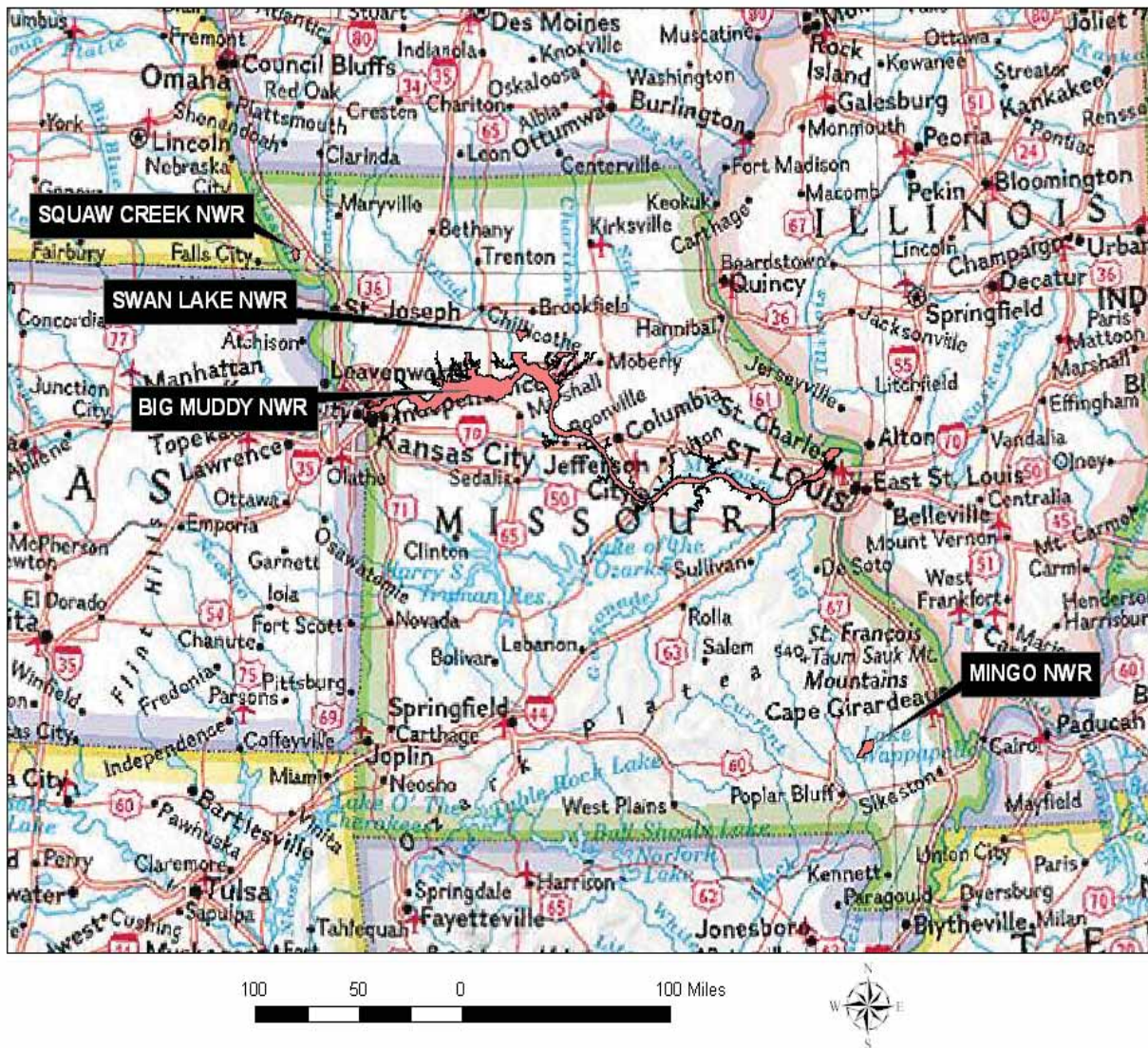


The Trail Inventory of U.S. Fish and Wildlife Service Stations In Missouri



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
February, 2007



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FWS Stations in Missouri with Trails

Station Name	Trail Miles	Chapter
Big Muddy NWR	2.91	2
Mingo NWR	2.60	3
Squaw Creek NWR	1.54	4
Swan Lake NWR	0.40	5

Missouri FWS Stations Trail Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native	1.83	25%		0%	0.19	3%	0.04	1%		0%		0%	2.06
Gravel	1.01	14%	0.15	2%		0%		0%		0%		0%	1.16
Asphalt	0.27	4%		0%	0.06	1%	0.29	4%		0%		0%	0.62
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.23	3%	0.18	2%		0%		0%		0%		0%	0.41
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips	1.62	22%		0%		0%		0%		0%		0%	1.62
Mowed		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%	1.58	21%	1.58
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	4.96	67%	0.33	4%	0.25	3%	0.33	4%	0.00	0%	1.58	21%	7.45

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1	0.81	11%		0%		0%		0%		0%		0%	0.81
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3	1.16	16%		0%	0.19	3%	0.04	1%		0%	0.88	12%	2.27
TC4	2.49	33%	0.15	2%		0%	0.19	3%		0%	0.70	9%	3.53
TC5	0.50	7%	0.18	2%	0.06	1%	0.10	1%		0%		0%	0.84
Totals	4.96	67%	0.33	4%	0.25	3%	0.33	4%	0.00	0%	1.58	21%	7.45

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

The Trail Inventory of Big Muddy National Wildlife Refuge Columbia, Missouri



**Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
October 2006**



Big Muddy NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native		0%		0%		0%	0.04	1%		0%		0%	0.04
Gravel	0.74	25%	0.15	5%		0%		0%		0%		0%	0.89
Asphalt		0%		0%		0%		0%		0%		0%	0.00
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	1.10	38%		0%		0%		0%		0%		0%	1.10
Mowed		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%	0.88	30%	0.88
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	1.84	63%	0.15	5%	0.00	0%	0.04	1%	0.00	0%	0.88	30%	2.91

Trail Miles and Percentages by Trail Classification and Condition

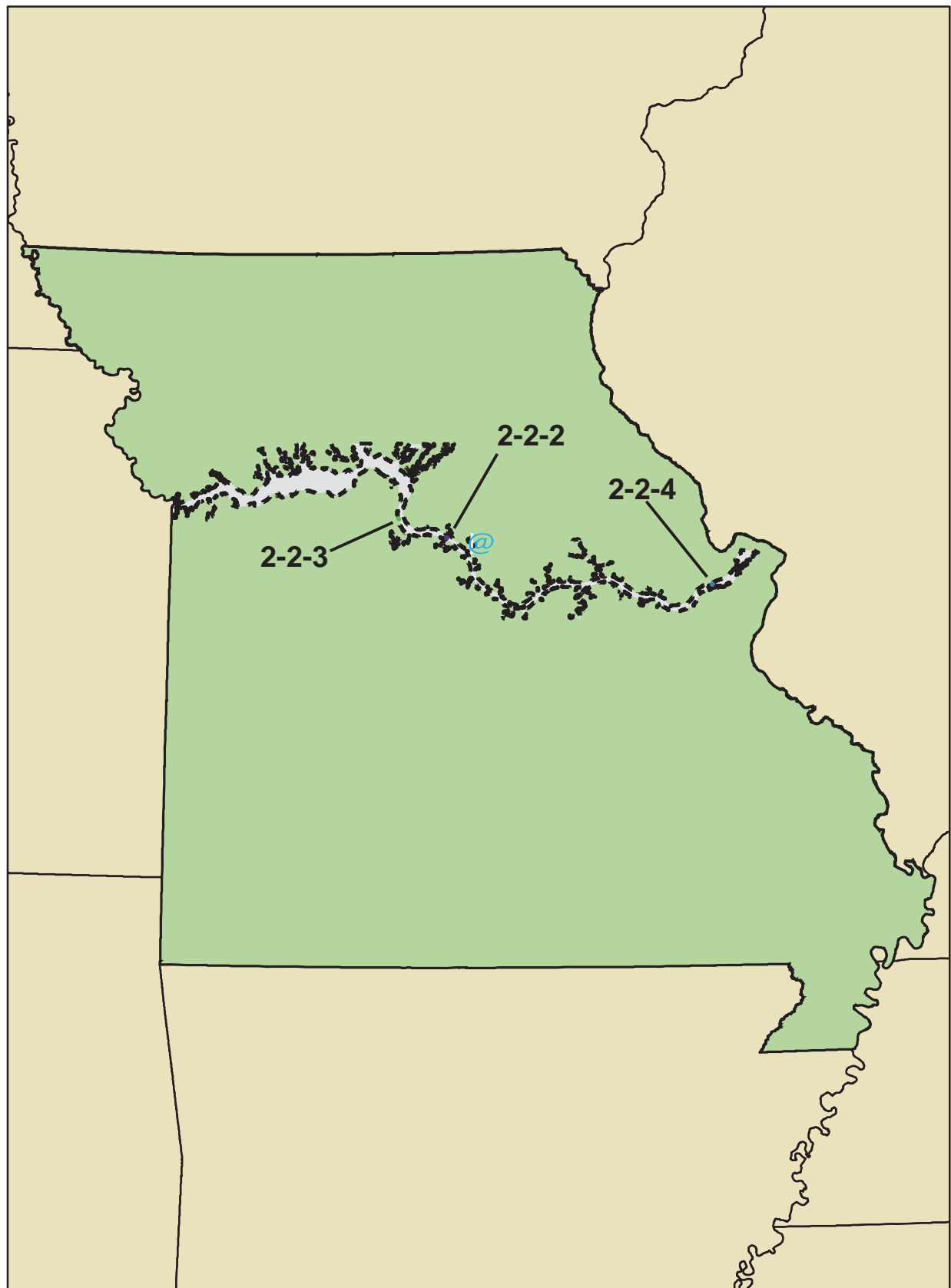
Trail Classificatio n	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3		0%		0%		0%	0.04	1%		0%	0.88	30%	0.92
TC4	1.84	63%	0.15	5%		0%		0%		0%		0%	1.99
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	1.84	63%	0.15	5%	0.00	0%	0.04	1%	0.00	0%	0.88	30%	2.91

