

APPENDIX U

Wildlife and range monitoring data collected within Devil's Gate Allotment.

1. Monitoring Site DG-01.

Pronghorn habitat ratings (BLM Big Game Manual 6630)

Date: 5/28/2014		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1.5	13
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	4.8%	4
Grasses (to 0.1%):	15.8%	8
Shrubs (to 0.1%):	79.5%	1
C. Vegetation Quantity Rating:		
	1645	15
D. Vegetation Height Rating:		
	16	10
Total Score:		51
Rating:		Fair
Comment: Vegetation quality and quantity from 2014 production data. Vegetation height from 2014 density board.		

Date: 6/18/2012		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1.5	13
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	23.1%	16
Grasses (to 0.1%):	15.4%	7
Shrubs (to 0.1%):	61.5%	3
C. Vegetation Quantity Rating:		
	168	1
D. Vegetation Height Rating:		
	16	10
Total Score:		50
Rating:		Fair
Comment: Vegetation quality and quantity from 2012 production data. Vegetation height from 2014 density board.		

Date: 9/19/1994		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		

Miles to Water (to 1/2 mile)	3	8
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	48.2%	20
Grasses (to 0.1%):	24.9%	11
Shrubs (to 0.1%):	27.0%	18
C. Vegetation Quantity Rating:	628	6
D. Vegetation Height Rating:	16	10
Total Score:		73
Rating:		Good
Comment: Vegetation quality and quantity from 1994 production data. Vegetation height from 1992 ocular estimate.		

Date: 8/4/1987		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	3	8
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	12.4%	11
Grasses (to 0.1%):	12.3%	6
Shrubs (to 0.1%):	75.3%	2
C. Vegetation Quantity Rating:	1130	15
D. Vegetation Height Rating:	16	10
Total Score:		52
Rating:		Fair
Comment: Vegetation quality and quantity from 1987 production data. Vegetation height from 1991 ocular estimate.		

2. Monitoring Site DG-02.

Pronghorn habitat ratings

Date: 6/27/2014		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1	15
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	1.8%	1
Grasses (to 0.1%):	51.9%	20
Shrubs (to 0.1%):	46.3%	4
C. Vegetation Quantity Rating:	1760	15
D. Vegetation Height Rating:	16	10

Total Score:	65
Rating:	Good
Comment: Vegetation quality and quantity from 2014 production data. Vegetation height from 2014 density board.	

Date: 6/25/2012		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1	15
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	2.4%	2
Grasses (to 0.1%):	29.5%	13
Shrubs (to 0.1%):	68.1%	3
C. Vegetation Quantity Rating:		
	2006	15
D. Vegetation Height Rating:		
	16	10
Total Score:		
		58
Rating:		
		Fair
Comment: Vegetation quality and quantity from 2012 production data. Vegetation height from 2014 density board.		

Date: 9/14/1994		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1	15
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	0.0%	0
Grasses (to 0.1%):	39.9%	16
Shrubs (to 0.1%):	60.1%	3
C. Vegetation Quantity Rating:		
	1113	15
D. Vegetation Height Rating:		
	20	10
Total Score:		
		59
Rating:		
		Fair
Comment: Vegetation quality and quantity from 1994 production data. Vegetation height from 1991 density board.		

Date: 9/5/1990		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		

Miles to Water (to 1/2 mile)	1	15
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	0.9%	0
Grasses (to 0.1%):	20.5%	10
Shrubs (to 0.1%):	78.7%	2
C. Vegetation Quantity Rating:	1709	15
D. Vegetation Height Rating:	20	10
Total Score:		52
Rating:		Fair
Comment: Vegetation quality and quantity from 1990 production data. Vegetation height from 1991 density board.		

Date: 8/25/1987		
Wildlife Season of Use: Antelope summer		
A. Water Availability Rating:		
Miles to Water (to 1/2 mile)	1	15
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	1.1%	1
Grasses (to 0.1%):	30.5%	13
Shrubs (to 0.1%):	68.4%	3
C. Vegetation Quantity Rating:	1691	15
D. Vegetation Height Rating:	20	10
Total Score:		57
Rating:		Fair
Comment: Vegetation quality and quantity from 1987 production data. Vegetation height from 1991 density board.		

