

Quesnel Area of Interest

Community Wildfire Protection Plan
Wildfire Threat Assessment Worksheets and Pictures
October and November 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 1

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Not treated

Plot # Q1 Community Quesnel
 Address 6 Morrow Geographic Location/Street Name Marsh Road
 Date Oct 22/17 GPS/UTM N5P 56.663 W12W 34.758'
 Plot # Q1 & 414 Land Ownership Crown Private U.S. Other (specify)

Q1

Fuel	LIVELI				
	A	B	C	D	E
1 Soft/Dead and Moisture Regain (20)	1-12 2	1-12 2	1-12 2	1-12 2	1-12 2
2 Surface Fuel Continuity (20-25)	<20 2	20-40 2	40-60 2	60-80 2	>80 2
3 Vegetation Fuel Composition	Woody, Softly Angled Logs, Low Flammability	Softly, Deciduous	Conifers, Conifer	Fire Adapted	Leguminous, Barkless, Bark Thin
4 Fine Woody Debris Continuity (20-25)	<10 2	Saturated, <10 coverage 2	10-25 coverage 2	>25 coverage, < 10 cm deep 2	>25 coverage, > 10 cm deep 2
5 Large Woody Debris Continuity (20-25)	<10 2	Saturated, <10 coverage 2	10-25 coverage 2	>25 coverage, not stacked 2	>25 coverage, partly stacked 2
6 Live and Dead Grasses Cover (20)	<20 2	20-40 2	40-60 2	60-80 2	>80 2
7 Live Deciduous Cover (20)	>80% or >20% vertical cover cover 2	60-80 2	40-60 2	20-40 2	<20 2
8 Live and Dead Conifer Cover Area (20)	2+ or >20% cover cover cover 2	20-40 2	2-12 2	1-12 2	<1 2
9 Live and Dead Supplemental and Herbaceous Cover (20)	0-200 2	200-400 2	400-600 2	600-800 2	>800 2
10 Fuel Moisture (% of maximum and air-determined) (20)	Standing Dead and Partly Down < 1 2	Standing Dead and Partly Down 2-15 2	Standing Dead and Partly Down >15-50 2	Standing Dead and Partly Down >50-75 2	Standing Dead and Partly Down >75 2
11 Continuous Forest/Brush Cover within 100 m (20)	0-20 2	21-40 2	41-60 2	61-80 2	>80 2

Weather	Sub Total 43				
	A	B	C	D	E
12 Dependable Snow	All required 1	OK, OK, OK Dry Snow Wet 2 1 1	OK, OK, OK Dry Snow Wet 2 1 1	OK, OK, OK, OK, OK, OK, OK, OK Dry Snow Wet 2 1 1 1 1 1 1 1	OK, OK 1 1
13 Annual Relative Humidity (by month) (20)	65, 71, 81, 84, 91, 96, 99, 91, 81, 68, 67 1	61, 68, 81, 84, 86, 71, 68, 58 1	67, 71, 84, 81, 71, 68, 67 1	61, 65, 81, 84, 81, 71, 65, 68, 64, 67, 62 1	61, 64, 62, 67 1

Topography	Sub Total 15				
	A	B	C	D	E
14 Aspect (to 100 aspect)	North 0	100 1	>100 slope of aspect 10	West 10	South 10
15 Slope (%)	<10 1	10-20 2	20-40 3	40-54 4	>55 5
16 Soils	Fair 1	Bad 1	Very Bad 1	Consistent slope, Deep Snow or shallow gulches 2	Consistent slope, Deep gulches 2
17 Landscape Topographic Orientation to Wildfire Source	<15% (inclined) level 1	North and/or east aspect conifers, wildfire spread into low fuel cover and/or West 2	Where more terrain, broken topography, steep aspect and slope changes, multiple orientations to wildfire spread large water bodies 1	Sloping terrain, minor water bodies, minimal aspect and slope changes, minor orientations to wildfire spread 1	Continuous, consistent topography no orientation to wildfire spread 1

FUEL, WEATHER AND TOPOGRAPHY	Sub Total 67				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure Values within 1 km 0	Bottom of slope within bottom 2	Mid-slope benches, stepped walls, <10% slope 10	Mid-slope benches, >10% slope 10	Slope 1/3 of slope 10
19 Type of Development	No Structure Values within 1 km 0	Permitted interface, no inclusions 2	Permitted interface, with inclusions 1	Interface > 1 structures 8	Interface > 10 structures 8
20 Position of Attachment Area Relative to Slope	No Structure Values within 1 km 0	Above >100-200-100-100 m 1 10 20	Level >100-200-100-100 m 1 10 20	Flat/rolling >100-200-100-100 m 1 10 20	Slope >100-200-100-100 m 1 10 20

*Percent only if fuel not total >= 25
 **Percent to Structural component only if Wildfire Threat Assessment Score is >= 10 for structural purposes.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 41
TOTAL WILDFIRE THREAT SCORE 206

Wildfire Behaviour Threat Class (check applicable)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-100	<input type="checkbox"/>
Extreme	>100	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

last updated January 24, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 1 Pictures



Picture 1-1 @ 360 degrees



Picture 1-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 2

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
Plot # <u>Q2</u> Community <u>Quesnel</u> <input checked="" type="checkbox"/> Pre-treated <input type="checkbox"/> Not-treated Name <u>B. Morrow</u> Geographic Location/Street Name <u>Morsh Road</u> Date <u>Oct 22 2017</u> GPS/UTM <u>W52° 54.97' W 62° 35.57'</u> Plot # <u>0</u> x <u>4</u> Land Ownership <input checked="" type="checkbox"/> Crown <input type="checkbox"/> Private <input type="checkbox"/> I.B. (See Legend)					
Fuel	LEVEL				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-17 3	2-15 Dry Soil Reg. 2 3 1	6-110 Dry Soil Reg. 10 6 1	10-10 Dry Soil Reg. 12 8 4	>10 Dry Soil Reg. 15 10 5
2 Surface Fuel Continuity (% area)	<20 0	25-40 2	45-60 3	65-80 4	85-100 5
3 Vegetation Fuel Characteristics	Non-flammable, high moisture, low fuel availability (1)	Flammable, Deciduous (2)	Flammable, Conifer (3)	Flammable (4)	Highly flammable, evergreen, dense (5)
4 Fine Woody Debris Continuity (>1m) (% area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage < 10 cm deep 4	>25 coverage > 10 cm deep 5
5 Large Woody Debris Continuity (>1m) (% area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage not stacked 4	>25 coverage partially stacked 5
6 Use and Fuel Condition Crown Closure (%)	<20 1	20-40 2	40-60 3	60-80 4	>80 5
7 Use and Fuel Condition Crown Closure (%)	100 or >100 not flammable crown closure 1	60-80 2	40-60 3	20-40 4	<20 5
8 Use and Fuel Condition Crown Closure (%)	1-1 or <20 not flammable crown closure 1	1-1 2	2-12 3	1-12 4	1-12 5
9 Use and Fuel Condition and Standover (Crown) (%)	0-100 1	100 2	100-100 3	100-100 4	>100 5
10 Standover (% of structure and in-structure items)	Standing dead and snags 1-20 structure 1	Standing dead and snags 20-40 2	Standing dead and snags 40-60 3	Standing dead and snags 60-80 4	Standing dead and snags 80-100 5
11 Continuous Standover Cover within 20m (%)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5
Sub Total <u>69</u>					
Weather					
12 Average Wind Speed	All exposed 1	0-10, 10-15 2 1	15-20, 20-25 3 1	25-40, 40-50, 50-60 4 1	60-80 5
13 Average Wind Frequency for 1000 hr Year	0-10, 10-15, 15-20, 20-25 1	25-40, 40-50, 50-60 2	60-80, 80-90 3	90-100, 100-110, 110-120 4	120-150 5
Sub Total <u>15</u>					
Topography					
14 Aspect (>10% slope)	North 1	East 2	>10% slope 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less slope for north slopes 2	20-40 3	40-54 4	>55 5
16 Slope	Flat 1	Shallow 2	Steep terrain, minor fire risk 3	Concentric slope, deep burn or shallow burn 4	Concentric slope, deep burn 5
17 Landscape Topography Continuity in Wildfire Zone	< 1 ha forest stand 1	North and/or west aspects, continuous, wildfire spread restricted from South and/or West 2	West-facing terrain, broken topography, major aspect and slope changes, multiple wind directions in wildfire spread large water bodies 3	Facing terrain, minor water bodies, minimal aspect and slope changes, minor wind directions in wildfire spread 4	Continuous, consistent topography, no wind direction in wildfire spread 5
Sub Total <u>24</u>					
FUEL, WEATHER AND TOPOGRAPHY					
Sub Total <u>108</u>					
WILDLAND BEHAVIOR THREAT SCORE					
Structural					
18 Proximity of Structures/Community to Slope	No structures None within 20m 1	Bottom of slope, valley bottoms 2	Mid-slope level land, elevated valley, <10% slope 3	Mid-slope and peaks 4	Upper 1/3 of Slope 5
19 Type of Development	No structures None within 20m 1	Residential structures no buildings 2	Commercial structures with buildings 3	Industrial or 1 structure/ha 4	Intensive agriculture/ha 5
20 Proximity of Structure Area Relative to Slope	No structures None within 20m 1	None >100, 100-200 m 2	Partial >100, 200-500 m 3	Full/Facing >100, 500-1000 m 4	None >100, 1000-2000 m 5
Sub Total <u>34</u>					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE <u>142</u>					

*Based only if fuel cell score is < 20
**Based on structural component only of Wildfire Threat Behavior Score is > 50 for untreated subplots.

Wildfire Behavior Threat Class (check applicable class)

Low 0-40

Medium 41-65

High 66-100

Extreme >100

Wildland-Urban Interface Threat Class (check applicable class)

Low 0-11

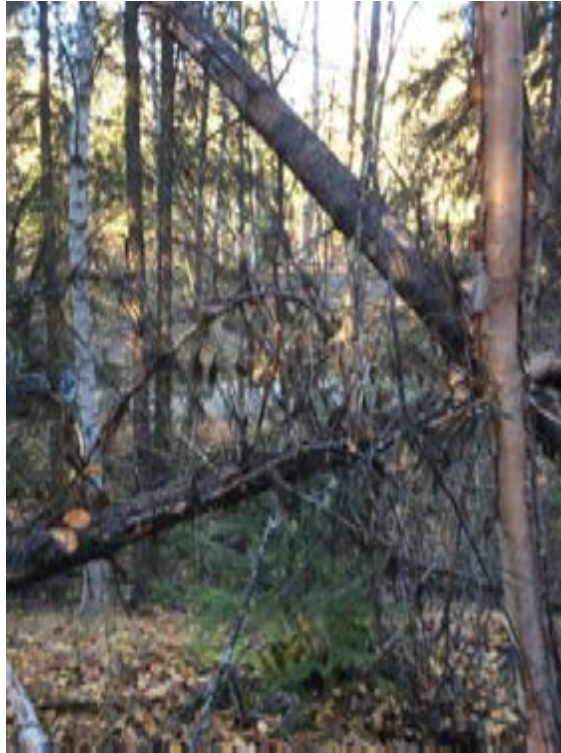
Medium 12-20

High 21-30

Extreme >30

GW-000001 January 24, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 2 Pictures



Picture 2-1 @ 360 degrees



Picture 2-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 3

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post-treatment

Parcel: 03 Community: Quesnel

Address: Bl. Morgan Geographic Address/Street Name: Marsh Road

Date: 2/2/17 UTM: N 52° 56' 74" W 122° 35.524'

Photos: 4 Land Ownership: Owner Private CR Other (specify)

Factor	LEVELS				
	A	B	C	D	E
1 Fuel Type and Moisture Regime (a)	1-12 1	1-13 Dry Fuel Wet 2 2 1	1-14 Dry Fuel Wet 2 2 2	15-20 Dry Fuel Wet 12 8 4	>20 Dry Fuel Wet 12 10 5
2 Surface Fuel Continuity (b area)	<10 0	20-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Wet. Herb. Impreg. Cop. Low Flammability Wood 1	Herb. Deciduous Conifer 2	Conifer, Conifer Decid. 3		Logbrush, Rock Spruce, Mountain Birch, Scotch Spruce 5
4 Fine Woody Debris Continuity (>1 inch) (b area)	<1 coverage 1	1-20 coverage 2	21-25 coverage 3	>25 coverage 4 10 cm deep 5	>25 coverage 6 18 cm deep 7
5 Large Woody Debris Continuity (>1 foot) (b area)	<1 coverage 1	1-20 coverage 2	21-25 coverage 3	>25 coverage 4 not stacked 5	>25 coverage 6 partially stacked 7
6 Live and Dead Conifer Crown Closure (%)	<20 1	21-40 2	41-60 3	61-80 4	81-100 5
7 Live Deciduous Crown Closure (%)	>40 or >40% continuous crown closure 1	41-60 2	61-80 3		<20 5
8 Live and Dead Conifer Crown Area (sq ft)	>4 or >20% conifer crown closure 1	1-1 2	2-1 3		<1 5
9 Live and Dead Conifer and Deciduous Canopy (area/ft)	>100 1		100-200 3	200-400 4	>400 5
10 Fuel Health (% of dominant and co-dominant trees)	Standing Dead and Fatty Trees < 1 1	Standing Dead and Fatty Trees 1-2 2	Standing Dead and Fatty Trees > 2-3 3	Standing Dead and Fatty Trees > 3-5 4	Standing Dead and Fatty Trees > 5 5
11 Continuous Forest Stock Cover within 200 ft	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5
Sub Total <u>60</u> / 100					

Weather	LEVELS				
	A	B	C	D	E
12 Moisture Deficit	40 Impreg 1	DM, DM, DM Dry Fuel Wet 2 1 1	DM, DM, DM Dry Fuel Wet 3 1 1	DM, DM, DM, DM, DM, DM, DM, DM Dry Fuel Wet 4 1 1 1 1 1 1 1	DM, DM 5
13 Relative Humidity (average 24 hours) (b area)	10, 41, 62, 84, 95, 96, 98, 99, 100 1	11, 64, 85, 86, 98, 99, 100 2	12, 13, 64, 85, 97, 98, 99 3	13, 14, 85, 86, 97, 98, 99, 100 4	87, 88, 89, 91 5
Sub Total <u>18</u> / 100					

Topography	LEVELS				
	A	B	C	D	E
14 Aspect (> 15% slope)	North 0	East 1	<10% slope, all aspects 2		South 5
15 Slope (%)		10-20 and flat with no back slopes 2	20-40 3	40-54 4	>55 5
16 Drain	Flat 1		Sloped terrain, some low wind areas 3	Consistent slope, long ridges or shallow gulches 4	Consistent slope, steep gulches 5
17 Landform (topographic prominence to wildfire spread)	< 5 ft no windward face 1	North and/or east aspects, relatively uniform, no windward face, and/or West 2	Non-uniform terrain, broken topography, regular aspect and slope changes, multiple windbreaks to wildfire spread, large water bodies 3	Sloping terrain, either water bodies, irregular aspect and slope changes, some windbreaks to wildfire spread 4	Consistent, continuous topography, no windbreaks to wildfire spread 5
Sub Total <u>16</u> / 100					

FUEL WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
18 Position of Structure/Continuity on Slope	No Structure Values within 1 km 0	Bottom of slope, valley bottom 1	Mid slope bottomland, elevated ridges, <10% slope 2	Mid slope continuous, steep 3	Slope 1/3 of Slope 5
19 Type of Development	No Structure Values within 1 km 0	Perimeter interface, no structures 1	Perimeter interface with structures 2	Interior > 1 structure/ha 3	Interior > 1 structure/ha with structures 5
20 Position of Structure Area Relative to Values	No Structure Values within 1 km 0	None >100 100-200 <200 m 1 10 20	100-200 >100 100-200 <200 m 1 10 20	Flat to hilly >100 100-200 <200 m 1 10 20	Below >100 100-200 <200 m 1 10 20
Sub Total <u>32</u> / 100					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORES 104 / 100

TOTAL WILDFIRE THREAT SCORES 136 / 100

Wildfire Behaviour Threat Class (if not applicable)

Low 0-40

Medium 41-60

High 61-80

Severe >80

Wildland Urban Interface Threat Class (if not applicable)

Low 0-10

Medium 11-20

High 21-30

Severe >30

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Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 3 Pictures



Picture 3-1 @ 90 degrees



Picture 3-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 4

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Project: Q4 Community: Quesnel

Address: 1234 Main St Geographic Location: Marathon, BC

Date: Dec 12/17 GPS: N 53° 56.545 W 122° 34.817

Parcel: 0 1 0 4 Land Ownership: Owners Private Other (Specify)

16m

Fuel	WILDFIRE				
	A	B	C	D	E
1 Staff Seed and Station Region (m)	1-12 1	2-11 Dry Seed Mat 2 1 1	3-10 Dry Seed Mat 1 2 1	10-20 Dry Seed Mat 12 8 4	>20 Dry Seed Mat 17 10 5
2 Surface Fuel Continuity (% cover)	>20 2	10-20 2	40-60 2	60-80 4	80-100 1
3 Vegetation Fuel Composition	Woods, Herb, Legume (Tree, Low Flammability) 1	Woods, Deciduous 2	Conifer, Conifer 2	Herb 1	Legume or Fuel Types, Average Rank 1-4 3
4 Fine Woody Debris Continuity (>10cm) (% cover)	<1 coverage 1	1-10 1	10-25 coverage 2	>25 coverage >10 cm deep 3	>25 coverage >10 cm deep 3
5 Large Woody Debris Continuity (>10cm) (% cover)	<1 coverage 1	1-10 1	10-25 coverage 2	>25 coverage not stacked 3	>25 coverage partly stacked 3
6 Live and Dead Coniferous Crown Closure (%)	>20 2	10-20 1	40-60 2	60-80 3	>80 3
7 Live Deciduous Crown Closure (%)	>40 or >40% not forest crown closure 2	40-60 2	40-60 2	60-80 3	>80 3
8 Live and Dead Coniferous Live Height (m)	3-10 >20% under crown closure 2	3-5 2	3-11 2	10-20 3	>20 3
9 Live and Dead Coniferous and Deciduous Canopy (cm/ft)	0-100 2	100-150 2	150-200 3	200-400 3	>400 3
10 Stand Health (% of dominant and co-dominant species)	Standing Dead and Fuel Load < 1 1	Standing Dead and Fuel Load 1-2 2	Standing Dead and Fuel Load >2-10 3	Standing Dead and Fuel Load >10-15 3	Standing Dead and Fuel Load >15 3
11 Continuous Forest Dead Cover within 20m (%)	0-25 1	25-40 2	40-60 2	60-80 3	>80 3

Weather	Sub Total				
	A	B	C	D	E
12 Atmospheric Zone	40, Unstable 1	200, 100, 40 Dry Seed Mat 2 1 1	100, 100, 100 Dry Seed Mat 2 1 1	100, 40, 100, 100, 40, 40 200, 100, 100, 100, 100, 100 3 1 1 1 1 1	100, 40 3
13 Humidity Relative (Average for 24hr for Zone)	65, 70, 80, 85, 90, 95 1	60, 65, 70, 75, 80, 85 2	50, 55, 60, 65 3	40, 45, 50, 55, 60 3	30, 35, 40, 45 3

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	>10% slope of aspect 3	West 3	South 3
15 Slope (%)	0-10 1	10-25 and steep slope 2	25-40 2	40-54 3	>50 3
16 Slope	Flat 1	10-25 2	Sloped terrain, when low wind direction 2	Consistent slope, steep down or shallow gullies 3	Consistent slope, steep gullies 3
17 Landcover Topographic Correlation to Wildfire Spread	< 10% isolated forest 1	North and/or east aspects dominant, wildfire spread with wind from South and/or West 2	North-south terrain, leading topography, regular aspect and slope changes, steep slope increases in wildfire spread 3	Rolling terrain, minor water bodies, moderate aspect and slope changes, minor increases in wildfire spread 3	Continuous, consistent topography, no variations in wildfire spread 3

FUEL, WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Position of Structures/Community on Slope	No Structures Within 2 km 1	Bottom of slope, valley bottom 2	Mid-slope (contours, stream/creek) 1/4 slope 3	Mid-slope (contours, >1/4 slope) 3	Slope 1/2 of slope 3
19 Type of Development	No Structures Within 2 km 1	Perimeter fences, no structures 2	Perimeter fences, with structures 3	Structures < 1 structure/ha 3	Structures < 1 structure/ha 3
20 Position of Development Area Relative to Values	No Structures Within 2 km 1	Below >100, 200, 300, < 200 ft 1 10 20	Below >100, 200, 300, < 200 ft 1 12 25	Flat/Rolling >100, 200, 300, < 200 ft 1 12 25	Below >100, 200, 300, < 200 ft 1 12 25

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE: **147 / 200**

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-65

High 66-140

Extreme >140

Wildland Urban Interface Threat Class (check applicable class)

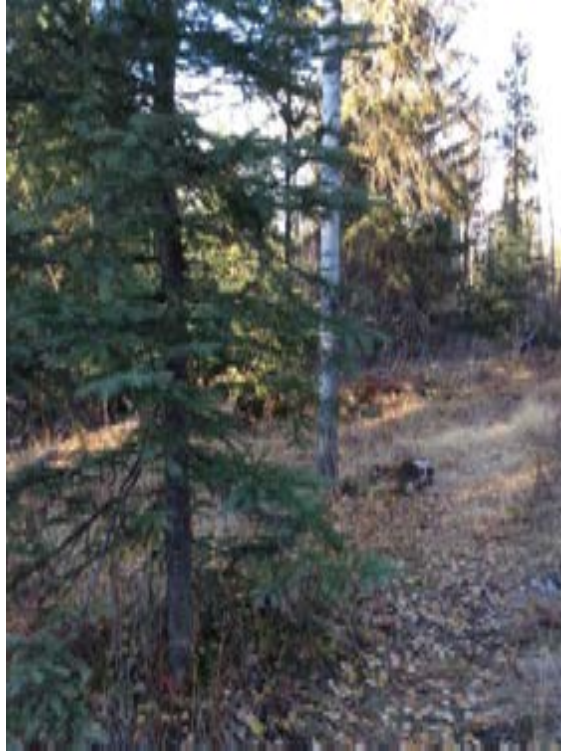
Low 0-10

Medium 11-24

High 25-39

Extreme >39

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 4 Pictures



Picture 4-1 @ 360 degrees



Picture 4-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 5

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No structures No structures

Plot #: Q5 Community: Quesnel
 Address: B. Morrow Geographic Location/Street Name: Peterborough - Mandel
 Date: Oct 22, 17 GPS UTM: W5251.051 W122 24.752
 Project: 08-14 Land Ownership: Owner Renter U.S. Other (specify)

UNBUILT					
Factor	A	B	C	D	E
1 Soil Depth and Moisture Regime (in)	1-12 3	13-17 Dry Soil Wet 2 2 1	18-20 Dry Soil Wet 3 2 2	21-25 Dry Soil Wet 12 8 4	>25 Dry Soil Wet 12 10 5
2 Surface Fuel Continuity (ft/line)	<10 0	10-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woods, herbs, <u>1</u> Thickets, low Flammable shrubs	Woods, Deciduous shrubs 2	Woods, Conifer shrubs 3	Prunus, Juniper 4	Logskull, Buckhorn, American Bramble, Saville Bramble 5
4 Fine Woody Debris Continuity (>1/8" (ft/line))	<10 1	10-20 2	21-25 3	>25 4	>25 5
5 Large Woody Debris Continuity (>1/4" (ft/line))	<10 1	10-20 2	21-25 3	>25 4	>25 5
6 Live and Dead Conifer Crown Closure (%)	<10 1	10-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>40 or >80% coniferous crown closure 0	41-60 1	61-80 2	81-90 3	>90 4
8 Live and Dead Conifer Crown Base Height (ft)	3+ or >20% conifer crown closure 0	3-2 1	2-1 2	1-0 3	<1 4
9 Live and Dead Squeamish and Sitka Spruce Continuity (ft/line)	0-100 0	101-150 1	151-200 2	201-400 3	>400 4
10 Fuel Health (% of abundant and/or dominant trees)	Standing Dead and Pencil Pines <1 <10 1	Standing Dead and Pencil Pines 1-21 2	Standing Dead and Pencil Pines 22-30 3	Standing Dead and Pencil Pines 31-75 4	Standing Dead and Pencil Pines >75 5
11 Continuous Forest/Dead Cover within 100 ft (ft)	0-20 0	21-40 1	41-60 2	61-80 3	>80 4
Sub Total <u>60</u> (111)					
12 Woodchuck Burrows	0-10 1	11-20 2	21-30 3	31-40 4	>40 5
13 Woodchuck Burrows by 100 ft (ft)	0-10 1	11-20 2	21-30 3	31-40 4	>40 5
Sub Total <u>15</u> (15)					
Topography					
14 Aspect (>15° slope)	North 0	East 1	<15° or West 2	West 3	South 4
15 Slope (%)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
16 Slope	Flat 1	Shallow 2	Steep terrain, near the road/streams 3	Excellent slope, steep bank in the fire path 4	Continued slope, steep gullies 5
17 Landscape Topographic Continuity to Wildfire Spread	<10 1	10-20 2	21-30 3	31-40 4	>40 5
Sub Total <u>21</u> (140)					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
18 Fuel Continuity	No structures within 200 ft 0	Bottom of slope, up to 100 ft 1	Mid-slope (contiguous), up to 100 ft 2	Mid-slope (contiguous), >100 ft 3	Upper 1/3 of slope 4
19 Fuel Continuity	No structures within 200 ft 0	Bottom of slope, up to 100 ft 1	Mid-slope (contiguous), up to 100 ft 2	Mid-slope (contiguous), >100 ft 3	Upper 1/3 of slope 4
20 Fuel Continuity	No structures within 200 ft 0	Bottom of slope, up to 100 ft 1	Mid-slope (contiguous), up to 100 ft 2	Mid-slope (contiguous), >100 ft 3	Upper 1/3 of slope 4
Sub Total <u>45</u> (140)					
TOTAL WILDFIRE THREAT SCORE <u>144</u> (140)					

Wildfire Behavior Threat Class (check applicable box)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-80	<input type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Last Updated January 24, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 5 Pictures



Picture 5-1 @ 360 degrees



Picture 5-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 6

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Not evaluated Not evaluated

Plot #: 06 Community: Quesnel

Address: B. Morrow Geographic Location/Street Name: Dalrymple / Morrow

Date: 08/22/17 GPS/UTM: N52° 57.079 W 122° 34.132

Phone: 0 8 8 4 Land Ownership: Crown Private Other (Specify):

Fuel	LWUE*				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	1-12 3	2-15 Dry Zone Wet 3 3 1	5-15 Dry Zone Wet 10 2	10-20 Dry Zone Wet 12 8 4	>20 Dry Zone Wet 15 12 5
2 Surface Fuel Continuity (M cover)	<20 0	20-40 2	40-60 3	60-80 4	>80 5
3 Population Fuel Composition	Stems, herbs, Impaired Legum. Low Decomposability Wood 1	Stems, Deciduous Shrubs 2	Stems, Conifer Shrubs 3	Stems 4	Leguminosae, Bark Paper, Arthropod Bark, Softwood 5
4 Fine Woody Debris Continuity (>=1cm) (M cover)	<10 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, < 10 cm deep 4	>25 coverage, > 10 cm deep 5
5 Large Woody Debris Continuity (>10cm) (M cover)	<1 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, well stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Conifer Crown Closure (%)	<20 2	20-40 3	40-60 4	60-80 5	>80 6
7 Live Deciduous Crown Closure (%)	>40 or <40% deciduous crown closure 0	40-60 2	60-80 3	80-100 4	>100 5
8 Live and Dead Conifer Base Height (m)	1+ or <20% conifer crown closure 0	1-5 1	2-12 2	1-12 3	>12 4
9 Live and Dead Suppressed and Understory Conifers (Cover %)	0-50 1	50-100 2	100-150 3	200-400 4	>400 5
10 Crown Health (% of dominant and co-dominant crown)	Standing Dead and Partly Dead > 10% 1	Standing Dead and Partly Dead > 20% 2	Standing Dead and Partly Dead > 30% 3	Standing Dead and Partly Dead > 40% 4	Standing Dead and Partly Dead > 50% 5
11 Continuous Forest/Dead Cover within 20m (%)	0-20 1	20-40 2	40-60 3	60-80 4	>80 5
Sub Total 62 / 100*					

Weather	LWUE*				
	A	B	C	D	E
12 Dependence on Wind	All required 1	One, 20-40 Dry Zone Wet 2 2 1	Two, 20-40 Dry Zone Wet 3 2 1	One, 40-60, 80-100, 100-150, 200-400, 400-1000, Dry Zone Wet 4 3 2 1	One, 80-100 5
13 Dominant Wind Frequency (by wind direction)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 1	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 2	03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 3	04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 4	05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 5
Sub Total 15 / 20					

Topography	LWUE*				
	A	B	C	D	E
14 Aspect (>20% slope)	North 0	East 1	<10% slope 2	West 3	South 4
15 Slope (%)	<10 1	10-20% that meet the best slope 2	20-40 3	40-60 4	>60 5
16 Drain	<2 1	2-10 2	10-20 3	20-40 4	>40 5
17 Landform/Topography Contribution to Wildfire Spread	<10 to isolated forest 1	North and/or east aspects dominant, with irregular wetland basin south and/or West 2	West-southwest, broken topography, irregular aspect and slope changes, multiple contributions to wildfire spread 3	Rolling terrain, minor water bodies, minor aspect and slope changes, minor contributions to wildfire spread 4	Continuous, consistent topography, No wetlands to wildfire spread 5
Sub Total 24 / 50					

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE READINESS TARGET SCORE					
Structural	LWUE*				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure, Slope within 2cm 0	Bottom of slope, no wetlands 1	Mid-slope structural, no wetlands 2	Mid-slope continuous, >10% slope 3	Open 1/3 of slope 4
19 Type of Development	No Structure, Slope within 2cm 0	Perimeter setbacks, no wetlands 1	Perimeter setbacks, with wetlands 2	Setbacks > 1 structure 3	Perimeter setbacks, with wetlands 4
20 Position of Structure Line Relative to Values	No Structure, Slope within 2cm 0	Below >100-200-300 >200m 1 10 20	Below >100-200-300 >200m 1 10 20	Flattening >100-200-300 >200m 1 10 20	Below >100-200-300 >200m 1 10 20
Sub Total 45 / 100					

*Based on fuel wetness (0-25)
**Based on structural components only if Wildfire Threat Behavior Score is >45 for untreated properties

Wildfire Behavior Threat Class (best applicable case)

Low 0-40

Medium 41-60

High 61-140

Extreme >140

Wildland Urban Interface Threat Class (best applicable case)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last Updated January 24, 2013

TOTAL WILDFIRE THREAT SCORE
146 / 200

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 6 Pictures



Picture 6-1 @ 360 degrees



Picture 6-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 7

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

File #: Q7 Community: Quesnel

Address: 8100 Main Geographic location/road name: Marsh Road

Date: Oct 22/17 GPS/UTM: N570 36.968 W122 33.909

Parcel: 0 4 Land Ownership: Public Private Other (specify)

LEVEL 1

Factor	A	B	C	D	E
1 Soil Depth and Moisture Regain (in)	1-12 1	2-12 Dry Soil Wet 2 1 1	3-18 Dry Soil Wet 3 4 2	18-28 Dry Soil Wet 12 4 4	>28 Dry Soil Wet 12 10 1
2 Surface Soil Conductivity (in/cm)	<10 0	20-40 2	41-60 1	61-80 4	>80 6
3 Vegetative Fuel Competition	None, Herb, 100% (100% cover, low flammability) (0)	Herb, 20-40% (2)	Open, 40-60% (3)	Shrub, 60-80% (4)	Shrub, 80-100% (5)
4 Fine Woody Debris Conductivity (in-foot) (in/cm)	<1 coverage 1	1-10 coverage <10 coverage 1	10-25 coverage 2	>25 coverage < 10 cm deep 3	>25 coverage > 10 cm deep 4
5 Large Woody Debris Conductivity (in-foot) (in/cm)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage not stacked 4	>25 coverage partially stacked 5
6 Live and Dead Canopies Crown Closure (%)	<10 0	20-40 1	41-60 2	61-80 3	>80 4
7 Live Canopies Crown Closure (%)	>40 or <10% crown closure 0	41-60 1	61-80 2	>80 3	>80 4
8 Live and Dead Canopy Crown Height (ft)	1-10 <20% canopy crown closure 0	11-20 1	21-30 2	31-40 3	>40 4
9 Live and Dead Supercanopy and Subcanopy Canopy (in/cm)	0-100 0	101-200 1	201-300 2	301-400 3	>400 4
10 Crown Health (% of deadwood and or diseased wood)	Standing Dead and Partly Dead < 10% 0	Standing Dead and Partly Dead 11-25% 1	Standing Dead and Partly Dead 26-50% 2	Standing Dead and Partly Dead 51-75% 3	Standing Dead and Partly Dead >75% 4
11 Canopies Crown Dead Wood Ratio (%)	0-25 0	26-40 1	41-60 2	61-80 3	>80 4
Sub Total 67/100					
Weather	A	B	C	D	E
12 Windiness (km/h)	0-10 mph 0	11-20 mph Dry Soil Wet 5 1 1	21-30 mph Dry Soil Wet 6 2 2	31-40 mph Dry Soil Wet 7 3 3	41-60 mph Dry Soil Wet 8 4 4
13 Humidity (Relative Humidity %)	65, 71, 82, 94, 95, 96, 98, 99, 100, 100 0	51, 64, 83, 95, 96, 98, 99, 100 1	47, 51, 64, 74 2	41, 45, 63, 73, 75, 81, 84, 94, 95, 96 3	40, 44, 62, 81 4
Sub Total 15/20					
Topography	A	B	C	D	E
14 Aspect (in 100 ft)	North 0	East 1	<10% West aspects 2	West 3	South 4
15 Slope (%)	0-10 0	11-25 and flat zone for both slopes 1	26-40 2	41-50 3	>50 4
16 Slope	Flat 0	1-10 1	Slight terrain, near level terrain 2	Consistent slope, steep slope in shallow gullies 3	Consistent slope, steep gullies 4
17 Landscape Topographic Continuity in Visible Span	< 5% no visible terrain 0	6-10% no visible terrain, with some restricted from South 1	11-15% no visible terrain, with some topographic relief 2	16-20% no visible terrain, with some topographic relief and slope changes, near topographic relief 3	21-25% no visible terrain, with some topographic relief and slope changes, near topographic relief 4
Sub Total 24/30					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR TARGET SCORE					
Structural	A	B	C	D	E
18 Proximity of Structures/Community on Slope	No Structures within 1 km 0	Bottom of slope, valley bottom 1	Mid slope (hatched), near top of slope 2	Mid slope continuous, > 1 km 3	Slope 1/3 of slope 4
19 Type of Development	No Structures within 1 km 0	Perimeter interface, no inclusions 1	Perimeter interface, with inclusions 2	Interior > 1 structure 3	Interior structure 4
20 Proximity of Development Area Relative to Slope	No Structures within 1 km 0	Along >100 200-500 <200 ft 1 10 20	Along >100 200-500 <200 ft 1 10 20	Flattening >100 200-500 <200 ft 1 10 20	Along >100 200-500 <200 ft 1 10 20
Sub Total 9/20					
TOTAL WILDFIRE THREAT SCORE					
101/140					

Threat only if fuel value is > 25

Based on Structural component only if Wildfire Threat Behaviour Score is > 40 for a structure/property.

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40
Moderate 41-60
High 61-80
Extreme >80

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10
Moderate 11-20
High 21-30
Extreme >30

Last Updated January 24, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 7 Pictures



Picture 7-1 @ 360 degrees



Picture 7-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 8

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment Not treated

Plot # 08 Community Quesnel
 Address 3333 Main St Geographic Location/Street Name Merch 2nd
 Title 04/22/17 GPS/UTM N52° 2.5' 28" W 122° 53.241"
 Plot # 1 4 Land Ownership Crown Private C.R. Other (specify)

Fuel	LEVELS				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	1-12 1	13-15 Dry (low Wet) 1 1 1	16-18 Wet (low Wet) 1 2 2	19-22 Dry (low Wet) 1 2 4	>23 Dry (low Wet) 1 2 5
2 Surface Fuel Continuity (% cover)	<10 1	10-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woods, herbs, irrigated crops, low flammability weeds 1	Herbs, Deciduous shrubs 2	Shrubs, Conifer trees 3	Shrubs 4	Logsnags, Subshrubs, Average shrubs, Conifer shrubs 5
4 Fine Woody Debris Continuity (>1m) (% cover)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (>1m) (% cover)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<10 1	10-20 2	21-40 3	41-60 4	>60 5
7 Live and Dead Deciduous Crown Closure (%)	>80 or <80% deciduous crown closure 1	10-80 2	41-60 3	20-40 4	>40 5
8 Live and Dead Coniferous Live Height (m)	>30 or <20% conifer crown closure 1	2-10 2	10-20 3	1-10 4	<1 5
9 Live and Dead Suppression and Exclusionary Canopy (Density/Ft)	0-500 1	501-1000 2	1000-2000 3	2001-4000 4	>4000 5
10 Forest Health (% of dominant and co-dominant trees)	Standing dead and partly dead >10% 1	Standing dead and partly dead 1-25% 2	Standing dead and partly dead >25-50% 3	Standing dead and partly dead >50-75% 4	Standing dead and partly dead >75-100% 5
11 Continuous Forest/Dead Cover within 10m (%)	0-25 1	26-40 2	41-60 3	61-80 4	>80 5
Sub total <u>15/30</u>					
Weather					
12 Representative Day	KT, irregular 1	KT, 120-180 Dry (low Wet) 1 1 1	KT, 180-250 Dry (low Wet) 1 2 2	KT, 250-300 Dry (low Wet) 1 2 3	KT, 300-400 Dry (low Wet) 1 2 4
13 Relative Humidity (Average by 1000 ft Cover)	65, 71, 82, 84, 85, 86, 88, 93, 95, 96, 97 1	60, 64, 65, 66, 66, 67, 68, 69 2	67, 70, 74, 74, 75, 76, 76 3	67, 68, 69, 72, 73, 75, 84, 84, 87, 87 4	67, 68, 69, 71 5
Sub total <u>15/30</u>					
Topography					
14 Aspect (>10% slope)	North 1	10-20 2	<10% slope of aspect 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and max slope for forest types 2	20-40 3	40-54 4	>55 5
16 Slope	Flat 1	10-20 2	Stepped slopes, minor low relief slopes 3	Continued slope, steep slopes or shallow gulches 4	Continued slope, steep gulches 5
17 Conditions Topographic Continuity to Wildfire Spread	<10% low relief 1	North and/or east aspects, distributed, with or open, restricted from South and West 2	Westward-sloping, broken topography, major aspect and ridge changes, multiple obstructions to wildfire spread, large water bodies 3	North-sloping, minor water bodies, minimal aspect and slope changes, minor obstructions to wildfire spread 4	Continued, consistent topography, no obstructions to wildfire spread 5
Sub total <u>15/30</u>					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE HAZARD THREAT SCORE					
Structural					
18 Proximity of Structures/Community on Slope	No structures within 2 km 1	Bottom of slope, valley bottom 2	Mid slope, ridge, peak, or top of slope 3	Mid-slope continuous, >10% slope 4	Slope 1/2 of slope 5
19 Type of Development	No structures within 2 km 1	Residential interface, no subdivisions 2	Residential interface, with subdivisions 3	Interface >1 structure per 1 km ² 4	Interface >1 structure per 0.5 km ² 5
20 Proximity of Equipment and Structures to Slope	No structures within 2 km 1	Above >500, 200-500 <200 ft 1 10 20	Sublet >500, 200-500 <200 ft 1 10 20	Flattening >500, 200-500 <200 ft 1 10 20	Below >500, 200-500 <200 ft 1 10 20
Sub total <u>45/60</u>					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE <u>142/210</u>					

**Percent only if fuel wet total is >25.

**Proximity to Structural components only of Wildfire Threat Behaviour Score is >50 for untreated polygons.

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-11

Medium 12-26

High 27-39

Extreme >39

Last updated: January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 8 Pictures



Picture 8-1 @ 360 degrees



Picture 8-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 9

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel # 029 Community Quesnel No treatment Post treatment

Address 8 Morrow Geographic location/road name Morrow Rd

Date Oct 24/17 UPLV# NS2 S. 665 W1220 32.175' 691m

Home # 0 # 4 Land Ownership Crown Private CA Other (specify)

Fuel	LEVELS				
	A	B	C	D	E
1 Fuel Load and Structure Proximity (LW)	1-12 2	13-20 Dry Grass Mat 5 10 1	21-30 Dry Grass Mat 10 6 2	31-40 Dry Grass Mat 12 8 4	>40 Dry Grass Mat 15 10 2
2 Surface Fuel Continuity (LW cont)	<20 0	20-40 2	41-60 2	61-80 4	>80 10 1
3 Vegetation Fuel Composition	Woods, Herb, Shrubby (LW), Low Fueling (LW) Woods 1	Woods, Shrubby (LW) 2	Woods, Low Fueling (LW) 3	Woods, Shrub 4	Woods, Shrub, Shrub (LW), Shrub (LW) 5
4 Fine Woody Debris Continuity (LW) (LW cont)	10-20 coverage 1	20-40 coverage 5	40-60 coverage 2	>60 coverage < 10m deep 10	>80 coverage > 10m deep 15
5 Large Woody Debris Continuity (LW) (LW cont)	10-20 coverage 1	20-40 coverage 2	40-60 coverage 3	>60 coverage not assessed 7	>80 coverage partly assessed 12
6 Low and Dead Condition Crown Closure (%)	<20 2	20-40 5	41-60 10 1	61-80 15	>80 20
7 Low and Dead Condition Crown Closure (%)	>40 or <40% condition crown closure 2	41-60 2	61-80 3	81-100 4	>100 10 1
8 Low and Dead Condition Crown Closure (LW)	>= or <20% condition crown closure 1	2-10 2	11-15 2	16-20 3	>20 10 1
9 Low and Dead Vegetation and Understorey Condition (LW) (LW)	0-500 2	501-1000 3	1001-2000 4	2001-4000 5	>4000 10
10 Stand Health (% of dominant and co-dominant trees)	Standing Dead and Partly Dead < 5 or <20 canopy 0	Standing Dead and Partly Dead 5-10 1	Standing Dead and Partly Dead >10-20 2	Standing Dead and Partly Dead >20-75 3	Standing Dead and Partly Dead >75-100 4
11 Continuous Forest/Stand cover within 100m (LW)	0-20 0	21-40 1	41-60 2	61-80 3	>80 4
Sub Total 150					

Weather	LEVELS				
	A	B	C	D	E
12 Dependence Zone	All regulated 0	10% 120-400 Dry Grass Mat 5 3 1	10% 150-750 Dry Grass Mat 10 6 2	10% 800-2000 10% 10-15 1000-2000 Dry Grass Mat 15 10 5	10% 2000 15
13 Historical Weather Occurrence by Wind (LW)	02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15 0	01, 06, 07, 09, 11, 12, 13, 14, 15 1	07, 02, 04, 08, 09, 10, 11, 12, 13, 14, 15 2	03, 04, 05, 07, 08, 09, 10, 11, 12, 13, 14, 15 3	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 4
Sub Total 150					

Topography	LEVELS				
	A	B	C	D	E
14 Aspect (LW) aspect	North 0	East 1	<10% slope of aspect 10	West 12	South 15
15 Slope (%)	<10 1	10-20 and less than 10% slope 2	20-40 10	40-60 12	>60 15
16 Bench	Flat 1	No bench 0	Minor bench, minimal wind shadow 1	Consistent slope, deep shadow in places 2	Consistent slope, deep gullies 3
17 Landscape Topographic Continuity to Adjoining Areas	< 5% no uniform forest 1	North and/or east aspect dominates, wildfire spread restricted from South and/or West 2	Discontinuous terrain, broken topography, minimal aspect and slope changes, multiple wind directions to wildfire spread 3	Acting terrain, minor water features, minimal aspect and slope changes, minor wind directions to wildfire spread 4	Continuous, consistent topography, no wind direction to wildfire spread 5
Sub Total 105					

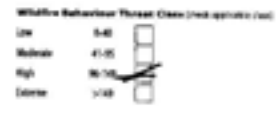
FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structures/ Community on Slope	No Structures Below within 2 km 0	Bottom of slope, valley bottom 5	Mid-slope benchland, elevated on 10% slope 10	Mid-slope continuous, > 10% slope 12	Slope 10% of slope 15
19 Type of Development	No Structures Below within 2 km 0	Permitted interface, no inclusions 5	Permitted interface, with inclusions 10	Interface > 1 structure 15	Interface of structures 20
20 Position of Assessment Area Relative to Slope	No Structures Below within 2 km 0	Above >100 200-500 <200m 1 10 20	Below >100 200-500 <200m 1 10 20	Flat/Rolling >100 200-500 <200m 1 10 20	Below >100 200-500 <200m 1 10 20
Sub Total 105					

** Based only on Fuel sub total to 25

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **150**

WILDFIRE BEHAVIOUR THREAT SCORE **105**

TOTAL WILDFIRE THREAT SCORE **150**



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 9 Pictures



Picture 9-1 @ 360 degrees



Picture 9-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 10

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment Not treated

Plot #: Q10 Community: Quesnel

Address: B. Marlow Geographic location/Street Name: Meryl Rd

Date: 8/2/2015 GPS/ID: NS2 56.515 11720 32140

Form: 1 Land Ownership: Crown Private U.S. Other (specify)

Fuel	SEVERE				
	A	B	C	D	E
1 Leaf Litter and Surface Fuel (t)	1-12 1	13-17 Dry Leaf Wet 2 3 1	18-20 Dry Leaf Wet 12 14 1	21-24 Dry Leaf Wet 12 14 1	>25 Dry Leaf Wet 12 14 1
2 Surface Fuel Continuity (t/area)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetative Fuel Composition	None, herbs, <u>1</u> Highly flammable Fuel (e.g., grasses)	Herbs, Deciduous Shrubs 1	Conifers, Conifer Shrubs 1	Prognosis, Juniper 4	Sagebrush, Rudbeckia, Strawberry Bush, Scrub Birch 5
4 Fine Woody Debris Continuity (>1cm) (t/area)	<1 coverage 1	1 coverage, <10 coverage 1	10-25 coverage 2	>25 coverage, < 12 cm deep 10	>25 coverage, > 12 cm deep 10
5 Large Woody Debris Continuity (>1cm) (t/area)	<1 coverage 1	1 coverage, <10 coverage 2	10-25 coverage 3	> 25 coverage, not stacked 7	>25 coverage, partially stacked 10
6 Live and Dead Condition Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live and Dead Condition Crown Closure (%)	>40 or >40% of live crown closure 2	41-60 2	61-80 3	81-80 4	>80 5
8 Live and Dead Condition Live Height (m)	2+ or >20% under crown closure 3	2-1 3	2-1 3	2-1 3	<1 10
9 Live and Dead Suppression and Standability Condition (standability)	0-100 1	101-200 2	201-300 3	301-400 4	>400 5
10 Stand Health (% of dominant and co-dominant stems)	Standing Dead and Partly Dead < 1 or < 10% 1	Standing Dead and Partly Dead 1-20 2	Standing Dead and Partly Dead >20-50 3	Standing Dead and Partly Dead >50-75 4	Standing Dead and Partly Dead >75 5
11 Continuous Forest/Stand Cover within 100m (t)	0-20 0	21-40 1	41-60 2	61-80 3	>80 4
Sub Total 61 / 150*					

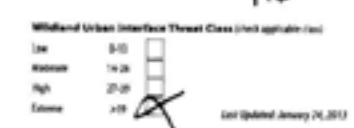
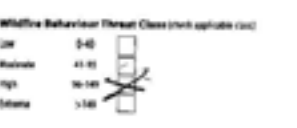
Weather	SEVERE				
	A	B	C	D	E
12 Dependability Data	At irregular 1	CR, CR, CR Dry Leaf Wet 2 3 1	CR, CR, CR Dry Leaf Wet 12 14 1	CR, CR, CR Dry Leaf Wet 12 14 1	CR, CR, CR Dry Leaf Wet 12 14 1
13 Annual Wildfire Frequency by 1000m (t/area)	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1
Sub Total 15 / 100					

Topography	SEVERE				
	A	B	C	D	E
14 Aspect (>10% slope)	South 0	East 1	<10% aspect 1	West 10	North 10
15 Slope (%)	0 1	10-20 slope for fuel types 1	20-44 10	45-64 10	>65 10
16 Slope	Flat 1	1 1	Steep terrain, near low wind areas 3	Exposed slope, dry forest or shallow peat 7	Concave slope, deep peat 10
17 Landscape Topography (variation in wildfire spread)	< 1% horizontal forest 1	North and/or west aspects dominant, wildfire spread restricted from South and/or West 2	Heterogeneous terrain, broken topography, regular aspect and slope changes, multiple vegetation in wildfire control large water bodies 3	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor vegetation in wildfire control 10	Concave, continuous topography No restriction in wildfire spread 10
Sub Total 24 / 100					

FUEL, WEATHER AND TOPOGRAPHY	WILDLAND URBAN INTERFACE THREAT SCORE				
	A	B	C	D	E
18 Position of Structure Community on Slope	No Structures within 1 km 0	Bottom of slope, valley bottom 0	Mid-slope (inclined), stepped 10	Mid-slope continuous, > 10% slope 12	Slope 1/3 of Slope 10
19 Type of Development	No Structures within 1 km 0	Residential interface, No Structures 0	Residential interface, with structures 10	Interface + 1 Structure/ha 3	Interface + 2 Structure/ha 10
20 Position of Structure Area Relative to Slope	No Structures within 1 km 0	Slope >100-200-300-400m 1 10 20	Slope >100-200-300-400m 1 10 20	Flat/rolling >100-200-300-400m 1 10 20	Slope >100-200-300-400m 1 10 20
Sub Total 45 / 100					

*Based only on fuel sub-total score
**Based on Structure Component only if Wildfire Threat Subtotal Score is >10 for untreated polygons.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE
TOTAL WILDFIRE THREAT SCORE **115 / 250**



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 10 Pictures



Picture 10-1 @ 360 degrees



Picture 10-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 11

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Parcel: Q11 Comments: Quesnel
 Address: B. Morgan Geographical Location/Street Name: Rockwell Rd
 Date: 2/23/17 GPS/UTM: N52 56 513 W 12W 33.5471
 Parcel: 1 Land Ownership: Crown Private U.S. Other (specify)

Fuel	SEVERITY				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (in)	1-12 1	1-15 Dry Soil Wet 2 1	1-18 Moist Wet 3 1	18-24 Dry Soil Wet 12 8 4	>24 Dry Soil Wet 10 10 1
2 Surface Fuel Continuity (in area)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetative Fuel Composition	Herb. Forbs, Annual/Grass, Low Flammability Index 1	Herb. Deciduous Shrubs 2	Grass, Conifer Shrubs 3	Forest 4	Conifer, Deciduous, Resinous Shrub, Succulent Shrub 5
4 Fine Woody Debris Continuity (1-100) (% area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage < 10 cm deep 4	>25 coverage > 10 cm deep 5
5 Large Woody Debris Continuity (1-100) (% area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage not elevated 4	>25 coverage partially elevated 5
6 Live and Dead Conifer Crown Closure (%)	<10 1	11-20 2	21-40 3	41-60 4	>60 5
7 Live Deciduous Crown Closure (%)	>40 or >40% conifer crown closure 1	21-30 2	31-40 3	41-50 4	>50 5
8 Live and Dead Conifer Above Height (in)	1-1 or <20% conifer crown closure 1	1-10 2	1-12 3	1-12 4	<1 5
9 Live and Dead Conifer and Deciduous Canopy Closure (in area)	0-50 1	51-100 2	101-200 3	201-400 4	>400 5
10 Fuel Moisture (% of maximum and in abundance class)	Standing Fuel and Partly Dried 1-1 or <20% fuel 1	Standing Fuel and Partly Dried 2-22 2	Standing Fuel and Partly Dried 23-30 3	Standing Fuel and Partly Dried 31-71 4	Standing Fuel and Partly Dried >71 5
11 Continuous Fuels/Dead Fuel within Area (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total <u>51</u> /100*					
Weather					
12 Wind Speed (mi/hr)	All exposed 1	0-5, 10-15 Dry Soil Wet 2 1	15-20, 20-25 Dry Soil Wet 3 2	25-45, 50-60, 60-80 Dry Soil Wet 4 3 2	45-60 5
13 Relative Humidity (in Area)	65, 67, 62, 64, 65, 66, 63, 61, 62, 63, 67 1	62, 64, 65, 64, 66, 67, 61, 68 2	67, 71, 64, 64 3	61, 65, 62, 63, 65, 64, 64, 62, 62 4	67, 64, 62, 67 5
Sub Total <u>15</u> /10					
Topography					
14 Aspect (in Area)	South 1	East 2	<10% aspects 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less slope for North aspect 2	20-44 3	45-64 4	>65 5
16 Soils	1 1	Soils 2	Erged terrain, minor soil erosion 3	Erged terrain, deep erosion or shallow gullies 4	Coniferous, deep gullies 5
17 Landscape Topographic Conditions in Visible Area	< 1 ha isolated forest 1	North and/or east aspects dominant, with other aspect not used from South and/or West 2	Dissected terrain, broken topography, major aspect and slope changes, multiple microclimates in within special large open location 3	Rolling terrain, minor water features, minimal aspect and slope changes, minor microclimates in within special location 4	Continuous, dissected topography, no microclimates in within special location 5
Sub Total <u>10</u> /10					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
Structural					
18 Proximity of Structures/Community on Slope	No Structures Within 2 km 0	Bottom of slope, valley bottom 1	Mid slope, hillside, stepped slope 2	Mid slope, hillside, >10% slope 3	Slope 1/3 of Slope 4
19 Type of Development	No Structures Within 2 km 0	Perimeter interface, no inclusions 1	Perimeter interface, with inclusions 2	Inclusion 1 structure 3	Inclusion 1 structure 4
20 Proximity of Appointed Area Relative to Slope	No Structures Within 2 km 0	Below >100, 200-250 <200 ft 1 10 20	Below >100, 200-250 <200 ft 1 10 20	Flattening >200, 250-500 <200 ft 1 10 20	Below >100, 250-500 <200 ft 1 10 20
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE <u>126</u> TOTAL WILDFIRE THREAT SCORE <u>126</u> /240**					

Q11

**Based on 1/3 fuel risk total (x25)
 **Proximity to Structure Component only of Wildfire Threat Behavior Score is x10 for unimproved properties.

