Utah Juniper: Control Pre-treatment Phase 1

Greenville		
Bench		
1804 m 59	919 ft	
6/13/201	17	
Cover (9	%)	
Trees	15	
Shrubs	19	
Perennial Grass	9	
Annual Grass	2	
Bare Ground	47	



Onaqui

1712 m | 5617 ft 6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8

Grass 4

Annual Grass 4

Bare Ground 36



Utah Juniper: Control Pre-treatment Phase 1

Variable	Category	Component	10th	Mean	90th
	Trees	JUOS	2	8	16
		PIED	0	2	6
	Shrubs	ARTRW8	7	15	24
	Siliubs	CHVI8	0	1	5
Total Cover (%)		Perennial Grass	10	18	26
(70)	Herbaceous	Annual Grass	<1	9	21
		Forb	1	23	40
	Litter & Duff	Interspace Litter	34	45	57
	Bare Ground	Bare Ground	13	23	35
	Trees	JUOS	22	96	200
Density	riees	PIED	0	15	44
(#/acre)	Shrubs	ARTRW8	1269	2943	5039
	Siliubs	CHVI8	0	840	2902
	Shrubs	ARTW8	15	20	26
Height	Siliubs	CHVI8	10	11	12
(in)	Herbaceous	Grass	5	9	14
		Forb	3	4	5
	Shrubs	ARTRW8	1.01	1.99	3.78
		CHVI8	0	<0.01	0
	Herbaceous	Live	0.04	0.12	0.25
	Tierbaceous	Dead	0	0.02	0.04
Fuel Loading		10-hr	0.15	0.36	0.56
(tons/acre)	Downed	100-hr	0.19	0.69	1.22
	Woody Debris	1000-hr sound	0	0.21	0.69
		1000-hr rotten	0	0.15	0.38
	Litter & Duff	Interspace Litter	0.05	0.15	0.29
	Litter & Dull	Tree Litter + Duff	1.32	3.08	5.13
Dulle Danaid	Shrubs	ARTRW8	0.0230	0.0348	0.0439
Bulk Density (lbs/ft³)	Siliubs	CHVI8		0	
(IDS/IC)	Herbaceous	Live + Dead	0.0059	0.0142	0.0287

Utah Juniper: Prescribed Fire Pre-treatment Phase 1

Greenville Bench		
1836 m (6024 ft) 6/18/2017		
Cover (%	%)	
Trees	2	
Shrubs	17	
Perennial Grass	36	
Annual Grass	15	
Bare Ground	27	



Onaqui

1712 m | 5617 ft
6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8
Grass 8

Annual Grass <1

Bare Ground 36



Utah Juniper: Prescribed Fire Pre-treatment Phase 1

Variable	Category	Component	10th	Mean	90th
	Tropo	JUOS	0	<1	2
	Trees	PIED	0	<1	<1
	Charles	ARTRW8	1	5	10
	Shrubs	CHVI8	0	3	9
Total Cover (%)		Perennial Grass	12	34	48
(70)	Herbaceous	Annual Grass	8	18	32
		Forb	6	26	53
	Litter & Duff	Interspace Litter	39	52	62
	Bare Ground	Bare Ground	9	16	24
	Trees	JUOS	0	1	4
Density	rrees	PIED	0	5	28
(#/acre)	Chruba	ARTRW8	125	2078	5757
	Shrubs	CHVI8	0	1620	4149
	Shrubs	ARTW8	13	21	26
Height	Snrubs	CHVI8	8	11	15
(in)	Herbaceous	Grass	7	9	11
		Forb	1	5	10
	Shrubs	ARTRW8	0.07	0.58	1.68
		CHVI8	0	0.07	0.22
	Herbaceous	Live	0.20	0.34	0.52
	nerbaceous	Dead	<0.01	0.04	0.07
Fuel Loading		10-hr	0.18	0.34	0.51
(tons/acre)	Downed	100-hr	0.10	0.52	0.89
	Woody Debris	1000-hr sound	0	0.19	0.45
		1000-hr rotten	0	0.08	0.23
	Litter & Duff	Interspace Litter	0.08	0.17	0.27
	Litter & Dull	Tree Litter + Duff	0	0.07	0.27
Dulle Danaid	Shrube	ARTRW8	0.0007	0.0108	0.0243
Bulk Density (lbs/ft³)	Shrubs	CHVI8	0	0.0027	0.0092
(105/11°)	Herbaceous	Live + Dead	0.0178	0.0320	0.0525

