

**2002-2003 Business Plan Template**

<b>OIFS Strategy #406</b>		<b>Title: WQT - CWS ECA Refinement</b>			<b>FIA Project</b>	
<b>Description of the Activity:</b> Refinement of Watershed Strategies - Development of modeling criteria to relate crown closure to hydrologic recovery and green-up						
<b>Status:</b>		<b>“New” or Years in Progress:</b> approx 10		<b>Priority Comments:</b> High – this ongoing project can alleviate watershed constraints.		
<b>Location:</b> Pentiction Creek Watershed				<b>Management Unit:</b> Okanagan TSA		
<b>Potential Lead Proponent:</b> OIFS, Weyerhaeuser						
<b>Issue:</b> 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.						
<b>Objectives:</b> 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						
<b>Project Tasks, Deliverables, Targets &amp; Milestones:</b>					<b>Target Dates:</b>	
1. Propose new hydrologic recovery strategy ..... <b>REPORT</b>					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 -..... <b>REPORT</b>					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..... <b>REPORT</b>					Late 2003	
6. Document effects of 30% ECA on stream flow and water quality..... <b>REPORT</b>					Late 2007	
<b>Benefits Anticipated:</b> Refinement of the hydrologic recovery, rate-of-cut strategy, and drinking water guidelines. Refined strategy will improve timber supply review process.						
<b>Outputs:</b> 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						
<b>Partnerships to date:</b> 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						
<b>Relationship/Linkages to Other Strategies:</b> Riparian classification, water Q&Q studies, monitoring G&Y, Silvics II, Fertilization-other values, Ecosystem Management						
<b>Proposed Investments</b>						
<b>Current 2001/02</b>	<b>Projected 2002/03</b>	<b>Projected 2003/04</b>	<b>Projected 2004/05</b>	<b>Projected 2005/06</b>	<b>Projected 2006/07</b>	<b>5 Year Projected Totals</b>
\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000
<b>Units:</b>	Ha	Ha	Ha	Ha	Ha	Ha
<b>Goals:</b>						
<b>AAC Return:</b> n/a m3 per year						
<b>Cost:</b> \$ n/a per m3						
<b>Return on Investment:</b> n/a m3/ha/yer per \$1.00 expended				<b>Reliability of ROI estimate:</b> Low		
<b>Approved By</b>		<b>Technical Committee</b>		<b>Date:</b> February 12, 2002		
		<b>Board of Directors</b>		<b>Date:</b>		