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

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Gate	1	No	0.00	N/A
T400	Sign	1	No	0.00	1736
T400	Sign	2	No	0.00	1737
T400	Sign	5	Yes	0.14	1740
T400	Sign	2	No	0.14	1741-2
T400	Bench	1	No	0.15	N/A
T400	Bench	1	No	0.36	N/A
T400	Sign	1	No	0.36	1743
T400	Water Bar:Wood -each	1	No	0.65	N/A
T401	Sign	1	No	0.00	1755
T401	Boardwalk -lf	8	No	0.07	1759
T401	Bridge -sf	450	No	0.14	1761
T401	Step: Log -each	16	No	0.15	N/A
T401	Water Bar:Wood -each	6	No	0.15	N/A
T401	Crib: Log -cf	53	No	0.16	N/A
T402	Gate	1	No	0.00	N/A
T402	Sign	4	No	0.00	1771
T402	Culvert -lf	240	No	0.01	N/A
sf-square feet lf-linear feet cf-cubic feet					

BIG MUDDY NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



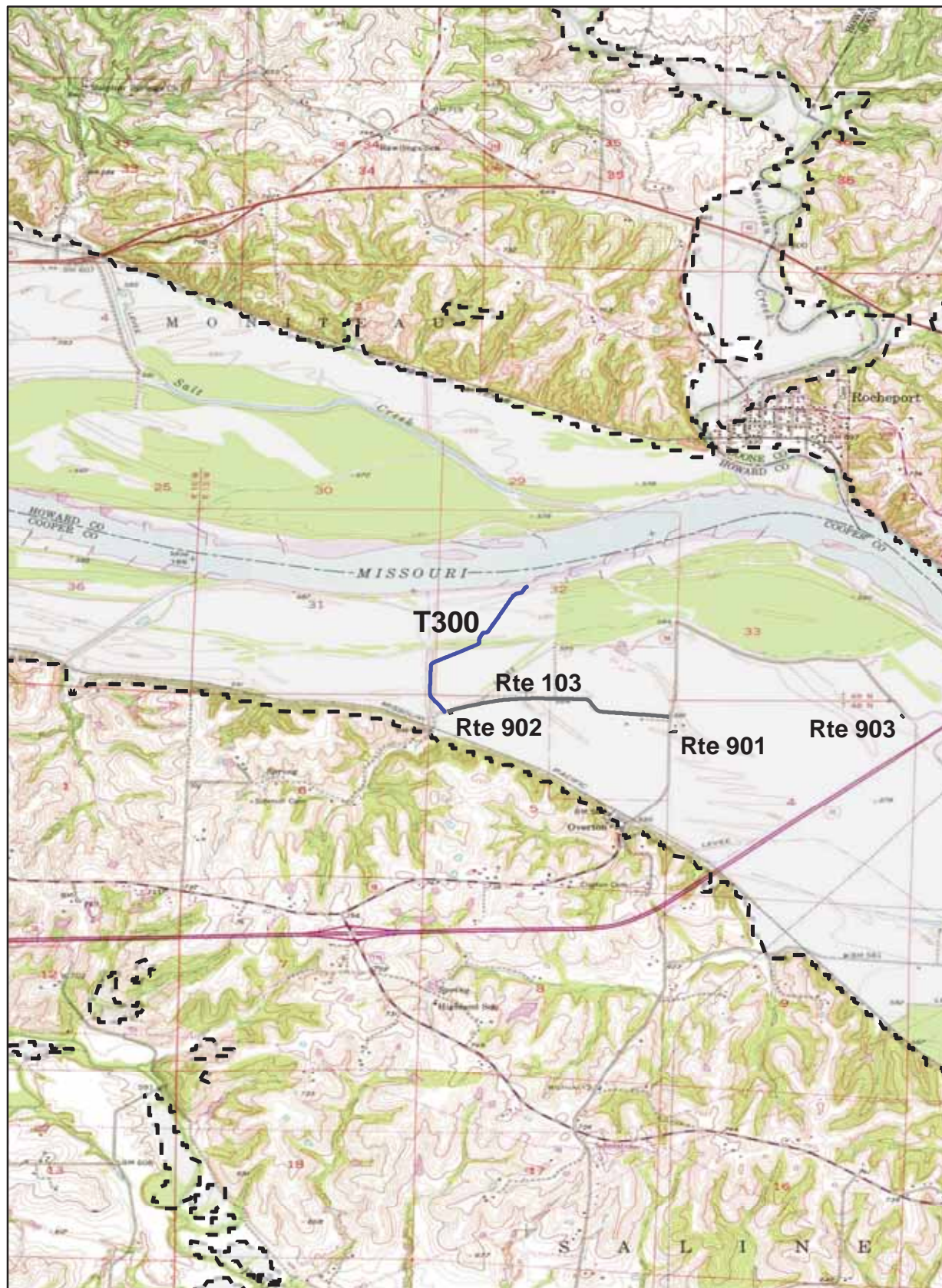
Station Boundary



HQ/VC

0 50 100 Miles

BIG MUDDY NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP

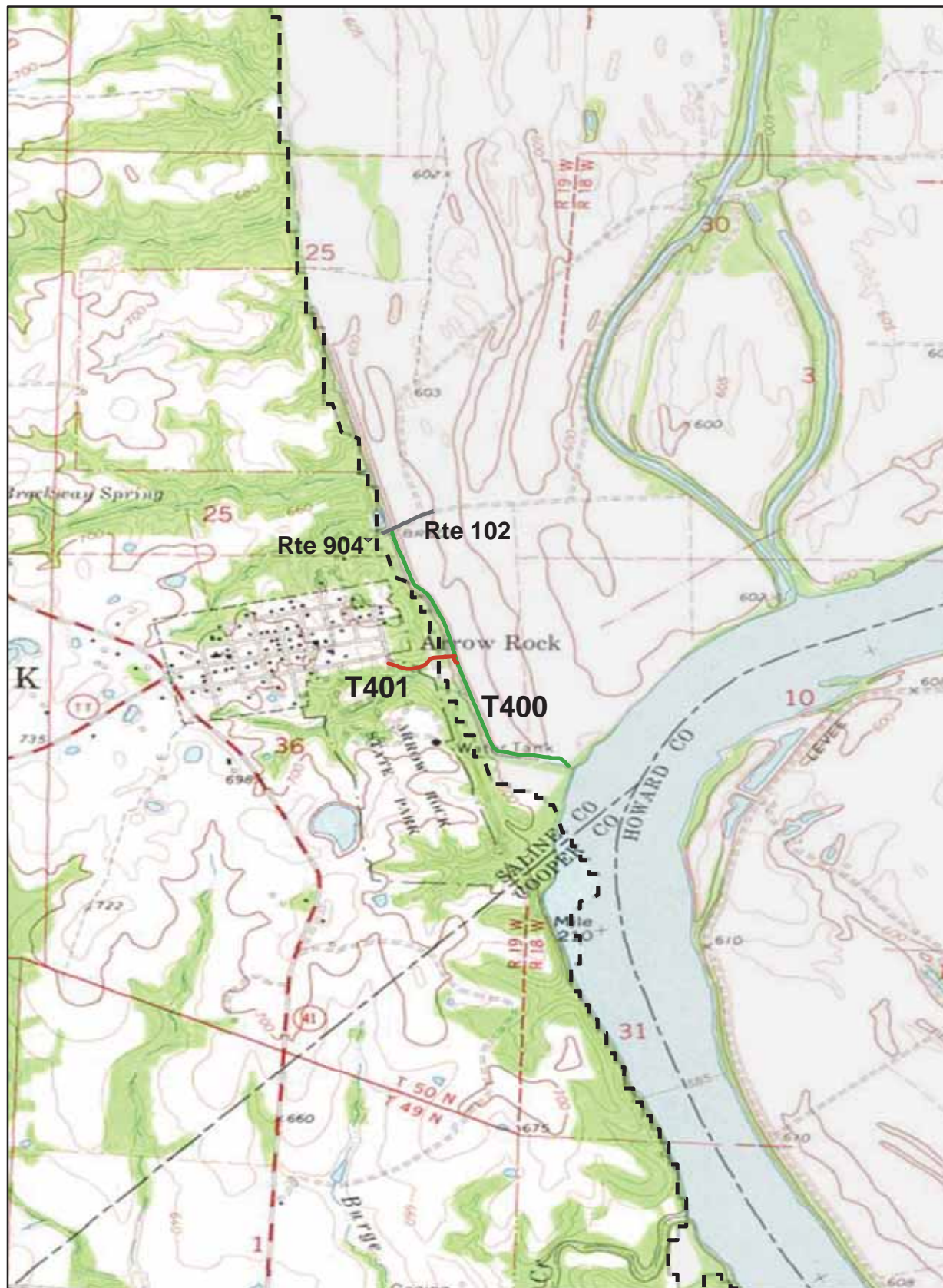


