

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002049 – Riverine Sandflats

Herbaceous Gravel Bar

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Tallies
DBH > 4in	0.00	0.00	Sound	0.0	0
DBH 2-4 in	0.00	0.00	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model Nb9
NA	5	

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.00	0
Litter	0.00	0
Fuel	0.00	0

Count of Fuel Transects: 1

Fuel Load (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002058: White Oak - Red Oak - Sugar Maple Mesic Forest

Local Common Name: Mixed Hardwood Mesic Upland Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	91.52	21.05	Sound	4.3	15
DBH 2-4 in	15.45	394.74	Rotten	6.7	10

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	T16

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	1.73	40
Litter	0.88	83
Fuel	1.26	85

Count of Fuel Transects: 24

Fuel Load (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.72	0.25	1.48	3.47	2.10	1.75	11.77
Min	1.40	0.06	0.00	0.00	0.00	0.00	1.46
Max	0.62	0.07	2.17	2.08	15.50	0.00	20.44

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002060: Sugar Maple-Oak-Bitternut Hickory Mesic Bottomland Forest

Local Common Name: Mesic Bottomland Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	134.00	161.94	Sound	4.9	5
DBH 2-4 in	10.28	278.34	Rotten	8.3	7

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.02	23
Litter	0.54	76
Fuel	2.14	83

Count of Fuel Transects: 12

Fuel Load (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.68	0.22	1.54	3.86	2.08	5.17	14.54
Min	0.62	0.16	0.00	0.00	0.00	0.00	0.18
Max	0.93	0.11	1.30	0.00	0.00	37.54	39.89

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002066: White Oak/Dogwood Dry-Mesic Forest

Local Common Name: White Oak/Dogwood Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	119.57	175.79	Sound	6.3	37
DBH 2-4 in	41.51	679.74	Rotten	5.3	23

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	T16

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.31	61
Litter	1.02	91
Fuel	1.42	94

Count of Fuel Transects: 57

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.02	0.29	1.59	2.87	6.38	2.14	16.44
Min	0.46	0.10	1.41	0.00	0.00	0.00	1.97
Max	2.79	0.43	1.31	0.00	75.98	2.37	82.89

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002070: White Oak-Mixed Oak Dry-Mesic Alkaline Forest

Local Common Name: White Oak Dolomite Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	108.28	191.78	Sound	5.3	39
DBH 2-4 in	30.71	726.61	Rotten	5.6	23

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	T16

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.24	49
Litter	1.01	88
Fuel	1.40	90

Count of Fuel Transects: 61

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.12	0.32	1.54	2.57	3.96	1.46	12.98
Min	2.09	0.16	1.33	0.00	0.00	0.00	3.59
Max	5.04	0.24	2.28	2.17	37.59	19.79	67.11

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002075 Midwest Post Oak-Blackjack Oak Forest

Local Common Name: Post, Black, Black-jack Oak Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Tallied
DBH > 4in	113.38	247.98	Sound	8.0	1
DBH 2-4 in	17.46	394.74	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	T19

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.49	78
Litter	1.54	92
Fuel	2.00	92

Count of Fuel Transects: 4

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	4.78	0.18	1.13	1.56	2.80	0.00	10.46
Min	3.49	0.12	0.00	0.00	0.00	0.00	3.61
Max	5.42	0.12	0.00	0.00	11.19	0.00	16.74

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC 2075i-Midwest Post Oak - Blackjack Oak Forest – Igneous Phase

Local Common Name: Post, Black, Blackjack Oak Forest on Igneous Knobs

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	70.90	242.92	Sound	0.0	0
DBH 2-4 in	33.66	753.04	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.41	70
Litter	0.97	95
Fuel	1.11	95

Count of Fuel Transects: 4

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.00	0.21	1.99	2.63	0.00	0.00	7.84
Min	2.01	0.20	1.31	0.00	0.00	0.00	3.53
Max	3.56	0.49	5.32	8.46	0.00	0.00	17.83

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002076 Black Oak-White Oak-Hickory Forest

Local Common Name: Mixed Oak-Hickory Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuel	Mean Diameter	Number of Pieces Talled
DBH > 4in	139.18	179.75	Sound	5.6	163
DBH 2-4 in	689.76	34.16	Rotten	5.9	151

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.52	74
Litter	1.16	94
Fuel	1.54	95

Count of Fuel Transects: 268

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.60	0.26	1.93	3.24	4.68	2.38	16.09
Min	1.86	0.26	0.00	0.00	0.00	0.00	2.12
Max	2.87	0.32	0.00	8.96	155.09	4.86	172.09

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002108 Chiquapin Oak-Red Cedar Dry Alkaline Forest