Utah Juniper: Cutting Pre-treatment Phase 1

Onaqui			
1736 m 5696 ft 8/22/2016			
Cover (%	6)		
Trees	0		
Shrubs	24		
Perennial Grass	19		
Annual Grass	36		
Bare Ground	21		



Scipio

1750 m | 5741 ft 7/26/2017

Cover (%)

Trees 1

Shrubs 26

Perennial 39

Grass 3

Annual Grass 3

Bare Ground 9



Utah Juniper: Cutting Pre-treatment Phase 1

Variable	Category	Component	10th	Mean	90th
	Troop	JUOS	0	<1	1
	Trees	PIED	0	<1	<1
	Charles	ARTRW8	13	19	22
Tatalo	Shrubs	CHVI8	0	5	13
Total Cover (%)		Perennial Grass	19	26	39
(70)	Herbaceous	Annual Grass	2	16	36
		Forb	2	19	47
	Litter & Duff	Interspace Litter	36	55	71
	Bare Ground	Bare Ground	8	18	29
	Trees	JUOS	4	44	78
Density	riees	PIED	0	14	57
(#/acre)	Shrubs	ARTRW8	1953	3458	4678
	Shrubs	CHVI8	0	2983	8743
	Shrubs	ARTW8	16	22	27
Height	Snrubs	CHVI8	8	11	15
(in)	Herbaceous	Grass	8	10	15
		Forb	3	4	5
	Shrubs	ARTRW8	0.86	2.35	4.31
		CHVI8	0	0.10	0.41
	Herbaceous	Live	0.08	0.16	0.35
	Herbaceous	Dead	<0.01	0.04	0.10
Fuel Loading		10-hr	0.12	0.60	1.37
(tons/acre)	Downed	100-hr	0.39	1.12	2.07
	Woody Debris	1000-hr sound	0	0.73	1.56
		1000-hr rotten	0	0.08	0.22
	Litter & Duff	Interspace Litter	0.09	0.20	0.33
	Litter & Duil	Tree Litter + Duff	<0.01	0.04	0.08
Bulls Danais	Shrube	ARTRW8	0.0152	0.0395	0.0746
Bulk Density (lbs/ft³)	Shrubs	CHVI8	0	0.0039	0.0167
(105/11°)	Herbaceous	Live + Dead	0.0106	0.0174	0.0301

Utah Juniper: Mastication Pre-treatment Phase 1

Greenville Bench				
1768 m 5801 ft 6/29/2017				
Cover (%	6)			
Trees	<1			
Shrubs	16			
Perennial Grass	28			
Annual Grass	5			
Bare Ground	30			



Scipio

1694 m | 5558 ft
7/28/2017

Cover (%)