 Station Boundary

@ HQ/VC


 Miles
0 0.5 1

BIG MUDDY NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP

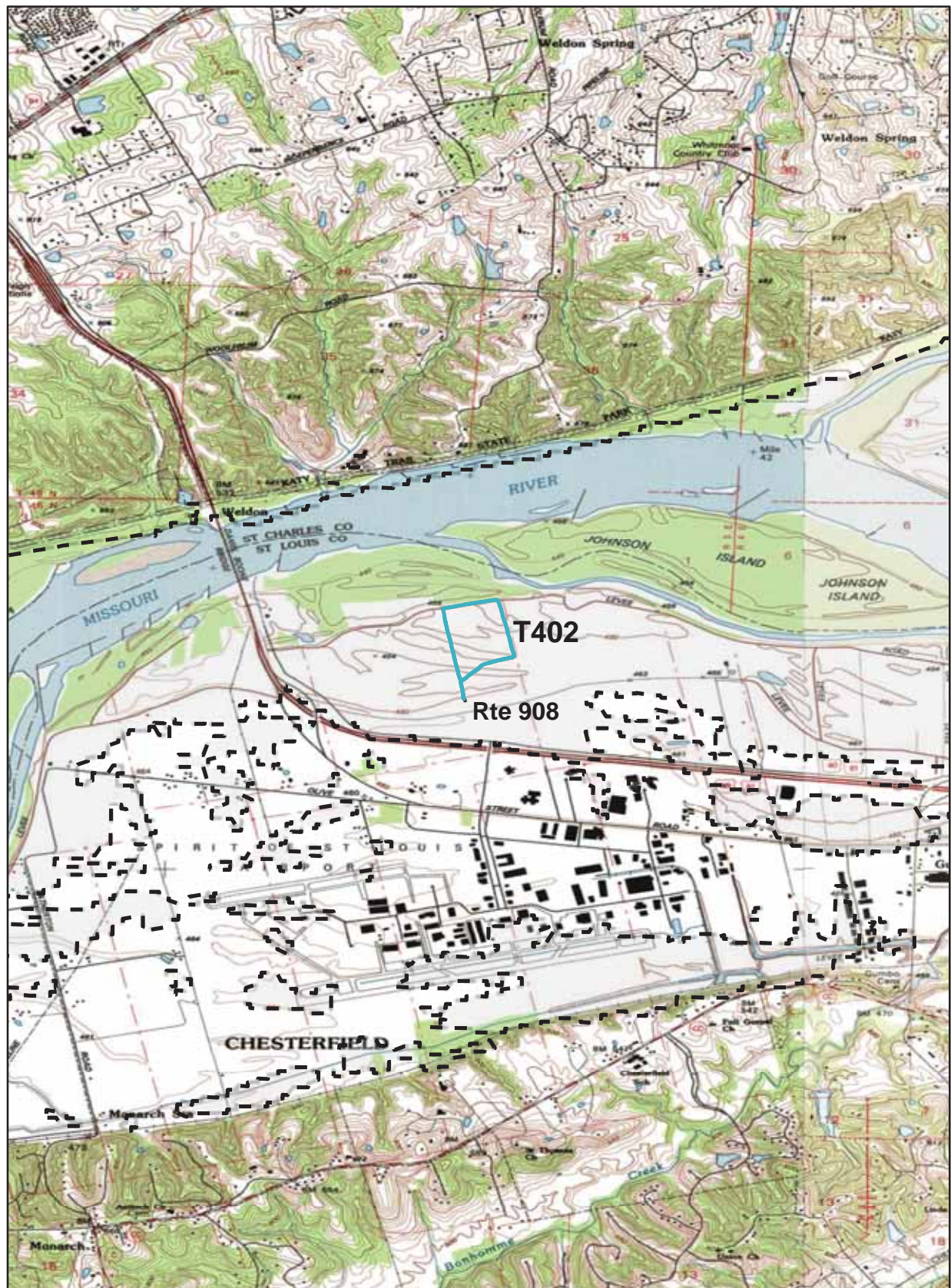


 Station Boundary

 HQ/VC


 Miles
0 0.25 0.5

BIG MUDDY NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

@ HQ/VC

 Miles
0 0.5 1

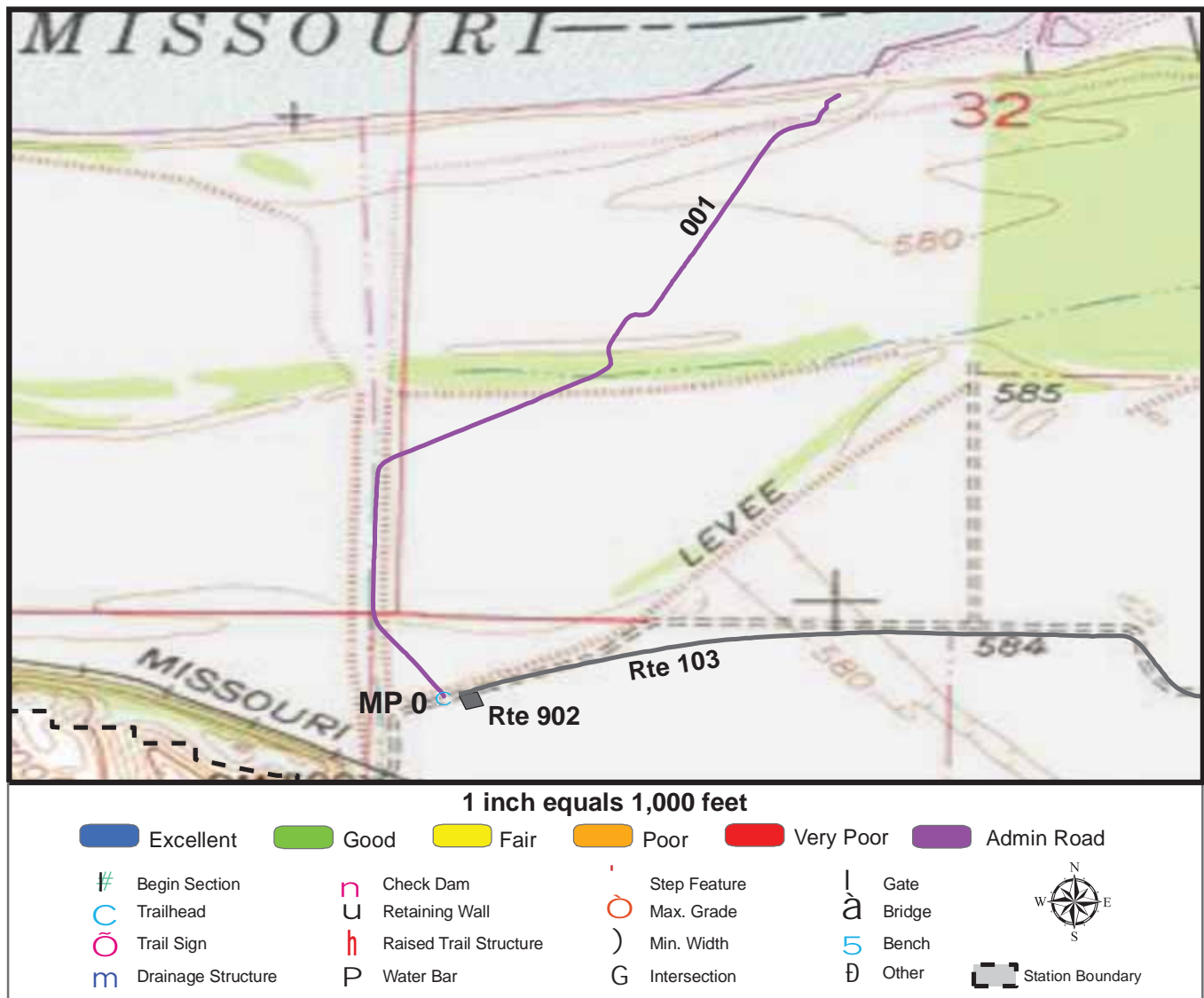
TRAILS ID

Station Name: Big Muddy NWR

Org. Code: 33590

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Overton Bottoms Trail	Admin Road	10051878	0.88	From Overton Bottoms Parking Area "B" (Rte 902) to end of trail
T400	Lewis and Clark Trail of Discovery	Gravel, Native	10042856	0.76	From Jameson Island Access Road (Rte 102) to end of trail
T401	Historic River Landing Trail	Gravel	10055724	0.17	From Shelter Dr. to Lewis and Clark Trail of Discovery (T400)
T402	Boone's Crossing Trail	Wood Chip	N/A	1.10	From Boone's Crossing Parking Area (Rte 908) to end of loop

