

BCWS Fuel Management Prescription Template 2023

BCWS Fuel Management Prescription for Wildfire Risk Reduction

A. PROJECT IDENTIFICATION	
PROJECT ID AND UNIT ID:	LAND OR TENURE HOLDER:
LATITUDE/LONGITUDE:	GEOGRAPHIC DESCRIPTION:
HIGHER-LEVEL PLAN(s):	MAP REFERENCE NUMBER:

B. FUEL TREATMENT PROJECT DESCRIPTION			
OBJECTIVE:	☐ Public Safety	☐ Range Improvement	☐ Ecosystem Restoration
	☐ Recreation	☐ Wildlife Habitat	☐ Other:
	Description:		
STRATEGIES:			
METHODS:			

C. FUEL TREATMENT UNIT (FTU) SUMMARY							General Description
FTU	NET AREA (ha)	GROSS AREA (ha)	LEAVE AREAS (ha)	NP (ha)	NAR (ha)	TREATMENT REGIME (i.e. PRU, THIN, Rx BURN, etc.)	
TOTALS							

D. SITE CHARACTERISTICS							
FTU	CFFBPS FUEL TYPE	TIMBER TYPE	BGC SUBZONE, VARIANT & SITE ASSOC.	ELEVATION RANGE (m)	SLOPE POSITION	SLOPE RANGE (%)	ASPECT
FUEL TYPE DETERMINATION							
REPRESENTATIVE WEATHER STATION							

E. SOIL CHARACTERISTICS							
FTU	SOIL TEXTURE	DUFF DEPTH (cm)	COARSE FRAGMENTS (%)	SOIL DISTURBANCE LIMIT (%)	SOIL HAZARD RATING		
					Compaction	Erosion	Displacement

F. VALUES – FOREST AND RANGE PRACTICES ACT				
RIPARIAN & LAKESHORE AREAS - Forest Planning and Practices Regulation (FPPR) division 3, Government Action Regulation (GAR) section 6, Forest and Range Practices Act (FRPA) sections 180 and 181				
Is the proposed burning, cutting, modification or removal of trees, or site preparation, in an area that contains streams, lakes or wetlands?	Yes ☐ No ☐			
RIPARIAN MANAGEMENT AREAS (RMAs) - FPPR sections 51 and 52				
STREAM, LAKE, WETLAND ID	CLASS	RRZ (m)	RMZ (m)	SPECIFICATIONS FOR RIPARIAN OR LAKESHORE MANAGEMENT AREAS

BCWS Fuel Management Prescription Template 2023

TEMPERATURE SENSITIVE STREAMS - FPPR section 53, GAR section 15, FRPA sections 180 and 181		
Are there temperature sensitive streams or direct tributaries to temperature sensitive streams within or adjacent to the proposed treatment area?	Yes ☐ No ☐	
ROAD CONSTRUCTION IN RIPARIAN MANAGEMENT AREAS - FPPR section 50		
Is road construction proposed in riparian management areas within the treatment area or an associated road permit (RP)?	Yes ☐ No ☐	
STREAM CROSSINGS - FPPR section 55		
Will stream crossings be constructed within the proposed treatment area or a road permit road providing access to the treatment area?	Yes ☐ No ☐	
MAINTAINING STREAM BANK AND CHANNEL STABILITY ON S4, S5, and S6 STREAMS - FPPR section 52 (2)		
Is the proposed treatment in the RMZ of an S4, S5 or S6 stream that is directly tributary to an S1, S2 or S3 stream and the activity is likely to contribute significantly to the destabilization of the stream bank or the stream channel?	Yes ☐ No ☐	
DOMESTIC WATER LICENCES (inside or outside of community watershed) - FPPR section 59		
Does the proposed treatment area contain water sources that are diverted for human consumption by a licensed waterworks?	Yes ☐ No ☐	
LICENCED WATER WORKS (inside or outside of a community watershed) - FPPR section 60		
Does the proposed treatment include areas that are within 100m of a licensed waterworks?	Yes ☐ No ☐	
FISHERIES SENSITIVE WATERSHED - GAR section 14, FPPR section 8.1		
Are any activities proposed within a fisheries sensitive watershed?	Yes ☐ No ☐	
COMMUNITY WATERSHED - GAR section 8, FPPR section 8.2, 61, 62 and 84		
Does the proposed treatment area include areas that are within a community watershed?	Yes ☐ No ☐	
Will this project require road or guard construction or deactivation within a community watershed?	Yes ☐ No ☐	