Trees 0

Shrubs 13

Perennial 46
Grass 46

Annual Grass <1

Bare Ground 21

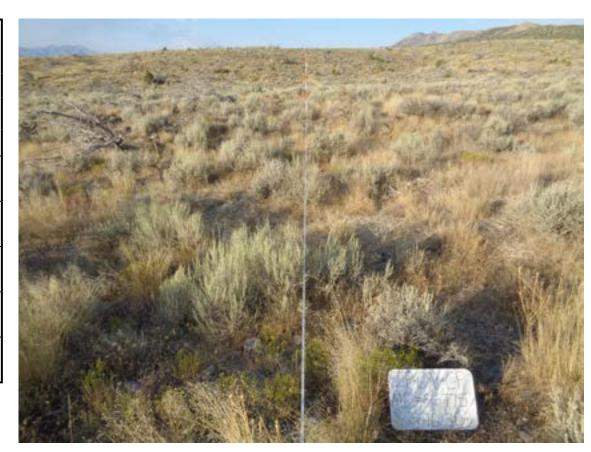


Utah Juniper: Mastication **CHANGE**Pre-treatment Phase 1

Variable	Category	Component	10th	Mean	90th
	Troop	JUOS	0	<1	1
	Trees	PIED	0	<1	<1
	Chruba	ARTRW8	13	19	22
	Shrubs	CHVI8	0	5	13
Total Cover (%)		Perennial Grass	19	26	39
(70)	Herbaceous	Annual Grass	2	16	36
		Forb	2	19	47
	Litter & Duff	Interspace Litter	36	55	71
	Bare Ground	Bare Ground	8	18	29
	Trees	JUOS	4	44	78
Density	11665	PIED	0	14	57
(#/acre)	Shrubs	ARTRW8	1953	3458	4678
	Siliubs	CHVI8	0	2983	8743
	Shrubs	ARTW8	16	22	27
Height		CHVI8	8	11	15
(in)	Herbaceous	Grass	8	10	15
		Forb	3	4	5
	Shrubs	ARTRW8	0.86	2.35	4.31
	Siliubs	CHVI8	0	0.10	0.41
	Herbaceous	Live	0.08	0.16	0.35
	Herbaceous	Dead	<0.01	0.04	0.10
Fuel Loading		10-hr	0.12	0.60	1.37
(tons/acre)	Downed	100-hr	0.39	1.12	2.07
	Woody Debris	1000-hr sound	0	0.73	1.56
		1000-hr rotten	0	0.08	0.22
	Litter & Duff	Interspace Litter	0.09	0.20	0.33
	LILLEI & DUII	Tree Litter + Duff	<0.01	0.04	0.08
Dulle Danaite	Shrubs	ARTRW8	0.0152	0.0395	0.0746
Bulk Density (lbs/ft³)	Siliubs	CHVI8	0	0.0039	0.0167
(11/6/11)	Herbaceous	Live + Dead	0.0106	0.0174	0.0301

Utah Juniper: Control **CHANGE**Pre-treatment Phase 1: Photo Series

Onaqui		
1736 m 5696 ft 8/22/2016		
Cover (%	%)	
Trees	0	
Shrubs	24	
Perennial Grass	19	
Annual Grass	36	
Bare Ground	21	



Scipio

1750 m | 5741 ft 7/26/2017

Cover (%)

Trees 1

Shrubs 26

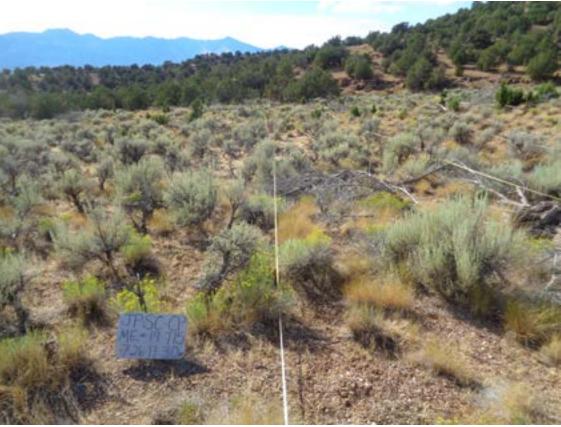
Perennial 39

Grass 3

Annual Grass 3

Bare 9

Ground 9



Utah Juniper: Control**CHANGE**Pre-treatment Phase 1: Photo Series

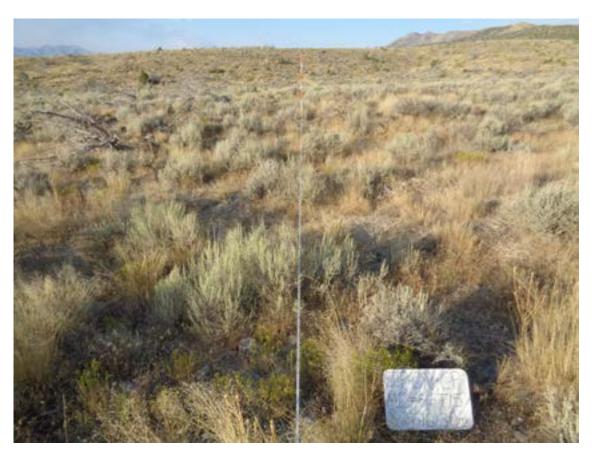


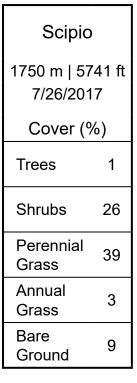
Onaqu	Onaqui			
1736 m 56 8/22/201				
Cover (%)			
Trees	0			
Shrubs	24			
Perennial Grass	19			
Annual Grass	36			
Bare Ground	21			



Utah Juniper: Prescribed Fire**CHANGE**Pre-treatment Phase 1: Photo Series

Onaqui			
1736 m 5696 ft 8/22/2016			
Cover (%	%)		
Trees	0		
Shrubs	24		
Perennial Grass	19		
Annual Grass	36		
Bare Ground	21		







