

## TABLES

**Table 1: Feral Horse Animal Unit Equivalent (AUE), Dry Matter Intake (DMI) and Forage Requirements**

Class	Average Weight in Pounds	DMI as a % of Body Weight	DMI in Pounds Per Day	AUE**	Numbers in Class	AUMs*** Needed Per Year
Lactating Mare	800	2.25%*	18	0.69	22	182
Non-Lactating Mare	900	2%	18	0.69	32	265
Stallions	900	2%	18	0.69	57	472
2-3 Year Olds	550	2.50%	13.75	0.53	28	178
Foals	300	3%	9	0.35	22	92
<b>Total AUMs Needed</b>						<b>1,189</b>

\* 2.25% represents the average DMI for the year (May-Oct. is 2.5% and Nov.-April is 2%)

\*\* Animal Unit Equivalent equals the proportion of forage required for an animal relative to a 1,000-pound cow (26 pounds dry matter per day)

\*\*\* Animal Unit Month is an expression of the amount of forage needed by one animal unit for one month (793 pounds of dry matter)

**Table 2: Average Percent Diet Composition (Adapted from Kissel et al. 1996)**

Animal	Grass				Forbs				Shrubs				Other *			
	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F
Feral Horses	76	85	73	68	9	2	8	5	7	2	13	22	8	11	6	5
Big Horn Sheep	28	60	39	28	8	16	6	4	62	19	53	68	2	5	2	T
Mule Deer	T	5	27	T	1	55	24	2	99	31	47	98	T	9	2	T

W = Winter, Sp = Spring, Su = Summer, F = Fall

T=Trace amount

\*Other encompasses mostly sedges and rushes

**Table 3: Plant Communities (Organized from driest to wettest environments)**

Common Names	Scientific Names	Symbols
Wyoming big sagebrush / plains pricklypear / blue grama	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Opuntia polyacantha</i> / <i>Bouteloua gracilis</i>	ARTRW8 / OPPO / BRGR2
Wyoming big sagebrush / halogeton	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Halogeton glomeratus</i>	ARTRW8 / HAGL
Nuttall's saltbush / greasewood	<i>Atriplex nuttallii</i> / <i>Sarcobatus vermiculatus</i>	ATNU / SAVE4
Wyoming big sagebrush / rubber rabbitbrush	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Ericameria nauseosa</i>	ARTRW8 / ERNA10
*Wyoming big sagebrush / shortstem buckwheat (shrubby buckwheat)	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Eriogonum brevicaulis</i>	ARTRW8 / ERBR5
low forb / Fendler's threeawn	low forb / <i>Aristida purpurea</i> var. <i>fendleriana</i>	low forb / ARPUF
Wyoming big sagebrush / shadscale	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Atriplex confertifolia</i>	ARTRW8 / ATCO
Wyoming big sagebrush / pricklypear	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Opuntia polyacantha</i>	ARTRW8 / OPPO
alkali sacaton / low forb	<i>Sporobolus airoides</i> / low forb	SPAI / low forb
low forb / needleandthread	low forb / <i>Hesperostipa comata</i>	low forb / HECO26
Wyoming big sagebrush / needleandthread	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Hesperostipa comata</i>	ARTRW8 / HECO26
Wyoming big sagebrush / plains pricklypear / Indian ricegrass	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i> / <i>Opuntia polyacantha</i> / <i>Achnatherum hymenoides</i>	ARTRW8 / OPPO / ACHY
Utah juniper / Fendler's threeawn	<i>Juniperus osteosperma</i> / <i>Aristida purpurea</i> var. <i>fendleriana</i>	JUOS / ARPUF
Utah juniper / curl-leaf mountain mahogany / low forb	<i>Juniperus osteosperma</i> / <i>Cercocarpus ledifolius</i> / low forb	JUOS / CELE3 / low forb
**bluebunch wheatgrass / low forb	<i>Pseudoroegneria spicata</i> / low forb	PSSP6 / low forb
Utah juniper / curl-leaf mountain mahogany / low forb / needleandthread	<i>Juniperus osteosperma</i> / <i>Cercocarpus ledifolius</i> / low forb / <i>Hesperostipa comata</i>	JUOS / CELE3 / low forb / HECO26
curl-leaf mountain mahogany / low forb	<i>Cercocarpus ledifolius</i> / low forb	CELE3 / low forb

Utah juniper / black sagebrush / bluebunch wheatgrass	<i>Juniperus osteosperma</i> / <i>Artemisia nova</i> / <i>Pseudoroegneria spicata</i>	JUOS / ARNO4 / PSSP6
Utah juniper / bluebunch wheatgrass	<i>Juniperus osteosperma</i> / <i>Pseudoroegneria spicata</i>	JUOS / PSSP6
***black sagebrush / Wyoming big sagebrush / bluebunch wheatgrass	<i>Artemisia nova</i> / <i>Artemisia tridentata ssp. wyomingensis</i> / <i>Pseudoroegneria spicata</i>	ARNO4 / ARTRW8 / PSSP6
curl-leaf mountain mahogany / low forb / bluebunch wheatgrass	<i>Cercocarpus ledifolius</i> / low forb / <i>Pseudoroegneria spicata</i>	CELE3 / low forb / PSSP6
bluebunch wheatgrass / black sagebrush / Wyoming big sagebrush	<i>Pseudoroegneria spicata</i> / <i>Artemisia nova</i> / <i>Artemisia tridentata ssp. wyomingensis</i>	PSSP6 / ARNO4 / ARTRW8
Douglas fir / spike fescue	<i>Pseudotsuga menziesii</i> / <i>Leucopoa kingii</i>	PSME / LEKI2
spike fescue / forb	<i>Leucopoa kingii</i> / forb	LEKI2 / forb
Douglas fir / mountain snowberry	<i>Pseudotsuga menziesii</i> / <i>Symphoricarpos oreophilus</i>	PSME / SYOR2
Douglas fir / forb	<i>Pseudotsuga menziesii</i> / forb	PSME / forb
Idaho fescue / forb	<i>Festuca idahoensis</i> / forb	FEID / forb
sedge / forb	sedge / forb	sedge / forb
Engelmann spruce / forb	<i>Picea engelmannia</i> / forb	PIEN / forb
subalpine fir / forb	<i>Abies lasiocarpa</i> / forb	ABLA / forb