TRAIL CONDITION



Trail Name: Overton Bottoms Trail

Refuge Name: Big Muddy NWR

Trail Number: T300

Region: 3

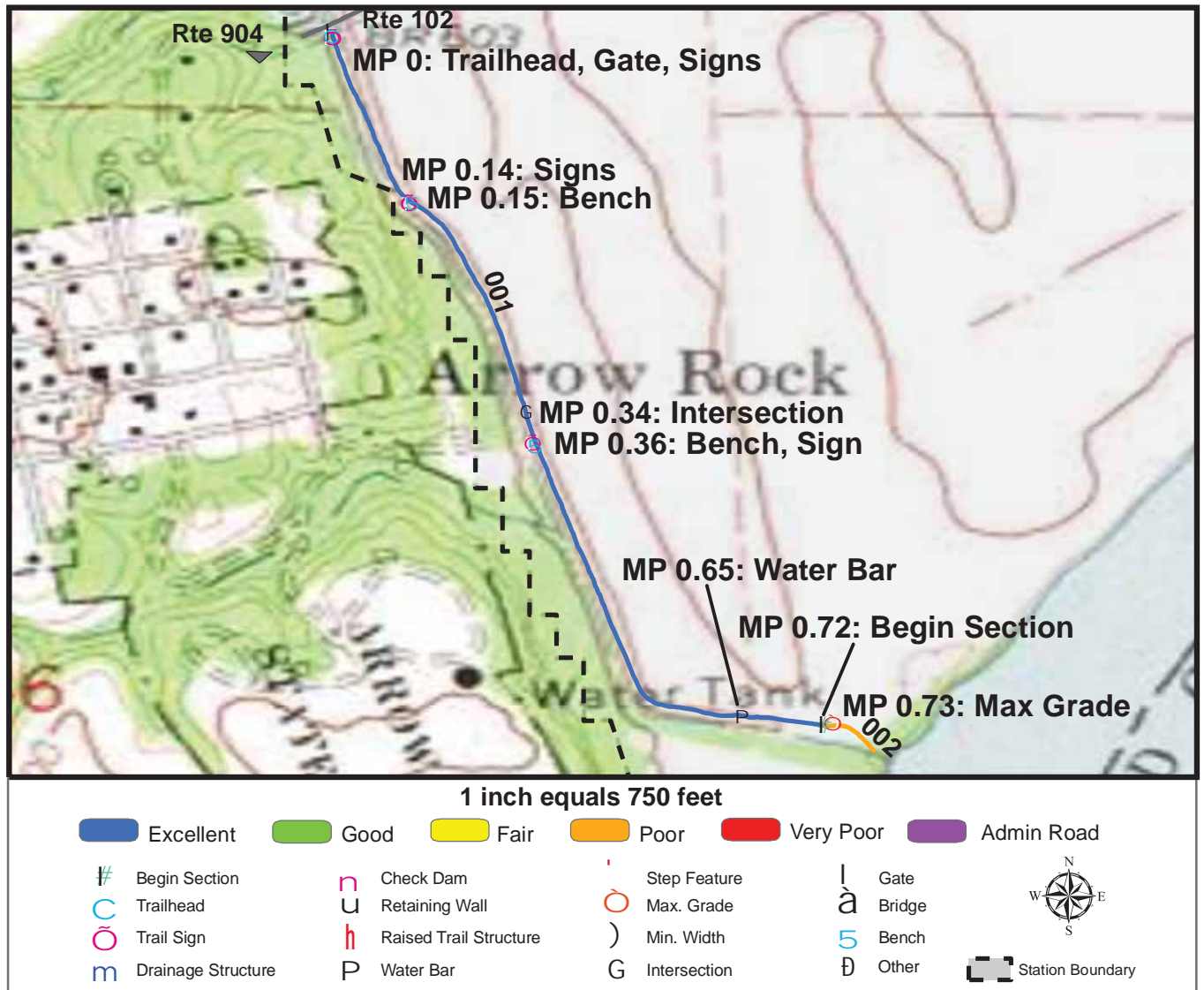
TOTAL LENGTH: 0.88 Miles

Section Number	001				
Section Length (miles)	0.88				
SAMMS Number	10051878				
Rating Date	10/17/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	120				
Average Grade (%)	0				
Average X-slope (%)	0				
Trail Condition Information					
Deferred Maintenance	\$0				
CRV	\$0				
FCI	0				
Condition	Not Rated				

Trail Condition TOTALS

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

TRAIL CONDITION



Trail Name: Lewis and Clark Trail of Discovery

Refuge Name: Big Muddy NWR

Trail Number: T400

Region: 3

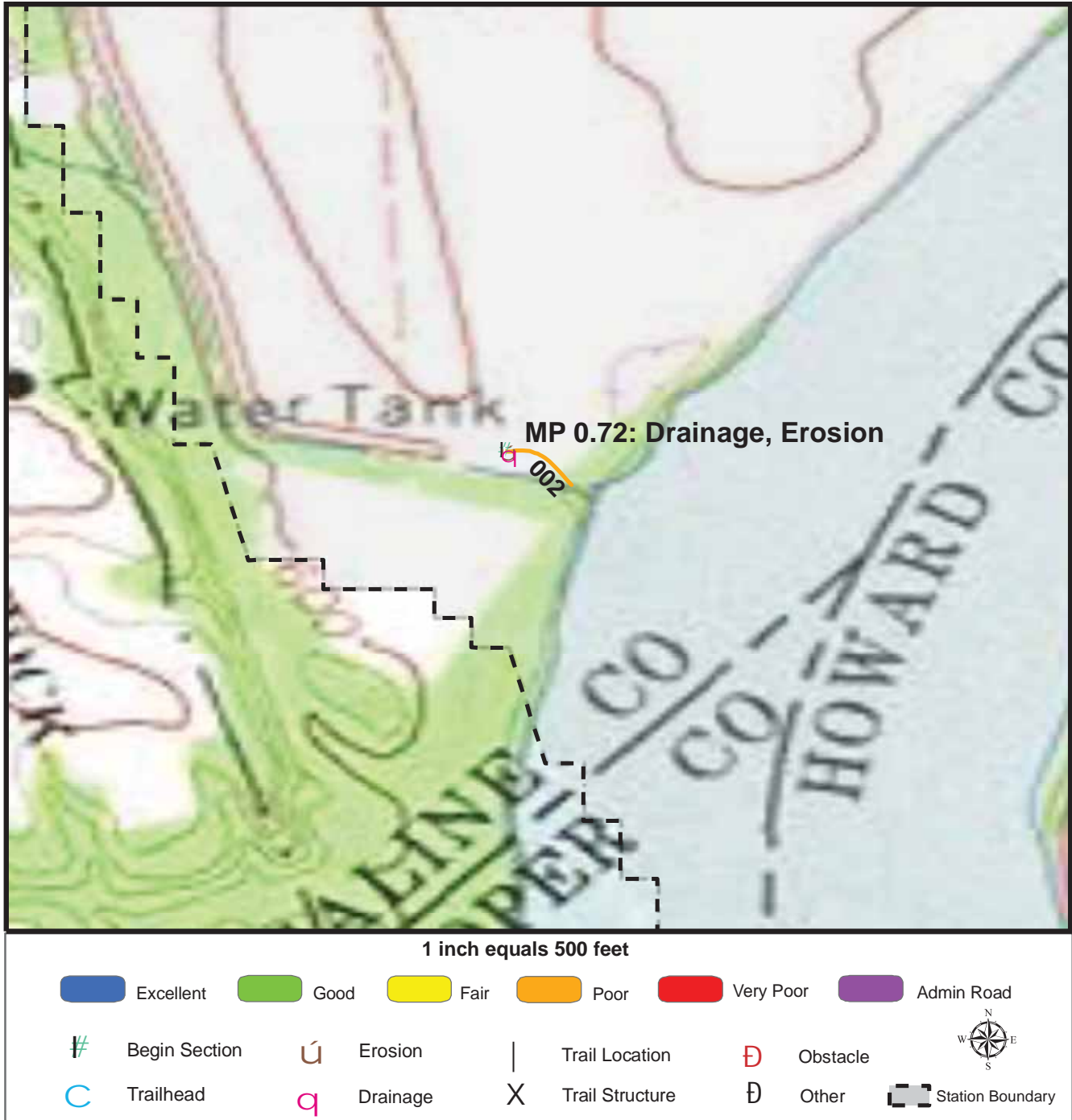
TOTAL LENGTH: 0.76 Miles

Section Number	001	002			
Section Length (miles)	0.72	0.04			
SAMMS Number	10042856	10042856			
Rating Date	10/17/2006	10/17/2006			
Trail Section Information					
Trail Class	TC4	TC3			
Surface Type	Gravel	Native			
Surface Firmness	Firm	Firm			
Width (inches)	85	85			
Average Grade (%)	3.3	3.3			
Average X-slope (%)	5	5			
Trail Condition Information					
Deferred Maintenance	\$0	\$799			
CRV	\$139947	\$7266			
FCI	0	0.11			
Condition	Excellent	Poor			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$799	\$147213	0.005	Excellent