Mule deer habitat ratings

Date: 2014		
Wildlife Season of Use: Mule deer summer		
A. Browse Vigor Rating:		
Key Browse Species:		
Age Class Rating:		0
Form Class Rating:		0
B. Forage Quality Rating:		
Diversity Index:	0.43	Rating: Poor 5
Forage Quantity Adjustment:		(Vegetative Cover) 0
	OR	
Forage Quantity Adjustment:	1760	(lbs/ac) 0

Total Rating:				5
C. Cover Rating:	23.70%	Rating:	Fair	9
D. Disturbance Rating:	9			9
E. Water Distribution Rating:	16			16
Comment: Diversity index from 2012 LPI data. Forage quantity from 2014 production data. Cover rating from 2014 density board. Disturbance rating: little new road construction but upland lentic riparian areas are less than desired condition.		Subtotal:		39
		Correction Factor:		1.2
		Total Score:		47
		Rating:		Poor

Date: 1991				
Wildlife Season of Use: Mule deer summer				
A. Browse Vigor Rating:				
Key Browse Species:	PUTR2			
Age Class Rating:	Unsatisfactory			4
Form Class Rating:	Satisfactory			8
B. Forage Quality Rating:				
Diversity Index:	0.25	Rating:	Poor	5
Forage Quantity Adjustment:	26.10%	(Vegetative Cover)	-	2
OR				
Forage Quantity Adjustment:		(lbs/ac)	0	
Total Rating:				3
C. Cover Rating:	24.70%	Rating:	Fair	9
D. Disturbance Rating:				9
E. Water Distribution Rating:				16
Comment: Diversity index from 1990 production data. Forage quantity adjustment from 1991 line intercept data. Cover rating from 1991 density board. Disturbance rating: little new road construction but upland riparian areas are less than desired condition.		Subtotal:		49
		Correction Factor:		1.2
		Total Score:		59
		Rating:		Fair

3. Monitoring Site DG-03.

Pronghorn habitat rating

Date: 6/26/2014			
Wildlife Season of Use: Antelope crucial winter			
A. Water Availability Rating:			
Miles to Water (to 1/2 mile)	3.5		8
B. Vegetation Quality Rating:			
Forbs (to 0.1%):	11.3%		10
Grasses (to 0.1%):	86.6%		20

Forbs (to 0.1%):	10.3%	10
Grasses (to 0.1%):	7.0%	3
Shrubs (to 0.1%):	82.7%	2
C. Vegetation Quantity Rating:	466	5
D. Vegetation Height Rating:	16	10
Total Score:		47
Rating:		Fair
Comment: Vegetation quality and quantity from 2014 production data. Vegetation height from 2014 ocular estimate.		

Mule deer habitat rating

Date: 2/13/2015			
Wildlife Season of Use: Mule deer summer			
A. Browse Vigor Rating:			
Key Browse Species:			
Age Class Rating:			0
Form Class Rating:			0
B. Forage Quality Rating:			
Diversity Index:	0.13	Rating:	Poor 5
Forage Quantity Adjustment:		(Vegetative Cover)	0
OR			
Forage Quantity Adjustment:	466	(lbs/ac)	-6
Total Rating:			-1
C. Cover Rating:	25.00%	Rating:	Fair 9
D. Disturbance Rating:	5		5
E. Water Distribution Rating:	0.75		16
Comment: Diversity index from 2012 LPI data. Forage quantity from 2014 production data. Cover rating from 2012 ocular estimate. Disturbance rating includes consideration of 2006 Sugarloaf fires, recent riparian pasture fence construction, and pipeline construction disturbance within past decade		Subtotal:	29
		Correction Factor:	1.47
		Total Score:	42
		Rating:	Poor

5. Monitoring Site DG-05.

Pronghorn habitat rating

Date: 6/26/2014	
Wildlife Season of Use: Antelope summer	
A. Water Availability Rating:	

Miles to Water (to 1/2 mile)	1.5	13
B. Vegetation Quality Rating:		
Forbs (to 0.1%):	0.4%	0
Grasses (to 0.1%):	5.2%	2
Shrubs (to 0.1%):	94.3%	1
C. Vegetation Quantity Rating:	2212	15
D. Vegetation Height Rating:	16	10
Total Score:		41
Rating:		Fair
Comment: Vegetation quality and quantity from 2014 production data. Vegetation height from 2012 ocular estimate.		

Mule deer habitat rating

Date: 2/13/2015			
Wildlife Season of Use: Mule deer summer			
A. Browse Vigor Rating:			
Key Browse Species:			
Age Class Rating:			0
Form Class Rating:			0
B. Forage Quality Rating:			
Diversity Index:	0.36	Rating:	Poor 5
Forage Quantity Adjustment:		(Vegetative Cover)	0
OR			
Forage Quantity Adjustment:	2211	(lbs/ac)	0
Total Rating:			5
C. Cover Rating:	25.00%	Rating:	Fair 9
D. Disturbance Rating:	5		5
E. Water Distribution Rating:	1.5		16
Comment: Diversity index from 2012 LPI data. Forage quantity from 2014 production data. Cover rating from 2012 ocular estimate. Disturbance rating considered extensive recent wildfire within immediate vicinity.		Subtotal:	35
		Correction Factor:	1.47
		Total Score:	51.45
		Rating:	Fair

6. Monitoring Site DG-06.

Pronghorn habitat rating

Date: 7/1/2014
Wildlife Season of Use: Antelope summer