Utah Juniper: Prescribed Fire**CHANGE**

Pre-treatment Phase 1: Photo Series



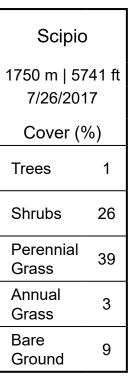
Onaqui		
1736 m 5696 ft 8/22/2016		
Cover (%)		
Trees	0	
Shrubs	24	
Perennial Grass	19	
Annual Grass	36	
Bare Ground	21	



Utah Juniper: Cutting**CHANGE**Pre-treatment Phase 1: Photo Series

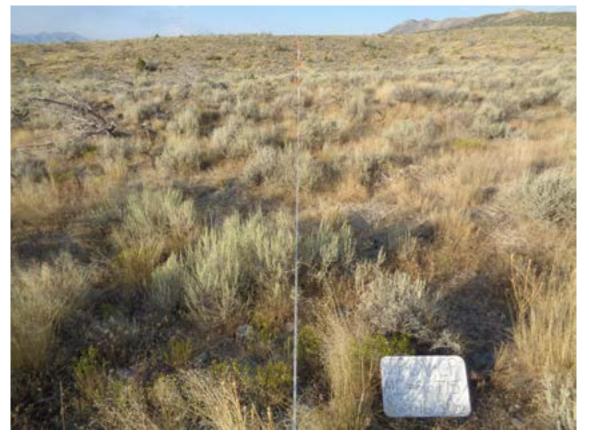
Onaqui			
1736 m 5696 ft 8/22/2016			
Cover (%	6)		
Trees	0		
Shrubs	24		
Perennial Grass	19		
Annual Grass	36		
Bare Ground	21		



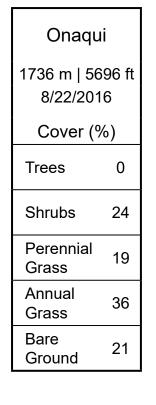




Utah Juniper: Cutting**CHANGE**Pre-treatment Phase 1: Photo Series



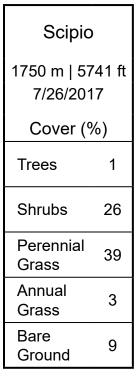
Onaqui		
1736 m 5696 ft 8/22/2016		
%)		
0		
24		
19		
36		
21		



Utah Juniper: Mastication **CHANGE**Pre-treatment Phase 1: Photo Series

Onaqui			
1736 m 5696 ft 8/22/2016			
Cover (%	6)		
Trees	0		
Shrubs	24		
Perennial Grass	19		
Annual Grass	36		
Bare Ground	21		

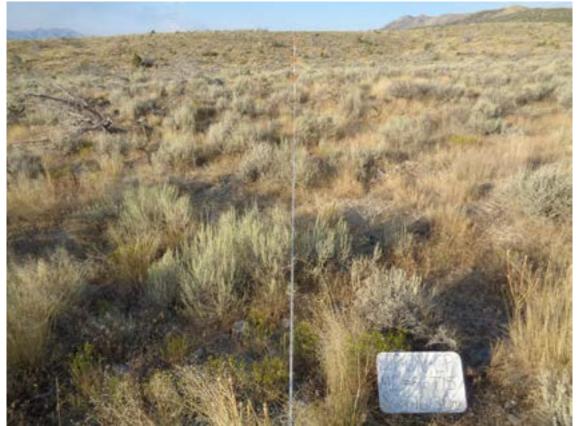






Utah Juniper: Mastication **CHANGE**

Pre-treatment Phase 1: Photo Series



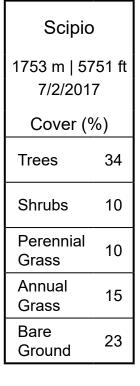
Onaqui			
1736 m 5696 ft 8/22/2016			
Cover (%	6)		
Trees	0		
Shrubs	24		
Perennial Grass	19		
Annual Grass	36		
Bare Ground	21		



Utah Juniper: Control Pre-treatment Phase 2

Onaqui			
1712 m 5617 ft 6/26/2016			
Cover (%	%)		
Trees	18		
Shrubs	7		
Perennial Grass	15		
Annual Grass	<1		
Bare Ground	33		