TRAIL DEFICIENCY



Trail Name: Lewis and Clark Trail of Discovery

Refuge Name: Big Muddy NWR

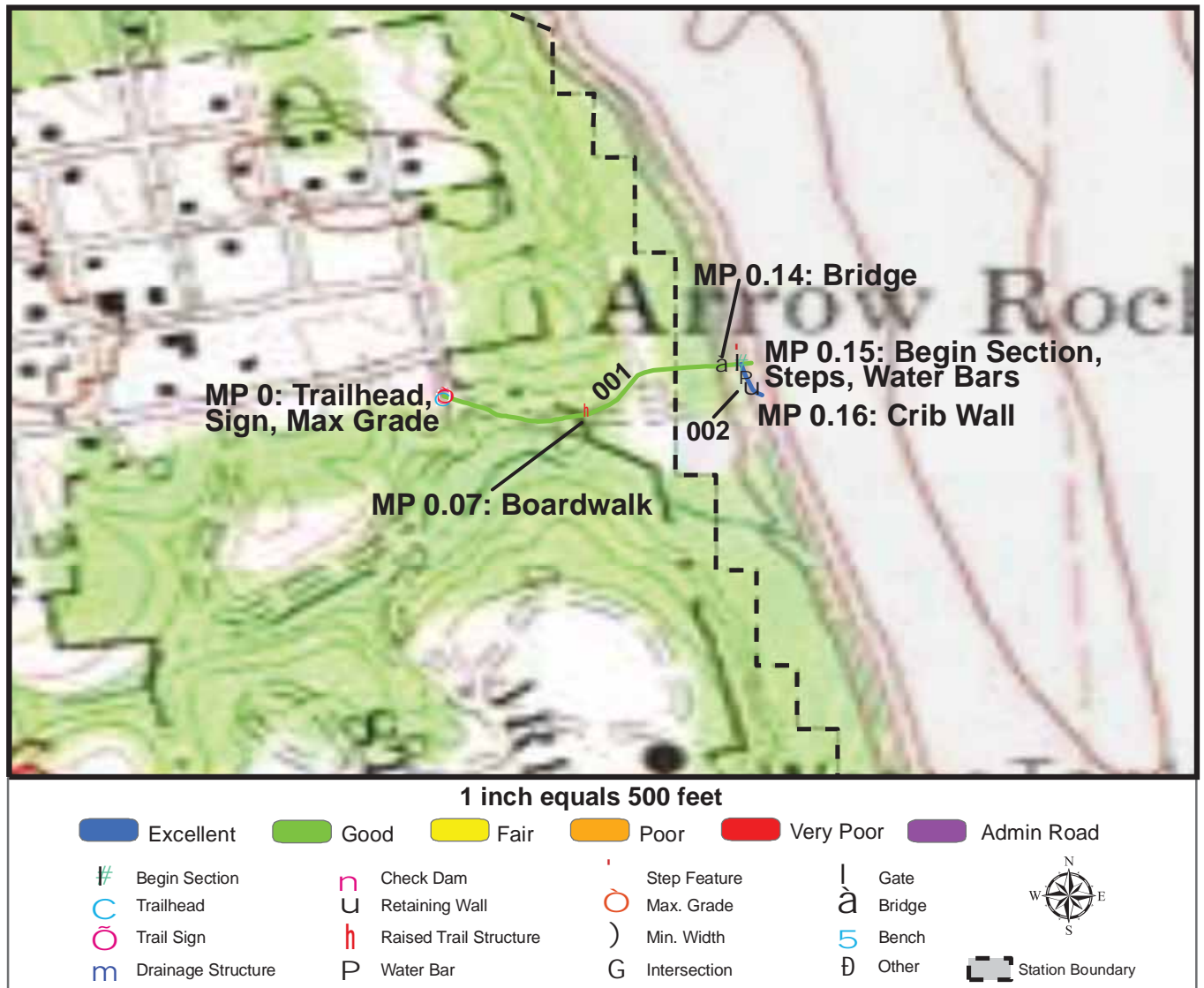
Trail Number: T400

Region: 3

TOTAL LENGTH: 0.76 Miles

Mile Post	0.72	0.72		
Section Number	002	002		
Photo Number	1747	1747		
Deficiency	Erosion	Drainage		
Action	Build/Add	Repair		
Item	Water Bar:Wood -each	Tread -sf		
Quantity	3	175		
Deferred Maintenance	\$300	\$500		

TRAIL CONDITION



Trail Name: Historic River Landing Trail

Refuge Name: Big Muddy NWR

Trail Number: T401

Region: 3

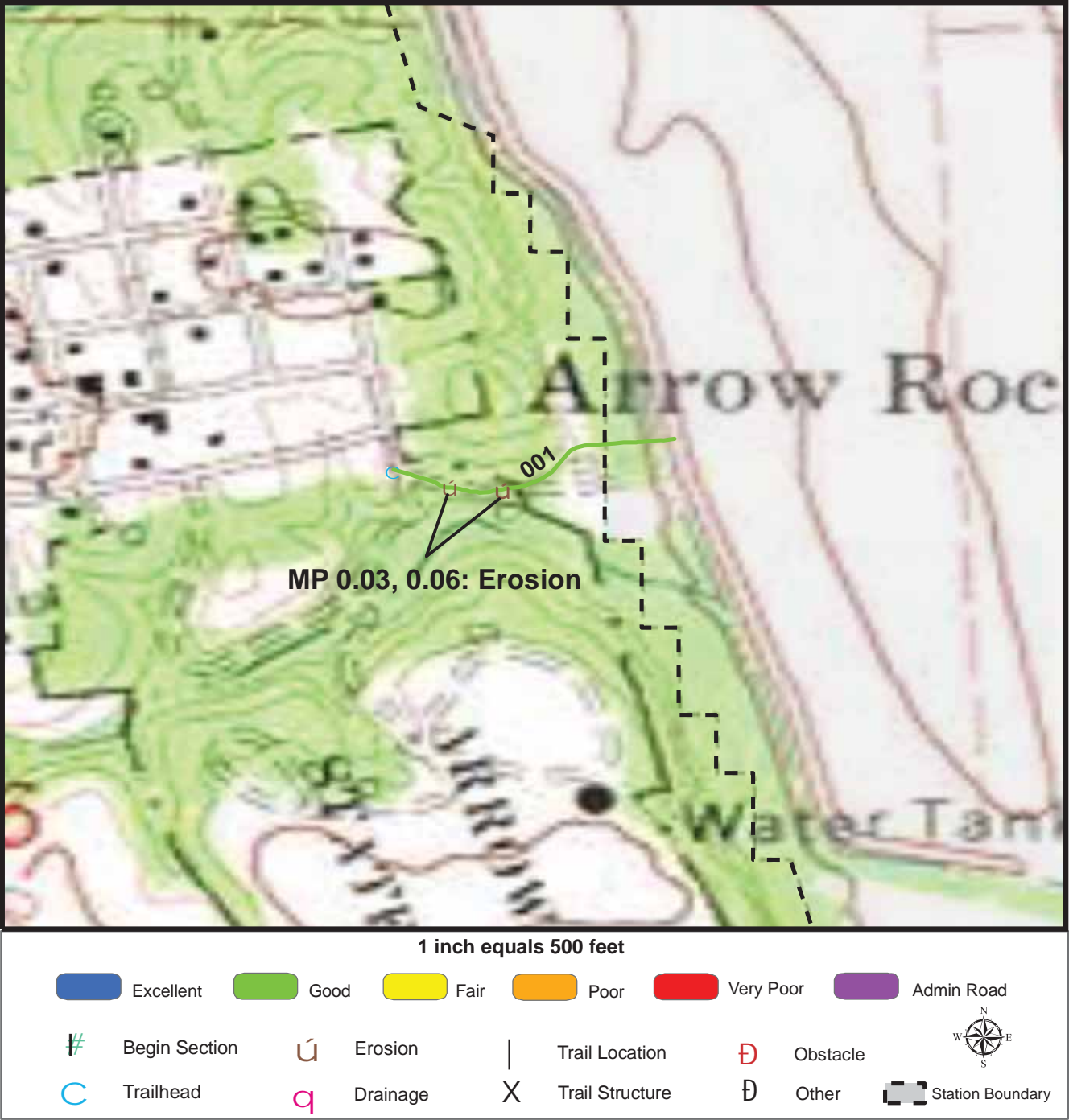
TOTAL LENGTH: 0.17 Miles

Section Number	001	002			
Section Length (miles)	0.15	0.02			
SAMMS Number	10055724	10055724			
Rating Date	10/17/2006	10/17/2006			
Trail Section Information					
Trail Class	TC4	TC4			
Surface Type	Gravel	Gravel			
Surface Firmness	Firm	Firm			
Width (inches)	84	50			
Average Grade (%)	7.9	7.9			
Average X-slope (%)	5.2	5.2			
Trail Condition Information					
Deferred Maintenance	\$1017	\$0			
CRV	\$57500	\$34412			
FCI	0.018	0			
Condition	Good	Excellent			

