



**Skeena
BC Timber Sales
Environmental Management System**

PROJECT RISK RATING FORM

<i>Business Area:</i>	<i>Field Team:</i>	<i>File Nos.(EMS and Project):</i>	<i>Project ID (Genus):</i>
<i>Tenure (type/no):</i>	<i>Block:</i>	<i>Type of Project:</i> LWCP <input type="checkbox"/> BCTS Contract: <input type="checkbox"/> Licence/Permit <input type="checkbox"/>	
<i>Road Name:</i>	<i>Road No.:</i>	<i>Location (description):</i>	
<i>Structure Name:</i>	<i>Structure Station:</i>	<i>Structure Location (description):</i>	
<i>Licencee/Permittee/Contractor:</i>		<i>On-site Contact:</i>	<i>EMS Participating?</i> Yes <input type="checkbox"/> No <input type="checkbox"/>
<i>Date:</i>		<i>Completed by:</i>	

PROJECT TYPE

<input type="checkbox"/> Planning	<input type="checkbox"/> Silviculture (Brushing, Site Prep)	<input type="checkbox"/> Bridges/ Major Culverts
<input type="checkbox"/> Silviculture (Survey, Plant)	<input type="checkbox"/> Road Maint/Deact (BCTS)	<input type="checkbox"/> LWCP
<input type="checkbox"/> Licensee (Harvesting, Road Construction, Maint., Deact.)	<input type="checkbox"/> Road Construction (BCTS)	<input type="checkbox"/> Other

PHASES / ACTIVITIES BEING RISK-RATED *

Planning	Harvesting	Roads	Silviculture
<input type="checkbox"/> Cutblock	<input type="checkbox"/> Falling	<input type="checkbox"/> Construction	<input type="checkbox"/> Surveys (L) <input type="checkbox"/> Brushing – Mech (M)
<input type="checkbox"/> Road	<input type="checkbox"/> Yarding/Loading	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Site Prep (M) <input type="checkbox"/> Brushing – Chem/Ground (H)
<input type="checkbox"/> SPs	<input type="checkbox"/> Helicopter	<input type="checkbox"/> Deactivation/Rehabilitation	<input type="checkbox"/> Planting (L) <input type="checkbox"/> Brushing – Chem/Aerial (H)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Cable	<input type="checkbox"/> Other _____	<input type="checkbox"/> Fertilization (M) <input type="checkbox"/> Other _____
	<input type="checkbox"/> Forwarding		

What is the Risk over the duration of the project due to the following factors:

	Area	Risk Factors	Risk Ranking			Value NA=0
			High (3)	Moderate (2)	Low (1)	
PLAN COMPLEXITY	H, P	Boundaries	Patch Cuts <1 ha, single tree selection, complex partial cuts.	Clear cuts with reserves, retention systems non-complex partial cuts	Clear cuts no WTP's or exterior edge WTP's	
	H, R, P	Features	Highly sensitive features (OGMA, habitat, First Nation)	Standard features (RMA, WTP) w/ no special issues	Very few features with no special considerations	
	H, R, P	Special Issues	High retention values, multiple terrain classes, special issues, alternate Silviculture systems	Low retention values, few terrain classes/special issues	No concerns	
	H, R	Roads In-block/ Mainlines	Any gully fill, end haul, bench cut, armoring or special construction techniques	Side hill cuts <60%-25% standard construction practices	<25% flat terrain standard construction practices	
	P	Data Collection & Assessments	Extremely complex assessment(s) w/ large factors for error	Moderate assessment(s) complexity	No assessment(s)	
WATER ISSUES	H, R, P	Water Users	Within community watershed, licenses required	Within community watershed but good controls in place	Outside of community watershed	
	H, R, P	Stream Classes	Areas w/ very high fisheries values (S1-S4 streams)	Areas w/ low fisheries values (S5-S6 running into fish bearing stream)	Areas with no fisheries values (S5-S6 not running into fish bearing streams)	
	R	Controls	Special controls required for protection (silt fence, etc.)		No controls required	
	H, R	Engineered Structures	Culverts > 2000mm Any Bridge and WBC > 3m span,	Culverts 1200mm - 2000mm WBC < 3 m span	Culverts < 1200 mm excluding cross drains	
	H, R	Timing Issues	Work occurs outside window w/ high potential of damage	Work occurring within window w/ high potential of damage	Work occurring within window w/ very low potential	



