The Trail Inventory of National Bison Range Moiese, Montana



Prepared By: Federal Highway Administration Central Federal Lands Highway Division July 2007





### National Bison Range Trail and Trail Feature Summaries

					Milea	ige by T	rail Conc	dition					Tatal
Trail Surface	Exce	ellent	Go	od	Fa	air	Po	oor	Very	Poor	Not R	ated*	Total Miles
Туре	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	i i i i i i i i i i i i i i i i i i i
Native	0.63	32%		0%		0%		0%		0%		0%	0.63
Gravel	0.53	27%		0%		0%		0%		0%		0%	0.53
Asphalt	0.41	21%		0%		0%		0%		0%		0%	0.41
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk		0%		0%		0%		0%		0%		0%	0.00
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%	0.39	20%	0.39
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	1.57	80%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.39	20%	1.96

#### Trail Miles and Percentages by Surface Type and Condition

#### Trail Miles and Percentages by Trail Classification and Condition

		Mileage by Trail Condition								Total			
Trail	Exce	ellent	Go	Good Fair		Poor Very		Very Poor Not F		ated*	Miles		
Classification	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3	1.16	59%		0%		0%		0%		0%	0.39	20%	1.55
TC4		0%		0%		0%		0%		0%		0%	0.00
TC5	0.41	21%		0%		0%		0%		0%		0%	0.41
Totals	1.57	80%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.39	20%	1.96

\* Admin Roads are included in the inventory but are not rated for condition.

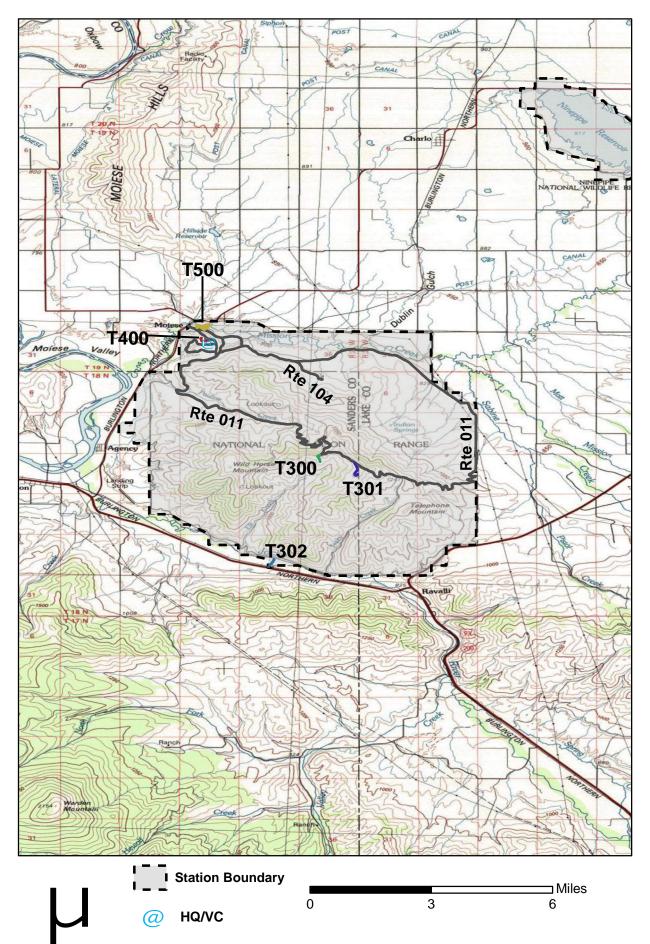
#### **Trail Features**

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Sign	1	No	0.00	16
T300	Sign	1	No	0.20	19
T301	Sign	1	No	0.00	20
T301	Gate	1	No	0.02	N/A
T301	Bench	6	Yes	N/A	N/A
T302	Sign	1	No	0.02	25
T500	Bench	5	Yes	N/A	N/A
T500	Bridge -sf	240	No	0.07	11
T500	Lookout/Ob Deck	1	No	0.07	N/A
T500	Sign	1	No	0.08	3
T500	Sign	11	Yes	N/A	5
T500	Water Control Struc	1	No	0.16	N/A
T500	Bridge -sf	300	No	0.18	12
T500	Sign	2	No	0.25	9