Trail Condition TOTALS

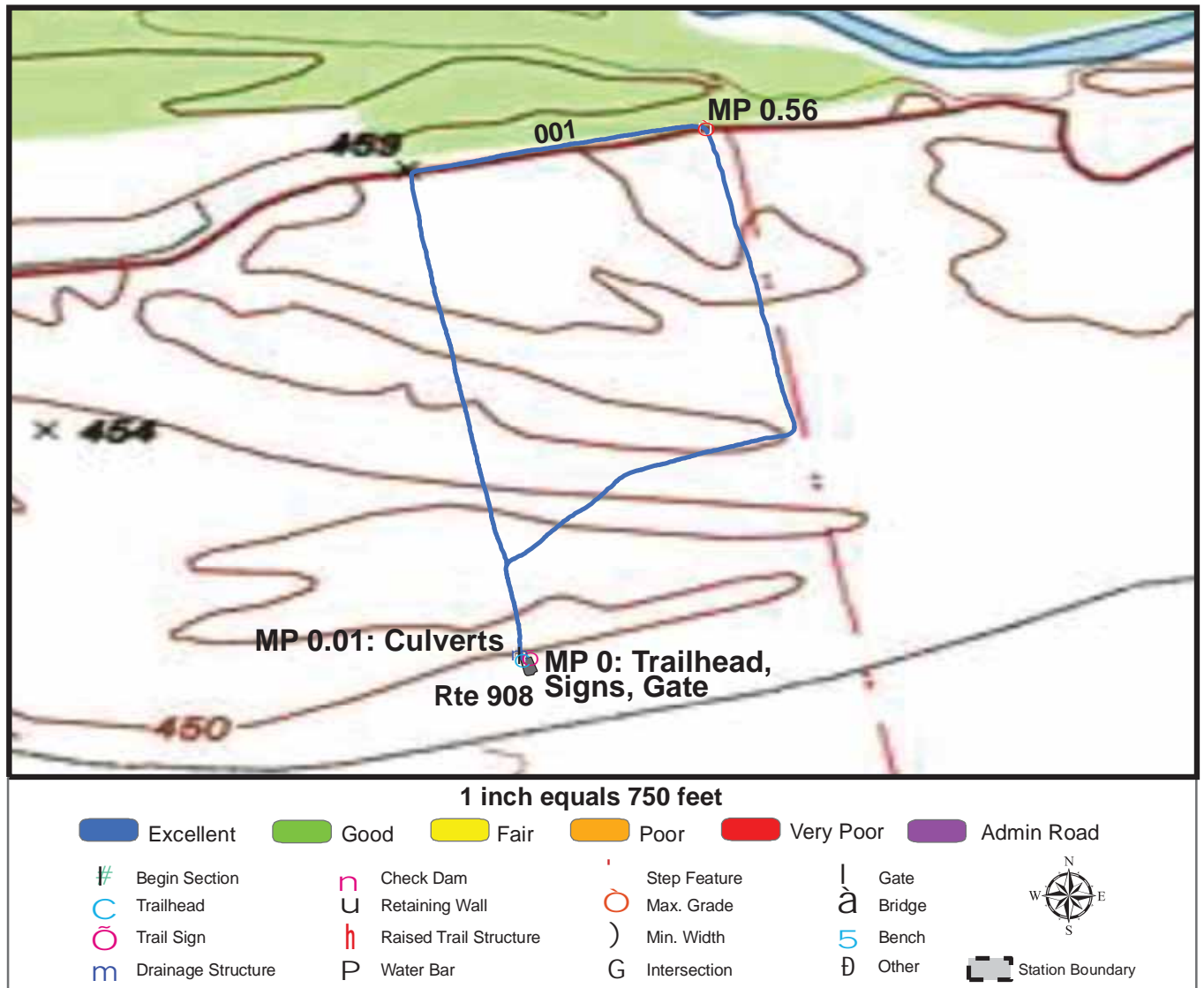
Deferred Maintenance	CRV	FCI	Condition
\$1017	\$91912	0.011	Good

TRAIL DEFICIENCY



Trail Name:	Historic River Landing Trail		Refuge Name:	Big Muddy NWR	
Trail Number:	T401		Region:	3	
				TOTAL LENGTH: 0.17 Miles	
Mile Post	0.03	0.06	0.06		
Section Number	001	001	001		
Photo Number	1757	1758	1758		
Deficiency	Erosion	Erosion	Erosion		
Action	Build/Add	Build/Add	Repair		
Item	Water Bar:Wood -each	Water Bar:Wood -each	Tread -sf		
Quantity	3	4	75		
Deferred Maintenance	\$300	\$400	\$200		

TRAIL CONDITION



Trail Name: Boone's Crossing Trail

Refuge Name: Big Muddy NWR

Trail Number: T402

Region: 3

TOTAL LENGTH: 1.1 Miles

Section Number	001				
Section Length (miles)	1.1				
SAMMS Number	N/A				
Rating Date	10/17/2006				
Trail Section Information					
Trail Class	TC4				
Surface Type	Wood Chip				
Surface Firmness	Firm				
Width (inches)	100				
Average Grade (%)	0.6				
Average X-slope (%)	2.4				
Trail Condition Information					
Deferred Maintenance	\$0				
CRV	\$143163				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$143163	0	Excellent

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1769 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1735 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1736 - MP 0.0 - Sign

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1737 - MP 0.0 - Signs

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1740 - MP 0.14 - Sign (Grouped)

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006

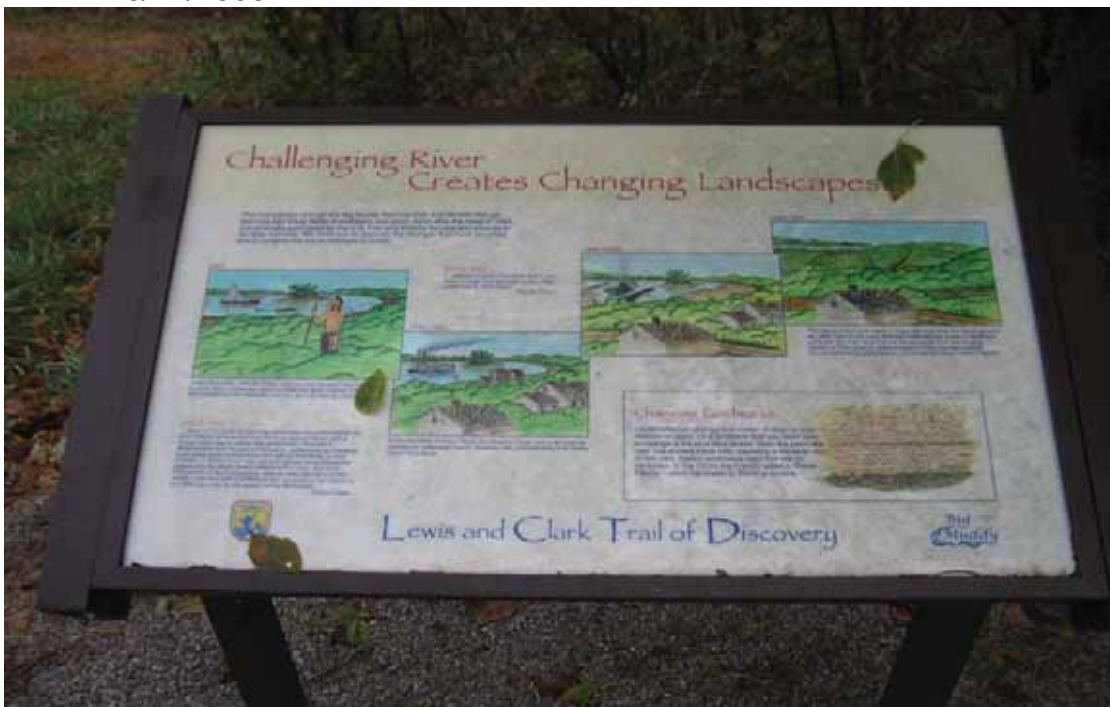


Photo # 1741-2 - MP 0.14 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1743 - MP 0.36 - Sign