BCWS Fuel Management Prescription Template 2023

WATERSHED ASSESSMENT CONSIDERATIONS - FRPA section 180 areas with "significant watershed sensitivity"				
Does the proposed treatment area include areas that have watershed assessment considerations?	Yes ☐ No ☐			
SOIL DISTURBANCE AND PERMANENT ACCESS STRUCTURES - FPPR sections 35 and 36				
Fuel Treatment Unit	Proposed Max. Allowable Soil Disturbance (%) (5% or 10%)	Proposed Max. Soil Disturbance for Roadside Work Areas (%)	Proposed Max. Permanent Access Structures (%)	Comments:
Do the proposed Permanent Access Structures exceed 7% of the total area?	Yes ☐ No ☐			
LANDSLIDES AND TERRAIN STABILITY - FPPR section 37				
Does the proposed treatment area include areas where terrain stability is a concern?	Yes ☐ No ☐			
SUITABLE SECONDARY STRUCTURE - FPPR section 43.1				
Does the proposed treatment area include a "targeted pine leading stand"?	Yes ☐ No ☐			
UNGULATE WINTER RANGE - GAR section 12, FRPA sections 180 and 181, FPPR section 69				
Does the proposed treatment area include areas within an Ungulate Winter Range?	Yes ☐ No ☐			
WILDLIFE HABITAT AREA - GAR section 10, FRPA sections 180 and 181, FPPR section 69				
Does the proposed treatment area include any wildlife habitat areas (WHA)?	Yes ☐ No ☐			
MIGRATORY BIRD CONVENTION ACT - 1994				
Does the proposed treatment have the potential to impact migratory bird habitat?	Yes ☐ No ☐			
OBJECTIVES SET BY GOVERNMENT FOR WILDLIFE - FPPR section 7				
Does the proposed treatment area include areas to which objectives for wildlife under FPPR section 7 apply?	Yes ☐ No ☐			
OBJECTIVES SET BY GOVERNMENT FOR BIODIVERSITY OBJECTIVES (Landscape Level) - FPPR Part 4 Division 5				
Does the proposed treatment area include areas to which objectives for landscape level biodiversity under FPPR section 9 apply?	Yes ☐ No ☐			

BCWS Fuel Management Prescription Template 2023

OBJECTIVES SET BY GOVERNMENT FOR BIODIVERSITY OBJECTIVES (Stand Level) - FPPR Part 4 Division 5		
Are considerations for maintaining stand structure (wildlife trees, wildlife tree reserves, etc.), coarse woody debris, and maintaining tree and vegetation species composition incorporated into this prescription?	Yes ☐ No ☐	
RECREATION FEATURES - FRPA section 56 and 149, FPPR section 70		
Does the proposed treatment area contain interpretive sites, recreation trails, recreation sites, recreation facilities that are of significant recreation value and are designated a resource feature?	Yes ☐ No ☐	
VISUAL QUALITY OBJECTIVES - GAR section 7, FRPA sections 180 and 181, FPPR section 9.2		
Is the proposed treatment within a scenic area?	Yes ☐ No ☐	
ARCHAEOLOGICAL RESOURCES/CULTURAL HERITAGE RESOURCES - FPPR section 10		
Are there any known archaeological sites or cultural heritage resources that are important to First Nations within the proposed area? No Referral to Land Manager is required if proposed TU is on the applicant's own First Nation Land.	Yes ☐ No ☐	
INVASIVE PLANTS - FRPA section 47 and FPPR section 17		
Is the introduction and spread of invasive plants likely as a result of the proposed treatment?	Yes ☐ No ☐	
NATURAL RANGE BARRIERS - FRPA section 48, FPPR section 18		
Are there natural range barriers within the proposed treatment area that are likely to be removed or rendered ineffective?	Yes ☐ No ☐	
SPECIES AT RISK – FPPA section 7		
Are there species at risk present within the boundaries of the prescribed treatment area?	Yes ☐ No ☐	