Utah Juniper: Control Pre-treatment Phase 2

Variable	Category	Component	10th	Mean	90th
	Tropo	JUOS	12	18	23
	Trees	PIED	0	5	17
	Shrubs	ARTRW8	2	8	16
T. (.) O	Siliubs	CHVI8	0	<1	3
Total Cover (%)		Perennial Grass	7	14	23
(70)	Herbaceous	Annual Grass	0.7	5	13
		Forb	3	20	35
	Litter & Duff	Interspace Litter	36	49	62
	Bare Ground	Bare Ground	13	27	41
	Traca	JUOS	55	126	185
Density	Trees	PIED	0	60	198
(#/acre)	01 1	ARTRW8	545	1373	2298
	Shrubs	CHVI8	0	670	2418
	Ole made a	ARTW8	12	20	27
Height	Shrubs	CHVI8	8	9	11
(in)	Herbaceous	Grass	4	7	11
		Forb	2	3	5
	Shrubs	ARTRW8	0.08	0.73	1.79
	Siliubs	CHVI8	0	<0.01	<0.01
	I I a what a second	Live	0.02	0.07	0.15
	Herbaceous	Dead	0	0.02	0.04
Fuel Loading		10-hr	0.11	0.31	0.56
(tons/acre)	Downed Woody Debris	100-hr	0.18	0.56	0.99
		1000-hr sound	0	0.16	0.37
		1000-hr rotten	0	0.06	0.22
	Litter & Duff	Interspace Litter	0.02	0.24	0.48
		Tree Litter + Duff	3.90	7.90	11.71
B !! B !!	Chruba	ARTRW8	0.0021	0.0143	0.0318
Bulk Density	Shrubs	CHVI8	0	0.0001	0.0002
(lbs/ft³)	Herbaceous	Live + Dead	0.0050	0.0108	0.0178

Utah Juniper: Prescribed Fire Pre-treatment Phase 2

Onaqui			
1712 m 5617 ft 7/14/2017			
Cover (%	6)		
Trees	0		
Shrubs	12		
Perennial Grass	26		
Annual Grass	17		
Bare Ground	21		



Scipio

1742 m | 5715 ft 7/2/2017

Cover (%)

Trees <1

Shrubs 5

Perennial Grass 24

Annual Grass 14

Bare Ground 5



Utah Juniper: Prescribed Fire Pre-treatment Phase 2

Variable	Category	Component	10th	Mean	90th
	Traca	JUOS	0	<1	3
	Trees	PIED	0	<1	2
	Shrubs	ARTRW8	0	3	8
	Siliubs	CHVI8	0	3	7
Total Cover (%)		Perennial Grass	20	33	47
(70)	Herbaceous	Annual Grass	11	21	29
		Forb	4	29	56
	Litter & Duff	Interspace Litter	29	50	65
	Bare Ground	Bare Ground	8	15	25
	Troop	JUOS	0	17	39
Density	Trees	PIED	0	11	31
(#/acre)	01 1	ARTRW8	45	1462	4837
	Shrubs	CHVI8	0	1324	3021
	Chrubo	ARTW8	12	20	26
Height	Shrubs	CHVI8	10	12	14
(in)	Harbassaus	Grass	8	11	15
	Herbaceous	Forb	2	5	5
	Shrubs	ARTRW8	<0.01	0.42	1.39
	Siliubs	CHVI8	0	0.04	0.20
	Harbassus	Live	0.15	0.28	0.45
	Herbaceous	Dead	0.01	0.06	0.09
Fuel Loading		10-hr	0.27	0.57	1.19
(tons/acre)	Downed Woody Debris	100-hr	0.39	1.12	2.02
		1000-hr sound	0	0.58	1.43
		1000-hr rotten	0	0.06	0.22
	Littor 9 Duff	Interspace Litter	0.07	0.17	0.35
	Litter & Duff	Tree Litter + Duff	0	0.17	0.55
Darlia Darrati	Shrubs	ARTRW8	0.0004	0.0093	0.0250
Bulk Density (lbs/ft³)		CHVI8	0	0.0014	0.0073
(108/11°)	Herbaceous	Live + Dead	0.0139	0.0264	0.0380

Utah Juniper: Cutting Pre-treatment Phase 2

Greenvi Bench	
1785 m 58 6/20/201	
Cover (9	%)
Trees	<1
Shrubs	27
Perennial Grass	26
Annual Grass	11
Bare Ground	18



Scipio

1750 m | 5741 ft 7/25/2017

Cover (%)