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1747 - MP 0.72 - Erosion Deficiency, Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1746 - MP 0.72 - Begin Section 002

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1756 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1755 - MP 0.0 - Sign

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1757 - MP 0.03 - Erosion Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1758 - MP 0.06 - Erosion Deficiency

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1759 - MP 0.07 - Boardwalk

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1761 - MP 0.14 - Bridge

TRAIL NUMBER: **T401**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1763 - MP 0.15 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1772 - MP 0.0 - Trailhead

TRAIL NUMBER: **T402**

STATION: Big Muddy NWR

DATE: 10/17/2006



Photo # 1771 - MP 0.0 - Signs

The Trail Inventory of Mingo National Wildlife Refuge Puxico, Missouri



**Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
October 2006**



Mingo NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native	1.37	53%		0%	0.19	7%		0%		0%		0%	1.56
Gravel	0.25	10%		0%		0%		0%		0%		0%	0.25
Asphalt	0.03	1%		0%	0.06	2%	0.29	11%		0%		0%	0.38
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.23	9%	0.18	7%		0%		0%		0%		0%	0.41
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%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	1.88	72%	0.18	7%	0.25	10%	0.29	11%	0.00	0%	0.00	0%	2.60

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1	0.81	31%		0%		0%		0%		0%		0%	0.81
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3	0.56	22%		0%	0.19	7%		0%		0%		0%	0.75
TC4	0.25	10%		0%		0%	0.19	7%		0%		0%	0.44
TC5	0.26	10%	0.18	7%	0.06	2%	0.10	4%		0%		0%	0.60
Totals	1.88	72%	0.18	7%	0.25	10%	0.29	11%	0.00	0%	0.00	0%	2.60

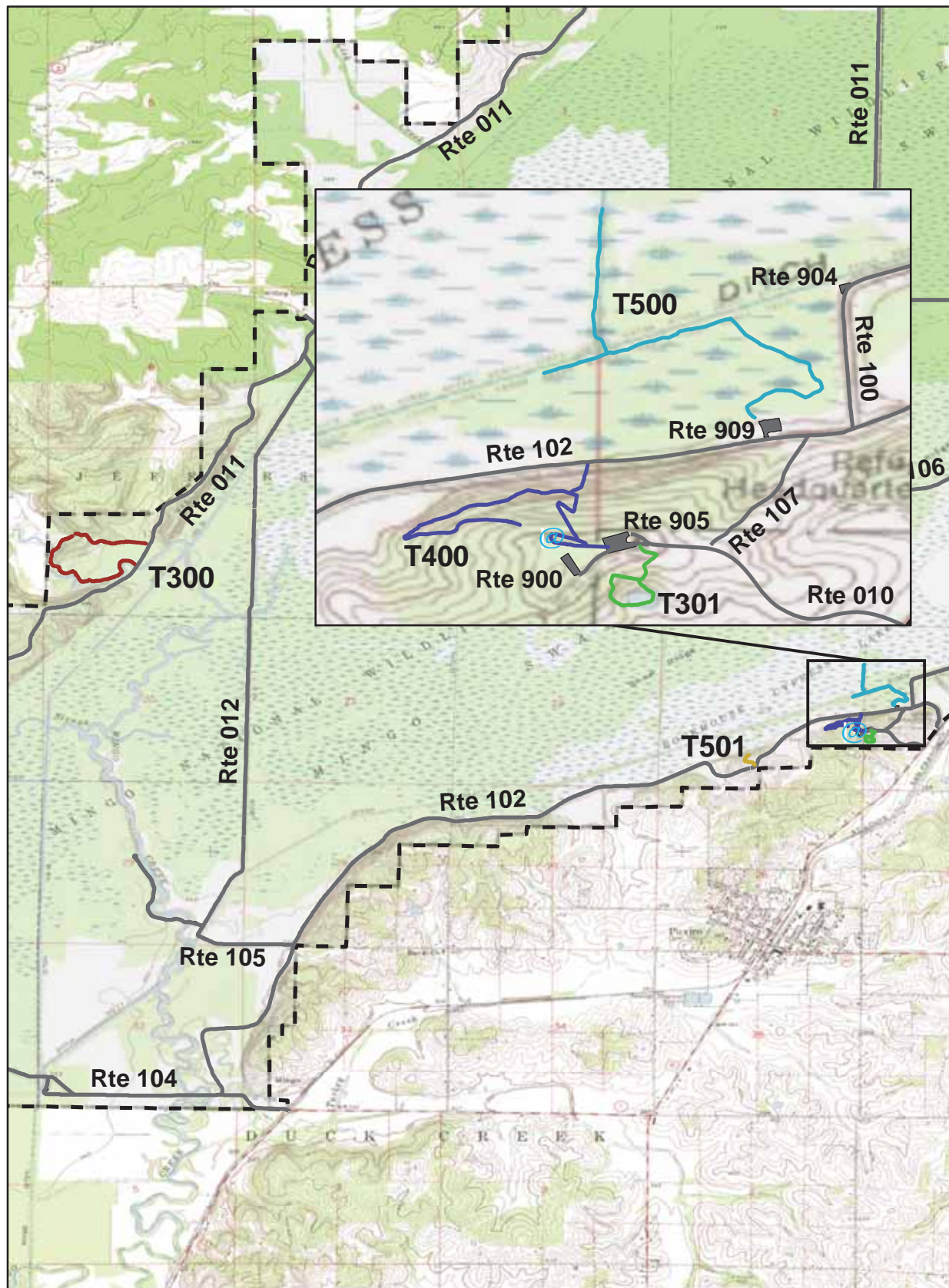
* Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Other	1	No	0.39	1797
T300	Sign	1	No	0.39	1799
T300	Boardwalk -lf	55	No	0.57	1805
T300	Boardwalk -lf	15	No	0.73	1806
T301	Sign	1	No	0.00	1830
T301	Bench	1	No	0.06	N/A
T301	Bridge -sf	48	No	0.07	1833
T301	Culvert -lf	6	No	0.15	N/A
T301	Bridge -sf	55	No	0.17	1834
T301	Culvert -lf	15	No	0.18	N/A
T400	Sign	1	No	0.02	1815
T400	Sign	1	No	0.02	1819
T400	Step: Rock -each	12	Yes	N/A	N/A
T400	Sign	1	No	0.03	1820
T400	Crib: Log -cf	100	No	0.05	N/A
T400	Sign	3	Yes	N/A	1817
T400	Water Bar:Rock -each	6	Yes	N/A	N/A
T400	Sign	1	No	0.05	1822
T400	Step: Rock -each	8	No	0.07	N/A
T400	Bench	1	No	0.08	N/A
T400	Step: Rock -each	2	No	0.10	N/A
T400	Step: Rock -each	3	No	0.11	N/A
T400	Bench	1	No	0.11	N/A
T400	Sign	1	No	0.12	1825
T400	Step: Rock -each	16	No	0.13	N/A
T400	Boardwalk -lf	90	No	0.15	1824
T400	Bench	1	No	0.30	N/A
T400	Lookout/Ob Deck	1	No	0.38	N/A
T400	Sign	1	No	0.41	1829
T500	Sign	1	No	0.00	1777
T500	Sign	1	No	0.00	1778
T500	Bench	1	No	0.08	N/A
T500	Sign	12	Yes	N/A	1779
T500	Bench	1	No	0.20	N/A
T500	Bridge -sf	300	No	0.25	1782
T500	Bench	1	No	0.36	N/A
T500	Bench	1	No	0.42	N/A
T500	Lookout/Ob Deck	1	No	0.54	N/A
T501	Sign	2	No	0.01	1791
T501	Bench	1	No	0.06	N/A
T501	Lookout/Ob Deck	1	No	0.10	N/A