Local Common Name: Cedar Hardwood Woodland

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuel	Mean Diameter	Number of Pieces Tallied
DBH > 4in	86.96	248.87	Sound	4.0	5
DBH 2-4 in	27.57	652.54	Rotten	5.5	9

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.32	50
Litter	0.89	84
Fuel	1.46	86

Count of Fuel Transects: 29

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.76	0.27	1.10	2.72	0.49	1.12	8.47
Min	1.01	0.14	0.00	0.00	0.00	1.87	3.02
Max	5.27	0.14	1.84	2.20	0.00	14.17	23.62

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002143 Chinquapin Oak-Ash/Little Bluestem Woodland

Local Common Name: Chinkapin Oak Ash Woodland

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuel	Mean Diameter	Number of Pieces Talled
DBH > 4in	70.74	186.68	Sound	5.6	5
DBH 2-4 in	31.75	814.78	Rotten	7.7	3

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.27	43
Litter	0.92	72
Fuel	1.43	74

Count of Fuel Transects: 20

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.85	0.32	1.27	1.79	1.67	1.06	8.97
Min	0.70	0.35	0.95	0.00	0.00	0.00	2.00
Max	0.00	0.12	0.46	0.00	13.77	9.49	23.84

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002149 Post Oak-Blackjack Oak/Little Bluestem Woodland

Local Common Name: Post-Black-(Blackjack) Oak Woodland

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuel	Mean Diameter	Number of Pieces Talled
DBH > 4in	79.65	206.60	Sound	5.0	11
DBH 2-4 in	24.85	558.13	Rotten	4.0	2

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.29	56
Litter	0.84	83
Fuel	1.59	85

Count of Fuel Transects: 22

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.61	0.21	1.43	2.64	3.13	0.18	10.20
Min	1.40	0.44	0.92	0.00	0.00	0.00	2.76
Max	6.12	0.12	0.91	6.51	48.45	0.00	62.12

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002243 Ozark Igneous Glade

Local Common Name: Igneous Glade

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	3.54	10.12	Sound	7.0	1
DBH 2-4 in	0.00	0.00	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
C	1	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.21	20
Litter	0.34	23
Fuel	1.80	50

Count of Fuel Transects: 2

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.05	0.01	0.00	0.00	3.94	0.00	4.99
Min	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Max	2.09	0.00	0.00	0.00	7.87	0.00	9.96

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002393 Shortleaf Pine-Oak Dry Woodland

Local Common Name: Pine, Post Oak, Black Oak Woodland

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	99.19	206.48	Sound	6.0	1
DBH 2-4 in	15.37	331.98	Rotten	14.0	1

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	T19

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.51	51
Litter	1.00	93
Fuel	1.10	91

Count of Fuel Transects: 7

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.09	0.27	1.88	2.66	1.03	3.28	12.21
Min	2.02	0.19	2.25	0.00	0.00	0.00	4.45
Max	3.02	0.29	5.02	2.40	0.00	22.96	33.69

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002398 Ozark Dolomite Glade

Local Common Name: Dolomite Glade

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	0	0	Sound		
DBH 2-4 in	0	0	Rotten		

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
C	2	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff		
Litter	1.4	
Fuel	8.2	

Fuel Data Not Collected within OZAR but Obtained from Previously Sampled Dolomite Glades at Meremac State Park, Savanna Ridge

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.98	0.04	0.22	0.25	0.88	0.0	3.37
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002399 Ozark Black Oak-Scarlet Oak Forest

Local Common Name: Black Oak, Scarlet Oak Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Tallied
DBH > 4in	139.33	175.79	Sound	5.8	49
DBH 2-4 in	22.03	528.56	Rotten	6.0	38

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	9

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.63	76
Litter	1.22	92
Fuel	1.73	93

Count of Fuel Transects: 73

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.79	0.24	1.96	3.30	5.71	1.56	16.56
Min	1.78	0.16	0.43	0.00	0.00	0.00	2.38
Max	4.96	0.54	0.93	11.12	154.03	1.24	172.82

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002400 Shortleaf Pine/Blueberry Forest

Local Common Name: Pine/Blueberry Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	167.86	417.00	Sound	3.0	1
DBH 2-4 in	13.56	344.13	Rotten	4.8	7

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	Tu2

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.92	92
Litter	0.91	96
Fuel	1.37	96

Count of Fuel Transects: 5

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.82	0.23	2.05	1.71	0.29	4.42	11.52
Min	3.02	0.32	1.40	0.00	0.00	0.00	4.74
Max	3.18	0.19	1.37	4.37	0.00	16.87	25.97

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002401 Shortleaf Pine-Black Oak Forest

Local Common Name: Pine, Black, Scarlet Oak Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in	137.11	207.83	Sound	6.8	28
DBH 2-4 in	26.93	572.20	Rotten	6.2	22

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	T16

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.69	82
Litter	1.30	94
Fuel	1.71	95