Trees <1

Shrubs 29

Perennial Grass 16

Annual Grass 7

Bare Ground 9



Utah Juniper: Cutting Pre-treatment Phase 2

Variable	Category	Component	10th	Mean	90th
	_	JUOS	<1	<1	1
	Trees	PIED	0	<1	<1
	Ch with a	ARTRW8	6	16	25
	Shrubs	CHVI8	0	4	10
Total Cover (%)		Perennial Grass	16	27	34
(70)	Herbaceous	Annual Grass	2	11	23
		Forb	2	19	39
	Litter & Duff	Interspace Litter	37	52	71
	Bare Ground	Bare Ground	9	18	28
	Trees	JUOS	19	81	152
Density	Hees	PIED	0	20	38
(#/acre)	Shrubs	ARTRW8	1095	3285	5868
	Siliubs	CHVI8	0	1819	3902
	Shrubs	ARTW8	14	21	30
Height		CHVI8	10	12	13
(in)	Herbaceous	Grass	7	9	14
		Forb	2	5	8
	Shrubs	ARTRW8	0.43	1.91	3.79
	Siliubs	CHVI8	0	0.05	0.21
	Herbaceous	Live	0.09	0.19	0.31
	Herbaceous	Dead	<0.01	0.04	0.07
Fuel Loading		10-hr	0.34	0.63	1.02
(tons/acre)	Downed Woody Debris	100-hr	0.76	1.43	2.40
		1000-hr sound	0.13	1.78	3.62
		1000-hr rotten	0	0.10	0.21
	Litter & Duff	Interspace Litter	0.05	0.20	0.35
	Litter & Duff	Tree Litter + Duff	0.02	0.14	0.23
Dulle Danaid	Shrubs	ARTRW8	0.0130	0.0350	0.0527
Bulk Density (lbs/ft³)		CHVI8	0	0.0021	0.0081
(105/11)	Herbaceous	Live + Dead	0.0084	0.0199	0.0313

Utah Juniper: Mastication Pre-treatment Phase 2

Greenvil Bench	-
1768 m 58 6/29/201	
Cover (%	6)
Trees	2
Shrubs	7
Perennial Grass	42
Annual Grass	22
Bare Ground	14



Onaqui

1704 m | 5591 ft
8/23/2016

Cover (%)

Trees <1

Shrubs 20

Perennial 22

Grass 2

Annual 2

Grass 3

Ground 33



Utah Juniper: Mastication **CHANGE**Pre-treatment Phase 2

Variable	Category	Component	10th	Mean	90th
	Trees	JUOS	2	8	16
		PIED	0	2	6
	Shrubs	ARTRW8	7	15	24
T. (.) O	Onidos	CHVI8	0	1	5
Total Cover (%)		Perennial Grass	10	18	26
(70)	Herbaceous	Annual Grass	<1	9	21
		Forb	1	23	40
	Litter & Duff	Interspace Litter	34	45	57
	Bare Ground	Bare Ground	13	23	35
	Troop	JUOS	22	96	200
Density (#/	Trees	PIED	0	15	44
acre)	01 1	ARTRW8	1269	2943	5039
	Shrubs	CHVI8	0	840	2902
	Shrubs	ARTW8	15	20	26
Height		CHVI8	10	11	12
(in)	Herbaceous	Grass	5	9	14
		Forb	3	4	5
	Shrubs	ARTRW8	1.01	1.99	3.78
		CHVI8	0	<0.01	0
	I I a what a second	Live	0.04	0.12	0.25
	Herbaceous	Dead	0	0.02	0.04
Fuel Loading		10-hr	0.15	0.36	0.56
(tons/acre)	Downed Woody Debris	100-hr	0.19	0.69	1.22
		1000-hr sound	0	0.21	0.69
		1000-hr rotten	0	0.15	0.38
	Litter & Duff	Interspace Litter	0.05	0.15	0.29
		Tree Litter + Duff	1.32	3.08	5.13
Dulle Danaid	Shruba	ARTRW8	0.0230	0.0348	0.0439
Bulk Density (lbs/ft³)	Shrubs	CHVI8		0	
(183/10)	Herbaceous	Live + Dead	0.0059	0.0142	0.0287

Utah Juniper: Control Pre-treatment Phase 3

Greenville Bench 1804 m 5919 ft 6/13/2017			
Cover (%	6)		
Trees	15		
Shrubs	19		
Perennial Grass	9		
Annual Grass	2		
Bare Ground	47		



