

City of Vernon

WILDFIRE THREAT ASSESSMENT

2024

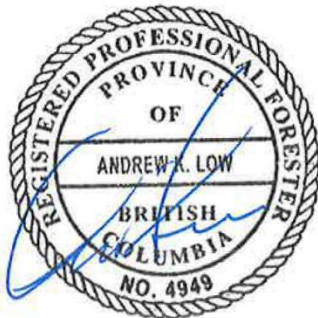


PREPARATION

This document consists of the site level Wildfire Threat Assessment – Fuel Assessment worksheets and associated photos that, in part, form the basis for the wildfire risk assessments for the 2024 Community Wildfire Resiliency Plan (CWRP) for the City of Vernon. The assessments contained herein follow the 2020 BCWS Wildfire Threat Assessment Guide and Worksheets. The worksheets included here are copies of a fillable PDF form that Forsite Consultants Ltd. developed to facilitate electronic field data entry.

The proceeding Wildfire Threat Assessment – Fuel Assessment worksheets were completed under the supervision by the qualified professional, whose seal and signature are affixed below:

REGISTERED PROFESSIONAL SIGNATURE AND SEAL

RPF PRINTED NAME	RPF #
Andrew K. Low	RPF 4949
DATE SIGNED	
June 14, 2024	
I certify that the work described herein fulfills the standards expected of a registrant of the Forest Professionals British Columbia and that I did personally supervise the work.	
REGISTERED PROFESSIONAL FORESTER SIGNATURE & SEAL	
	
	

CONTENTS

PREPARATION i

Registered Professional Signature and Seal i

1. Wildfire Threat Assessments Summary 1

2. City of Vernon 3

 2.1 Predator Ridge 3

 2.2 Ellison Park 7

 2.3 Sunset Properties 11

 2.4 Canadian Lakeview 15

 2.5 Reservoir 19

 2.6 Turtle Mountain 23

 2.7 Gray Canal 27

 2.8 Becker Park 31

1. WILDFIRE THREAT ASSESSMENTS SUMMARY

Table 1. Summary of the fuel assessment (site level) worksheets from the wildfire threat assessments.

Plot ID	Date (dd-mm-yr)	Location	Elevation (m)	Coordinates	Score	Eco Province	Fuel Assessment Rating
1	03-Aug-23	Predator Ridge	751	50.182031, -119.402209	44	Southern Interior	LOW
2	03-Aug-23	Ellison Park	465	50.177742, -119.430956	54	Southern Interior	MODERATE
3	03-Aug-23	Sunset Properties	397	50.207878, -119.397992	35	Southern Interior	LOW
4	03-Aug-23	Canadian Lakeview	427	50.239149, -119.411687	48	Southern Interior	MODERATE
5	05-Sep-23	Reservoir	591	50.198275, -119.360293	15	Southern Interior	LOW
6	05-Sep-23	Turtle Mountain	467	50.267772, -119.290963	11	Southern Interior	LOW
7	05-Sep-23	Grey Canal Trail	479	50.274357, -119.286450	18	Southern Interior	LOW
8	05-Sep-23	Becker Park	405	50.269586, -119.278893	13	Southern Interior	LOW

