

NACFOR Estimated Cost Summary

*Estimates Only	
April 1, 2019 - March 31, 2021 FESBC Nakusp WUI Estimated Cost Summary	
3 Prescriptions, 2 Treatments, Landscape Level Wildfire Pre-Planning	
Activity	Est. Cost (\$)
Prescriptions (1 update, 2 new)	51,050.00
Activities related to prescription development	12,712.50
Site Evaluations/Field Data Collection Work	27,400.00
Layout and Traversing	7,000.00
Preparation of final report requirements, mapping	3,937.50
Treatment (2 treatments) (Net Revenue)	249,685.00
Pre-treatment activities	4,200.00
Treatment	298,970.00
Post-treatment activities (including, post treatment assessments, signage)	3,290.00
Preparation of final report requirements	3,225.00
Landscape Level Wildfire Pre-Planning	5,100.00
Work Plan Development and consultation with experts and agencies	3,000.00
Evaluation of methods for fire risk determination/priority setting for fuel treatment	2,100.00
Total Project Estimate	\$305,835.00

Prescription Cost Estimate Breakdown

				TU 13 Nakusp Creek	Planning Unit 1 (Horn)	Planning Unit 6 (Box Lake)		
				1.8 ha	41.7 ha	157.5 ha		
Activity	Breakdown	Responsibility	Day Rate	Est. Time (days)	Est. Time (days)	Est. Time (days)	Total Days	Est. Cost (\$)
Activities related to prescription development	Agency Consultation/Coordinating with partners and stakeholders (ex. MOTI)	RPF/Office	600.00	0.5	1.0	2.0	3.5	\$2,100.00
	First Nations Info Sharing	RPF/Office	600.00	0.5	0.5	0.5	1.5	\$900.00
	Stakeholder and community consultation/infosharing	RPF/Office	600.00	0.5	1.0	1.0	2.5	\$1,500.00
	Initial Site Visit	RPF/Field	600.00	0.5	0.5	1.0	2	\$1,200.00
	Area Determination (Completed for TU13)	RPF/Field	600.00	0.0	0.5	1.0	1.5	\$900.00
	Administrative/Clerical	Clerk	300.00	1.0	1.0	2.0	4	\$1,200.00
	Visual Assessments	GIS Tech	475.00	0.5	0.5	0.5	1.5	\$712.50
	Prescription Writing	RPF/Office	600.00	1.0	2.0	4.0	7	\$4,200.00
	Subtotal						23.5	\$12,712.50
Site Evaluations	WTA Plots and presc data collection, recce, compilation	Crew/Field/office	875.00	1.0	4.0	2.0	7	\$6,125.00
	Cruise (for stand & stock tables)	Crew/Field	875.00	1.0	8.0	8.0	17	\$14,875.00
	Geotechnical Review	Geotech	640.00	3.5	3.5	0.0	7	\$4,480.00
	Archaeological Assessments	Archaeologist	640.00	1.0	1.0	1.0	3	\$1,920.00
	Subtotal						34	\$27,400.00
Layout and Traversing	TU layout	Crew/Field	875.00	0.5	2.0	2.0	4.5	\$3,937.50
	GPS Boundaries	Tech/Field	875.00	0.5	1.0	2.0	3.5	\$3,062.50
	Subtotal						8	\$7,000.00
Preparation of final report requirements	Completion of final report/costs reporting, completion statements	RPF/Office	600.00	1.0	1.0	1.0	3	\$1,800.00
	Mapping and Spatial data preparation	GIS Tech	475.00	1.0	1.5	2.0	4.5	\$2,137.50
	Subtotal						7.5	\$3,937.50
Sum of days				14.0	29.0	30.0	73	
TOTAL ESTIMATE				\$8,917.5	\$21,155.0	\$20,977.5		\$51,050.00

