

Appendix 3. Canopy cover of plants in plots in the potential Sixmile Basin Research Natural Area.

In all of the tables in this appendix, the cover values for species are midpoints of the following cover classes:

<u>Cover Value</u>	<u>Range of Canopy Cover</u>
1	<1%
3	1% - 5%
10	5% - 15%
20	15% - 25%
30	25% - 35%
40	35% - 45%
50	45% - 55%
60	55% - 65%
70	65% - 75%
80	75% - 85%
90	85% - 95%
97	95% - 100%

Table 3-1. Canopy cover of plants in sample plots from the potential Sixmile Basin RNA.

Species	Plot/Association*					
	1 Elysmi/ Stivir	6 Elysmi/ Stivir	2 Artri/ Elysmi	3 Artri/ Elysmi	4 Elysmi/ Bougra	5 Elysmi/ Bougra
DWARF SHRUBS						
<i>Artemisia cana</i> var. <i>cana</i>						
<i>Artemisia tridentata</i> var. <i>wyomingensis</i>	3		30	20	1	1
<i>Atriplex canescens</i>					3	1
<i>Atriplex gardneri</i> var. <i>oreophilus</i>	1					
<i>Krascheninnikovia lanata</i>	3		1			
<i>Sarcobatus vermiculatus</i>	1				1	1
GRAMINOIDS						
<i>Bouteloua gracilis</i>	3		1	10	40	10
<i>Bromus japonicus</i>	80	1	20			
<i>Bromus tectorum</i>				1		
<i>Carex eleocharis</i>						
<i>Carex filifolia</i>			1	20		40
<i>Distichlis stricta</i>						3
<i>Elymus smithii</i>	10	90	40	40	30	20
<i>Poa juncifolia</i>		10				
<i>Poa secunda</i>	10			10	3	
<i>Stipa comata</i>						1
<i>Stipa viridula</i>	1	3	10	10	1	
FORBS						
<i>Allium</i> sp.	1					1
<i>Alyssum desertorum</i>	1		1	1	1	1
<i>Arenaria hookeri</i>			1			
<i>Astragalus</i> sp.						1
<i>Chenopodium</i> sp.		1				
<i>Comandra umbellata</i>				1		
<i>Cryptantha</i> sp.						1
<i>Erigeron</i> sp.			3	1	1	
<i>Erysimum</i> sp.					1	
<i>Gutierrezia sarothrae</i>				1	1	1

Table 3-1. Canopy cover of plants in sample plots from the potential Sixmile Basin RNA.

	Plot/Association*					
	1 Elysmi/ Stivir	6 Elysmi/ Stivir	2 Artri/ Elysmi	3 Artri/ Elysmi	4 Elysmi/ Bougra	5 Elysmi/ Bougra
Haplopappus nuttallii						
Hymenopappus sp.						1
Iva axillaris					1	1
Machaeranthera canescens						1
Melilotus officinalis		1				
Mentzelia laevicaulis						
Opuntia polyacantha	10		3	1	1	1
Penstemon sp.					1	1
Phlox hoodii			1	1	1	1
Plantago patagonica			1			
Sphaeralcea coccinea			1	1	1	
Tragopogon dubius	1		1	1		
GROUND COVER						
Bare ground	60	65	52	60	65	91
Gravel			1	1	1	1
Rock						
Litter	30	28	40	30	31	6
Wood			1	2		
Moss	1		1	1		
Basal vegetation	10	7	5	5	3	3

***Association acronyms**

Elysmi/Stivir = Bluebunch wheatgrass/green needlegrass association
 Artri/Elysmi = Wyoming big sagebrush/western wheatgrass association
 Elysmi/Bougra = western wheatgrass/blue grama association

Notes

Plot 1: 10 m x 20 m, on gentle, east-facing slope
 Plot 6: 5 m x 20 m, in a southwest-facing draw
 Plot 2: 10 m x 20 m, on middle of east-facing slope
 Plot 3: 10 m x 20 m, on middle of east-facing slope
 Plot 4: 10 m x 10 m, on middle of gentle, ^{South} ~~North~~-facing slope
 Plot 5: 10 m x 20 m