\* Within the ARTRW8 / ERBR5 community are areas of pure ERBR5 / ERNA10.

\*\*Within the PSSPS / low forb community MAP runs from 9-21”.

\*\*\*Within the ARNO4 / ARTRW8 / PSSP6 community are a number of areas of pure PSSP6 / ARNRO4 / low forb.

**Table 4: Summary of Apparent Trend**

<b>Inventory Unit</b>	<b>Number of Transects</b>	<b>% Upward</b>	<b>% Down</b>	<b>% Not Apparent</b>	<b>MAP (Inches)</b>
Forest Service	18	0	67	33	12-27”
Penn’s Cabin	24	0	65	35	18-27”
Burnt Timber	37	3	80	17	9-17”
Big Coulee	35	0	78	22	9-29”
National Park	32	0	63	37	6-18”
Britton Springs	26	0	100	0	6-12”
<b>Entire Horse Range</b>	<b>172</b>	<b>1</b>	<b>76</b>	<b>23</b>	<b>6-27”</b>

**Table 5: AUMs (at 100% Grazability) and Mean Annual Precipitation (MAP) per Inventory Unit**

<b>Inventory Unit</b>	<b>Acres</b>	<b>AUMs</b>	<b>% of Total Forage</b>	<b>AUMs / AC.</b>	<b>MAP (in inches)</b>
Forest Service	8,038	534	45%	0.066	12-27"
Penn's Cabin	4,492	155	13%	0.035	18-27"
Burnt Timber	7,263	128 (20)*	13%	0.02	9-17"
Big Coulee	6,991	124	11%	0.018	9-20"
National Park	7,363	146	12%	0.02	6-18"
Britton Springs	5,504	45 (25)*	6%	0.012	6-12"

\* 45 AUMs are unavailable to the feral horses because they are fenced within the administrative pasture.

**Table 6: Feral Horse Use of Slopes by Season (% of Occurrences) Pryor Mountain Wild Horse Range, Montana and Wyoming**

<b>Slope %</b>	<b>Late Spring-Fall (May-November)</b>	<b>Winter-Early Spring (December-April)</b>
≤20%	85%	50%
≤30%	95%	80%
≤50%	100%	95%
≤70%	trace	100%
>70%	0	0

**Table 7: Percent of Area Within Slope Range on the Pryor Mountain Wild Horse Range**

<b>Slope %</b>	<b>Total Area %</b>
0-20%	54%
21-30%	18%
31-50%	18%
51%+	10%

**Table 8: Percent of Total Area Within Slope Classes by Inventory Unit  
Pryor Mountain Wild Horse Range, Montana and Wyoming**

Slope %	Forest Service	Penn's Cabin	Burnt Timber	Big Coulee	National Park	Britton Springs
≤20%	43%	41%	67%	43%	54%	83%
≤30%	65%	61%	84%	65%	70%	95%
≤50%	88%	88%	96%	89%	86%	100%

**Table 9: Grazability Scenarios and Approximate Carrying Capacities for the PMWHR**

Grazability Scenario	Distance to Water (miles)	Grazability Percent	Mid-Mtn. Water	Usable AUMs	Carrying Capacity (approx. # of horses)
#1 ≤30% Slope	≤1.5	100%	No	335	45
	1.5 - 2	75%		(34)*	
	2 - 2.5	50%			
	2.5 - 3	25%			
	>3	0%			
#1 ≤50% Slope	≤1.5	100%	No	366	50
	1.5 - 2	75%		(35)*	
	2 - 2.5	50%			
	2.5 - 3	25%			
	>3	0%			
#2 ≤30% Slope	≤3	100%	No	457	62
	3 - 3.5	75%		(45)*	
	3.5 - 4	50%			
	4 - 4.5	25%			
	>4.5	0%			
#2 ≤50% Slope	≤3	100%	No	526	71
	3 - 3.5	75%		(46)*	
	3.5 - 4	50%			
	4 - 4.5	25%			
	>4.5	0%			
#3 ≤30% Slope	≤1.5	100%	Yes	773	105
	1.5 - 2	75%		(35)*	
	2 - 2.5	50%			
	2.5 - 3	25%			
	>3	0%			
#3 ≤50% Slope	≤1.5	100%	Yes	928	126
	1.5 - 2	75%			
	2 - 2.5	50%		(36)*	

	2.5 - 3	25%			
	>3	0%			
#4 ≤30% Slope	≤3	100%	Yes	867	117
	3 - 3.5	75%			
	3.5 - 4	50%		(44)*	
	4 - 4.5	25%			
	>4.5	0%			
#4 ≤50% Slope	≤3	100%	Yes	1049	142
	3 - 3.5	75%			
	3.5 - 4	50%		(45)*	
	4 - 4.5	25%			
	>4.5	0%			

\* These AUMs are within the administrative pasture and are not available to the horses.