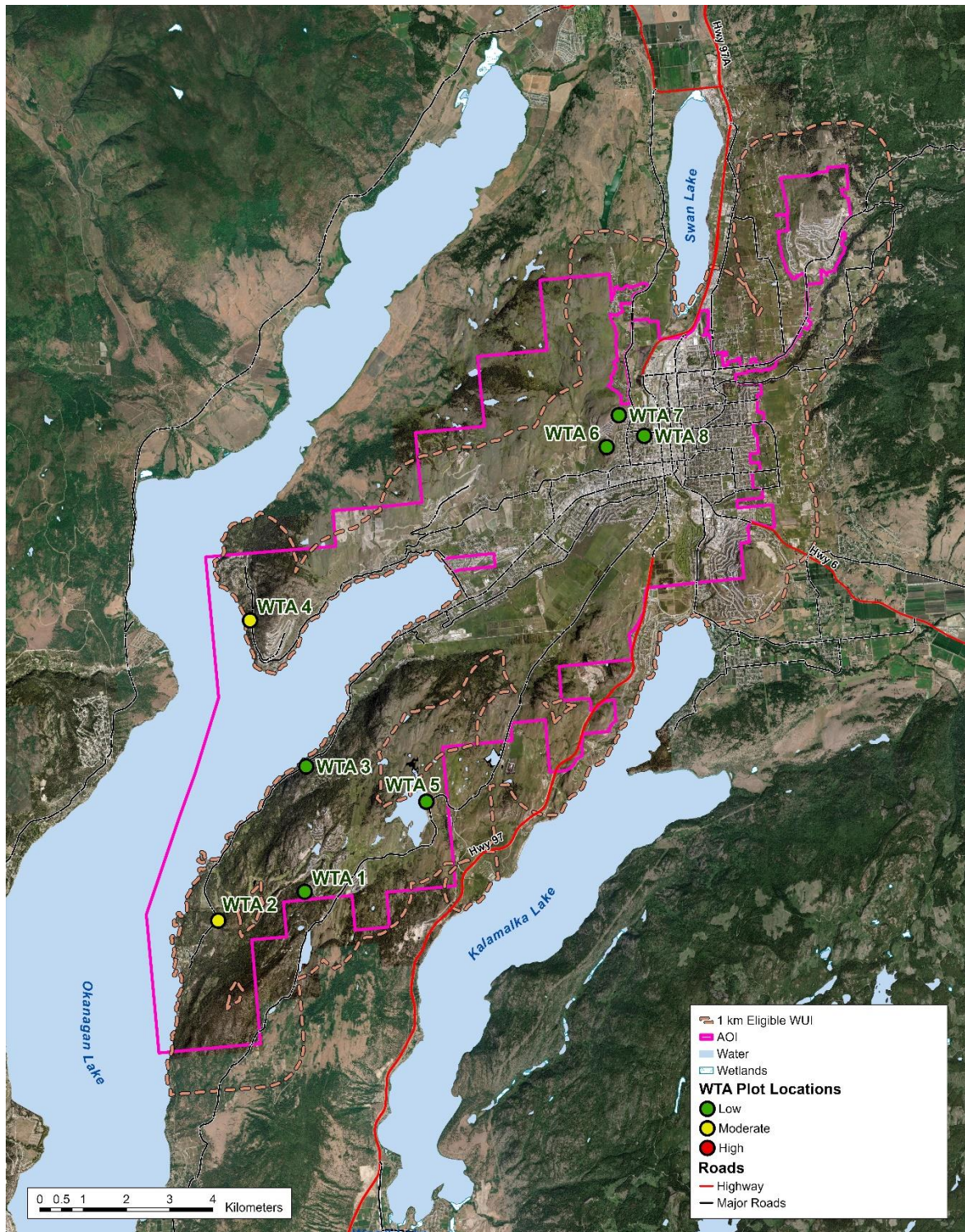


Figure 1. Wildfire threat assessment locations.

2. CITY OF VERNON

2.1 PREDATOR RIDGE

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**

Location: **Predator Ridge**

Coordinates: **50.182031, -119.402209**

Elev (m): **751**

Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **1**

Date: **August 3, 2023**

Time: **10:35**

Municipal

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm	2 - < 5 cm	5 - < 10 cm	10 - 20 cm	> 20 cm	
	☒ 1	☐ 3	☐ 5	☐ 3	☐ 2	1

Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs	Lichen, conifer shrubs	Dead fine fuel (< 1 cm)	Pinegrass	Sagebrush, bunch grass, juniper, Scotch broom	
	☐ 0	☐ 4	☐ 8	☒ 10	☐ 15	10
3: Dead and down material	Absent	Scattered < 10% coverage	10 - 25% coverage	26 - 50% coverage	> 50% coverage	
	☐ 0	☒ 5	☐ 8	☐ 10	☐ 15	5
4: Ladder fuel composition	Deciduous / None	Mixedwood	Other conifer	Elevated dead fuel	Spruce, pine, fir	
	☐ 0	☐ 5	☐ 8	☐ 10	☒ 15	15
5: Ladder fuel horizontal	Absent	Sparse < 10% coverage	Scattered 10 - 39% coverage	Patchy 40 - 60% coverage	Uniform > 60% coverage	
	☐ 0	☒ 2	☐ 8	☐ 10	☐ 15	2
6: Stems/ha (understory)	< 500	501 - 800	801 - 1200	1201 - 1500	> 1500	
	☒ 2	☐ 4	☐ 6	☐ 8	☐ 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH	Mixedwood (25, 50, 75% conifer)	Conifer w/ high CBH (> 10 m)	Conifer w/ moderate CBH (5 - 9 m)	Conifer w/ low CBH (< 4 m)	
	☐ 0	Select	☐ 3	☒ 4	☐ 5	4
8: Fuel strate gap		> 10 m	6 - 9 m	3 - 6 m	< 3 m	
	☐ 0	☐ 1	☒ 4	☐ 5	☐ 5	4
9: Stems/ha (overstory)	< 400	401 - 600	601 - 900	901 - 1200	> 1200	
	☒ 0	☐ 2	☐ 3	☐ 4	☐ 5	0
10: Crown closure	< 20%	20 - 40% or deciduous overstory (any CC)	41 - 60%	61 - 80%	> 80%	
	☒ 0	☐ 1	☐ 2	☐ 5	☐ 4	0
11: Dead and dying (% of dominant and co-dominant stems)		Standing dead / partial down < 20%	Standing dead / partial down 21 - 50%	Standing dead / partial down 51 - 75%	Standing dead / partial down > 75%	
	☒ 2	☐ 5	☐ 8	☐ 10	☐ 10	2

Eco - province	Fuel Assessment Rating (Max Score 100)			
	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: **45**

Eco Province: **Southern Interior**

Fuel Assessment Rating: **LOW**

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▼







2.2 ELLISON PARK

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**
 Location: **Ellison Park**
 Coordinates: **50.177742, -119.430956**
 Elev (m): **465**
 Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **2**
 Date: **August 3, 2023**
 Time: **11:30**
 Crown - Provincial