Onaqui

1712 m | 5617 ft
6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8
Grass 8

Annual Crass <1

Bare Ground 36



Utah Juniper: Control Pre-treatment Phase 3

Variable	Category	Component	10th	Mean	90th
	T	JUOS	13	26	40
	Trees	PIED	0	13	35
	Charles	ARTRW8	<1	3	5
	Shrubs	CHVI8	0	<1	1
Total Cover (%)		Perennial Grass	2	9	19
(70)	Herbaceous	Annual Grass	0	2	4
		Forb	1	13	22
	Litter & Duff	Interspace Litter	40	51	58
	Bare Ground	Bare Ground	22	33	40
	Trees	JUOS	68	160	285
Density (#/	Hees	PIED	0	113	329
acre)	Shrubs	ARTRW8	195	881	1435
		CHVI8	0	450	1481
	Shrubs	ARTW8	13	17	22
Height		CHVI8	7	8	9
(in)	Herbaceous	Grass	4	5	6
		Forb	1	3	4
	Shrubs	ARTRW8	0.03	0.24	0.48
		CHVI8	0	<0.01	<0.01
	Herbaceous	Live	<0.01	0.08	0.08
	Herbaceous	Dead	0	<0.01	0.02
Fuel Loading	Downed Woody Debris	10-hr	0.11	0.27	0.52
(tons/acre)		100-hr	0.02	0.42	0.73
		1000-hr sound	0	0.10	0.24
		1000-hr rotten	0	0.21	0.42
	Litter & Duff	Interspace Litter	0.04	0.27	0.50
		Tree Litter + Duff	7.71	10.20	13.48
Dulle Danaid	Shruba	ARTRW8	0.0011	0.0062	0.0105
Bulk Density (lbs/ft³)	Shrubs	CHVI8	0	<0.0001	<0.0001
	Herbaceous	Live + Dead	0.0009	0.0132	0.0185

Utah Juniper: Prescribed Fire-CHANGEdes

Greenville Bench 1804 m 5919 ft 6/13/2017				
Cover (%	%)			
Trees	15			
Shrubs	19			
Perennial Grass	9			
Annual Grass	2			
Bare Ground	47			



Onaqui

1712 m | 5617 ft 6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8

Grass 41

Grass 41

Bare 36

Ground 36



Utah Juniper: Prescribed Fire Pre-treatment Phase 3

Variable	Category	Component	10th	Mean	90th
	Trees	JUOS	1	5	8
		PIED	0	5	15
	Chruba	ARTRW8	<1	2	6
	Shrubs	CHVI8	0	<1	2
Total Cover (%)		Perennial Grass	10	25	36
(70)	Herbaceous	Annual Grass	9	25	46
		Forb	orb 6 2	25	46
	Litter & Duff	Interspace Litter	40	55	65
	Bare Ground	Bare Ground	7	16	28
	Trees	JUOS	12	51	80
Density (#/	Hees	PIED	0	35	115
acre)	Shrubs	ARTRW8	32	1004	2548
	Siliubs	CHVI8	0	407	1617
	Shrubs	ARTW8	14	19	27
Height	Siliubs	CHVI8	10	12	15
(in)	Herbaceous	Grass	9	12	17
		Forb	3	5	8
	Shrubs -	ARTRW8	0	0.29	0.69
		CHVI8	0	<0.01	<0.01
	Herbaceous	Live	0.08	0.22	0.36
	Tierbaceous	Dead	<0.01	0.05	0.11
Fuel Loading		10-hr	0.33	0.69	1.26
(tons/acre)	Downed Woody Debris	100-hr	0.59	2.02	4.68
		1000-hr sound	0.20	0.92	1.97
		1000-hr rotten	0	0.04	0.15
	Litter & Duff	Interspace Litter	0.05	0.20	0.44
	Litter & Duil	Tree Litter + Duff	0.13	1.42	3.70
Dulk Danaite	Shrubs	ARTRW8	0	0.0044	0.0085
Bulk Density (lbs/ft³)		CHVI8	0	0.0002	0.0003
()	Herbaceous	Live + Dead	0.0091	0.0186	0.0308

Utah Juniper: Cutting **CHANGEdes**Pre-treatment Phase 3

Greenville Bench				
1804 m 59 6/13/201				
Cover (%	%)			
Trees	15			
Shrubs	19			
Perennial Grass	9			
Annual Grass	2			
Bare Ground	47			