Count of Fuel Transects: 36

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	4.04	0.30	1.64	3.39	7.69	2.15	19.20
Min	2.40	0.23	0.44	0.00	0.00	0.00	3.08
Max	3.02	0.35	0.89	4.26	159.39	0.00	167.91

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002404 Ozark Fen

Local Common Name: Ozark Fen

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Tallied
DBH > 4in	6.32	20.24	Sound	3.8	6
DBH 2-4 in	5.12	121.46	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
T	2	2

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.03	70
Litter	0.20	80
Fuel	3.75	90

Count of Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	0.62	0.04	0.87	2.08	15.50	0.00	19.11
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002410 Ash-Oak-Sycamore Mesic Bottomland Forest

Local Common Name: Ash, Oak, Sycamore Floodplain Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	108.38	149.65	Sound	6.2	11
DBH 2-4 in	16.96	445.34	Rotten	7.6	8

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.02	7
Litter	0.27	49
Fuel	2.39	58

Count of Transects: 14

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	0.82	0.25	1.43	2.08	5.71	4.08	14.37
Min	0.78	0.14	0.87	0.00	0.00	0.00	1.78
Max	0.70	0.32	1.73	0.00	1.44	35.84	40.03

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG002425 Blackjack Oak Xeric Scrub Woodland

Local Common Name: Blackjack Oak Scrub Woodland

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	50.17	255.57	Sound	0.0	0
DBH 2-4 in	28.75	668.02	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.69	80
Litter	1.66	88
Fuel	2.90	88

Count of Fuel Transects: 3

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	5.14	0.13	0.90	4.29	0.00	0.00	10.46
Min	2.87	0.02	0.00	6.26	0.00	0.00	9.15
Max	9.61	0.21	0.50	2.37	0.00	0.00	12.69

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG003899 Carolina Willow Shrubland

Local Common Name: Willow-Sycamore Gravel Bar

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	0.00	0.00	Sound	0.0	0
DBH 2-4 in	0.00	0.00	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
O	5	Nb9

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.00	0
Litter	0.00	0
Fuel	0.00	0

Count of Fuel Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG005033 Box Elder Forest

Local Common name: Box Elder Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	90.27	192.31	Sound	4.5	8
DBH 2-4 in	17.19	395.86	Rotten	4.8	3

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.00	11
Litter	0.20	48
Fuel	4.07	74

Count of Fuel Transects: 15

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	0.61	0.12	0.87	1.94	1.83	0.57	4.07
Min	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Max	0.16	0.00	1.74	6.23	8.71	0.00	16.83

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG007334 Sycamore-Silver Maple Floodplain Forest

Local Common Name: Sycamore Floodplain Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	83.38	152.83	Sound	7.3	17
DBH 2-4 in	11.65	264.99	Rotten	5.1	10

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.02	7
Litter	0.42	55
Fuel	1.26	57

Count of Fuel Transects: 19

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.32	0.22	1.05	1.53	9.50	0.76	14.38
Min	0.00	0.25	2.17	0.00	0.00	0.00	2.42
Max	1.62	0.25	0.87	2.08	43.46	1.05	48.87

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

USNVC CEG007489 Interior Highlands Shortleaf Pine-Oak Dry-Mesic Forest

Local Common Name: Pine, Mixed Oak Forest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	137.80	203.99	Sound	5.2	22
DBH 2-4 in	43.10	675.80	Rotten	6.2	20

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	T16

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.61	77
Litter	1.18	93
Fuel	1.65	94

Count of Fuel Transects: 51

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.66	0.27	1.85	2.92	2.38	1.50	12.57
Min	1.78	0.30	0.45	0.00	0.00	0.00	2.53
Max	5.89	0.17	2.74	4.37	0.00	22.96	36.12

Appendix 18. USNVC Community Fuel Loading Photo Key



ALTERED COMMUNITY TYPES

Appendix 18. USNVC Community Fuel Loading Photo Key

SA01 – Oak-Hickory Shelterwood/Select Harvest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	5	14
DBH 2-4 in			Rotten	3.9	6

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	10	Sh3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.40	60
Litter	1.04	90
Fuel	3.02	94

Count of Fuel Transects: 8

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	3.24	0.26	1.00	4.24	8.15	0.98	17.88
Min	3.72	0.26	0.445	0.00	0.00	0.00	4.44
Max	4.73	0.32	0.00	0.00	28.72	1.87	35.64

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key



Appendix 18. USNVC Community Fuel Loading Photo Key

SA02 – Oak-Hickory Regeneration Stand Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fules	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	6.9	5
DBH 2-4 in			Rotten	10.6	11

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tl8

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.62	68
Litter	1.36	90
Fuel	2.24	96