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm ☒ 1	2 - < 5 cm ☐ 3	5 - < 10 cm ☐ 5	10 - 20 cm ☐ 3	> 20 cm ☐ 2	1
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Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs ☐ 0	Lichen, conifer shrubs ☐ 4	Dead fine fuel (< 1 cm) ☐ 8	Pinegrass ☒ 10	Sagebrush, bunch grass, juniper, Scotch broom ☐ 15	10
3: Dead and down material	Absent ☐ 0	Scattered < 10% coverage ☐ 5	10 - 25% coverage ☒ 8	26 - 50% coverage ☐ 10	> 50% coverage ☐ 15	8
4: Ladder fuel composition	Deciduous / None ☐ 0	Mixedwood ☐ 5	Other conifer ☐ 8	Elevated dead fuel ☐ 10	Spruce, pine, fir ☒ 15	15
5: Ladder fuel horizontal	Absent ☐ 0	Sparse < 10% coverage ☒ 2	Scattered 10 - 39% coverage ☐ 8	Patchy 40 - 60% coverage ☐ 10	Uniform > 60% coverage ☐ 15	2
6: Stems/ha (understory)	< 500 ☒ 2	501 - 800 ☐ 4	801 - 1200 ☐ 6	1201 - 1500 ☐ 8	> 1500 ☐ 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH ☐ 0	Mixedwood (25, 50, 75% conifer) Select ☐	Conifer w/ high CBH (> 10 m) ☐ 3	Conifer w/ moderate CBH (5 - 9 m) ☐ 4	Conifer w/ low CBH (< 4 m) ☒ 5	5
8: Fuel strate gap		> 10 m ☐ 0	6 - 9 m ☐ 1	3 - 6 m ☐ 4	< 3 m ☒ 5	5
9: Stems/ha (overstory)	< 400 ☒ 0	401 - 600 ☒ 2	601 - 900 ☐ 3	901 - 1200 ☐ 4	> 1200 ☐ 5	2
10: Crown closure	< 20% ☐ 0	20 - 40% or deciduous overstory (any CC) ☐ 1	41 - 60% ☒ 2	61 - 80% ☐ 5	> 80% ☐ 4	2
11: Dead and dying (% of dominant and co-dominant stems)		Standing dead / partial down < 20% ☒ 2	Standing dead / partial down 21 - 50% ☐ 5	Standing dead / partial down 51 - 75% ☐ 8	Standing dead / partial down > 75% ☐ 10	2

Eco - province	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: **54**
 Eco Province: **Southern Interior**
 Fuel Assessment Rating: **MODERATE**







2.3 SUNSET PROPERTIES

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**

Location: **Sunset Properties**

Coordinates: **50.207878, -119.397992**

Elev (m): **397**

Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **3**

Date: **August 3, 2023**

Time: **12:45**

Municipal

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm	2 - < 5 cm	5 - < 10 cm	10 - 20 cm	> 20 cm	
	☒ 1	☐ 3	☐ 5	☐ 3	☐ 2	1

Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs	Lichen, conifer shrubs	Dead fine fuel (< 1 cm)	Pinegrass	Sagebrush, bunch grass, juniper, Scotch broom	
	☐ 0	☐ 4	☒ 8	☐ 10	☐ 15	8
3: Dead and down material	☐ Absent	☐ Scattered < 10% coverage	☒ 10 - 25% coverage	☐ 26 - 50% coverage	☐ > 50% coverage	8
4: Ladder fuel composition	☒ Deciduous / None	☐ Mixedwood	☐ Other conifer	☐ Elevated dead fuel	☐ Spruce, pine, fir	0
5: Ladder fuel horizontal	☒ Absent	☐ Sparse < 10% coverage	☐ Scattered 10 - 39% coverage	☐ Patchy 40 - 60% coverage	☐ Uniform > 60% coverage	0
6: Stems/ha (understory)	☒ < 500	☐ 501 - 800	☐ 801 - 1200	☐ 1201 - 1500	☐ > 1500	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

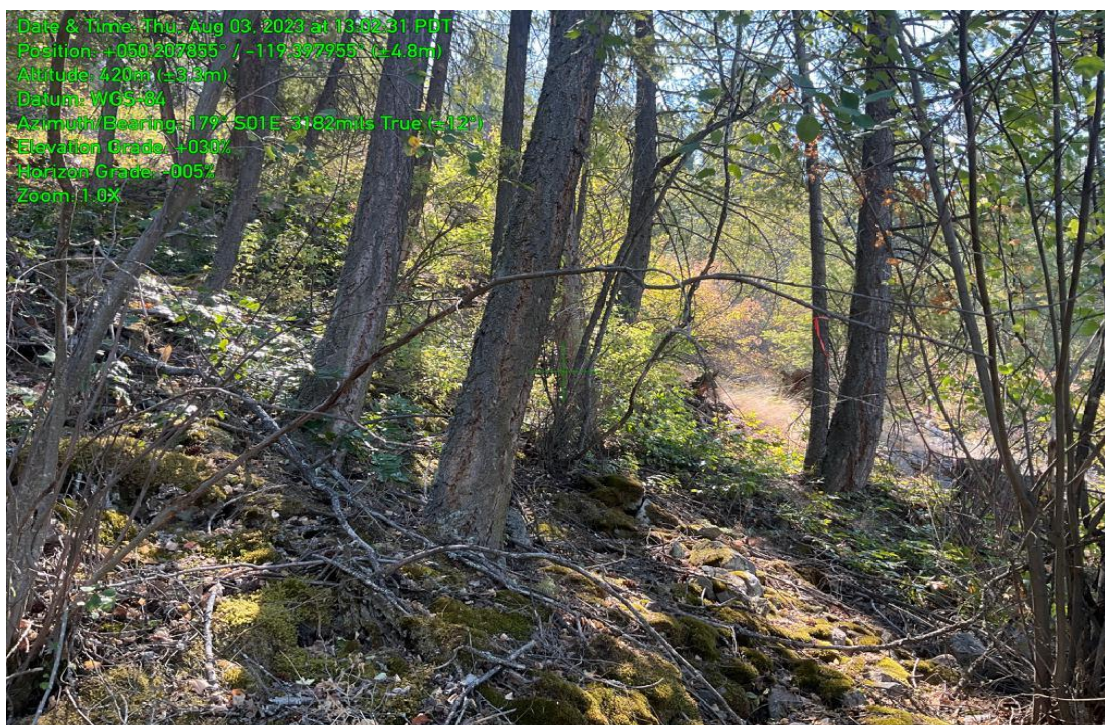
7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH	Mixedwood (25, 50, 75% conifer)	Conifer w/ high CBH (> 10 m)	Conifer w/ moderate CBH (5 - 9 m)	Conifer w/ low CBH (< 4 m)	
	☐ 0	Select ☐	☐ 3	☐ 4	☒ 5	5
8: Fuel strate gap	☐ > 10 m	☐ 6 - 9 m	☐ 3 - 6 m	☒ < 3 m	☐ 5	5
9: Stems/ha (overstory)	☒ < 400	☐ 401 - 600	☐ 601 - 900	☐ 901 - 1200	☐ > 1200	2
10: Crown closure	☐ < 20%	☐ 20 - 40% or deciduous overstory (any CC)	☒ 41 - 60%	☐ 61 - 80%	☐ > 80%	2
11: Dead and dying (% of dominant and co-dominant stems)	☒ Standing dead / partial down < 20%	☐ Standing dead / partial down 21 - 50%	☐ Standing dead / partial down 51 - 75%	☐ Standing dead / partial down > 75%	☐ 10	2