sf-square feet If-linear feet

cf-cubic feet

# NATIONAL BISON RANGE TRAIL LOCATION MAP



#### **TRAILS ID**

### Station Name: National Bison Range

### Org. Code: 61540

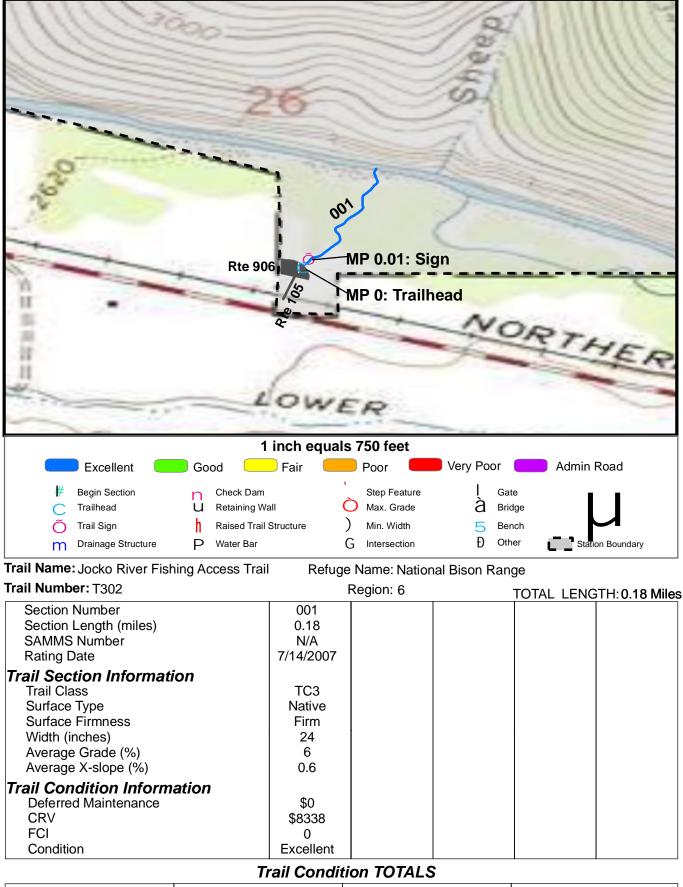
Trail #	Trail Name	Surface Type(s)	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Bitterroot Trail Grave		10051475	0.2	From Bitterroot Trail Parking (Rte 902) to end of trail
T301	High Point Trail Admin Roa		N/A	0.39	From Auto Tour Route (Rte 011) to Radio Tower
T302	Jocko River Fishing Access Trail	Native	N/A	0.18	From Jocko River Fishing Access Parking (Rte 906) to end of trail
T400	T400 Grassland Trail		10026357	0.33	From Headquarters to end of trail loop
T500	Nature Traill	Asphalt, Native	10026356	0.86	From Nature Trail Parking (Rte 901) to end of trail at Sec 003

MP 0: Trailhead, Sign									
001 Rte 902 MP 0.07 B									
MP 0.2 L200									
Excellent Good	1 inch equals	Poor	Very Poor 📃 Admin Road						
#     Begin Section     D     Check Da       C     Trailhead     U     Retaining	m Wall (	Step Feature Max. Grade Min. Width G Intersection	<ul> <li>Gate</li> <li>Bridge</li> <li>Bench</li> <li>D Other</li> <li>Station Boundary</li> </ul>						
Trail Name: Bitterroot Trail	Refuge	e Name: Natior	nal Bison Range						
Trail Number: T300		Region: 6	TOTAL LENGTH: 0.2 M	liles					
Section Number Section Length (miles) SAMMS Number Rating Date	001 0.07 10051475 7/14/2007	002 0.13 10051475 7/14/2007							
Trail Section Information Trail Class Surface Type Surface Firmness Width (inches) Average Grade (%) Average X-slope (%) Trail Condition Information Deferred Maintenance CRV FCI Condition	TC3 Gravel Hard 60 7.1 3.4 \$0 \$8491 0	TC3 Gravel Hard 36 7.1 3.4 \$0 \$10267 0 5voolloopt							
Condition	Excellent	Excellent							
Deferred	Trail Condition TOTALS								