Onaqui

1712 m | 5617 ft
6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8

Grass 8

Annual Crass 11

Bare 36

Ground 36



Utah Juniper: Cutting Pre-treatment Phase 3

Variable	Category	Component	10th	Mean	90th
	_	JUOS	<1	1	2
	Trees	PIED	0	<1	<1
	<u> </u>	ARTRW8	0	4	12
	Shrubs	CHVI8	0	2	6
Total Cover (%)		Perennial Grass	26	33	42
(70)	Herbaceous	Annual Grass	1	15	29
	Forb 5	5	18	39	
	Litter & Duff	Interspace Litter	37	48	59
	Bare Ground	Bare Ground	11	18	23
	Trees	JUOS	39	116	224
Density (#/	rrees	PIED	0	38	124
acre)	Chrubo	ARTRW8	23	965	2026
	Shrubs	CHVI8	0	767	2235
	Shrubs	ARTW8	13	17	22
Height		CHVI8	9	10	11
(in)	Herbaceous	Grass	7	10	12
		Forb	4	5	6
	Shrubs	ARTRW8	0	0.43	0.69
		CHVI8	0	0.03	0.04
	Herbaceous	Live	0.13	0.34	0.63
	Herbaceous	Dead	0.03	0.10	0.18
Fuel Loading	Downed Woody Debris	10-hr	0.42	0.87	1.31
(tons/acre)		100-hr	1.11	2.16	3.36
		1000-hr sound	2.17	5.55	10.95
		1000-hr rotten	0	0.13	0.26
	Litter & Duff	Interspace Litter	0.09	0.18	0.28
		Tree Litter + Duff	0.02	0.22	0.67
Dulle Danait	Shrube	ARTRW8	0	0.0087	0.0204
Bulk Density (lbs/ft³)	Shrubs	CHVI8	0	0.0011	0.0016
(155/11)	Herbaceous	Live + Dead	0.0162	0.0370	0.0610

Utah Juniper: Mastication**CHANGEdes**Pre-treatment Phase 3

Greenville
Bench

1804 m | 5919 ft
6/13/2017

Cover (%)

Trees 15

Shrubs 19

Perennial
Grass 9

Annual
Grass 2

Bare
Ground 47



Onaqui

1712 m | 5617 ft
6/28/2016

Cover (%)

Trees 3

Shrubs 14

Perennial 8
Grass 8

Annual Crass 14

Bare 36
Ground 36



Utah Juniper: Mastication **CHANGE**Pre-treatment Phase 3

Variable	Category	Component	10th	Mean	90th
	Trees	JUOS	2	8	16
	rrees	PIED	0	2	6
	Shrubs	ARTRW8	7	15	24
T. () 0	Stilubs	CHVI8	0	1	5
Total Cover (%)		Perennial Grass	10	18	26
(70)	Herbaceous	Annual Grass	<1	9	21
		Forb	1	23	40
	Litter & Duff	Interspace Litter	34	45	57
	Bare Ground	Bare Ground	13	23	35
	Trees	JUOS	22	96	200
Density (#/	11665	PIED	0	15	44
acre)	Shrubs	ARTRW8	1269	2943	5039
	Siliubs	CHVI8	0	840	2902
	Shrubs	ARTW8	15	20	26
Height	Siliubs	CHVI8	10	11	12
(in)	Herbaceous	Grass	5	9	14
		Forb	3	4	5
	│ Shrubs ├──	ARTRW8	1.01	1.99	3.78
		CHVI8	0	<0.01	0
	Herbaceous	Live	0.04	0.12	0.25
	Ticibaccous	Dead	0	0.02	23 40 45 57 23 35 96 200 15 44 2943 5039 840 2902 20 26 11 12 9 14 4 5 1.99 3.78 <0.01
Fuel Loading	Downed Woody Debris	10-hr	0.15	0.36	0.56
(tons/acre)		100-hr	0.19	0.69	1.22
		1000-hr sound	0	0.21	0.69
		1000-hr rotten	0	0.15	2902 26 12 14 5 3.78 0 0.25 0.04 0.56 1.22 0.69 0.38
	Litter & Duff	Interspace Litter	0.05	0.15	0.29
	Litter & Duil	Tree Litter + Duff	1.32	3.08	5.13
Deally Daniel's	Shrubs	ARTRW8	0.0230	0.0348	0.0439
Bulk Density (lbs/ft³)	Siliubs	CHVI8		0	
(103/10)	Herbaceous	Live + Dead	0.0059	0.0142	0.0287