Eco - province	Fuel Assessment Rating (Max Score 100)			
	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: 35

Eco Province: **Southern Interior**

Fuel Assessment Rating: **LOW**







2.4 CANADIAN LAKEVIEW

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**
 Location: **Canadian Lakeview**
 Coordinates: **50.239149, -119.411687**
 Elev (m): **427**
 Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **4**
 Date: **August 3, 2023**
 Time: **14:00**
 Assessor & Professional Designation: **Municipal**

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm ☒ 1	2 - < 5 cm ☐ 3	5 - < 10 cm ☐ 5	10 - 20 cm ☐ 3	> 20 cm ☐ 2	1
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Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs ☐ 0	Lichen, conifer shrubs ☒ 4	Dead fine fuel (< 1 cm) ☐ 8	Pinegrass ☐ 10	Sagebrush, bunch grass, juniper, Scotch broom ☐ 15	4
3: Dead and down material	Absent ☐ 0	Scattered < 10% coverage ☒ 5	10 - 25% coverage ☐ 8	26 - 50% coverage ☐ 10	> 50% coverage ☐ 15	5
4: Ladder fuel composition	Deciduous / None ☐ 0	Mixedwood ☐ 5	Other conifer ☐ 8	Elevated dead fuel ☐ 10	Spruce, pine, fir ☒ 15	15
5: Ladder fuel horizontal	Absent ☐ 0	Sparse < 10% coverage ☐ 2	Scattered 10 - 39% coverage ☒ 8	Patchy 40 - 60% coverage ☐ 10	Uniform > 60% coverage ☐ 15	8
6: Stems/ha (understory)	< 500 ☒ 2	501 - 800 ☐ 4	801 - 1200 ☐ 6	1201 - 1500 ☐ 8	> 1500 ☐ 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH ☐ 0	Mixedwood (25, 50, 75% conifer) Select ☐	Conifer w/ high CBH (> 10 m) ☐ 3	Conifer w/ moderate CBH (5 - 9 m) ☐ 4	Conifer w/ low CBH (< 4 m) ☒ 5	5
8: Fuel state gap		> 10 m ☐ 0	6 - 9 m ☐ 1	3 - 6 m ☐ 4	< 3 m ☒ 5	5
9: Stems/ha (overstory)	< 400 ☒ 0	401 - 600 ☐ 2	601 - 900 ☐ 3	901 - 1200 ☐ 4	> 1200 ☐ 5	0
10: Crown closure	< 20% ☐ 0	20 - 40% or deciduous overstory (any CC) ☒ 1	41 - 60% ☐ 2	61 - 80% ☐ 5	> 80% ☐ 4	1
11: Dead and dying (% of dominant and co-dominant stems)		Standing dead / partial down < 20% ☒ 2	Standing dead / partial down 21 - 50% ☐ 5	Standing dead / partial down 51 - 75% ☐ 8	Standing dead / partial down > 75% ☐ 10	2

Eco - province	Fuel Assessment Rating (Max Score 100)			
	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