Deferred Maintenance	CRV CRV		Condition
\$0	\$18758	0	Excellent

Rie	011	ALC 1			V	
MP-0: Ti	Rte 903 ailhead, Sign 0 MP 0.02	00	222 V		R	A
	90	Ĵ	A Contraction	5		R
SSIA	1C		IP 0.39	1)	M	Nou.
1811		1	1111	11/	12	
	1 inc	h equals	750 feet			
Excellent	📕 Good 🛛 💭 Fa	air 🦲	Poor 🧧	Very Poor	Admin	Road
₩ Begin Section	Check Dam	، د	Step Feature	Gate	e	
C Trailhead	C Retaining Wall		Max. Grade	à Brid		
Trail Sign Drainage Structure	Raised Trail Struct	ture )	Min. Width	5 Ben D Othe		tion Boundary
	F Mater Bu					
Trail Name: High Point Trail				nal Bison Rang	je	
Trail Number: T301	I		Region: 6	-	TOTAL LEN	GTH: 0.39 Miles
Section Number Section Length (miles)		001 0.39				
SAMMS Number		N/A				
Rating Date		14/2007				
Trail Section Information	011	ТС3				
Surface Type	Adr	nin Road				
Surface Firmness		Hard				
Width (inches) Average Grade (%)		144 8.3				
Average Grade (%) Average X-slope (%)		o.s 3.7				
Trail Condition Informa	ation					
Deferred Maintenance		\$0				
CRV FCI		\$0 0				
Condition	No	0 ot Rated				
			on TOTALS	·]		
Deferred	i i all	Jonull		, 		

Deferred Maintenance	CRV	FCI	Condition
\$0	\$0	0	Not Rated



Deferred CRV Maintenance		FCI	Condition
\$0	\$8338	0	Excellent

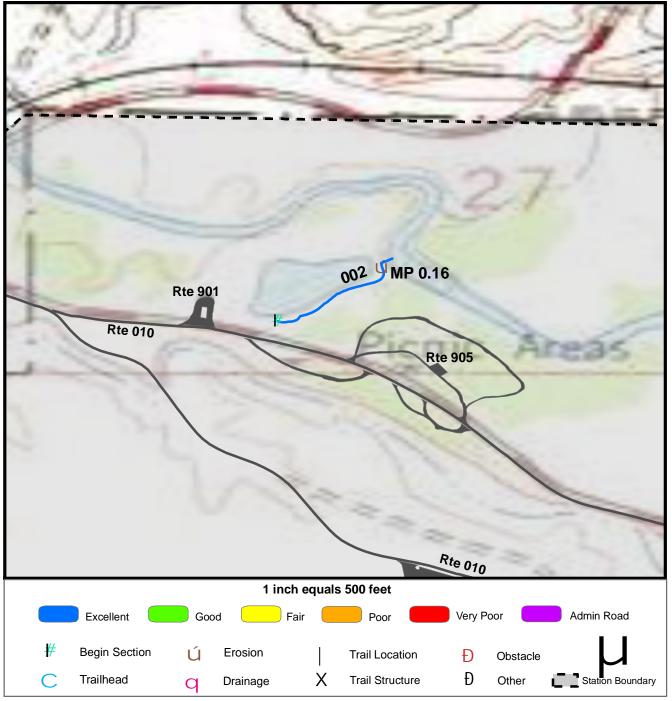
Rie 010		001	P 0.1 MP Rte 100	905 Rte 900 0	Rte 010 Rte 11
	1	inch equa	s 750 feet		
Excellent	Good 🦳	🛛 Fair 🛛 🦲	Poor 🧲	Very Poor	Admin Road
₩ Begin Section	Check Dam		Step Feature Max. Grade	l Gate À Bridge	
C Trailhead	Retaining Wa		) Min. Width	d Bridge 5 Bench	
m Drainage Structure	P Water Bar		G Intersection	Đ Other	Station Boundary
Trail Name: Grassland Trail		Refuc	e Name: Natior	nal Bison Range	2
Trail Number: T400			Region: 6	-	OTAL_LENGTH: <b>0.33 Mil</b> e
Section Number		001			
Section Length (miles)		0.33			
SAMMS Number Rating Date		10026357 7/14/2007			
Trail Section Informati	on				
Trail Class		TC3			
Surface Type		Gravel			
Surface Firmness Width (inches)		Hard 48			
Average Grade (%)		5.9			
Average X-slope (%)		1.5			
Trail Condition Informa	ation				
Deferred Maintenance		\$0			
CRV FCI		\$33787			
Condition		0 Excellent			
	T		tion TOTALS	· · · · · · · · · · · · · · · · · · ·	I
Deferred				, 	