Wildfire Behavior Threat Class (used applicable fuel)

Low	0-40	<input type="checkbox"/>
Medium	41-65	<input checked="" type="checkbox"/>
High	66-140	<input type="checkbox"/>
Extreme	>140	<input type="checkbox"/>

Wildland Urban Interface Threat Class (used applicable fuel)

Low	0-10	<input type="checkbox"/>
Medium	14-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 11 Pictures



Picture 11-1 @ 360 degrees



Picture 11-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 12

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In treatment Not treated

Plot: Q12 Community: Quesnel

Assessor: B. Morrow Geographic location/Street Name: Rockwell Rd

Date: Oct 23/17 GPS/UTM: N52 86.517 W120 37.802

Phone: 844 444 444 Land Ownership: Crown Private U.S. (Other specify)

Q12

Point	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12 3	2-15 Dry Soil Wet 2 2 1	3-18 Dry Soil Wet 10 10 10	10-20 Dry Soil Wet 12 8 4	>20 Dry Soil Wet 10 10 3
2 Surface Fuel Continuity (M cover)	<10 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Herb, Herb, Invasive Grass, Low Fuel-loading Wood	Herb, Deciduous Shrubs	Loam, Conifer Shrubs	Herb, 4	Logskunk, Burchnap, Average Shrub, Small Trees
4 Fine Woody Debris Continuity (>1cm) (% cover)	<1 coverage 1	Scattered, <10 coverage 1	10-20 coverage 7	>20 coverage, <10 cm long 12	>20 coverage, >10 cm long 15
5 Large Woody Debris Continuity (>1cm) (% cover)	<1 coverage 1	Scattered, <10 coverage 1	10-20 coverage 7	>20 coverage, not stacked 7	>20 coverage, partially stacked 10
6 Live and Dead Fuelwood Crown Closure (%)	<20 2	21-40 3	41-60 4	61-80 5	>80 6
7 Live Fuelwood Crown Closure (%)	>80 or >80% continuous crown closure 6	61-80 5	41-60 4	21-60 3	<20 2
8 Live and Dead Fuelwood Crown Area Height (m)	2 or < 2.0% under crown closure 2	3-5 3	2-12 2	10 3	>15 4
9 Live and Dead Fuelwood and Shrubbery Fuelwood (Crown, Fuel)	5-100 2	101-1000 3	1001-10000 4	10001-40000 5	>40000 6
10 Fuel Load (% of dominant and co-dominant stems)	Standing Dead and Puffy Stems <1 or <10 stems/ha 1	Standing Dead and Puffy Stems 1-25 2	Standing Dead and Puffy Stems >25-50 3	Standing Dead and Puffy Stems >50 - 75 4	Standing Dead and Puffy Stems >75 5
11 Continuous Fuelwood Cover within 20m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Sub Total **68 / 100**

Weather	A	B	C	D	E
12 Average Annual Snow	0, Insignificant 1	1-99, 120-180 Dry Snow Wet 2 2 1	100, 180, 250 Dry Snow Wet 10 10 10	250-500, 500-1000 Wet, Dry Snow Wet 15 10 5	>1000 10
13 Relative Humidity (Average by 4000m Area)	45, 47, 49, 54, 55, 56, 57, 61, 62, 63, 67 1	61, 66, 69, 66, 66, 67, 68, 68 2	67, 67, 68, 64, 64, 67, 67, 68 3	67, 65, 63, 63, 63, 65, 66, 64, 67, 62 4	67, 64, 63, 67 5

Sub Total **15 / 20**

Topography	A	B	C	D	E
14 Aspect (1-17% slope)	North 1	East 2	<100% (steep) or south 3	West 4	South 5
15 Slope (%)	0 1	10-24 and max slope for North aspect 2	25-40 3	41-54 4	>55 5
16 Slope	0 1	Rolling 2	Stepped terrain, minor low relief areas 3	Consistent slope, steep down or shallow gulch 4	Consistent slope, steep gulch 5
17 Landscape Topographic Conditions in Wildfire Spread	< 1 for isolated forest 1	North and/or east aspect, continuous, will be spread restricted from South and/or West 2	Mountainous terrain, broken topography, major aspect and slope changes, multiple main stems in wildfire spread 3	Rolling terrain, minor water bodies, horizontal aspect and slope changes, minor main stems in wildfire spread 4	Continuous, consistent topography, horizontal aspect in wildfire spread 5

Sub Total **11 / 20**

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE

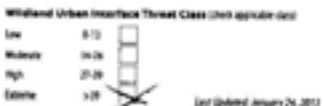
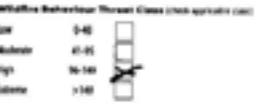
Structural	A	B	C	D	E
18 Proximity of Structures/Community on Slope	No Structures Within 2 km 1	Bottom of slope, no buildings 2	Mid-slope level land, wooded area, 10% slope 3	Mid-slope continuous, >10% slope 4	Slope 10% of slope 5
19 Type of Development	No Structures Within 2 km 1	Petroleum interface, no buildings 2	Petroleum interface, with buildings 3	Interface > 1 structure/ha 4	Interface > 2 structures/ha 5
20 Proximity of Structure Area Relative to Values	No Structures Within 2 km 1	Above >100, 200-500 <200m 1 10 20	Below >100, 200-500 <200m 1 10 20	Flat/Rolling >500, 200-100 <200m 1 12 21	Below >100, 200-500 <200m 1 15 20

**Based only if Fuel sub total is < 20

Based on Structural component only if Wildfire Threat Behavior Score is < 40 for structural category.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **45 / 100**

TOTAL WILDFIRE THREAT SCORE **124 / 200**



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 12 Pictures



Picture 12-1 @ 360 degrees



Picture 12-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 13

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
Parcel: Q13	Community: Quesnel				
Address: B. Marmo	Geographic Location/Street Name: Rackwell Rd				
Date: Oct 2017	GPS/UTM: N52 8 492 W112 32103				
Parcel: 4	Land Ownership: <input checked="" type="checkbox"/> Crown <input type="checkbox"/> Private <input type="checkbox"/> Other (specify)				
FUELS					
Fuel	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	0-12 1	13-15 Dry Grass/Wood 2 1 1	16-18 Dry Shrubland 12 1 1	19-20 Dry Grass/Wood 12 8 4	>20 Dry Grass/Wood 12 16 1
2 Fuel Bulk Density (kg/m ³)	<120 6	20-40 2	40-60 3	60-80 4	>80 5
3 Vegetation Fuel Characteristics	Wet, Herb, Irregular Layer, Low Fuel Moisture 1	Wet, Deciduous Shrub 2	Wet, Conifer Shrub 3	Wet, Conifer 4	Wet, Conifer, Shrub, Deciduous Shrub, Fuel Moisture 5
4 Fine Woody Debris Cover (kg/m ²) (N used)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage 4	>100 coverage 5
5 Large Woody Debris Cover (kg/m ²) (N used)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage 4	>100 coverage 5
6 Live and Dead Conifer Crown Cover (m ²)	<20 1	20-40 2	40-60 3	60-80 4	>80 5
7 Live Deciduous Crown Cover (m ²)	>80 or >60% 1	60-80 2	40-60 3	20-60 4	<20 5
8 Live and Dead Conifer Crown Area (m ²)	0 or <20% 1	20-40 2	40-60 3	60-80 4	>80 5
9 Live and Dead Supplemental Conifer Crown (m ²)	0-200 1	200-1000 2	1000-2000 3	2000-5000 4	>5000 5
10 Fuel Moisture (% of aboveground and available water)	Standing Dead and Partly Dead 1	Standing Dead and Partly Dead 2	Standing Dead and Partly Dead 3	Standing Dead and Partly Dead 4	Standing Dead and Partly Dead 5
11 Continuous Forest Stand Cover within 30m (m ²)	0-20 1	20-40 2	40-60 3	60-80 4	>80 5
Sub Total					75 /EEP
WINDFLOW					
Windflow	A	B	C	D	E
12 Exposure Class	0, Irregular 1	20% or less 2	40% or less 3	60% or less 4	80% or less 5
13 Exposure Class (by 100m line)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 2	41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60 3	61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80 4	81, 82, 83, 84, 85, 86, 87, 88, 89, 90 5
Sub Total					15 /EP
TOPOGRAPHY					
Topography	A	B	C	D	E
14 Aspect (°/10° slope)	North 1	East 2	<10% 3	West 4	South 5
15 Slope (m)	<10 1	10-20 2	20-40 3	40-60 4	>60 5
16 Terrain	Flat 1	Rolling 2	Sloped terrain, minor fire retardant 3	Gradient slope, deep ditches or shallow gulches 4	Convex slope, deep gullies 5
17 Landform/Topographic Position in Wildfire Zone	< 1% topographic relief 1	North and/or west aspect, wetter, sheltered from winds 2	Mountainous terrain, sudden topographic, regular aspect and slope changes, multiple ridges to wet fire spread 3	Rolling terrain, minor water bodies, irregular aspect and slope changes, minor ridges to wet fire spread 4	Convex, canyons, topographic wet fire spread 5
Sub Total					20 /EP
FUEL, WEATHER AND TOPOGRAPHY					
					Sub Total
					112 /EEP
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
Structural	A	B	C	D	E
18 Number of Structures/Community at Risk	No Structures 0	Bottom of slope, valley bottom 1	Mid slope (steep, level, or moderate slope) 2	Mid slope (moderate, >10% slope) 3	Slope 1:1 of slope 4
19 Size of Development	No Structures 0	Residential, no schools 1	Residential, with schools 2	Industrial or 1 structure 3	Industrial or 2 structures 4
20 Number of Structures Area Within 100m	No Structures 0	None 1	1-100 2	100-200 3	200-500 4
Sub Total					32 /EP
TOTAL WILDFIRE THREAT SCORE					144 /EEP

Q13

Wildfire Behavior Threat Class (check applicable class)
 Low 0-40
 Moderate 41-60
 High 61-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable class)
 Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Jan 2018/2019 January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 13 Pictures



Picture 13-1 @ 360 degrees



Picture 13-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
 Wildfire Threat Assessment Worksheet 14

WILDLAND-URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Name: Q14 Community: Quesnel
 Address: B. Morrow Geographic Location/Block Name: Pinnacles Park
 Date: Oct 23/17 GPS/UTM: N52 58.36 W112 33.765
 Project: 4 Land Ownership: Owner Lease U.S. Other (Specify)

Q14

Fuel	APRISK				
	A	B	C	D	E
1 Soft Dead and Wet/Dry Fuels (LW)	1-12 3	13-40 10	41-110 18 4 2	111-200 12 8 4	>200 15 10 5
2 Surface Fuel Continuity (FW cont)	<10 8	10-40 2	41-60 1	61-80 4	>80 1
3 Vegetative Fuel Characteristics	Moist, Herb, High/Low, Low (Flammability) (Wet)	Moist, Herb, Low (Flammability) (Wet)	Low, Center (Wet)	Prognosis, Juniper	Logskrub, Bark/Progn, Storage Bark, South (Wet)
4 Fine Woody Debris Continuity (>1m) (FW cont)	<1 coverage 1	1-100% 1	10-25 coverage 1	>25 coverage, < 10 cm deep 10	>25 coverage, > 10 cm deep 15
5 Large Woody Debris Continuity (>1m) (FW cont)	<1 coverage 1	1-100% 1	10-25 coverage 1	> 25 coverage, not elevated 2	>25 coverage, partially elevated 10
6 Live and Dead Canopies (LW cont) (%)	<20 2	20-40 5	41-60 10	61-80 15	>80 18
7 Live Canopies (LW cont) (%)	>40 or <10% use lowest score above	40-60 2	61-80 2	80-90 4	>90 1
8 Live and Dead Canopy Cover Area Height (LW)	>1 m <20% canopy cover/height	2-1 1	2-1.5 2		<1 11
9 Live and Dead Suppressed and Understorey Canopies (LW cont)	>100 1	101-100 1		200-400 20	>400 30
10 Fuel Health (% of abundant and co-abundant stems)	Standing Dead and Partially Dead < 10% 1	Standing Dead and Partially Dead 1-25 1	Standing Dead and Partially Dead >25-50 1	Standing Dead and Partially Dead >50-75 1	Standing Dead and Partially Dead >75 1
11 Continuous Forest Dead Cover within 1km (FW)	0-20 1	21-40 1	41-60 1	>60 1	>80 1

Sub Total 61 /FWP

Weather	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
12 Atmospheric Zone	IC, Inverted 1	CWS, CR, WS Dry Area Wet 2 2 1	KX, HS, ED Dry Area Wet 2 2 2	CR, WS, WS, CR, CR, CR, CR WWS, WS, Dry Area Wet 15 12 5	HS, WS 15
13 Structural Weather Exposure (by WWS) (W cont)	15, 11, 11, 14, 15, 15, 15, 15, 15, 17 1	17, 14, 15, 16, 16, 17, 18, 18 1	17, 15, 16, 16, 17, 17 1	15, 15, 15, 12, 15, 15, 16, 16, 17, 17 10	11, 14, 12, 11 15

Sub Total 15 /W

Topography	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 1	<10% slope all aspects 10	West 12	South 15
15 Slope (%)	0 1	10-20 and near east for North slopes 1	30-40 10	40-54 12	>55 15
16 Drain	0 1	Nothing 1	Shaded basins, near low or all drain 1	Concave slope, steep drain or shallow gully 2	Concave slope, deep gully 10
17 Landscape Topography (Relative to Wildfire Spread)	> 1 ha isolated forest 1	North and/or east aspects dominant, wildfire spread restricted from South and/or West 2	Nonconform terrain, broken topography, regular aspect and slope changes, multiple ridges and/or wildfire spread large water bodies 2	North facing basins, minor water bodies, minimal aspect and slope changes, active ridges and/or water bodies 10	Continuous, consistent topography, no ridges or water bodies 15

Sub Total 27 /W

Structural	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structures/Community on Slope	No Structures Within 100m, 2 km 1	Bottom of slope, valley bottom 1	Mid-slope/steep, elevated 10	Mid-slope and crest, > 10% slope 12	Open 1/3 of Slope 15
19 Type of Development	No Structures Within 100m, 2 km 1	Fire prone interface, no inclusions 1	Fire prone interface, with inclusions 5	Inert > 1 structure/ha 8	Inert < 1 structure/ha 10
20 Position of Structure Area Relative to Road	No Structures Within 1 km 1	Above >100 100 - 200 m 1 10 20	Central >100 100 - 200 m 1 10 25	Top/Ridge >100 100 - 200 m 1 10 25	Below >100 100 - 200 m 1 10 30

Sub Total 21 /W

WILDLAND-URBAN INTERFACE WILDFIRE THREAT SCORE 21 /W
TOTAL WILDFIRE THREAT SCORE 119 /FWP

Wildfire Behaviour Threat Class (check applicable line)
 Low 0-40
 Moderate 41-55
 High 56-100
 Extreme >100

Wildland-Urban Interface Threat Class (check applicable line)
 Low 0-10
 Moderate 14-26
 High 27-39
 Extreme >39

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 14 Pictures



Picture 14-1 @ 360 degrees



Picture 14-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 15

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Parcel: Q15 Community: Quesnel
 Address: B. Marston Geographic Location/Street Name: Pinnacles Park
 Date: Oct 23/17 APN/ID: NSZ 59,011 W122 33,736
 Name: Q15 Land Use: Other Forest I.R. Other (specify)

Fuel	LEVEL				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12 3	2-15 Dry Soil Wet 5 2 1	5-12 Dry Soil Wet 10 4 2	10-20 Dry Soil Wet 12 4 4	1-20 Dry Soil Wet 15 10 5
2 Surface Fuel Continuity (N score)	<10 0	10-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Woods, Herb, Irregular Clump, Low Flammability Wood 1	Shrubland 2	Grass, Grass-Trees 3	Prograss, Juniper 4	Openwood, Acacia, Hebe, Manzanita, Shrub, Grass 5
4 Fine Woody Debris Continuity (1-10m) (N score)	<10 coverage 1	10-20 coverage 2	20-25 coverage 3	>25 coverage 4	>25 coverage 5
5 Large Woody Debris Continuity (1-10m) (N score)	<10 coverage 1	Scattered, <10 coverage 2	10-20 coverage 3	>20 coverage, not stacked 4	>20 coverage, partially stacked 5
6 Live and Dead Fuelwood Crown Closure (%)	25 1	26-40 2	41-60 3	61-80 4	>80 5
7 Live Fuelwood Crown Closure (%)	>40 or <20% irregular crown closure 1	41-60 2	61-80 3	20-40 4	20-40 5
8 Live and Dead Fuelwood Base Height (m)	2+ or <20% under crown closure 1	0-2 2	2-12 3	12-20 4	>20 5
9 Live and Dead Fuelwood and Detritus Continuity (m/m/ha)	1-100 1	101-1000 2	1001-2000 3	2001-4000 4	>4000 5
10 Fuel Health (% of dominant and co-dominant species)	Standing Fuel and Fuel 1-2 1	Standing Fuel and Fuel 3-5 2	Standing Fuel and Fuel 6-10 3	Standing Fuel and Fuel 11-15 4	Standing Fuel and Fuel 16-20 5
11 Continuous Layered Fuel Cover within 10m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 51 / 133*					
Weather					
12 Dependence on Wind	All exposed 1	Only 1/2 are Dry Soil Wet 5 2 1	1/4, 1/2, 3/4 Dry Soil Wet 10 4 2	1/4, 1/2, 3/4, 1/2 Dry Soil Wet 15 10 5	1/4, 1/2, 3/4, 1/2 Dry Soil Wet 15 10 5
13 Potential Weather Exposure (by 100m for fuel)	01, 01, 01, 01, 01, 01 1	01, 01, 01, 01 2	01, 01, 01, 01 3	01, 01, 01, 01, 01 4	01, 01, 01, 01, 01 5
Sub Total 15 / 30					
Topography					
14 Aspect (in 10m slope)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (%)	0-10 1	10-20 2	20-30 3	40-50 4	>50 5
16 Terrain	Flat 1	Rolling 2	Steep terrain, minor level areas 3	Steep terrain, deep ditches or shallow gullies 4	Level terrain, deep gullies 5
17 Landscape Topographic Orientation in Wildfire Spread	< 1 ha includes level 1	North and/or east aspect dominate, wildfire spread restricted from South and/or West 2	West and/or east aspect dominate, wildfire spread restricted from South and/or West 3	Rolling terrain, minor level areas, wildfire spread restricted from South and/or West 4	Continuous, consistent topography No restriction to wildfire spread 5
Sub Total 20 / 30					
FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORES					
Structural	A	B	C	D	E
18 Position of Structures/Community on Slope	No Structures Within 1.5m 0	Bottom of slope, not by bottom 1	Mid slope, not level, stepped or 1/2% slope 2	Mid slope, continuous, > 1% slope 3	Open 1/2 of slope 4
19 Size of Development	No Structures Within 1.5m 0	Structure 100-200, no inclines 1	Structure 200-500, with inclines 2	Increase > 1 Structure 3	Increase > 2 Structure 4
20 Position of Structure Area Relative to Terrain	No Structures Within 1.5m 0	Above >50-100-100 <200 m 1 10 20	Level >200-250-250 <200 m 1 10 20	Flat/Rolling >200-250-250 <200 m 1 10 20	Below >500-250-250 <200 m 1 10 20
Sub Total 46 / 133					

Q15

*Based only on fuel sub-total = 25
 **Based on Structural Component only if Wildfire Threat Behaviour Score is < 10 for untreated properties.

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40
 Moderate 41-60
 High 61-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Oct Updated January 24, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 15 Pictures



Picture 15-1 @ 90 degrees



Picture 15-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 16

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In-habitant Not Inhabitant

Parcel: C16 Community: Quesnel

Address: 5 Morrow Geographic location/Street name: Boyer Rd

Date: Oct 23/17 GPS/UBA: NS2 59.124 Within 74,442

Number: 2 Land Use/owner: Crown Private I.E. Other (specify)

C16

Point	LEVEL				
	A	B	C	D	E
1 Leaf Depth and Wetness Index (LW)	1-2	3-4	5-10	10-20	>20
2 Surface Soil Conductivity (% ions)	<20	20-40	40-60	60-80	>80
3 Vegetation Fuel Composition	Min. Herb. Injunct. Grass, Low Herbaceous Stems	Herb. Deciduous Shrubs	Grass, Conifer Stems	Prognosis, Juniper	Deciduous, Rose Hips, Storage Bush, Scotch Broom
4 Fine Woody Debris Conductivity (% ions) (1% ions)	<1 coverage	1-20 coverage	10-20 coverage	>20 coverage < 10 cm deep	>20 coverage > 10 cm deep
5 Large Woody Debris Conductivity (% ions) (1% ions)	<1 coverage	<10 coverage	10-20 coverage	>20 coverage not elevated	>20 coverage partially elevated
6 Live and Dead Coniferous Crown Closure (%)	<10	10-20	40-60	60-80	>80
7 Live Deciduous Crown Closure (%)	>40 or >40% non-fire crown closure	40-60	40-60	20-40	<20
8 Live and Dead Coniferous Above Height (%)	5+ or >20% under crown closure	1-5	1-10	10	>10
9 Live and Dead Suppressed and Subterminal Conifer (%)	0-100	100-1000	1000-2000	2000-4000	>4000
10 Aerial Fuel (% of stand and on-dispersed stems)	Standing Dead and Partly Dead < 1	Standing Dead and Partly Dead 1-20	Standing Dead and Partly Dead >20-50	Standing Dead and Partly Dead >50-75	Standing Dead and Partly Dead >75
11 Continuous Crown/Dead Crown within 20m (%)	0-20	20-40	40-60	60-80	>80

Weather	Sub Total				
	A	B	C	D	E
12 Degree/Frost Day	All Injunct	0-4, 0-4, 0-4 Dry Snow/Wet	0-4, 0-4, 0-4 Dry Snow/Wet	0-4, 0-4, 0-4, 0-4, 0-4 Dry Snow/Wet	0-4, 0-4, 0-4, 0-4, 0-4, 0-4
13 Absolute Relative Humidity (2m Wet Day)	01, 01, 02, 04, 06, 08, 09, 10, 10, 10, 10, 11	01, 04, 05, 04, 06, 07, 08, 09	07, 05, 04, 04, 07, 08, 09	03, 03, 03, 03, 03, 03, 04, 04, 04, 04, 04, 04	01, 04, 02, 01

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North	East	<10% slope, 0° aspect	West	South
15 Slope (%)	0-10	10-20 and near zero for North slopes	10-40	40-60	>60
16 Slope	0-10	Rolling	Sloped terrain, minor fire risk areas	Continuous slope, steep slopes or shallow gullies	Continuous slope, deep gullies
17 Landforms/Topographic Orientation to wildfire spread	< 1% fire related forest	North and/or east aspects continuous, wildfire spread north-east from South and/or West	Mountainous terrain, broken topography, major aspect and slope changes, multiple orientations to wildfire spread large north-facing	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor orientations to wildfire spread	Continuous, continuous topography, No orientation to wildfire spread

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structures Near within 1 km	Edge of slope, safety barriers	Mid-slope/crest, around 1/2 of slope	Mid-slope crest/mid, >1/2 slope	Upper 1/2 of slope
19 Type of Development	No Structures Values within 1 km	Particular fire-risk, no structures	Particular fire-risk, with structures	Structure in 1 structure fire	Structure in 1 structure fire
20 Position of Contained Area Relative to Values	No Structures Values within 1 km	Above >100, 200-500 < 200 m	Below >100, 200-500 < 200 m	Flattening >100, 200-500 < 200 m	Below >100, 200-500 < 200 m

*Based only if that sub total > 25
 **Based on structure component only if wildfire threat behaviour score > 10 for unattended properties

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 16 Pictures



Picture 16-1 @ 360 degrees



Picture 16-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 17

Q17

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
Plot #	Q17	Community	Quesnel	<input checked="" type="checkbox"/> No treatment	<input type="checkbox"/> Not treated
Address	B. Mannu	Geographic Location/Street Name	Saka Rd		
Date	02/23/17	SPU/OTM	NS259-046	Winn 34.42	
Photos	4	Land Ownership	<input checked="" type="checkbox"/> Crown <input type="checkbox"/> Private <input type="checkbox"/> U.S. <input type="checkbox"/> Other (Specify)		
URBAN					
Panel	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	1-12 1	1-15 Dry Fuel Wet 2 3 1	1-15 Dry Fuel Wet 2 3 1	10-20 Dry Fuel Wet 2 3 1	>20 Dry Fuel Wet 2 3 1
2 Surface Fuel Continuity (m cover)	<10 1	10-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woods, Herb, Irregular Crown, Low Fuel/High Wind	Herb, Deciduous Shrub	Shrub, Conifer Shrub	Shrub	Shrub, Conifer, Deciduous Shrub, Conifer Shrub
4 Fine Woody Debris Continuity (1-10m) (m cover)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, < 50 cm deep 4	>25 coverage, > 50 cm deep 5
5 Large Woody Debris Continuity (1-10m) (m cover)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	> 25 coverage, not elevated 4	>25 coverage, partially elevated 5
6 Live and Dead Coniferous Crown Closure (%)	<20 1	21-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>60 or >40% coniferous crown closure 1	41-60 2	61-80 3	20-40 4	<20 5
8 Live and Dead Conifer Crown Area Weight (%)	1 or <20% conifer crown closure 1	21-40 2	41-60 3	61-80 4	>80 5
9 Live and Dead Deciduous and Herbaceous Crown Area Weight (%)	0-100 1	101-150 2	151-200 3	201-400 4	>400 5
10 Crown Health (% of dominant and co-dominant canopy)	Standing Dead and Partly Dead < 5% 1	Standing Dead and Partly Dead 5-15% 2	Standing Dead and Partly Dead >15-30% 3	Standing Dead and Partly Dead >30-75% 4	Standing Dead and Partly Dead >75% 5
11 Continuous Forest/Stand Cover within 100 m (%)	0-20 1	21-40 2	41-60 3	>60 4	>80 5
Sub Total 50 / 100*					
Weather					
12 Dependable Snow	At irregular 1	100-120 days Dry Fuel Wet 2 3 1	121-140 days Dry Fuel Wet 2 3 1	141-160 days, 100-600 h of snow 200-300 - Dry Fuel Wet 2 3 1	161-60 5
13 Absence of Middle Drought (by Wild Fire Index)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 1	18, 19, 20, 21, 22, 23, 24 2	25, 26, 27, 28, 29, 30, 31, 32, 33, 34 3	41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54 4	61, 62, 63, 64 5
Sub Total 15 / 10					
Topography					
14 Aspect (1-100 degree)	North 1	East 2	<10 degree aspects 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and more severe for North Slopes 2	20-40 3	40-74 4	>75 5
16 Drain	10 1	5 2	2 3	1 4	0 5
17 Leaky/Sloping Conditions to Wildfire Spread	< 1% local level 1	North and/or east aspects, continuous, or fire spread restricted from South and/or West 2	West-facing terrain, broken topography, major aspect and slope changes, multiple water flows to wildfire spread, large water bodies 3	North-facing, major water bodies, minor aspect and slope changes, major water flows to wildfire spread 4	Continuous, continuous topography, no water flows to wildfire spread 5
Sub Total 10 / 10					
FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
Structural	A	B	C	D	E
18 Position of Structure/ Community on Slope	No Structure Below within 1 km 1	Bottom of slope, safety features 2	Mid slope/steep slope, structure 3	Mid slope and below, >10% slope 4	Steep 1/3 of slope 5
19 Size of Development	No Structure Below within 1 km 1	Perimeter interface, no inclusions 2	Perimeter interface, with inclusions 3	Interior > 1 structure 4	Interior > 2 structures 5
20 Proximity of Structure to Inlet	No Structure Below within 1 km 1	None >100-200-400 m 1 2 3 4 5	>200-400-200 m 1 2 3 4 5	Not Rating >100-200-400 m 1 2 3 4 5	Below >100-200-400 m 1 2 3 4 5
TOTAL WILDFIRE THREAT SCORE 111 / 100					

*Percent only if total > 25

**Percent by Structural component only if Wildfire Threat Behavior score is > 45 for structural polygons.

Wildfire Behavior Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-12

Medium 13-24

High 25-39

Extreme >39

Last Updated January 10, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 17 Pictures



Picture 17-1 @ 360 degrees



Picture 17-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 18

Q18

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No structure Sub-structure

Field: Q18 Community: Quesnel

Owner: CPM/MSA Geographic Location/Street Name: Claymore Trails

Date: Oct 23/17 GPS/UTM: N52 02.714 W122 36.225

Phase: Q 1 2 3 4 Land Ownership: Crown Private I.R. Other (specify):

Point	WUIRULE				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	5-12 2	2-4.5 Dry Grass 2 2	5-12 Dry Grass 12 8 2	10-20 Dry Grass 12 8 4	5-20 Dry Grass 12 10 5
2 Surface Fuel Continuity (M area)	<12 2	20-40 2	41-60 2	61-80 4	81-100 1
3 Vegetation Fuel Composition	Woods, Herb, Invasive Clump, Low Flammability Wood 1	Herb, Invasive Clump 2 2	Lawn, Cedar Trees 3	Prunus, Juniper 4	Deepwood, Buckhorn, Average Wood, Small Trees 5
4 Fine Wood Debris Continuity (>=10cm) (M area)	<1 coverage 1	1 coverage 2	10-25 coverage 2	>25 coverage > 10 cm deep 3	>25 coverage > 10 cm deep 5
5 Large Wood Debris Continuity (>=10cm) (M area)	<1 coverage 1	1 coverage 2	10-25 coverage 2	>25 coverage not assessed 3	>25 coverage partially assessed 5
6 Live and Dead Coniferous Crown Closure (%)	<10 2	10-20 3	41-60 3	61-80 4	81-100 5
7 Live Deciduous Crown Closure (%)	>40 or >40% coniferous crown closure 2	21-30 2	41-60 2	61-80 3	81-100 4
8 Live and Dead Coniferous Crown Height (m)	5+ or >20% coniferous crown closure 2	5-5 3	2-12 3	13-20 4	>21 5
9 Live and Dead Suppression and Shading Canopy (deciduous) (%)	5-100 2	101-1000 3	1001-2000 3	2001-5000 4	>5000 5
10 Fuel Load (M of deadwood and or dominant stems)	Standing Dead and Fuel Load <1 M ² /ha 2	Standing Dead and Fuel Load 1-25 M ² /ha 3	Standing Dead and Fuel Load >25-50 M ² /ha 4	Standing Dead and Fuel Load >50-75 M ² /ha 5	Standing Dead and Fuel Load >75 M ² /ha 6
11 Continuous Forest Stock Cover within 50m (%)	0-20 2	21-40 2	41-60 3	61-80 4	81-100 5

Sub Total: 61 / 100

Weather	WUIRULE				
	A	B	C	D	E
12 Wind Speed (km/h)	0-10 1	11-20 2	21-30 3	31-40 4	41-50 5
13 Humidity (Relative Humidity) (M ² /ha)	0-10 1	11-20 2	21-30 3	31-40 4	41-50 5

Sub Total: 15 / 100

Topography	WUIRULE				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (%)	<10 2	10-20 and less than for North slopes 3	20-40 4	40-60 5	>60 6
16 Drain	0 1	Noting 2	Sloped terrain, Water in catchment 3	Constant slope, dry stream or shallow path 4	Constant slope deep path 5
17 Landowner Topographic Indicators in Wildfire Zone	<10% to isolated forest and 1	North and/or east aspects dominant, wildfire spread restricted from North and/or West 2	Northwest terrain, better topography, regular aspect and/or changes, fire spread restricted to wildfire spread 3	Rolling terrain, more water table, irregular aspect and slope changes, more restricted to wildfire spread 4	Constant, consistent topography, no restriction to wildfire spread 5

Sub Total: 17 / 100

Structure	WUIRULE				
	A	B	C	D	E
18 Proximity of Structures/Community on Slope	No structures within 2 km 1	Bottom of slope within 2 km 2	Mid slope within 2 km 3	Mid slope continuous, >10% slope 4	Slope 10% of slope 5
19 Type of Development	No structures within 2 km 1	Perimeter interface residential 2	Perimeter interface with business 3	Interior > 1 structure/ha 4	Interior < 1 structure/ha 5
20 Proximity of Structures to Water	No structures within 2 km 1	More >100-200-100-100m 1 10 20 2	Less >100-200-100-100m 1 10 20 3	Highly flammable >100-200-100-100m 1 10 20 4	None >100-200-100-100m 1 10 20 5

Sub Total: 43 / 100

TOTAL WILDFIRE THREAT SCORE: 126

Wildfire Behaviour Threat Class (check applicable row)

Low	0-40	<input type="checkbox"/>
Moderate	41-60	<input checked="" type="checkbox"/>
High	61-80	<input type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable row)

Low	0-10	<input type="checkbox"/>
Moderate	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 18 Pictures



Picture 18-1 @ 360 degrees



Picture 18-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 19

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Rank: Q19 Community: Quesnel

Address: By Marrow Geographic Location/Street Name: Paradise Rd

Date: 2/27/17 GPS/ID: NS3 03.451 WIND 35.446

Parcel: 0 8 4 Land Use/Type: Open Trade I.R. Other (specify)

Q19

URBANS					
Point	A	B	C	D	E
1 Duff Depth and Moisture Regime (in)	1-12 1	2-15 Dry Area Wet 2 3 1	3-18 Dry Area Wet 3 4 2	19-25 Dry Area Wet 4 5 4	>25 Dry Area Wet 5 6 3
2 Surface Fuel Continuity (% cover)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woody, herb, <u>integrated low</u> Flammable 1	Herb, Deciduous Shrubs 2	Woody, Larder Shrubs 3	Prognosis, Aspen 4	Supernat, Resprouting, Storage Bark, Succul. Shrub 5
4 Fine Woody Debris Continuity (% Fuel) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, < 10 cm deep 4	>25 coverage, > 10 cm deep 5
5 Large Woody Debris Continuity (% Fuel) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>80 or >40% continuous crown closure 1	41-60 2	41-60 3	20-40 4	<20 5
8 Live and Dead Conifer Live Height (m)	3+ or <20% of live crown closure 1	3-5 2	3-12 3	>12 4	<1 5
9 Live and Dead Supplemental and Understorey Closure (observed)	0-20 1	20-40 2	41-60 3	61-80 4	>80 5
10 Average Height (% of Stand and or dominant trees)	Standing Dead and Partly Dead <1 1	Standing Dead and Partly Dead 2-25 2	Standing Dead and Partly Dead >25-75 3	Standing Dead and Partly Dead >75-95 4	Standing Dead and Partly Dead >95 5
11 Continuous Heavy Dead Cover within 10m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total <u>64</u> / 100					

Weather	A	B	C	D	E
12 Drought/Soil Dmo	HC, irrigated 1	DM, 100-800 Dry Area Wet 2 3 1	DM, 801-1000 Dry Area Wet 3 4 2	DM, 1001-1500 DM, 1001-1500 Dry Area Wet 4 5 4	DM, 1501-2000 5
13 Windward Weather Exposure (by wind direction)	E, SE, S, SE, S, SE, SE, SE, SE, SE, SE, SE 1	SE, SE, SE, SE, SE, SE, SE, SE 2	SE, SE, SE, SE, SE, SE, SE, SE 3	SE, SE, SE, SE, SE, SE, SE, SE, SE, SE 4	SE, SE, SE, SE, SE, SE, SE, SE 5
Sub Total <u>13</u> / 50					

Topography	A	B	C	D	E
14 Aspect (>15% slope)	North 1	East 2	<15% slope of aspect 3	West 4	South 5
15 Slope (%)	0 1	16-24 and near zero for most slopes 2	25-44 3	45-54 4	>55 5
16 Slope	Flat 1	0-20 2	21-40 3	Convex slope, steep down or shallow gullies 4	Concave slope, steep gullies 5
17 Landscape Topographic Continuity to adjacent parcel	<1% no isolated broad slopes 1	North and/or east aspects continuous, within ground level (not from south and/or west) 2	Westward trends, broken topography, irregular aspect and slope changes, multiple microclimates to wildfire spread 3	Irregular slopes, minor water features, minimal aspect and slope changes, minor microclimates wildfire spread 4	Continuous, irregular topography No microclimates to wildfire spread 5
Sub Total <u>14</u> / 100					

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE					
Structural	A	B	C	D	E
18 Position of Structures/ Community on Slope	No Structures within 1 km 1	Bottom of slope, valley bottom 2	Mid slope (top/bottom), elevated or in 3	Mid slope (top/bottom), >15% slope 4	Open 1/3 of slope 5
19 Type of Development	No Structures within 1 km 1	Detached houses, no outbuildings 2	Detached houses, with outbuildings 3	Attached or 1 structure 4	Multiple structures 5
20 Position of Assessment Area Relative to Water	No Structures within 1 km 1	400m >100-200-100 <100 m 1 2 3	500m >100-200-100 <100 m 1 2 3	Fluctuating >100-200-100 <100 m 1 2 3	Below >100-200-100 <100 m 1 2 3
Sub Total <u>15</u> / 100					

Wildland Urban Interface Wildfire Threat Score: 65 / 100
TOTAL WILDFIRE THREAT SCORE: 93 / 200

Wildfire Behaviour Threat Class (check applicable row)

Low 0-40

Medium 41-60

High 61-100

Catastrophic >100

Wildland Urban Interface Threat Class (check applicable row)

Low 0-10

Medium 11-20

High 21-30

Catastrophic >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 19 Pictures



Picture 19-1 @ 360 degrees



Picture 19-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 20

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

Parcel: Q20 Community: Quesnel

Address: 6 Morris Geographic location/Street Name: Paradise Rd

Date: 08/29/17 GPS/UTM: N57 05.490 W120 36.718

Photos: 1 2 3 4 Land Use: Forest Shrub L.R. Other (specify)

Q20

Parcel	A	B	C	D	E
1. Buff Depth and Moisture Regime (in)	1-12 1	13-24 2	25-36 3	37-48 4	49-72 5
2. Surface Fuel Continuity (% cover)	<10 1	11-20 2	21-30 3	31-40 4	41-50 5
3. Vegetation Fuel Composition	Wet, Herb, Invasive Legum, Low Surface Fuels 1	Wet, Deciduous Shrub 2	Urban, Lush Shrub 3	Progress, Juniper 4	Deciduous, Birch, Spruce, Average Shrub, Loose Shrub 5
4. Fine Woody Debris Continuity (>1/4" (in cover))	<1 coverage 1	1-10 coverage 2	11-20 coverage 3	21-30 coverage 4	31-40 coverage 5
5. Large Woody Debris Continuity (>1/4" (in cover))	<1 coverage 1	1-10 coverage 2	11-20 coverage 3	21-30 coverage 4	31-40 coverage 5
6. Live and Dead Coniferous Crown Closure (%)	<20 1	21-40 2	41-60 3	61-80 4	81-100 5
7. Live Deciduous Crown Closure (%)	>40 or >40% can be seen 1	41-60 2	61-80 3	81-100 4	>100 5
8. Live and Dead Coniferous Crown Height (ft)	1-10 1	11-20 2	21-30 3	31-40 4	41-50 5
9. Live and Dead Suppressed and Subdominant Canopy (density)	0-10 1	11-20 2	21-30 3	31-40 4	41-50 5
10. Aerial Health (% of dominant and co-dominant crown)	Standing Dead and Partly Dead < 1 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead 26-50 3	Standing Dead and Partly Dead 51-75 4	Standing Dead and Partly Dead >75 5
11. Continuous Threat Dead Crown within 100m (ft)	0-25 1	26-50 2	51-75 3	76-100 4	>100 5
Sub Total: <u>41</u> /100					

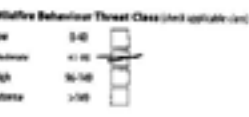
Weather	A	B	C	D	E
12. Average Wind Zone	0-10 mph 1	11-20 mph 2	21-30 mph 3	31-40 mph 4	41-50 mph 5
13. Relative Humidity (RH) (in Zone)	61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71 1	62, 63, 64, 65, 66, 67, 68, 69, 70 2	63, 64, 65, 66, 67, 68, 69 3	64, 65, 66, 67, 68, 69, 70 4	65, 66, 67, 68, 69, 70 5
Sub Total: <u>15</u> /100					

Topography	A	B	C	D	E
14. Aspect (>10% slope)	North 1	East 2	>10% West aspect 3	West 4	South 5
15. Slope (%)	0-5 1	6-10 2	11-15 3	16-20 4	21-25 5
16. Soils	1 1	2 2	3 3	4 4	5 5
17. Landform/Topography Contribution to Wildfire Spread	<1 (no exposed forest) 1	North and/or west aspects contribute wildfire spread (wind-blown from South and/or West) 2	Westerly terrain, broken topography, natural aspect and slope changes, multiple obstructions to wind-blown fuel sources 3	Westerly terrain, broken topography, natural aspect and slope changes, minor obstructions to wind-blown fuel sources 4	Continuous, consistent topography, no obstructions to wildfire spread 5
Sub Total: <u>19</u> /100					

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Position of Structure/Continuity on Slope	No Structure 1	Bottom of slope, safety features 2	Mid-slope, windward, chimney, etc. 3	Mid-slope, windward, >10% slope 4	Upper 1/3 of Slope 5
19. Type of Development	No Structure 1	Residential low rise, no features 2	Residential low rise, with features 3	Medium to 1 structure/ha 4	Medium to 1 structure/ha 5
20. Position of Structure Area Relative to Forest	No Structure 1	Close 2	Open 3	Far/Isolated 4	Remote 5
Sub Total: <u>29</u> /100					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 89 /100

TOTAL WILDFIRE THREAT SCORE 100 /100



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 20 Pictures



Picture 20-1 @ 360 degrees



Picture 20-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 21

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessment Post-assessment

Plot #: Q21 Community: Quesnel
 Address: B. Marston Geographic Location/Street Name: Albert
 Date: Oct 23/17 Province: NSW 68633 W122 32.108
 Plot No: 1 Land Use/Type: Open Private Other (Specify):

Q21

Point	LITERA				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	1-2 5	3-15 Dry forest 5 3 1	16-30 Dry forest 10 5 1	31-45 Dry forest 12 8 4	>45 Dry forest 12 10 5
2 Surface Fuel Continuity (0-100%)	<20 0	25-40 2	41-60 3	61-80 4	>80 5
3 Vegetative Fuel Composition	Woods, herbs, Impaired Trees, Low (Including many herbs)	Open, Grassy (2-3)	Open, Grassy (2-3)	Open, Grassy (2-3)	Open, Grassy, Shrubland, Scrubland, South-facing
4 Fine Woody Debris Continuity (>10cm) (0-100%)	<1 coverage 1	Surface, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (>7cm) (0-100%)	<1 coverage 1	Surface, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Continuous Crown Closure (%)	<10 1	25-40 2	41-60 3	61-80 4	>80 5
7 Live Continuous Crown Closure (%)	>40 or >40% continuous crown closure 2	41-60 2	>60 3	61-80 4	>80 5
8 Live and Dead Quarter Crown Base Height (m)	5m or >20% quarter crown base height 1	3-5 2	2-12 3	1-12 4	<1 5
9 Live and Dead Suppressed and Subordinate Canopy (0-100%)	<10 1	10-20 2	20-30 3	30-40 4	>40 5
10 Asset Health (% of dominant and/or dominant crown)	Standing Dead and Partially Dead < 10% 1	Standing Dead and Partially Dead 1-25 2	Standing Dead and Partially Dead >25-50 3	Standing Dead and Partially Dead >50-75 4	Standing Dead and Partially Dead >75 5
11 Continuous Forest Dead Crown within 10m (%)	0-25 1	26-40 2	41-60 3	>60 4	>80 5
Sub Total 35 /100*					
Weather					
12 Dependence Zone	40-100 1	100, 100-400 Dry forest 5 3 1	100, 100, 100 Dry forest 10 5 1	100, 100, 100, 100 Dry forest 10 10 5 1	100, 100 10
13 Structural Weather Assessment (by WAF) (0-100%)	10, 10, 10, 10, 10, 10, 10, 10, 10, 10 1	10, 10, 10, 10, 10, 10, 10, 10, 10, 10 2	10, 10, 10, 10, 10, 10, 10, 10, 10, 10 3	10, 10, 10, 10, 10, 10, 10, 10, 10, 10 4	10, 10, 10, 10, 10, 10, 10, 10, 10, 10 5
Sub Total 15 /10					
Topography					
14 Aspect (>10% slope)	North 1	10-20 2	<10% slope of aspect 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less slope for North aspect 2	20-40 3	41-60 4	>60 5
16 Sinks	Flat 1	10-20 2	Open terrain, minor low relief basin 3	Consistent slope, deep basin or shallow gully 4	Consistent slope, deep gully 5
17 Localities/Topography conducive to wildfire spread	<10% isolated forest 1	North and/or east aspect conditions, wildfire spread unimpeded from South and/or West 2	Mountainous terrain, broken topography, minor aspect and slope changes, multiple orientations to wildfire spread 3	Relief terrain, minor water features, minor aspect and slope changes, minor orientations to wildfire spread 4	Continuous, consistent topography, No features to wildfire spread 5
Sub Total 40 /100					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE					
Structural	A	B	C	D	E
18 Position of Structure Community on Slope	No structures 1	Bottom of slope, valley bottom 2	Mid-slope, windward, elevated 3	Mid-slope windward, >10% slope 4	Upper 1/3 of slope 5
19 Type of Development	No structures 1	Perimeter barrier, no structures 2	Perimeter barrier, no structures 3	Barriers < 1 structure/ha 4	Barriers < 1 structure/ha 5
20 Position of Structure Area Relative to Return	No structures 1	Below >100, 100-200 < 200m 2	Below >100, 100-200 < 200m 3	Flanking >100, 100-200 < 200m 4	Below >100, 100-200 < 200m 5
Sub Total 40 /100					
TOTAL WILDFIRE THREAT SCORE					
104 /200					

Wildfire Behaviour Threat Class (if not applicable use)

Low 0-40
 Moderate 41-60
 High 61-100
 Extreme >100

Wildland Urban Interface Threat Class (if not applicable use)

Low 0-13
 Moderate 14-20
 High 21-28
 Extreme >29

last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 21 Pictures



Picture 21-1 @ 360 degrees



Picture 21-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 22

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post-treatment

Plot: Q22 Community: Quesnel

Address: 8501 1st St Geographic Location/Street Name: North Rd

Date: 10/23/17 GPS/UBC: N52 59.07 W 121 31.732

Plot ID: 0 0 4 Land Ownership: Owner Renter L.A. Other (Specify)

Q22

Point	A	B	C	D	E
1 Fuel Load and Moisture Regime (Ld)	1-12 1	2-13 Dry Grass Mat 5 2 1	14-15 10 1	16-20 Dry Grass Mat 12 8 4	>20 Dry Grass Mat 12 10 1
2 Surface Fuel Continuity (% cover)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Regeneration Fuel Continuity	Woods, Herb, Limited Grass, Low Flammability Herb 1	Herb, Deciduous 2	Lichens, Lender Shrubs 3	Program, Aspen 4	Logskrub, Red Spruce, Mountain Birch, South Slope 5
4 Fine Woody Debris Continuity (>1cm) (% cover)	<10 0	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (>1cm) (% cover)	<10 0	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>40 or >40% deciduous crown closure 1	41-60 2	61-80 3	81-100 4	>80 5
8 Live and Dead Scatter Closure Area Height (%)	3+ or >20% under stream closure 1	3-5 2	3-13 3	14-20 4	>20 5
9 Live and Dead Suppressed and Understory Closure (Lateral/Fuel)	0 1	501-1000 2	1001-2000 3	2001-4000 4	>4000 5
10 Aerial Fuel (% of stand and adjacent areas)	Standing Dead and Partly Dead <1 or <10% cover 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead >25-50 3	Standing Dead and Partly Dead >50-75 4	Standing Dead and Partly Dead >75 5
11 Continuous Forest Dead Cover within Zone (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather	A	B	C	D	E
12 Windchill Zone	W, Unrated 1	EW, CW, NW Dry Grass Mat 2 2 1	EW, SE, SW Dry Grass Mat 3 3 1	SE, NE, SW, NW Dry Grass Mat 4 4 1	SE, NE 5
13 Relative Humidity (RH) (in Zone)	65, 61, 42, 24, 10, 05, 01, 01, 01, 01, 01 1	61, 58, 42, 24, 10, 05, 01, 01, 01, 01 2	57, 53, 44, 24, 10, 05, 01, 01, 01, 01 3	53, 49, 43, 23, 13, 05, 01, 01, 01, 01 4	49, 44, 42, 31 5

Topography	A	B	C	D	E
14 Aspect (°/°N slope)	North 0	East 1	<10% overall slope 2	West 3	South 4
15 Slope (%)	0 1	10-20 and less steep for North Slope 2	20-40 3	41-60 4	>60 5
16 Slope	Flat 1	Shallow 2	Steep terrain, minor fire retardation 3	Consistent slope, deep ditches or shallow gullies 4	Consistent slope, deep gullies 5
17 Landform Topography Continuity for Wildfire Spread	<10% included forest 1	North and/or east aspects consistent, wildfire spread not used from South and/or West 2	Mountainous terrain, broken topography, major aspect and slope change, wildfire spread is not likely to occur 3	Rolling terrain, minor water features, minimal aspect and slope change, wildfire spread is likely 4	Continuous, consistent topography, wildfire spread is likely 5

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18 Proximity of Structures/Community to Slope	No structures within 2 km 0	Bottom of slope, within 1000 m 1	Mid slope boundary, scattered structures 2	Mid slope to ridge, >10% slope 3	Ridge 1/3 of Slope 4
19 Type of Development	No structures within 2 km 0	Residential interface, no structures 1	Residential interface, with structures 2	Interface > 1 structure/ha 3	Interface > 1 structure/ha with structures 4
20 Proximity of Structures to Slope	No structures within 2 km 0	None >500-200-200 m 1 10 20	Scattered >500-200-200 m 1 12 20	Scattered >500-200-200 m 1 12 20	Dense >500-200-200 m 1 10 20

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE	A	B	C	D	E
Sub Total					43 /100*
Sub Total					15 /30
Sub Total					70 /100
Sub Total					110 /240**
Sub Total					110 /100
Sub Total					110 /200

*Based only if fuel sub total is < 25.

**Based on Structure Component only if Wildfire Threat Behavior Score is > 40 for untreated plot/zone.

Wildfire Behavior Threat Class (if applicable (see))

Low 0-40

Medium 41-60

High 60-140

Extreme >140

Wildland Urban Interface Threat Class (if applicable (see))

Low 0-10

Medium 10-24

High 25-39

Extreme >39

Last Updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 22 Pictures



Picture 22-1 @ 360 degrees



Picture 22-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 23

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No structure Past structure

Plot #: Q23 Community: Quesnel
 Address: B. Morai Geographic Location/Street Name: Baker Rd
 Date: July 23 UTM: N 52° 58.988 W 120° 30.812
 Parcel #: 0 4 Land Ownership: Private Public Other (Specify)

Factor	SEVERITY				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (LH)	1-2 1	2-12 Dry (LH) 2	5-15 Dry (LH) 3	16-20 Dry (LH) 4	>20 Dry (LH) 5
2 Surface Fuel Condition (LH)	<20 0	20-40 1	41-60 2	61-80 3	>80 4
3 Vegetation Fuel Competition	Wet, Herb, High Fuel, Low Fuel, High Fuel	Wet, Herb, High Fuel, Low Fuel	Wet, Herb, High Fuel, Low Fuel	Wet, Herb, High Fuel, Low Fuel	Wet, Herb, High Fuel, Low Fuel
4 Fine Woody Debris (LH)	<1 coverage 1	Scattered, <10 coverage 2	10-20 coverage 3	>20 coverage, not stacked 4	>20 coverage, partially stacked 5
5 Large Woody Debris (LH)	<1 coverage 1	Scattered, <10 coverage 2	10-20 coverage 3	>20 coverage, not stacked 4	>20 coverage, partially stacked 5
6 Live and Dead Fuel Load (LH)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deadwood (LH)	<10 or 40% 1	11-40 2	41-60 3	61-80 4	>80 5
8 Live and Dead Fuel Load (RH)	<10 or 40% 1	11-40 2	41-60 3	61-80 4	>80 5
9 Live and Dead Fuel Load (RH)	<10 or 40% 1	11-40 2	41-60 3	61-80 4	>80 5
10 Fuel Load (RH)	Scattered fuel and Partly Down <1 or <10 coverage 1	Scattered fuel and Partly Down 1-25 2	Scattered fuel and Partly Down >25-50 3	Scattered fuel and Partly Down >50-75 4	Scattered fuel and Partly Down >75 5
11 Continuous Fuel Load (RH)	0-10 1	11-40 2	41-60 3	61-80 4	>80 5
Sub Total <u>48</u> /100					
Weather					
12 Approach Wind	At, irregular 1	SW, SE, NW, Dry (RH) 2	SW, SE, NW, Dry (RH) 3	SW, SE, NW, Dry (RH) 4	SW, SE, NW, Dry (RH) 5
13 Relative Humidity (RH)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10 1	11, 08, 05, 04, 03, 02, 01, 00, 00 2	07, 05, 04, 03, 02, 01, 00, 00 3	07, 05, 04, 03, 02, 01, 00, 00 4	07, 05, 04, 03, 02, 01, 00, 00 5
Sub Total <u>15</u> /50					
Topography					
14 Aspect (RH)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (RH)	0 1	1-25 and near level for both sides 2	26-40 3	41-60 4	>60 5
16 Terrain	0 1	1 2	2 3	3 4	4 5
17 Landscape Topographic Continuity in Wildfire Spread	<1% isolated forest 1	North and/or east aspects, continuous, wildfire spread restricted from South and/or West 2	Mountainous terrain, broken topography, major aspect and slope changes, multiple small clearings, well-regulated landscape features 3	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor restrictions to wildfire spread 4	Continuous, unbroken topography, no restrictions to wildfire spread 5
Sub Total <u>22</u> /50					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
18 Fuel, Weather and Topography	No Structure 1	Bottom of slope, valley bottom 2	Mid-slope, steep, elevated 3	Mid-slope, continuous, >10% slope 4	Slope 1% of slope 5
19 Fuel, Weather and Topography	No Structure 1	Bottom of slope, valley bottom 2	Mid-slope, steep, elevated 3	Mid-slope, continuous, >10% slope 4	Slope 1% of slope 5
20 Fuel, Weather and Topography	No Structure 1	Bottom of slope, valley bottom 2	Mid-slope, steep, elevated 3	Mid-slope, continuous, >10% slope 4	Slope 1% of slope 5
Sub Total <u>24</u> /50					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE <u>166</u> /199					

Q23

Wildfire Behavior Threat Class (check applicable class)
 Low 0-40
 Moderate 41-60
 High 61-80
 Extreme >80

Wildland Urban Interface Threat Class (check applicable class)
 Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Get Updated January 24, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 23 Pictures



Picture 23-1 @ 360 degrees



Picture 23-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 24

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post-treatment

Parcel: Q24 Community: Quesnel
 Address: 811 Main St Geographic Location/Street Name: Ball Diamond/Baker Drive
 Date: 02/23/17 GPS/UTM: NSV 59.074 W 722130.64
 Photos: 0 4 Land Ownership: Green Private LA Other (specify):

Q24

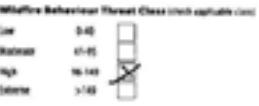
Parcel	LAPRES				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12 3	2-13 Dry Soil Wet 5 1 1	5-15 Dry Soil Wet 12 2	16-26 Dry Soil Wet 12 8 4	>26 Dry Soil Wet 15 10 5
2 Surface Fuel Continuity (R score)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Characteristics	Wm, Herb, Impaired Sites, Low Flammability Weight 1	Herb, Deciduous 2	Conifer, Conifer Shrub 3	Fireproof, Juniper 4	Scrubland, Bushy, Open, Multiple Fuel, Shrub Shrub 5
4 Fine Woody Debris Continuity (m ² /ha) (R score)	<10 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (m ² /ha) (R score)	<10 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Canopies Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Canopies Crown Closure (%)	>40 or >40% continuous crown closure 1	41-60 2	61-80 3	81-90 4	>90 5
8 Live and Dead Canopies Crown Closure (%)	>40 or >40% continuous crown closure 1	41-60 2	61-80 3	81-90 4	>90 5
9 Live and Dead Suppression and Understorey Canopy (m ² /ha)	0-200 1	201-1000 2	1001-2000 3	>2000 4	>4000 5
10 Fuel Load (% of structure and co-structure area)	Standing Dead and Partly Dead <1 or <100 kg/ha 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead >25-50 3	Standing Dead and Partly Dead >50-75 4	Standing Dead and Partly Dead >75 5
11 Continuity (m ² /ha) (R score)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather	Sub Total				
	A	B	C	D	E
12 Windiness (km/h)	A1, Impaired 1	Calm, 0-10 km/h Dry Soil Wet 2 1	11-20, 0-10 km/h Dry Soil Wet 3 1	21-40, 0-10 km/h Dry Soil Wet 4 1	>40 5
13 Relative Humidity (Average by 10% bin)	45, 55, 65, 75, 85, 95 1	51, 61, 71, 81, 91 2	67, 77, 87, 97 3	83, 93, 103, 113 4	100, 110, 120 5

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (°/170 deg)	North 1	East 2	<10% slope, 0-10% aspect 3	West 4	South 5
15 Slope (%)	<10 1	10-25 and horizontal for North slopes 2	26-50 3	45-54 4	>55 5
16 Slope	<10 1	Noting 2	Steep terrain, minor low wind stress 3	Consistent slope, deep dunes or shallow gulches 4	Consistent slope, deep gulches 5
17 Landscape Topographic Continuity in Wildfire Spread	<1 to isolated forest 1	North-south or east-west aspects dominant, with no aspect restricted from South and West 2	Mountainous terrain, broken topography, regular aspect and slope changes, minor restrictions to wildfire spread 3	Rolling terrain, minor water bodies, irregular aspect and slope changes, minor restrictions to wildfire spread 4	Continuous, consistent topography, no restrictions to wildfire spread 5

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure/Water within 1 km 1	Bottom of slope, not bottom 2	Mid-slope (steep) and elevated areas, north slope 3	Mid-slope continuous, >10% slope 4	Slope 10° or steeper 5
19 Size of Development	No Structure/Water within 1 km 1	Residential, no industrial 2	Residential, with industrial 3	Industrial or 1 structure/ha 4	Industrial or 1 structure/ha infrastructure 5
20 Position of Structure Relative to Water	No Structure/Water within 1 km 1	Above >100-200-300 m 2	Below >100-200-300 m 3	Flat/rolling >100-200-300 m 4	Below >100-200-300 m 5

**Based on Fuel sub total to 26
 ***Based on Structure Component only if Wildfire Threat Behaviour Score is > 45 for untreated parcels.



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 24 Pictures



Picture 24-1 @ 360 degrees



Picture 24-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 25

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Fire Treatment Fuel Treatment

Plot # **Q25** Community: **Quesnel**
 Address: **41100** Geographic Location/Street Name: **Narchook Cr**
 Date: **8/23/17** GPC/CR: **NS2 46/4431 W122 29.512**
 Photos: **0** **0** **0** **0** Land Use/Activity: Residential Private Other (Specify)

Fuel	EXPOSURE				
	A	B	C	D	E
1 Soil Depth and Median Depth (in)	1-12 1	2-13 Dry Soil/Wet 2 1 1	14-18 Dry Soil/Wet 12 1 2	19-20 Dry Soil/Wet 12 8 4	>20 Dry Soil/Wet 12 10 5
2 Surface Fuel Continuity (% cover)	<10 0	25-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Wet, Herb, Inorganic Clumps, Low Fuel Moisture 1	Herb, Deciduous Shrubs 2	L-DM, Grassy Shrubs 3	Prognosis, Aspen 4	Lignicolous, Bark Ripens, Average Shrub, South Slope 5
4 Fine Woody Debris Continuity (% Fuel) (% cover)	<10 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage >10 on slope 4	>25 coverage >10 on slope 5
5 Large Woody Debris Continuity (% Fuel) (% cover)	<10 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage not counted 4	>25 coverage partially counted 5
6 Live and Dead Coniferous Crown Closure (%)	<25 2	26-40 3	41-60 4	61-80 5	>80 6
7 Live Deciduous Crown Closure (%)	>40 or >40% continuous crown closure 0	41-60 1	61-80 2	81-100 3	>100 4
8 Live and Dead Coniferous Base Height (m)	2+ or >22% under crown closure 0	3-5 1	6-10 2	11-12 3	>12 4
9 Live and Dead Suppressed and Retentionary Canopy (dominant)	0-100 0	101-200 1	201-300 2	301-400 3	>400 4
10 Fuel Health (% of dominant and/or dominant stems)	Standing Dead and or >20% 1	Standing Dead and Fatty Stems 2-3	Standing Dead and Fatty Stems 4-5	Standing Dead and Fatty Stems 6-7	Standing Dead and Fatty Stems 8-10
11 Continuous Forest Stand Cover within 100 m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 57/100*					
Weather	A	B	C	D	E
12 Windbreaks/Zone	W, unimpeded 1	DM, DM, DM Dry Soil/Wet 2 1 1	DM, DM, DM Dry Soil/Wet 3 1 1	DM, DM, DM, DM Dry Soil/Wet 4 1 1 1	DM, DM 5
13 Abnormal Weather Extremes (by WMO fire code)	01, 01, 02, 04, 05, 06, 08, 03, 05, 06, 07 1	01, 06, 05, 04, 06, 07, 08, 09 2	07, 01, 06, 04, 07, 08 3	01, 05, 03, 02, 01, 06, 04, 04, 07, 02 4	01, 04, 02, 01 5
Sub Total 15/30					
Topography	A	B	C	D	E
14 Aspect (in 10% slope)	North 0	East 1	<10% slope of aspect 2	West 3	South 4
15 Slope (%)	<10 1	10-14 2	15-19 3	20-24 4	>25 5
16 Slope	Flat 1	Rolling 2	Steeply rolling 3	Concentric slope, steep down or shallow gulch 4	Concentric slope, steep gulch 5
17 Landscape Topographic Orientation to Wildfire Spread	< 5% to isolated forest 1	North and/or east aspects to roads, with or without windbreak from South and/or West 2	West-southwest, better topography, require aspect and slope changes, multiple orientations to wildfire spread 3	Rolling terrain, minor water barriers, minor aspect and slope changes, single orientation to wildfire spread 4	Continuous, consistent topography, no orientation to wildfire spread 5
Sub Total 20/30					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE					
Structural	A	B	C	D	E
18 Position of Structures/Community on Slope	No Structures Values within 100 m 0	Bottom of slope within bottom 1	Mid-slope (inclined) steeply 2	Mid-slope (inclined), >15% slope 3	Upper 1/3 of Slope 4
19 Type of Development	No Structures Values within 100 m 0	Perimeter interface, no inclusions 1	Perimeter interface, with inclusions 2	Inclusion > 1 structure/ha 3	Inclusion < 1 structure/ha 4
20 Position of Assessment Area Relative to Water	No Structures Values within 100 m 0	Above >100 100 100 + 200 m 1 10 20	Central >100 200 100 + 200 m 1 12 25	High flooding >100 200 100 + 200 m 1 12 25	Below >100 100 100 + 200 m 1 10 20
Sub Total 21/30					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE 108/160					

Q25

*Based only if fuel is not treated
 **Percent Structural component only if Wildfire Threat Behaviour Score is >10 for untreated polygons.