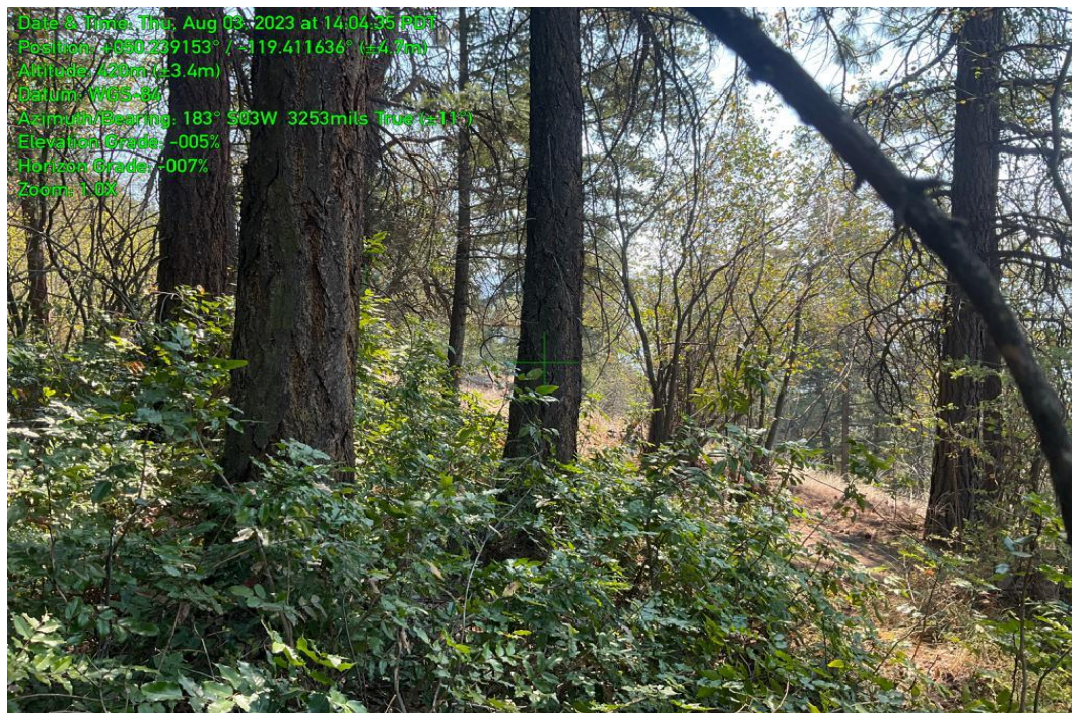
Total Score: **48**

Eco Province: **Southern Interior**

Fuel Assessment Rating: **MODERATE**

15

APPENDIX C – WILDFIRE THREAT ASSESSMENT – 2024







2.5 RESERVOIR

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**
 Location: **Reservoir**
 Coordinates: **50.198275, -119.360293**
 Elev (m): **591**
 Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **5**
 Date: **September 5, 2023**
 Time: **13:30**

Municipal

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm	2 - < 5 cm	5 - < 10 cm	10 - 20 cm	> 20 cm	
	☒ 1	☐ 3	☐ 5	☐ 3	☐ 2	1

Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs	Lichen, conifer shrubs,	Dead fine fuel (< 1 cm)	Pinegrass	Sagebrush, bunch grass, juniper, Scotch broom	
	☐ 0	☐ 4	☐ 8	☒ 10	☐ 15	10
3: Dead and down material	☒ Absent 0	☐ Scattered < 10% coverage 5	☐ 10 - 25% coverage 8	☐ 26 - 50% coverage 10	☐ > 50% coverage 15	0
4: Ladder fuel composition	☒ Deciduous / None 0	☐ Mixedwood 5	☐ Other conifer 8	☐ Elevated dead fuel 10	☐ Spruce, pine, fir 15	0
5: Ladder fuel horizontal	☒ Absent 0	☐ Sparse < 10% coverage 2	☐ Scattered 10 - 39% coverage 8	☐ Patchy 40 - 60% coverage 10	☐ Uniform > 60% coverage 15	0
6: Stems/ha (understory)	☒ < 500 2	☐ 501 - 800 4	☐ 801 - 1200 6	☐ 1201 - 1500 8	☐ > 1500 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

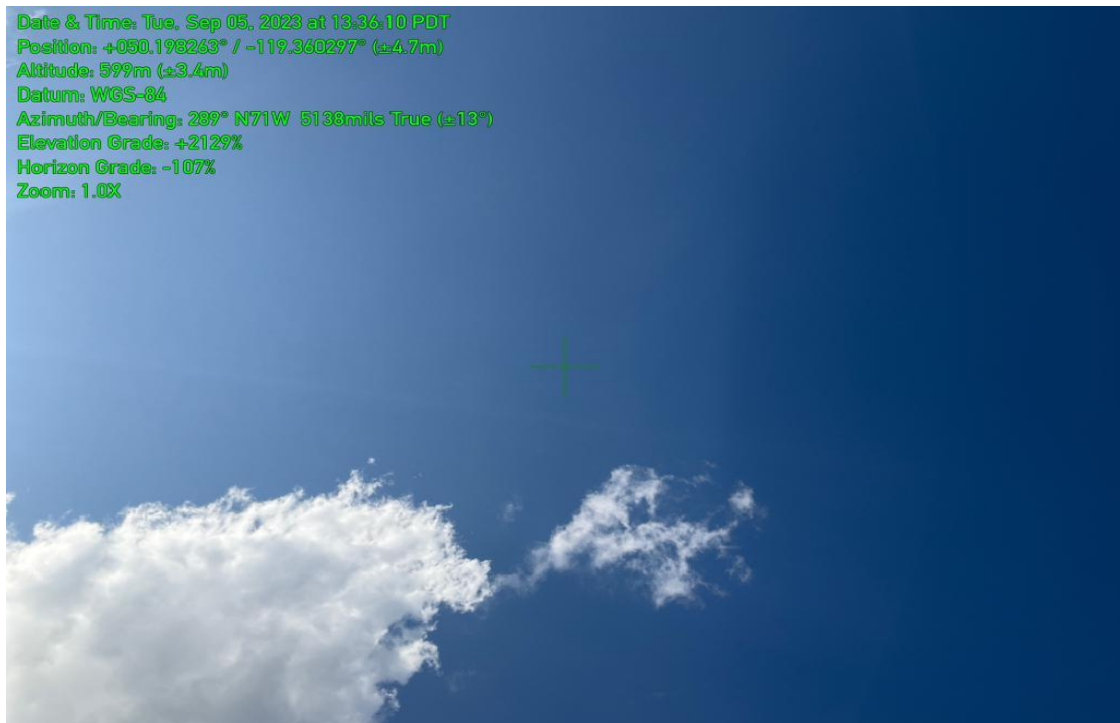
7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH	Mixedwood (25, 50, 75% conifer)	Conifer w/ high CBH (>10 m)	Conifer w/ moderate CBH (5 - 9 m)	Conifer w/ low CBH (< 4 m)	
	☒ 0	Select v	☐ 3	☐ 4	☐ 5	0
8: Fuel strate gap		☒ > 10 m 0	☐ 6 - 9 m 1	☐ 3 - 6 m 4	☐ < 3 m 5	0
9: Stems/ha (overstory)	☒ < 400 0	☐ 401 - 600 2	☐ 601 - 900 3	☐ 901 - 1200 4	☐ > 1200 5	0
10: Crown closure	☒ < 20% 0	☐ 20 - 40% or deciduous overstory (any CC) 1	☐ 41 - 60% 2	☐ 61 - 80% 5	☐ > 80% 4	0
11: Dead and dying (% of dominant and co-dominant stems)		☒ Standing dead / partial down < 20% 2	☐ Standing dead / partial down 21 - 50% 5	☐ Standing dead / partial down 51 - 75% 8	☐ Standing dead / partial down > 75% 10	2