Deferred Maintenance	CRV	FCI	Condition
\$0	\$33787	0	Excellent

			MP 0.07: 1			2	7
MP 0:	0.18 Begin P 0: Th Rte 0	MP 0.	Lookout/C 0.02 001 901 06: Begin Se	003 MP 0.04 002 MP 0.08	Water C	Regin Section	n,
Excellent Excellent Excellent Excellent Frailhead Trailhead Trail Sign Drainage Structure	Go n u h P	1	inch equals	Step Feature Max. Grade Min. Width	Very Poor I Gat à Bric 5 Ber P Oth	lge nch	Road J on Boundary
Trail Name: Nature Traill Trail Number: T500			Refuge	Name: Nation Region: 6		ge	
Region: 6         TOTAL LENGTH: 0.86 Mile           Section Number         001         002         003         004         005           Section Length (miles)         0.08         0.11         0.15         0.07         0.27           SAMMS Number         10026356         10026356         10026356         10026356         10026356         10026356           Rating Date         7/14/2007         7/14/2007         7/14/2007         7/14/2007         7/14/2007           Trail Section Information         TC5         TC5         TC5         TC5         TC3           Surface Type         Asphalt         Asphalt         Asphalt         Asphalt         Native           Surface Firmness         Paved         Paved         Paved         Paved         Paved         Paved         Paved         Hard           Width (inches)         48         48         48         48         28         2.3							
Average X-slope (%) <b>Trail Condition Inform</b> Deferred Maintenance CRV FCI Condition	ation	1	1.9 \$0 \$10108 0 Excellent	1.9 \$60 \$14364 0.004 Excellent	1.9 \$0 \$19607 0 Excellent	1.9 \$0 \$22954 0 Excellent	1.9 \$0 \$32229 0 Excellent
Deferred				ion TOTALS		Cond	

Deferred Maintenance	CRV	FCI	Condition
\$60	\$108988	0.001	Excellent

### TRAIL DEFICIENCY



Trail Name: Nature Traill

#### Refuge Name: National Bison Range

Trail Number: T500		Region: 6	TOTAL LENGTH: 0.86 Miles
Mile Post	0.16		
Section Number	002		
Photo Number	6		
Deficiency	Erosion		
Action	Repair		
Item	Tread -sf		
Quantity	5		
Deferred Maintenance	\$60		