Wildfire Behaviour Threat Class (check applicable line)

Low 0-40
 Moderate 41-70
 High 71-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable line)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Last updated: January 14, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 25 Pictures



Picture 25-1 @ 360 degrees



Picture 25-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 26

Q26

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

File #: Q26 Community: Quesnel

Address: B. Marlow Geographic location (street name): Highway 16

Date: Oct 27/17 GPS/UTM: N52 49.766 W122 28.175

Name: D. L. Y. Land Ownership: Owner Lease Other (specify):

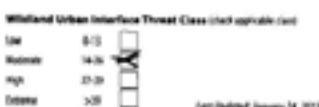
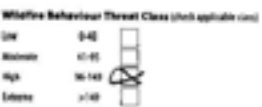
Fuel	WUI Class				
	A	B	C	D	E
1 Self-ignition and lightning ignition (1%)	1-2 1	2-3 1	3-4 2	4-5 2	5-6 2
2 Surface Fuel Continuity (16 area)	<25 1	25-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Shrub, Herb, Grasses/Forbs, low branching trees 1	Herb, Deciduous Shrubs 2	2-10m Conifer Shrubs 3	Firegrass, Juniper 4	Large shrubs, Deciduous, Average shrub, Small trees 5
4 Fine Woody Debris Continuity (<10cm) (16 area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage <10 cm deep 4	>25 coverage >10 cm deep 5
5 Large Woody Debris Continuity (>10cm) (16 area)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<25 1	25-40 2	41-60 3	61-80 4	81-100 5
7 Live Deciduous Crown Closure (%)	>40 or <40% coniferous crown closure 1	41-60 2	41-60 3	25-40 4	81-100 5
8 Live and Dead Coniferous Live Height (m)	3+ or <20% conifer crown closure 1	3-5 2	3-12 3	10 4	15 5
9 Live and Dead Coniferous and Deciduous Canopy (16 area)	0-100 1	100 2	100-200 3	200-400 4	>400 5
10 Asset Health (% of dominant and co-dominant crown)	Standing Dead and Partially Dead <1 or <10% 1	Standing Dead and Partially Dead 2	Standing Dead and Partially Dead 3	Standing Dead and Partially Dead 4	Standing Dead and Partially Dead 5
11 Coniferous Forest Dead Crown within 100m (%)	0-25 1	21-40 2	41-60 3	61-80 4	81-100 5
Sub Total: 15/15*					

Weather	WUI Class				
	A	B	C	D	E
12 Atmospheric Drier	<1 coverage 1	10% - 20% 2	21% - 30% 3	31% - 40% 4	>40% 5
13 Humidity Relative (RH) (16 area)	65, 71, 77, 83, 89, 95, 100 1	62, 68, 74, 80, 86, 92 2	59, 65, 71, 77, 83, 89 3	56, 62, 68, 74, 80, 86 4	53, 59, 65, 71, 77, 83, 89 5
Sub Total: 15/15					

Topography	WUI Class				
	A	B	C	D	E
14 Aspects (>15% slope)	South 1	West 2	<10% slope of aspects 3	West 4	South 5
15 Slope (%)	<10 1	10-20% max slope for North aspect 2	20-40 3	40-60 4	>60 5
16 Soils	Flat 1	Rolling 2	Topographic interior 3	Exposed slope, deep snow or shallow gulch 4	Continued slope, steep gulch 5
17 Contiguous Topographic Continuity in visible terrain	<1 to isolated forest land 1	North and/or west aspects dominate, wildfire spread restricted from South and/or West 2	West-south-west, North- west, or other aspect and slope changes, multiple microclimates in wildfire-prone key features 3	Rolling terrain, North-south Slopes, isolated aspect and slope changes, micro-weather in wildfire-prone key features 4	Continued, elevated topography No microclimate in wildfire-prone key features 5
Sub Total: 15/15 (140)**					

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/ Community on Slope	No Structure within 2 km 1	Bottom of slope, within bottom 5	Mid-slope structure, within 10% slope 10	Mid-slope structure, >10% slope 15	Slope 1/3 of slope 20
19 Type of Development	No Structure within 2 km 1	Perimeter interface, no structures 5	Perimeter interface, with structures 10	Interior > 1 structure/ha 15	Interior > 1 structure/ha 20
20 Position of Development Area Relative to Terrain	No Structure within 2 km 1	Slope >100-200-200m 1 10 20	Level >100-200-200m 1 10 20	Flat/rolling >100-200-200m 1 10 20	Slope >100-200-200m 1 10 20
TOTAL WILDFIRE THREAT SCORE: 7/15					

**Based on Fuel sub total is 26
**Based on Structural component only of Wildfire Threat Behaviour Score is 145 for untreated polygons.



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 26 Pictures



Picture 26-1 @ 90 degrees



Picture 26-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 27

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Fuel treatment

File # Q27 Community Quesnel

Address 8 March Geographic location/Street Name West Fraser Rd

Date Sept 23/11 UTM N52 50 243 W122 78 049

Parcel # 4 Land Ownership Crown Private Other (specify)

Q27

Point	A	B	C	D	E
1 Staff Height and Station Register (m)	1-12 1	1-15 Dry Snow Mt 2 1	1-18 Dry Snow Mt 12 8 2	18-20 Dry Snow Mt 12 8 4	>20 Dry Snow Mt 12 12 1
2 Surface Soil Conductivity (% wet)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Wet, Herb, Unguarded, Low Fuel Moisture 1	Wet, Deciduous Shrubs 2	Lichen, Conifer Shrubs 3	Progress, Aspen 4	Taproot, Bark Paper, Average Moist, South Slope 5
4 Fine Woody Debris Conductivity (<10cm) (% wet)	<1 coverage 1	Scattered <1 coverage 2	10-25 coverage 3	>25 coverage >10 cm deep 4	>25 coverage >10 cm deep 5
5 Large Woody Debris Conductivity (>10cm) (% wet)	<1 coverage 1	Scattered <1 coverage 2	10-25 coverage 3	>25 coverage Not sketched 4	>25 coverage partially sketched 5
6 Live and Dead Conifer Crown Closure (%)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>80 or <40% conifer crown closure 0	41-60 2	>60 3	20-40 4	>80 5
8 Live and Dead (Leafy) Crown Area Height (%)	1- or <20% or less crown closure 0	2-3 1	4-6 2	7-12 3	>12 4
9 Live and Dead Supplemental and Understory Canopy (sketch)	0-100 2 1	100-200 2	200-300 3	300-400 4	>400 5
10 Stand Health (% of dominant and co-dominant stems)	Standing Dead and Partly Dead <1 or <10% crown loss 0	Standing Dead and Partly Dead 1-10 1	Standing Dead and Partly Dead >10-20 2	Standing Dead and Partly Dead >20-75 3	Standing Dead and Partly Dead >75 4
11 Continuous Forest/Stand Cover within 200m (%)	0-25 0	26-40 1	41-60 2	61-80 3	>80 4

Sub Total 55 /55P

Weather	A	B	C	D	E
12 Average Wind	At, irregular 1	0-10, 10-40 Dry Snow Mt 2 1	11, 10, 100 Dry Snow Mt 2 2	11, 40, 100, 1000 ft Dry Snow Mt 12 12 1	10, 30 12
13 Annual Wind Frequency (by wind direction)	01, 01, 01, 04, 01, 01, 01, 01, 01, 01 0	01, 01, 01, 04, 01, 01, 01, 01, 01 1	01, 01, 04, 04, 01, 01 2	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 3	01, 01, 01, 01 4

Sub Total 15 /15P

Topography	A	B	C	D	E
14 Aspect (>17% slope)	North 0	East 1	<10% slope of aspect 2	West 3	South 4
15 Slope (%)	<14 1	14-24 and max slope for each aspect 2	25-44 3	45-54 4	>54 5
16 Slope	Flat 1	Rolling 2	Steep, minor 3	Consistent slope, steep down or shallow pull-in 4	Consistent slope, steep pull-in 5
17 Landscape Topographic Orientation in Wildfire Jurisdiction	<1 to localized forest 1	North and/or east aspects dominant, with or without south and/or west 2	Heterogeneous terrain, broken topographic, major aspect and slope changes, multiple orientations to windward 3	Rolling terrain, minor water bodies, occasional aspect and slope changes, minor west to east to wildfire spread 4	Continuous, consistent topography, no obstacles to wildfire spread 5

Sub Total 40 /40P

WILDFIRE BEHAVIOUR THREAT SCORE 100 /100P

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18 Number of Structures/Community on Slope	No Structures taken within 2 km 0	Bottom of slope only buildings 1	Mid slope buildings, primary buildings on slope 2	Mid slope continuous, >1 km slope 3	Slope 1/3 of Slope 4
19 Size of Development	No Structures taken within 2 km 0	Normal interface, no inclusions 1	Abnormal interface, with inclusions 2	Interface > 1 structure ha 3	Interface > 1 structure ha 4
20 Profile of Structure Area Relative to Slope	No Structures taken within 2 km 0	None >100-150 x 200 m 1	Low >150-200 x 200 m 2	Flat/Rolling >200-250 x 200 m 3	Steep >250-300 x 200 m 4

***** based only if fuel sub total is >24

** Based on structural component only if Wildfire Threat Behaviour Score is >40 for untreated polygons.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 100 /100P

TOTAL WILDFIRE THREAT SCORE 100 /100P

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Moderate 41-60

High 61-100

Catastrophic >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Moderate 11-20

High 21-30

Catastrophic >30

Last Updated: January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 27 Pictures



Picture 27-1 @ 360 degrees



Picture 27-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 28

Q28

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Parcel: Q28 Community: Quesnel

Address: B. Morrow Geographic Location (Street Name): West Fraser Rd

Date: Oct 23/17 GPS/IRN: N52 50.946 W 120.141

Photo: 0 / 14 Land Ownership: Crown Private LA Other (specify):

Point	A	B	C	D	E
1 Fuel Depth and Moisture Degree (m)	1-12	13-15	16-18	19-20	>20
2 Surface Fuel Continuity (m)	<10	10-15	15-20	20-30	>30
3 Vegetation Fuel Composition	Woods, Herb, Impervious, Low Fuel/High Moisture	Herb, Deciduous Shrub	Grass, Conifer Shrub	Forage, Juniper	Scrubland, Berries, Shrub, Deciduous Shrub, Conifer Shrub
4 Live Woody Debris Continuity (>1m) (m)	<1 coverage	1-2 coverage	3-4 coverage	>5 coverage	>7 coverage
5 Large Woody Debris Continuity (>1m) (m)	<1 coverage	1-2 coverage	3-4 coverage	>5 coverage	>7 coverage
6 Live and Dead Fuelwood Crown Closure (%)	<20	20-40	40-60	60-80	>80
7 Live Deciduous Crown Closure (%)	<40 or <40% deciduous crown closure	40-60	60-80	80-90	>90
8 Live and Dead Fuelwood Age Height (m)	5 or < 20% with crown closure	3-5	5-10	10-15	>15
9 Live and Dead Suppressed and Intermediate Canopy (m)	0-100	100-200	200-400	400-600	>600
10 Asset Health (% of structure and family trees < 1 or < 10% structure)	Standing Dead and Family Trees < 1 or < 10% structure	Standing Dead and Family Trees > 1 or > 10% structure	Standing Dead and Family Trees > 25 or > 25% structure	Standing Dead and Family Trees > 50 or > 50% structure	Standing Dead and Family Trees > 75 or > 75% structure
11 Continuous Forest Stand Cover within 100m (m)	0-20	20-40	40-60	60-80	>80

Sub Total: **65** / 100*

Weather	A	B	C	D	E
12 Atmospheric Drier	At or below	20% DB, 40% Dry Fuel Wet	40% DB, 50% Dry Fuel Wet	60% DB, 70% Dry Fuel Wet	80% DB
13 Relative Humidity (RH) for 24h	65, 61, 57, 53, 49, 45, 41, 37	61, 57, 53, 49, 45, 41, 37	57, 53, 49, 45, 41, 37	53, 49, 45, 41, 37, 33	49, 45, 41, 37, 33

Sub Total: **15** / 30

Topography	A	B	C	D	E
14 Aspect (> 15% slope)	North	East	< 15% slope at aspect	West	South
15 Slope (%)	< 15	15-25 and non-slope for north aspect	25-44	45-54	> 55
16 Slope	Flat	Rolling	Steeply rising, West or South West	Consistent slope, steep down or shallow gullies	Consistent slope, steep gullies
17 Landscape Topography (continuity in wildfire spread)	< 1 ha isolated forest stand	North and/or east aspects, continuous, wildfire spread indicated from south and/or West	Mountainous terrain, broken topography, minor aspect and slope changes, multiple microclimates with differential temperature/humidity	Rolling terrain, minor aspect breaks, minimal aspect and slope changes, minor microclimates with wildfire spread	Continuous, consistent topography, no microclimates with wildfire spread

Sub Total: **27** / 30

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE READINESS THREAT SCORE **107** / 140**

Structural	A	B	C	D	E
18 Profile of Structures/Community on Slope	No Structures below within 200m	Bottom of slope, valley bottom	Mid-slope benches, 10-15% slope	Mid-slope continuous, > 15% slope	Slope 1/3 of Slope
19 Size of Development	No Structures below within 200m	Residential interface, no enclosures	Residential interface, with enclosures	Industrial > 1 structure/ha	Industrial > 2 structures/ha
20 Profile of Equipment Area Relative to Slope	No Structures below within 200m	Slope > 100 200 300 < 200 m	Slope > 100 200 300 < 200 m	Flat/rolling > 100 200 300 < 200 m	Slope > 100 200 300 < 200 m

*Based only if Fuel sub total >= 25
**Based on Structural components only if Wildfire Threat Behavior Score is > 40 for untreated polygons.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **118** / 100
TOTAL WILDFIRE THREAT SCORE **118** / 140

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40
 Moderate 41-60
 High 61-140
 Extreme > 140

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme > 30

Last Updated: January 24, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 28 Pictures



Picture 28-1 @ 360 degrees



Picture 28-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 29

Q29

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

File # Q29 Community Quesnel

Address B. Macaw Geographic Location/Street Name Crowner Rd

Date Oct 23/17 UTM Zone N52° 54' 40" W 112° 31' 35"

Parcel # 0 1 4 Land Ownership Private Public Other (specify)

Point	A	B	C	D	E
1 Staff Southward Minimum Exposure (m)	1-12 1	1-13 Dry Grass Mat 2 1	1-14 Dry Grass Mat 3 2	1-20 Dry Grass Mat 12 8 4	>20 Dry Grass Mat 17 12 5
2 Surface Fuel Continuity (% area)	<10 1	20-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Woods, Herb, Shrub, Grass, Low Fuel Loads, Mixed	Herb, Deciduous Trees	Conifer, Conifer Shrub	Fireweed, Sage	Sagebrush, Buckwheat, Amaranth, Birch, Conifer Shrub
4 Live Woody Debris Continuity (<10cm) (% area)	<1 coverage 1	10-20 coverage 2	21-30 coverage 3	>31 coverage < 10 cm deep 4	>31 coverage > 10 cm deep 5
5 Live Woody Debris Continuity (>10cm) (% area)	<1 coverage 1	10-20 coverage 2	21-30 coverage 3	>31 coverage not recorded 4	>31 coverage partially recorded 5
6 Live and Dead Conifer Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	81-100 5
7 Live Deciduous Crown Closure (%)	>40 or >50% coniferous crown closure 1	41-60 2	61-80 3	20-40 4	81-100 5
8 Live and Dead Conifer Crown Area Height (m)	5+ or >20% conifer crown closure 1	3-5 2	2-3 3	1-2 4	<1 5
9 Live and Dead Supplemental and Understory Conifers (Stems/ha)	0-100 1	101-200 2	201-300 3	301-400 4	>400 5
10 Live Herb (% of abundance and abundance stems)	Standing Dead and Partly Dead <1 or <10 stems/ha 1	Standing Dead and Partly Dead >1-10 2	Standing Dead and Partly Dead >10-20 3	Standing Dead and Partly Dead >20-30 4	Standing Dead and Partly Dead >30 5
11 Continuous Lower Stem Cover within 2m (%)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5

Weather

	A	B	C	D	E
12 Exposure Zone	W, exposed 1	SW, SW-W, Dry Grass Mat 2 1	W, SW, SWW, Dry Grass Mat 3 2	SW, SW, SWW, SWW-W, SWW, SWW, Dry Grass Mat 4 1 1 1	W, SW 5
13 Relative Wind Exposure by Wind-Exposure	W, SW, SW, SW, SW, SW, SW, SW 1	SW, SW, SW, SW, SW, SW, SW, SW 2	SW, SW, SW, SW, SW, SW, SW, SW 3	SW, SW, SW, SW, SW, SW, SW, SW 4	SW, SW, SW, SW 5

Sub Total **59 / 100***

Topography

	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope, SW aspect 3	West 4	South 5
15 Slope (%)	0-10 1	10-20 and less steep for North slopes 2	20-40 3	40-60 4	>60 5
16 Shade	Shaded 1	Partial 2	Exposed terrain, moderate wind direction 3	Consistent slope, deep dunes or shallow gullies 4	Consistent slope, deep gullies 5
17 Landcover/Topographic Location in Wildfire Zone	<1 ha isolated forest 1	North and/or east aspects consistent, wildfire spread restricted from South and/or West 2	Mountainous terrain, broken topography, irregular aspect and slope changes, minor variations in vegetation cover (open forest/scrubland) 3	Rolling terrain, minor water bodies, moderate aspect and slope changes, minor variations in wildfire spread 4	Continuous, consistent topography, No restriction to wildfire spread 5

Sub Total **15 / 50**

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE

Structural	A	B	C	D	E
18 Density of Structures/ Proximity to Slope	No Structures, Values within 2 km 1	Medium Density, Values within 2 km 2	High Density, Values within 2 km, mixed exposure, 10% slope 3	High Density, Values within 2 km, >10% slope 4	High Density, Values within 2 km, steep 1/3 of Slope 5
19 Type of Development	No Structures, Values within 2 km 1	Residential, Values within 2 km 2	Residential, Values within 2 km 3	Industrial > 1 structure/ha 4	Industrial > 1 structure/ha 5
20 Density of Structures and Number to House	No Structures, Values within 2 km 1	None >500 200-500 <500 m 2 1 20	Some >500 200-500 <500 m 3 1 2 20	Many >500 200-500 <500 m 4 1 2 20	Very Many >500 200-500 <500 m 5 1 2 20

Sub Total **41 / 100****

Wildland Urban Interface Wildfire Threat Score **21 / 50**
TOTAL WILDFIRE THREAT SCORE **112 / 200**

Wildfire Behaviour Threat Class (check applicable class)

Low	0-40	<input type="checkbox"/>
Medium	41-75	<input checked="" type="checkbox"/>
High	76-149	<input type="checkbox"/>
Extreme	>149	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable class)

Low	0-10	<input type="checkbox"/>
Medium	10-20	<input checked="" type="checkbox"/>
High	21-29	<input type="checkbox"/>
Extreme	>29	<input type="checkbox"/>

last updated January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 29 Pictures



Picture 29-1 @ 360 degrees



Picture 29-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 30

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

Plot # Q30 Community Quesnel
 Address B. Mackin Geographic Location/Street Name Corner Rd
 Date Oct 23/17 GPS/UTM N52 54.746 W122 31.228
 Notes Q30 Land Ownership Crown Private Other (specify)

Q30

Point	A	B	C	D	E
1 Self Report and Relative Degree (10)	1-12 1	13-25 Self Report 5 6	26-35 Self Report 10 2	36-50 Self Report 12 4	>50 Self Report 15 3
2 Surface Fuel Continuity (16 score)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Grass, Herb, Impure (Cops, Low Flammability) 1	Herb, Deciduous 2	Lichen, Conifer 3	Fireweed 4	Softwood, Succulent, Mortgage Bush, Scotch Broom 5
4 Fine Woody Debris Continuity (<5-Pace) (16 score)	<10% 1	10-20% 2	21-30% 3	>30% average >10 cm deep 4	>25 average >10 cm deep 5
5 Large Woody Debris Continuity (>5-Pace) (16 score)	<10% 1	10-20% 2	21-30% 3	>30% average not stacked 4	>25 average partly stacked 5
6 Live and Dead (Lignified) Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live (Deciduous) Crown Closure (%)	>40 or >60% coniferous crown closure 1	41-60 2	61-80 3	>80 4	>20 5
8 Live and Dead (Conifer) Crown Closure (16)	1 or no crown closure 1	1-1 2	2-3 3	4-12 4	>12 5
9 Live and Dead (Sapwood and Dendrology) Closure (16)	0-100 1	>100 2	100-200 3	200-400 4	>400 5
10 Fuel Load (% of ground and on-deck) (16)	Standing Dead and Fuel Load <1 or <10 cm dia 1	Standing Dead and Fuel Load 1-2 2	Standing Dead and Fuel Load >2 3	Standing Dead and Fuel Load >3 4	Standing Dead and Fuel Load >4 5
11 Continuous Crown/Leaf Cover within 20m (%)	0-20 1	21-40 2	41-60 3	>60 4	>80 5
Sub Total <u>37</u> / 100					

Weather	A	B	C	D	E
12 Dependence on Wind (16)	W. exposed 1	SW, SE, NW Dry (low wind) 2	W, SW, SE Dry (low wind) 3	SW, SE, NW, SW (W) or (E) or (S), SW, NW - Dry (low wind) 4	W, SW 5
13 Structural Vulnerability (16)	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 1	21, 22, 23, 24, 25, 26, 27, 28, 29 2	27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 3	41, 42, 43, 44, 45, 46, 47, 48, 49, 50 4	51, 52, 53, 54, 55 5
Sub Total <u>15</u> / 100					

Topography	A	B	C	D	E
14 Aspect (>175) (16)	North 1	East 2	<10% of aspects 3	West 4	South 5
15 Slope (%)	<10 1	10-20 (not steep for North slope) 2	21-30 3	41-54 4	>55 5
16 Drain	1 1	Building 2	Topped (small, steep flow out of drain) 3	Continued slope, deep drain or active gully 4	Continued slope, deep gully 5
17 Landform Topography Orientation in relation to Wind (16)	<1 to isolated point 1	North and/or west aspect dominates, wildfire spread restricted from South and West 2	Structure reveals, breaks topography, major aspect and other changes, building orientation is wildfire spread 3	Building breaks, minor aspect breaks, minimal aspect and open changes, minor orientation is wildfire spread 4	Continuous, consistent topography, no orientation in wildfire spread 5
Sub Total <u>47</u> / 100					

FUEL WEATHER AND TOPOGRAPHY	A	B	C	D	E
18 Position of Structure Community or Type (16)	No Structure Isolated within 1 km 1	Edge of range, safety feature 2	Mid-range (border, corner) 10% range 3	Mid-range continuous, >75% range 4	Upper 1/3 of 2 range 5
19 Type of Development (16)	No Structure Isolated within 1 km 1	Perimeter interface, no structure 2	Perimeter interface, with structure 3	Interior > 1 structure/ha 4	Interior > 1 structure/ha 5
20 Position of Structure Relative to Water (16)	No Structure Isolated within 1 km 1	None >100-200-200-200 m 1 10 20 2	Shaded >100-200-200-200 m 1 10 20 3	Flat (facing) >100-200-200-200 m 1 10 20 4	Below >100-200-200-200 m 1 10 20 5
TOTAL WILDFIRE THREAT SCORE <u>200</u>					

Wildfire Behavior Threat Class (check appropriate box)

Low 0-40

Medium 41-50

High 51-70

Extreme >70

Wildland Urban Interface Threat Class (check appropriate box)

Low 0-12

Medium 13-24

High 25-35

Extreme >35

Last updated January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 30 Pictures



Picture 30-1 @ 360 degrees



Picture 30-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 31

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot #: Q31 Community: Quesnel

Address: 1517 Macaw Geographic Location: Quesnel Airport

Date: 02/23/17 GPS: N53 01.384 W 122 31.019

Phone: 800-444-4444 Land Ownership: Public Private Other (specify)

Q31

Point	A	B	C	D	E
1. Soil Type and Moisture Regime (20)	1-12	13-17	18-19	20-23	24-28
2. Surface Fuel Continuity (20 acres)	<10	20-40	41-60	61-80	>80
3. Vegetation Fuel Composition	Decid. Conifer, Riparian Forest, Low Fuel Continuity	Conifer, Deciduous Forest	Conifer, Deciduous Forest	Conifer	Conifer, Riparian, Deciduous Forest, Low Fuel Continuity
4. Fine Woody Debris Continuity (1-1000) (20 acres)	<1 coverage	Substrate, <10 coverage	10-20 coverage	>20 coverage, <10 on steep	>20 coverage, >10 on steep
5. Large Woody Debris Continuity (1-1000) (20 acres)	<1 coverage	Substrate, <10 coverage	10-20 coverage	>20 coverage, not stacked	>20 coverage, partially stacked
6. Live and Dead Conifer Crown Closure (%)	<10	20-40	41-60	61-80	>80
7. Live Deciduous Crown Closure (%)	>40 or >60% continuous crown closure	41-60	61-80	20-40	<10
8. Live and Dead Conifer Crown Height (ft)	3- or <20% conifer crown closure	3-1	2-1	1-1	>10
9. Live and Dead Suppressed and Intermediate Canopies (20 acres)	0-100	101-200	201-300	301-400	>400
10. Stand Health (% of dominant and co-dominant species)	Standing Dead and Fully Green <1 or <10 stems/ha	Standing Dead and Fully Green	Standing Dead and Fully Green >10-50	Standing Dead and Fully Green >50-75	Standing Dead and Fully Green >75
11. Continuous Deadwood Cover within 200 ft (20)	0-20	21-40	41-60	61-80	>80

Weather

	A	B	C	D	E
12. Significant Snow	All year-round	100% 100% 100%	80% 100% 100%	50% 80% 100% 100%	20% 50%
13. Annual/Seasonal Snowpack (in. Snow)	60, 81, 102, 123, 144, 165, 186, 207, 228, 249	61, 82, 103, 124, 145, 166, 187, 208, 229	62, 83, 104, 125, 146, 167, 188, 209, 230	63, 84, 105, 126, 147, 168, 189, 210, 231	64, 85, 106, 127, 148, 169, 190, 211, 232

Topography

	A	B	C	D	E
14. Aspect (1-120° slope)	North	East	>10% aspect	West	South
15. Slope (%)	<10	10-20 and less steep for north slopes	20-44	45-64	>65
16. Slope	<10	Rolling	Steep terrain, minor low relief areas	Continuous slope, steep slope or multiple gullies	Considered steep, steep gullies
17. Landform/Topography (continuous in wildfire zone)	<1% the volume forest and	North-south or east-west dominates, with other aspect distributed from south and/or West	North-south terrain, broken topography, regular aspect and slope changes, multiple ridges or low relief areas	Rolling terrain, minor water bodies, no major aspect and slope changes, minor resistance to wildfire spread	Continuous, unbroken topography, no resistance to wildfire spread

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORES

Structural	A	B	C	D	E
18. Position of Structures/Community on Slope	No structures below within 2 km	Bottom of slope, valley bottoms	Mid-slope benches, elevated areas, 10% slope	Mid-slope continuous, >10% slope	Slope 1/3 of slope
19. Type of Development	No structures below within 2 km	Perimeter interface, no inclusions	Perimeter interface, with inclusions	Interior >1 structures/ha	Interior <1 structures/ha
20. Position of Equipment Area Relative to Sites	No structures below within 2 km	None	Interior	Full building	None

Pointed only if that sub-score is 25.

Pointed to structural component only if Wildfire Threat Behavior Score is >40 for estimated polygons.

Wildfire Behavior Threat Class (check applicable row)

Low 0-40

Medium 41-60

High 61-140

Extreme >140

Wildland Urban Interface Threat Class (check applicable row)

Low 0-10

Medium 11-24

High 25-39

Extreme >39

Get updated January 24, 2013

Sub Total 66

Sub Total 15

Sub Total 40

Sub Total 100

Sub Total 100

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 31 Pictures



Picture 31-1 @ 360 degrees



Picture 31-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 32

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Not treated Fuel treated

Plot # **Q32** Community **Quesnel**

Address **0.130004** Geographic Location Street Name **General Airport**

Date **8/23/17** GPS/NA **N53 01.769 W122 31.437**

Plot # **8 9 10 11** Land Ownership Crown Private Other (specify)

Q 32

Fuel	SCORES				
	A	B	C	D	E
1 Staff Fuel and Moisture Regain (L)	1-2	3-4	5-10	10-20	>20
2 Surface Fuel Continuity (R score)	<10	10-40	41-60	61-80	>80
3 Repetitive Fuel Composition	Micro, Herb, Inorganic (Lign, Low Fuel-to-Ash Ratio)	Micro, Herb, Inorganic (Lign)	Micro, Herb, Inorganic (Lign)	Micro, Herb, Inorganic (Lign)	Micro, Herb, Inorganic (Lign)
4 Fine Woody Debris Continuity (>1cm) (R score)	<1 coverage	Subtotal, <10 coverage	10-20 coverage	>20 coverage	>20 coverage
5 Large Woody Debris Continuity (>1cm) (R score)	<1 coverage	Subtotal, <10 coverage	10-20 coverage	>20 coverage	>20 coverage
6 Live and Dead Grasses Crown (Cover %)	<10	10-15	16-20	21-30	>30
7 Live and Dead Grasses Stem (Cover %)	>40 or >10% cover	41-60	61-80	81-90	>90
8 Live and Dead Grasses Stem Height (Cover %)	5+ or <10% cover	1-5	6-7	8-10	>10
9 Live and Dead Grasses and Herbaceous (Cover %)	0-100	101-1000	1001-10000	10001-100000	>100000
10 Live Herb (% of Ground and Understorey cover)	Standing Dead and Partly Dead <1 or <10 cover	Standing Dead and Partly Dead <10-20 cover	Standing Dead and Partly Dead >20-50 cover	Standing Dead and Partly Dead >50-75 cover	Standing Dead and Partly Dead >75 cover
11 Grasses (Cover %)	0-10	11-40	41-60	61-80	>80

Sub Total 61 / 100*

Weather	A	B	C	D	E
12 Repetitive Wind	W, Inorganic	W, Inorganic	W, Inorganic	W, Inorganic	W, Inorganic
13 Potential Wind Direction (by Wind (R score))	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

Sub Total 15 / 20

Topography	A	B	C	D	E
14 Aspect (>10% slope)	North	East	<10% slope	West	South
15 Slope (%)	<10	10-20	20-40	41-54	>55
16 Drain	Flat	Rolling	Sloped terrain, minor rise and fall	Consistent slope, deep drain or shallow gully	Consistent slope, deep gully
17 Landform/Topography (Contributes to wildfire spread)	<1 to isolated forest	North and/or east aspects dominate, wildfire spread and fuel from South and West	Westward terrain, broader topographic, major aspect and slope change, multiple wind directions in wildfire spread	Westward terrain, minor water feature, minimal aspect and slope change, minor restrictions to wildfire spread	Consistent, consistent topography, no wind direction to wildfire spread

Sub Total 47 / 100**

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE 133 / 200**

Structural	A	B	C	D	E
18 Number of Structures/Community on Slope	No Structures	Bottom of slope, valley bottom	Mid slope, steep, narrow ridge, high slope	Mid slope, continuous, >1% slope	Steepest 1/2 of Slope
19 Type of Development	No Structures	Residential, industrial, no structures	Residential, industrial, with structures	Industrial > 1 structure	Industrial < 1 structure
20 Proximity of Structure Area Relative to Slope	No Structures	Below	Below	Flattening	Below

**Based on 1 Fuel and total is 26
**Based on Structural component only (Wildfire Threat Behaviour Score is 100 for untreated projects)

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-140

Critical >140

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 11-20

High 21-30

Critical >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 32 Pictures



Picture 32-1 @ 360 degrees



Picture 32-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 33

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Not assessed

Parcel: Q33 Community: Quesnel

Address: B. Mackay Geographic Location/Street Name: Blanchet Rd - NW

Date: 02/24/17 GPS/UTM: N53° 06.203 W 122° 41.716'

Notes: Land Ownership: Owner Renter Other (specify):

Q33

Point	LEVELS				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (in)	1-12 1	2-18 Dry Grass Mat 1 2 1	1-12 Dry 10 1 1	12-20 Dry Grass Mat 12 8 4	>20 Dry Grass Mat 12 12 3
2 Surface Fuel Continuity (% cover)	<25 0	25-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Herb. Herb. Engaged Grass, Low Fuelability Grass 1	Herb. Deciduous Shrubs 2	Conifer, Conifer Shrubs 3	Conifer 4	Lignicolous, Bark-Piggin, Average Shrub, South Slopes 5
4 Fine Woody Debris Continuity (>1cm) (% cover)	0 0	Scattered, <10 coverage 1	10-25 coverage 2	>25 coverage, <10 cm deep 3	>25 coverage, >10 cm deep 4
5 Large Woody Debris Continuity (>1cm) (% cover)	0 0	Scattered, <10 coverage 1	10-25 coverage 2	>25 coverage, not elevated 3	>25 coverage, partially elevated 4
6 Live and Dead Coniferous Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live and Dead Coniferous Crown Closure (%)	<40 or <40% coniferous crown closure 1	41-60 2	61-80 3	81-100 4	>100 5
8 Live and Dead Coniferous Crown Height (m)	1 or <10% coniferous crown closure 1	1-1 2	2-3 3	4-10 4	>10 5
9 Live and Dead Suppressed and Abandoned Conifers (Stems/Ft)	0 0	201-1000 1	1001-2000 2	2001-4000 3	>4000 4
10 Fuel Load (% of dominant and non-dominant stems)	Standing Dead and Partly Dead <1 10-15 1	Standing Dead and Partly Dead 1-25 1	Standing Dead and Partly Dead >25-50 2	Standing Dead and Partly Dead >50-75 3	Standing Dead and Partly Dead >75 4
11 Continuous Crown/Dead Crown within Zone (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather	Sub Total				
	A	B	C	D	E
12 Maximum Daily Dry	All wet 1	DM, DM, DM Dry Grass Mat 1 1 1	DM, DM, DM Dry Grass Mat 1 1 1	DM, DM, DM, DM, DM Dry Grass Mat 1 1 1 1 1	DM, DM 1 1
13 Maximum Relative Humidity (24 HR Avg)	65, 61, 62, 58, 55, 49, 39, 35, 31, 26, 21 1	51, 58, 63, 65, 66, 61, 58, 55 1	47, 53, 58, 64, 69, 74, 79, 84, 89 1	41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81, 85, 89, 93, 97, 100 1	47, 51, 55, 59, 63 1

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>17% slope)	South 1	East 1	<17% slope aspects 1	West 1	North 1
15 Slope (%)	0 0	16-24 and less slope for North slopes 1	25-44 1	45-54 1	>55 1
16 Terrain	0 0	Rolling 1	Slight terrain, minor low relief areas 1	Continuous slope, steep down or shallow gulches 1	Continuous slope, steep gulches 1
17 Landform/Topography (continuity to interface)	<1% isolated forest 1	North and/or east aspects dominate, wildfire spread restricted South and/or West 1	Mountainous terrain, broken topography, regular aspect and slope changes, multiple obstructions to wildfire spread, large water bodies 1	Rolling terrain, minor water bodies, irregular aspect and slope changes, minor obstructions to wildfire spread 1	Continuous, continuous topography, no natural obstructions to wildfire spread 1

FUEL, WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Position of Structure/Continuity on Slope	No structure, No continuity 1	Bottom of slope, No continuity 1	Mid-slope, No continuity, Steep slope, <17% slope 1	Mid-slope, No continuity, >17% slope 1	Peak 1/3 of slope 1
19 Type of Development	No structure, No continuity 1	Residential, No structure 1	Residential, No structure, with structure 1	Structure, No structure 1	Structure, No structure, with structure 1
20 Position of Structure Area Relative to Home	No structure, No continuity 1	Home >100-200-300 <200 m 1 1 20	Home >100-200-300 <200 m 1 12 25	Home >100-200-300 <200 m 1 12 25	Home >100-200-300 <200 m 1 12 25

Based only on fuel sub total (x) 25
Based on structural component only if Wildfire Threat Behavior Score is >10 for untreated polygons

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 101 / 1000

TOTAL WILDFIRE THREAT SCORE 101 / 1000

Wildfire Behavior Threat Class (check applicable row)

Low	0-40	<input type="checkbox"/>
Moderate	41-60	<input type="checkbox"/>
High	61-80	<input checked="" type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable row)

Low	0-10	<input checked="" type="checkbox"/>
Moderate	11-20	<input type="checkbox"/>
High	21-30	<input type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 33 Pictures



Picture 33-1 @ 360 degrees



Picture 33-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 34

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Fuel treatment

Plot #: **Q34** Community: **Quesnel**

Address: **Barney** Geographic Location/Street Name: **Blackwater Rd - NW**

Date: **Oct 24/17** GPS/UTM: **N53° 4' 24" W122° 41.861'**

Phone: **8 4** Land Ownership: Private Public Other (Specify)

Q34

Point	LEVELS				
	A	B	C	D	E
1 Staff Height and Maximum Register Ltd	1-12 2	2-13 Dry Stand Wht 3 1	1-13 Dry Stand Wht 3 2	1-25 Dry Stand Wht 3 3 4	>25 Dry Stand Wht 3 3 3
2 Surface Soil Continuity (% cover)	<10 0	20-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Woods, Herbs, Invasive Exotic, Low Flammability (1-2)	Herbs, Deciduous Shrubs 2	Leaves, Conifer Shrubs 3	Programs, Juniper 4	Logskrub, Birch/Poplar, Arbutus, Dead, South Slopes 5
4 Fine Woody Debris Continuity (>100) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 on slope 4	>25 coverage, >10 on slope 5
5 Large Woody Debris Continuity (>100) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	0 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>80 or >60% continuous crown closure 5	41-60 2	0 1	20-40 3	<20 4
8 Live and Dead Coniferous Base Height (m)	1-10 1	1-5 2	1-10 3	1-10 4	<1 5
9 Live and Dead Deciduous and Intermediate Canopy (Intersect)	0 1	101-1000 2	101-2000 3	2001-4000 4	>4000 5
10 Stand Health (% of Stand and or dominant cover)	Standing Dead and Partly Dead <1 or <10% 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead >25-50 3	Standing Dead and Partly Dead >50-75 4	Standing Dead and Partly Dead >75 5
11 Continuous Forest/Stand Cover within 30m (%)	0-25 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 30					

Weather	LEVELS				
	A	B	C	D	E
12 Atmospheric Dew	At, exposed 1	0-9, 10, 11 Dry Stand Wht 2 1	10, 11, 12 Dry Stand Wht 3 2	12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 5	100 5
13 Relative Humidity (Average by Wind (m/sec))	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 1	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 2	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 3	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 4	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 5
Sub Total 15					

Topography	LEVELS				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope, aspect 3	West 4	South 5
15 Slope (%)	0 1	10-20 and near zero for South slopes 2	20-40 3	40-60 4	>60 5
16 Drain	0 1	No Drain 2	Sloped terrain, minor low relief drain 3	Consistent slope, steep drain or shallow gully 4	Consistent slope, steep gully 5
17 Landscape Topographic Continuity in Visible Area	<10% low relief 1	North and/or west aspect dominates, wildfire spread inhibited from South and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, that give wind chains in wildfire spread 3	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor wind chains in wildfire spread 4	Continuous, consistent topography, no wind chains in wildfire spread 5
Sub Total 20					

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
18 Nature of Structure/Continuity on Slope	No structures 1	Bottom of slope, valley bottoms 2	Mid-slope benchland, elevated valley, <10% slope 3	Mid-slope structures, >10% slope 4	Upper 1/3 of Slope 5
19 Age of Development	No structures 1	Acrotic interface, no structures 2	Acrotic interface, with structures 3	Heemic > 1 structure/ha 4	Heemic <1 structure/ha 5
20 Nature of Structure Area Relative to Slope	No structures 1	Above 2	Below 3	Flat/Rolling 4	Below 5
Sub Total 15					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORES **70**

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORES **35**

TOTAL WILDFIRE THREAT SCORES 105

Wildfire Behaviour Threat Class (check applicable row)

Low 0-40

Medium 41-60

High 60-149

Extreme >149

Wildland Urban Interface Threat Class (check applicable row)

Low 0-10

Medium 10-20

High 20-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 34 Pictures



Picture 34-1 @ 360 degrees



Picture 34-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 35

Q35

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
File #	Community				
Address	Geographic Location (Town Name)				
Date	GPS/UTM				
Phone	Land Ownership				
URBANS					
Parcel	A	B	C	D	E
1. Soil Depth and Moisture Regime (m)	1-12	2-15 Dry Soil Regime 5 3 1	3-18 Dry Soil Regime 10 2	19-20 Dry Soil Regime 12 4 4	>20 Dry Soil Regime 15 10 5
2. Surface Soil Coarseness (% sand)	<10	20-40	41-60	61-80	81
3. Vegetation Fuel Competition	None, herbs, Impaired Crown, Low Flammability Wood	2-3	4-5 Light, Cattle Droppings	6-7 Fragrant, dense	8-9 Tightleaf, Barky Spruce, Intertwined Spruce, Scotch Spruce
4. Fine Woody Debris Coarseness (<10mm) (% wood)	<15 average	16-20 average	21-25 average	>25 average < 10 cm deep	>25 average > 10 cm deep
5. Large Woody Debris Coarseness (>10mm) (% wood)	<15 average	16-20 average	21-25 average	>25 average not stacked	>25 average partially stacked
6. Live and Dead (Conditioned) Crown Closure (%)	1	2	3-10	11-20	>20
7. Live and Dead (Unconditioned) Crown Closure (%)	>40 or >40% with dense canopy below	31-40	41-50	51-60	>60
8. Live and Dead (Conditioned) Crown Closure (%)	1 or <20% under crown closure	3-10	11-20	21-30	>30
9. Live and Dead (Unconditioned) Crown Closure (%)	1	2	3-10	11-20	>20
10. Stand Health (% of dominant and co-dominant trees)	Standing Dead and Partly Dead < 10%	Standing Dead and Partly Dead 11-20	Standing Dead and Partly Dead >21-30	Standing Dead and Partly Dead >31-40	Standing Dead and Partly Dead >41
11. Continuous Forest/Stand Cover within 30m (%)	1	2	3	4	5
Sub Total					700
Weather					
12. Exposure to Wind	All exposed	Open, 20-40% Dry Soil Regime	25-30, 50% Dry Soil Regime	35-40, 60%, 70% Dry Soil Regime	45-50
13. Minimum Windy Exposure by Wind Direction (m)	60, 71, 82, 94, 105, 116, 127, 138, 149, 160, 171	60, 68, 76, 84, 92, 100, 108	67, 75, 84, 94, 103, 112, 121	75, 85, 95, 105, 115, 125, 135, 145, 155, 165, 175	80, 94, 108, 122
Sub Total					15
Topography					
14. Aspect (>10% slope)	North	East	<10-20% aspect	West	South
15. Slope (%)	1	16-25 and less than for North Slope	26-40	41-54	>55
16. Drain	Flat	1	Shaded banks, slow flow out of drain	Downward slope, steep banks or rill flow pattern	Downward slope, steep gulches
17. Landcover/Topographic position in wildfire spread	< 1% no isolated forest land	North end or east aspect, exposure, wildfire spread restricted from South and West	Mountainous terrain, broken topography, irregular aspect and slope changes, multiple wind directions, wildfire spread large water bodies	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor topographic irregularities	Continuously, continuous topography, no restrictions on wildfire spread
Sub Total					75
FUEL, WEATHER AND TOPOGRAPHY					
WILDFIRE BEHAVIOR THREAT SCORE					
Structural	A	B	C	D	E
18. Density of Structures/Community or Slope	No structures More than 2/4m	Bottom of slope valley bottom	Wild edge residential, elevated utility, <10% slope	Wild edge residential, >10% slope	Slope 1/3 of Slope
19. Size of Development	No structures More than 2/4m	Residential lots, no outbuildings	Residential lots, with outbuildings	Industrial > 1 structure/ha	Narrow < 1 structure/ha
20. Proximity of Structures Area Relative to Slope	No structures More than 2/4m	Slope >500 200-500 <100 m	Level 0 >500 200-500 <100 m	Steepening >500 200-500 <100 m	Bottom >500 200-500 <100 m
Sub Total					140
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE					295
<p>*Based only on fuel load in 20</p> <p>**Based on Structural Component of the Wildfire Threat Behavior Score is >10 for unimproved properties.</p>					
<p>Wildfire Behavior Threat Class (if not applicable use)</p> <p>Low 0-40</p> <p>Medium 41-60</p> <p>High 61-140</p> <p>Extreme >140</p>			<p>Wildland Urban Interface Threat Class (if not applicable use)</p> <p>Low 0-10</p> <p>Medium 11-20</p> <p>High 21-30</p> <p>Extreme >30</p>		
END (Updated January 24, 2013)					

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 35 Pictures



Picture 35-1 @ 360 degrees



Picture 35-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 36

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In treatment Not treated

Parcel: Q36 Community: Quesnel
 Address: Brimrose Geographic Location/Street Name: Blackwater NW
 Date: Oct 24/17 GPS/Bike: N 53° 05. 883 W 122° 41. 310
 Photos: 0 1 2 3 4 Land Ownership: Crown Private I.R. (Other specify)

Q36

Fuel	FUELS				
	A	B	C	D	E
1 Soft Leaf and Medium Leaf (L)	1-12 3	2-13 Dry Leaf Mat 5 1	1-13 Dry 2-13 10 1	10-20 Dry Leaf Mat 12 8 4	>20 Dry Leaf Mat 12 10 5
2 Surface Fuel Continuity (F _s)	<20 2	20-40 2	40-60 3	60-80 4	>80 5
3 Vegetation Leaf Condition	Wet, Fresh, Irregular Leaf, Low (Excluded by WUE)	Wet, Dry, Regular	1-10% Dried Straws	Prognosis, Saprot	Lightning, Wet Spring, Another Burn, South Burn
4 Fine Woody Debris Continuity (F _w) (L or S)	<10 1	10-25 +10 coverage 2	10-25 coverage 3	>25 coverage +10 cm deep 4	>25 coverage +10 cm deep 5
5 Large Woody Debris Continuity (F _w) (L or S)	<10 1	10-25 +10 coverage 2	10-25 coverage 3	>25 coverage not covered 4	>25 coverage partially covered 5
6 Live and Dead Continuum Crown Closure (F _c)	<10 1	20-40 2	40-60 3	>60 4	>80 5
7 Live Deadness Crown Closure (F _c)	>40 or >40% understorey crown closure 1	40-60 2	40-60 3	60-80 4	>80 5
8 Live and Dead Ladder Crown Above Height (F _l)	1-4 or >10% ladder above height 1	5-9 2	10-13 3	14-17 4	18-20 5
9 Live and Dead Lateral and Overstory Ladder (F _l)	<10 1	10-20 2	20-30 3	30-40 4	40-50 5
10 Stand Health (R of dominant and co-dominant stems)	Standing Dead and Partly Dead <1 or 10% 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead >25-50 3	Standing Dead and Partly Dead >50-75 4	Standing Dead and Partly Dead >75-90 5
11 Continuous Forest Stand Cover within 100m (F _c)	0-25 1	25-40 2	40-60 3	60-80 4	>80 5

Weather	Sub Total				
	A	B	C	D	E
12 Dependable Snow	40 required 1	10% 100-40 Dry Leaf Mat 2 1	10-30, 100 Dry Leaf Mat 10 1	40-60, 100, 100mm 6-10, 200, 100 - Dry Leaf Mat 10 1	60-80 10
13 Historical Weather Exposure (WUE) (L or S)	10, 20, 40, 60, 80, 100, 120, 140, 160, 180 1	10, 20, 40, 60, 80, 100, 120 2	10, 20, 40, 60, 80, 100, 120 3	10, 20, 40, 60, 80, 100, 120 4	10, 20, 40, 60, 80, 100, 120 5

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North 0	East 1	<10% aspect 2	West 3	South 4
15 Slope (%)	<10 1	10-20 and top even for back-slopes 2	20-40 3	40-60 4	>60 5
16 Sides	<10 1	Facing 2	Exposed slopes, minor use of fuel 3	Exposed slopes, deep dunes or rubble piles 4	Continuous slope, steep gullies 5
17 Landform/Topography (Disturbance in Wildlife Spots)	<10 no isolated forest 1	North and/or east aspect, continuous, with the spread restricted from South and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple wind directions in wildfire spread 3	Rolling terrain, minor water bodies, minor aspect and slope changes, minor restrictions to wildfire spread 4	Continuous, consistent topography, no restrictions to wildfire spread 5

FUEL, WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Fuel, Weather and Topography (WUE) (L or S)	10-20 1	20-40 2	40-60 3	60-80 4	>80 5
19 Fuel, Weather and Topography (WUE) (L or S)	10-20 1	20-40 2	40-60 3	60-80 4	>80 5
20 Fuel, Weather and Topography (WUE) (L or S)	10-20 1	20-40 2	40-60 3	60-80 4	>80 5

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE
 TOTAL WILDFIRE THREAT SCORE: 94 /100

Wildfire Behaviour Threat Class (check applicable one)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-80	<input type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable one)

Low	0-10	<input checked="" type="checkbox"/>
Medium	11-20	<input type="checkbox"/>
High	21-30	<input type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 36 Pictures



Picture 36-1 @ 360 degrees



Picture 36-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 37

Q37

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
Parcel #	937				
Address	Quesnel				
Date	Oct 24/17				
Parcel #	Lot 1				
Geographic Location (Street Name)	Buckwater Ln				
GPS/UTM	N53° 05.38' W122° 40.73'				
Land Ownership	<input checked="" type="checkbox"/> Home <input type="checkbox"/> Trade <input type="checkbox"/> U.L. (Other specify)				
Climate					
Pool	A	B	C	D	E
1. Soft Dead and Abandon Fuel (Lvs)	1-2	3-11	12-18	19-24	>25
2. Lush Soft Greenery (H cover)	<25	26-40	41-60	61-80	>80
3. Vegetation Fuel Characteristics	Wet, Herb, Engaged Green, Low Flammability Index	Herb, Deciduous Shrub	Grass, Conifer Shrub	Flammable	Logskrub, Barberry, Storage Wood, Leafy Shrub
4. Fine Woody Debris (Continuity 1-100% (H cover))	<10% coverage	10-25% coverage	26-50% coverage	>50% coverage	>75% coverage
5. Large Woody Debris (Continuity 1-100% (H cover))	<10% coverage	10-25% coverage	26-50% coverage	>50% coverage	>75% coverage
6. Live and Dead Coniferous Crown Closure (%)	<20	20-40	41-60	61-80	>80
7. Live Deciduous Crown Closure (%)	>80 or <80% coniferous crown closure	41-60	41-60	61-80	>80
8. Live and Dead Conifer Crown Area Height (m)	5 or < 5	5-10	10-15	15-20	>20
9. Live and Dead Supercanopy and Understory Conifer (m ² /ha)	<100	100-1500	1500-2000	2000-4000	>4000
10. Forest Health (% of dominant and co-dominant crown)	Standing Dead and Partly Dead < 10% of crown	Standing Dead and Partly Dead 10-25	Standing Dead and Partly Dead 26-50	Standing Dead and Partly Dead 51-75	Standing Dead and Partly Dead >75
11. Continuous Forest/Dead-Cover within 50m (m)	0-20	21-40	41-60	61-80	>80
Sub total 35 / 100					
Weather					
Weather	A	B	C	D	E
12. Dependability (Day)	All Daylight	06:00-19:00 Day Length	04:30-19:00 Day Length	03:00-19:00 Day Length	01:30
13. Humidity (Relative Humidity (RH) (H cover))	90, 81, 62, 54, 45, 36, 27, 18, 9, 0, 1	62, 54, 45, 36, 27, 18, 9, 0, 1	41, 32, 23, 14, 5, 1	21, 12, 03, 12, 11, 02, 03, 04, 05, 06	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12
Sub total 15 / 70					
Topography					
Topography	A	B	C	D	E
14. Aspect (° (H cover))	North	East	<10% slope, all aspects	West	South
15. Slope (%)	<10	10-25 and max 10% for North slopes	26-40	41-50	>50
16. Drain	Flat	Shallow	Deep gullies, minor flow and drain	Deep drain or gully	Concentrated gully, deep gully
17. Landscape Topographic Continuity in Wildfire Spread	< 5% to isolated forest	North and/or east aspects, dominant, with spread arrested from South and/or West	Miscellaneous terrain, broken topography, regular aspect and slope changes, multiple exposures to wildfire spread	Rolling terrain, minor water bodies, minimal aspect and slope changes, some exposures to wildfire spread	Continuous, continuous topography for exposures to wildfire spread
Sub total 24 / 100					
FUEL, WEATHER AND TOPOGRAPHY					
WILDFIRE BEHAVIOUR THREAT SCORE					
Structural	A	B	C	D	E
18. Number of Structures/Community on Slope	No structures below within 2 km	Bottom of slope, valley bottom	Mid slope (see item 19) <10% slope	Mid slope continuous, >10% slope	Slope 1/3 of Slope
19. Type of Development	No structures below within 2km	Residential interface, no structures	Residential interface, with structures	Interface > 1 structure/ha	Interface > 10 structures/ha
20. Number of Structures and Another in Area	No structures below within 2km	Below	Below	Top of slope	Below
Sub total 100 / 100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE					
106 / 100					

*Based only on fuel and climate
 **Based on structure component only (Wildfire Threat Behaviour Score 1 to 5) for all other pools.