Eco - province	Fuel Assessment Rating (Max Score 100)			
	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: 15
 Eco Province: **Southern Interior**
 Fuel Assessment Rating: **LOW**







2.6 TURTLE MOUNTAIN

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**
 Location: **Turtle Mtn**
 Coordinates: **50.267772, -119.290963**
 Elev (m): **466.81**
 Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **6**
 Date: **September 5, 2023**
 Time: **14:15**

▼

Municipal

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Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm ☒ 1	2 - < 5 cm ☐ 3	5 - < 10 cm ☐ 5	10 - 20 cm ☐ 3	> 20 cm ☐ 2	1
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Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs ☐ 0	Lichen, conifer shrubs ☐ 4	Dead fine fuel (< 1 cm) ☒ 8	Pinegrass ☐ 10	Sagebrush, bunch grass, juniper, Scotch broom ☐ 15	8
3: Dead and down material	Absent ☒ 0	Scattered < 10% coverage ☐ 5	10 - 25% coverage ☐ 8	26 - 50% coverage ☐ 10	> 50% coverage ☐ 15	0
4: Ladder fuel composition	Deciduous / None ☒ 0	Mixedwood ☐ 5	Other conifer ☐ 8	Elevated dead fuel ☐ 10	Spruce, pine, fir ☐ 15	0
5: Ladder fuel horizontal	Absent ☒ 0	Sparse < 10% coverage ☐ 2	Scattered 10 - 39% coverage ☐ 8	Patchy 40 - 60% coverage ☐ 10	Uniform > 60% coverage ☐ 15	0
6: Stems/ha (understory)	< 500 ☒ 2	501 - 800 ☐ 4	801 - 1200 ☐ 6	1201 - 1500 ☐ 8	> 1500 ☐ 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown CBH	Deciduous (< 25% conifer) All CBH ☒ 0	Mixedwood (25, 50, 75% conifer) Select ▼	Conifer w/ high CBH (> 10 m) ☐ 3	Conifer w/ moderate CBH (5 - 9 m) ☐ 4	Conifer w/ low CBH (< 4 m) ☐ 5	0
8: Fuel state gap		> 10 m ☒ 0	6 - 9 m ☐ 1	3 - 6 m ☐ 4	< 3 m ☐ 5	0
9: Stems/ha (overstory)	< 400 ☒ 0	401 - 600 ☐ 2	601 - 900 ☐ 3	901 - 1200 ☐ 4	> 1200 ☐ 5	0
10: Crown closure	< 20% ☒ 0	20 - 40% or deciduous overstory (any CC) ☐ 1	41 - 60% ☐ 2	61 - 80% ☐ 5	> 80% ☐ 4	0
11: Dead and dying (% of dominant and co-dominant stems)		Standing dead / partial down < 20% ☐ 2	Standing dead / partial down 21 - 50% ☐ 5	Standing dead / partial down 51 - 75% ☐ 8	Standing dead / partial down > 75% ☐ 10	0

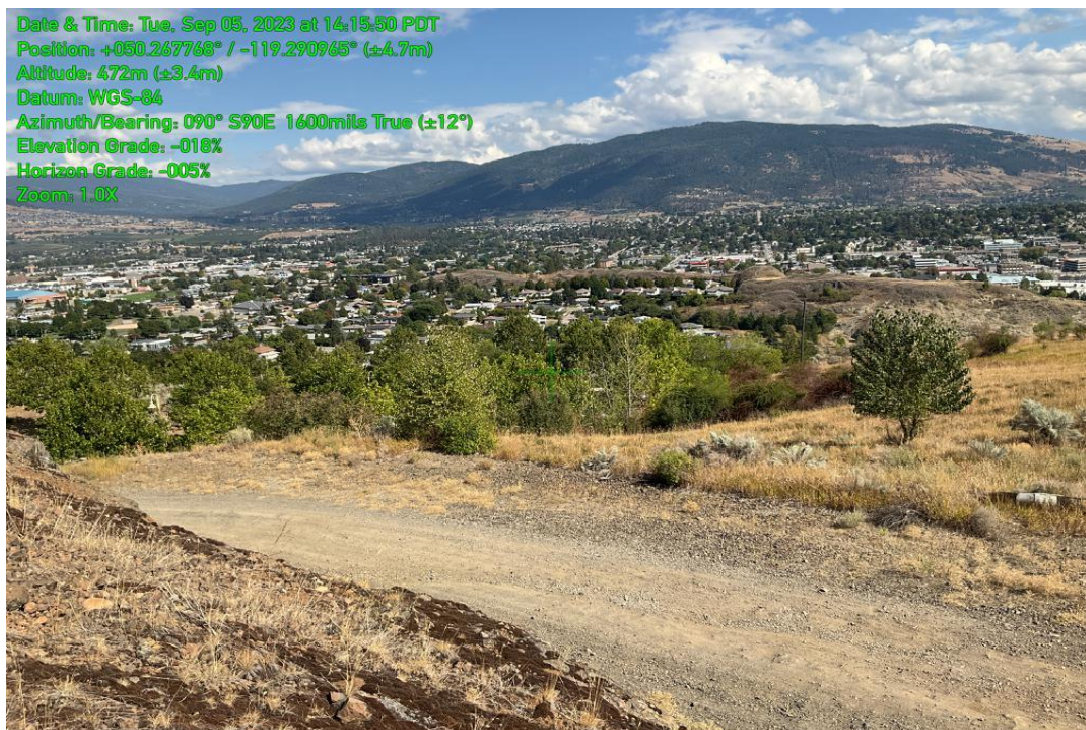
Eco - province	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: 11
 Eco Province: **Southern Interior**
 Fuel Assessment Rating: **Select**