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PUBLIC ISSUES	H, R, P	Heritage Values	Present with high potential of disturbance	Present with minimal chance of disturbance	None present	
	H, R, P	Recreation values	Present, active local users, potential for disturbance	Present, rarely used, potential for disturbance	None present	
	H,R,P	Visual Impacts	High impact values	Moderate impact values	No impact values	
	H, R, P	Public Health & Safety	High risk to the public, lack of safety controls available	Moderate risk to the public but good controls in place	No risk	
	H, R, P	Other stakeholder interests/ Pine mushroom potential/Utilities	High interaction w/ other interests, high level of concern	Low interaction with other interests, minor concerns	Interests present but no concerns	
SOIL/TERRAIN	H, R, P	Terrain Stability	Existing or suspected evidence of landslides	Minor stability problems with basically stable terrain	Stable terrain with low or no instability potential	
	H	Harvest method	Adverse summer conventional/ Cable Class 4 and 5 Terrain	Any season Conventional	Winter/Highlead Stable Terrain/ Helicopter	
	H, R	Erosion potential	Fine textured (silts and clays)	Moderate textured (clay with some aggregates)	Coarse textured (shale, rock, minimal clay/silt content)	
	H, R	Rainfall Impacts	High impact potential	Moderate impact potential	Low impact potential	
	H, R, P	Slope Issues	> 45%, long uniform slopes, high runoff potential > 100m continuous slopes	25 – 45%, long broken slopes, moderate runoff	0 – 25%, short uniform or short broken, low runoff	
Primary Risk Factors						
L/P/C	H, R, P	Experience	New contractor	Contractor with 1-2 yrs experience	Contractor with over 2 years experience	
	H, R, P	Compliance History	> 3 sig non-conformances, >3 non-compliances	2-3 sig non-conformances, > 2 non-compliance	0-1 sig non-conformance/non-compliance	
	H, R, P	Training & awareness	No formal training, low awareness of EMS issues	Acceptable training but low awareness of EMS issues	Acceptable training and good awareness of EMS issues	
SEASONAL & WEATHER	H, R	Fire Rating/ Fuel Type	ICHmc1 01b 02 CWHvm1 02-03 CWHws1 02 CWHws2 02		All others	
	H, R	Fire Season	Within fire season		Outside of fire season	
	H, R	Rainfall levels	High	Moderate	Low	
	R	Seasonal Timing	September to April		May - August	
FUEL	H, R	Storage	Large volumes (>500L), poor location, lack of acceptable containment measures	Moderate volumes (200-500L), poor location, good containment measures	Low volumes (<200L), good location, good containment measures	
	H, R	Dispensing	Inadequate training and awareness, poor equipment	Adequate training & awareness, poor equipment	Good training & awareness and good equipment	
Secondary Risk Factors						
Total Risk Value						



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Recommended Inspection / Monitoring Frequency Table:

	RISK RATING																																											
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	87
Roads																																												
Harvesting																																												
Planning																																												

MINIMUM INSPECTION FREQUENCY BCTS For all activities excluding Silviculture

LOW	Progress optional; one final
MODERATE	one Progress and Final
HIGH	Two Progress and Final

MINIMUM INSPECTION FREQUENCY Self Monitoring LPCs

LOW	Once/project, minimum one every 2 months
MODERATE	Once/project, minimum one every 1 month
HIGH	Once/project, minimum one every 2 weeks

* Applies to LPC/LWCP's that are required by the terms of the Licence/Permit/Contract to conduct inspections.

Silviculture risk ratings are based on activity type. Below is a breakdown of operations into low, medium and high risk and their corresponding inspection frequency.

LOW	Progress optional; one final includes all planting and silviculture surveys
MODERATE	Two Progress and Final includes mechanical site prep, brushing and weeding and fertilization
HIGH	Two Progress and Final includes spacing, and herbicide or pesticide operations