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 10-20

High 21-30

Extreme >30

GDF (updated January 24, 2017)

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 37 Pictures



Picture 37-1 @ 360 degrees



Picture 37-2 @ 218 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 38

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Not Insured Not Insured

Parcel: **Q 38** Community: **Quesnel**

Address: **13 Moray** Geographic Location/Street Name: **Blanchet Rd NW**

Date: **Oct 24/17** GPS/UTM: **N53 05.511 W122 40.901**

Phone: **3 8 4 4** Land Tenure: Lease Other (Specify)

Q38

	A	B	C	D	E
1 Staff Height and Relative Height (m)	1-12 1	13-15 2	16-18 3	19-20 4	>20 5
2 Surface Fuel Continuity (% cover)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woods, Herb, Legume, Grass, Low Fuel Load (1-2)	Herb, Grass, Legume (3)	Conifers, Grass, Shrub (4)	Fireweed, Sagebrush (5)	Softwood, Pine, Spruce, Lodgepole Pine, Sitka Spruce (6)
4 Fine Woody Debris Continuity (1-10m) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (1-10m) (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Low and Dead Coniferous Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Low and Dead Deciduous Crown Closure (%)	>80 or <80% coniferous crown closure 1	41-60 2	41-60 3	61-80 4	>80 5
8 Low and Dead Deciduous Live Height (m)	5+ or <20% conifer crown closure 1	1-5 2	2-12 3	1-12 4	<1 5
9 Low and Dead Suppressed and Subdominant Canopies (Cover %)	<10 1	10-20 2	20-40 3	40-60 4	>60 5
10 Fuel Loads (% of biomass and air-dried mass)	Standing Dead and Fuel Loads <1 or <25 tonnes 1	Standing Dead and Fuel Loads 1-2 2	Standing Dead and Fuel Loads 2-5 3	Standing Dead and Fuel Loads 5-15 4	Standing Dead and Fuel Loads >15 5
11 Continuous Forest/Dead Cover within 10m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Sub Total: **40/100**

	A	B	C	D	E
12 Aspect/Slope Zone	All exposed 1	SW, SE, NW, SW Dry Slope/Wind 2	SW, SE, SW Dry Slope/Wind 3	SW, SE, SW, NW, NW Dry Slope/Wind 4	SW, SE 5
13 General Slope Exposure (to Wind) (m Day)	SE, SW, NE, SW, SE, SW, SW, SE, NE, SE 1	SE, SW, SE, SW, SW, SE, SW 2	SE, SW, SE, SW, SW, SE, SW 3	SE, SW, SE, SW, SW, SE, SW 4	SE, SW, SE, SW 5

Sub Total: **15/50**

	A	B	C	D	E
14 Aspect (>12% slope)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less cover for fuels/slopes 2	20-40 3	40-60 4	>60 5
16 Soils	Top 1	Rock 2	Shallow loam, when low water table 3	Consistent slope, deep water table 4	Consistent slope, deep water table 5
17 Landform/Topographic Conditions in Wildfire Source	<10% isolated forest 1	North and/or east aspects, sheltered, with a windward wall to West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple restrictions to wildfire spread 3	Rolling terrain, water water bodies, natural aspect and slope changes, minor topographic to wildfire spread 4	Continuously, consistent topography, no restrictions to wildfire spread 5

Sub Total: **24/50**

	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure/Values within 1 km 1	Bottom of slope, no vegetation 2	Mid-slope, bare forest, situated within <10% slope 3	Mid-slope, continuous slope 4	Open 1/3 of slope 5
19 Type of Development	No Structure/Values within 1 km 1	Perimeter interface, no vegetation 2	Perimeter interface, with vegetation 3	Interior <1 structure 4	Interior <1 structure 5
20 Position of Structure and Relative to Values	No Structure/Values within 1 km 1	Close >100-200-100 <100 m 2	Close >100-200-100 <100 m 3	Close >100-200-100 <100 m 4	Close >100-200-100 <100 m 5

Sub Total: **23/50**

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE **102/100**

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 14-26

High 27-38

Extreme >39

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 38 Pictures



Picture 38-1 @ 360 degrees



Picture 38-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 39

Q39

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Fuel treatment

Plot #: Q39 Community: Quesnel

Address: 811 Main Geographic Location/Street Name: Millburn Mtn Tower

Date: 8/24/17 Latitude: N53° 01.651' W 122° 44.821'

Plotter: [Signature] Land Ownership: Crown Private U.S. (Other Specify)

Fuel	WILDLAND				
	A	B	C	D	E
1 Self-Spread and Retention Layer (m)	1-2	3-5 Dry Dead Mat 5 2 1	6-10 Dry Dead Mat 10 2 2	10-20 Dry Dead Mat 12 4 4	>20 Dry Dead Mat 10 10 5
2 Surface Fuel Continuity (% area)	<20	20-40	40-60	60-80	80
3 Vegetation Fuel Composition	Stems, twigs, included 1 non, Low Flammability Weeds 1	None Dead 1	Light, Grassy Shrubs 3	Prognosis, 3/4 per 4	Lightweight, Bulk/Grass, Average Fuel, South Slope 5
4 Fine Woody Debris Continuity (% area)	<1 coverage 1	1 coverage <10 coverage 2	10-25 coverage 3	>25 coverage <10 cm deep 7	>25 coverage >10 cm deep 10
5 Large Woody Debris Continuity (% area)	<1 coverage 1	1 coverage <10 coverage 2	10-25 coverage 3	>25 coverage not elevated 7	>25 coverage per elevated 10
6 Live and Dead Coniferous Crown Closure (%)	0	20-40	40-60	60-80	80
7 Live Deciduous Crown Closure (%)	>80% with understory 1	60-80	40-60	20-40	<20 5
8 Live and Dead Coniferous Crown Height (m)	1.5 or <20% canopy coverage 1	3-5	7-13	15-27	>27 10
9 Live and Dead Superspike and Intermediate Canopy Closure (%)	0	100-200 5	100-200 10	200-400 20	>400 10
10 Stand Health (% of dominant and/or co-dominant stems)	Standing Dead and Snags at <20 cm/ha 1	Standing Dead and Snags at 20-50 3	Standing Dead and Snags at 50-100 5	Standing Dead and Snags at 100-200 7	Standing Dead and Snags at 200-500 10
11 Canopy Loss/Slash Cover within 20m (%)	0-20 2	20-40 3	40-60 5	60-80 7	80-100 10
Sub Total 72 / 100					

Weather	WILDLAND				
	A	B	C	D	E
12 Regional Wind	40-100 mph 1	100-120 mph 5	120-150 mph 10	150-200 mph 20	>200 mph 10
13 Annual Weather Parameters for WUI (see text)	60, 41, 42, 54, 95, 94, 95, 93, 85, 98, 97 1	52, 64, 65, 96, 95, 93, 93, 98 5	47, 73, 74, 74, 97, 97, 97 10	47, 63, 63, 72, 72, 95, 94, 94, 93, 92 20	47, 64, 62, 97 10
Sub Total 15 / 100					

Topography	WILDLAND				
	A	B	C	D	E
14 Aspect (>10% slope)	South 1	North 1	<10% slope, all aspects 10	West 12	South 13
15 Slope (%)	<10 1	10-20 per hour with 10% slope 2	20-44 10	45-54 12	>55 13
16 Soils	Flat 1	Rolling 2	Steep slopes, minor erosion 5	Consistent slope, steep down or shallow pull-in 7	Consistent slope, steep pull-in 10
17 Landcover/Topography (continuous to Wildfire Spread)	< 5% no subject forest land 1	North and/or east aspects dominate, wildfire spread restricted from South and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates in wildfire spread large water bodies 5	Rolling terrain, minor water bodies, minimal aspect and slope changes, moderate microclimate wildfire spread 10	Continuous, consistent topography No significant wildfire spread 13
Sub Total 50 / 100					

Structural	WILDLAND				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure Values within 2 km 1	Bottom of slope, valley bottom 5	Mid-slope benches, stepped ridges, <10% slope 10	Mid-slope continuous, >10% slope 12	Open slope 13
19 Type of Development	No Structure Values within 2 km 1	Residential, no business 3	Residential, with business 5	Intense > 1 structures 8	Intense < 1 structures 10
20 Ratio of Investment Area Relative to Values	No Structure Values within 2 km 1	Above >500,000-1,000,000 10 20	Equal >100,000-500,000 10 20	Far below >100,000-500,000 10 20	Below >100,000-500,000 10 20
Sub Total 55 / 100					

Wildland Urban Interface Wildfire Threat Score: **182**

Wildfire Behavior Threat Class (if not applicable):

Low 0-40

Medium 41-65

High 66-100

Extreme >100

Wildland Urban Interface Threat Class (if not applicable):

Low 0-11

Medium 12-26

High 27-39

Extreme >40

Last updated January 26, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 39 Pictures



Picture 39-1 @ 360 degrees



Picture 39-2 @ 90 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 40

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Not evaluated

File #: **Q40** Comments: **Quesnel**

Address: **B. Morrow** Geographic Location/Street Name: **Milburn Tower Rd**

Date: **Oct 24/17** GPS UTM: **NS3 61.347 41220 41749**

Photo: **0, 1, 4** Land Ownership: Crown Private U.S. Other (specify):

Q40

Fuel	LEVEL				
	A	B	C	D	E
1 Soft Leaf and Moisture Regain (m)	1-12 3	2-12 Dry Decid. Dec 5 3 1	3-12 Dry Decid. Dec 10 7	10-20 Dry Decid. Dec 12 9 4	>20 Dry Decid. Dec 15 10 5
2 Surface Fuel Continuity (% cover)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3 Horizontal Fuel Continuity	Woods, herbs, upright grasses, low flammability shrubs 1	Herbs, low shrubs 2	Upright, low shrubs 3	Flammable 4	Large shrubs, bushes, upright shrubs, small trees 5
4 Fine Woody Debris Continuity (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (% cover)	<1 coverage 1	Scattered, <10 coverage 2	10-25 coverage 3	>25 coverage, not elevated 4	>25 coverage, elevated 5
6 Live and Dead Conifers (Cover %)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous (Cover %)	>80 or >80% continuous crown cover 1	61-80 2	41-60 3	20-40 4	<20 5
8 Live and Dead Deciduous (Cover %)	5+ or >20% canopy cover 1	3-5 2	3-15 3	1-12 4	<1 5
9 Live and Dead Leguminous and Other Woody (Cover %)	5+ 1	30-100 2	100-200 3	200-400 4	>400 5
10 Fuel Loads (% of dominant and co-dominant species)	Standing Dead and Fuel Loads <1 1	Standing Dead and Fuel Loads 1-22 2	Standing Dead and Fuel Loads >25-50 3	Standing Dead and Fuel Loads >50-75 4	Standing Dead and Fuel Loads >75 5
11 Continuous Forest/Dead Cover within 200m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 97 /100					
Weather					
12 Days/Weeks Dry	All wetland 1	0-1, 12-18 Dry Decid. Dec 5 3 1	19, 20, 100 Dry Decid. Dec 10 7	60, 65, 80%, 100% or all 60-80, 100 - Dry Decid. Dec 10 7 5 5	90-95 10
13 Annual Weather (Average by Month (m))	01, 01, 02, 04, 05, 06, 09, 10, 10, 04, 07 1	02, 02, 03, 04, 04, 07, 04, 08 2	07, 13, 04, 04 3	01, 01, 01, 01, 01, 01, 01, 01, 01, 01, 01, 01 4	07, 06, 02, 01 5
Sub Total 15 /100					
Topography					
14 Aspects (% FWA slope)	North 1	1-27 2	<10% slope of aspects 3	West 4	>10 5
15 Slope (%)	<10 1	10-20 and not water courses 2	20-40 3	40-60 4	>60 5
16 Slopes	Flat 1	Rolling 2	Steep slopes, minor dead trees 3	Consistent slope, one down or shallow gully 4	Consistent slope, deep gully 5
17 Landcover Topographic Continuity in visible ground	<1 low relative forest level 1	North and/or east aspect, moderate to high forest cover 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple vegetation types, wildfire-prone 3	Rolling terrain, minor water bodies, normal aspect and slope changes, minor vegetation type changes 4	Continuous, consistent topography, major water bodies, wildfire-prone 5
Sub Total 40 /100					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE HAZARD THREAT SCORE					
Sub Total 152 /140**					
Structural					
18 Number of Structures/Community in Slope	No Structures Within 200m 1	Below 100m, within 200m 2	Not visible from road, elevated water, <10% slope 3	100m slope continuous, >10% slope 4	>100m slope 5
19 Type of Development	No Structures Within 200m 1	Residential interface, no inclusions 2	Residential interface, with inclusions 3	Interface > 1 structure 4	Interface < 1 structure 5
20 Size of Structure Area Relative to Slope	No Structures Within 200m 1	Below >100 200-500 <200m 1 10 20	500-8 >500 200-500 <200m 1 12 23	Flat/Rolling >500 200-500 <200m 1 12 23	Below >500 200-500 <200m 1 12 23
Sub Total 55 /100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
Sub Total 207 /240					

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 40 Pictures



Picture 40-1 @ 360 degrees



Picture 40-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 41

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel # Q41 Community Quesnel No treatment Post-assess

Address B. Marrow Geographic Location (Lot Name) Milken Town Rd

Date Oct 27, 17 GPS/VM N53 01.35T W122 41.72S

Photos 0 4 Land Ownership Crown Private (L) Other (specify)

Q41

Fuel	LEVELS				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (20)	1-12 2	2-12 Dry (fuel wet) 2 3 4	1-12 2 3	12-20 Dry (fuel wet) 12 3 4	>20 Dry (fuel wet) 12 13
2 Surface Fuel Continuity (20 uses)	<10 2	20-40 2	41-60 2	61-80 2	>80 2
3 Vegetation Fuel Composition	Moist, herb, high fuel load, high flammability (20)	Herb, deciduous shrubs (2)	Conifer, conifer shrubs (2)	Deciduous (2)	Leguminous, non-flammable, average fuel load (2)
4 Fine Woody Debris Continuity (>1.5m) (10 uses)	<10 2	Sustained, <10 coverage (2)	10-20 coverage (2)	>20 coverage, >10 on steep (2)	>20 coverage, >10 on steep (2)
5 Large Woody Debris Continuity (>1.5m) (10 uses)	<10 2	Sustained, <10 coverage (2)	10-20 coverage (2)	>20 coverage, not treated (2)	>20 coverage, partially treated (2)
6 Live and Dead Coniferous Crown Closure (%)	<20 2	20-40 2	41-60 2	61-80 2	>80 2
7 Live Deciduous Crown Closure (%)	>80 or >10% continuous crown closure (2)	61-80 2	41-60 2	20-40 2	<20 2
8 Live and Dead Coniferous Live Height (m)	5m or <10% canopy closure (2)	5-10 2	2-13 2	1-12 2	<1 2
9 Live and Dead Leguminous and Deciduous Live Height (m)	5-10 2	10-100 2	100-200 2	200-400 2	>400 2
10 Fuel Health (% of stems and/or branches dead)	Standing dead and partly dead >10 (2)	Standing dead and partly dead 5-10 (2)	Standing dead and partly dead >10-20 (2)	Standing dead and partly dead >20-75 (2)	Standing dead and partly dead >75 (2)
11 Continuous Crown/Dead Crown within 10m (%)	0-20 2	21-40 2	41-60 2	61-80 2	>80 2
Sub total <u>27</u> / 100					
Weather					
12 Windspeeds (km/h)	0-10 (2)	10-15 (2)	15-20 (2)	20-40 (2)	40-60 (2)
13 Humidity (Relative Humidity %)	0-10 (2)	10-20 (2)	20-30 (2)	30-40 (2)	40-50 (2)
Sub total <u>13</u> / 100					
Topography					
14 Aspects (>10% slope)	North (2)	East (2)	>10% slope, all aspects (2)	West (2)	South (2)
15 Slope (%)	<10 (2)	10-20 (2)	20-40 (2)	40-60 (2)	>60 (2)
16 Terrain	Flat (2)	Rolling (2)	Steep (2)	Concave slope, steep descent or shallow profile (2)	Concave slope, steep profile (2)
17 Landowner Topographic Features (in relation to wildfire spread)	<10 (2)	North and/or east aspects, concave, wildfire spread restrictions South and/or West (2)	West and/or South, concave, topography regular aspect and slope changes, wildfire spread restrictions in wildfire spread (2)	Rolling terrain, minor slope breaks, irregular aspect and slope changes, minor restrictions in wildfire spread (2)	Concave, irregular topography, no restrictions in wildfire spread (2)
Sub total <u>12</u> / 100					
FUEL, WEATHER AND TOPOGRAPHY					
Sub total <u>52</u> / 100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
Sub total <u>129</u> / 200					
STRUCTURAL					
18 Position of Structure/ Community on Slope	No Structure (2)	Bottom of slope, within 10m (2)	Mid-slope level/flat, elevated safety, >10% slope (2)	Mid-slope and/or crest, >10% slope (2)	Steep top of slope (2)
19 Type of Development	No Structure (2)	Permitted structure, no features (2)	Permitted structure, with features (2)	Structure >1 structure (2)	Structure >1 structure (2)
20 Position of Structure in Relation to Neighbours	No Structure (2)	Close >100-200-200m (2)	Subsid >100-200-200m (2)	Full buffer >100-200-200m (2)	Buffer >100-200-200m (2)
Sub total <u>50</u> / 100					
TOTAL WILDFIRE THREAT SCORE <u>179</u> / 200					

Wildfire Behaviour Threat Class (not applicable here)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (not applicable here)

Low 0-50

Medium 51-75

High 76-125

Extreme >125

Last updated January 26, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 41 Pictures



Picture 41-1 @ 360 degrees



Picture 41-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 42

Q42

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Full treatment

File #: Q42 Community: Quesnel

Action: Review Geographic Location/Street Name: Milburn Park Rd

Date: 8/27/17 GPS/UTM: N53° 01' 00" W 122° 45' 01"

Parcel: 2 3 4 Land Ownership: Owner Lease R.A. (Other Specify)

Point	A	B	C	D	E
1. Soil Depth and Moisture Regime (in)	1-12 2	2-17 Dry Soil Reg. 2 3 2 1	2-19 Dry Soil Reg. 2 3 2 1	19-25 Dry Soil Reg. 2 3 2 1	>25 Dry Soil Reg. 2 3 2 1
2. Surface Soil Conductivity (in/cm)	<20 2	20-40 2	40-60 2	60-80 2	80-100 2
3. Vegetation Fuel Description	Wet, herb, Impure Grass, Low Flammability Index 1	Herb, Dry, Conifer 2	Lush, Conifer 3	Prognosis, Shrub 4	Scrub, Shrub, Arid Grass, Lush Grass 5
4. Low Wind Safety (in/100 ft) (in/cm)	<7 coverage 1	7-14 coverage 2	14-21 coverage 2	>21 coverage, < 10 in deep 2	>21 coverage, > 10 in deep 3
5. Upper Wind Safety (in/100 ft) (in/cm)	<7 coverage 1	7-14 coverage 2	14-21 coverage 2	> 21 coverage, not exposed 2	> 21 coverage, partially exposed 3
6. Live and Dead Canine Crown Closure (%)	0 1	20-40 2	40-60 2	60-80 2	80-100 2
7. Live Canine Crown Closure (%)	>80 or >10% vertical crown closure 2	60-80 2	40-60 2	20-40 2	<20 2
8. Live and Dead Canine Base Height (in)	5' or <10% under canopy 1	3-5 2	2-13 2	1-12 2	<1 2
9. Live and Dead Supercanal and Secondary Canine Crown Closure (%)	0 1	50-100 2	100-200 2	200-400 2	>400 2
10. Aerial Health (% of dominant and co-dominant trees)	Standing Dead and Partly Dead < 1 or 0% 1	Standing Dead and Partly Dead 1-25 2	Standing Dead and Partly Dead >25-50 2	Standing Dead and Partly Dead >50-75 2	Standing Dead and Partly Dead >75 2
11. Continuous Forest Stand Cover within 200 ft (%)	0-20 2	21-40 2	41-60 2	61-80 2	81-100 2

Sub Total 31

Weather	A	B	C	D	E
12. Relative Humidity (%)	<70 1	70-75 2	76-80 2	81-85 2	86-100 2
13. Windy Weather Occurrence (by WSE) (in Day)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 1	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 2	03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 2	04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 2	05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 2

Sub Total 15

Topography	A	B	C	D	E
14. Aspect (in 100 ft)	South 2	0 1	<10% slope of aspect 2	West 2	South 2
15. Slope (%)	<10 1	10-20 2	20-34 2	35-54 2	>55 2
16. Slope	Flat 1	Rolling 2	Discontinuous, minor gullies 2	Continuous, steep descent or shallow pull-in 2	Continuous, steep pull-in 2
17. Landscape Topographic Conditions in Wildfire Spread	< 10 to isolated forest 1	North and/or east aspect, continuous, wildfire spread restriction from South and/or West 2	Microclimate, terrain, bottom topography, regular aspect and slope changes, multiple restrictions to wildfire spread, large water bodies 2	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor restrictions to wildfire spread 2	Continuous, consistent topography, no restrictions to wildfire spread 2

Sub Total 19

FUEL WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Proximity of Structures/Community to Slope	No structures/development 1	Bottom of slope, no structures 2	Mid-slope, bottom, elevated, <10% slope 2	Mid-slope, continuous, >10% slope 2	Upper 1/3 of slope 2
19. Type of Development	No structures/development 1	Perimeter interface, no structures 2	Perimeter interface, with structures 2	Interior, < 1 structure 2	Interior, > 1 structure 2
20. Proximity of Dominant Tree Species to House	No structures/development 1	None 2	Scattered 2	Partial cover 2	None 2

Sub Total 20

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 75

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 79

Wildfire Behavior Threat Class (check applicable cell)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable cell)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 42 Pictures



Picture 42-1 @ 360 degrees



Picture 42-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 43

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot #: Q43 Community: Quesnel No treatment Post treatment

Address: B.M. Brown Geographic Location/Street Name: Millen Tower Rd

Date: 08/24/17 GPS/UTM: N53 0843 W120 4746

Photos: 1, 2, 4 Land Tenure: Crown Private LA Other (specify):

Q43

	A	B	C	D	E
1 Fuel Type and Moisture Regime (a)	1-2	3-5 Dry Grass/Herb 5 3 1	6-9 Dry Shrubland 12 8 7	10-20 Dry Shrubland 12 8 4	>20 Dry Shrubland 10 1
2 Surface Fuel Continuity (b) (a)	<2	20-40	41-60	61-80	>80
3 Successional Competition	Woods, herbs, sedge/forbs, low flammability shrubs 1	Shrub 20-40 2	Grass, sedge/forbs 3	Forbgrass, sedge 4	Shrub/forb, herb sedge, sedge/forb, sedge/forb 5
4 Fine Woody Debris Continuity (>1cm) (b) (a)	<7 coverage	7-15 coverage <10 coverage 1	16-25 coverage 2	>25 coverage 4-10 cm deep 3	>25 coverage >10 cm deep 4
5 Large Woody Debris Continuity (>1cm) (b) (a)	<7 coverage	7-15 coverage <10 coverage 2	16-25 coverage 3	>25 coverage not applicable 4	>25 coverage not applicable 5
6 Live and Dead Grasses/Forbs Cover Class (b)	1	20-40 5	41-60 12	61-80 13	>80 10
7 Live Grasses/Forbs Cover Class (b)	>40 or >10% continuous cover class 1	41-60 2	41-60 3	20-40 4	>80 5
8 Live and Dead Sedge/Forb Cover Class (b)	1 or <20% cover class 1	3-5 2	3-13 3	1-12 10	<1 12
9 Live and Dead Legume and Shrub/Tree Cover Class (b)	1	101-200 1	101-200 2	201-400 3	>400 4
10 Stump Density (% of landscape and/or adjacent areas)	Standing Dead and partly decay 0-25 1	Standing Dead and partly decay 26-50 2	Standing Dead and partly decay 51-75 3	Standing Dead and partly decay 76-100 4	Standing Dead and partly decay >100 5
11 Continuous Forest Dead Cover within 10m (b)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather

	A	B	C	D	E
12 Regional Climate Zone	W1, W2 1	CSA, CSB, CSD, Dry Shrubland 2	CSA, CSB, CSD, Dry Shrubland 3	CSA, CSB, CSD, S.A.S., S.B.S., S.D.S. - Dry Shrubland 4	CSA, CSB 5
13 Annual Wildfire Occurrence by 1000-Hr Zone	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 1	02, 03, 05, 06, 08, 07, 01, 09 2	02, 03, 04, 05 3	01, 02, 03, 04, 05, 06, 07, 08, 09, 10 4	01, 02, 03, 04, 05 5

Topography

	A	B	C	D	E
14 Aspect (>17% slope)	North 1	East 2	<10% slope of aspect 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and near zero for North slopes 2	21-30 3	31-40 4	>40 5
16 Soils	Fire 1	Ashy 2	Developed, moderate to high ash 3	Continuous cover, deep dunes or shallow gullies 4	Continuous cover, deep gullies 5
17 Landscape Topographic Continuity to Wildfire Spread	< 5% isolated forest 1	North and/or east aspects dominant, wildfire spread with dead forest fuels and/or herb 2	North-south forest, broken topography, regular aspect and slope changes, high vegetation to within spread large water bodies 3	Ashy terrain, water water bodies, minimal aspect and slope changes, other vegetation to within spread 4	Continuous, continuous topography, no vegetation to within spread 5

FUEL, WEATHER AND TOPOGRAPHY

	A	B	C	D	E
18 Fuel Type/Continuity/Community on Slope	No Structure 1	Structure of open, well-ventilated 2	W-1 slope for fuel and structure 3	W-1 slope and forest, >10% slope 4	W-1 slope 5
19 Use of Development	No Structure 1	Perimeter structure 2	Perimeter structure with setbacks 3	Structure > 1 structure 4	Structure > 1 structure 5
20 Fuel Type/Continuity/Community on Slope	No Structure 1	Structure 2	Structure 3	Structure 4	Structure 5

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

Sub Total: 61 / 100

Sub Total: 15 / 30

Sub Total: 45 / 100

Sub Total: 127 / 140

Wildfire Behaviour Threat Class (if not applicable)

Low 0-10

Medium 11-20

High 21-30

Extreme 31-40

Wildland Urban Interface Threat Class (if not applicable)

Low 0-10

Medium 11-20

High 21-30

Extreme 31-40

Iss: Quesnel January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 43 Pictures



Picture 43-1 @ 90 degrees



Picture 43-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 44

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For structure Non-structure

File # 044 Community Quesnel
 Address 011111 Geographic Designation Name Milgram Mill Rd
 Box 011111 GPS UTM N 53° 00' 44.4" W 122° 44' 48.1"
 Parcel # 0 5 24 Land Ownership Crown Private I.R. Other (specify)

044

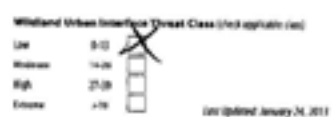
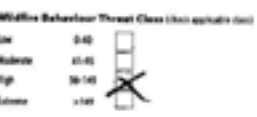
Fuel	UNBUILT				
	A	B	C	D	E
1 Soft Leafed and Medium Density (m)	1-2 1	3-4 2	5-10 3	10-20 4	>20 5
2 Surface Fuel Continuity (% cover)	<20 1	20-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Woods, herbs, fragmented cover, low flammability weeds 1	Herbs, Deciduous Shrubs 2	Conifers, Conifer Shrubs 3	Conifers 4	Leguminosae, Berberis, Asteraceae, Shrub, Suckers 5
4 Fine Woody Debris Continuity (>10cm (% cover))	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, < 10 cm deep 4	>25 coverage > 10 cm deep 5
5 Large Woody Debris Continuity (>10cm (% cover))	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage partially stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>40 or >10% continuous crown closure 1	41-60 2	61-80 3	81-100 4	>100 5
8 Live and Dead Coniferous Crown Height (m)	5+ or <20% deciduous crown closure 1	3-5 2	3-15 3	15-25 4	>25 5
9 Live and Dead Coniferous and Deciduous Crown Closure (%)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5
10 Forest Density (% of dominant and co-dominant trees)	Standing Dead and Partly Dead 1	Standing Dead and Partly Dead 2	Standing Dead and Partly Dead 3	Standing Dead and Partly Dead 4	Standing Dead and Partly Dead 5
11 Continuous Forest/Dead Cover within 30m (%)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5

Weather	Sub Total				
	A	B	C	D	E
12 Days/Weeks Dry	0-10 days 1	11-20 days 2	21-30 days 3	31-40 days 4	>40 days 5
13 Minimum Winter Precipitation (mm)	0-10 1	11-20 2	21-30 3	31-40 4	>40 5

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope of aspect 3	South 4	West 5
15 Slope (%)	<10 1	10-25 and near zero for back slopes 2	26-40 3	41-60 4	>60 5
16 Soils	Flat 1	Sandy 2	Shallow soils 3	Consistent slope, deep soils or shallow gullies 4	Consistent slope, deep gullies 5
17 Landowner Topographic Information in Wildlife Survey	< 5% for total forest land 1	North and/or east aspect, consistent, wildfire spread restricted from south, wildfire threat 2	Wildfire threat, broken topography, major aspect and slope changes, multiple orientations to wildfire spread, large water bodies 3	Acting terrain, wildfire water bodies, irregular aspect and slope changes, other vegetation in or near forest 4	Consistent, consistent topography, no restriction to wildfire spread 5

FUEL, WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Position of Structure/Continuity on Slope	Top of slope 1	Bottom of slope, valley bottom 2	Mid slope horizontal, elevated ridges, <10% slope 3	Mid slope continuous, >10% slope 4	Upper 1/3 of slope 5
19 Type of Development	Single detached 1	Perimeter porches, no balconies 2	Perimeter porches, with no balconies 3	Interior > 1 structure 4	Interior < 1 structure for substructure 5
20 Position of Structure Area Relative to Neighb	No structure 1	100-200-300 < 200m 2	300-400 < 200m 3	400-500 < 200m 4	500-600 < 200m 5

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: 111 / 200



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 44 Pictures



Picture 44-1 @ 360 degrees



Picture 44-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 45

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessment Post-assessment

File #: Q45 Community: Quesnel

Assessor: B. Macdon Geographic Location/Street Name: King Pitt Rd

Date: 03/22/17 GPS/UTM: N53 04.27N W122 44.00W

Parcel: 0 8 4 Land Ownership: Owner Lease Other (Specify):

Q45

Fuel	FUEL				
	A	B	C	D	E
1 Softwood and Medium-Density (m)	1-12 2	2-15 Dry Standoff 2 2 2	3-18 Dry Standoff 3	19-24 Dry Standoff 2 2 4	>25 Dry Standoff 2 2 5
2 Softwood Community (M area)	<10 2	25-40 2	41-60 2	61-80 4	81-100 5
3 Vegetation Fuel Categories	Wet, Ditch, Invasive Grass, Low Fuel-loading Woods 1	Wet, Ditch, Invasive Grass 2	Wet, Ditch, Invasive Grass 3	Wet, Ditch, Invasive Grass 4	Wet, Ditch, Invasive Grass, Shrubland, Shrubland, Shrubland 5
4 Fine Woody Debris Community (<100m) (M area)	<1 coverage 1	Saturated, <10 coverage 2	10-25 coverage 3	>25 coverage, <10m area 4	>25 coverage, >10m area 5
5 Large Woody Debris Community (>100m) (M area)	<1 coverage 1	Saturated, <10 coverage 2	10-25 coverage 3	>25 coverage, not elevated 4	>25 coverage, elevated 5
6 Live and Dead Conifers (Class 1-3) (M)	<10 2	11-20 3	21-30 4	31-40 5	>40 6
7 Live Deciduous (Class 1-3) (M)	>80 or >40% deciduous crown cover 1	41-60 2	61-80 3	81-100 4	>100 5
8 Live and Dead Conifer/Decid (Class 1-3) (M)	50 or <20% deciduous crown cover 1	3-5 2	2-12 3	13-20 4	>20 5
9 Live and Dead (Lupin/Lupin and other) (Class 1-3) (M)	1 2	30-100 3	100-200 4	200-400 5	>400 6
10 Forest Health (M of Community and or adjacent forest)	Standing Dead and Partly Dead <10 1	Standing Dead and Partly Dead <20 2	Standing Dead and Partly Dead <30 3	Standing Dead and Partly Dead <40 4	Standing Dead and Partly Dead <50 5
11 Continuous Forest/Decid (Class 1-3) (M)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5

Weather	WEATHER				
	A	B	C	D	E
12 Regional Wind	All regions 1	OK, 100, 100 Dry Standoff 2 2 2	OK, 100, 100 Dry Standoff 3 3 3	OK, 100, 100, 100 & 100 Dry Standoff 4 4 4	OK, 100, 100, 100 & 100 Dry Standoff 5 5 5
13 Relative Humidity (M of Community and or adjacent forest)	OK, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53 1	21, 22, 23, 24, 25, 26, 27, 28, 29 2	31, 32, 33, 34, 35, 36, 37, 38, 39 3	41, 42, 43, 44, 45, 46, 47, 48, 49, 50 4	51, 52, 53, 54, 55, 56, 57, 58, 59, 60 5

Topography	TOPOGRAPHY				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope of aspect 3	West 4	South 5
15 Slope (%)	<10 1	10-25 2	26-40 3	41-54 4	>55 5
16 Slope	Flat 1	Rolling 2	Open slopes, steep slopes 3	Consistent slope, steep slopes or shallow gullies 4	Consistent slope, steep gullies 5
17 Landscape/Topography (Indicators in wildfire spread)	<10 isolated forest 1	North and/or east aspects, flatlands, with irregular patches from South and/or West 2	Non-continuous forest, broken topography, irregular aspect and slope changes, multiple indicators in wildfire spread 3	Rolling terrain, major water bodies, irregular aspect and slope changes, multiple indicators in wildfire spread 4	Continuous, level land topography, multiple indicators in wildfire spread 5

Structural	STRUCTURAL				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No structure adjacent to slope 1	Bottom of slope, with buffers 2	Mid-slope berms, elevated walls, <10% slope 3	Mid-slope berms, >10% slope 4	Upper 1/3 of slope 5
19 Size of Development	No structures, 1-2 lots 1	Permanent structure, no indicators 2	Permanent structure with indicators 3	Interim >1 structure/lot 4	Interim <1 structure/lot 5
20 Position of Structure Line Relative to Slope	No structure 1	Along >100-200-100 <200 m 1 10 20	Along >100-200-100 <200 m 1 12 23	Along >100-200-100 <200 m 1 12 23	Along >100-200-100 <200 m 1 13 23

Wildfire Behaviour Threat Class (check applicable fuel)

Wildland Urban Interface Threat Class (check applicable fuel)

Wildfire Behaviour Threat Class (check applicable fuel)

Low 0-40

Medium 41-60

High 61-100

Critical >100

Wildland Urban Interface Threat Class (check applicable fuel)

Low 0-10

Medium 10-20

High 21-30

Critical >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 45 Pictures



Picture 45-1 @ 360 degrees



Picture 45-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 46

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In-treatment Post-treatment

Plot # 946 Community Quesnel

Address B. Morrow Geographic Location/Street Name King Rd W

Date Oct 24/17 UIC/UC NSB 04 267 WMA 23.951

Phone 8 4 Land Ownership Crown Private Other (specify)

946

Fuel	LEVELS				
	A	B	C	D	E
1 Soft-Tuff and Andesite System (S)	1-12	2-13 Dry Stand 10	3-18 Dry Stand 10 2	10-25 Dry Stand 10 2	>25 Dry Stand 10 2
2 Lignite Fuel Community (N, low)	<25	25-40	41-60	61-80	>80
3 Hummock Fuel Community	Woods, herbs, Ingrated (low), Low Fuelability (low)	Woods, Decid. Conifers	Conifer, Conifer Decid.	Progress, Juniper	Superspruce, Bamboo, Average Spruce, Scrub Spruce
4 Fine Woody Debris Community (>10m) (N, low)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage < 10 cm deep	>25 coverage in 10 cm deep
5 Large Woody Debris Community (>10m) (N, low)	0	Scattered <10 coverage	10-25 coverage	>25 coverage well exposed	>25 coverage partially exposed
6 Live and Dead Coniferous Green-Cover (N)	0	25-40	41-60	61-80	>80
7 Live Deciduous Green-Cover (N)	>40 or >40% with dense crown cover	41-60	0	20-40	<20
8 Live and Dead Coniferous Bare Height (N)	1+ or 0	3-5	3-12	1+12	<1
9 Live and Dead Coniferous and Deciduous Coniferous (low/med)	0	101-1000	101-1000	200-4000	>4000
10 Dead Woody Debris (>10m) and Deciduous (low)	Standing Dead and Partly Dead <1 or <10 coverage	Standing Dead and Partly Dead	Standing Dead and Partly Dead >10-25	Standing Dead and Partly Dead >25	Standing Dead and Partly Dead >25
11 Continuous Forest Dead Cover within 10m (N)	0-20	21-40	41-60	61-80	>80
Sub Total 79 /188*					

Weather	A	B	C	D	E
12 Atmospheric Drier	<1 Inverted	0-10, 10-40 Dry Stand 10	10-15, 15-25 Dry Stand 10	25-40, 40-60, 60-80, 80-100 - Dry Stand 10	FF 80
13 Absent Wildfire Season (N WMA (N, low)	01, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10	02, 03, 04, 05, 06, 07, 08, 09	07, 07, 08, 09	01, 02, 03, 04, 05, 06, 07, 08, 09	01, 02, 03, 04, 05, 06, 07, 08, 09
Sub Total 15 /30					

Topography	A	B	C	D	E
14 Aspect (>10% slope)	North	0-7	<10% slope of aspect	West	South
15 Slope (N)	<1%	10-20 and then some for higher slopes	20-40	40-74	>75
16 Depth	0-1	Shallow	Deep enough water to burn	Considerable depth deep enough to burn	Considerable depth deep enough
17 Landscape/Topographic Complexity in Wildfire Season	<1 or no isolated forest land	North and/or east aspects contain, within spread withered forest, both within 10m	Whereas forest, broken topography, irregular aspect and slope changes, multiple roadways in wildfire season	Winding terrain, minor water barriers, minimal aspect and slope changes, minor roadways in wildfire season	Complex, unobstructed topography, no roadways in wildfire season
Sub Total 79 /100					

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE					
Structural	A	B	C	D	E
18 Position of Structures/ Community on Slope	No structures within 10m	Bottom of slope, within 10m	Mid slope level land, angled valley, <10% slope	Mid slope level land, >10% slope	Upper 1/3 of Slope
19 Type of Development	No structures within 10m	Residential interface, no structures	Residential interface, with structures	Reserves + 1 structure/ha	Reserves + 1 structure/ha plus structures
20 Position of Assessment Area Relative to Urban	No structures within 10m	Close >100-200-300-400m	Scattered >100-200-300-400m	Clustering >100-200-300-400m	Border >100-200-300-400m
Sub Total 79 /100					

*Based only on fuel table total score.

**Based on Structural component only of Wildfire Threat Behaviour Score is +10 for unseasonal polygons.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **79** /100

Wildfire Behaviour Threat Class (check applicable row)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check applicable row)

Low 0-13

Medium 14-20

High 21-29

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 46 Pictures



Picture 46-1 @ 360 degrees



Picture 46-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 47

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In treatment Not treated

Plan # **Q47** Community **Quesnel**
 Name **B. Moody** Geographic location Street Name **Highway 24**
 Date **02/24/17** GPS UTM **N55 055 217 W122 42.796**
 Priority **3** Land Ownership Crown Private Other (specify)

Fuel	WILDLAND				
	A	B	C	D	E
1 Soil Type and Moisture Regime (see)	1-12 1	1-13 Dry Soil Wet 2 1	1-17B Dry Soil Wet 10 2	1-22 Dry Soil Wet 12 4	>25 Dry Soil Wet 12 10 5
2 Surface Fuel Continuity (see code)	<10 1	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Woods, herbs, forage, grasses, low flammability (see)	Herbs, Deciduous Shrubs	Conifers, Conifer Shrubs	Conifers	Deciduous, Evergreen, Shrub, Grass, Forage, Deciduous Shrub
4 Fine Woody Debris Continuity (1-100) (see code)	<15 coverage 1	>15 coverage 2	10-25 coverage 3	>25 coverage, <10 on top 4	>25 coverage, >10 on top 5
5 Large Woody Debris Continuity (1-100) (see code)	<15 coverage 1	>15 coverage 2	10-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partly stacked 5
6 Live and Dead Coniferous Crown Closure (%)	<25 1	26-40 2	41-60 3	61-80 4	>80 5
7 Live Deciduous Crown Closure (%)	>40 or >20% and surface crown closure 1	41-60 2	61-80 3	>80 4	>80 5
8 Live and Dead Coniferous Above-Crown Fuel	1-1 or <20% on the crown closure 1	1-5 2	1-12 3	>12 4	>12 5
9 Live and Dead Suppressed and Subdominant Canopies (see code)	0 1	201-1000 2	1001-2000 3	2001-4000 4	>4000 5
10 Fuel Moisture (% of ground and on-ground fuels)	Standing Dead and Fuel Moisture <15 1	Standing Dead and Fuel Moisture 15-25 2	Standing Dead and Fuel Moisture >25-50 3	Standing Dead and Fuel Moisture >50-75 4	Standing Dead and Fuel Moisture >75 5
11 Continuous Forest/Dead Cover within 100m (%)	0 1	21-40 2	41-60 3	>60 4	>80 5
Sub Total 30 / 100**					
Weather					
12 Windy/Stormy Day	0-1 included 1	2-6, 12, 14 Dry Soil Wet 2 3 1	7-9, 10, 11, 13 Dry Soil Wet 3 3 2	12, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 Dry Soil Wet 3 3 1	31-36 11
13 Annual Weather Occurrence (see code)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 1	02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 1	07, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 1	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 1	07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 1
Sub Total 15 / 100					
Topography					
14 Aspect (1-178 slope)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (%)	<10 1	10-25 and most with North slopes 2	26-40 3	41-54 4	>55 5
16 Soils	1-6 1	7-10 2	11-15 3	16-20 4	>21 5
17 Landcover Topography Continuity to Wildfire Spread	<1% no related forest 1	North and/or east aspect, forested, within 100m setback from road 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple wet/dry line, within 100m setback 3	Rolling terrain, minor water bodies, irregular aspect and slope changes, minor wet/dry lines within 100m setback 4	Continuously, consistent topography, no wet/dry lines within 100m setback 5
Sub Total 10 / 100					
FUEL, WEATHER AND TOPOGRAPHY					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 55 / 100**					
Structural					
18 Position of Structures/Community on Slope	No Structures/Water within 1 km 1	Bottom of slope, valley bottom 2	Mid slope (steep), elevated ridge, <10% slope 3	Mid slope (gentle), elevated ridge, >10% slope 4	Upper 1/3 of Slope 5
19 Type of Development	No Structures/Water within 1 km 1	Residential interface, no indicators 2	Residential interface, with indicators 3	Interface >1 structure/ha 4	Interface <1 structure/ha 5
20 Position of Assessment Area Relative to Values	No Structures/Water within 1 km 1	Below >100 200 300 - 200 m 1 10 20	Between >100 200 300 - 200 m 1 12 20	Top/Flanking >100 200 300 - 200 m 1 12 20	Above >100 200 300 - 200 m 1 12 20
Sub Total 15 / 100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE 116 / 100					

**Based only on fuel sub total <= 25
 ***Based on structural component only of Wildfire Threat Assessment Score >= 80 for unseasonably dry years.

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40
 Moderate 41-60
 High 61-142
 Extreme >143

Wildland Urban Interface Threat Class (check applicable box)

Low 0-15
 Moderate 16-25
 High 26-35
 Extreme >36

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 47 Pictures



Picture 47-1 @ 360 degrees



Picture 47-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 48

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Parcel: Q48 Community: Quesnel
 Address: 3145 W. Main St Geographic Address: Blue Ridge Rd
 Date: 04/27/17 UTM: N55 00658 W192 22.216
 Plot: 2 Land Use: Forest Field Other (specify):

Q48

Fuel	Livella				
	A	B	C	D	E
1 Soft/Spruce and Aspen (A-1)	1-2 2	2-3 Spruce/Wet 2 2 1	3-4 Spruce/Wet 2 2 2	5-6 2 2 2	7-8 2 2 2
2 Soft Aspen (A-2)	<2 2	2-4 2	4-6 2	6-8 2	8-10 2
3 Regional Fuel Composition	Wet, North, Spruce/Wet, Low Flammability 2	North, Deciduous/Conifer 2	Conifer, Conifer/Deciduous 2	Fireweed, Juniper 2	Regional, Aspen/Wet, Aspen/Wet, Aspen/Wet 2
4 Fine Woody Debris Cover (A-1) (A-2)	<1 coverage 1	1-5 coverage 1	5-10 coverage 1	>10 coverage, not stacked 2	>10 coverage, >10 in deep 2
5 Large Woody Debris Cover (A-1) (A-2)	<1 coverage 1	1-5 coverage 1	5-10 coverage 1	>10 coverage, not stacked 2	>10 coverage, partially stacked 2
6 Low and Dead Conifer Cover (A-1)	<2 2	2-4 2	4-6 2	6-8 2	8-10 2
7 Low Deciduous Cover (A-1)	>2 or >10% of forest floor cover 2	4-6 2	6-8 2	8-10 2	10-12 2
8 Low and Dead Conifer Cover (A-2)	2 or >10% conifer cover/cover 2	2-4 2	4-6 2	6-8 2	<1 2
9 Low and Dead Juniper and Aspen Cover (A-1)	0-2 2	2-4 2	4-6 2	6-8 2	>8 2
10 Dead Woody Cover (A-1) (A-2)	Standing Dead and Partly Dead <1 2	Standing Dead and Partly Dead 1-2 2	Standing Dead and Partly Dead >2-10 2	Standing Dead and Partly Dead >10-15 2	Standing Dead and Partly Dead >15 2
11 Continuous Layer Dead Cover with 100% (A)	0-2 2	2-4 2	4-6 2	6-8 2	>8 2

Weather	Sub Total				
	A	B	C	D	E
12 Atmospheric Dose	0-1 1	1-2 2	2-3 2	3-4 2	4-5 2
13 Annual Wildfire Frequency (A-1) (A-2)	01, 01, 02, 04, 05, 06, 07, 07, 07, 08, 07 1	01, 04, 05, 06, 06, 07, 08, 08 1	07, 07, 04, 04, 07, 07 1	01, 05, 05, 06, 07, 08, 08, 08, 08, 08, 08, 08 1	07, 08, 08, 08 1

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (A-1) (A-2)	North 2	East 2	<10% slope 2	West 2	South 2
15 Slope (A)	0 2	10-25 and less slope for both sides 2	26-44 2	45-54 2	>55 2
16 Slew	Flat 1	2-3 2	Shallow terrain, minor low relief slope 1	Consistent slope, steep down or shallow up/side 2	Consistent slope, steep up/side 2
17 Landscape Topographic Complexity in Wildfire Event	<1 no isolated forest land 1	North-south and east-west dominance, with no spread restricted flow South and West 2	North-south terrain, border topography, minor aspect and slope changes, multiple small flows in with no spread large water bodies 2	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor impact into with no spread 2	Continuous, consistent topography for most flows in with no spread 2

FUEL, WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Number of Structures/ Community on Slope	No Structures within 1 km 2	Between 1-2 within 1 km 1	3-4 within 1 km 1	5-6 within 1 km 1	7-8 within 1 km 1
19 Type of Development	No Structures within 1 km 2	Residential interface with structures 1	Residential interface, with structures 1	Interface > 1 structure/ha 1	Interface > 1 structure/ha 1
20 Number of Structures within 1 km	No Structures within 1 km 2	1-2 >100, 200-250, >250 m 1 1 2 2	3-4 >100, 200-250, >250 m 1 1 2 2	5-6 >100, 200-250, >250 m 1 1 2 2	7-8 >100, 200-250, >250 m 1 1 2 2

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: **43** / 55
 TOTAL WILDFIRE THREAT SCORE: **104** / 140

Wildfire Behavior Threat Class (check applicable box)

Low 0-40
 Moderate 41-60
 High 61-80
 Extreme >80

Wildland-Urban Interface Threat Class (check applicable box)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

highest app
for
wildland

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 48 Pictures



Picture 48-1 @ 360 degrees



Picture 48-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 49

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessed Not-assessed

Parcel: Q49 Community: Quesnel
 Address: Marlow Geographic Location (Street Name): Blue Ridge Rd
 Date: 2/24/17 LRS/Date: NSP 00140 03/22/09
 Phone: 8 2 4 Land Ownership: Home Public Other (specify):

Q49

Fuel	Climate				
	A	B	C	D	E
1 Soft/Slight and Medium Density (20)	1-12 2	2-15 Dry Great Wet 2 3 1	3-19 Dry Great Wet 3 4 2	18-25 Dry Great Wet 12 8 2	>25 Dry Great Wet 12 12 1
2 Soft/Low Density (20-40)	<10 2	20-40 2	40-60 2	60-80 4	80-100 2
3 Synthetic Fuel Composite	Wet, high, irregular dunes, low flammability fuels 1	High, dunes, fuels 2	Low, dunes, fuels 2	Fire-prone, dunes 2	Stephens, Redington, Average Fuel, Rock-Brown 2
4 Fine Woody Debris (Continuity 1-10%) (20-40)	<1 coverage 1	1-5 coverage 2	5-15 coverage 2	>15 coverage <10 cm deep 2	>15 coverage >10 cm deep 2
5 Large Woody Debris (Continuity 1-10%) (20-40)	<1 coverage 1	1-5 coverage 2	5-15 coverage 2	>15 coverage not assessed 2	>15 coverage partly assessed 2
6 Low and Med Condition Clean-Cover (20)	<10 2	20-40 2	40-60 2	60-80 2	>80 2
7 Low Condition Clean-Cover (20)	>40 or >10% not assessed 2	40-60 2	60-80 2	80-100 4	>100 2
8 Low and Med Condition Clean-Rough (20)	1 or >10% cover not assessed 2	10 2	2-12 2	1-12 2	<1 2
9 Low and Med Condition and Mid-Density Condition (20-40)	0-100 2	101-1000 2	1001-2000 2	>2000 2	>4000 2
10 Dead Wood (% of ground and on-ground area)	Standing Dead and Partly Dead <10% 2	Standing Dead and Partly Dead 10-25 2	Standing Dead and Partly Dead >25-50 2	Standing Dead and Partly Dead >50-75 2	Standing Dead and Partly Dead >75 2
11 Continuous Layer Dead Cover within 10m (20)	0-20 2	20-40 2	40-60 2	60-80 2	80-100 2

Weather	Sub Total				
	A	B	C	D	E
12 Exposure/Zone	40, exposed 1	20, 100, 40 Dry Great Wet 2 1 1	10, 100, 200 Dry Great Wet 2 1 1	10, 40, 100, 200, 400, 800 Dry Great Wet 1 1 1 1 1 1	10, 40 2
13 Relative Wind Exposure (by wind direction)	01, 02, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 1	01, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 2	02, 03, 04, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 2	01, 02, 03, 04, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 2	01, 04, 02, 03 2

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North 2	East 2	<10% slope all aspects 2	10-20 2	South 2
15 Slope (%)	<10 1	10-20 2	20-40 2	40-60 2	>60 2
16 Dunes	Flat 1	Low 2	Dune peaks, not on all dunes 2	Low dunes, deep dunes or shallow gulches 2	Low dunes, deep gulches 2
17 Landform/Topographic Features in wildfire event	<1 to isolated dunes 1	North and/or east aspects, dunes, within great wetland dunes, South and/or West 2	Mountainous terrain, dunes, topography, irregular aspect and slope changes, topographic class 10 2	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor topographic in wildfire event 2	Continuous, consistent topography, no mountainous wildfire event 2

FUEL WEATHER AND TOPOGRAPHY	Sub Total				
	A	B	C	D	E
18 Proximity of Structures/Community on Slope	No Structures/None within 124m 2	Bottom of slope, valley bottom 2	Mid slope, dunes, irregular slope 2	Mid slope, dunes, >10% slope 2	Slope 1/1 of slope 2
19 Size of Development	No Structures/None within 124m 2	Proximity to dunes, not dunes 2	Proximity to dunes, with dunes 2	Proximity to dunes, with dunes 2	Proximity to dunes, with dunes 2
20 Proximity of Structures and Features to Slope	No Structures/None within 124m 2	Slope >100-200-300-400m 1 12 20	0-100 >100-200-300-400m 1 12 25	Not flying >100-200-300-400m 1 12 25	Slope >100-200-300-400m 1 12 20

Wildland Urban Interface Incidence Wildfire Threat Score: 106
 TOTAL WILDFIRE THREAT SCORE: 106

Wildfire Behavior Threat Class (check applicable box)

Low 0-40
 Moderate 41-60
 High 61-140
 Extreme >140

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

harvest

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 49 Pictures



Picture 49-1 @ 360 degrees



Picture 49-2 @ 90 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 50

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q50 Community: Quesnel

Address: B. Macrae Geographic Location/Street Name: Blue Ridge Rd

Date: Oct 24 11 APN: N53 00602 W1222 393

Phone: 708 444 4444 Land Ownership: Owner Renter Other (specify):

Q50

Point	A	B	C	D	E
1 Fuel Load and Above-ground Fuel	1-2 1	2-4 Dry Dead Wood 3 2 1	5-10 Dry Dead Wood 10 8 2	10-20 Dry Dead Wood 12 10 2	>20 Dry Dead Wood 15 10 3
2 Surface Fuel Continuity (ft area)	<10 0	10-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Collection	Woods, Parks, Impacted Open Law Farmability Needs 1	Open, Disturbed 2	Urban, Low Fuel Loads 3	Programs, Managed 4	Setbacks, Buffer Zones, Addressed, Sub-3-Frame 5
4 Fine Woody Debris Continuity (ft/acre) (ft area)	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage, <10 cm dia 4	>20 coverage, >10 cm dia 5
5 Large Woody Debris Continuity (ft/acre) (ft area)	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage, not stacked 4	>20 coverage, partially stacked 5
6 Live and Dead Condition Class (Class %)	<25 1	26-40 2	41-60 3	61-80 4	81-100 5
7 Live Condition Class (Class %)	>60 or >60% Condition Class Score 1	41-60 2	41-60 3	20-40 4	1-20 5
8 Live and Dead Condition Class (Class %)	1- or <20% or for crown class 1	2-5 2	2-10 3	10-20 4	>20 5
9 Live and Dead Supplement and Additional Fuel (Condition)	0-10 1	10-100 2	100-1000 3	1000-10000 4	>10000 5
10 Fuel Health (% of deadwood and or-dominant class)	Standing Dead and Fuel Score < 1 or < 25 percent 1	Standing Dead and Fuel Score 2 2	Standing Dead and Fuel Score 3 3	Standing Dead and Fuel Score 4 4	Standing Dead and Fuel Score 5 5
11 Condition Score Fuel Class within 200 ft	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5

Weather

Point	A	B	C	D	E
12 Regional Wind	40 mph or less 1	41-50 mph 2	51-60 mph 3	61-80 mph, 10-15 mph gusts 4	81-100 mph 5
13 Annual Weather Extremes by Wind (ft/acre)	01, 01, 01, 04, 05, 05, 05, 05, 05, 05, 07 1	02, 08, 05, 06, 06, 07, 08, 08 2	07, 05, 04, 04, 04 3	01, 02, 01, 01, 01, 01, 01, 01, 01, 01 4	01, 01, 01, 01 5

Topography

Point	A	B	C	D	E
14 Slope (ft/100 ft)	None 1	Less 2	>10% or all aspects 3	West 4	South 5
15 Aspect (ft)	0-10 1	10-20 and less for North aspect 2	20-40 3	40-54 4	>50 5
16 Shade	0-10 1	10-20 2	20-40 3	40-54 4	>50 5
17 Landscape/Topographic Features in wildfire hazard	<1 for related fuel load 1	North and/or east aspect, moderate, within spread, within 100 ft 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple exposures to within spread 3	Rolling terrain, minor aspect breaks, irregular aspect and slope changes, minor exposures to within spread 4	Continuously, consistent topography, regularly exposed to within spread 5

FUEL, WEATHER AND TOPOGRAPHY

Point	A	B	C	D	E
18 Fuel, Weather and Topography	No Structures Within 200 ft 1	Some of slope, 40% or less 2	Mid-slope, 20% or less, 40% or less 3	Mid-slope and forest, >70% slope 4	Open 1/1 of slope 5
19 Fuel, Weather and Topography	No Structures Within 200 ft 1	Partial interface, no exposures 2	Partial interface, with exposures 3	Interface >1 structure 4	Interface >2 structures 5
20 Fuel, Weather and Topography	No Structures Within 200 ft 1	Some >100,000-100,000 ft 2	Some >100,000-100,000 ft 3	Some >100,000-100,000 ft 4	Some >100,000-100,000 ft 5

Wildfire Behavior Threat Score: 10

Wildland-Urban Interface Threat Score: 43

TOTAL WILDFIRE THREAT SCORE: 147

Wildfire Behavior Threat Class (check applicable box)

Low 0-10

Medium 11-40

High 41-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-40

Extreme >40

lowest number

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 50 Pictures



Picture 50-1 @ 360 degrees



Picture 50-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 51

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Assessment Post-assessment

No. Q51 Community Quesnel

Address P. Magaw Geographic Location/Street Name Blue Ridge Rd

Date Oct 24/17 GPS/UTM N53° 00.557 W 122° 22.647

Phone 0 0 0 0 0 0 Land Ownership Crown Private Other (Specify)

Q51

Fuel	LULU				
	A	B	C	D	E
1 Soft Leaf and Branch Fuel (L)	1-2 1	2-3 Dry Leaf Wet 2 3 1	4-10 Dry Leaf Wet 4 5 1	10-20 Dry Leaf Wet 12 8 6	>20 Dry Leaf Wet 15 10 5
2 Soft Conifer (R-L)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3 Repetitive Fuel Composite	Stem, Bark, Injured Crown, Low Fuel-Moisture Wood 1	Stem, Injured Wood 2	Stem, Canopy Wood 3	Stem 4	Stem, Bark, Injured Wood, Injured Bark, Stem Insect 5
4 Fine Woody Debris Continuity (>10cm) (R-L)	<1 coverage 1	1-20% coverage 2	21-25 coverage 3	>25 coverage, <10 cm deep 4	>25 coverage, >10 cm deep 5
5 Large Woody Debris Continuity (>10cm) (R-L)	<1 coverage 1	1-20% coverage 2	21-25 coverage 3	>25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Conifer Crown-Dense (R)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live Conifer Crown-Dense (R)	>40 or >60% continuous crown density 1	61-80 2	81-100 3	101-120 4	>120 5
8 Live and Dead Conifer Crown-Dense (R)	5+ or >20% crown density 1	6-10 2	11-15 3	16-20 4	>20 5
9 Live and Dead Suppressed and Inherently Sparse (L-R)	1-2 1	3-10 2	11-20 3	21-40 4	>40 5
10 Dead Wood (R of Conifer and all-wood) (R-L)	Standing Dead and Partly Dead 1-20 1	Standing Dead and Partly Dead 21-50 2	Standing Dead and Partly Dead 51-70 3	Standing Dead and Partly Dead 71-90 4	Standing Dead and Partly Dead 91-100 5
11 Continuous Forest Dead Cover within 10m (R)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Sub Total 51 /150*

Weather	A	B	C	D	E
12 Dependence Zone	01-10 1	11-20 2	21-30 3	31-40 4	41-50 5
13 Relative Humidity (RH) (R-L)	65, 61, 45, 34, 15, 10, 10, 10, 10, 10 1	52, 58, 45, 34, 10, 10, 10, 10, 10 2	47, 51, 34, 24, 10, 10, 10, 10, 10 3	41, 45, 32, 22, 10, 10, 10, 10, 10 4	35, 34, 22, 10 5

Sub Total 15 /100

Topography	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope 3	West 4	South 5
15 Slope (R)	6 1	16-25 and less than for North slope 2	26-40 3	41-54 4	>55 5
16 Wind	1 1	Noting 2	Shelter from the wind 3	Continuous slope, deep dunes or shallow gulches 4	Continuous dunes, deep gulches 5
17 Landscape Topographic Continuity in visible forest	<10% isolated forest 1	North and/or east aspect, distributed, visible spread restricted from south and/or West 2	North-south trend, broken topography, regular aspect and slope changes, steeply restricted to visible forest large water bodies 3	Rolling terrain, minor water bodies, irregular aspect and slope changes, slight vegetation in visible forest 4	Continuous, distributed topography, no restriction to visible spread 5

Sub Total 24 /100

WILDFIRE BEHAVIOUR THREAT SCORE 24 /100**

Structural	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure Within 10m 1	Bottom of slope, within 10m 2	Mid-slope (steep) or top of slope 3	Mid-slope continuous, >10m deep 4	Upper 1/3 of slope 5
19 Size of Development	No Structure Within 10m 1	Perimeter interface, no structures 2	Perimeter interface, with structures 3	Interior < 1 structure 4	Interior > 1 structure 5
20 Position of Structure close Relative to Water	No Structure Within 10m 1	Close 2	Close 3	Close 4	Close 5

**Based on structural components only of Wildfire Threat Behaviour Score is >45 for community polygons

TOTAL WILDFIRE THREAT SCORE 33 /150

Wildfire Behaviour Threat Class (check applicable case)

Low 0-40

Medium 41-60

High 61-140

Critical >140

Wildland Urban Interface Threat Class (check applicable case)

Low 0-10

Medium 11-20

High 21-30

Critical >30

Last updated: January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 51 Pictures



Picture 51-1 @ 360 degrees



Picture 51-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 52

Q52

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Parcel: Q52 Community: Quesnel

Address: 8724/11 Geographic Location/Street Name: 321 West 15th

Date: 08/24/17 GPS/UTM: N53 00.576 W122 21.408'

Plot: 1 2 3 4 Land Ownership: Crown Private Other (specify)