Count of Transects: 7

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	4.23	0.34	2.67	2.73	6.75	4.57	21.30
Min	3.49	0.23	0.00	0.00	0.00	0.00	3.72
Max	4.96	0.33	1.83	0.00	47.25	26.13	80.51

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key



Appendix 18. USNVC Community Fuel Loading Photo Key

SA03 – Oak-Hickory Pole Stand Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	5.5	2
DBH 2-4 in			Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tl8

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.54	90
Litter	0.91	95
Fuel	0.96	95

Count of Fuel Transects: 2

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.83	0.46	1.59	0.00	5.18	0.00	10.06
Min	2.56	0.46	0.87	0.00	0.00	0.00	3.89
Max	3.1	0.46	2.31	0.00	10.37	0.00	16.24

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key



Appendix 18. USNVC Community Fuel Loading Photo Key

SA04 – Pine-Oak Shelterwood/Select Harvest

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	0.0	0
DBH 2-4 in			Rotten	4.0	1

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Sh3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.05	20
Litter	0.35	100
Fuel	0.63	100

Count of Fuel Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.08	0.31	1.36	2.17	0.00	1.87	6.80
Min							
Max							

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA05 – Pine-Oak Regeneration Stand

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	0.0	0
DBH 2-4 in			Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	9	Tl8

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.33	70
Litter	1.42	90
Fuel	1.42	90

Count of Fuel Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	4.42	0.45	8.71	6.24	0.00	0.00	19.82
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key

SA07 – Pine Plantation/Timber Management Forest Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	0.0	0
DBH 2-4 in			Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	Tu3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.21	25
Litter	0.78	100
Fuel	0.78	100

Count of Fuel Transects: 2

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.40	0.26	0.22	1.05	0.00	0.00	3.93
Min	1.78	0.20	0.43	0.00	0.00	0.00	2.42
Max	3.02	0.32	0.00	2.10	0.00	0.00	5.44

Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA08 – Pine Pole Stand

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in			Sound	0.0	0
DBH 2-4 in			Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
P	9	Tl8

Ground Fuel Type	Depth (inches)	Frequency (%) occurrence)
Duff	0.45	80
Litter	0.88	100
Fuel	0.93	100

Count of Fuel Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.71	0.57	3.48	0.00	0.00	0.00	6.76
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA09 – Deciduous Shrubby Old Field

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	84.36	253.04	Sound	0.0	0
DBH 2-4 in	25.85	566.80	Rotten	0.0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
D	9	Gs3

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.19	67
Litter	0.59	100
Fuel	0.97	100

Count of Fuel Transects: 3

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.83	0.08	0.14	2.07	0.00	0.00	4.14
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	1.94	0.25	0.43	6.23	0.00	0.00	8.85

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA10 – Deciduous Forested Old Field

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Tallied Pieces
DBH > 4in	60.72	199.67	Sound	5.9	6
DBH 2-4 in	15.12	393.82	Rotten	6.4	10

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.20	47
Litter	0.77	94
Fuel	8.99	96

Count of Fuel Transects: 20

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.39	0.25	1.53	3.54	1.93	1.93	11.58
Min	0.62	0.07	0.00	0.00	0.00	0.00	0.69
Max	1.63	0.09	2.17	4.15	15.98	0.00	24.02

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA11 – Pine-Deciduous Wooded Old Field

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Talled
DBH > 4in			Sound	5	1
DBH 2-4 in			Rotten	0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	T12

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.05	10
Litter	0.65	80
Fuel	0.70	80

Count of Fuel Transects: 1

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	2.02	0.23	1.30	4.15	3.99	0.00	11.69
Min							
Max							

Appendix 18. USNVC Community Fuel Loading Photo Key



Appendix 18. ONSR USNVC Community Fuel Loading Photo Key

SA15 – Cedar Old Field

Overstory Condition

Tree Size	Basal Area (ft ² /Acre)	Density (#/Acre)	1000 Hr Fuels	Mean Diameter	Number of Pieces Tallied
DBH > 4in	92.25	222.67	Sound	0	0
DBH 2-4 in	15.09	425.10	Rotten	0	0

NFDRS Fuel Model	Anderson Fuel Model	Comprehensive Fuel Model
E/R	8	Tl2

Ground Fuel Type	Depth (inches)	Frequency (% occurrence)
Duff	0.16	75
Litter	0.40	95
Fuel	0.69	100

Count of Fuel Transects: 2

Fuel Loading (Tons/Acre)							
	Litter	1Hr	10Hr	100Hr	1000 Hr		Total Fuel Load
					Solid	Rotten	
Mean	1.24	0.08	0.69	0.00	0.00	0.00	2.01
Min	1.71	0.02	0.00	0.00	0.00	0.00	1.73
Max	0.78	0.14	1.39	0.00	0.00	0.00	2.31

Appendix 18. USNVC Community Fuel Loading Photo Key