Officient of the second of th	NS -	1		Z	
Rte 901         Rte 905         Rte 905         Inich equals 500 feet         Excellent       Good       Fair       Poor       Very Poor       Admin Road         I       Begin Section         C       Traile Sign       Check Dam         C       Traile Sign       Check Dam         C       Traile Sign       Check Dam         D       Check Dam       Step Feature       Admin Road         If       Relign Section       Check Dam       Step Feature       I       Gate         Trail Sign       Check Dam       Step Feature       I       Gate         Trail Number       Ration Roundary         Trail Number       Colspan="2">Section Number       Colspan= 2         SaMMS Number       Trail Section Information         Trail Class       Trail Class       Trail Class         Surface Firmess       Altrice         Width (inches)       Average Crade			MP 0.25	27	
#       Begin Section       C Check Dam       Step Feature       I       Gate         C       Trail Read       Retaining Wall       Max. Grade       Bridge       Image Structure         M       Drainage Structure       P       Water Bar       G Intersection       D Other       Image Structure         Trail Name: Nature Traill       Refuge Name: National Bison Range         Trail Number: T500       Region: 6       TOTAL LENGTH: 0.86 Miles         Section Number       006       0.18       10026356         Section Information       TC3       Native       10026356         Trail Class       TC3       Native       Native         Surface Type       Native       28       2.3         Average Grade (%)       2.3       2.3         Average X-slope (%)       1.9       1.9         Trail Condition Information       Son       Son         Deferred Maintenance       \$0       \$0         CV       \$9726       \$9726	Rie gui		uals 500 feet	Sarea	5
Trail Number: T500Region: 6TOTAL LENGTH: 0.86 MilesSection Number006Section Length (miles)0.18SAMMS Number10026356Rating Date7/14/2007Trail Section InformationTC3Trail ClassTC3Surface TypeNativeSurface FirmnessHardWidth (inches)28Average Grade (%)2.3Average X-slope (%)1.9Trail Condition InformationDeferred Maintenance\$0CRV\$9726	<ul> <li>Begin Section</li> <li>Trailhead</li> <li>Trail Sign</li> <li>Drainage Structure</li> </ul>	<ul> <li>Check Dam</li> <li>U Retaining Wall</li> <li>A Raised Trail Structure</li> </ul>	Step Feature Max. Grade Min. Width	Gate Bridge Bench	μ
Trail Section InformationTC3Trail ClassTC3Surface TypeNativeSurface FirmnessHardWidth (inches)28Average Grade (%)2.3Average X-slope (%)1.9Trail Condition Information\$0Deferred Maintenance\$0CRV\$9726	Trail Number: T500 Section Number Section Length (miles) SAMMS Number	006 0.18 1002635	Region: 6		ENGTH: 0.86 Miles
Trail Condition Information Deferred Maintenance\$0 \$9726	<b>Trail Section Information</b> Trail Class Surface Type Surface Firmness Width (inches) Average Grade (%)	DAN TC3 Native Hard 28 2.3			
FCI     0       Condition     Excellent         Trail Condition TOTALS	Trail Condition Informa Deferred Maintenance CRV FCI	\$0 \$9726 0 Exceller	nt		

Deferred Maintenance	CRV	FCI	Condition
\$60	\$108988	0.001	Excellent

TRAIL NUMBER: **T300** STATION: National Bison Range DATE: 7/14/2007



Photo # 17 - MP 0.0 - Trailhead



Photo # 16 - MP 0.0 - Sign

TRAIL NUMBER: **T300** STATION: National Bison Range DATE: 7/14/2007



Photo # 18 - MP 0.07 - Begin Section 002



Photo # 19 - MP 0.2 - Sign

TRAIL NUMBER: **T301** STATION: National Bison Range DATE: 7/14/2007



Photo # 21 - MP 0.0 - Trailhead



Photo # 20 - MP 0.0 - Sign

TRAIL NUMBER: **T302** STATION: National Bison Range DATE: 7/14/2007



Photo # 24 - MP 0.0 - Trailhead



Photo # 1 - MP 0.0 - Trailhead

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 2 - MP 0.0 - Trailhead



Photo # 10 - MP 0.0 - Begin Section 004

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 13 - MP 0.02 - Begin Section 005



Photo # 4 - MP 0.06 - Begin Section 002

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 11 - MP 0.07 - Bridge



Photo # 14 - MP 0.07 - Begin Section 006

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 3 - MP 0.08 - Sign



Photo # 5 - MP 0.12 - Sign (Grouped Feature)

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 6 - MP 0.16 - Erosion Deficiency



Photo # 8 - MP 0.16 - Begin Section 003

TRAIL NUMBER: **T500** STATION: National Bison Range DATE: 7/14/2007



Photo # 12 - MP 0.18 - Bridge



Photo # 9 - MP 0.25 - Sign