BCWS Fuel Management Prescription Template 2023

LAND USE OBJECTIVES (Higher Level Plans and objectives set by Government under the <i>Land Act</i>)		
Are there land use objectives (higher level plans or objectives under the <i>Land Act</i>) that apply to the proposed treatment area or a Road Permit necessary to provide access to the treatment area?	Yes ☐ No ☐	
Do the proposed activities conflict with land use objectives (higher level plans or objectives under the <i>Land Act</i>)?	Yes ☐ No ☐	
Known and potential species at risk, windthrow hazard, and old growth management areas	Yes ☐ No ☐	

G. OTHER CONSIDERATIONS AND REQUIREMENTS		
ENGAGEMENT AND CONSULTATION – FIRST NATIONS		
FIRST NATION	SUMMARY OF ENGAGEMENT, INFORMATION SHARING, CONCERNS IDENTIFIED AND MEASURES TO ADDRESS	
First Nations consultation complete?	Yes ☐ No ☐	
CONSULTATION – GENERAL		
EXISTING TENURE HOLDERS (Forest, Range, Guide Outfitters, Trappers, etc.)		
Tenure Holder	Concerns?	Measures proposed to address licensee's assets / concerns
	Yes ☐ No ☐	
	Yes ☐ No ☐	
	Yes ☐ No ☐	
PRIVATE PROPERTY		
Does private property border the proposed treatment area?	Yes ☐ No ☐	

BCWS Fuel Management Prescription Template 2023

SMOKE MANAGEMENT		
Does a smoke management plan beyond OBSCR exist for the proposed treatment area?	Yes ☐ No ☐	
SAFETY		
Have any specific safety concerns been identified in or adjacent to the proposed treatment area?	Yes ☐ No ☐	
UTILITIES & INFRASTRUCTURE		
Are utilities or infrastructure located in or adjacent to the proposed treatment area? i.e. power lines, rail lines, etc.	Yes ☐ No ☐	
ACCESS CONTROL		
Are there any foreseen issues with access and access control during and post treatment?	Yes ☐ No ☐	
TRAFFIC CONTROL		
Is traffic control required at any point during operations?	Yes ☐ No ☐	
OTHER (E.g Public Notification)		

H. FUEL LOADING AND TREATMENT SPECIFICATIONS (Complete H for each FTU)
Fuel Treatment Unit ID:
H.1 TREATMENT SPECIFICATIONS SUMMARY
FUEL REMOVAL/RETENTION STRATEGY BY SIZE/SPECIES (Summarize specifications for surface, ladder and standing fuel removal and retention)
TREATMENT SPECIFICATION RATIONALE
H.2 STAND FUEL LOADING
Complete a STAND and STOCK TABLE (SST) appendix for each FTU. The SST(s) must be attached to this document. A professional volume estimate is required when merchantable tree cutting is prescribed and a timber cruise should be considered when cutting >50 m ³ /ha or >500 m ³ in total.
Is the cutting of standing trees prescribed? ☐ Yes ☐ No
Comments:

BCWS Fuel Management Prescription Template 2023

STAND AND STOCK TABLE SUMMARY (copied from Stand and Stock Tables in Appendix)								
Layer Info	Crown Base Height Range (m)	Age / Average Tree Height (m)	STEMS PER HECTARE (sph)			VOLUME PER HECTARE (m ³ /ha) ¹		
			Existing	Cut	Leave	Existing	Cut	Leave
Total All Species Layer 1								
Total All Species Layer 2								
Total All Species Layer 3								
Total All Species Layer 4								
TOTAL ALL LAYERS (from Stand and Stock Table appendix)								

H.3 SURFACE FUEL LOADING (kg/m2)					
Size Class (cm)	Existing (kg/m²)	Existing Distribution	Target (kg/m²)	Target Distribution	Methodology Used
Fine Woody Debris (</=7cm)					
Large Diameter Woody Debris (>7cm – </= 20cm)					
**Coarse Woody Debris (CWD) (20cm+)					
H.4 CROWN CLOSURE AND CANOPY BULK DENSITY					
Crown Closure (%)	Existing: (Dead / Live)		Target:		
Canopy Bulk Density (description including fuel stratum gap)	Existing: (Dead / Live)		Target:		
H.5 BIODIVERSITY AND FOREST HEALTH CONSIDERATIONS AND TARGETS					
**COARSE WOODY DEBRIS (CWD) RETENTION TARGET - Pieces / ha and Distribution					
WILDLIFE TREE RETENTION TARGET – describe specific wildlife tree features to protect, sph, geographic preferences etc.					

