review process.						
Outputs: Improved watershed management strategy and watershed assessment procedures, Operational summaries and seminars, Scientific publications, Data for additional research projects addressing site specific questions such as stream temperature, channel stability, and aquatic habitat						
Partnerships to date: Ministry of Forests, Weyerhaeuser Company Ltd., Ministry of Water, Land, and Air Protection, Water Survey of Canada, Univ. of British Columbia, University College of the Cariboo, City of Pentiction						
Relationship/Linkages to Other Strategies: Riparian classification, water Q&Q studies, monitoring G&Y, Silvics II, Fertilization-other values, Ecosystem Management						
Proposed Investments						
Current 2001/02	Projected 2002/03	Projected 2003/04	Projected 2004/05	Projected 2005/06	Projected 2006/07	5 Year Projected Totals
\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000
Units:	Ha	Ha	Ha	Ha	Ha	Ha
Goals:						
AAC Return: n/a m3 per year						
Cost: \$ n/a per m3						
Return on Investment: n/a m3/ha/yer per \$1.00 expended				Reliability of ROI estimate: Low		
Approved By		Technical Committee		Date: February 12, 2002		
		Board of Directors		Date:		