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Date & Time: Tue, Sep 05, 2023 at 14:16:50 PDT
 Position: +050.267755° / -119.290964° (±4.7m)
 Altitude: 471m (±3.4m)
 Datum: WGS-84
 Azimuth/Bearing: 021° N21E 0373mils True (±12°)
 Elevation Grade: +447%
 Horizon Grade: -054%
 Zoom: 1.0X



Date & Time: Tue, Sep 05, 2023 at 14:16:02 PDT
 Position: +050.267766° / -119.290974° (±4.7m)
 Altitude: 471m (±3.4m)
 Datum: WGS-84
 Azimuth/Bearing: 018° N18E 0320mils True (±12°)
 Elevation Grade: +2409%
 Horizon Grade: -178%
 Zoom: 1.0X



2.7 GRAY CANAL

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**

Location: **Grey Canal Trail**

Coordinates: **50.274357, -119.286450**

Elev (m): **479**

Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **7**

Date: **September 5, 2023**

Time: **14:43**

Municipal

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm	2 - < 5 cm	5 - < 10 cm	10 - 20 cm	> 20 cm	
	☒ 1	☐ 3	☐ 5	☐ 3	☐ 2	1

Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs	Lichen, conifer shrubs	Dead fine fuel (< 1 cm)	Pinegrass	Sagebrush, bunch grass, juniper, Scotch broom	
	☐ 0	☐ 4	☐ 8	☐ 10	☒ 15	15
3: Dead and down material	☒ Absent 0	☐ Scattered < 10% coverage 5	☐ 10 - 25% coverage 8	☐ 26 - 50% coverage 10	☐ > 50% coverage 15	0
4: Ladder fuel composition	☒ Deciduous / None 0	☐ Mixedwood 5	☐ Other conifer 8	☐ Elevated dead fuel 10	☐ Spruce, pine, fir 15	0
5: Ladder fuel horizontal	☒ Absent 0	☐ Sparse < 10% coverage 2	☐ Scattered 10 - 39% coverage 8	☐ Patchy 40 - 60% coverage 10	☐ Uniform > 60% coverage 15	0
6: Stems/ha (understory)	☒ < 500 2	☐ 501 - 800 4	☐ 801 - 1200 6	☐ 1201 - 1500 8	☐ > 1500 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH	Mixedwood (25, 50, 75% conifer)	Conifer w/ high CBH (> 10 m)	Conifer w/ moderate CBH (5 - 9 m)	Conifer w/ low CBH (< 4 m)	
	☒ 0	Select	☐ 3	☐ 4	☐ 5	0
8: Fuel strate gap		☐ > 10 m 0	☐ 6 - 9 m 1	☐ 3 - 6 m 4	☐ < 3 m 5	0
9: Stems/ha (overstory)	☒ < 400 0	☐ 401 - 600 2	☐ 601 - 900 3	☐ 901 - 1200 4	☐ > 1200 5	0
10: Crown closure	☒ < 20% 0	☐ 20 - 40% or deciduous overstory (any CC) 1	☐ 41 - 60% 2	☐ 61 - 80% 5	☐ > 80% 4	0
11: Dead and dying (% of dominant and co-dominant stems)		☐ Standing dead / partial down < 20% 2	☐ Standing dead / partial down 21 - 50% 5	☐ Standing dead / partial down 51 - 75% 8	☐ Standing dead / partial down > 75% 10	0