Fuel	LITERALS				
	A	B	C	D	E
1 Soft Sapwood and Medium Sapwood (m)	1-12 1	2-15 Dry Sapwood 5 3 1	5-18 Dry Sapwood 10 6 2	10-20 Dry Sapwood 12 8 3	>20 Dry Sapwood 15 10 5
2 Softwood (M cover)	<20 0	20-40 2	40-60 3	60-80 4	80-100 5
3 Aggregate Fuel Composition	Woods, herbs, legumes, grass, low flammability shrubs 1	Shrubs, herbs 2	Lichens, lichen shrubs 3	Forage, grasses 4	Sagebrush, buckwheat, aster, lupine, shrubs 5
4 Fine Woody Debris (m) (M cover)	<10 1	10-20 <10 coverage 2	20-30 coverage 3	>30 coverage >10 cm deep 4	>35 coverage >10 cm deep 5
5 Large Woody Debris (m) (M cover)	<10 coverage 1	10-20 coverage <10 coverage 2	20-30 coverage 3	>30 coverage not stacked 4	>35 coverage partially stacked 5
6 Live and Dead Conifers Crown (Cover %)	<25 1	25-40 2	40-60 3	60-80 4	>80 5
7 Live Deciduous Crown (Cover %)	>80 or >40% vertical crown cover 1	40-60 2	20-40 3	20-40 4	<20 5
8 Live and Dead Conifer Crown (M height %)	1-10 1	10-20 2	20-30 3	30-40 4	>40 5
9 Live and Dead Deciduous and Coniferous Canopy (Cover %)	0-100 1	100 2	100-200 3	200-400 4	>400 5
10 Fuels Height (M of dominant and co-dominant stems)	Standing Dead and Partly Dead <1 1	Standing Dead and Partly Dead 1-2 2	Standing Dead and Partly Dead >2-5 3	Standing Dead and Partly Dead >5-10 4	Standing Dead and Partly Dead >10 5
11 Continuous Dead/Dead Crown within 10m (%)	0-20 1	20-40 2	40-60 3	60-80 4	>80 5

Weather	Sub Total 51 / 100				
	A	B	C	D	E
12 Atmospheric Drier	At. Inverted 1	DRY, 100-400 Dry Snow Melt 5 3 1	DRY, 100-1000 Dry Snow Melt 10 6 2	DRY, 100-1000 DRY, 100-1000 DRY, 100-1000 10 6 2	DRY 15
13 Annual Relative Humidity (M cover)	65, 60, 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 5 1	45, 40, 35, 30, 25, 20, 15, 10, 5 2	25, 20, 15, 10, 5 3	15, 10, 5, 0 4	10, 5, 0, 0, 0 5

Topography	Sub Total 15 / 100				
	A	B	C	D	E
14 Aspect (1-100 slope)	South 0	East 1	<10% slope 10	West 12	North 15
15 Slope (%)	0-10 1	10-25 and most cover for North slopes 5	20-40 10	40-54 12	>55 15
16 Soils	0-10 1	Rolling 2	Upland soils, minor low relief dunes 3	Consolidated soils, steep slopes or shallow profile 4	Consolidated soils, steep gullies 5
17 Landscape Topography (disturbance in 100m Span)	<1% no isolated trees 1	North and/or east aspect dominates, no other aspect restricted from South and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple vegetation in within spatial large water bodies 3	Rolling terrain, minor water bodies, irregular aspect and slope changes, minor vegetation in within spatial large water bodies 4	Disturbed, consistent topography, no vegetation in within spatial large water bodies 5

FUEL, WEATHER AND TOPOGRAPHY	Sub Total 77 / 100				
	A	B	C	D	E
18 Position of Structures/Community on Slope	No Structures 1	Bottom of slope, valley bottom 2	Mid slope (steepened, eroded) or 1/3 slope 3	Mid slope and crest, >10% slope 4	Upper 1/3 of Slope 5
19 Type of Development	No Structures 1	Perimeter fences, no structures 2	Perimeter fences, with structures 3	Fences + 1 structure 4	Fences + 2 structures for residential 5
20 Position of Assessment Area Relative to Neighb	No Structures 1	100-200 (100-200 m) 1 10 20	100-200 (100-200 m) 1 10 20	100-200 (100-200 m) 1 10 20	100-200 (100-200 m) 1 10 20

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 21 / 100

TOTAL WILDFIRE THREAT SCORE 200

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-75

Catastrophic >75

Wildland Urban Interface Threat Class (check applicable box)

Low 0-13

Medium 14-24

High 25-34

Catastrophic >35

Last Updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 52 Pictures



Picture 52-1 @ 360 degrees



Picture 52-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 53

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Treatment Post-treatment

Plot #: Q53 Community: Quesnel

Address: B. Moraw Geographic Location/Street Name: Hwy 26 - West of Hault MN

Date: 02/24/17 GPS/UTM: N53° 01.524 W122° 21.270'

Plots: Q53 Land Ownership: Crown Private I.A. Other (specify)

Q53

Fuel	LEVEL				
	A	B	C	D	E
1 Staff Depth and Moisture Regime (LH)	1-2 1	2-4 Dry Dead Wood 5 2 1	5-10 Dry Dead Wood 10 4 2	10-20 Dry Dead Wood 12 10 4	>20 Dry Dead Wood 12 10 5
2 Surface Fuel Continuity (R cover)	<10 0	20-40 2	40-60 3	60-80 4	>80 5
3 Vegetation Fuel Composition	Woods, herbs, engaged crown, low flammability fuels 1	Shrubs, forbs 2	Lichens, ladder fuels 3	Angiosperms, Juniper 4	Tightleafs, Redfingers, Amalgam Branch, Scotch Broom 5
4 Fine Woody Debris Continuity (1-10cm) (R cover)	<1 coverage 1	10-20 coverage 2	20-35 coverage 3	>35 coverage > 10 cm deep 4	>35 coverage > 10 cm deep 5
5 Large Woody Debris Continuity (1-10cm) (R cover)	<1 coverage 1	10-20 coverage 2	20-35 coverage 3	>35 coverage not treated 4	>35 coverage partially treated 5
6 Live and Dead Litterfall Crown Closure (R)	<20 1	20-40 2	40-60 3	60-80 4	>80 5
7 Live and Dead Litterfall Crown Closure (H)	>40 or >40% surface crown closure 1	40-60 2	60-80 3	80-100 4	>100 5
8 Live and Dead Litterfall Crown Closure (H)	1- or <20% crown closure 1	20-40 2	40-60 3	60-80 4	>80 5
9 Live and Dead Litterfall and Understory Continuity (Litterfall)	1	100-200 1	200-400 2	400-600 3	>600 4
10 Stand Height (R of dominant and co-dominant trees)	Standing Dead and Partly Dead < 10m 1	Standing Dead and Partly Dead 10-15 2	Standing Dead and Partly Dead >15-20 3	Standing Dead and Partly Dead >20-25 4	Standing Dead and Partly Dead >25 5
11 Continuous Stand/Dead Over within 100m (R)	0-20 1	20-40 2	40-60 3	60-80 4	>80 5
Sub Total 53 /100*					

Weather	LEVEL				
	A	B	C	D	E
12 Atmospheric Drier	AT engaged 1	DM, DM, DM Dry Dead Wood 1 1 1	DM, DM, DM Dry Dead Wood 1 1 1	DM, DM, DM, DM, DM, DM DM, DM, DM, DM, DM, DM 1 1 1 1 1	DM, DM, DM, DM, DM, DM, DM DM, DM, DM, DM, DM, DM, DM 1 1 1 1 1 1 1
13 Relative Humidity (R of 100)	65, 67, 62, 64, 65, 66, 70, 65, 62, 64, 67 1	65, 68, 65, 66, 70, 67, 65, 65 1	67, 65, 64, 64, 67, 67 1	65, 65, 62, 62, 65, 65, 64, 62, 62 1	60, 64, 62, 61 1
Sub Total 15 /20					

Topography	LEVEL				
	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope, N, W, S, E 3	West 4	South 5
15 Slope (H)	1	10-20 and less steep for forest types 2	20-40 3	40-60 4	>60 5
16 Slope	1	Rolling 2	Steeper terrain, minor fire retardation 3	Crested slope, deep forest or native grass 4	Crested slope, deep forest 5
17 Landscape Topographic Orientation in relation to fire	< 1 to 2 to 3 1	South and/or east aspects dominant, wildfire spread east and/or west 2	Mountainous terrain, broken topography, minor aspect and slope changes, multiple exposures to wildfire spread 3	Rolling terrain, minor slope breaks, minimal aspect and slope changes, minor exposures to wildfire spread 4	Continuous, consistent topography, no exposures to wildfire spread 5
Sub Total 20 /20					

FUEL WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure Community on Slope	No Structures within 2 km 1	Bottom of slope, valley bottom 2	Mid slope, hillside, elevated areas, on slope 3	Mid slope, hillside, >10% slope 4	Slope 10% of slope 5
19 Size of Development	No Structures within 2 km 1	Residential, no structures 2	Residential, with structures 3	Medium > 1 structure 4	Medium > 1 structure 5
20 Position of Development Area Relative to Slope	No Structures within 2 km 1	Along >100-200-300-400m 1 2 3 4	Sloped >100-200-300-400m 1 2 3 4	Flat/rolling >100-200-300-400m 1 2 3 4	Below >100-200-300-400m 1 2 3 4
TOTAL WILDFIRE THREAT SCORE 90 /100**					

*Based only on fuel sub total score
**Based on structural component only if Wildfire Threat Behaviour Score is > 15 for untreated properties.

Wildfire Behaviour Threat Class (check applicable class)

Low	0-40	<input type="checkbox"/>
Medium	41-65	<input checked="" type="checkbox"/>
High	66-90	<input type="checkbox"/>
Extreme	>90	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable class)

Low	0-13	<input type="checkbox"/>
Medium	14-26	<input type="checkbox"/>
High	27-39	<input checked="" type="checkbox"/>
Extreme	>39	<input type="checkbox"/>

Last updated January 14, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 53 Pictures



Picture 53-1 @ 360 degrees



Picture 53-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 54

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No-Invested Not-Involved

Parcel: Q54 Community: Quesnel
 Address: B. Morrow Geographic Location (Street Name): Highway 26 - West North 1/4 1412
 Date: Oct 24/17 SPLIT: N53° 01' 694" W122° 21' 528"
 Parcel: 1 a. 4 Land Ownership: Owner Private L.R. Other (specify):

Fuel	RISK				
	A	B	C	D	E
1 Fuel Type and Moisture Regain (2x)	1-12 1	2-17 Dry Leaf Wet 2 1 1	3-18 Dry Leaf Wet 10 4 2	19-20 Dry Leaf Wet 10 10 4	21-22 Dry Leaf Wet 10 10 5
2 Surface Fuel Continuity (R-scores)	<12 1	20-40 2	41-60 3	61-80 4	81-100 5
3 Vegetation Fuel Composition	Min. Herb, Inorganic Layer, Low (Flammable Wood)	Deciduous Forest	Conifer, Conifer Shrub	Shrub, Juniper	Shrub, Conifer, Shrub, Deciduous Forest, Herbaceous
4 Low Windy Fuels Continuity (<10% (R-scores))	1	2 (coverage <10 coverage)	3 (coverage 10-25 coverage)	4 (coverage >25 coverage <10 on steep)	5 (coverage >25 coverage >10 on steep)
5 Large Windy Fuels Continuity (>10% (R-scores))	1	2 (coverage <10 coverage)	3 (coverage 10-25 coverage)	4 (coverage >25 coverage not elevated)	5 (coverage >25 coverage partially elevated)
6 Low and Dead Fuel Moisture Content (R-scores)	1	20-40 1	41-60 2	61-80 3	81-100 4
7 Low Moisture Content (R-scores)	>80 or <10% moisture content	71-80 1	41-60 2	20-40 3	<20 4
8 Low and Dead Fuel Moisture Content (R-scores)	1 or 2 or <10% moisture content	3-5 1	2-10 2	1-12 3	<1 4
9 Low and Dead Vegetation and Herbaceous Fuel (R-scores)	1-100 1	1	1001-2000 2	2001-4000 3	>4000 4
10 Fuel Health (% of deadwood and in-advance fuels)	Standing Dead and Partly Dead 1-25 1	Standing Dead and Partly Dead 26-50 2	Standing Dead and Partly Dead 51-75 3	Standing Dead and Partly Dead 76-100 4	Standing Dead and Partly Dead >75 5
11 Continuous (Dead) Fuel within 20m (R-scores)	0-20 1	21-40 2	41-60 3	61-80 4	81-100 5
Sub Total 33 / 100					
Weather					
12 Average Wind	W, Inorganic 1	SW, SW, NW Dry Leaf Wet 1 1 1	W, SW, SWP Dry Leaf Wet 10 10 5	SW, SWP, SWP, SW, SW, SWP, SWP Dry Leaf Wet 10 10 5	SE, SE 10
13 Average Wind Frequency by Wind (R-scores)	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1
Sub Total 15 / 50					
Topography					
14 Aspect (>10% slope)	North 1	East 1	<10% slope, 10 aspects 10	West 10	South 10
15 Slope (R-scores)	1	10-20 and 20+ slope for North aspect 1	20-30 10	40-50 10	>50 10
16 Slope	Flat 1	Rolling 1	Steep terrain, some low wind zones 1	Gradient slope, steep terrain in shallow gullies 1	Concentric slope, steep gullies 10
17 Landscape Topographic Orientation in relation to wind	<10% low wind 1	North and/or east aspect, moderate, no other aspect indicated from South and/or West 1	Northwest, North, South, Topographic, regular aspect and slope changes, multiple orientations to windward aspect 1	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor orientations to windward aspect 10	Concentric, concave topography, no orientation to windward aspect 10
Sub Total 19 / 50					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
18 Position of Structures/Community on Slope	No Structures Within 2 km 1	Bottom of slope, valley bottom 1	Mid-slope (steep), forward 1/4 slope 10	Mid-slope and/or crest, >10% slope 10	Upper 1/2 of Slope 10
19 Size of Development	No Structures Within 2 km 1	Residential Interface, no structures 1	Residential Interface, with structures 10	Interface > 1 structure/ha 10	Interface > 1 structure/ha 10
20 Proximity of Structures to Structures	No Structures Within 2 km 1	Above >100 200 300 <200 m 1 10 20	Below >100 200 300 <200 m 1 10 20	Flattening >100 200 300 <200 m 1 10 20	Below >100 200 300 <200 m 1 10 20
Sub Total 22 / 50					

Q54

Parcel 50's lossing

Wildfire Behavior Threat Class (check applicable class)
 Low 0-40
 Moderate 41-60
 High 61-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable class)
 Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Wildland-Urban Interface Wildfire Threat Score (check applicable class)
 Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Low Updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 54 Pictures



Picture 54-1 @ 360 degrees



Picture 54-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 55

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Place: Q55 Community: Quesnel

Address: 8 Morgan Geographic Location (Street Name): Cottonwood River

Date: 02/25/17 GPS/UTM: N 53° 04' 42" W 117° 25' 24" W

Photo: 01, 04 Land Ownership: Crown Private I.R. Other (specify):

Q55

Item	A	B	C	D	E
1. Soil Depth and Surface Slope	1-2 1	3-4 Soil Depth 1 2	5-10 Soil Depth 1 3	10-20 Soil Depth 1 4	>20 Soil Depth 1 5
2. Surface Fuel Accumulation (0-5)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3. Fuel Moisture Content	Wet, Very Improbable 1	Wet, Probable 2	Wet, Certain 3	Moist, Average 4	Supersaturated, Improbable 5
4. Fire Weather Index (FWI) (0-100)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
5. Large Woody Debris (0-5)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
6. Dry and Dead Grasses (0-5)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7. Wet Grasses (0-5)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
8. Wet and Dead Grasses (0-5)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
9. Wet and Dead Vegetation (0-5)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
10. Fuel Moisture (0-5)	Wet, Very Improbable 1	Wet, Probable 2	Wet, Certain 3	Moist, Average 4	Supersaturated, Improbable 5
11. Fuel Moisture (0-5)	Wet, Very Improbable 1	Wet, Probable 2	Wet, Certain 3	Moist, Average 4	Supersaturated, Improbable 5
Sub Total 700*					

Item	A	B	C	D	E
12. Slope (0-5)	All Improbable 1	0-10% 2	11-20% 3	21-30% 4	>30% 5
13. Aspect (0-5)	0-90° 1	91-180° 2	181-270° 3	271-360° 4	>360° 5
Sub Total 170					

Item	A	B	C	D	E
14. Aspect (0-5)	North 1	East 2	<10% slope 3	West 4	South 5
15. Slope (0-5)	<10% 1	10-20% 2	21-30% 3	31-40% 4	>40% 5
16. Aspect (0-5)	<10% 1	10-20% 2	21-30% 3	31-40% 4	>40% 5
17. Aspect (0-5)	<10% 1	10-20% 2	21-30% 3	31-40% 4	>40% 5
Sub Total 100					

Item	A	B	C	D	E
18. Fuel Moisture (0-5)	No structures 1	Structure 2	Structure 3	Structure 4	Structure 5
19. Fuel Moisture (0-5)	No structures 1	Structure 2	Structure 3	Structure 4	Structure 5
20. Fuel Moisture (0-5)	No structures 1	Structure 2	Structure 3	Structure 4	Structure 5
Sub Total 100					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 1210

TOTAL WILDFIRE THREAT SCORE 1210

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 55 Pictures



Picture 55-1 @ 360 degrees



Picture 55-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 56

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Fire treatment

Plot # Q56 Community Quesnel

Owner B. Marau Geographic Location (Street Name) Cathlamet Rd

Date Oct 24/17 GPS/UTM N53 09.115 W 126 26.716

Photo Q56 Land Use(s) Forest Pasture LR (Other specify)

Q56

Plant	A	B	C	D	E
1. Soft Barked Western Species (SP)	1-2 2	2-10 SP, Small WS 3 3 1	1-10 SP, Small WS 3 3 2	10-20 SP, WS 10 4 4	>20 SP, Small WS 15 10 1
2. Hard Barked Western Species (SP)	<20 2	20-40 2	40-60 1	60-80 4	>80 1
3. Shrubland Wet Intermediate	Wet, Herb, Invasive Shrub, Low Flammability Shrub 1	Shrub, Herb 2	Grass, Forb, Shrub 1	Forb, Shrub 4	Sagebrush, Buckbrush, Lemnate Shrub, Small Shrub 3
4. Fire Resistant (Shrub) (>100' W. side)	<10 1	Scattered, <10 coverage 1	10-20 coverage 2	>20 coverage, <10 on slope 3	>20 coverage, >10 on slope 3
5. Large Shrub (Shrub) (>100' W. side)	<10 1	Scattered, <10 coverage 2	10-20 coverage 2	>20 coverage, scattered 3	>20 coverage, partially scattered 3
6. Ground Suck (Shrub) (W. side)	<10 1	20-40 1	40-60 1	60-80 1	>80 1
7. Wet Shrub (Shrub) (W. side)	>40 or >40% surface cover (Shrub) 2	40-60 2	60-80 2	80-100 4	>100 2
8. Ground Suck (Shrub) (W. side)	1+ or >20% surface cover 1	0-5 1	5-10 2	10-20 1	>20 1
9. Fire Resistant (Shrub) (W. side)	<10 1	10-20 1	20-40 1	40-60 1	>60 1
10. Fire Resistant (Shrub) (W. side)	Scattered Shrub and Forb, <10 on slope 1	Scattered Shrub and Forb, <10 on slope 2	Scattered Shrub and Forb, <10 on slope 3	Scattered Shrub and Forb, <10 on slope 4	Scattered Shrub and Forb, <10 on slope 5
11. Ground Suck (Shrub) (W. side)	0-10 1	10-40 1	40-60 1	60-80 1	>80 1

Sub Total 31 /133*

Woodlot	A	B	C	D	E
12. Woodlot (Shrub)	All Invasive 1	Only 10% WS SP, Small WS 2 1	10% WS, SP SP, Small WS 3 1	10% WS, SP, WS SP, Small WS, WS 4 1 1	10% WS 1
13. Woodlot (Shrub) (W. side)	10, 11, 12, 13, 14, 15, 16, 17 1	14, 15, 16, 17, 18, 19, 20, 21, 22 1	17, 18, 19, 20, 21, 22 1	18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 1	17, 18, 19, 20 1

Sub Total 15 /38

Topography	A	B	C	D	E
14. Slope (> 10% slope)	1 1	2 1	<10% slope of aspect 1	Wet 1	Wet 1
15. Slope (W)	<10 1	10-20 and/or slope 10-20 slope 1	20-40 1	40-60 1	>60 1
16. Wind	1 1	2 1	3 1	4 1	5 1
17. Windward Topography (W. side)	<10 surface threat 1	North and/or east aspect, moderate, with or without shelter from South and/or West 2	Northwest, North, South, West, East, or SE aspect, moderate, regular aspect and slope changes, multiple exposures to wildfire threat 3	Wet, North, or low water table, irregular aspect and slope changes, some exposures to wildfire threat 4	Continuously exposed, topographic, no shelter to wildfire threat 5

Sub Total 15 /32

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE DANGEROUS THREAT SCORE

Item	A	B	C	D	E
18. Fuel (Shrub) (W. side)	No structure, Value within 1 km 0	Bottom of slope, valley bottom 1	Mid slope bottom, elevated ridge, >10% slope 2	Mid slope top, >10% slope 3	Slope 1/1 of slope 4
19. Fuel (Shrub) (W. side)	No structure, Value within 1 km 0	Bottom of slope, no exposure 1	Bottom of slope, with exposure 2	Bottom of slope, with exposure 3	Bottom of slope, with exposure 4
20. Fuel (Shrub) (W. side)	No structure, Value within 1 km 0	None >100' WS, WS, WS 1 1 1	None >100' WS, WS, WS 1 1 1	None >100' WS, WS, WS 1 1 1	None >100' WS, WS, WS 1 1 1

Sub Total 15 /30

Wildfire Behavior Threat Class (Use checkmark)

Wildland Urban Interface Threat Class (Use checkmark)

Wildfire Behavior Threat Class (Use checkmark)

Wildland Urban Interface Threat Class (Use checkmark)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last Updated: January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 56 Pictures



Picture 56-1 @ 360 degrees



Picture 56-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 57

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For evaluation Post-assessment

Parcel: Q57 Community: Quesnel

Address: 81 Morrow Geographic Location/Color Key: Callaghan River

Date: Oct 27/17 UFS/IDN: N574 08893 Wild 20-142

Photos: 4 Land Ownership: Private Other (specify)

Q57

Parcel	A	B	C	D	E
1. Fuel Moisture Availability (Average Fuel)	1-2	3-15 Dry Leaf Wet	1-15 Dry Leaf Wet	14-20 Dry Leaf Wet	>20 Dry Leaf Wet
2. Fuel Load Availability (Fuel)	<10	20-40	40-60	60-80	>80
3. Fuelbed Fuel Availability	Wet, Herb, Impaired Cops, Low Flammability Woods	High Flammability	Urban, Garden Shrubs	Pinegrove, Juniper	Scrubland, Bushy Open, Heritage Shrub, South Slope
4. Fine Woody Debris (Culm) - Fuel (100%)	<10%	Softwood, <10 coverage	10-25 coverage	>25 coverage, <10 on slope	>25 coverage, >10 on slope
5. Large Woody Debris (Culm) - Fuel (100%)	<10%	Softwood, <10 coverage	10-25 coverage	>25 coverage, not shrubed	>25 coverage, partially shrubed
6. Fine and Small Leafwood (Culm) - Fuel (100%)	<10%	10-40	40-60	60-80	>80
7. Live and Dead Crown Fuel (Culm) - Fuel (100%)	<40 or <10% continuous crown above	40-60	60-80	80-100	>100
8. Vertical Fuel (Culm) - Fuel (100%)	10 or <10% crown above	1-5	5-15	15-25	>25
9. Live and Dead Lignin and Cellulose (Culm) - Fuel (100%)	<10%	100-1000	100-1000	2000-4000	>4000
10. Fuel Bed (Fuel) - Fuel (100%)	Standing Dead and Fuel (10-15)	Standing Dead and Fuel (15-25)	Standing Dead and Fuel (25-50)	Standing Dead and Fuel (50-75)	Standing Dead and Fuel (75-100)
11. Continuous Fuel Bed (Fuel) - Fuel (100%)	0-25	25-40	40-60	>60	>80

Weather	A	B	C	D	E
12. Atmospheric Drier	All Impaired	100, 100, 100 Dry Leaf Wet	100, 100, 100 Dry Leaf Wet	100, 100, 100 Dry Leaf Wet	100, 100, 100 Dry Leaf Wet
13. Relative Humidity (RH) (100%)	65, 61, 52, 58, 55, 55, 55, 55, 55, 55	52, 58, 55, 58, 55, 55, 55, 55	47, 47, 48, 48, 48, 48, 48	43, 43, 43, 43, 43, 43, 43	40, 40, 40, 40, 40

Topography	A	B	C	D	E
14. Slope (17% slope)	None	Flat	<10% slope, all aspects	More	Steep
15. Slope (10)	<10	10-25	25-40	40-54	>54
16. Slope	Flat	Rolling	Shallow slopes, moderate aspect	Concentric slope, steep slope or shallow gully	Concentric slope, steep gully
17. Landscape Topography (100%)	<10% fuel bed	North and/or east aspects dominate, wildfire spread restricted from south and/or west	Mountainous terrain, urban topography, regular aspect and slope changes, multiple restrictions to wildfire spread	Rolling terrain, minor water features, irregular aspect and slope changes, minor restrictions to wildfire spread	Continuous, concave topography, no restrictions to wildfire spread

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Number of Structures (100%)	No structures	Bottom of slope, valley bottom	Mid slope, lowland, moderate slope	Mid slope, moderate, >17% slope	Slope 1/3 of slope
19. Size of Structures	No structures	Residence interface, no inclusions	Residence interface, with inclusions	Interface > 1 structure	Interface > 1 structure
20. Number of Structures (100%)	No structures	None	Small	Flat Building	>100

Wildland Urban Interface Wildfire Threat Score: **26** (1440)
Total Wildfire Threat Score: **295**

Wildfires Behaviour Threat Class (check applicable class):
Low 0-40
Moderate 41-65
High 66-100
Extreme >100

Wildland Urban Interface Threat Class (check applicable class):
Low 0-13
Moderate 14-26
High 27-39
Extreme >39

Birch
Aspen

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 57 Pictures



Picture 57-1 @ 360 degrees



Picture 57-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 58

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Plot: Q58 Community: Quesnel
 Address: Geographic Location/Street Name
 Date: 08/25/17 GPS: N53° 08' 48" W 122° 29' 01"
 Photos: 0 None Other (specify)

Q58

Point	LITERATURE				
	A	B	C	D	E
1. Soil Depth and Moisture Regime (m)	1-2 1	1-11 2-1	1-18 Dry Soil/Reg 10 8 7	18-28 Dry Soil/Reg 12 8 4	>28 Dry Soil/Reg 12 10 1
2. Surface Fuel Loadings (kg/m²)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3. Vegetation Fuel Composition	Moss, herbs, Forages (C3), Low Flammability (B&C) 1	Herb, Deciduous (B&C) 2	Liana, Conifer (B&C) 3	Palms 4	Log/slash, Resprouts, Evergreen (B&C), Succulents 5
4. Fine Wood Fuel Loadings (kg/m²) (1-10 m)	1 1	Saturated, <10 coverage 1	10-25 coverage 2	>25 coverage, <10 cm deep 3	>25 coverage, >10 cm deep 4
5. Large Wood Fuel Loadings (kg/m²) (10-100 m)	1 1	Saturated, <10 coverage 1	10-25 coverage 2	>25 coverage, not stacked 3	>25 coverage, partially stacked 4
6. Live and Dead Fuel Moisture Content (Percent MC)	<20 1	21-40 2	41-60 3	61-80 4	>80 5
7. Fuel Moisture Content (Percent MC)	>80 or <20% available (C&E) (B&C) 1	41-60 2	41-60 3	20-40 4	<20 5
8. Live and Dead Fuel Crown Area (m²) (10)	2+ or <20% crown cover (B&C) 1	3-5 2	6-10 3	11-15 4	>15 5
9. Ground Fuel Temperature and Volatility (Celsius) (B&C)	1 1	301-1200 1	1001-2000 2	2001-4000 3	>4000 4
10. Fuel Moisture (% of available and available) (m)	Standing Fuel and Fuel Moisture < 5 1	Standing Fuel and Fuel Moisture 5-15 2	Standing Fuel and Fuel Moisture >15-30 3	Standing Fuel and Fuel Moisture >30-75 4	Standing Fuel and Fuel Moisture >75-95 5
11. Groundwater Depth (m) (10)	0-20 1	21-40 2	41-60 3	>60 4	>80 5
Sub Total 30 /100*					

Subcategory	WILDFIRE BEHAVIOR THREAT SCORE				
	A	B	C	D	E
12. Slope/Aspect (m)	All (B&C) 1	100, 120, 80 Dry Soil/Reg 1 1 1	80, 100, 120 Dry Soil/Reg 1 1 1	100, 80, 100, 120, 100, 80 Dry Soil/Reg 1 1 1 1 1 1	100, 80 1 1
13. Aspect/Wind Exposure (m)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 1	12, 04, 05, 06, 07, 08, 09, 10, 11, 02, 03 1	17, 07, 04, 04, 07, 08 1	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 1	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 1
Sub Total 15 /50					

Subcategory	WILDFIRE BEHAVIOR THREAT SCORE				
	A	B	C	D	E
14. Aspect (m)	North 1	East 2	<10% slope, all aspects 3	West 4	South 5
15. Aspect (m)	1 1	% of aspect area for North aspect 1	10 2	40-54 3	>55 4
16. Slope	1 1	Shallow 1	Sloped terrain, near low wind stress 2	Escarpment slope, steep down or shallow gullies 3	Escarpment slope, steep upland 4
17. Topographic Complexity (m)	< 5 (no relief) (B&C) 1	North and/or east aspects, moderate, additional ground restricted from south and/or west 2	Westward slopes, higher topography, complex aspect and slope changes, multiple restrictions to wildfire spread, large water bodies 3	Sloping terrain, minor water bodies, moderate aspect and slope changes, minor restrictions to wildfire spread 4	Escarpment, moderate topography, no restriction to wildfire spread 5
Sub Total 20 /100**					

Subcategory	WILDFIRE BEHAVIOR THREAT SCORE				
	A	B	C	D	E
18. Nature of Structure (m)	No Structures (B&C) within 1 km 1	Bottom of slope, valley bottom 1	Mid slope (B&C), dry (B&C), 10% slope 2	Mid slope, common, >7% slope 3	Open 1/2 of slope 4
19. Type of Structure	No Structures (B&C) within 1 km 1	Perimeter interface, no buildings 1	Perimeter interface, with buildings 2	Interior > 1 structure 3	Interior, open roof 4
20. Nature of Structure (m)	No Structures (B&C) within 1 km 1	None >100, 200, 100, <100 m 1 10 20	Low >100, 200, 100, <100 m 1 12 23	High >100, 200, 100, <100 m 1 10 23	Below >100, 200, 100, <100 m 1 15 20
Sub Total 15 /100					

* Based only on fuel wet total < 25.
 ** Based on structural component only if Wildfire Threat Assessment Score is < 75 for untreated polygons.

Wildfire Behavior Threat Class (not applicable doc)

Low 0-40
 Moderate 41-55
 High 56-70
 Extreme >70

Wildland Urban Interface Threat Class (not applicable doc)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 58 Pictures



Picture 58-1 @ 360 degrees



Picture 58-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 59

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For residents For business

File # Q59 Community Quesnel

Address B. Maxwell Geographic Location Street Name Morris Rd - Nixon Rd

Date 8/25/17 GPS UTM N53° 07.96' W122° 30.083'

Phone 800-421-2121 Land Ownership Public Private Other (Specify)

Q59

Item	A	B	C	D	E
1. Soil Depth and Moisture Regime (20)	1-2 1	2-15 Dry Soil 2	5-15 Dry Soil Wet 10 8 2	16-20 Dry Soil Wet 12 8 4	>20 Dry Soil Wet 12 10 5
2. Soil pH (20)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3. Vegetation Fuel Categories	Moist herbs, Impure Grass, Low Flammability (10)	10 1	Low, Coarse (10)	Plumage, Juniper 6	Treebrush, Red Spruce, American Shrub, Scotch Spruce 3
4. Fine Woody Debris (20)	<1 coverage 1	1-10 2	11-25 coverage 3	>25 coverage < 10 on slope 4	>25 coverage > 10 on slope 5
5. Large Woody Debris (20)	<1 coverage 1	1-10 2	11-25 coverage 3	>25 coverage not observed 4	>25 coverage partially observed 5
6. Ground Soil Conditions (20)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7. Live Herbaceous Cover (20)	>80 or >40% moisture cover (10)	41-60 2	41-60 3	20-40 4	<20 1
8. Live and Dead Cover (20)	1-10 1	11-20 2	21-30 3	31-40 4	>40 5
9. Live and Dead Vegetation and Litter (20)	0-100 1	101-200 2	201-300 3	301-400 4	>400 5
10. Fuel Moisture (% of ground and in equivalent cover)	Standing fuel and Fuel Moisture < 1 or < 25 cm (10)	Standing fuel and Fuel Moisture < 1 or < 25 cm (10)	Standing fuel and Fuel Moisture < 1 or < 25 cm (10)	Standing fuel and Fuel Moisture < 1 or < 25 cm (10)	Standing fuel and Fuel Moisture < 1 or < 25 cm (10)
11. Fuel Moisture (20)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 65 / 100					

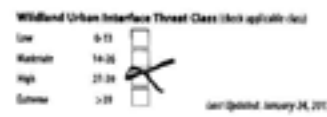
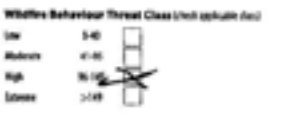
Item	A	B	C	D	E
12. Exposure to Wind	All exposed 1	1/4, 1/2, 3/4 Dry Soil Wet 2 1	1/4, 1/2, 3/4 Dry Soil Wet 3	1/4, 1/2, 3/4 Dry Soil Wet 4	1/4, 1/2, 3/4 Dry Soil Wet 5
13. Relative Wind Exposure to Wildfire (20)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Sub Total 15 / 20					

Item	A	B	C	D	E
14. Aspect (20)	North 1	East 2	<10% slope 3	West 4	South 5
15. Slope (20)	<5% 1	6-20 and steep areas for North slopes 2	21-40 3	41-60 4	>60 5
16. Slope	1 1	Rolling 2	Steep terrain, clear line of sight 3	Consistent slope, steep trees or other fuels 4	Consistent slope, steep fuels 5
17. Landscape Topography (20)	< 10% relative level 1	North and/or east aspect dominates, weather pattern winds from South and/or West 2	Mountainous terrain, broken topography, irregular aspect and slope changes, multiple directions to windward 3	Sloping terrain, some water bodies, seasonal aspect and slope changes, some directions to windward 4	Continuous, consistent topography, no directions to windward 5
Sub Total 91 / 100					

Item	A	B	C	D	E
18. Proximity of Structures (20)	No Structures within 2 km 1	Bottom of slope, safety factors 2	Mid-slope, reduced threat 3	Mid-slope, continuous, > 1% slope 4	Slope 1% of slope 5
19. Type of Development	No Structures within 2 km 1	Residence interface, no businesses 2	Residence interface, with businesses 3	Business > 1 structure 4	Business > 1 structure 5
20. Proximity of a Wildland Fire Source (20)	No Structures within 2 km 1	400m 100-200-300-400 m 1 10 20	100-200-300-400 m 1 10 20	100-200-300-400 m 1 10 20	100-200-300-400 m 1 10 20
Sub Total 32 / 40					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **91 / 100**

TOTAL WILDFIRE THREAT SCORE **123 / 140**



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 59 Pictures



Picture 59-1 @ 360 degrees



Picture 59-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 60

Q60

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # Q60 Community Quesnel

Address B. Morrison Geographic Location/Corner Point Hwy 97 N

Date Sept 25, 17 GPS/UTM N 53° 06.274 W 122° 13.248'

Photos 0, 4 Land Ownership Crown Private CR Other (specify)

Factor	A	B	C	D	E
1. Soil Regional Wildfire Region Code	1-12 2	1-12 3	1-12 10 6 2	10-20 12 8 4	>20 15 10 5
2. Urban Fuel Continuity (Plumes)	<25 8	25-40 2	41-60 1	61-80 6	>80 3
3. Vegetation Fuel Availability	Wet, North, Fragmented, Low Fuel Availability Score 1	Wet, North, Fragmented 2	Wet, North, Fragmented 3	Fragmented, North 4	Fragmented, North, South 5
4. Fire Spread Rate (Contiguity) - 100% slope	<1 coverage 1	1-25 coverage 2	26-50 coverage 3	>50 coverage < 10 on slope 4	>50 coverage > 10 on slope 5
5. Dry Wood Fuel Availability (Fuel Moisture)	<1 coverage 1	1-25 coverage 2	26-50 coverage 3	>50 coverage not assessed 4	>50 coverage partially assessed 5
6. Ground Fuel Continuity (Cover Depth)	<25 2	26-40 2	41-60 3	61-80 4	>80 5
7. Fuel Structure (Urban Density)	>100 or >60% continuous cover depth 6	41-60 2	41-60 3	>80 4	>80 5
8. Fuel Structure (Urban Density)	1-4 or <20% cover not assessed 6	1-4 3	1-4 2	>4 4	>4 5
9. Fuel Structure (Urban Density)	0-100 2	101-1000 3	>1000 4	>1000 5	>1000 6
10. Fuel Structure (Urban Density)	Standing Dead and Fuel Depth < 1 not assessed 6	Standing Dead and Fuel Depth 1-25 3	Standing Dead and Fuel Depth >25-50 4	Standing Dead and Fuel Depth >50-75 5	Standing Dead and Fuel Depth >75 6
11. Continuity (Fuel Depth) - Urban Area (%)	0-20 6	21-40 3	41-60 4	>60 5	>80 6
Sub Total 52 / 100					

Weather	A	B	C	D	E
12. Wind Direction	NE, E, S, SE 1	SW, W, NW, Dry Fuel Wet 2	SW, W, NW, Dry Fuel Wet 3	SW, W, NW, Dry Fuel Wet 4	SW, W, NW, Dry Fuel Wet 5
13. Annual Relative Humidity by Weather Zone	61, 61, 61, 61, 61, 61, 61, 61, 61, 61 1	61, 61, 61, 61, 61, 61, 61, 61, 61, 61 2	61, 61, 61, 61, 61, 61, 61, 61, 61, 61 3	61, 61, 61, 61, 61, 61, 61, 61, 61, 61 4	61, 61, 61, 61, 61, 61, 61, 61, 61, 61 5
Sub Total 15 / 30					

Topography	A	B	C	D	E
14. Aspect (1-10% slope)	North 6	East 3	<10% slope 4	West 5	South 6
15. Slope (%)	<10 1	10-25 and max 40% for North slopes 2	26-44 3	45-54 4	>55 5
16. Detail	Flat 1	Sloped 2	Sloped terrain, more fire retardation 3	Consistent slope, steep down or shallow gulch 4	Consistent slope, steep gulch 5
17. Landscape Topography (contiguity to wildfire zone)	< 10 to isolated forest 1	North and/or east aspect, moderate, wildfire spread restricted from south and/or west 2	Discontinuous terrain, bottom topography, regular aspect and slope changes, multiple structures to wildfire zone 3	Rolling terrain, water water bodies, minimal aspect and slope changes, minor structures to wildfire zone 4	Continuous, consistent topography, no structures to wildfire zone 5
Sub Total 18 / 30					

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Proximity of Structure/Community to Edge	No Structure Value < 100 - 2 km 6	Bottom of slope, valley bottom 1	Mid-slope, windward, exposed, 10% slope 2	Mid-slope, windward, > 10% slope 3	Open 1/3 of slope 4
19. Size of Structure	No Structure Value < 1 km 6	Residence structure, no additions 1	Residence structure, with additions 2	Structure > 1 structure 3	Structure > 1 structure 4
20. Proximity of Structure to Wildfire Zone	No Structure Value < 1 km 6	Edge > 100 (100-200) - 1 km 1 10 20	Edge > 200 (200-300) - 1 km 1 10 20	Edge > 300 (300-400) - 1 km 1 10 20	Edge > 400 (400-500) - 1 km 1 10 20
TOTAL WILDFIRE THREAT SCORE 106					

Threat info (Plot sub total) = 21
 **Based on structural component only of Wildfire Threat Behavior Score; > 10 for enhanced polygons.

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-100

High 101-140

Extreme >140

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last updated: January 14, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 60 Pictures



Picture 60-1 @ 360 degrees



Picture 60-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 61

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessment Post-assessment

Plot # **061** Community **Quesnel**
 Address **Brimacombe** Geographic Location/Street Name **Billard Rd Hwy 97N**
 Date **Oct 25/17** GPS/UBM **N53° 04.550 W 122° 22.690'**
 Plot # **0 1 2 3 4** Land Ownership Own Lease CC Other (Specify)

Criterion	SEVERITY				
	A	B	C	D	E
1. Soil/Topsoil and Surface Layer Soil	1-12 1	2-15 Dry Soil Wet 2 1 1	1-15 Dry Soil Wet 1 1 1	15-20 Dry Soil Wet 12 8 4	1-20 Dry Soil Wet 12 10 1
2. Surface Fuel Accumulation (0-100%)	<10 0	25-40 2	45-60 3	65-80 4	>80 5
3. Vegetation Fuel Characteristics	Wet, Herb, Impervious, Low Fuel Availability, Moist 1	2-10 2	10-20 3	20-40 4	40-60 5
4. Live Woody Fuel Availability (>10% Wetness)	<1 coverage 1	1-10 2	10-25 coverage 3	>25 coverage < 10 cm diam 4	>25 coverage > 10 cm diam 5
5. Live Woody Fuel Availability (>10% Dryness)	<1 coverage 1	1-10 2	10-25 coverage 3	> 25 coverage not assessed 4	>25 coverage partially assessed 5
6. Live Dead Fuel Availability (Dead >10%)	<10 1	10-20 2	20-30 3	30-40 4	>40 5
7. Live Dead Fuel Availability (Dead >10% Wetness)	>40 or >10% surface cover assess 1	45-60 2	45-60 3	60-80 4	>80 5
8. Live Dead Fuel Availability (Dead >10% Dryness)	2+ or >20% cover assess 1	2-5 2	2-15 3	1-15 4	>15 5
9. Potential Fuel Impervious and Fuel Availability (Fuel >10%)	0-100 1	100-200 2	200-300 3	300-400 4	>400 5
10. Fuel Moisture (% of Moisture and Fuel Availability)	Standing Dead and Fuel >10% 1	Standing Dead and Fuel >10% 2-25 2	Standing Dead and Fuel >10% >25-50 3	Standing Dead and Fuel >10% >50-75 4	Standing Dead and Fuel >10% >75 5
11. Fuel Moisture (Fuel >10% Wetness)	0-25 1	25-40 2	40-60 3	60-80 4	>80 5
Sub Total 61/100					
12. Exposure Factor	All Impervious 1	20% to 50% Dry Soil Wet 2 1 1	50% to 70% Dry Soil Wet 3 2 1	70% to 90% Dry Soil Wet 4 3 2	90% to 100% Dry Soil Wet 5 4 3
13. Exposure Factor (Fuel >10% Wetness)	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 2	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 3	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 4	01, 01, 01, 01, 01, 01, 01, 01, 01, 01 5
Sub Total 15/100					
14. Topography	North 1	East 2	<10% slope 3	West 4	South 5
15. Slope (%)	0-10 1	10-20 2	20-30 3	30-40 4	>40 5
16. Aspect	Flat 1	0-10 2	Sheltered slope, down low wind assess 3	Exposed slope, down slope or shallow gullies 4	Exposed slope, steep gullies 5
17. Landscape Topography (Continuous Wildfire Spread)	< 1 low relative threat 1	North and/or East aspect barriers, wildfire spread restricted from South and/or West 2	West-south, south, barrier topography, regular aspect and slope changes, multiple structures to wildfire spread 3	Sloping terrain, minor water barriers, irregular aspect and slope changes, dense structures to wildfire spread 4	Continuous, consistent topography No structures to wildfire spread 5
Sub Total 19/100					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORES					
18. Fuel Availability (Fuel >10% Wetness)	No Structure taken within 2 km 0	Between 2-5 km 1	Between 5-10 km 2	Between 10-15 km 3	More than 15 km 4
19. Fuel Availability (Fuel >10% Dryness)	No Structure taken within 2 km 0	Between 2-5 km 1	Between 5-10 km 2	Between 10-15 km 3	More than 15 km 4
20. Fuel Availability (Fuel >10% Wetness)	No Structure taken within 2 km 0	Between 2-5 km 1	Between 5-10 km 2	Between 10-15 km 3	More than 15 km 4
Sub Total 45/100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE 125					

061

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40
 Moderate 41-75
 High 76-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-13
 Moderate 14-26
 High 27-39
 Extreme >40

last updated January 26, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 61 Pictures



Picture 61-1 @ 360 degrees



Picture 61-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 62

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q62 Community: Quesnel Residential Post-occupied

Address: B. Morrow Geographic Location Street Name: Palliser Rd - Hwy 97N

Date: Oct 25/17 GPS/UTM: N536 049448 W1220 727

Notes: Q62 Land Ownership: Crown Private LR Other (Specify)

Q62

Factor	A	B	C	D	E
1 Fuel Treatment (within 50m)	0-1	2-4	5-10	11-20	>20
2 Fuel Load (kg/ha)	<20	20-40	41-60	61-80	>80
3 Vegetation Fuel Characteristics	Woods, Herb, Riparian Edge, Low Flammability Wood	Shrub, Deciduous	Conifer, Conifer/Decid	Proven, Decid	Superior, Budsprout, Redstart/Black, Seedling
4 Live Woody Fuel (kg/ha) (10m)	<1 average	<10 average	10-25 average	>25 average, <10 on slope	>25 average, >10 on slope
5 Live Woody Fuel (kg/ha) (100m)	<1 average	<10 average	10-25 average	>25 average, not elevated	>25 average, partially elevated
6 Standing Dead (kg/ha) (10m)	<20	20-40	41-60	61-80	>80
7 Standing Dead (kg/ha) (100m)	<200 or <20% cover	41-60	41-60	20-40	>20
8 Live and Dead (kg/ha) (10m)	0-100	101-200	201-400	401-600	>600
9 Live and Dead (kg/ha) (100m)	0-100	101-200	201-400	401-600	>600
10 Fuel Moisture (% of fuel) (10m)	Standing Dead and Fuel Moisture <1 or <20% cover	Standing Dead and Fuel Moisture 3-25	Standing Dead and Fuel Moisture >25-50	Standing Dead and Fuel Moisture >50-75	Standing Dead and Fuel Moisture >75
11 Fuel Moisture (% of fuel) (100m)	0-20	21-40	41-60	61-80	>80

Sub Total 6 / 100

Weather	A	B	C	D	E
12 Temperature (C)	<10	10-15	16-20	21-25	>25
13 Relative Humidity (RH) (10m)	41, 61, 81, 91, 95	62, 68, 81, 85, 91, 95, 97	67, 75, 84, 88, 91, 95	67, 65, 63, 61, 75, 85, 88, 91, 97, 98	67, 64, 61, 60

Sub Total 15 / 100

Topography	A	B	C	D	E
14 Aspect (10m slope)	North	East	<10% slope	West	South
15 Slope (%)	<10	10-25 and more steep for North slopes	26-40	41-74	>75
16 Wind	<1	Medium	Strong winds, West or West-Northwest	Constant strong wind from any direction	Constant strong wind from any direction
17 Additional Topographic Information to Consider	<1 No additional threat	North and/or east aspects dominate, wildfire spread more pronounced South and/or West	Maximum threat, slopes steeply, regular aspect and slope changes, no slope orientation to wildfire spread	Medium threat, slope water bodies, irregular aspect and slope changes, some orientation to wildfire spread	Constant, maximum topography, no orientation to wildfire spread

FUEL WEATHER AND TOPOGRAPHY

Sub Total 31 / 100

WILDLAND URBAN INTERFACE THREAT SCORE

Weather	A	B	C	D	E
18 Fuel Moisture (kg/ha) (10m)	No structures, within 2 km	Bottom of slope, valley bottom	Mid-slope (level, primary or 2nd slope)	Mid-slope, crevasses, >1% slope	Open 1/2 of slope
19 Fuel Moisture (kg/ha) (100m)	No structures, within 2 km	Bottom of slope, valley bottom	Mid-slope (level, primary or 2nd slope)	Mid-slope, crevasses, >1% slope	Open 1/2 of slope
20 Fuel Moisture (kg/ha) (100m)	No structures, within 2 km	None	Small	Medium	Large

Sub Total 45 / 100

TOTAL WILDFIRE THREAT SCORE 133 / 100

Wildfire Behaviour Threat Class (check applicable box)

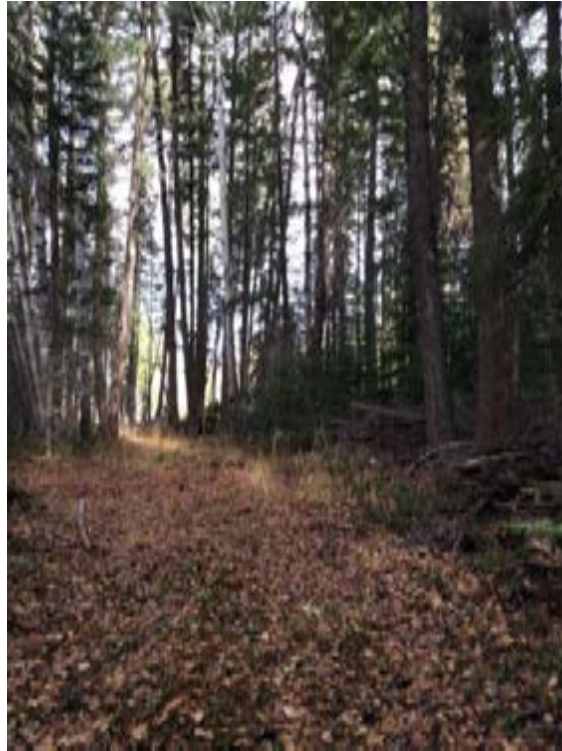
Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-80	<input type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Paul DeLano

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 62 Pictures



Picture 62-1 @ 360 degrees



Picture 62-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 63

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment Post treatment

Parcel: 063 Community: Quesnel

Address: B. Morrow Geographical Location: Highway 97N

Date: Oct 25/17 UTM: N53° 05.424 W122° 22.398

Owner: A Land Ownership: Crown Private U.S. (Non-locally)

063

Point	A	B	C	D	E
1. Soil Depth and Moisture Regime (m)	1-12 3	12-17 Dry Soil Wet 3 2 1	17-22 Dry Soil 10 2 1	22-26 Dry Soil Wet 12 8 4	>26 Dry Soil Wet 15 10 5
2. Surface Fuel Continuity (m)	<10 0	10-40 2	40-60 3	60-80 4	>80 5
3. Vegetation Fuel Continuity	None, Herb, Single Trunk, Low Retentionity Wood 1	Deciduous 2	Conifer, Conifer Shrub 3	Fireweed, Juniper 4	Logskunk, Buckhorn, American Bush, Scotch Broom 5
4. Fine Woody Debris Continuity (m) (m)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage < 10 m deep 4	>25 coverage > 10 m deep 5
5. Large Woody Debris Continuity (m) (m)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage not assessed 4	>25 coverage partially assessed 5
6. Live and Dead Fuel Continuity (m) (m)	<20 2	20-40 3	40-60 4	60-80 5	>80 6
7. Live and Dead Fuel Continuity (m) (m)	<50 or <40% moisture (over 40m) 0	40-60 1	60-80 2	>80 3	>80 4
8. Live and Dead Fuel Continuity (m) (m)	0-10 1	10-20 2	20-30 3	30-40 4	>40 5
9. Live and Dead Fuel Continuity (m) (m)	0-20 1	20-40 2	40-60 3	60-80 4	>80 5
10. Fuel Load (m) (m)	Standing Dead and Fuel Load <1 0	Standing Dead and Fuel Load 1-5 1	Standing Dead and Fuel Load 5-15 2	Standing Dead and Fuel Load 15-25 3	Standing Dead and Fuel Load >25 4
11. Continuous Fuel Load (m) (m)	0-20 0	20-40 1	40-60 2	60-80 3	>80 4

Sub Total 51 / 100

Structure	A	B	C	D	E
12. Structural Risk	All occupied 1	Occupied Dry Soil Wet 3 2 1	Occupied Dry Soil 10 2 1	Occupied Dry Soil Wet 15 10 5	Occupied Dry Soil Wet 20 15 10
13. Structural Risk (m) (m)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 1	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 2	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 3	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 4	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 5

Sub Total 15 / 100

Topography	A	B	C	D	E
14. Slope (> 1% slope)	None 1	Less 2	>10% (steep) 3	More 4	Dark 5
15. Slope (m)	<10 1	10-20 and then more for North slope 2	20-40 3	40-50 4	>50 5
16. Wind	1 1	Building 2	Sloped terrain, steep low relief slope 3	Concave down, deep draw or shallow gulch 4	Concave down, deep gulch 5
17. Landform Topography Continuity (m) (m)	< 1 ha of forested land 1	North and/or west aspects, moderate forest, south and/or West 2	West-facing terrain, broken topography, steep aspect and slope changes, moderate vegetation, no windbreaks 3	Sloping terrain, dense water bodies, minimal aspect and slope changes, dense vegetation in wildfire spread 4	Continuous, consistent topography, no structure in wildfire spread 5

Sub Total 63 / 100

FUEL WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Relative of Structural Continuity of Slope	No structure below within 20m 0	Bottom of slope, safety bottom 1	Mid slope, low forest, steep slope 2	Mid slope, structure, >10% slope 3	Upper 1/3 of slope 4
19. Structural Continuity	No structure below within 20m 0	Structure below, no fuel load 1	Structure below, with fuel load 2	Structure + 1 structure 3	Structure + 2 structures 4
20. Relative of Structural Continuity to Slope	No structure below within 20m 0	None >100, 200, 100, >200 m 1 10 20	Low >100, 200, 100, >200 m 1 10 20	High >100, 200, 100, >200 m 1 10 20	Very High >100, 200, 100, >200 m 1 10 20

Sub Total 32 / 100

*Based on structural component only of Wildfire Threat Assessment Score is +1 for unassisted structures.