Treatment Cost Estimate Breakdown

				Unit 13 (Nakusp Creek)	Unit 1 (North Nakusp)		
			Total Area	1.8 ha	41.7 ha		
			Treatable Area	1.8	35		
Activity	Breakdown	Responsibility	Day Rate	Est. Time (days)	Est. Time (days)	Total Days	Est. Cost (\$)
			8 hr day				
Pre-treatment Activities	Agency Consultation/Coordinating with partners and stakeholders (ex. Interfor)	RPF/Office	600.00	0.5	1.0	1.5	\$900.00
	Community Info Sharing/Consultation	RPF/Office	600.00	1.0	1.0	2.0	\$1,200.00
	First Nations Info Sharing (Crown Land)	RPF/Office	600.00	0.0	0.0	0.0	\$0.00
	Obtaining Authorizations	RPF/Office	600.00	1.0	1.0	2.0	\$1,200.00
	Administrative/Clerical	Clerk	300.00	1.0	2.0	3.0	\$900.00
Subtotal						8.5	\$4,200.00
Treatment	Supervision/Management of Treatment	Supervisor	520.00	2.0	5.0	7.0	\$3,640.00
	DTA	Assessor	520.00	1.0	2.0	3.0	\$1,560.00
	Mob and Demob (Low Bed)	Lowbed+Operator (per hr rate)	130.00	4.0	8.0	12.0	\$1,560.00
	Road construction, reconstruction, highway accesses	lump sum					\$30,000.00
	Mechanical Treatment - 75% - 26 ha	Mechanical Falling/Processing	Harvester	1,600.00	3.0	35.0	\$60,800.00
		Skidding / Forwarding , rough sorting ,decking	Forwarder	1,440.00	3.0	35.0	\$54,720.00
		Final sorting and loading	Log loader	1,600.00	2.0	20.0	\$35,200.00
		Log Hauling (typical cycle time 5.5 hours x 4.00/tonne-hr = \$22.00/tonne=\$20.00/m3 x1500 m3	Short log trucks			0.0	\$30,000.00
		Mechanical piling - assume half of area needs piling afterwards and the rest is clean enough	120EX size excavator	1,080.00	2.0	16.5	\$19,980.00
	Hand treatment - 25% - 9 ha	Thinning and Slashing (0.3 ha/day)	LabourerX3	400.00	2.0	25.0	\$10,800.00
		Hand piling	LabourerX3	400.00	2.0	25.0	\$10,800.00
		Pruning by hand on mechanical and hand treatment areas - assume half needs light treatment	LabourerX3	400.00	1.0	18.0	\$7,600.00
		Chipping and scattering -assume half of mechanical piled area chipped, the rest burnt (6.5 ha)	Chipper (\$80/hr) + mini hoe (\$85/hr)	1,320.00	2.0	11.0	\$17,160.00
		Burning piles - assume half of mechanical area burnt, all hand treatment burnt (15.5 ha)	LabourerX3	400.00	2.0	29.0	\$12,400.00
		Road deactivation	Hoe+Operator	1,100.00	0.5	2.0	\$2,750.00
Subtotal						258.0	\$298,970.00
Post-Treatment Activities	Post-treatment Assessments	Crew/Field	860.00	0.5	1.0	1.5	\$1,290.00
	Signage	Tech/Field + Signs		1000.0	1000.0		\$2,000.00
Subtotal						1.5	\$3,290.00
Preparation of final report requirements	Completion of final report/costs	RPF/Office	600.00	1.0	2.0	3.0	\$1,800.00
	Mapping and Spatial data preparation	GIS Tech	475.00	1.0	2.0	3.0	\$1,425.00
Subtotal							\$3,225.00
	DAYS			1032.5	1241.5		
	EXPENSES			\$25,855.0	\$221,830.0	Expenses	\$309,685.00
	ESTIMATED REVENUE	Assume \$40 per m3 average revenue for pulp and low grade sawlog material x 1500 m3				Estimated Revenue	\$60,000.00
	TOTAL ESTIMATE					Total Estimate (Net Revenue)	\$249,685.00

Landscape Level Pre-Planning - Cost Estimate Breakdown

Activity	Breakdown	Responsibility	Day Rate	Est. Days	Est. Cost (\$)
Activities related to Landscape Level Work Plan Development	Agency Consultation/Coordinating with partners, experts, and stakeholders (BCWS, FLNRORD, Woodlots, Interfor)	RPF/Office	600.00	2	\$1,200.00
	Review of methods to determine wildfire risk (fuel assessments, fire modeling, spatial analysis, imagery)	RPF/Office	600.00	3.5	\$2,100.00
	Work Plan Development (goals and objectives, partners, proposed methods, timeline/costs)	RPF/Office	600.00	3	\$1,800.00
	Subtotal				\$5,100.00
	Sum of days			8.5	
	TOTAL ESTIMATE				\$5,100.00