Eco - province	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

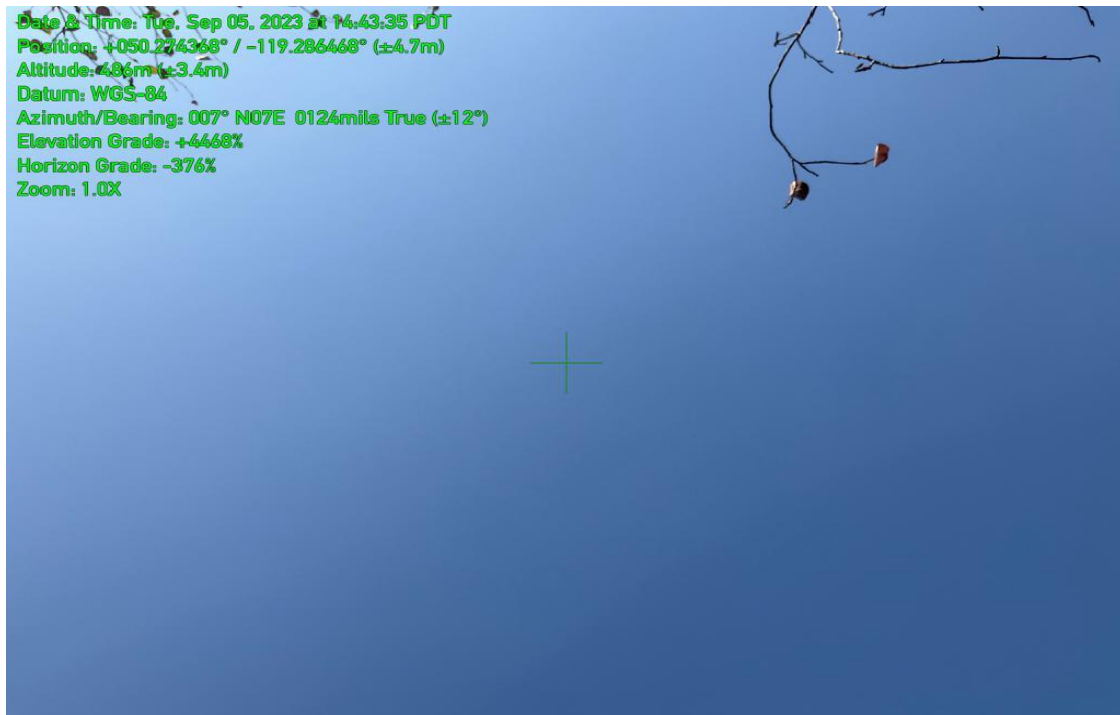
Total Score: **18**

Eco Province: **Southern Interior**

Fuel Assessment Rating: **LOW**







2.8 BECKER PARK

RESET

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)

Local Government: **City of Vernon**
 Location: **Becker Park**
 Coordinates: **50.269586, -119.278893**
 Elev (m): **405**
 Assessor & Professional Designation: **L. Curran, FIT**

Plot #: **8**
 Date: **September 5, 2023**
 Time: **15:03**

▼

Municipal

▼

Component: Forest Floor and Organic Layer

1: Depth of organic layer (cm)	1 - < 2 cm	2 - < 5 cm	5 - < 10 cm	10 - 20 cm	> 20 cm	
	☒ 1	☐ 3	☐ 5	☐ 3	☐ 2	1

Component: Surface and Ladder Fuel (0.1 - 3.0 m in height)

2: Surface fuel composition	Moss, herbs, deciduous shrubs	Lichen, conifer shrubs	Dead fine fuel (< 1 cm)	Pinegrass	Sagebrush, bunch grass, juniper, Scotch broom	
	☐ 0	☐ 4	☐ 8	☒ 10	☐ 15	10
3: Dead and down material	☒ Absent 0	☐ Scattered < 10% coverage 5	☐ 10 - 25% coverage 8	☐ 26 - 50% coverage 10	☐ > 50% coverage 15	0
4: Ladder fuel composition	☒ Deciduous / None 0	☐ Mixedwood 5	☐ Other conifer 8	☐ Elevated dead fuel 10	☐ Spruce, pine, fir 15	0
5: Ladder fuel horizontal	☒ Absent 0	☐ Sparse < 10% coverage 2	☐ Scattered 10 - 39% coverage 8	☐ Patchy 40 - 60% coverage 10	☐ Uniform > 60% coverage 15	0
6: Stems/ha (understory)	☒ < 500 2	☐ 501 - 800 4	☐ 801 - 1200 6	☐ 1201 - 1500 8	☐ > 1500 10	2

Component: Stand Structure and Composition (Dominant and co-dominant stems)

7: Overstory composition / Crown Base Height	Deciduous (< 25% conifer) All CBH	Mixedwood (25, 50, 75% conifer)	Conifer w/ high CBH (> 10 m)	Conifer w/ moderate CBH (5 - 9 m)	Conifer w/ low CBH (< 4 m)	
	☒ 0	Select ▼	☐ 3	☐ 4	☐ 5	0
8: Fuel strate gap		☐ > 10 m 0	☐ 6 - 9 m 1	☐ 3 - 6 m 4	☐ < 3 m 5	0
9: Stems/ha (overstory)	☒ < 400 0	☐ 401 - 600 2	☐ 601 - 900 3	☐ 901 - 1200 4	☐ > 1200 5	0
10: Crown closure	☒ < 20% 0	☐ 20 - 40% or deciduous overstory (any CC) 1	☐ 41 - 60% 2	☐ 61 - 80% 5	☐ > 80% 4	0
11: Dead and dying (% of dominant and co-dominant stems)		☐ Standing dead / partial down < 20% 2	☐ Standing dead / partial down 21 - 50% 5	☐ Standing dead / partial down 51 - 75% 8	☐ Standing dead / partial down > 75% 10	0

Eco - province	Fuel Assessment Rating (Max Score 100)			
	Low	Moderate	High	Extreme
Coast and Mountains, Georgia Depression	0 - 41	42 - 57	58 - 69	70 - 100
Central Interior	0 - 43	44 - 60	61 - 72	73 - 100
Southern Interior	0 - 47	48 - 65	66 - 79	80 - 100
Southern Interior Mountains	0 - 47	48 - 65	66 - 79	80 - 100
Sub Boreal Interior	0 - 43	44 - 60	61 - 72	73 - 100
Boreal Plains	0 - 39	40 - 53	54 - 7264	65 - 100
Northern Boreal Mountains, Taiga Plains	0 - 39	40 - 53	54 - 64	65 - 100

Total Score: **13**
 Eco Province: **Southern Interior**
 Fuel Assessment Rating: **LOW**

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Date & Time: Tue, Sep 05, 2023 at 15:04:57 PDT
Position: +050.269589° / -119.278931° (±4.8m)
Altitude: 410m (±3.3m)
Datum: WGS-84
Azimuth/Bearing: 282° N78W 5013mils True (±12°)
Elevation Grade: +1659%
Horizon Grade: -042%
Zoom: 1.0X