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-50

High 51-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 11-20

High 21-30

Extreme >31

Not Used

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 63 Pictures



Picture 63-1 @ 360 degrees



Picture 63-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 64

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q64 Community: Quesnel Fire Protection Not a fire area

Address: B. Morgan Geographical location Street Name: 12-77th Cottonwood River

Date: Oct 25/17 UTM Zone: N53° 08.5481 W122° 22.102

Notes: Q64 Land Ownership: Owners Public LR Other (Specify)

Q64

Factor	A	B	C	D	E
1. Soil Depth and Moisture Regain Rate	1-12 3	2-15 Dry Soil Wet 10 1	3-18 Dry Soil Wet 10 2	10-20 Dry Soil Wet 12 4 4	>20 Dry Soil Wet 12 10 5
2. Soils (Soil Consistency, etc. index)	<20 8	20-40 2	41-60 3	61-80 4	>80 5
3. Vegetation Fuel Characteristics	High, North, High Density, Low Fuel Moisture 1	North, Grassland Shrub 2	Urban, Garden Shrub 3	Temperate, Juniper 4	Coniferous, Redwood, Douglas Fir, Scotch Pine 5
4. Dry Wood Fuel Availability (Fuel Moisture)	<1 coverage 1	Lowland <10 coverage 2	10-20 coverage 3	>20 coverage, < 10 cm deep 4	>20 coverage, > 10 cm deep 5
5. Live Wood Fuel Availability (Fuel Moisture)	<1 coverage 1	Lowland <10 coverage 2	10-20 coverage 3	>20 coverage, not abundant 4	>20 coverage, partially abundant 5
6. Live Fuel Fuel Consistency (Fuel Moisture)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7. Live Fuel Fuel Consistency (Fuel Moisture)	<100 or <10% fuel moisture content 1	10-20 2	21-30 3	31-40 4	>40 5
8. Live Fuel Fuel Consistency (Fuel Moisture)	<1 or <10% fuel moisture content 1	1-10 2	11-20 3	21-30 4	>30 5
9. Live Fuel Fuel Consistency (Fuel Moisture)	<100 1	101-200 2	201-300 3	301-400 4	>400 5
10. Fuel Moisture (No. of observations and no. of observations)	Standing Fuel and Fuel Moisture 1-2 1	Standing Fuel and Fuel Moisture 3-20 2	Standing Fuel and Fuel Moisture >20-50 3	Standing Fuel and Fuel Moisture >50-75 4	Varying Fuel and Fuel Moisture >75 5
11. Continuous Fuel Fuel Consistency (Fuel Moisture)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 58 / 232*					

Weather	A	B	C	D	E
12. Atmospheric Drier	40-60 1	61-80 Dry Soil Wet 2 1	81-100 Dry Soil Wet 3 2	101-120 Dry Soil Wet 4 3 5	121-140 5
13. Relative Humidity (Observations for Fuel Moisture)	61, 61, 61, 61, 61, 61, 61, 61 1	61, 61, 61, 61, 61, 61, 61, 61 2	61, 61, 61, 61, 61, 61, 61, 61 3	61, 61, 61, 61, 61, 61, 61, 61 4	61, 61, 61, 61, 61, 61, 61, 61 5
Sub Total 15 / 50					

Topography	A	B	C	D	E
14. Aspect (Windward)	East 1	East 2	<10% slope, all aspects 3	West 4	South 5
15. Slope (%)	<10 1	10-20 2	21-40 3	41-60 4	>60 5
16. Slope	Flat 1	Rolling 2	Steep slopes, may be in urban areas 3	Creosote slopes, may be in urban areas 4	Coniferous slopes, may be in urban areas 5
17. Landform Topography (Observations for Fuel Moisture)	< 5% no urban fuel 1	North and/or east aspects, domestic, wildfire spread limited to fuel source 2	Mountainous terrain, bottom topography, multiple aspect and slope changes, multiple fuel sources, no urban fuel sources 3	Rolling terrain, no low water table, minimal aspect and slope changes, several fuel sources 4	Coniferous, consistent topography fuel sources to wildfire spread 5
Sub Total 15 / 50					

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Fuel, Weather and Topography	No. of observations within 2 km 0	Between 1 and 2 km 1	Between 2 and 3 km 2	Between 3 and 4 km 3	Between 4 and 5 km 4
19. Fuel, Weather and Topography	No. of observations within 2 km 0	Between 1 and 2 km 1	Between 2 and 3 km 2	Between 3 and 4 km 3	Between 4 and 5 km 4
20. Fuel, Weather and Topography	No. of observations within 2 km 0	Between 1 and 2 km 1	Between 2 and 3 km 2	Between 3 and 4 km 3	Between 4 and 5 km 4
Sub Total 15 / 50					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE

32 / 232

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Moderate 41-60

High 61-140

Extreme >140

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Moderate 11-20

High 21-30

Extreme >30

Harvest

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 64 Pictures



Picture 64-1 @ 360 degrees



Picture 64-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 65

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-incident Post-incident

Site: Q65 Community: Quesnel

Address: 811 Maple Geographic location/Street Name: Highway 97N - Cottonwood River

Date: Oct 25/17 CPUSA: N53° 05' 69" W 122° 22' 38"

Phone: 0 0 0 4 Land Ownership: Crown Private Other (specify)

Q65

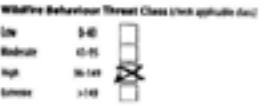
Factor	A	B	C	D	E
1. Soil Type and Moisture Retention	1-12	1-15 Dry Soil Wet	1-20 Dry Soil Wet	10-20 Dry Soil Wet	1-20 Dry Soil Wet
2. Fuel Load (quantity of wood)	<20	20-40	40-60	60-80	>80
3. Vegetative Fuel Composition	Herb. Forb. Impure Fuels, Low Flammability Wood	Herb. Deciduous Shrubs	Conifer, Conifer Shrubs	Fireweed	Leafy herb, Deciduous, Ambrosia Bush, Toxic Grass
4. Fuel Moisture Content (100% = 100% wet)	<10 average	10-20 average	10-20 average	>20 average < 10 on slope	>20 average > 10 on slope
5. Fuel Moisture Content (100% = 100% wet)	<10 average	10-20 average	10-20 average	>20 average not observed	>20 average partially observed
6. Live/Dead Fuel Load (See above #1)	<20	20-40	40-60	60-80	>80
7. Live/Dead Fuel Load (See above #1)	>80 or >40% moisture (See above #4)	40-60	40-60	60-80	<20
8. Live/Dead Fuel Load (See above #1)	10 or <10% moisture (See above #4)	1-5	1-12	10-20	<1
9. Live/Dead Fuel Load (See above #1)	10-20	10-20	10-20	10-20	>20
10. Fuel Moisture Content (See above #4)	Standing Fuel and Fuel Load < 100% moisture	Standing Fuel and Fuel Load 10-20	Standing Fuel and Fuel Load 10-20	Standing Fuel and Fuel Load 10-20	Standing Fuel and Fuel Load 10-20
11. Fuel Moisture Content (See above #4)	0-20	20-40	40-60	60-80	>80
Sub Total 65 / 100					

Weather	A	B	C	D	E
12. Wind Speed	0-10 mph	10-20 mph	20-30 mph	30-40 mph	40-60 mph
13. Relative Humidity (See above #1)	65, 60, 55, 50, 45, 40, 35, 30, 25, 20	55, 50, 45, 40, 35, 30, 25, 20	45, 40, 35, 30, 25, 20	35, 30, 25, 20, 15, 10, 5	25, 20, 15, 10, 5
Sub Total 15 / 100					

Topography	A	B	C	D	E
14. Aspect (100% slope)	North	East	<10% slope all aspects	West	>10
15. Slope (%)	<10	10-20 and near steep slopes	20-40	40-50	>50
16. Slope	Flat	Rolling	Steep slopes, near the road/structure	Consistent slope, steep slopes or shallow gulches	Consistent slope, steep gulches
17. Fuel Moisture Content (See above #4)	< 10% moisture (See above #4)	North and/or east aspects, moderate wildfire spread, reduced fuel loads	West and/or west aspects, moderate wildfire spread, moderate fuel loads	Rolling terrain, moderate slopes, moderate wildfire spread	Consistent, consistent topography, moderate wildfire spread
Sub Total 50 / 100					

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
Behaviour	A	B	C	D	E
18. Fuel Moisture Content (See above #4)	No Obstruction, Moisture within 2 hrs	Bottom of slope, valley bottom	Mid slope, low fuel, moderate wildfire spread	Mid slope, consistent, >10% slope	Slope 10% of slope
19. Fuel Moisture Content (See above #4)	No Obstruction, Moisture within 2 hrs	Proximity to fuel, no obstructions	Proximity to fuel, with obstructions	Normal > 10% slope	Normal < 10% slope
20. Fuel Moisture Content (See above #4)	No Obstruction, Moisture within 2 hrs	Slope >100 200 300 <100 m	Slope >100 200 300 <100 m	Slope >100 200 300 <100 m	Slope >100 200 300 <100 m
TOTAL WILDFIRE THREAT SCORE 165 / 200					

Based on the total score, the wildfire threat class is: **High**



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Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 65 Pictures



Picture 65-1 @ 360 degrees



Picture 65-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 66

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In treatment Not treated

Area # Q66 Community Quesnel

Number B100000 Designation/Street Name High 26

Date 02/25/17 CPUSA NS3 01.919 W120 24.187

Notes 8 19 Land Ownership Crown Private Other (Specify)

Q66

Factor	A	B	C	D	E
1 Fuel Quantity (Dry Matter)	1-12 1	13-15 Dry Matter 1 2 3 1	16-18 Dry Matter 1 12 4 1	19-24 Dry Matter 1 12 8 4	>25 Dry Matter 1 12 12 1
2 Fuel Fuel Quality (P-value)	<10 1	20-40 2	41-60 3	61-80 4	>80 5
3 Fuel Fuel Density	Very, Very, Very Low Fuel Density 1	Very, Low Fuel Density 2	Low, Low Fuel Density 3	Medium Fuel Density 4	Highly, Very High, Very High Fuel Density 5
4 Fuel Fuel Size (Diameter)	<1 coverage 1	10-25 coverage 2	26-50 coverage 3	>51 coverage < 10 cm dia 4	>75 coverage > 10 cm dia 5
5 Fuel Fuel Moisture Content (Fuel Moisture)	<1 coverage 1	10-25 coverage 2	26-50 coverage 3	>51 coverage not assessed 4	>75 coverage partially assessed 5
6 Fuel Fuel Surface Area (Fuel Area)	<20 1	21-40 2	41-60 3	61-80 4	>80 5
7 Fuel Fuel Fuel Type (Fuel Type)	>100 or >10% combustible area 1	10-100 2	101-100 3	101-100 4	>100 5
8 Fuel Fuel Fuel Type (Fuel Type)	10 or >10% comb. area 1	1-10 2	1-10 3	10 4	<1 5
9 Fuel Fuel Fuel Type (Fuel Type)	>100 1	101-100 2	101-100 3	101-100 4	>100 5
10 Fuel Fuel Fuel Type (Fuel Type)	Standing Fuel and Fuel Area < 1 or < 20 m ² /ha 1	Standing Fuel and Fuel Area 2	Standing Fuel and Fuel Area > 20-50 3	Standing Fuel and Fuel Area > 50-75 4	Standing Fuel and Fuel Area > 75 5
11 Fuel Fuel Fuel Type (Fuel Type)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 41 / 100*					

Weather	A	B	C	D	E
12 Wind Speed	All assigned 1	0-10, 10-15 Dry Wind 1 2 3 1	16, 16-20 Dry Wind 1 2 3 1	21-25, 26-30, 31-35 Dry Wind 1 2 3 1	36-40 1
13 Relative Humidity (RH) (RH)	01, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 1	11, 12, 13, 14, 15, 16, 17, 18, 19 2	21, 22, 23, 24, 25, 26, 27 3	31, 32, 33, 34, 35, 36, 37, 38, 39, 40 4	41, 42, 43, 44 5
Sub Total 15 / 100					

Topography	A	B	C	D	E
14 Slope (>10% slope)	North 1	East 2	<10% (all aspects) 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less for North slopes 2	21-40 3	41-50 4	>50 5
16 Aspect	1	2	3	4	5
17 Fuel Fuel Fuel Type (Fuel Type)	< 10% fuel area 1	North and/or east aspects dominant, wildfire spread increased fuel density 2	West aspect, better topography, regular aspect and slope changes, multiple microsites & wildfire spread larger water bodies 3	East aspect, steeper water bodies, minimal aspect and slope changes, more water bodies wildfire spread 4	Continuous, consistent topography no microsites wildfire spread 5
Sub Total 14 / 100					

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOR THREAT SCORES				
Behavioral	A	B	C	D	E
18 Behavior of Fuels (Behavior of Fuels)	No structures within 1 km 1	Structure of slope, valley bottom 2	Wild development, dominated < 10% slope 3	Wild development, > 10% slope 4	Open 1/3 of slope 5
19 Type of Development	No structures within 1 km 1	Residence clusters, no inlets 2	Residence clusters, with inlets 3	Inlets < 1 structure/ha 4	Inlets < 1 structure/ha inlets 5
20 Access of Structures (Access of Structures)	No structures within 1 km 1	None > 100 200 300 < 100 m 1 10 20	Small > 100 200 300 < 100 m 1 12 25	Not Small > 100 200 300 < 100 m 1 12 25	> 100 200 300 < 100 m 1 12 25
TOTAL WILDFIRE THREAT SCORE 145 / 100					

*Based only on fuel and total score
**Based on structural component only of Wildfire Threat Behavior Score > 100 for untreated polygons

Wildfire Behavior Threat Class (check applicable box)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-100	<input type="checkbox"/>
Extreme	>100	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	10-25	<input type="checkbox"/>
High	26-40	<input type="checkbox"/>
Extreme	>40	<input checked="" type="checkbox"/>

Last Updated January 24, 2017

Wet Site Receiving Area

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 66 Pictures



Picture 66-1 @ 360 degrees



Picture 66-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 67

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Plot: Q67 Community: Quesnel

Address: 8150 Main St Geographic Location (Street Name): Long Rd - North Hwy

Date: Oct 24/17 GPS/UTM: N 520 584 976 W 112041.571

Parcel: 1 Land Ownership: Crown Private LR Other (Specify)

Q67

Item	A	B	C	D	E
1 Soil Type and Wetland Buffer (if)	1-12	2-15 Dry Soil Wet 3 3 1	5-18 Dry Soil Wet 4 2	10-20 Dry Soil Wet 12 8 4	>20 Dry Soil Wet 15 10 5
2 Soil Moisture Potential	<20	20-40	40-60	60-80	80
3 Vegetation Fuel Competition	Wet, herb, frequent, low flammability (Wet)	Wet, herb, frequent (Wet)	Wet, herb, frequent (Wet)	Wet, herb, frequent (Wet)	Wet, herb, frequent (Wet)
4 Soil Moisture (Soil Moisture)	<10 average	10-20 average	20-30 average	>30 average	>30 average
5 Soil Moisture (Soil Moisture)	<10 average	10-20 average	20-30 average	>30 average	>30 average
6 Soil Moisture (Soil Moisture)	<20	20-40	40-60	60-80	80
7 Soil Moisture (Soil Moisture)	<20 or <20% water content	20-40	40-60	60-80	80
8 Soil Moisture (Soil Moisture)	2+ or <20% water content	2-3	2-3	2-3	<1
9 Soil Moisture (Soil Moisture)	0-100	100-200	200-300	300-400	>400
10 Soil Moisture (Soil Moisture)	Standing Water and Partly Dried <1 or <20% water	Standing Water and Partly Dried 1	Standing Water and Partly Dried >10-15	Standing Water and Partly Dried >10-15	Standing Water and Partly Dried >15
11 Soil Moisture (Soil Moisture)	0-20	20-40	40-60	60-80	80

Sub Total 1387

Item	A	B	C	D	E
12 Aspect/Aspect	All Aspects	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet
13 Aspect/Aspect	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet	SW, SE, NW, Dry Soil Wet

Sub Total 15

Item	A	B	C	D	E
14 Aspect/Aspect	North	SW	<10% slope of aspect	West	South
15 Aspect/Aspect	<10	10-20 and more steep for North aspect	20-40	40-60	>60
16 Aspect/Aspect	Flat	Rolling	Steep	Concave	Concave
17 Aspect/Aspect	<1 for isolated forest	North and for east aspect	Mountainous terrain, dense	Rolling terrain, dense water	Concave, low water

Sub Total 140

FUEL, WEATHER AND TOPOGRAPHY

Item	A	B	C	D	E
18 Fuel, Weather and Topography	No Structure	Structure	Structure	Structure	Structure
19 Fuel, Weather and Topography	No Structure	Structure	Structure	Structure	Structure
20 Fuel, Weather and Topography	No Structure	Structure	Structure	Structure	Structure

Sub Total 141

TOTAL WILDFIRE THREAT SCORE

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Moderate 41-75

High 76-140

Extreme >140

Wildland Urban Interface Threat Class (check applicable class)

Low 0-11

Moderate 12-20

High 21-29

Extreme >30

last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 67 Pictures



Picture 67-1 @ 360 degrees



Picture 67-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 68

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET New Location Non-Location

Parcel: Q68 Community: Quesnel

Address: 13 Morrow Geographic Location Street Name: Long Rd

Date: 02/29/17 UPRVIR: N53°58'32W W112°41'19W

Photos: Land Ownership: Crown Private LR Other (Specify)

Q68

Factor	A	B	C	D	E
1. Soil Depth and Moisture Regime (m)	1-12 2	1-15 Soil Wet 3 1 1	1-15 Dry Soil Wet 12 6 2	15-20 Dry Soil Wet 12 6 4	>20 Dry Soil Wet 10 10 5
2. Surface Soil Conductivity (µmhos/cm)	<20 0	20-40 2	40-60 3	60-80 4	>80 5
3. Vegetation Fuel Characteristics	Wet, Herb, Intermittent Open, Low Flammability Wood 1	Wet, Deciduous Shrub 2	Open, Conifer Shrub 3	Forest 4	Dominant, Fuel-rich, Intermittent Shrub, Conifer Shrub 5
4. Soil Moisture Index (Soil Moisture + Fuel Moisture)	<1 coverage 1	1-2 coverage 2	10-25 coverage 3	>25 coverage 4 (Soil dry) 4	>25 coverage 5 (Soil dry) 5
5. Large Woody Debris (Density 1-10m, 10-20m)	<1 coverage 1	1-2 coverage 2	10-25 coverage 3	>25 coverage 4 (stacked) 4	>25 coverage 5 (stacked) 5
6. Live and Dead Conifers (Less than 10m)	0 1	20-40 2	40-60 3	60-80 4	>80 5
7. Live and Dead Conifers (10-20m)	>80 or >20% coverage 0	60-80 1	40-60 2	20-60 3	<20 4
8. Live and Dead Conifers (20-30m)	0 or <20% coverage 0	0-2 1	2-12 2	12-20 3	>20 4
9. Live and Dead Conifers (30-40m)	0-100 1	100-150 2	150-200 3	200-400 4	>400 5
10. Fuel Load (kg of above-ground biomass/ha)	Standing Dead and Fuel Load <1 or <20% live 1	Standing Dead and Fuel Load 1-25 2	Standing Dead and Fuel Load 25-50 3	Standing Dead and Fuel Load 50-75 4	Standing Dead and Fuel Load >75 5
11. Landscape Form (Peak Load 1000-10000)	0-20 0	21-40 1	41-60 2	61-80 3	>80 4

Sub Total: 68 / 100*

Weather	A	B	C	D	E
12. Temperature (°C)	40 (range) 1	40-45, 45-50 Dry Soil Wet 2 1 1	45-50, 50-55 Dry Soil Wet 10 10 5	50-55, 55-60, 60-65, 65-70 Dry Soil Wet 10 10 5	60-65 10
13. Relative Humidity (Average for 24 hours)	61, 61, 61, 64, 65, 66, 67, 67, 67, 67, 67, 67 1	61, 60, 61, 64 66, 61, 65, 68 2	61, 55, 64, 64 61, 55, 68 3	61, 60, 63, 63, 63, 63, 66, 66, 66, 67, 67 4	61, 64, 63, 61 10

Sub Total: 13 / 100

Topography	A	B	C	D	E
14. Aspect (°/Slope)	North 0	East 1	<30% or 30% aspects 2	West 3	South 4
15. Slope (%)	0 1	10-20 and less than for North slopes 2	20-40 3	40-54 4	>50 5
16. Aspect	0 1	Rolling 2	Steep terrain, narrow valley floor 3	Concave slope, deep draw or shallow gulch 4	Convex slope, deep gulch 5
17. Landscape Topography (Complexity in wildfire threat)	<1 to isolated forest 1	North and to east aspects dominant, with fire spread restricted from South and/or West 2	Widespread terrain, broken topography, regular aspect and slope changes, multiple microsites, with/without large firebreaks 3	Rolling terrain, minor water features, irregular aspect and slope changes, minor microsites in wildfire threat 4	Continuous topography, irregular aspect and slope changes, no microsites in wildfire threat 5

Sub Total: 23 / 100*

FUEL WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
Structural	A	B	C	D	E
18. Position of Structure (Distance to Edge)	No Structure Values within 1 km 0	Bottom of slope, valley bottom 1	Mid slope (inclined street valley, 10% slope) 2	Mid slope (inclined, >15% slope) 3	Open 1/2 of Slope 4
19. Size of Development	No Structure Values within 1 km 0	Personnel facilities, no buildings 1	Personnel facilities, with buildings 2	Structure 1 3	Structure 1 (cylindrical) 4
20. Position of Structure (Wind direction)	No Structure Values within 1 km 0	None >100 200 300 < 300 m 1 10 20	South >100 200 300 < 300 m 1 10 20	East/West >100 200 300 < 300 m 1 10 20	Other >100 200 300 < 300 m 1 10 20

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: 68 / 100
TOTAL WILDFIRE THREAT SCORE: 104 / 100

*Based on Structural Component only if Wildfire Threat Behaviour Score is >10 for unretrofit buildings.

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 68 Pictures



Picture 68-1 @ 360 degrees



Picture 68-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 69

Q69

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q69 Community: Quesnel

Address: Brimarrow Geographic Location/Street Name: Lower Rd

Date: Dec 25 17 UPRN: NS10 58 999 W120 41 602

Parcel: 1 2 3 4 Land Ownership: Crown Private LR Other (specify)

Factor	A	B	C	D	E
1. Soil Aspect and Slope (degrees)	1-10 1	11-20 2	21-30 3	31-40 4	41-50 5
2. Soils (Soil Consistency (R index))	<20 1	20-40 2	41-60 3	61-80 4	>80 5
3. Vegetation Fuel Competition	None, herbs, Impaired Crown, low Fuel Availability (R index) 1	Herbs, Deciduous Shrubs 2	Conifers, Deciduous Shrubs 3	Deciduous 4	Logskrub, Rubus, Juniper, Average Shrub, Tall Grass 5
4. Fuel Moisture Content (1.5m Fuel Moisture)	<7% average 1	7-10% 2	10-20% average 3	>20% average 4	>25% average 5
5. Large Woody Debris (Density (1.5m Fuel Moisture))	<7% average 1	7-10% 2	10-20% average 3	>20% average 4	>25% average 5
6. Unprotected Combustible (Close Proximity)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7. Fuel Treatment (Average Fuel)	>80 or >10% 1	61-80 2	41-60 3	20-60 4	<20 5
8. Unprotected Combustible (Close Proximity)	1-2 or <20% 1	3-5 2	6-10 3	11-15 4	>15 5
9. Unprotected Combustible (Close Proximity)	1-200 1	201-400 2	401-600 3	601-800 4	>800 5
10. Fuel Moisture (1.5m Fuel Moisture)	Standing Fuel and Fuel Moisture < 1 or < 20% 1	Standing Fuel and Fuel Moisture 1-2 2	Standing Fuel and Fuel Moisture 3-5 3	Standing Fuel and Fuel Moisture > 5-10 4	Standing Fuel and Fuel Moisture > 10 5
11. Combustible (Close Proximity)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Sub Total **63** / 100

Weather	A	B	C	D	E
12. Atmospheric Drier	40 Impaired 1	200, 200-300 2	300, 300-400 3	400, 400-500 4	500 5
13. Atmospheric Drier (R index)	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 1	21, 22, 23, 24, 25, 26, 27, 28, 29 2	30, 31, 32, 33, 34, 35, 36, 37, 38, 39 3	40, 41, 42, 43, 44, 45, 46, 47, 48, 49 4	50, 51, 52, 53, 54, 55 5

Sub Total **15** / 100

Topography	A	B	C	D	E
14. Aspect (1/100 slope)	North 1	East 2	>10° 3	West 4	South 5
15. Slope (%)	0 1	1-10 2	11-20 3	21-30 4	>30 5
16. Wind	0 1	1-10 2	11-20 3	21-30 4	>30 5
17. Substrate (topography)	< 1% 1	1-10% 2	11-20% 3	21-30% 4	>30% 5

Sub Total **43** / 100

FUEL, WEATHER AND TOPOGRAPHY WILDLAND BEHAVIOUR THREAT SCORE

Structural	A	B	C	D	E
18. Fuel Moisture (1.5m Fuel Moisture)	No Structure 1	Structure 2	Structure 3	Structure 4	Structure 5
19. Fuel Moisture (1.5m Fuel Moisture)	No Structure 1	Structure 2	Structure 3	Structure 4	Structure 5
20. Fuel Moisture (1.5m Fuel Moisture)	No Structure 1	Structure 2	Structure 3	Structure 4	Structure 5

Sub Total **45** / 100

TOTAL WILDFIRE THREAT SCORE **140** / 100

Wildfire Behaviour Threat Class (if not applicable class)

Low 0-40

Medium 41-55

High 56-100

Extreme >100

Wildland Urban Interface Threat Class (if not applicable class)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 69 Pictures



Picture 69-1 @ 360 degrees



Picture 69-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 70

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: 070 Community: Quesnel

Address: B. MAGAN Geographical Location (Street Name): Recreation Area Hwy

Date: Oct 25/17 GPS/UTM: NS2 58 539 W122 42.101

Photos: 4 Land Use: Open Acreage (18) Other (Specify):

Q70

Factor	A	B	C	D	E
1 Fuel Type and Wetness (WUI)	1-2 3	2-3 Dry Dead Wood 3 2 1	1-10 Dry Dead Wood 10 6 2	10-20 Dry Dead Wood 12 8 4	>20 Dry Dead Wood 22 18 5
2 Fuelbed Fuel Characteristics (WUI)	<20 4	20-40 7	40-60 3	60-80 6	>80 1
3 Slope and Aspect	Ways, hills, Irregular Slopes, Low Vulnerability Slopes 1	Ways, Irregular Slopes 2	Level, Gentle Slopes 3	Steep, Aspect 4	Very Steep, Aspect, South Slopes 5
4 Fire Spread Index (WUI) (1-100)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, < 10% slope 4	>25 coverage, partially shaded 5
5 Fuel Moisture Content (WUI) (1-100)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage, not shaded 4	>25 coverage, partially shaded 5
6 Fire Spread Index (WUI) (1-100)	<20 2	20-40 3	40-60 4	60-80 5	>80 6
7 Fire Spread Index (WUI) (1-100)	>80 or >20% wetness cover class 6	60-80 5	40-60 4	20-60 3	<20 2
8 Fire Spread Index (WUI) (1-100)	1-4 or <20% wetness cover class 6	4-6 5	6-12 4	12-20 3	>20 2
9 Fire Spread Index (WUI) (1-100)	1-100 2	100-200 3	200-400 4	400-600 5	>600 6
10 Fuel Moisture Content (WUI) (1-100)	Standing Dead and Fuel Moisture <1 or <10% cover class 6	Standing Dead and Fuel Moisture 5	Standing Dead and Fuel Moisture >10-50 4	Standing Dead and Fuel Moisture >50-75 3	Standing Dead and Fuel Moisture >75 2
11 Fuel Moisture Content (WUI) (1-100)	6-20 6	20-40 5	40-60 4	60-80 3	>80 2

Sub Total: 72/27

Weather	A	B	C	D	E
12 Wind Speed	0-10 mph 1	10-20 mph 2	20-30 mph 3	30-40 mph 4	>40 mph 5
13 Relative Humidity (RH) (1-100)	0-50 1	50-60 2	60-70 3	70-80 4	>80 5

Sub Total: 15/38

Topography	A	B	C	D	E
14 Aspect (1-100)	North 6	East 5	<10% aspect 4	West 3	South 2
15 Slope (%)	<10 1	10-20 2	20-40 3	40-60 4	>60 5
16 Aspect	North 1	East 2	Southwest 3	East or other aspect 4	Southwest 5
17 Fuelbed Topography (WUI) (1-100)	<1 to isolated forest 1	North and/or west aspect dominant, wildfire spread restrictions south and/or west 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates, wildfire spread large and/or periodic 3	Valley terrain, minor aspect and slope changes, microclimates, wildfire spread 4	Continuously increasing topography, wildfire spread 5

Sub Total: 7/33

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORES

Structural	A	B	C	D	E
18 Proximity to Structure (WUI) (1-100)	No Structure 6	Between 100m and 200m 5	Between 200m and 300m 4	Between 300m and 400m 3	Between 400m and 500m 2
19 Fuel Moisture Content (WUI) (1-100)	No Structure 6	Between 100m and 200m 5	Between 200m and 300m 4	Between 300m and 400m 3	Between 400m and 500m 2
20 Fuel Moisture Content (WUI) (1-100)	No Structure 6	Between 100m and 200m 5	Between 200m and 300m 4	Between 300m and 400m 3	Between 400m and 500m 2

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: 72/27

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE: 7/33

TOTAL WILDFIRE THREAT SCORE: 79

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Critical >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Critical >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 70 Pictures



Picture 70-1 @ 90 degrees



Picture 70-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 71

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment Not for treatment

Plot # Q71 Community: Quesnel

Address: 0 Maryrow Geographic location (Street Name): Norfolk Hwy

Date: 04/25/17 GPS/UTM: N51° 59.433 W122° 41.914

Photos: 0 4 Land Ownership: Crown Private Other (specify):

Q71

Plot	A	B	C	D	E
1. Soil depth and amount (Slope 10%)	1-12 2	2-12 2 1	1-12 Dry Soil Wet 10 6 2	10-20 Dry Soil Wet 12 8 4	1-20 Dry Soil Wet 17 10 3
2. Surface Fuel Continuity (% cover)	<25 0	25-40 2	41-60 3	61-80 4	81-100 5
3. Vegetation Fuel Characteristics	Shrub, herbs, Angled Crow, Low flammability index 1	Herbs, herbaceous shrubs 2	Lush, leafy shrubs 3	Flammable 4	Scrubland, Ranunculaceae, Asteraceae, South-facing 5
4. Fire Spread Index Continuity (1-10) (10-100m)	<1 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage >100m long 4	>25 coverage 100m long 5
5. Large Woody Debris Continuity (1-10) (10-100m)	<1 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage 40-100m long 4	>25 coverage 100m long 5
6. Open Area Continuity (Open Area %)	<25 2	26-40 3	41-60 4	61-80 5	81-100 6
7. LULU Continuity (Open Area %)	>60 or >40% continuous open area 1	41-60 2	41-60 3	26-40 4	1-40 5
8. Obstructed Area Continuity (Obstructed Area %)	1-1 or <20% continuous open area 1	2-2 2	2-2 3	3-3 4	4-4 5
9. Fire Area Continuity and Intensity (Continuity %)	1-100 1	101-200 2	201-300 3	301-400 4	401-500 5
10. Fuel Moisture (24 hr antecedent wet period) (mm)	Standing Dead and Fuel Moisture < 1 or <10 mm/ha 1	Standing Dead and Fuel Moisture 1-25 2	Standing Dead and Fuel Moisture >25-50 3	Standing Dead and Fuel Moisture >50-75 4	Standing Dead and Fuel Moisture >75 5
11. Continuity Fuel Moisture (mm)	0-25 1	27-40 2	42-60 3	62-80 4	82-100 5

Sub Total 14 / 100

Weather	A	B	C	D	E
12. Temperature (C)	All Angled 1	0-10, 10-15 Dry Soil Wet 2 2 1	15-20, 20-25 Dry Soil Wet 3 3 2	25-30, 30-35 Dry Soil Wet 4 4 3	35-40 5
13. Relative Humidity (Average 24 hr) (%)	65, 65, 65, 65, 65, 65, 65, 65, 65, 65 1	45, 45, 45, 45, 45, 45, 45, 45, 45, 45 2	25, 25, 25, 25, 25, 25, 25, 25, 25, 25 3	15, 15, 15, 15, 15, 15, 15, 15, 15, 15 4	5, 5, 5, 5, 5, 5, 5, 5, 5, 5 5

Sub Total 15 / 100

Topography	A	B	C	D	E
14. Aspect (1-10) slope	North 1	East 2	<10% slope 3	West 4	South 5
15. Slope (%)	<10 1	10-25 and more steep for North slopes 2	26-40 3	41-60 4	>60 5
16. Wind	8 1	Building 2	Open fields, open low relief areas 3	Concentrated slope, steep slopes or other paths 4	Concentrated slope, steep paths 5
17. Continuity Topography (Continuity %)	< 10% continuous 1	North and for west aspect, otherwise, with no spread restriction from North and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple obstructions to wind, spread from the West 3	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor obstructions to wildfire spread 4	Continuous, continuous topography, no obstructions to wildfire spread 5

Sub Total 11 / 100

FUEL WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORES

Structural	A	B	C	D	E
18. Number of Structures (Continuity at 2 km)	No Structures Within 2 km 0	Between 1-10 Within 2 km 1	Between 11-20 Within 2 km 2	Between 21-30 Within 2 km 3	Between 31-40 Within 2 km 4
19. Size of Structures	No Structures Within 2 km 0	Between 1-10 Within 2 km 1	Between 11-20 Within 2 km 2	Between 21-30 Within 2 km 3	Between 31-40 Within 2 km 4
20. Number of Structures (Continuity at 1 km)	No Structures Within 1 km 0	Between 1-10 Within 1 km 1	Between 11-20 Within 1 km 2	Between 21-30 Within 1 km 3	Between 31-40 Within 1 km 4

Sub Total 10 / 100

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 21 / 100
TOTAL WILDFIRE THREAT SCORE 17 / 100

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 71 Pictures



Picture 71-1 @ 360 degrees



Picture 71-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 72

Q72

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET					
Map # Q72	Community Quesnel				
Address B. Monahan	Geographic Location/Street Name Ten Mile Park				
Date Oct 26/11	GPS/UTM N53 02.595 W122 26.041'				
Parcel # 0 4	Land Ownership <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Other (specify)				
LULU 1					
Fuel	A	B	C	D	E
1 Fuel Type/Structure (See sheet)	1-12	15-20	21-25	26-30	31-35
2 Fuel Moisture (See sheet)	1	2	3	4	5
3 Fuel Load (See sheet)	None, Very Light (1-2), Low (3-4)	Light (5-6)	Light, Medium (7-8)	Medium, High (9-10)	High, Very High (11-12)
4 Fuel Moisture (See sheet)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage	>25 coverage
5 Fuel Moisture (See sheet)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage	>25 coverage
6 Fuel Moisture (See sheet)	<1	2-4	5-7	8-10	11-12
7 Fuel Moisture (See sheet)	<10 or <10% cover	10-20	20-40	40-60	60-80
8 Fuel Moisture (See sheet)	0-1	2-3	4-5	6-7	8-9
9 Fuel Moisture (See sheet)	0	100-1000	1000-2000	2000-4000	>4000
10 Fuel Moisture (See sheet)	Standing fuel and Fuel Load < 1	Standing fuel and Fuel Load 1-2	Standing fuel and Fuel Load 2-5	Standing fuel and Fuel Load 5-10	Standing fuel and Fuel Load >10
11 Fuel Moisture (See sheet)	0-20	21-40	41-60	61-80	81-100
Sub Total 69					
Weather					
12 Relative Humidity	40-50%	50-60%	60-70%	70-80%	80-90%
13 Relative Humidity (See sheet)	41, 51, 61, 71, 81, 91, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191, 201	21, 31, 41, 51, 61, 71, 81, 91, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191, 201	11, 21, 31, 41, 51, 61, 71, 81, 91, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191, 201	1, 11, 21, 31, 41, 51, 61, 71, 81, 91, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191, 201	1, 11, 21, 31, 41, 51, 61, 71, 81, 91, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191, 201
Sub Total 15					
Topography					
14 Aspect (See sheet)	North	East	<10% slope	West	South
15 Slope (%)	0	10-20	20-40	40-54	>54
16 Slope	Flat	1-3	4-6	7-9	10-12
17 Windward Topography (See sheet)	<1 for isolated forest	North and West aspects	West and East aspects	East and West aspects	East, West, and South aspects
Sub Total 19					
FUEL, WEATHER AND TOPOGRAPHY					
WILDFIRE READINESS THREAT SCORE					
18 Fuel, Weather and Topography	No structure	Structure	Structure	Structure	Structure
19 Fuel, Weather and Topography	No structure	Structure	Structure	Structure	Structure
20 Fuel, Weather and Topography	No structure	Structure	Structure	Structure	Structure
Sub Total 45					
TOTAL WILDFIRE THREAT SCORE					
148					

Park
1/2 acre
dead/dorm

Wildfire Readiness Threat Class (check applicable box)

Low 0-10

Medium 11-25

High 26-40

Critical >40

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-25

High 26-40

Critical >40

last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 72 Pictures



Picture 72-1 @ 360 degrees



Picture 72-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 73

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: **Q73** Community: **Quesnel** No structure Fuel structure

Address: **B Marrow** Geographic Location/Street Name: **Ten Mile Park**

Date: **8/26/17** GPS/UTM: **N53 05 036 W122 26.514**

Photos: 1 2 3 4 Land Use: Open Forest Urban Other (Specify)

Factor	A	B	C	D	E
1 Fuel Type and Amount (light fuel)	1-2 3	3-4 Dry Dead Wood 5 3 1	5-6 Dry Dead Wood 10 8 4	7-8 Dry Dead Wood 12 8 4	>8 Dry Dead Wood 15 10 5
2 Surface Fuel Continuity (1% area)	<20 0	20-40 2	40-60 3	60-80 4	>80 5
3 Vegetation Fuel Availability	None, Herb, Impure Grass, Low Flammability Wood 1	Herb 2	Light, Conifer Shrub 3	Flammable, Shrub 4	Superior, R-1/C2/C3, Shrub or Shrub, Shrub Shrub 5
4 Fine Wood Fuel Continuity (1-1/2" dia. fuel)	<1 coverage 1	1-2 coverage 2	3-25 coverage 3	>25 coverage, < 10 cm dia 4	>25 coverage, > 10 cm dia 5
5 Large Wood Fuel Continuity (1-1/2" dia. fuel)	<1 coverage 1	1-2 coverage 2	3-25 coverage 3	> 25 coverage, not stacked 4	>25 coverage, partially stacked 5
6 Live and Dead Fuel Load (Crown Load)	0-2 1	20-40 2	40-60 3	60-80 4	>80 5
7 Live/Dead Fuel Load (Stem Fuel)	<10 or <10% crown cover 1	10-20 2	20-40 3	40-60 4	>60 5
8 Live and Dead Fuel Load (Fuel Weight)	1+ or <20% crown cover 1	2-5 2	5-10 3	10-20 4	>20 5
9 Live and Dead Fuel Load (Fuel Weight)	0-100 1	100-200 2	200-300 3	300-400 4	>400 5
10 Fuel Load (Fuel Structure and Fuel Weight)	Standing Fuel and Fuel Load <1 or fuel structure 1	Standing Fuel and Fuel Load 1-25 2	Standing Fuel and Fuel Load >25-50 3	Standing Fuel and Fuel Load >50-75 4	Standing Fuel and Fuel Load >75 5
11 Continuity (Fuel Structure and Fuel Weight)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total: 38 / 100*					
12 Aspect/Fuel Size	W, E, S, N 1	SW, SE, NW, NE 2	W, E, S, N 3	SW, SE, NW, NE, S, N, E, W 4	W, E, S, N 5
13 Distance to Structure (100' dia. fuel)	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 1	17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 2	31, 32, 33, 34, 35, 36, 37, 38, 39, 40 3	41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60 4	61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80 5
Sub Total: 15 / 100					
14 Topography	None 1	Flat 2	<10% slope 3	10-20 4	20+ 5
15 Slope	<2 1	2-20 2	20-40 3	40-60 4	>60 5
16 Wind	Low 1	Medium 2	Sloped terrain, clear line of sight 3	Continued slope, deep gully or shallow gulch 4	Continued slope, deep gulch 5
17 Landscape Topography (Structure or Fuel Structure)	<1 to isolated forest 1	North and/or east aspect, moderate, wildfire spread moderate forest, fuel structure 2	Mountainous terrain, broken topography, regular aspect and slope, moderate wildfire spread moderate forest, fuel structure 3	Sloped terrain, major water bodies, irregular aspect and slope, steep, major wildfire spread moderate forest, fuel structure 4	Continuous, continuous topography, no structure to wildfire spread 5
Sub Total: 13 / 100**					
FUEL, WEATHER AND TOPOGRAPHY WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
18 Structure	No Structure None within 2 km 0	Bottom of slope, valley bottom 1	Mid slope, bench land, rounded valley, 10% slope 2	Mid slope, continuous, >10% slope 3	Slope >10% slope 4
19 Type of Structure	No Structure None within 2 km 0	Residence, structure, no fuel structure 1	Residence, structure, fuel structure 2	Structure >1 structure/fuel structure 3	Structure >2 structure/fuel structure 4
20 Area of Structure (Fuel Structure or Fuel)	No Structure None within 2 km 0	None >100 200 300 < 100 m 1 10 20	Small >100 200 300 < 100 m 1 10 20	Large >100 200 300 < 100 m 1 10 20	Extra >100 200 300 < 100 m 1 10 20
Sub Total: 40 / 100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE: 95					

Q73

Wildfire Behaviour Threat Class (if applicable (see))

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (if applicable (see))

Low 0-10

Medium 10-20

High 21-30

Extreme >30

Last Updated: January 26, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 73 Pictures



Picture 73-1 @ 360 degrees



Picture 73-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 74

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No structure Has structure

Site # Q74 Community Quesnel

Address Bentley Geographic Location Street Name Ten Mile Park

Date 02/26/17 GPS UTM N53 04 906 W 12 26 953

Phone 0 Land Ownership Crown Private Other (Specify)

Q74

Factor	A	B	C	D	E
1. Soil Slope and Aspect (Factor 1)	1-12	13-24	25-36	37-48	49-60
2. Slope (Factor 2)	<10	11-20	21-30	31-40	41-50
3. Vegetation Fuel (Factor 3)	Very low, sparse, low fuel load	Low, scattered shrubs	Common, scrub	High, dense	Very high, dense, fuel load
4. Fuel Moisture (Factor 4)	<10 average	11-20 average	21-30 average	31-40 average	41-50 average
5. Fuel Moisture (Factor 5)	<10 average	11-20 average	21-30 average	31-40 average	41-50 average
6. Fuel Moisture (Factor 6)	<10	11-20	21-30	31-40	41-50
7. Fuel Moisture (Factor 7)	<10 or <10% moisture	11-20	21-30	31-40	41-50
8. Fuel Moisture (Factor 8)	0-10	11-20	21-30	31-40	41-50
9. Fuel Moisture (Factor 9)	0-100	101-200	201-300	301-400	401-500
10. Fuel Moisture (Factor 10)	Standing fuel and fuel load	Standing fuel and fuel load	Standing fuel and fuel load	Standing fuel and fuel load	Standing fuel and fuel load
11. Fuel Moisture (Factor 11)	0-25	26-50	51-75	76-100	101-150

Sub Total **70** / 100

Weather	A	B	C	D	E
12. Wind Speed	0-10	11-20	21-30	31-40	41-50
13. Relative Humidity	45, 40, 35, 30, 25, 20, 15, 10, 5	46, 41, 36, 31, 26, 21, 16, 11, 6	47, 42, 37, 32, 27, 22, 17, 12, 7	48, 43, 38, 33, 28, 23, 18, 13, 8	49, 44, 39, 34, 29, 24, 19, 14, 9

Sub Total **15** / 50

Topography	A	B	C	D	E
14. Aspect	North	East	<10% aspect	West	South
15. Slope	0	1-20 and less over the North slope	21-30	31-40	41-50
16. Slope	0	1-20	21-30	31-40	41-50
17. Topography	< 1% incline	North and/or east aspect, moderate fuel load	Mountainous terrain, dense vegetation, regular aspect and slope changes, multiple exposures to wildfire threat	Rolling terrain, moderate fuel load, moderate aspect and slope changes, moderate exposures to wildfire threat	Continuous, continuous topography, moderate fuel load, wildfire threat

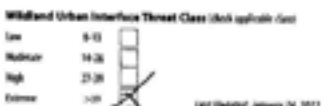
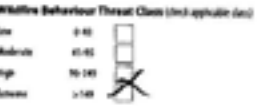
Sub Total **75** / 100

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE

Structure	A	B	C	D	E
18. Structure	No structure	Structure	Structure	Structure	Structure
19. Structure	No structure	Structure	Structure	Structure	Structure
20. Structure	No structure	Structure	Structure	Structure	Structure

Sub Total **100** / 100

TOTAL WILDFIRE THREAT SCORE **185** / 200



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 74 Pictures



Picture 74-1 @ 360 degrees



Picture 74-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 75

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment For treatment

Area: Q75 Community: Quesnel

Location: By the road Geographic Location/Street Name: 1/2 mile from

Date: 2/24/17 UPLINK: NS3 01.107 Whitebank 26.974

Parcel: 1 2 3 4 Land Ownership: Owner Tenant Other (Specify)

Q75

Item	A	B	C	D	E
1. Soil Type and Wetness Rating (see)	1-12 3	2-15 Dry Soil Wet 7	3-18 Dry Soil Wet 10 8 2	10-20 Dry Soil Wet 12 8 4	2-20 Dry Soil Wet 12 10 3
2. Surface Fuel (see table)	1-20 0	20-40 2	40-60 3	60-80 4	80-100 5
3. Vegetative Fuel Characteristics	Many herbs, legumes or grass, low flammability (see table)	Many Deciduous shrubs	Grass, Grass Stems	Perennial, shrubs	Coniferous, Deciduous, Arbutus Bush, Small Trees
4. Fuel Moisture Content (see table)	<1 coverage 1	Lowest, <10 coverage 1	10-25 coverage 2	>25 coverage, <10 on slope 3	>25 coverage, >10 on slope 4
5. Fuel Moisture Content (see table)	<1 coverage 1	Lowest, <10 coverage 2	10-25 coverage 3	>25 coverage, not observed 4	>25 coverage, not observed 5
6. Fuel and Fuel Moisture Content (see table)	1-20 2	20-40 3	40-60 4	60-80 5	80-100 6
7. Fuel Moisture Content (see table)	<10 or <10% moisture cover (see table)	<10 1	10-40 2	40-60 3	60-100 4
8. Fuel and Fuel Moisture Content (see table)	1-1 or <20% moisture cover (see table)	1-1 1	1-1 1	1-1 1	<1 1
9. Fuel and Fuel Moisture Content (see table)	1-20 2	20-40 3	40-60 4	60-80 5	80-100 6
10. Fuel and Fuel Moisture Content (see table)	Standing Dead and Early Green <1 or <10 stems/ha 1	Standing Dead and Early Green 2	Standing Dead and Early Green >10-30 3	Standing Dead and Early Green >30-75 4	Standing Dead and Early Green >75 5
11. Fuel and Fuel Moisture Content (see table)	1-20 2	20-40 3	40-60 4	60-80 5	80-100 6

Sub Total 14

Item	A	B	C	D	E
12. Windbreaks	All Angled 1	One, 90° W Dry Soil Wet 2	Two, 90° W Dry Soil Wet 3	Three, 90° W, 180° W, 135° W Dry Soil Wet 4	Four 5
13. Fuel and Fuel Moisture Content (see table)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 1	13, 14, 15, 16, 17, 18, 19, 20, 21, 22 2	23, 24, 25, 26, 27, 28, 29, 30, 31, 32 3	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50 4	51, 52, 53, 54, 55, 56, 57, 58, 59, 60 5

Sub Total 15

Item	A	B	C	D	E
14. Aspect (see table)	North 1	East 2	East/South 3	West 4	South 5
15. Slope (see table)	<10 1	10-20 and flat slope for North slopes 2	20-44 3	45-64 4	>65 5
16. Slope	<10 1	10-20 2	Slope levels, steep low relief slope 3	Consistent slope, steep down or shallow gullies 4	Consistent slope, steep gullies 5
17. Landform/Topography (see table)	<1 to isolated flood plain 1	North and/or east aspects dominate, wildfire spread restricted to lowlands and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple topographic features, wildfire spread largely random 3	Rolling terrain, major water bodies, irregular aspect and slope changes, minor topographic features, wildfire spread 4	Continuous, consistent topography, no major water bodies, wildfire spread 5

Sub Total 18

Item	A	B	C	D	E
18. Structure Density (see table)	No Structures 1	Structure density, valley bottom 2	High structure density, steep slope 3	High structure density, >15% slope 4	Slope >15% 5
19. Structure Density (see table)	No Structures 1	Structure density, moderate 2	Structure density, high 3	Structure density, very high 4	Structure density, extreme 5
20. Structure Density (see table)	No Structures 1	Structure density, moderate 2	Structure density, high 3	Structure density, very high 4	Structure density, extreme 5

Sub Total 15

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE
TOTAL WILDFIRE THREAT SCORE 151

Wildfire Behaviour Threat Class (see applicable doc)

Low	0-40	<input type="checkbox"/>
Moderate	41-60	<input type="checkbox"/>
High	61-100	<input checked="" type="checkbox"/>
Extreme	>100	<input type="checkbox"/>

Wildland Urban Interface Threat Class (see applicable doc)

Low	0-10	<input type="checkbox"/>
Moderate	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	>31	<input type="checkbox"/>

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 75 Pictures



Picture 75-1 @ 360 degrees



Picture 75-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 76

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET In treatment Not in treatment

Map # Q76 Community Quesnel

Address B. Morrow Geographic location (street name) Ten Mile Park

Date Oct 2017 UTM Zone NS3° 21014 W 172° 26.530

Phone 0000000000 Land Ownership Private Public Other (specify)

Q76

Item	A	B	C	D	E
1. Soil Slope and Wetness Factor (0-10)	1-10 1	2-10 Dry Soil Wet 2	3-10 Dry Soil Wet 10 8 2	10-20 Dry Soil Wet 12 8 4	1-20 Dry Soil Wet 15 10 5
2. Surface Fuel Loadings (0-10)	1-20 0	20-40 2	40-60 3	60-80 4	80-100 5
3. Vegetation Type (0-10)	Wet, Herb, Irrigated Crops, Low Flammability Wood 1	Wet, Deciduous Shrub 2	Urban, Conifer Shrub 3	Shrub, Juniper 4	Openbrush, Juniper, Average Shrub, Scotch Pine 5
4. Fine Woody Debris (0-10) (0-100 lbs/ft²)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage < 10% dry 4	>25 coverage > 10% dry 5
5. Large Woody Debris (0-10) (0-100 lbs/ft²)	<1 coverage 1	1-10 coverage 2	10-25 coverage 3	>25 coverage not observed 4	>25 coverage not observed 5
6. Litter and Fine Fuel (0-10) (0-100 lbs/ft²)	1-20 1	20-40 2	40-60 3	60-80 4	80-100 5
7. Live Fuels (0-10) (0-100 lbs/ft²)	> 80 or > 60% undrained cover (0-10)	60-80 2	40-60 3	20-40 4	1-20 5
8. Live and Dead Fuel (0-10) (0-100 lbs/ft²)	0-10 or < 20% cover undrained (0-10)	1-10 1	2-10 2	10-20 3	20-30 4
9. Live and Dead Fuel (0-10) (0-100 lbs/ft²)	0-100 1	100-200 2	200-300 3	300-400 4	400-500 5
10. Live Fuel (0-10) (0-100 lbs/ft²)	Standing Fuel and Partly Dead > 1 or < 10% cover 0	Standing Fuel and Partly Dead > 2 1	Standing Fuel and Partly Dead > 3 2	Standing Fuel and Partly Dead > 4 3	Standing Fuel and Partly Dead > 5 4
11. Continuous Fuel (0-10) (0-100 lbs/ft²)	0-10 0	10-20 1	20-30 2	30-40 3	40-50 4

Sub Total 10 / 100

Item	A	B	C	D	E
12. Proportion of Fuel	All Irrigated 1	20% Dry Soil Dry Soil Wet 2	30% Dry Soil Dry Soil Wet 3	40% Dry Soil Dry Soil Wet 4	50% Dry Soil Dry Soil Wet 5
13. Potential Wildfire Exposure by Fuel Type (0-10)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 1	02, 03, 04, 05, 06, 07, 08, 09 2	03, 04, 05, 06, 07, 08, 09 3	04, 05, 06, 07, 08, 09, 10, 11 4	05, 06, 07, 08, 09, 10, 11 5

Sub Total 15 / 100

Item	A	B	C	D	E
14. Aspect (0-10) (0-10)	West 0	East 1	< 20% of aspect 2	West 3	East 4
15. Wind (0-10)	0-10 1	10-20 and near coast for North aspect 2	20-40 3	40-60 4	> 60 5
16. Wind	Flat 1	Flat 2	Sloped terrain, Westerly wind 3	Consistent slope, Westerly wind 4	Consistent slope, Westerly wind 5
17. Landscape Topography (0-10) (0-10)	< 1% to 10% slope 1	North and/or east aspect steepness, wildfire spread enhanced from South and West 2	Westward terrain, broken topography, regular aspect and slope changes, multiple wind lanes, or multiple wind directions 3	Rolling terrain, minor water barriers, irregular aspect and slope changes, minor wind lanes or wind directions 4	Continuous, increasing topography Northward or westerly aspect 5

Sub Total 19 / 100

Item	A	B	C	D	E
18. Proximity of Structures (0-10)	No Structures Within 1 km 0	Bottom of slope, within 1 km 1	Mid slope, within 1 km 2	Mid slope, within 1 km 3	Westerly slope, within 1 km 4
19. Size of Structures (0-10)	No Structures Within 1 km 0	Provisional structures, no inclusions 1	Provisional structures, with inclusions 2	Structures > 1 000 sqm/ha 3	Structures > 1 000 sqm/ha 4
20. Number of Structures (0-10)	No Structures Within 1 km 0	None > 100, 200, 300, < 200 m 1 10 20	Low > 100, 200, 300, < 200 m 1 10 20	High > 100, 200, 300, < 200 m 1 10 20	Extreme > 100, 200, 300, < 200 m 1 10 20

Sub Total 46 / 100

**Threat only if fuel not in 1-20
**Based on structural component only of Wildfire Threat
Behavior Score is > 85 for untreated properties.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 46 / 100
TOTAL WILDFIRE THREAT SCORE 149 / 200

Wildfire Behavior Threat Class (check applicable class)

Low	0-40	<input type="checkbox"/>
Medium	41-65	<input type="checkbox"/>
High	66-140	<input checked="" type="checkbox"/>
Extreme	> 140	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable class)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input type="checkbox"/>
High	21-30	<input checked="" type="checkbox"/>
Extreme	> 30	<input type="checkbox"/>

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 76 Pictures



Picture 76-1 @ 90 degrees



Picture 76-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 77

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment Not for treatment

Plot # 977 Community Quesnel
 Address 6 Morrow Geographic Location between Park - South End
 Date 8/27/17 UPLVIM N53° 05' 53" W 122° 27' 00"
 Parcel # 8 4 4 Land Ownership Private CR Other (Specify)

Factor	A	B	C	D	E
1. Soil Moisture (Water Table Depth)	1-2	3-15 Dry Soil Wet	16-18 Wet	19-26 Dry Soil Wet	27-30 Dry Soil Wet
2. Surface Fuel Load (kg/m²)	<20	20-40	40-60	60-80	>80
3. Vegetation Fuel Characteristics	Herb. Forb., Impure Grass, Low Humidity Wood	Forb. Forb.	Light, Coarse Grass	Plagues, Juniper	Logwood, Birch, Spruce, Lodgepole Pine, Spruce Fir
4. Soil Moisture (Soil Depth 1-10 cm)	<1 average	1-2 average	3-25 average	>25 average	>25 average
5. Large Woody Debris (Soil Depth 1-10 cm)	<1 average	1-2 average	3-25 average	>25 average	>25 average
6. Live and Dead Conifer Crown Cover (%)	<20	20-40	40-60	60-80	>80
7. Live and Dead Conifer Crown Cover (%)	<20 or <40% crown cover dense	20-40	40-60	60-80	>80
8. Live and Dead Conifer Crown Cover (%)	20 or <20% crown cover dense	20-40	40-60	60-80	>80
9. Live and Dead Conifer Crown Cover (%)	20 or <20% crown cover dense	20-40	40-60	60-80	>80
10. Fuel Load (kg/m²) (Soil Depth 1-10 cm)	Standing Dead and Partly Dead <1 or <20 stems/m²	Standing Dead and Partly Dead 1-25	Standing Dead and Partly Dead >25-50	Standing Dead and Partly Dead >50-75	Standing Dead and Partly Dead >75
11. Continuity of Fuel Load (Soil Depth 1-10 cm)	0-20	20-40	40-60	60-80	>80
Sub Total <u>53</u> 7000*					
12. Aspect (to 90° angle)	All exposed	SW, SE, NW	SE, SW, NW	SE, SW, NW, NE, S, E, W	SE, SW, NW
13. Aspect (to 90° angle)	SE, SW, NW, NE, S, E, W	SE, SW, NW, NE, S, E, W	SE, SW, NW, NE, S, E, W	SE, SW, NW, NE, S, E, W	SE, SW, NW, NE, S, E, W
Sub Total <u>15</u> 100					
14. Topography	North	East	<10% slope	West	South
15. Slope (%)	0	10-20 and more west for North slopes	20-40	40-54	>55
16. Slope	0	Rolling	Steep slope, more low relief areas	Concentric slope, steep down or shallow pull	Concentric slope, steep pull
17. Landscape Topography (contour to 100m)	< 1% incline level	North and/or east aspect dominates, wildfire spread restricted from South and/or West	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates in which wildfire spread is restricted	Rolling terrain, more water bodies, minimal aspect and slope changes, more uniform to which wildfire spread is	Continuous, maximum topography to maximum to which wildfire spread is
Sub Total <u>19</u> 100 1000**					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
18. Fuel Load (kg/m²) (Soil Depth 1-10 cm)	No Obstruction Values within 2 km	Bottom of slope, valley bottom	Mid slope level, steep pull, 10% slope	Mid slope continuous, >10% slope	Upper 1/3 of slope
19. Size of Obstruction	No Obstruction Values within 2 km	Presence of fuel, no obstructions	Presence of fuel, no obstructions	Presence of fuel, no obstructions	Presence of fuel, no obstructions
20. Fuel Load (kg/m²) (Soil Depth 1-10 cm)	No Obstruction Values within 2 km	>200-300-400-500	>500-700-1000-1500	>1000-2000-3000-4000	>4000-5000-6000-7000
Sub Total <u>23</u> 100					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE <u>200</u>					

Q77

Wildfire Behavior Threat Class (check applicable box)

Low	0-40	<input type="checkbox"/>
Medium	41-15	<input checked="" type="checkbox"/>
High	50-100	<input type="checkbox"/>
Extreme	>100	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	11-25	<input type="checkbox"/>
High	26-50	<input checked="" type="checkbox"/>
Extreme	>50	<input type="checkbox"/>

Leaflet: January 24, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 77 Pictures



Picture 77-1 @ 90 degrees



Picture 77-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 78 Pictures



Picture 78-1 @ 360 degrees



Picture 78-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 79

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For structures For unoccupied

Plot # Q79 Community Quesnel

Address 8500 200th Geographic Location (Street Name) Highway 97N

Date 02/26/17 GPS UTM N53° 04.044 W122° 25.986

Parcel # 1 8 4 Land Ownership Crown Private I.R. Other (specify)

Q79

Factor	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12 3	12-24 1	24-48 2	48-96 3	96-192 4
2 Surface Fuel Load (kg/m²)	<20 6	20-40 2	40-80 3	80-160 4	160-320 5
3 Vegetation Fuel Composition	Wet, Herb, Angled Crops, Low Flammability Wood 1	Herb, Deciduous Shrub 2	Urban, Garden Shrub 3	Shrub 4	Coniferous, Deciduous, Angled Shrub, Succulent Shrub 5
4 Tree Branch Density (Canopy) >= 100 (m³/ha)	<1 coverage 1	1-2 coverage 2	2-3 coverage 3	>3 coverage, < 10% drop 4	>3 coverage, > 10% drop 5
5 Tree Branch Density (Canopy) < 100 (m³/ha)	<1 coverage 1	1-2 coverage 2	2-3 coverage 3	>3 coverage, not elevated 4	>3 coverage, partially elevated 5
6 Live and Dead Fuel Load (Canopy) (kg)	<20 2	20-40 3	40-80 4	80-160 5	>160 6
7 Live Fuel Load (Canopy) (kg)	<20 or <10% understorey cover 1	20-40 2	40-80 3	80-160 4	>160 5
8 Live and Dead Fuel Load (Canopy) (kg)	0-100 1	101-200 2	201-300 3	301-400 4	>400 5
9 Live and Dead Fuel Load (Understorey) (kg)	0-100 1	101-200 2	201-300 3	301-400 4	>400 5
10 Fuel Load (kg) at structure per adjacent parcel	Standing Fuel and Fuel Load < 1 < 20 kg/m² 1	Standing Fuel and Fuel Load 1-2 20-40 kg/m² 2	Standing Fuel and Fuel Load > 2-3 40-80 kg/m² 3	Standing Fuel and Fuel Load > 3-4 80-160 kg/m² 4	Standing Fuel and Fuel Load > 4 160 kg/m² 5
11 Continuous Fuel Load (kg) within 100m	0-20 1	21-40 2	41-80 3	81-160 4	>160 5

Sub total 58 / 100*

Weather	A	B	C	D	E
12 Temperature (°C)	0-10 1	10-15 2	15-20 3	20-25 4	>25 5
13 Humidity (%)	0-40 1	41-60 2	61-80 3	81-90 4	>90 5

Sub total 15 / 20

Topography	A	B	C	D	E
14 Aspect (°/100 slope)	North 1	East 2	< 10% slope 3	West 4	South 5
15 Slope (%)	< 5 1	5-25 and near west for north slopes 2	25-40 3	40-70 4	> 70 5
16 Wind	< 5 1	5-10 2	10-20 3	20-30 4	> 30 5
17 Landform Topography (relative to Wildfire)	< 10 m isolated level 1	North and/or east aspects, Wet area, wildfire spread restricted from south and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates in wildfire spread 3	Rolling terrain, some water bodies, minimal aspect and slope changes, some microclimates in wildfire spread 4	Continuous, consistent topography, no microclimates in wildfire spread 5