BCWS Fuel Management Prescription Template 2023

FOREST HEALTH- Should include details such as agent, affected species, incidence rating, mortality, and targets	
---	--

** CWD – See “Surface Fuel Loading” section of the guidance document to ensure both CWD objectives are met post treatment.

I. TREATMENT DESCRIPTION (Must Be Filled Out)
MERCHANTABLE TIMBER CUTTING
ROADS, LANDINGS AND TRAILS (e.g., will new road construction be required, is there existing roads that will be utilized?):
FELLING (e.g., is there special measures required for felling, hand falling areas, etc.):
YARDING/SKIDDING (e.g., is there specific yarding areas identified, is forwarding preferred over skidding due to sensitive soils in some areas etc.):
PROCESSING, LOADING AND HAULING (e.g., are there specific areas identified regarding where these activities may occur?):
SLASH DISPOSAL (e.g., is there a recommended slash disposal method?):
SPECIAL MEASURES:
STAND MODIFICATION TREATMENTS
BRUSHING:
PRUNING:
THINNING:
DEBRIS PILING:
PILE BURNING:
MULCHING:
MASTICATION:
GRINDING:
PRESCRIBED FIRE:
PLANTING:
OTHER:
AUTHORIZATION AND TIMBER TENURE REQUIREMENTS (To be populated in consultation with the land manager. E.g., BC Parks,

BCWS Fuel Management Prescription Template 2023

Natural Resource District, Mountain Resorts Branch etc.)
FRPA Section 52:
Forestry License to Cut (FLTC):
Park Use Permit:
Road Permit or Road Use Permit:
Other (i.e., local government, utilities, etc.):

J. POST TREATMENT												
EXPECTED VEGETATION RESPONSE BY FTU:												
ADDITIONAL MONITORING AND MAINTENANCE:												
Planned / Scheduled Monitoring & Maintenance:												
Time Post Treatment (months / years)	Activity / Treatment:			FTU(s):		Comments:						
Triggers For Maintenance Treatments:												
SILVICULTURE OBLIGATIONS: Do silvicultural obligations apply to the treatment area? Yes ☐ No ☐												
PLANTING: Is planting a treatment identified in this prescription or required as a legislative obligation? Yes ☐ No ☐												
STOCKING STANDARDS												
FTU	Stocking Standard ID	Pref. Spp.	Acc. Spp.	Well-Spaced Stem/ha				Minimum Height (m)			Regen Delay	Free Growing (years)
				TSS	MSS		MITD	PI	Others	RTH (%)		
					Pref. & Acc.	Pref.						
K. Outstanding Works												
L. ADMINISTRATION												
PREPARATION												
QUALIFIED REGISTERED PROFESSIONAL NAME <i>(Printed)</i>								QUALIFIED REGISTERED PROFESSIONAL SIGNATURE				
PROFESSIONAL ASSOCIATION & MEMBER NUMBER								DATE				

BCWS Fuel Management Prescription Template 2023

M. ATTACHMENTS			
MAPS:	Yes ☐ No ☐	FIELD DATA CARDS:	Yes ☐ No ☐
WUI WTA Plots and Photos:	Yes ☐ No ☐	CRUISE DATA:	Yes ☐ No ☐
AIR PHOTOS/IMAGERY:	Yes ☐ No ☐	BURN PLAN:	Yes ☐ No ☐
MODELING/DATA ANALYSIS:	Yes ☐ No ☐	STAND & STOCK TABLES:	Yes ☐ No ☐
SURFACE FUEL LOADING DATA:	Yes ☐ No ☐	OTHER:	
TERRAIN STABILITY ASSESSMENT	Yes ☐ No ☐	VISUAL IMPACT ASSESSMENT	Yes ☐ No ☐
Completed By:		Completed By:	
Date:		Date:	
ARCHAEOLOGY IMPACT ASSESSMENT Yes ☐ No ☐		BIOLOGIST ASSESSMENT Yes ☐ No ☐	
Completed By:		Completed By:	
Date:		Date:	
ADDITIONAL COMMENTS:			