Sub total 41 / 100**

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE

Structure	A	B	C	D	E
18 Proximity of Structure (Distance to Edge)	No Structures Within 1 km 1	Bottom of slope, valley bottom 2	Mid slope (isolated), steep 3	Mid slope (continuous), +70% slope 4	Upper 1/3 of slope 5
19 Wind Direction	No Structures Within 1 km 1	Proximity to Structure no structures 2	Structure interface, with structure 3	Structure > 1 structure/ha 4	Structure < 1 structure/ha 5
20 Proximity of Structure (to Edge)	No Structures Within 1 km 1	Edge >100, 200-500 < 100 m 1 10 20 2	Edge >100, 200-500 < 100 m 1 10 20 3	Full Slope >100, 200-500 < 100 m 1 10 20 4	Edge >100, 200-500 < 100 m 1 10 20 5

Sub total 21 / 100

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE
TOTAL WILDFIRE THREAT SCORE 139

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Yes M
definition

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 79 Pictures



Picture 79-1 @ 90 degrees



Picture 79-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 80

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessed Post-assessed

Plot # Q80 Community CPUCesnel

Address B. Moran Geographic Location Street Name N. 65th Mile Road

Date 9/27/17 GPS N53° 04.644' W122° 25.071'

Photos 2 Land Ownership Private U.S. Other (specify)

Factor	A	B	C	D	E
1. Soil Moisture (2000-10000 mm depth)	1-2	3-5	6-10	11-16	17-20
2. Soil Moisture (0-2000 mm depth)	<20	20-40	40-60	60-80	>80
3. Topographic Fuel Characteristics	None, North, Slope < 10%, Low可燃性燃料	North, Moderate Slope	Other, Gentle Slope	Other, Steep Slope	Topographic, Fuel Types, Moderate Slope, Steep Slope
4. Soil Moisture (2000-10000 mm depth)	<1 coverage	1-2 coverage	3-5 coverage	6-10 coverage	>10 coverage
5. Soil Moisture (0-2000 mm depth)	<1 coverage	1-2 coverage	3-5 coverage	6-10 coverage	>10 coverage
6. Soil and Fuel Characteristics (2000-10000 mm depth)	<20	20-40	40-60	60-80	>80
7. Soil and Fuel Characteristics (0-2000 mm depth)	<20 or <20% continuous crown cover	20-40	40-60	60-80	>80
8. Soil and Fuel Characteristics (2000-10000 mm depth)	1-2 or <20% crown cover	3-5	6-10	11-16	17-20
9. Soil and Fuel Characteristics (0-2000 mm depth)	1-2 or <20% crown cover	3-5	6-10	11-16	17-20
10. Fuel Characteristics (2000-10000 mm depth)	Standing Dead and Fuel Types < 1	Standing Dead and Fuel Types 1-2	Standing Dead and Fuel Types 3-5	Standing Dead and Fuel Types 6-10	Standing Dead and Fuel Types > 10
11. Fuel Characteristics (0-2000 mm depth)	0-20	20-40	40-60	60-80	>80
Sub Total <u>64</u> / 100					
12. Topography	All Aspects	One, East, West, Dry Slope	Two, East, West, Dry Slope	Three, East, West, Dry Slope	Four, East, West, Dry Slope
13. Fuel Characteristics (2000-10000 mm depth)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23	24, 25, 26, 27, 28, 29, 30, 31, 32	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	101, 102, 103, 104, 105, 106, 107, 108, 109, 110
Sub Total <u>15</u> / 100					
14. Topography	North	East	< 10% slope	West	South
15. Slope (%)	0-10	10-25 and less steep for North slopes	25-40	40-60	> 60
16. Aspect	Flat	Other	Steep slopes, more than 10% slope	Concentrated slopes, steep slopes or shallow paths	Concentrated slopes, steep paths
17. Fuel Characteristics (2000-10000 mm depth)	< 1 fuel type	North and/or east aspects, moderate, with or without crown cover	West and/or west aspects, moderate, with or without crown cover	East and/or east aspects, moderate, with or without crown cover	Concentrated, concentrated topography, for moderate to wildfire spread
Sub Total <u>19</u> / 100					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORES					
Sub Total <u>100</u> / 100					
18. Structure	No Structures	Bottom of slope, utility bottom	Mid slope, fuel load, steep slope	Mid slope, moderate, > 10% slope	Upper 1/3 of slope
19. Fuel Characteristics (2000-10000 mm depth)	No Structures	Presence interface, moderate	Presence interface, with fuel load	Interface > 1 structure	Interface < 1 structure
20. Fuel Characteristics (0-2000 mm depth)	No Structures	None	Small	Medium	Large
Sub Total <u>21</u> / 100					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 201 / 200

TOTAL WILDFIRE THREAT SCORE 200

Pre-assessed only if fuel load total < 25
Pre-assessed only if fuel load total < 25 and fuel load total < 25

Q80

Wildfire Behavior Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme > 100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-40

Extreme > 40

Last Updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 80 Pictures



Picture 80-1 @ 360 degrees



Picture 80-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 81

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Residential Industrial

Parcel: Q81 Community: Quesnel

Owner: B. Moran Geographic Location (Street Name): Ten Mile Bank

Date: Oct 26/17 UTM: N53° 04.966 W 122° 26.170

Photos: 1, 2, 4 Land Use: Forest Pasture Other (Specify):

Factor	A	B	C	D	E
1. Soil/Water Availability (See Note)	1-12	2-15 Dry Soil Wet	3-18 Dry Soil Wet	4-20 Dry Soil Wet	5-25 Dry Soil Wet
2. Surface Fuel (Continuity, etc.)	<20	20-40	40-60	60-80	80-100
3. Vegetation Fuel Load	None, Herb, Progn. Open, Low Flammability Wood	Herb, Deciduous Shrub	Conifer, Conifer Shrub	Progn. Open	Deciduous, Progn. Open, Wetland Shrub, Shrub, Grass
4. Fuel Load (Fuel Continuity, etc.)	<1 coverage	1-20 coverage	20-40 coverage	>20 coverage >10 cm dia	>20 coverage >10 cm dia
5. Fuel Moisture (Fuel Continuity, etc.)	<1 coverage	1-20 coverage	20-40 coverage	>20 coverage Fuel elevated	>20 coverage partially elevated
6. Fuel Load (Fuel Continuity, etc.)	<20	20-40	40-60	60-80	80-100
7. Fuel Load (Fuel Continuity, etc.)	>20 or >20 continuous cover crown	40-60	60-80	80-100	100-120
8. Fuel Load (Fuel Continuity, etc.)	1-10 <20% cover crown	1-5	5-10	10-20	>20
9. Fuel Load (Fuel Continuity, etc.)	1-100	100-200	200-300	300-400	>400
10. Fuel Load (Fuel Continuity, etc.)	Standing Fuel and Fuel Load > 1 or > 10% cover crown	Standing Fuel and Fuel Load 2-25	Standing Fuel and Fuel Load >25-50	Standing Fuel and Fuel Load >50-75	Standing Fuel and Fuel Load >75
11. Fuel Load (Fuel Continuity, etc.)	0-20	20-40	40-60	60-80	80-100
Sub Total					59 / 100
12. Topography	A	B	C	D	E
12. Topography	Flat	Slope	>10% slope	Steep	Very Steep
13. Topography	Flat	Slope	>10% slope	Steep	Very Steep
14. Topography	Flat	Slope	>10% slope	Steep	Very Steep
15. Topography	Flat	Slope	>10% slope	Steep	Very Steep
16. Topography	Flat	Slope	>10% slope	Steep	Very Steep
17. Topography	Flat	Slope	>10% slope	Steep	Very Steep
Sub Total					15 / 100
FUEL, WEATHER AND TOPOGRAPHY					Sub Total
					74 / 100
WILDLAND BEHAVIOUR THREAT SCORES					Sub Total
					32 / 100
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					Sub Total
					110 / 100

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 45-80

High 85-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 14-30

High 35-50

Extreme >50

Last Updated: January 14, 2017

Q81

Removed
Subtotal Adjusted

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 81 Pictures



Picture 81-1 @ 360 degrees



Picture 81-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 82

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Plot # Q82 Community Quesnel

Address 8100 Ave Geographic Location/Street Name Arden Ln

Date Oct 26/17 UPL/UTM N58° 57.368 W 123° 23.551

Plot # 4 Land Ownership Crown Private I.R. Other (specify)

Q82

Factor	A	B	C	D	E
1. Soil Lightness (Soil on lighter soil)	1-12 0	1-17 Soil Great Wet 0 2 1	1-18 Soil Great Wet 0 2 1	19-26 Soil Great Wet 0 2 4	1-28 Dry Great Wet 0 2 5
2. Under Soil Lightness (Planted)	<20 0	20-40 0	41-60 0	61-80 0	>80 0
3. Population Area Categories	High, Urban, Intense (Urban Core) 0	Medium, Suburban (Urban Edge) 0	Low, Rural (Urban Edge) 0	Program, Open 0	Scattered, Rural (Urban Edge), Scattered, Rural, Scattered, Rural 0
4. Fire Spread Index (Urban Core - 100%)	<1 coverage 0	Scattered, <10 coverage 0	10-25 coverage 0	>25 coverage 0	>25 coverage, >10 coverage 0
5. Long Spread Index (Urban Core - 100%)	<1 coverage 0	<1 coverage 0	10-25 coverage 0	>25 coverage, not elevated 0	>25 coverage, partially elevated 0
6. Urban Core Lightness (Urban Core - 100%)	<20 0	20-40 0	41-60 0	61-80 0	>80 0
7. Urban Core Lightness (Urban Core - 100%)	<40 or <40% urban core area 0	41-60 0	61-80 0	81-100 0	>100 0
8. Urban Core Lightness (Urban Core - 100%)	<40 or <40% urban core area 0	<40 0	41-60 0	61-80 0	>80 0
9. Urban Core Lightness (Urban Core - 100%)	<100 0	100-200 0	201-400 0	401-600 0	>600 0
10. Urban Core Lightness (Urban Core - 100%)	Standing Dead and Partly Dead 0	Standing Dead and Partly Dead 0	Standing Dead and Partly Dead 0	Standing Dead and Partly Dead 0	Standing Dead and Partly Dead 0
11. Urban Core Lightness (Urban Core - 100%)	0-20 0	21-40 0	41-60 0	61-80 0	>80 0

Sub Total 63

Weather	A	B	C	D	E
12. Wind Speed	All Ignited 0	Only 100-400 0	574, 575, 100 0	60, 61, 585, 1000-10, 61 0	60, 61 0
13. Relative Humidity	65, 61, 62, 58, 61, 61, 61, 61, 61, 61 0	61, 58, 61, 61, 61, 61, 61, 61 0	61, 61, 61, 61, 61, 61, 61, 61 0	61, 61, 61, 61, 61, 61, 61, 61 0	61, 61, 61, 61 0

Sub Total 18

Topography	A	B	C	D	E
14. Aspect (>10 degree)	North 0	East 0	<10% slope, all aspects 0	>10 0	South 0
15. Slope (%)	<10 0	10-20 0	20-40 0	40-54 0	>55 0
16. Slope	Flat 0	Rolling 0	Steeper terrain, moderate to steep 0	Escarpment slope, steep slope or shallow gullies 0	Escarpment slope, deep gullies 0
17. Landform Topography (Urban Core - 100%)	<1 to isolated forest 0	North and to north aspect, moderate, wildfire spread, moderate to steep 0	Mountainous terrain, broken topography, regular aspect and slope changes, moderate to steep, wildfire spread, large water bodies 0	Rolling terrain, minor water bodies, irregular aspect and slope changes, moderate to steep 0	Continuous, consistent topography, moderate to steep, wildfire spread 0

Sub Total 10

FUEL WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Structure of Urban Core (Urban Core - 100%)	No structures 0	Structure of Urban Core 0	Mid slope, moderate, moderate valley, <10% slope 0	Mid slope, moderate, >10% slope 0	Open 100% Urban 0
19. Type of Structure	No structures 0	Structure of Urban Core 0	Structure of Urban Core 0	Structure of Urban Core 0	Structure of Urban Core 0
20. Fuel Load of Urban Core (Urban Core - 100%)	No structures 0	>100, >100 m 0	>100, >100 m 0	>100, >100 m 0	>100, >100 m 0

Sub Total 70

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 70

Wildfire Behavior Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last Updated: January 24, 2017

Consolidate type

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 82 Pictures



Picture 82-1 @ 90 degrees



Picture 82-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 83

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessed Post-assessed

Proj: Q83 Community: Quesnel

Author: B. M. Brad Geographic Location (Town/Range): Dragon Lake

Date: 02/11/17 UTM N: N52° 57.353' UTM E: W 122° 23.619'

Photo: 0 4 Land Ownership: Crown Private I.R. (Other Specify)

Q83

Factor	A	B	C	D	E
1. Soil Depth and Moisture Regain Rate	1-12 3	1-15 Dry Soil Wet 3 3 1	1-18 Dry Soil Wet 3 4 2	16-20 Dry Soil Wet 12 8 4	>20 Dry Soil Wet 12 10 5
2. Under Soil Conductivity (S/m)	<10 3	20-40 2	40-60 2	60-80 4	>80 5
3. Humus and Compost	None, North, Integrated Logs, Low Humus (20%) 1	None, Softwood Sheds 2	Loam, Cedar Sheds 3	Peatbog, Cedar 4	Topsoil, Barkchips, Average Sheds, South Sheds 5
4. Fire Sheds (m ²) (Density > 1000 m ² /ha)	<1 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage 4-5 coverage 4	>25 coverage > 50 m deep 5
5. Log Sheds (m ²) (Density > 1000 m ² /ha)	<1 coverage 1	Scattered 2	10-25 coverage 3	>25 coverage not assessed 4	>25 coverage partially situated 5
6. Firewood Piles (m ²) (Density > 1000 m ² /ha)	<20 2	20-40 3	40-60 3	>60 4	>80 5
7. Log Sheds (m ²) (Density > 1000 m ² /ha)	>40 m ² > 40% continuous cover dense 4	10-40 2	40-60 2	20-40 4	>60 5
8. Firewood Piles (m ²) (Density > 1000 m ² /ha)	Less or <20% cover dense forest 1	2-10 2	2-10 2	1-10 3	<1 3
9. Log and Fuel Accumulation and Accessibility (Density > 1000 m ² /ha)	0-100 2	100-200 3	100-200 3	200-400 3	>400 3
10. Fuel Sheds (m ²) (Density > 1000 m ² /ha)	Scattered Fuel and Purdy Sheds < 1 or < 20 m ² /ha 1	Scattered Fuel and Purdy Sheds 2	Scattered Fuel and Purdy Sheds > 20 m ² 3	Scattered Fuel and Purdy Sheds > 50 m ² 4	Scattered Fuel and Purdy Sheds > 75 m ² 5
11. Continuous Fuel (m ²) (Density > 1000 m ² /ha)	0-25 1	25-40 2	40-60 3	60-80 4	>80 5

Sub Total 18 /100*

Weather	A	B	C	D	E
12. Drought Index	All Integrated 1	CRP, CR, AW Dry Soil Wet 3 3 1	CR, CR, CRP Dry Soil Wet 3 3 1	CR, CR, CRP, CRP, CR, CR, CRP, CRP Dry Soil Wet 10 10 5	CR, CR, CR, CR 11
13. Annual Wildfire Incidence by 1000 ha Area	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 1	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 2	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 3	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 4	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 5

Sub Total 18 /10

Topography	A	B	C	D	E
14. Aspect (> 10% slope)	North 1	East 2	<10% slope, all aspects 3	South 4	South 5
15. Slope (%)	<10 1	10-25 2	25-40 3	40-54 4	>55 5
16. Wind	Flat 1	Hilly 2	Steeply sloped, narrow ridges 3	Concentric slopes, steep down to shallow gulches 4	Concentric slopes, deep gulches 5
17. Landform Topography (enhanced in wildfire period)	< 1 ha isolated forest 1	North and/or east aspects dominant, wildfire spread restricted from South and/or West 2	Mountainous terrain, below topography, regular aspect and slope changes, multiple north-south to west-southwest topography 3	Rolling terrain, minor water table, minimal aspect and slope changes, steep north-south to wildfire spread 4	Continuous, concentric topography no restriction to wildfire spread 5

Sub Total 27 /100

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Density of Fuels (enhanced in wildfire period)	No Structures Below 1000 m ² /ha 1	Below 1000 m ² /ha 2	Mid slope forested, steep valley, < 10% slope 3	Mid slope continuous, > 10% slope 4	Open 1/3 of Slope 5
19. Type of Development	No Structures Below 1000 m ² /ha 1	Residence Interiors, no exterior 2	Residence Interiors, with exterior 3	Interior > 1 Structure/ha 4	Interior < 1 Structure/ha 5
20. Density of Structures (not buildings)	No Structures Below 1000 m ² /ha 1	Below > 100 200 1000 > 2000 m ² /ha 1 2 3 4	Scattered > 100 200 1000 > 2000 m ² /ha 1 2 3 4 5	Not Scattered > 100 200 1000 > 2000 m ² /ha 1 2 3 4 5	Dense > 100 200 1000 > 2000 m ² /ha 1 2 3 4 5

Let's take
Steps

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 20 /100
TOTAL WILDFIRE THREAT SCORE 200

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme > 100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-16

High 17-24

Extreme > 25

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 83 Pictures



Picture 83-1 @ 360 degrees



Picture 83-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 84

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No insurance Full insurance

Parcel: **Q84** Community: **Quesnel**
 Owner: **B. Morrow** Group name (optional): **Dragon Mt. Park**
 Date: **Nov 6/17** GPS: **N 52° 53.15' W 122° 2.49'** **1243m**
 Phone: **0** Land Ownership: Home RR Other (specify):

Q84

Factor	A	B	C	D	E
1. Soil Depth and Moisture Availability	1-2	3-4	5-10	11-20	>20
2. Surface Fuel Accumulation (in place)	<20	20-40	41-60	61-80	>80
3. Vegetation Fuel Characteristics	Wet, herb, irregular cover, low flammability index	Dry, herb, regular cover	Conifer, regular cover	Fire-prone, dense	Coniferous, evergreen, regular cover, high flammability
4. Fuel Moisture Content (in a fuel bed)	<1 coverage	Saturated, <10 coverage	10-21 coverage	>21 coverage, <10 coverage	>21 coverage, >10 coverage
5. Large Woody Debris Accumulation (in fuel bed)	<1 coverage	Saturated, <10 coverage	10-21 coverage	>21 coverage, 100-2000	>21 coverage, >2000
6. Ground Fuel Conditions (over 100)	<20	21-40	41-60	61-80	>80
7. Log Debris (over 100)	<10 or <10% combined cover class	11-20	21-40	41-60	>60
8. Ground Fuel Load (over 100)	1 or <10% under 1000	1-5	6-13	14-20	>21
9. Low Soil Depth and Moisture Availability (under 100)	1-20	21-40	41-60	61-80	>80
10. Fuel Load (in a fuel bed)	Standing fuel and fuel load < 1 or <10 over 100	Standing fuel and fuel load 1-5	Standing fuel and fuel load 6-13	Standing fuel and fuel load 14-20	Standing fuel and fuel load >21
11. Cellulose Fuel Load (over 100)	0-20	21-40	41-60	61-80	>80
Sub Total					45/100

Miscellaneous	A	B	C	D	E
12. Groundwater	40-100	101-150	151-200	201-300	>300
13. Wetland/Other Vegetation (in place)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	21, 22, 23, 24, 25, 26, 27, 28, 29, 30	31, 32, 33, 34, 35, 36, 37, 38, 39, 40	41, 42, 43, 44, 45, 46, 47, 48, 49, 50	51, 52, 53, 54, 55, 56, 57, 58, 59, 60
Sub Total					18/100

Topography	A	B	C	D	E
14. Aspect (in place)	North	East	<10% slope	West	South
15. Slope	0	10-20 and less steep for North aspect	21-40	41-50	>50
16. Wind	0	Blowing	Strong breeze, when fire is in place	Constant breeze, strong gusts	Constant breeze, very gusty
17. Landscape Topography (in place)	<1% to 10% slope	North and/or east aspects, moderate, within 100m of water	Intermediate to steep, within 100m of water, multiple occurrences in wildfire spread	Steep slopes, within 100m of water, moderate aspect and slope changes, water associated in wildfire spread	Continuous, constant topography in direction to wildfire spread
Sub Total					20/100

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Relative of Structure to Fuel	No structure, when within 1 km	Bottom of slope, when within 1 km	Mid slope, when within 1 km	Mid slope, when within 1 km	Top of slope, when within 1 km
19. Fuel Characteristics	No structure, when within 1 km	Intermediate, when within 1 km	Intermediate, when within 1 km	Intermediate, when within 1 km	Intermediate, when within 1 km
20. Relative of Structure to Fuel	No structure, when within 1 km	Same	Same	Same	Same
Sub Total					10/100

Threat only if fuel is within 100m
 Present in structure of component only of Wildfire Threat
 Enhanced score is 100 for unimproved structures

TOTAL WILDFIRE THREAT SCORE
50/100

Wildfire Behaviour Threat Class (check applicable box)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input type="checkbox"/>
High	61-100	<input checked="" type="checkbox"/>
Extreme	>100	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	11-30	<input type="checkbox"/>
High	31-50	<input checked="" type="checkbox"/>
Extreme	>50	<input type="checkbox"/>

Last Updated: January 24, 2019

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 84 Pictures



Picture 84-1 @ 180 degrees



Picture 84-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 85

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

City: Quesnel Incorporated Not Incorporated

Assessor: D. M. Brown Geographic Location: Quesnel

Date: Nov 6/17 CPUSID: NSP 53-053 Wild 2018

Project: Q 85 Land Ownership: Private Other (specify)

Factor	A	B	C	D	E
1. Soil Slope and Aspect (Open Area)	1-12 3	13-25 Dry Soil Wet 5 3 5	26-40 10 10 2	41-50 12 4 4	>50 Dry Soil Wet 10 10 5
2. Fuel Load (Estimated) (Open Area)	<20 4	20-40 2	41-60 3	61-80 4	>80 5
3. Vegetation (For Open Area)	Woods, Parks, Irrigated Crops, Low Flammability Shrub 1	Open Area 2	Urban, Center Streets 3	Highways, Airports 4	Openland, Barrenland, Average Shrub, Forest Shrub 5
4. Fire Weather Index (Open Area)	<1 coverage 1	1-10 2	10-25 coverage 3	>25 coverage < 10 on days 4	>25 coverage > 10 on days 5
5. Large Woody Debris (Open Area)	<1 coverage 1	1-10 2	10-25 coverage 3	>25 coverage not assessed 4	>25 coverage partially assessed 5
6. Fire Weather Index (Urban Area)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7. Fuel Load (Urban Area)	<10% or <10% coverage 1	11-30 2	31-50 3	51-70 4	>70 5
8. Urban Sprinkler/Alarm Coverage (Urban Area)	3+ in <20% coverage 1	3-5 2	6-10 3	11-12 4	>12 5
9. Fire Weather Index (Urban Area)	1-10 1	11-20 2	21-30 3	31-40 4	>40 5
10. Fuel Load (Urban Area)	Standing Fuel and Fuel Load < 1 1	Standing Fuel and Fuel Load 1-2 2	Standing Fuel and Fuel Load 3-10 3	Standing Fuel and Fuel Load 11-25 4	Standing Fuel and Fuel Load > 25 5
11. Condition of Home (Urban Area)	1-20 1	21-40 2	41-60 3	61-80 4	>80 5
Sub Total 61					
12. Regional Fire	All Irrigated 1	CRS, CR, RR Dry Soil Wet 2 1 1	CR, RR, CR Dry Soil Wet 3 2 2	CR, RR, CR, CR, CR Dry Soil Wet 4 1 1 1	CR, RR 5
13. Historical Fire (Urban Area)	10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21 1	11, 14, 15, 16, 17, 18, 19, 20, 21 2	12, 13, 14, 15, 16, 17, 18, 19, 20, 21 3	11, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 4	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 5
Sub Total 15					
14. Aspect (Urban Area)	North 1	East 2	<10% slope, all aspects 3	10-20 4	South 5
15. Slope (Urban Area)	<1% 1	1% - 2% 2	2% - 4% 3	4% - 10% 4	>10% 5
16. Slope (Urban Area)	Flat 1	Rolling 2	Segmented, near low relief 3	Concentric, steep slope 4	Concentric, steep gullies 5
17. Landform (Urban Area)	< 5% the national forest 1	North and/or east aspects dominates, wildfire spread restricted from South and West 2	West-southwest, better topographic control, aspect and slope changes, multiple microclimates in wildfire spread large water bodies 3	Rolling terrain, water bodies, irregular aspect and slope changes, more exposure to wildfire spread 4	Concentric, consistent topography, no microclimates, wildfire spread 5
Sub Total 24					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE HAZARD RISK SCORE					
18. Fuel Load (Urban Area)	No Structures Within 2 km 1	Bottom of slope, valley bottom 2	Mid-slope (steep), elevated valley, <10% slope 3	Mid-slope (shallow), >10% slope 4	Open 5
19. Topography (Urban Area)	No Structures Within 2 km 1	Bottom of slope, no structures 2	Bottom of slope, with structures 3	Interior > 1 Structure 4	Interior > 1 Structure 5
20. Fuel Load (Urban Area)	No Structures Within 2 km 1	None >100,000 - 200 m 2	Scattered >100,000 - 200 m 3	Scattered >100,000 - 200 m 4	Scattered >100,000 - 200 m 5
Sub Total 23					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE					

Q85

Wildfire Behavior Threat Class (Urban Interface)

Low 1-10

Medium 11-20

High 21-30

Extreme >30

Wildland-Urban Interface Threat Class (Urban Interface)

Low 1-10

Medium 11-20

High 21-30

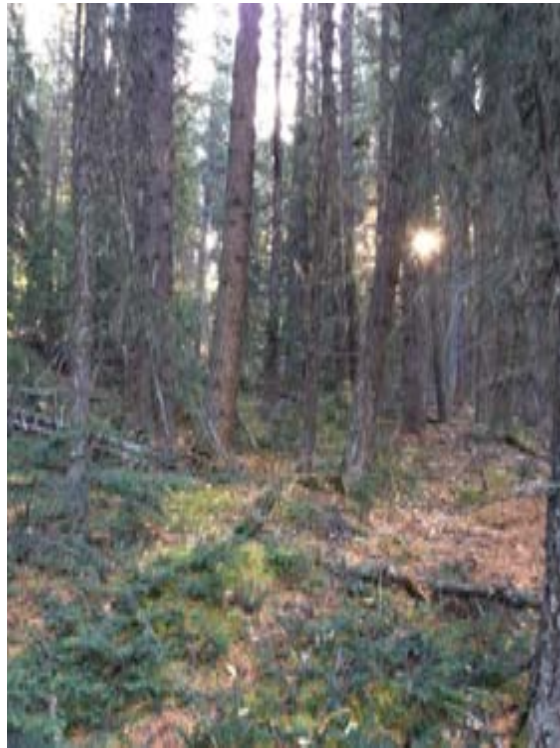
Extreme >30

last updated January 04, 2011

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 85 Pictures



Picture 85-1 @ 360 degrees



Picture 85-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 86

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For treatment For assessment

Part # Q86 Community Quesnel

Assessor B. M. Manna Geographic Location (Town Name) Oregon Mt. Park

Date Nov 6/17 UTM Zone NS12 52.50d 611220N 440m

Phone 0000000000 Land Ownership Private Public Other (Specify)

Q86

Parameter	A	B	C	D	E
1. Soil Moisture (Average Depth 1m)	1-10	10-20	20-30	30-40	40-50
2. Surface Fuel Load (t/ha)	<10	10-20	20-40	40-80	>80
3. Fuels (Fuel Type)	Non-flammable, low flammability fuels	Flammable, low flammability fuels	Flammable, medium flammability fuels	Flammable, high flammability fuels	Highly flammable, high flammability fuels
4. Tree Branch Density (t/ha)	<1 coverage	1-10 coverage	10-20 coverage	>20 coverage	>30 coverage
5. Large Branch Density (t/ha)	<1 coverage	1-10 coverage	10-20 coverage	>20 coverage	>30 coverage
6. Tree Stem Density (t/ha)	<10	10-20	20-40	40-80	>80
7. Tree Stem Density (t/ha)	<10 or <10% canopy cover	10-20	20-40	40-80	>80
8. Tree Stem Density (t/ha)	<10 or <10% canopy cover	10-20	20-40	40-80	>80
9. Tree Stem Density (t/ha)	<10 or <10% canopy cover	10-20	20-40	40-80	>80
10. Tree Stem Density (t/ha)	<10 or <10% canopy cover	10-20	20-40	40-80	>80
11. Tree Stem Density (t/ha)	<10 or <10% canopy cover	10-20	20-40	40-80	>80
Sub Total					<u>51</u> / 117

Parameter	A	B	C	D	E
12. Aspect (°)	North	East	<10% slope	10-20	South
13. Slope (%)	<10	10-20	20-40	40-60	>60
14. Slope (%)	East	West	North	South	East
15. Aspect (°)	North	East	<10% slope	10-20	South
Sub Total					<u>15</u> / 18

Parameter	A	B	C	D	E
16. Aspect (°)	North	East	<10% slope	10-20	South
17. Slope (%)	<10	10-20	20-40	40-60	>60
18. Slope (%)	East	West	North	South	East
19. Aspect (°)	North	East	<10% slope	10-20	South
Sub Total					<u>30</u> / 140

Parameter	A	B	C	D	E
20. Aspect (°)	North	East	<10% slope	10-20	South
21. Slope (%)	<10	10-20	20-40	40-60	>60
22. Slope (%)	East	West	North	South	East
23. Aspect (°)	North	East	<10% slope	10-20	South
Sub Total					<u>48</u> / 140

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE 114 / 201

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last Updated: January 14, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 86 Pictures



Picture 86-1 @ 90 degrees



Picture 86-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 87

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # Q87 Community: Quesnel No structure No structure

Address: B. Morrow Geographic Location/Street Name: Kingsley Siding Concrete

Date: NOV 2017 GPS UTM: NS2 50.907 W12 76.760 597m

Photo: Q87 Land Use: R Cover Tree U.S. (Designation)

Fuel	LEVEL				
	A	B	C	D	E
1 Fuel Depth and Moisture Regime (m)	1-12 2	12-17 2	17-21 2	21-25 2	>25 2
2 Surface Fuel Continuity (% cover)	<10 2	10-40 2	41-60 2	61-80 2	>80 2
3 Reproductive Fuel Characteristics	Wet, herb, Impaired Crown, Low Flammability Wood 1	Wet, Deciduous 2	Wet, Conifer, Decid 3	Wet, Conifer 4	Wet, Conifer, Deciduous, South Slope 5
4 Live Woody Debris Continuity (% Fuel (% cover))	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage 4	>20 coverage 5
5 Large Woody Debris Continuity (% Fuel (% cover))	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage 4	>20 coverage 5
6 Live and Dead Lignified Crown (Class %)	<10 2	10-40 2	41-60 2	61-80 2	>80 2
7 Live Deadwood Crown (Class %)	>80 or >10% 1	61-80 2	41-60 3	20-40 4	<20 5
8 Live and Dead Lignified Crown (Class %)	10 or >10% 1	10-20 2	2-10 3	1-10 4	<1 5
9 Live and Dead Lignified Crown (Class %)	0-100 1	100-100 2	100-100 3	100-100 4	100-100 5
10 Crown Health (% of Assessment and Assessment Status)	Stand in Good and Healthy 1	Stand in Good and Healthy 2	Stand in Good and Healthy 3	Stand in Good and Healthy 4	Stand in Good and Healthy 5
11 Continuity of Live Crown within 10m (%)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather	A	B	C	D	E
12 Relative Humidity	41-100 1	100-100 2	100-100 3	100-100 4	100-100 5
13 Humidity Deficit (mm)	01, 01, 01, 01, 01, 01 1	01, 01, 01, 01, 01, 01 2	01, 01, 01, 01, 01, 01 3	01, 01, 01, 01, 01, 01 4	01, 01, 01, 01, 01, 01 5

Topography	A	B	C	D	E
14 Aspect (% of 100 aspect)	North 1	East 2	<10% 3	West 4	South 5
15 Slope (%)	<10 1	10-20 and less than 10 2	21-40 3	40-54 4	>55 5
16 Slope	Flat 1	10-20 2	20-40 3	40-60 4	>60 5
17 Landscape Topography (Classifications in Wildfire Spread)	<1% 1	North and/or east aspect 2	West aspect, broken topography, regular aspect and slope changes 3	East aspect, broken topography, regular aspect and slope changes 4	Complex, irregular topography 5

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18 Number of Structures/Community on Slope	No Structures 1	1-10 2	11-20 3	21-30 4	>30 5
19 Type of Development	No Structures 1	Residential 2	Residential 3	Residential 4	Residential 5
20 Number of Assessment Area Relative to Slope	No Structures 1	1-10 2	11-20 3	21-30 4	>30 5

Wildfire Behavior Threat Class (check appropriate fuel)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Wildland Urban Interface Threat Class (check appropriate fuel)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 87 Pictures



Picture 87-1 @ 360 degrees



Picture 87-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 88

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

File #: Q38 Community: Quesnel

Address: 3100 NW 617 Geographic Location: Quesnel Suburbs Trails

Lot #: 004 GPS/UTM: N52 50.752 W122 25.85

Photos: 0 0 4 Land Ownership: X Home: Other: Other:

Q38

Parameter	A	B	C	D	E
1. Fuel (High/Low)	1-2	3-4	5-6	7-8	9-10
2. Slope (High/Low)	<10	10-40	40-60	60-80	>80
3. Vegetation (High/Low)	None	Grass	Shrub	Forest	Highly flammable
4. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
5. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
6. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
7. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
8. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
9. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
10. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
11. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
Sub Total					43

Parameter	A	B	C	D	E
12. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
13. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
Sub Total					15

Parameter	A	B	C	D	E
14. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
15. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
16. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
17. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
Sub Total					19

Parameter	A	B	C	D	E
18. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
19. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
20. Fire Spread (High/Low)	<1	1-5	5-10	10-20	>20
Sub Total					39

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE: 115

Wildfire Behaviour Threat Class (check applicable)

Low 0-40

Medium 41-80

High 81-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable)

Low 0-10

Medium 11-20

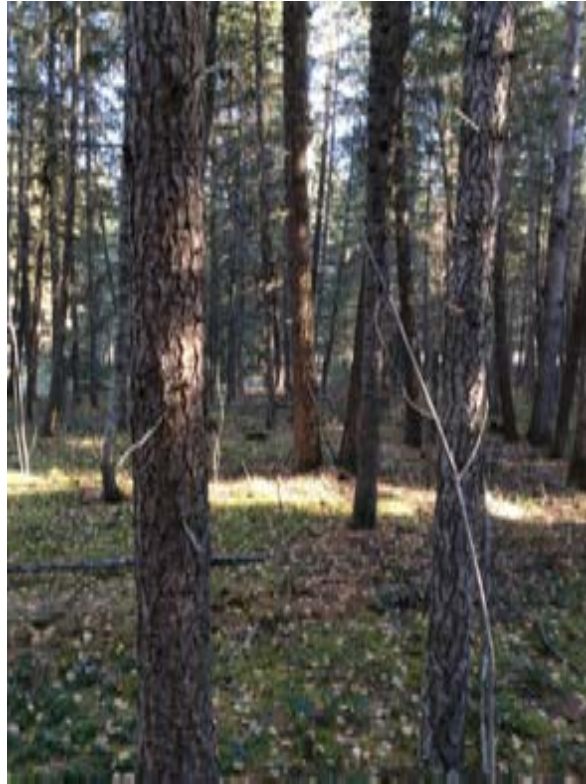
High 21-30

Extreme >30

last updated: January 04, 2013

Treated?

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 88 Pictures



Picture 88-1 @ 90 degrees



Picture 88-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 89

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # 089 Community Quesnel

Location Brimmar Geographic Location/Street Name Kardou - Sisters Creek

Date Nov 17 UTM Zone N52 50 705 W12 8 50

Plot # 8 Land Ownership Crown Private LR (Specify)

089

Item	A	B	C	D	E
1 Fuel Type and Wetness (1-5) (see table)	1-2 2	3 3	4-5 Dry Deciduous 10 9 2	6-8 Dry Deciduous 12 8 4	9-10 Dry Deciduous 15 10 1
2 Fuelbed Fuel Community (1-5)	<10 2	20-40 2	40-60 2	60-80 4	80-100 5
3 Fuelbed Fuel Composition	Herb, Grass, Sedge/Orch, Low Flammability Herb 1	Shrub, Deciduous 2	Conifer, Conifer Deciduous 3	Fireweed, Juniper 4	Softwood, Hardwood, Juniper, Shrub, Grass 5
4 Fuel Bed Size (1-5) (see table)	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage > 50 m deep 4	>20 coverage > 10 m deep 5
5 Large Woody Debris (1-5) (see table)	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage not stacked 4	>20 coverage partially stacked 5
6 Live and Dead Fuel Load (see table)	<20 1	20-40 2	40-60 3	60-80 4	80-100 5
7 Live Fuel Load (see table)	<80 or <10% condition cover class 1	80-90 2	90-95 3	95-100 4	>100 5
8 Unburned Fuel Load (see table)	10 or <10% condition cover class 1	10-20 2	20-30 3	30-40 4	>40 5
9 Unburned Fuel Load (see table)	0-200 1	200-400 2	400-600 3	600-800 4	>800 5
10 Slope (see table)	Standing fuel and Fuel Load < 1 0-10% 1	Standing fuel and Fuel Load 1-2 10-20% 2	Standing fuel and Fuel Load 2-3 20-30% 3	Standing fuel and Fuel Load >3-7 30-70% 4	Standing fuel and Fuel Load >7 70-100% 5
11 Landscape (see table)	0-20 1	20-40 2	40-60 3	60-80 4	80-100 5

Sub Total 59 / 100

Wildfire	A	B	C	D	E
12 Unburned Fuel	0-100 1	100-200 2	200-300 3	300-400 4	>400 5
13 Fuelbed Fuel	0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80, 80-90, 90-100 1	10-20, 20-30, 30-40, 40-50, 50-60 2	20-30, 30-40, 40-50, 50-60 3	30-40, 40-50, 50-60, 60-70, 70-80, 80-90, 90-100 4	40-50, 50-60, 60-70, 70-80, 80-90, 90-100 5

Sub Total 15 / 100

Topography	A	B	C	D	E
14 Aspect (1-5) (see table)	North 0	East 1	>10% slope 2	West 3	South 4
15 Slope (%)	0-10 1	10-20 2	20-40 3	40-54 4	>50 5
16 Wind	0 1	1 2	2 3	3 4	4 5
17 Landscape Topography (see table)	< 10% fuel load 1	North and/or east aspects, moderate, within 100m, moderate fuel load 2	Randomness, terrain, within topography, regular aspect and slope changes, multiple vegetation in wildland 3	Rolling terrain, minor water bodies, occasional aspect and slope changes, minor vegetation in wildland 4	Continuous, consistent topography, no vegetation in wildland 5

Sub Total 27 / 100

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOUR THREAT SCORE

Behavioural	A	B	C	D	E
18 Moisture of Fuels (see table)	No structure taken within 2 km 0	Structure taken, dry 1	Mid slope forestland, elevated valley, < 10% slope 2	Mid slope coniferous, > 10% slope 3	Slope 1/3 of slope 4
19 Fuel Composition	No structure taken within 2 km 0	Resinous interface, no inclusions 1	Resinous interface, with inclusions 2	Resinous interface 3	Inclusion of inclusions 4
20 Moisture of Fuels (see table)	No structure taken within 2 km 0	Open 1	Scrub 2	Rolling 3	Rolling 4

Sub Total 16 / 100

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE 116 / 200

Wildfire Behaviour Threat Class (check applicable box)

Low	0-40	<input type="checkbox"/>
Medium	41-60	<input checked="" type="checkbox"/>
High	61-80	<input type="checkbox"/>
Extreme	>80	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check applicable box)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input checked="" type="checkbox"/>
High	21-30	<input type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 89 Pictures



Picture 89-1 @ 360 degrees



Picture 89-1 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 90

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # Q90 Community Quesnel

Address B. Malson Geographic Location/Street Name French Road South of Hwy. 16

Date Nov 11 GPS/Map NSD 51-24 W 22 19.118

Phone 8 4 Land Ownership Home Public Other (specify)

Q90

Parameter	A	B	C	D	E
1. Soil Moisture (Relative to Avg)	1-2	3-4	5-6	7-8	9-10
2. Slope and Aspect (Degrees)	<10	10-45	45-90	90-135	>135
3. Fuel Load (kg/ha)	Low	Medium	High	Very High	Extreme
4. Fuel Moisture (kg/ha)	<1000	1000-2000	2000-3000	3000-4000	>4000
5. Fuel Type (kg/ha)	Low	Medium	High	Very High	Extreme
6. Fuel Size (kg/ha)	<100	100-200	200-300	300-400	>400
7. Fuel Distribution (kg/ha)	Low	Medium	High	Very High	Extreme
8. Fuel Condition (kg/ha)	Low	Medium	High	Very High	Extreme
9. Fuel Type (kg/ha)	Low	Medium	High	Very High	Extreme
10. Fuel Size (kg/ha)	Low	Medium	High	Very High	Extreme
11. Fuel Distribution (kg/ha)	Low	Medium	High	Very High	Extreme
12. Fuel Condition (kg/ha)	Low	Medium	High	Very High	Extreme

Sub Total 62

Parameter	A	B	C	D	E
13. Aspect (Degrees)	North	East	SE	SW	South
14. Aspect (Degrees)	North	East	SE	SW	South

Sub Total 15

Parameter	A	B	C	D	E
15. Aspect (Degrees)	North	East	SE	SW	South
16. Aspect (Degrees)	North	East	SE	SW	South
17. Aspect (Degrees)	North	East	SE	SW	South

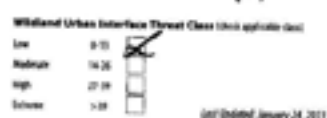
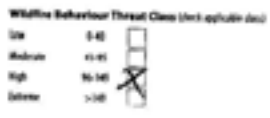
Sub Total 24

Sub Total 101

Parameter	A	B	C	D	E
18. Aspect (Degrees)	North	East	SE	SW	South
19. Aspect (Degrees)	North	East	SE	SW	South
20. Aspect (Degrees)	North	East	SE	SW	South

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 101

TOTAL WILDFIRE THREAT SCORE 161



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 90 Pictures



Picture 90-1 @ 90 degrees



Picture 90-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 91

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For assessment For treatment

Site # 091 Community Quesnel
 Address Brimacombe Geographic Location/Street Name French Road
 Date Nov 6/17 GPS/UTM NS2 51.107 W124 19.124
 Photo 0 1 4 Land Ownership Crown Private Other (specify)

091

Factor	A	B	C	D	E
1. Fuel Type and Amount (dry leaf)	1-10	10-20	20-40	40-60	60-100
2. Fuel Moisture (M index)	<20	20-40	40-60	60-80	80-100
3. Topography (see description)	North, North, Sloped (steep, low flammability South)	North, Sloped (steep)	Level, Gentle Slopes	South	Southwest, Southwest, Steep Slope, South Slope
4. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
5. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
6. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
7. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
8. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
9. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
10. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
11. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
Sub Total 109					

Weather	A	B	C	D	E
12. Wind Speed	0-10	10-20	20-30	30-40	>40
13. Humidity	<40%	40-60%	60-80%	80-90%	>90%
Sub Total 15					

Topography	A	B	C	D	E
14. Aspect	North	East	<10% slope	West	South
15. Slope	<10%	10-20%	20-40%	40-60%	>60%
16. Wind	East	West	Southwest	Northwest	Southwest
17. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
Sub Total 109					

FUEL WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Fuel Type and Amount	1-10	10-20	20-40	40-60	60-100
19. Fuel Moisture	<20	20-40	40-60	60-80	80-100
20. Topography	North	East	<10% slope	West	South
21. Slope	<10%	10-20%	20-40%	40-60%	>60%
22. Wind	East	West	Southwest	Northwest	Southwest
23. Fuel Load (dry leaf litter in 100m ²)	<1000	1000-2000	2000-3000	3000-4000	>4000
Sub Total 109					

Wildland Urban Interface Wildfire Threat Score: **109**

Wildfire Behavior Threat Class (check applicable box)

Low 0-40
 Moderate 41-60
 High 61-80
 Extreme >80

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Last updated: January 24, 2013

P1 Photo

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 91 Pictures



Picture 91-1 @ 360 degrees



Picture 91-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 92

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q92 Community: Quesnel Fire treatment Post-treatment

Address: 13117 Misrows Geographic Location/Street Name: French Road/Kendry

Date: NOV 17 GPS/UTM: NSD 50, 141 W 120 19, 150

Proton: Q 92 Land Ownership: Owner Private L.A. Other (specify):

Q92

Fuel	LUPRA				
	A	B	C	D	E
1 Soil Depth and Maximum Rooting (cm)	1-2	3-5	6-10	10-20	>20
2 Surface Fuel Continuity (M.u.m)	<20	20-40	41-60	61-80	>80
3 Vegetation Fuel Composition	Woody, Herb, Invertebrate, Live Fuel, High Moist	Herb, Deciduous Shrub	Conifer, Conifer Shrub	Prunus, Juniper	Sagebrush, Birch/Poplar, Redwing Black, Conifer Shrub
4 Fine Woody Debris Continuity (1-7m) (M.u.m)	<1 coverage	Scattered, <10 coverage	10-25 coverage	>25 coverage, <10 cm deep	>25 coverage, >10 cm deep
5 Large Woody Debris Continuity (1-7m) (M.u.m)	<1 coverage	Scattered, <10 coverage	10-25 coverage	>25 coverage, not stacked	>25 coverage, stacked
6 Unrooted Dead Ladder Green Stems (%)	<20	20-40	41-60	61-80	>80
7 Unrooted Dead Ladder Green Stems (%)	>80 or >10% unrooted ladder stems	61-80	41-60	20-40	<20
8 Unrooted Dead Ladder Green Stem Height (m)	3+ or >20% unrooted ladder stems	3-5	6-10	11-15	>15
9 Unrooted Dead Ladder Green Stem Diameter (cm) (10cm dia)	>400	201-399	101-200	51-100	>100
10 Root Health (% of unrooted and/or unrooted stems)	Standing dead and partly dead <1 or <20 stems/ha	Standing dead and partly dead	Standing dead and partly dead >20-50	Standing dead and partly dead >50-75	Standing dead and partly dead >75
11 Continuous Unrooted Dead within 10m (m)	0-20	21-40	41-60	61-80	>80
Sub Total 10					

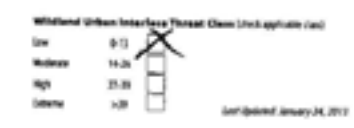
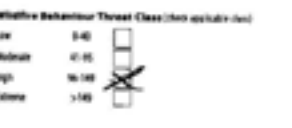
Weather	Sub Total 10				
	A	B	C	D	E
12 Regional Wind Zone	W, or quiet	CNW, CN, SW, Dry Zone West	EW, SE, ESE, Dry Zone West	CF, NE, NW, SW, NW, SE, SE, Dry Zone West	E, SE
13 Historical Wildfire Occurrence (by 100M Area Zone)	63, 67, 62, 58, 52, 56, 55, 53, 54, 57	62, 58, 55, 56, 56, 51, 53, 58	57, 54, 54, 57, 54	67, 65, 62, 52, 53, 60, 64, 64, 67, 62	67, 64, 62, 67
Sub Total 15					

Topography	Sub Total 15				
	A	B	C	D	E
14 Aspect (1-170 degree)	North	East	<10% unrooted aspects	West	South
15 Slope (%)	<10	10-29 and near slope for north aspect	30-49	50-59	>60
16 Trends	Flat	Level	Topped terrain, minor low relief drain	Concave slope, deep drain or shallow gully	Convex slope, deep gully
17 Landscape Topographic Continuity to Wildfire Spread	<1 ha isolated forest	North and/or east aspects dominant, wildfire spread west (not from South) and/or West	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates, wildfire spread, large water bodies	Rolling terrain, minor water features, minimal aspect and slope changes, minor microclimates, wildfire spread	Continuous, consistent topography, no windbreak or wildfire spread
Sub Total 20					

FUEL WEATHER AND TOPOGRAPHY	WILDFIRE RISK/THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure	Bottom of slope, w/ dry bottom	Mid slope/shoulder, elevated safety, <10% slope	Mid slope with house, >10% slope	Slope 10% of Slope
19 Type of Development	No Structure	Residential interface, no inclusions	Residential interface, w/ inclusions	Industry >1 structure/ha	Industry >1 structure/ha
20 Position of Structure and Structure Height	No Structure	Below +100 200-150 +200 m	Level +100 200-150 +200 m	Flat/rolling +100 200-150 +200 m	Below +100 200-150 +200 m
Sub Total 20					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: **0/20**

TOTAL WILDFIRE THREAT SCORE: **16/20**



Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 92 Pictures



Picture 92-1 @ 360 degrees



Picture 92-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 93

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Plot # Q93 Community Quesnel

Address B. Morand Geographic location (Street Name) Hill Lake Rd

Date Nov 6/17 GPS/Other NSD 47.811 W 122.1963

Phone 0 0 14 Land Ownership Crown Private I.R. Other (Specify)

Q93

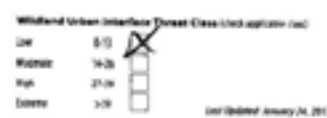
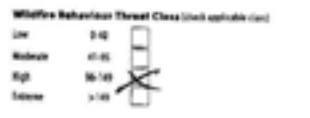
Fuel	WEATHER				
	A	B	C	D	E
1 Soft Dead and Wetland Vegetation (%)	1-10	10-20	20-30	30-40	40-50
2 Surface Fuel Continuity (20 units)	<10	10-20	20-30	30-40	40-50
3 Vegetation Fuel Composition	Woods, shrubs, frequent Crown, Low Fuel continuity Weeks	Woods, Deciduous Shrubs	Woods, Conifer Shrubs	Woods, Conifer Shrubs	Woods, Conifer Shrubs
4 Fine Woody Debris Continuity (>100) (%) cover	<1 coverage	1-10 coverage	10-25 coverage	25-50 coverage	>50 coverage
5 Large Woody Debris Continuity (>100) (%) cover	<1 coverage	1-10 coverage	10-25 coverage	25-50 coverage	>50 coverage
6 Live and Dead Coniferous Crown Closure (%)	<10	10-20	20-30	30-40	40-50
7 Live and Dead Deciduous Crown Closure (%)	<10 or <10% continuous crown closure	10-20	20-30	30-40	40-50
8 Live and Dead Coniferous Crown Closure (%)	3+ or <20% continuous crown closure	3-10	10-20	20-30	30-40
9 Live and Dead Deciduous and Coniferous Crown Closure (%)	3+ or <20% continuous crown closure	100-2000	100-2000	2000-4000	>4000
10 Dead Stems (% of stemwood and/or stemwood stems)	Standing Dead and Partly Dead <1 or <10% stemwood	Standing Dead and Partly Dead 1-10	Standing Dead and Partly Dead >10-20	Standing Dead and Partly Dead >20-30	Standing Dead and Partly Dead >30
11 Continuous Forest Dead Cover within 100m (%)	0-20	20-40	40-60	60-80	80-100

Weather	Sub Total				
	A	B	C	D	E
12 Relative Humidity	40-60	60-70	70-80	80-90	90-100
13 Wind Speed (km/h)	0-10	10-20	20-30	30-40	40-50

Topography	Sub Total				
	A	B	C	D	E
14 Aspect (>10% slope)	North	East	>10% slope of aspects	West	South
15 Slope (%)	<10	10-20	20-30	30-40	>40
16 Slope	Flat	Rolling	Steep terrain, moderate vegetation	Extensive slope, steep terrain or shallow gullies	Concentrated slope, steep gullies
17 Landscape Topography (Continuity in wildfire spread)	<1 to isolated forest	North and/or east aspects dominate, wildfire spread restricted from South and/or West	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates to wildfire spread, large water bodies	Rolling terrain, major water bodies, irregular aspect and slope changes, minor microclimates to wildfire spread	Continuous, consistent topography, no restriction to wildfire spread

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
18 Position of Structure/Continuity on Slope	No Structure	Bottom of slope, safety berm	Mid slope (steep/level, eroded valley, <10% slope)	Mid slope (continuous, >10% slope)	Open E of Slope
19 Type of Development	No Structures	Perimeter structures, no inclusions	Perimeter structures, with inclusions	Interior > 1 structure/ha	Interior < 1 structure/ha
20 Position of Assessment Area Relative to Urban	No Structures	Above	Level	Flat/rolling	Below

Final Wildfire Threat Score: 106



Motewald

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 93 Pictures



Picture 93-1 @ 360 degrees



Picture 93-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 94

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-treatment Post-treatment

Plot # 094 Community Quesnel

Assessor P. Morrison Geographic Location/Street Name Hydraulic Rd

Date Nov 6/17 UTM Zone NSD 55, 297, UTM 21-751

Parcel # 0 Land Ownership R Private Other (specify)

094

Fuel	LEVELS				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (LH)	1-12 2	13-24 1	25-36 2	37-48 3	49-60 4
2 Surface Fuel Continuity (H-Low)	<10 2	10-20 2	21-30 3	31-40 4	41-50 5
3 Vegetation Fuel Characteristics	Wet, Herb, Intermittent, Low Fuel Moisture	Shrub, Grass	Grass, Grass Shrub	Forage, Shrub	Shrub, Forage, Shrub, Shrub
4 Fine Woody Debris Continuity (>1/4" (H-Low))	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage 4	>25 coverage 5
5 Large Woody Debris Continuity (>1/4" (H-Low))	<1 coverage 1	1-10 coverage 2	10-20 coverage 3	>20 coverage 4	>25 coverage 5
6 Live and Dead Canopies Cover (Cover %)	<20 1	20-40 2	41-60 3	61-80 4	>80 5
7 Live and Dead Canopies Cover (Cover %)	<10% 1	10-20% 2	21-40% 3	41-60% 4	>60% 5
8 Live and Dead Canopies Cover (Cover %)	1-10 1	11-20 2	21-30 3	31-40 4	41-50 5
9 Live and Dead Canopies Cover (Cover %)	1-100 1	101-200 2	201-300 3	301-400 4	401-500 5
10 Aerial Fuels (% of ground and 10m diameter)	Standing dead and partly down < 10m 1	Standing dead and partly down 10-20 2	Standing dead and partly down 21-30 3	Standing dead and partly down 31-40 4	Standing dead and partly down > 40 5
11 Continuity of Fuel Cover within 10m (H)	0-20 1	21-40 2	41-60 3	61-80 4	>80 5

Weather	A	B	C	D	E
12 Regional Wind Direction (H-Low)	47, 100 1	101, 102, 103 2	104, 105, 106 3	107, 108, 109, 110 4	111, 112, 113 5
13 Regional Wind Direction (H-Low)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 1	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 2	23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42 3	43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 4	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120 5

Topography	A	B	C	D	E
14 Aspect (>10% slope)	North 1	East 2	<10% slope, 2 aspects 3	West 4	South 5
15 Slope (%)	0 1	10-20 and max slope for North aspect 2	21-40 3	41-60 4	>60 5
16 Slope	Flat 1	Rolling 2	Steep slopes, 10% or greater 3	Consistent slope, steepness or shallow gullies 4	Consistent slope, deep gullies 5
17 Landcover (Topographic Continuity to wildfire hazard)	< 10% forested land 1	North and/or east aspects, consistent, within 100m, indicated from South and/or West 2	West and/or south aspects, consistent, within 100m, indicated from South and/or West 3	Rolling terrain, other water bodies, minimal aspect and slope changes, minor restrictions to wildfire spread 4	Continuous, consistent topographic, minimal restrictions to wildfire spread 5

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE READINESS THREAT SCORE				
Structural	A	B	C	D	E
18 Proximity of Structure/Community to Edge	No Structure 1	Edge of structure 2	Mid-slope brushland, 100m-200m 3	Mid-slope brushland, > 200m 4	Open 10% slope 5
19 Type of Development	No Structure 1	Residential, no structures 2	Residential, with structures 3	Industrial 4	Commercial 5
20 Proximity of Structure Area to Edge	No Structure 1	Along 2	Scattered 3	Partially 4	Open 5

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 200

WILDFIRE READINESS THREAT SCORE 200

TOTAL WILDFIRE THREAT SCORE 400

Wildfire Behavior Threat Class (if applicable) High

Wildland Urban Interface Threat Class (if applicable) High

Jan Updated January 14, 2017

Mix 100% ASP

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 94 Pictures



Picture 94-1 @ 360 degrees



Picture 94-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 95

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

Plot: Q95 Community: Quesnel

Owner: B. Morgan Geographic Location/Street Name: Hydraulic Rd

Date: Nov 6/17 GPS/UTM: N52547646 W122 21437

Parcel: 0 0 4 Land Ownership: Owners Private I.R. Other (specify):

Factor	UPPER				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (in)	1-12 1	2-12 Dry Soil Wet 2	3-12 Dry Soil Wet 3	16-20 Dry Soil Wet 4	>20 Dry Soil Wet 5
2 Surface Fuel Continuity (ft cover)	<20 0	25-42 2	45-60 3	65-80 4	>80 5
3 Vegetation Fuel Composition	Wet. Herb. Invasive Grass, Low Flammability Wood 1	20% 2	Lichen, Grassy Shrub 3	Shrub, Juniper 4	Supersoil, Fuel-Rich, Invasive Shrub, Shrub-Grass 5
4 Fine Woody Debris Continuity (>1/4") (ft cover)	<1 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage < 10 on slope 4	>25 coverage > 10 on slope 5
5 Large Woody Debris Continuity (>1/4") (ft cover)	<1 coverage 1	Scattered <10 coverage 2	10-25 coverage 3	>25 coverage not stacked 4	>25 coverage partially stacked 5
6 Live and Dead Canopies Crown Closure (%)	<20 1	20-40 2	45-60 3	65-80 4	>80 5
7 Live and Dead Canopies Crown Closure (%)	>80 or >40% crown closure crown 0	45-60 1	20-40 2	20-40 3	<20 4
8 Live and Dead Canopies Crown Height (ft)	3+ or >20% or 10% crown closure 0	3-5 1	2-3 2	<1 3	<1 5
9 Live and Dead Supersoil and Substratum Canopies (ft cover)	0-100 0	101-1000 1	1001-4000 2	4001-4000 3	>4000 4
10 Stand Health (% of dominant and co-dominant trees)	Standing Dead and Partly Dead < 10% 1	Standing Dead and Partly Dead 1-25% 2	Standing Dead and Partly Dead >25-50% 3	Standing Dead and Partly Dead >50-75% 4	Standing Dead and Partly Dead >75-100% 5
11 Canopies Flank/Dead Cover within 20m (ft)	0-20 0	21-40 1	41-60 2	61-80 3	>80 4
Sub Total 65 / 100*					
Weather					
12 Average Wind Speed	At, irregular 1	0-10, 100-100 Dry Solar Wet 2	10-15, 100-100 Dry Solar Wet 3	15-20, 100-100 Dry Solar Wet 4	20-30 5
13 Average Wind Direction (by 45°)	01, 07, 03, 04, 05, 06, 08, 09, 10, 11, 12 1	13, 14, 15, 16, 17, 18, 19, 20 2	21, 22, 23, 24, 25, 26, 27, 28 3	29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 4	41, 42, 43, 44 5
Sub Total 15 / 40					
Topography					
14 Aspect (> 15% slope)	North 0	East 1	<15% or 15-45° 2	West 3	South 4
15 Slope (%)	0-10 1	11-24 and non-crow for North slopes 2	25-40 3	41-54 4	>55 5
16 Slope	Flat 1	1 2	Steep terrain, above fire of dead 3	Continuous slope, dry down or shallow gully 4	Continuous slope, deep gully 5
17 Landscape Topographic Conditions in Wildfire Scenario	< 1% to isolated forest and 1	North and/or east aspects dominant, shallow ground water rise from South and/or West 2	Mountainous terrain, broken topography, regular aspect and slope changes, multiple microclimates in wildfire spread high water levels 3	Rolling terrain, lower water levels, shallow aspect and slope changes, microclimates in wildfire spread 4	Continuous, continuous topography, No microclimates in wildfire spread 5
Sub Total 24 / 40					
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE BEHAVIOR THREAT SCORE					
Sub Total 100 / 240**					
Structural					
18 Profile of Structures/Community on Slope	No Structures taken within 20m 0	Scattered 1	Mid slope (inclined), random ratio, < 15% slope 2	Mid slope continuous, > 15% slope 3	Slope 1/3 of Slope 4
19 Type of Development	No Structures taken within 20m 0	Residential interface, no structures 1	Residential interface, with structures 2	Interface > 1 structures 3	Interface > 1 structures 4
20 Profile of Assessment Area Relative to Slope	No Structures taken within 20m 0	None > 100, 200, 300 + 200 m 1	Light > 100, 200, 300 + 200 m 1 12 23	Not Steep > 100, 200, 300 + 200 m 1 12 23	Steep > 100, 200, 300 + 200 m 1 12 23
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 70 / 100					
TOTAL WILDFIRE THREAT SCORE 170					

**Based only on fuel load (100) to 20

**Based on Structural component only of Wildfire Threat Behavioral Score is +10 for enhanced adjacent.

Q95

MW

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-55

High 56-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-11

Medium 12-24

High 25-33

Extreme >33

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 95 Pictures



Picture 95-1 @ 90 degrees



Picture 95-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 96

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # Q96 Community Quesnel

Address B. Maxwell Geographic Location (Street Name) Quesnel River

Date NOV 6/17 CPUSA N52 54.759 W 122 26.874

Phone 250-341-1111 Land Ownership Owner Tenant Other (Specify)

Q96

Plot	A	B	C	D	E
1. Fuel Type and Amount (Approx. Vol)	1-2 2	3-10 2	11-20 2	21-30 2	>30 2
2. Fuel Moisture (W. cont)	<10 2	10-20 2	21-40 2	41-60 2	>60 2
3. Vegetation Fuel Availability	None, little, scattered 1	Scattered 2	Common 3	Frequent 4	Significant 5
4. Tree Branch Density (100' x 100' Area)	<1 coverage 1	1-10 coverage 2	11-20 coverage 3	>21 coverage 4	>22 coverage 5
5. Large Branch Density (100' x 100' Area)	<1 coverage 1	1-10 coverage 2	11-20 coverage 3	>21 coverage 4	>22 coverage 5
6. Ground Cover (Grass, Dead, etc.)	<10 1	10-20 2	21-40 3	41-60 4	>60 5
7. Ground Cover (Dead, etc.)	<10% 1	10-20% 2	21-40% 3	41-60% 4	>60% 5
8. Ground Cover (Dead, etc.)	<10% 1	10-20% 2	21-40% 3	41-60% 4	>60% 5
9. Wind Speed (Average)	<10 1	10-20 2	21-40 3	41-60 4	>60 5
10. Wind Direction (Average)	<10 1	10-20 2	21-40 3	41-60 4	>60 5
11. Wind Speed (Average)	<10 1	10-20 2	21-40 3	41-60 4	>60 5

Sub Total 39 / 100

Weather	A	B	C	D	E
12. Temperature (C)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
13. Humidity (%)	<10 1	10-20 2	21-30 3	31-40 4	>40 5

Sub Total 15 / 100

Topography	A	B	C	D	E
14. Slope (> 10% slope)	<10% 1	10-20% 2	21-30% 3	31-40% 4	>40% 5
15. Aspect	North 1	Northwest 2	West 3	Southwest 4	South 5
16. Elevation	<100 1	100-200 2	200-300 3	300-400 4	>400 5
17. Windward Exposure (Average)	<10% 1	10-20% 2	21-30% 3	31-40% 4	>40% 5

Sub Total 10 / 100

FUEL, WEATHER AND TOPOGRAPHY WILDFIRE RISK INDEX SCORE

Structural	A	B	C	D	E
18. Number of Structures (Within 1 km)	<10 1	10-20 2	21-30 3	31-40 4	>40 5
19. Type of Structures	None 1	Residential 2	Commercial 3	Industrial 4	Government 5
20. Age of Structures (Within 1 km)	<10 1	10-20 2	21-30 3	31-40 4	>40 5

WILDFIRE RISK INDEX SCORE 10 / 100

TOTAL WILDFIRE THREAT SCORE 49 / 100

Wildfire Behavior Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 96 Pictures



Picture 96-1 @ 360 degrees



Picture 96-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 97

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

File # 097 Community Quesnel

Address 8114th St Geographic Location/Street Name Quesnel River

Date Nov 7/17 GPS/UTM N 52 07635 W 122 24025

Parcel # 0 8 14 Land Ownership Crown Private Other (Specify)

QPM

Category	SEVERE				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12	3-12 Dry (circled)	3-12 Dry (circled)	10-20 Dry (circled)	>20 Dry (circled)
2 Surface Fuel Continuity (24 mos)	<20	20-40	41-60	61-80	81-100
3 Vegetation Fuel Composition	Herb, Herb, Forb, Shrub, Grass, Lign Litter, Dead Wood	Herb, Shrub, Dead Wood	Lign, Conifer Dead Wood	Forb, Lign	Lign, Forb, Shrub, Dead Wood, Shrub, Lign
4 Air Windy Index Continuity (1-7m) (4 mos)	<1 average	1-2 average	3-4 average	>4 average	>5 average
5 Large Windy Index Continuity (1-7m) (4 mos)	<1 average	1-2 average	3-4 average	>4 average	>5 average
6 Live and Dead Conifer Crown Closure (%)	0-10	11-20	21-30	31-40	41-50
7 Live Deciduous Crown Closure (%)	>80 or <10% conifer crown closure	61-80	41-60	21-40	<20
8 Live and Dead Conifer Crown Base Height (m)	5+ or <20% conifer crown closure	3-5	1-2	1-2	<1
9 Live and Dead Conifer and Deciduous Crown Base Height (m)	0-20	21-30	31-40	41-50	>50
10 Stand Health (% of dominant and co-dominant species)	Standing Dead and Partly Dead < 5 or <20% live	Standing Dead and Partly Dead 5-20	Standing Dead and Partly Dead 21-50	Standing Dead and Partly Dead 51-75	Standing Dead and Partly Dead >75
11 Continuous Forest Stand Class within 2km (2)	0-20	21-40	41-60	61-80	81-100
Sub Total <u>46</u> /TSP					

Weather	A	B	C	D	E
12 Precipitable Water	<1 mm	1-10 mm	11-20 mm	21-30 mm	>30 mm
13 Humidity (Relative Humidity for 24h)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17	18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29	30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40	41, 42, 43, 44, 45, 46, 47, 48, 49, 50	51, 52, 53, 54, 55, 56, 57, 58, 59, 60
Sub Total <u>15</u> /TSP					

Topography	A	B	C	D	E
14 Aspect (0-100% slope)	0-10	11-20	>20% slope all aspects	West	South
15 Slope (%)	<10	10-20	20-40	40-60	>60
16 Soils	Flat	Rolling	Steeper	Conifer slopes, deep dunes or shallow gullies	Conifer slopes, deep gullies
17 Landowner Topographic Characteristics in Wildfire Zone	< 1% isolated forest	North and/or east aspects, moderate to steep slopes, multiple water courses	West and/or south aspects, moderate to steep slopes, multiple water courses	Steeper slopes, river water bodies, moderate to steep slopes, multiple water courses	Conifer slopes, moderate to steep slopes, multiple water courses
Sub Total <u>17</u> /TSP					

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
Structural	A	B	C	D	E
18 Position of Structure/Community on Slope	No structure	Bottom of slope, valley bottom	Mid slope (inclined), elevated ridges, <10% slope	Mid slope (inclined), >10% slope	Open 1/3 of slope
19 Type of Development	No structure	Residential, no structure	Residential, with structure	Structure > 1 structure	Structure > 1 structure
20 Position of Structure Line Relative to Water	No structure	Water	>200-250 m <20% slope	Flat/low	Slope
Sub Total <u>69</u> /TSP					

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildfire Behaviour Threat Class (check applicable class)

Low 0-13

Medium 14-20

High 21-30

Extreme >30

Low SP West

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 97 Pictures



Picture 97-1 @ 360 degrees



Picture 97-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 98

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel # Q98 Community Quesnel Wet treatment Post treatment

Address 8110 Row Geographic Location/Street Name Quesnel River

Date Nov 14 GPS UTM NSP 59435 W12W 25.79T

Parcel # 00000004 Land Use/Type Open Private U.S. Other (specify)

Q98

Factor	A	B	C	D	E
1 Soil Depth and Relative Saturation (in)	1-12 1	13-24 2	25-40 3	41-60 4	61-90 5
2 Surface Moisture Content (%)	<20 1	20-40 2	41-60 3	61-80 4	81-90 5
3 Vegetation Fuel Composition	Woods, herbs, grasses, low flammability fuels 1	Deciduous 2	Conifers, dense shrubs 3	Progressive 4	Leguminous, herbaceous, wetland fuels, scrub 5
4 Fine Woody Debris Continuity (>1m) (%)	<1 coverage 1	Substantial 2	10-25 coverage 3	>25 coverage 4	>75 coverage 5
5 Large Woody Debris Continuity (>1m) (%)	<1 coverage 1	Substantial 2	10-25 coverage 3	>25 coverage 4	>75 coverage 5
6 Overland Dead Condition Class (Class 1-5)	<20 1	20-40 2	41-60 3	61-80 4	81-90 5
7 Live Condition Class (Class 1-5)	<10% live 1	10-20% live 2	21-40% live 3	41-60% live 4	61-90% live 5
8 Live and Dead Condition Class (Class 1-5)	0-20% live 1	21-40% live 2	41-60% live 3	61-80% live 4	81-90% live 5
9 Overland Dead Log Length and Understory Condition (Class 1-5)	0-100 1	101-1000 2	1000-10000 3	2001-40000 4	>40000 5
10 Fuel Moisture (% of saturation and air-dryness) (Class 1-5)	Standing dead and partially dead 1	Standing dead and partly green 2	Standing dead and partly green 3	Standing dead and partly green 4	Standing dead and partly green 5
11 Continuous Overland Fuel (Class 1-5)	0-20 1	21-40 2	41-60 3	61-80 4	81-90 5
Sub total 59					

Weather	A	B	C	D	E
12 Relative Humidity	<40% 1	40-60% 2	60-80% 3	80-90% 4	>90% 5
13 Absolute Humidity (mmHg) (Class 1-5)	0.1, 0.2, 0.3, 0.4, 0.5 1	0.6, 0.8, 1.0, 1.2, 1.4, 1.6 2	1.7, 2.0, 2.3, 2.6, 2.9, 3.2 3	3.5, 4.0, 4.5, 5.0, 5.5, 6.0 4	6.5, 7.5, 8.5, 9.5, 10.5 5
Sub total 15					

Topography	A	B	C	D	E
14 Aspect (>15% slope)	North 1	East 2	<15% 3	West 4	South 5
15 Slope (%)	<10 1	10-20 2	20-34 3	35-54 4	>55 5
16 Wind	Flat 1	Flat 2	Sloped terrain, near the ridge 3	Concave slope, deep shadow patches 4	Concave slope, deep gullies 5
17 Landscape Topographic Contribution to wildfire spread	<1% no windward 1	North and/or east aspects, dominant, with a spread mechanism from South and West 2	Northwest aspect, broken topography, major aspect and slope changes, multiple exposures to windward 3	Facing north, minor wind breaks, minor aspect and slope changes, minor exposures to windward 4	Concave, concave topography, no windward to wildfire spread 5
Sub total 19					

FUEL WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOR THREAT SCORE				
Structural	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structures 1	Bottom of slope, valley bottoms 2	Mid-slope benches, exposed to high slope 3	Mid-slope and peaks 4	Upper 1/3 of slope 5
19 Type of Development	No Structures 1	Residential 2	Commercial 3	Industrial 4	Mixed 5
20 Position of Structure/Community to Slope	No Structures 1	0-100 2	100-200 3	200-500 4	500-1000 5
Sub total 19					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **16**

TOTAL WILDFIRE THREAT SCORE **100**

Wildfire Behavior Threat Class (check applicable class)

Low 0-40

Medium 41-70

High 71-100

Extreme >100

Wildland-Urban Interface Threat Class (check applicable class)

Low 0-13

Medium 14-25

High 26-35

Extreme >35

Done
LDS
Nov 14

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 98 Pictures



Picture 98-1 @ 360 degrees



Picture 98-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 99

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Pre-assessment Post-assessment

Name: Q99 Community: Quesnel
 Address: B. Moran Geographic Location/Street Name: Riverbank
 Date: Nov 7/17 GPS/UTM: NS2 57-557 D 124 26444
 Meter: 0 4 Land Ownership: Crown Private CA Other (Specify)

Q99

Fuel	FUEL				
	A	B	C	D	E
1 Fuel Type and Moisture Regime (m)	1-12	13-15	16-18	19-20	21-25
2 Surface Fuel Continuity (m cover)	<10	20-40	41-60	61-80	>80
3 Vegetation Fuel Composition	Woods, Parks, Tragedy Areas, Low Flammability Woods	Open Shrublands	Urban, Center Sheds	Prognosis, Juniper	Saplings, Rubus, Average Bush, Scotch Pine
4 Fine Woody Debris Continuity (<10m) (m cover)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage, <10 on slope	>25 coverage, >10 on slope
5 Large Woody Debris Continuity (>10m) (m cover)	<1 coverage	Subsided, <10 coverage	10-25 coverage	>25 coverage, not stacked	>25 coverage, partially stacked
6 Live and Dead Continuous Crown Cover (%)	<25	25-40	41-60	61-80	>80
7 Live Debris Crown Cover (%)	<40 or <40% continuous crown cover	41-60	61-80	81-90	>90
8 Live and Dead Crown Cover (m height)	<1 or <20% crown cover	1-3	3-7	7-10	>10
9 Live and Dead Suppressed and Understory Crown Cover (m height)	0-200	201-300	301-400	401-600	>600
10 Root Health (% of deadwood and/or deadwood stems)	Standing dead and partly down < 5 or < 10% of trees	Standing dead and partly down 1-25	Standing dead and partly down >25-50	Standing dead and partly down >50-75	Standing dead and partly down >75
11 Continuous Crown/Dead Crown within 10m (%)	0-20	21-40	41-60	61-80	>80
Sub total 50 / 100					

Weather	WEATHER				
	A	B	C	D	E
12 Response Time	At, irregular	20% of area Dry Fuel Wet	50, 50% of area Dry Fuel Wet	80, 80, 50% of area Dry Fuel Wet	90, 90
13 Seasonal Weather Occurrence (by month for June)	02, 07, 02, 04, 05, 06, 08, 09, 10, 11, 12	03, 08, 09, 04, 10, 11, 03, 08	07, 03, 04, 04, 05, 06	07, 08, 09, 10, 11, 12	07, 08, 09, 10
Sub total 15 / 30					

Topography	TOPOGRAPHY				
	A	B	C	D	E
14 Aspect (>10% slope)	North	East	< 10% or 70% aspects	West	South
15 Slope (%)	0	10-25 and max slope for 100m slope	26-40	41-54	>55
16 Terrain	Flat	Open	Sloped terrain, initial fire not down	Concave slope, deep gullies	Concave slope, deep gullies
17 Landscape Topography (relative to wildfire spread)	< 1% for natural terrain	North and/or east aspects dominate wildfire spread west to west	North and/or west aspects dominate wildfire spread west to west	Sloping terrain, minor water flow, internal aspect and slope changes, minor changes to wildfire spread	Concave, concave topography, no restriction to wildfire spread
Sub total 19 / 30					

Fuel, Weather and Topography	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No structures below within 2 km	Bottom of slope, valley bottom	Mid slope (inclined), elevated on slope	Mid slope (inclined), > 10% slope	Slope 10% of slope
19 Type of Development	No structures, trees within 2 km	Partially developed, with structures	No major structures, with structures	Structures > 1 structure/ha	Structures < 1 structure/ha
20 Position of Structure Area Relative to Slope	No structures, below within 2 km	> 500 200-250 < 200 m	> 500 200-250 < 200 m	Flat/leveling > 500 200-250 < 200 m	> 500 200-250 < 200 m
TOTAL WILDFIRE THREAT SCORE 26 / 30					

**Threat score of fuel sub total is 26
 **Based on structural component only if Wildfire Threat Behaviour Score is > 10 for assessment purposes.

Wildfire Behaviour Threat Class (check applicable box)

Low 0-10
 Moderate 11-15
 High 16-18
 Severe > 19

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10
 Moderate 11-20
 High 21-29
 Severe > 30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 99 Pictures



Picture 99-1 @ 90 degrees



Picture 99-2 @ 270 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 100

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

City: Quesnel Residential Institutional

Address: B.M. 0000 Geographic (Include Street Name): General Line

Date: 10/7/17 GPS UTM: NS2 59.695 W124 21.88V

Parcel: Q100 Land Ownership: Crown Private Other (Specify):

Fuel	LEVELS				
	A	B	C	D	E
1 Soft Dead and Moisture-Applied (m)	1-12	2-13 Dry Fuel Wet	3-18 Dry Fuel Wet	10-20 Dry Fuel Wet	>20 Dry Fuel Wet
2 Lumber Fuel Continuity (M area)	<20	20-40	41-60	61-80	>80
3 Vegetation Fuel Continuity	Wet fuels, organic fuels, low flammability fuels	Dry fuels	Lichen, Lichen Stacks	Prognosis, Lichen	Lignin-rich, Resinous, Aromatic Resin, Softwood
4 Fine Woody Debris Continuity (>1m) (M area)	<1 coverage	Substrate, <12 coverage	10-20 coverage	>20 coverage, <10 cm deep	>20 coverage, >10 cm deep
5 Large Woody Debris Continuity (>1m) (M area)	<1 coverage	Substrate, <12 coverage	10-20 coverage	>20 coverage, not stacked	>20 coverage, partially stacked
6 Live and Dead Ladder Fuel Continuity (M)	<20	20-40	41-60	61-80	>80
7 Live Ladder Fuel Continuity (M)	>40% or 40% continuous crown closure	41-60	61-80	20-40	>40
8 Live and Dead Ladder Fuel Continuity (M)	3+ or <20% crown closure	3-5	2-13	>10	<1
9 Live and Dead Ladder Fuel Continuity (M)	0-10	101-100	10	100-400	>400
10 Fuel Loads (% of dominant and adjacent fuels)	Standing Dead and Partly Dead < 5 or <10% of fuel	Standing Dead and Partly Dead 5-25	Standing Dead and Partly Dead >25-50	Standing Dead and Partly Dead >50-75	Standing Dead and Partly Dead >75
11 Continuous Crown/Dead Cover within 2m (M)	0-20	21-40	>40	41-60	>60
Sub Total					58
Weather					
12 Precipitation (mm)	<10	10-20	21-30	31-40	>40
13 Humidity (%)	10, 20, 30, 40, 50, 60, 70, 80, 90, 100	10, 20, 30, 40, 50, 60, 70, 80, 90, 100	10, 20, 30, 40, 50, 60, 70, 80, 90, 100	10, 20, 30, 40, 50, 60, 70, 80, 90, 100	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
Sub Total					15
Topography					
14 Aspect (>10% slope)	North	East	<10% slope	West	South
15 Slope (%)	<5	5-10	10-20	20-30	>30
16 Terrain	Flat	Rolling	Sloped terrain, not steep	Consistent slope, steep ditches or shallow gullies	Consistent slope, deep gullies
17 Landscape/Topographic (pertinent to wildfire hazard)	< 1% to 10% forest cover	Woods and/or wet areas, extensive, wildfire spread with low fuel loads	Woods and/or wet areas, extensive, wildfire spread with low fuel loads	Woods and/or wet areas, extensive, wildfire spread with low fuel loads	Woods and/or wet areas, extensive, wildfire spread with low fuel loads
Sub Total					25
FUEL, WEATHER AND TOPOGRAPHY WILDFIRE RISK/THREAT SCORE					
Structural					
18 Fuel Load/Continuity at Edge	No Structures	Structure at edge, fuel load	Mid slope, structure, fuel load	Mid slope, structure, fuel load	Open 1/3 of slope
19 Type of Development	No Structures	Residential, commercial	Residential, commercial, with structures	Industrial	Industrial
20 Fuel Load of Adjacent Area	No Structures	>100, 200-500, >200 m	>100, 200-500, >200 m	>100, 200-500, >200 m	>100, 200-500, >200 m
Sub Total					25
TOTAL WILDFIRE THREAT SCORE					
Sub Total					108

Q100

Py RD
KWB

Wildfire Behavior Threat Class (check appropriate box)

Low 0-40

Medium 41-60

High 61-80

Extreme >80

Wildland Urban Interface Threat Class (check appropriate box)

Low 0-13

Medium 14-25

High 26-38

Extreme >39

last updated January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 100 Pictures



Picture 100-1 @ 360 degrees



Picture 100-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 101

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET Treatment Not treated

File # Q101 Community Quesnel
 Address B. Marlow Geographic Location/Street Name N. Quesnel
 Date Nov 7 17 GPS UTM N526 59.104 W 702 25.671
 Parcel 0 1 2 4 Land Ownership Crown Private Other (Specify)

Q101

Category	A	B	C	D	E
1. Soil Depth and Moisture Regain (m)	1-12	12-24	24-36	36-48	48-60
2. Soil pH (0-10)	<7	7-8	8-9	9-10	>10
3. Vegetation Fuel Composition	Woods, Parks, Engaged Crops, Low Fuel Moisture	Deciduous	Conifers, Grasses	Prunus, Juniper	Sagebrush, Ranunculus, Asteraceae, Scrophulariaceae
4. Fine Woody Debris (kg/m²)	<1 coverage	1-10 coverage	10-20 coverage	>20 coverage	>20 coverage
5. Large Woody Debris (kg/m²)	<1 coverage	1-10 coverage	10-20 coverage	>20 coverage	>20 coverage
6. Live and Dead Canopies (m)	<20	20-40	40-60	60-80	>80
7. Live Canopies (m)	<10 or <10% cover	10-20	20-30	30-40	>40
8. Dead and Dead Canopies (m)	1-10	10-20	20-30	30-40	>40
9. Live and Dead Canopies (m)	1-10	10-20	20-30	30-40	>40
10. Stand Health (% of dominant and co-dominant trees)	Standing Dead and Partially Dead < 10%	Standing Dead and Partially Dead 10-20	Standing Dead and Partially Dead 20-30	Standing Dead and Partially Dead 30-40	Standing Dead and Partially Dead > 40
11. Continuous Forest Stand (m)	1-20	20-40	40-60	60-80	>80

Weather Sub Total 49

Category	A	B	C	D	E
12. Precipitation (mm)	47-100	100-200	200-300	300-400	400-500
13. Relative Humidity (RH) (Jan-June)	62, 67, 62, 64, 61, 60, 61, 62, 60, 58, 57	62, 58, 60, 58, 55, 51, 51, 48	67, 63, 58, 60, 51, 48, 46	61, 61, 60, 62, 61, 61, 60, 58, 57, 50	67, 64, 62, 60

Topography Sub Total 15

Category	A	B	C	D	E
14. Aspect (°-100 slope)	North	East	<10% slope	West	South
15. Slope (%)	0	10-20 and max slope for terrain	20-40	40-50	>50
16. Soils	Soil	Soil	Stagnant soils, slow flow and drain	Consistent soils, deep flow or shallow gullies	Consistent soils, deep gullies
17. Landscape Topography (meters to wildfire spread)	< 1 ha isolated forest	10-20 and/or more aspects, moderate wildfire spread	10-20 and/or more aspects, moderate wildfire spread, multiple conditions in wildfire spread	10-20 and/or more aspects, moderate wildfire spread, multiple conditions in wildfire spread	10-20 and/or more aspects, moderate wildfire spread, multiple conditions in wildfire spread

FUEL, WEATHER AND TOPOGRAPHY Sub Total 70

Category	A	B	C	D	E
18. Position of Structures/Community on Slope	No structures	Bottom of slope, water bottom	Mid-slope, windward, elevated	Mid-slope, windward, >10% slope	Upper 1/3 of slope
19. Type of Development	No structures	Residential, commercial	Residential, commercial, industrial	Industrial > 1 structure	Industrial > 1 structure
20. Number of Structures and Building Area	No structures	1-10	10-20	20-50	>50

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 119

TOTAL WILDFIRE THREAT SCORE 119

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40
 Moderate 41-60
 High 60-140
 Extreme >140

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10
 Moderate 14-26
 High 27-48
 Extreme >49

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 101 Pictures



Picture 101-1 @ 360 degrees



Picture 101-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 102

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No treatment Post treatment

Parcel: 0102 Community: Quesnel

Address: B Morrow Geographic Location/Street Name: Dump Area

Date: Nov 7/17 GUCOM: NSV 59-320 W122 28 055

Parcel: 0102 Land Ownership: Crown Private U.S. (Other Specific)

Q102

Parameter	LEVELS				
	A	B	C	D	E
1 Soil Depth and Moisture Regime (m)	1-12	2-15 Dry Soil Regime	0-18 Dry Soil Regime	10-20 Dry Soil Regime	>20 Dry Soil Regime
2 Surface Soil Conductivity (µmhos/cm)	<20	20-40	41-60	61-80	81-100
3 Vegetation Fuel Composition	Min. Albs, Impreg Lign, Low Humidity Wood	High Albs, Shrub, Decid	Low, Conifer Shrub	Progress, Lign	Softwood, Resinous, Hardwood, Scotch Spruce
4 Air Moist Status (Relative Humidity % over)	<1 coverage	Summer <10 coverage	10-20 coverage	>20 coverage >10 in deep	>20 coverage, partially shaded
5 Large Woody Debris (Crown % over)	<1 coverage	Summer <10 coverage	10-20 coverage	>20 coverage 10 in deep	>20 coverage, partially shaded
6 Live and Dead Conifer Crown Class (m)	0	20-40	41-60	61-80	>80
7 Live Deciduous Crown Class (m)	>80 or >10% deciduous crown class	41-60	61-80	20-40	0
8 Live and Dead Conifer Crown Base Height (m)	1- or <10% under crown class	3-5	0	1-12	<1
9 Live and Dead Logwood and Substratum (Crown %)	0-100	50-100	100-1000	200-4000	>4000
10 Crown Health (% of dominant and co-dominant trees)	Standing Dead and Partly Dead <10% or <10% of	Standing Dead and Partly Dead 1-20	Standing Dead and Partly Dead >20-50	Standing Dead and Partly Dead >50-75	Standing Dead and Partly Dead >75
11 Continuous Forest/Stand Cover within 50m (m)	0-20	21-40	0	41-60	>60
Sub Total					57 /100

Weather	LEVELS				
	A	B	C	D	E
12 Regional Wind Direction (m/s)	SE, Impreg	ENE, ESE, SW, Dry Soil Regime	EA, NE, ESE, Dry Soil Regime	EA, NE, ESE, SW, Dry Soil Regime	EA, NE, ESE, SW, Dry Soil Regime
13 Relative Humidity (RH) for June	01, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10	01, 04, 05, 06, 07, 08, 09, 10	01, 03, 04, 05, 06, 07, 08, 09, 10	01, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10	01, 04, 05, 06, 07, 08, 09, 10
Sub Total					15 /100

Topography	LEVELS				
	A	B	C	D	E
14 Aspect (>10% slope)	North	East	<10% of aspects	West	South
15 Slope (%)	0	10-20 and less steep for North slopes	20-40	40-50	>50
16 Slope	Flat	0	Shaded areas, minor local relief	Exposed slopes, deep draws or shallow gulches	Continuous slopes, deep gulches
17 Landform Topographic (contour or visible) level	<1% to isolated mound	North and/or west aspects, moderate, with/or slight relief from South and/or West	Minor/mid/major, broken topography, regular aspect, and/or steep slopes, multiple exposures to wind/or wind direction	Relief, breaks, minor water bodies, minor aspect and/or slope changes, minor exposures to wind/or wind direction	Continuous, continuous topography, no breaks or wind/or wind direction
Sub Total					20 /100

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE BEHAVIOUR THREAT SCORE				
	A	B	C	D	E
18 Position of Structure/Community on Slope	No Structure Values within 2 km	Bottom of slope, valley bottom	Mid-slope level, elevated on 10% slope	Mid-slope level, >10% slope	Slope 1/3 of slope
19 Type of Development	No Structure Values within 2 km	Residential interface	Commercial, industrial, agricultural	Industrial >1 structure/ha	Residential >1 structure/ha
20 Proximity of Structure Area Source to Fuel	No Structure Values within 2 km	Above >500 700 100 <100 m	Below >500 700 100 <100 m	Flatter >500 700 100 <100 m	Below >500 700 100 <100 m
Sub Total					61 /100

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: 21 /100

TOTAL WILDFIRE THREAT SCORE: 114 /100

Wildfire Behaviour Threat Class (check applicable box)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable box)

Low 0-10

Medium 11-20

High 21-30

Extreme >31

Post logging slash

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 102 Pictures



Picture 102-1 @ 360 degrees



Picture 102-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 103

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Form # Q103 Community Quesnel For treatment Not treated

Address 10300 111st Geographic location (street name) Dump Area

Date Nov 7/17 UIC/ULC NSD 61320 WIND 10,145'

Notes 0 0 0 4 Land description Open Private I.R. Other (specify)

FUEL

Point	A	B	C	D	E
1. Soft Sapwood and Medium Sapwood (20)	1-12	13-25	26-35	36-50	>50
2. Conifer Fuel Community (20 area)	<20	20-40	41-60	61-80	>80
3. Openland Fuel Composition	Woods, Parks, Trampled Open, Low Fuelbed Dry Wood	Open fields	Fields, Garden Shrubs	Prunus, Aspen	Sagebrush, Buckgrass, Arrowweed, Forch Grass
4. Fine Woody Debris Community (>100) (20 area)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage	>25 coverage
5. Large Woody Debris Community (>100) (20 area)	<1 coverage	1-10 coverage	10-25 coverage	>25 coverage	>25 coverage
6. Live and Dead Grassland Open Grass (20)	<20	20-40	41-60	61-80	>80
7. Live Grassland Open Grass (20)	<10 or <60% coverage open grass	10-20	21-40	41-60	>60
8. Live and Dead Conifer Open Area (20)	1-10 or <20% conifer cover	10-20	21-40	41-60	>60
9. Live and Dead Lignicolous and Herbaceous Conifer (20 area)	0-200	201-1000	1001-4000	4001-8000	>8000
10. Fuel Health (% of dominant and sub-dominant species)	Standing Dead and Partially Dead < 5 or 20% Branches	Standing Dead and Partially Dead 5-10	Standing Dead and Partially Dead 10-20	Standing Dead and Partially Dead 20-75	Standing Dead and Partially Dead >75
11. Continuous Forested Cover within 200 (20)	0-20	21-40	41-60	61-80	>80
Sub Total <u>49</u> /100*					

Weather

	A	B	C	D	E
12. Precipitation (mm)	<10	10-25	26-50	51-100	>100
13. Humidity (mm)	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	21, 22, 23, 24, 25, 26, 27, 28, 29, 30	31, 32, 33, 34, 35, 36, 37, 38, 39, 40	41, 42, 43, 44, 45, 46, 47, 48, 49, 50	51, 52, 53, 54, 55, 56, 57, 58, 59, 60
Sub Total <u>15</u> /50					

Topography

	A	B	C	D	E
14. Aspect (>10% slope)	East	East	<10% slope of aspect	West	South
15. Slope (%)	<10	10-20	20-40	40-50	>50
16. Slope	Flat	Rolling	Steep slopes, when slope > 10%	Consistent slope, steep slopes or shallow gullies	Consistent slope, deep gullies
17. Landscape Topography (variation in wildfire spread)	< 1% for isolated forest	North and/or west aspects, consistent, wildfire spread restricted from south and/or west	West and/or south aspects, broken topography, regular aspect and slope changes, multiple topographic features	Rolling terrain, minor water features, moderate aspect and slope changes, some restrictions to wildfire spread	Continuous, consistent topography, no restrictions to wildfire spread
Sub Total <u>19</u> /50					

FUEL, WEATHER AND TOPOGRAPHY

	A	B	C	D	E
18. Fuel	No structures	Some structures	Mid-range structures	Mid-range structures	High density structures
19. Topography	No structures	Some structures	Mid-range structures	Mid-range structures	High density structures
20. Weather	No structures	Some structures	Mid-range structures	Mid-range structures	High density structures
Sub Total <u>19</u> /50					

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE

TOTAL WILDFIRE THREAT SCORE 99 /200

Wildfire Behaviour Threat Class (check appropriate box)

Low	0-40	<input type="checkbox"/>
Medium	41-80	<input checked="" type="checkbox"/>
High	81-140	<input type="checkbox"/>
Extreme	>140	<input type="checkbox"/>

Wildland Urban Interface Threat Class (check appropriate box)

Low	0-10	<input type="checkbox"/>
Medium	11-20	<input checked="" type="checkbox"/>
High	21-30	<input type="checkbox"/>
Extreme	>30	<input type="checkbox"/>

Jan Updated January 24, 2017

Q103

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 103 Pictures



Picture 103-1 @ 360 degrees



Picture 103-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 104

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET For residential Non-residential

Parcel: **Q104** Community: **Quesnel**
 Owner: **B. Moras** Geographic Location/Street Name: **Dunny Area**
 Date: **Nov 7 11** UTM: **N 52° 51.94 W 122° 20.11**
 Plot: **2 x 4** Land Ownership: Crown Private U.S. Other (Specify):

Q104

Parameter	SEVERITY				
	A	B	C	D	E
1 Soil Depth and Relative Degree (in)	1-12	3-15 Dry Soil Wet	5-10 Dry Soil Wet	10-20 Dry Soil Wet	>20 Dry Soil Wet
2 Surface Soil Conductivity (µmhos/cm)	<25	25-40	41-60	61-80	>80
3 Vegetation Fuel Competition	Wet, Herb, Invasive, Low Fuelability Rank	Herb, Deciduous Shrubs	1-Ann, Conifer Shrubs	Progress, Injunct	Scrubland, Rainforest, Average Bush, Scotch Pine
4 Fine Woody Debris Conductivity (<1cm) (% area)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage, <100mm	>20 coverage, >100mm
5 Large Woody Debris Conductivity (>1cm) (% area)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage, not stacked	>20 coverage, stacked
6 Live and Dead Canopies Crown Closure (%)	<20	20-40	41-60	61-80	>80
7 Live Canopies Crown Closure (%)	>80 = >40% Canopies from crown	61-80	41-60	20-40	0
8 Live and Dead Canopies Crown Closure (%)	1+ or <20% canopy crown closure	0	2-12	1-12	1
9 Live and Dead Lignotuber and Rhizome Length (cm) (No)	0-100	101-1000	1000-2000	2001-4000	>4000
10 Aspect Ratio (% of dominant and sub-dominant aspect)	Standing dead and partly down <1 or 20%	Standing dead and partly down 2-20	Standing dead and partly down >20-75	Standing dead and partly down >75-75	Standing dead and partly down >75
11 Continuous Crown/Dead Layer within 2m (No)	0-20	20-70	71-80	81-90	>90
Sub Total 58 / 100					

Parameter	WILDLAND BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
12 Slope/Aspect Class	W, NW, NE, E, SE, S, SW, W, SW	SW, SE, NE, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW
13 Aspect Ratio (% of dominant and sub-dominant aspect)	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW	SE, NE, SW, NW, S, SE, SW, W, SW
Sub Total 15 / 100					

Parameter	WILDLAND BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
14 Aspect (>15% slope)	North	East	<15% (uphill) aspects	West	South
15 Slope (%)	<10	10-20 (uphill) for North aspect	20-40	40-54	>55
16 Slope	Flat	Shallow	Steep terrain, above fire out of shade	Consistent slope, steep down or shallow gullies	Consistent slope, steep gullies
17 Landscape Topography (relative to wildfire spread)	<1% to isolated broad area	North and/or east aspects dominant, within ground restricted from south aspect	Discontinuous terrain, bottom topography, major aspect and slope change, multiple orientations to wildfire spread, large water bodies	Rolling terrain, minor water bodies, minor aspect and slope change, minor water courses, within ground	Continuous, consistent topography, no restrictions to wildfire spread
Sub Total 10 / 100					

Parameter	WILDLAND BEHAVIOUR THREAT SCORES				
	A	B	C	D	E
18 Position of Structures/Community on Slope	No structures within 2 km	Bottom of slope, valley bottom	Mid slope (uphill) or near top of slope	Mid slope continuous, >75% slope	Slope 1:1 of slope
19 Type of Development	No structures within 2 km	Residential, agriculture, public lands	Residential, agriculture, with structures	Industrial > 1 structure	Industrial > 1 structure, infrastructure
20 Position of Assessment Area Relative to Features	No structures within 2 km	None	Structure >100-200-300-400m	Structure >100-200-300-400m	Structure >100-200-300-400m
Sub Total 10 / 100					

Assessed only if that sub total is 25
 ** Proceed to Structural component only if Wildfire Threat Behaviour Score is >10 for unassessed parcels.

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE **73** / 100
TOTAL WILDFIRE THREAT SCORE **101** / 200

Wildfire Behaviour Threat Class (check applicable case)

Low 0-40
 Moderate 41-65
 High 66-140
 Extreme >140

Wildland Urban Interface Threat Class (check applicable case)

Low 0-11
 Moderate 12-26
 High 27-39
 Extreme >39

Last updated January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 104 Pictures



Picture 104-1 @ 360 degrees



Picture 104-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 105

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Field: Q105 Community: Quesnel

Address: B. Macrae Geographic Location/Street Name: Industrial Park

Date: Nov 7/17 UTM: N52 59.850 W120 20.50

Parcel: 1-4 Land Use: Crown Private I.R. (Other specify)

Q105

Parameter	A	B	C	D	E
1. Soil Depth and Moisture Regime (m)	0-12	13-24	25-36	37-48	49-60
2. Surface Fuel Continuity (m area)	<10	10-20	21-30	31-40	41-50
3. Vegetative Fuel Composition	Woods, Parks, Organics, High Fuel Productivity Woods	Woods, Deciduous	Woods, Conifer Decid	Foregrass, Juniper	Scrubland, Bare Spars, Average Wood, Small Trees
4. Fire Windy (m/s) Continuity (1-100) (m area)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage	>20 coverage
5. Large Windy (m/s) Continuity (1-100) (m area)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage	>20 coverage, partially obscured
6. Live and Dead (Green) Cover Class (m)	<20	20-40	41-60	61-80	>80
7. Live (Green) Cover Class (m)	<20 or <40% continuous cover class	41-60	61-80	81-100	>100
8. Live and Dead (Leaf) Cover Area (m ²)	0-20	21-40	41-60	61-80	>80
9. Live and Dead (Supernat) and (Subnat) Cover (m ²)	0-200	201-400	401-600	601-800	>800
10. Stand Health (m of diameter and m diameter class)	Standing Dead and Partly Dead < 5 m dbh	Standing Dead and Partly Dead 5-10	Standing Dead and Partly Dead >10-20	Standing Dead and Partly Dead >20-30	Standing Dead and Partly Dead >30
11. Continuous Forest Cover within 100 m	0-20	21-40	41-60	61-80	>80

Sub Total: **65** / 100

Weather	A	B	C	D	E
12. Significant Wind	W, frequent	SW, SE, NW, SW, S, S, S, S	SW, SE, NW, SW, S, S, S, S	SW, SE, NW, SW, S, S, S, S	SW, SE, NW, SW, S, S, S, S
13. Observed Wildfire (m ² area)	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40	41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60	61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80	81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Sub Total: **15** / 100

Topography	A	B	C	D	E
14. Aspect (0-150 deg)	North	East	<150 deg	West	South
15. Slope (%)	0-10	11-20 and near zero for north slopes	21-30	31-40	>40
16. Drain	0	Noting	Slope towards, near the road	Convergent slope, deep ditches or ditches pattern	Convergent slope, deep ditches
17. Landscape Topography (contours in white space)	< 2 to isolated trees	North and/or east aspects decrease, weather ground with low slope	Northwest trends, broken topography, major aspect and slope change, multiple microclimates in weather ground	Noting terrain, minor water bodies, minimal aspect and slope change, minor water bodies in weather ground	Continual, consistent topography, no microclimates in weather ground

Sub Total: **14** / 100

Sub Total: **94** / 100

FUEL, WEATHER AND TOPOGRAPHY	A	B	C	D	E
18. Number of Structures/Community on Slope	No Structures	Between 1-10	11-20	21-30	31-40
19. Type of Development	No Structures	Residential	Residential	Industrial	Industrial
20. Number of Structures Area Relative to Slope	No Structures	1-100	101-200	201-300	301-400

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: **94** / 100

TOTAL WILDFIRE THREAT SCORE: **159** / 200

Wildfire Behaviour Threat Class (check applicable class)

Low: 0-10

Medium: 11-20

High: 21-30

Extreme: >30

Wildland Urban Interface Threat Class (check applicable class)

Low: 0-10

Medium: 11-20

High: 21-30

Extreme: >30

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 105 Pictures



Picture 105-1 @ 360 degrees



Picture 105-2 @ 90 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 106

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET No features Not featured

Plot # Q106 Community Quesnel
 Address 8 Maran Geographic Location Street Name North Star Dr
 Date Nov 7/17 GPS UTM N52 59.416 2100 281031
 Plot # 8 4 4 Land Ownership Crown Private I.R. Other (specify)

Q106

Feature	LEVELS				
	A	B	C	D	E
1 Fuel Load and Moisture Regime (LW)	1-12	20-40	41-60	61-80	81-100
2 Fuelbed Fuel Continuity (% cover)	<10	20-40	41-60	61-80	81-100
3 Vegetation Fuel Composition	Woods, Parks, Irrigated Crops, Low Fuelbed Fuelbed	Shrub, Deciduous Forest	Conifers, Conifer Shrub	Prunus, Juniper	Scrubland, Red Pine, Lodgepole Pine, Black Spruce
4 Fine Woody Debris Continuity (>=10cm) (% cover)	<1 coverage	10-25 coverage	26-50 coverage	>50 coverage	>75 coverage
5 Large Woody Debris Continuity (>=10cm) (% cover)	<1 coverage	Substrate, <10 coverage	10-25 coverage	>25 coverage	>50 coverage
6 Live and Dead Condition Crown Closure (%)	<10	10-20	21-40	41-60	61-80
7 Live Standover Crown Closure (%)	>80 or >80% performance crown closure	70-80	61-80	41-60	21-40
8 Live and Dead Condition Stem Height (m)	1- or <10% canopy crown closure	1-2	2-10	10-20	>20
9 Live and Dead Suppression and Maintenance Condition (stem/ha)	0-500	500-1000	1000-2000	2000-4000	>4000
10 Fuel Health (% of dominant and co-dominant species)	Standing Dead and Partly Dead < 1 or <10% species	Standing Dead and Partly Dead 1-25	Standing Dead and Partly Dead 26-50	Standing Dead and Partly Dead 51-75	Standing Dead and Partly Dead >75
11 Continuous Forest Fuel Cover within 20m (%)	0	10	40-60	61-80	>80

Sub Total 56 /100*

Weather	A	B	C	D	E
12 Atmospheric Drier	At. Irrigated	0-10% RH, 10-20% RH, 20-30% RH	10-20% RH, 20-30% RH, 30-40% RH	40-50% RH, 50-60% RH, 60-70% RH	70-80% RH, 80-90% RH, 90-100% RH
13 Relative Humidity (Average 24 HR) (% cover)	02, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10	11, 12, 13, 14, 15, 16, 17, 18, 19	20, 21, 22, 23, 24, 25, 26, 27, 28, 29	30, 31, 32, 33, 34, 35, 36, 37, 38, 39	40, 41, 42, 43, 44, 45, 46, 47, 48, 49

Sub Total 15 /100

Topography	A	B	C	D	E
14 Aspect (>17% slope)	North	East	<10% slope	West	South
15 Slope (%)	0-10	10-25 and flat to low for north slopes	26-40	41-54	>55
16 Slope	0	10	20	30	40
17 Landscape Topographic Condition in Wildfire Zone	<10% no isolated forest	North and/or east aspect, 10-25% slope, 10-25% RH	West and/or south aspect, 26-40% slope, 26-40% RH	East and/or west aspect, 41-54% slope, 41-54% RH	Continuous, continuous topography, no obstacles to wildfire spread

Sub Total 16 /100**

Sub Total 87 /100**

FUEL WEATHER AND TOPOGRAPHY		WILDFIRE BEHAVIOUR THREAT SCORE				
Structural	A	B	C	D	E	
18 Number of Structures/Community on Slope	No Structures, 0-100m	Bottom of slope, 100-200m	Mid slope, 200-300m, 300-400m	Mid slope, 400-500m, >500m	Steeper 1/2 of Slope	
19 Type of Development	No Structures, 0-100m	Residential, 100-200m	Residential, 200-300m, 300-400m	Residential, 400-500m, >500m	Industrial or commercial infrastructure	
20 Number of Structures and Slope to Water	No Structures, 0-100m	100-200m, >200m	200-300m, >300m	300-400m, >400m	Steeper 1/2 of Slope	

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE 87 /100
 TOTAL WILDFIRE THREAT SCORE 116 /100

Wildfire Behaviour Threat Class (Risk applicable only)

Low 0-40
 Moderate 41-60
 High 61-80
 Extreme >80

Wildland Urban Interface Threat Class (Risk applicable only)

Low 0-10
 Moderate 11-20
 High 21-30
 Extreme >30

Last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 106 Pictures



Picture 106-1 @ 360 degrees



Picture 106-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 107

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

File # Q107 Community Quesnel

Address B Morrow Geographic Location Street Name Nest House Timber Park

Date Nov 7, 17 UPS/UTM NS20 00-157 W128 17266

Phone 0 0 4 Land Ownership Crown Private Other (specify)

Q107

Fuel	WILDFIRE THREAT ASSESSMENT				
	A	B	C	D	E
1 Fuel Type and Moisture Regime (a)	1-12	2-13 Dry Grass Mat 5 3 1	3-17 Dry Grass Mat 10 8 7	18-20 Dry Grass Mat 12 8 4	21-25 Dry Grass Mat 15 10 5
2 Surface Fuel Continuity (b) (a)	<20	20-40	41-60	61-80	81-100
3 Vegetation Fuel Composition	Shrub, Forb, Sprigged Grass, Low Fuel Moisture	Deciduous Shrub	Shrub, Conifer Shrub	Forb, Sprigged Grass	Sprigged Grass, Forb, Shrub, Conifer Shrub
4 Fine Woody Debris Continuity (c) (a) (b)	<1 coverage	Subtotal <10 coverage	10-25 coverage	>25 coverage <10 on slope	>25 coverage >10 on slope
5 Large Woody Debris Continuity (c) (a) (b)	<10	Subtotal <10 coverage	10-25 coverage	>25 coverage not elevated	>25 coverage partially elevated
6 Live and Dead Conifer Crown Closure (d)	<10	20-40	41-60	61-80	81-100
7 Live and Dead Deciduous Crown Closure (d)	<10	20-40	41-60	61-80	81-100
8 Live and Dead Conifer Live Crown (e)	1 or 2	3-5	6-7	8-10	11-12
9 Live and Dead Deciduous and Shrub Live Crown (e)	1 or 2	3-5	6-7	8-10	11-12
10 Live and Dead Conifer and Deciduous Live Crown (e)	1 or 2	3-5	6-7	8-10	11-12
11 Crown Closure (f) (a) (b) (c) (d) (e)	1-20	21-40	41-60	61-80	81-100
Sub Total					128

Weather	WILDFIRE THREAT ASSESSMENT				
	A	B	C	D	E
12 Significant Wind	NE, S, SE	SW, NW, NE, SE, Dry Grass Mat	SW, NW, NE, SE, Dry Grass Mat	SW, NW, NE, SE, Dry Grass Mat	SW, NW, NE, SE, Dry Grass Mat
13 Humidity (h) (a) (b) (c) (d) (e) (f)	61, 62, 63, 64, 65, 66, 67, 68, 69, 70	71, 72, 73, 74, 75, 76, 77, 78, 79	80, 81, 82, 83, 84, 85, 86, 87, 88	89, 90, 91, 92, 93, 94, 95, 96, 97, 98	99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110
Sub Total					158

Topography	WILDFIRE THREAT ASSESSMENT				
	A	B	C	D	E
14 Aspect (i) (a) (b) (c) (d) (e)	East	East	<10% slope, all aspects	West	South
15 Slope (j)	<10	10-20	20-40	40-54	>55
16 Slope	Flat	Sloping	Steep, Shaded, or other states	Concave slope, Deep ditches or other features	Convex slope, Deep gullies
17 Landscape Topographic Features (k) (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k)	<1% topographic	North and/or east aspects dominant, weather general	Mountainous terrain, broken topography, regular aspect and slope changes, multiple orientations to weather aspect	Rolling terrain, river water bodies, seasonal aspect and slope changes, major orientations to weather aspect	Complex, convoluted topography, no orientation to weather aspect
Sub Total					158

FUEL, WEATHER AND TOPOGRAPHY	WILDFIRE THREAT ASSESSMENT				
	A	B	C	D	E
18 Number of Structures/Community on Slope	No Structures	Bottom of slope, weathered	Mid slope, forested, elevated sites, <10% slope	Mid slope, coniferous, >10% slope	Upper 1/3 of slope
19 Type of Development	No Structures	Residential	Residential with outbuildings	Industrial or 1 structure/ha	Industrial or 1 structure/ha
20 Proximity of Development Area Relative to Slope	No Structures	Close	Open	Partial	Open
Sub Total					158

WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE: 128 + 158 + 158 = 444

TOTAL WILDFIRE THREAT SCORE: 444

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-13

Medium 14-26

High 27-39

Extreme >39

Last updated January 24, 2013

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 107 Pictures



Picture 107-1 @ 360 degrees



Picture 107-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 108

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Parcel: Q108 Community: Quesnel For treatment Not treatment

Name: B. Morrow Geographic Location/Street Name: Drainage Ch

Date: Nov 7/17 District: NSV 58.79A W100 21.81b

Parcel: Q108 Land Ownership: Crown Private I.A. Other (Specify)

Fuel	Landscape				
	A	B	C	D	E
1 Soft Dead and Moisture Regain (m)	1-12	3-15 Dry Leaf Litter	8-15 Dry Grass	10-20 Dry Leaf Litter	>20 Dry Leaf Litter
2 Surface Fuel Continuity (m cover)	<12	20-40	41-60	61-80	81-100
3 Vegetation Fuel Composition	Woods, brush, Engaged Crown, Low Fuel Moisture	20-40 Grass	Woods, Grass, Shrubs	Pinus, Spruce	Sagebrush, Birch, Willow, Spruce, Fir
4 Fine Woody Debris Continuity (>1cm) (m cover)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage 4-10 cm deep	>20 coverage >10 cm deep
5 Large Woody Debris Continuity (>1cm) (m cover)	<1 coverage	Scattered, <10 coverage	10-20 coverage	>20 coverage not situated	>20 coverage partially situated
6 Live and Dead Condition Crown Closure (%)	0-20	20-40	40-60	60-80	>80
7 Live Condition Crown Closure (%)	<40 or <10% crown closure	40-60	60-80	80-100	>80
8 Live and Dead Condition Base Layer (m)	1-4 or 20% cover	3-5	2-10	1-12	<1
9 Live and Dead Supplemental and Interlocking Condition (m cover)	0-20	30-100	100-200	200-400	>400
10 Fuel Health (% of dominant and co-dominant species)	Standing Dead and Fuel Moisture < 1 and < 10% cover	Standing Dead and Fuel Moisture 1-20	Standing Dead and Fuel Moisture 20-50	Standing Dead and Fuel Moisture >50-75	Standing Dead and Fuel Moisture >75
11 Continuous Fuel Dead Cover within 20m (%)	0-20	20-40	40-60	60-80	>80
Sub Total					14
Weather					
12 Average Month Snow	41-60 days	100-120 days	120-150 days	150-180 days	180-200 days
13 Average Winter Precipitation (mm) (Jan to Jun)	100-150, 150-200, 200-250	250-300, 300-350, 350-400	400-450, 450-500, 500-550	550-600, 600-650, 650-700	700-750, 750-800, 800-850
Sub Total					15
Topography					
14 Aspect (>17% slope)	South	East	<10% slope all aspects	10-20	South
15 Slope (%)	<10	10-20 and less cover	20-40	40-50	>50
16 Soils	Flat	Rolling	Topography, Slope less than 10%	Topography, Slope 10-20%	Topography, Slope 20-30%
17 Landcover/Topography (percentage in Wildfire Zone)	< 5% in Wildfire Zone	North and/or east aspects, continuous, within 100m, with cover from South and/or West	Fluctuating terrain, broken topography, regular aspect and slope changes, multiple inclinations in wildfire zone	Rolling terrain, minor water bodies, minimal aspect and slope changes, minor water bodies in wildfire zone	Continuous, consistent topography, no inclinations in wildfire zone
Sub Total					16
FUEL WEATHER AND TOPOGRAPHY					
WILDFIRE BEHAVIOUR THREAT SCORE					
Structural					
18 Position of Structure/Community or Slope	No Structure/Minimum within 2 km	Bottom of slope, safety feature	Mid-slope, windward, adjacent to 10% slope	Mid-slope, continuous, >10% slope	Slope 10% of Slope
19 Size of Development	No Structure/Minimum within 2 km	Residential interface, no structure	Residential interface, with structure	Interface > 1 structure/ha	Interface > 1 structure/ha
20 Action of Abatement Area Within 100m	No Structure/Minimum within 2 km	Above >100-200-300-400m	Below >100-200-300-400m	Flattening >100-200-300-400m	Below >100-200-300-400m
Sub Total					17
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					40
TOTAL WILDFIRE THREAT SCORE					109

Q108

At Day Creek

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40

Medium 41-60

High 61-100

Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-10

Medium 11-20

High 21-30

Extreme >30

Last Updated: January 24, 2017

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 108 Pictures



Picture 108-1 @ 90 degrees



Picture 108-2 @ 180 degrees

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 109

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot # Q109 Community Quesnel
 Account Brimrow Geoplot Location/Owner Baker Cr
 Date Nov 7/17 DPO/PA NSV 59.117 W122 31.294
 Phone 0 0 4 Land Ownership Crown Private I.R. Other (specify)

Parcel	LEVELS				
	A	B	C	D	E
1 Soft Death and Medium Escape (m)	1-2 3	2-3 Dry Stand 5 2 1	3-10 Dry Stand Wet 10 4 2	10-20 Dry Stand Wet 12 4 4	>20 Dry Stand Wet 12 12 5
2 Surface Fuel Continuity (% area)	<20 0	20-40 0	40-60 1	60-80 4	>80 0
3 Vegetation Fuel Collection	None, No Inclined Slope, Low Fuelbank (by Wind)	Light Dry Stand	Light Culm Culm (by Wind)	Progress Large 4	Significant Inclined Progressive Fuel, South-South 5
4 Fine Woody Debris Continuity (<4m) (% area)	<10 coverage 0	10-20 0	20-30 0	>30 coverage >10 on slope 10	>30 coverage >10 on slope 15
5 Large Woody Debris Continuity (>4m) (% area)	<10 0	10-20 0	20-30 0	>30 coverage Full of brush 1	>30 coverage partially cleared 10
6 Live and Dead Fuelbank Crown Closure (%)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
7 Live Standings Crown Closure (%)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
8 Live and Dead Fuelbank Base Height (m)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
9 Live and Dead Fuelbank and Standings Continuity (m)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
10 Fuelbank Standings Crown Closure (%)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
11 Fuelbank Standings Crown Closure within 2m (%)	<10 0	10-20 0	20-30 0	30-40 10	>40 10
Sub Total 23 / 100*					
Weather					
12 Maximum Wind	A	B	C	D	E
13 Minimum Wind	A	B	C	D	E
Sub Total 15 / 100					
Topography					
14 Aspect (>10% slope)	A	B	C	D	E
15 Slope (%)	A	B	C	D	E
16 Drain	A	B	C	D	E
17 Landscape Topographic Continuity to Wildfire (km)	A	B	C	D	E
Sub Total 17 / 100**					
FUEL WEATHER AND TOPOGRAPHY					
Sub Total 55 / 200**					
WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE					
TOTAL WILDFIRE THREAT SCORE 78 / 200					

Q109

Deep River Bottom

Wildfire Behaviour Threat Class (check applicable class)

Low 0-40
 Moderate 41-65
 High 66-100
 Extreme >100

Wildland Urban Interface Threat Class (check applicable class)

Low 0-11
 Moderate 12-25
 High 26-39
 Extreme >39

Last Updated January 24, 2012

Quesnel Community Wildfire Protection Plan October 2017
Wildfire Threat Assessment Worksheet 109 Pictures



Picture 109-1 @ 360 degrees



Picture 109-2 @ 180 degrees