sf-square feet
lf-linear feet
cf-cubic feet

MINGO NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

 HQ/VC

 Miles
0 0.4 0.8

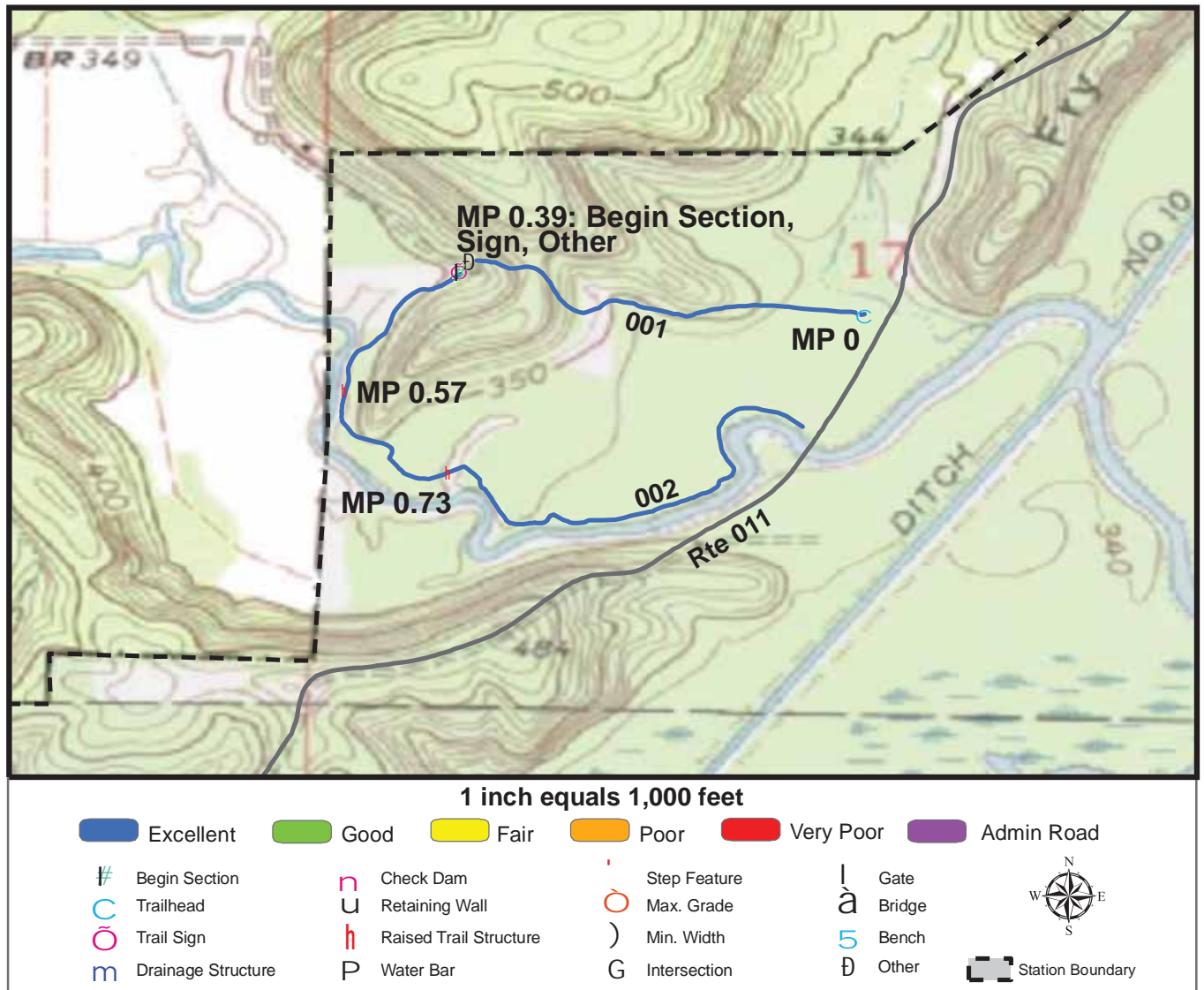
TRAILS ID

Station Name: Mingo NWR

Org. Code: 33540

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Sweets Cabin Trail	Native	N/A	1.20	From Refuge Auto Tour Route (Rte 011) north turnout to Refuge Auto Tour Route (Rte 011) south turnout
T301	Hartz Pond Trail	Native	10013023	0.19	From Visitor Center Entrance Road (Rte 010) to end of loop
T400	Bluff Trail	Native, Gravel, Asphalt	10013006	0.51	From Bluff Tower Parking Area (Rte 905) to HQ/VC
T500	Boardwalk Nature Trail	Boardwalk, Asphalt	10013005	0.60	From Boardwalk Nature Trail South Parking (Rte 909) to Lookout/observation deck
T501	Rockhouse Marsh Overlook Trail	Asphalt	N/A	0.10	From Bluff Road (Rte 102) turnout/parking to Lookout/observation deck

TRAIL CONDITION



Trail Name: Sweets Cabin Trail

Refuge Name: Mingo NWR

Trail Number: T300

Region: 3

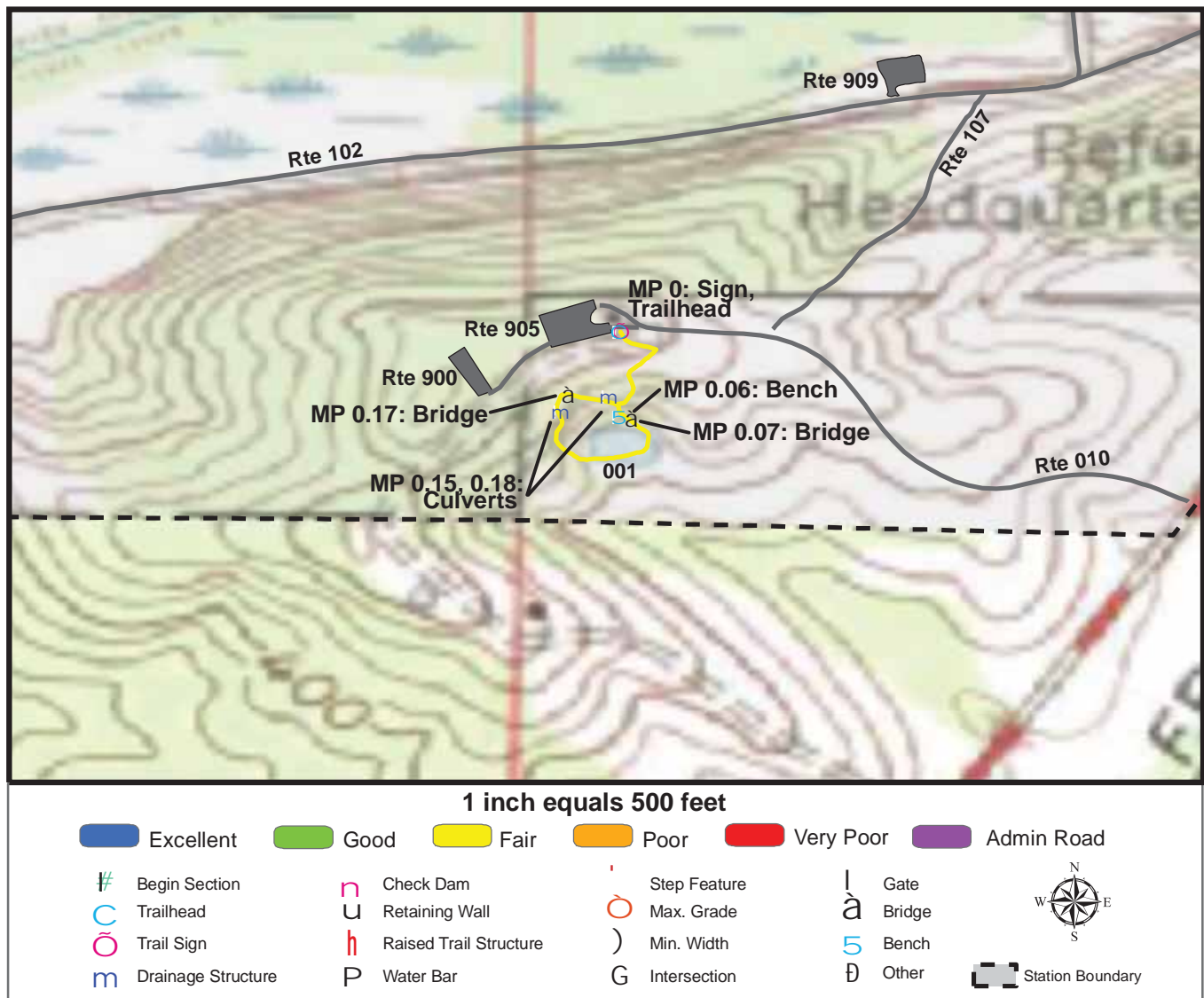
TOTAL LENGTH: 1.2 Miles

Section Number	001	002		
Section Length (miles)	0.39	0.81		
SAMMS Number	N/A	N/A		
Rating Date	10/18/2006	10/18/2006		
Trail Section Information				
Trail Class	TC3	TC1		
Surface Type	Native	Native		
Surface Firmness	Firm	Firm		
Width (inches)	100	50		
Average Grade (%)	10.7	10.7		
Average X-slope (%)	2.9	2.9		
Trail Condition Information				
Deferred Maintenance	\$0	\$0		
CRV	\$75834	\$82050		
FCI	0	0		
Condition	Excellent	Excellent		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$157884	0	Excellent

TRAIL CONDITION



Trail Name: Hartz Pond Trail

Refuge Name: Mingo NWR

Trail Number: T301

Region: 3

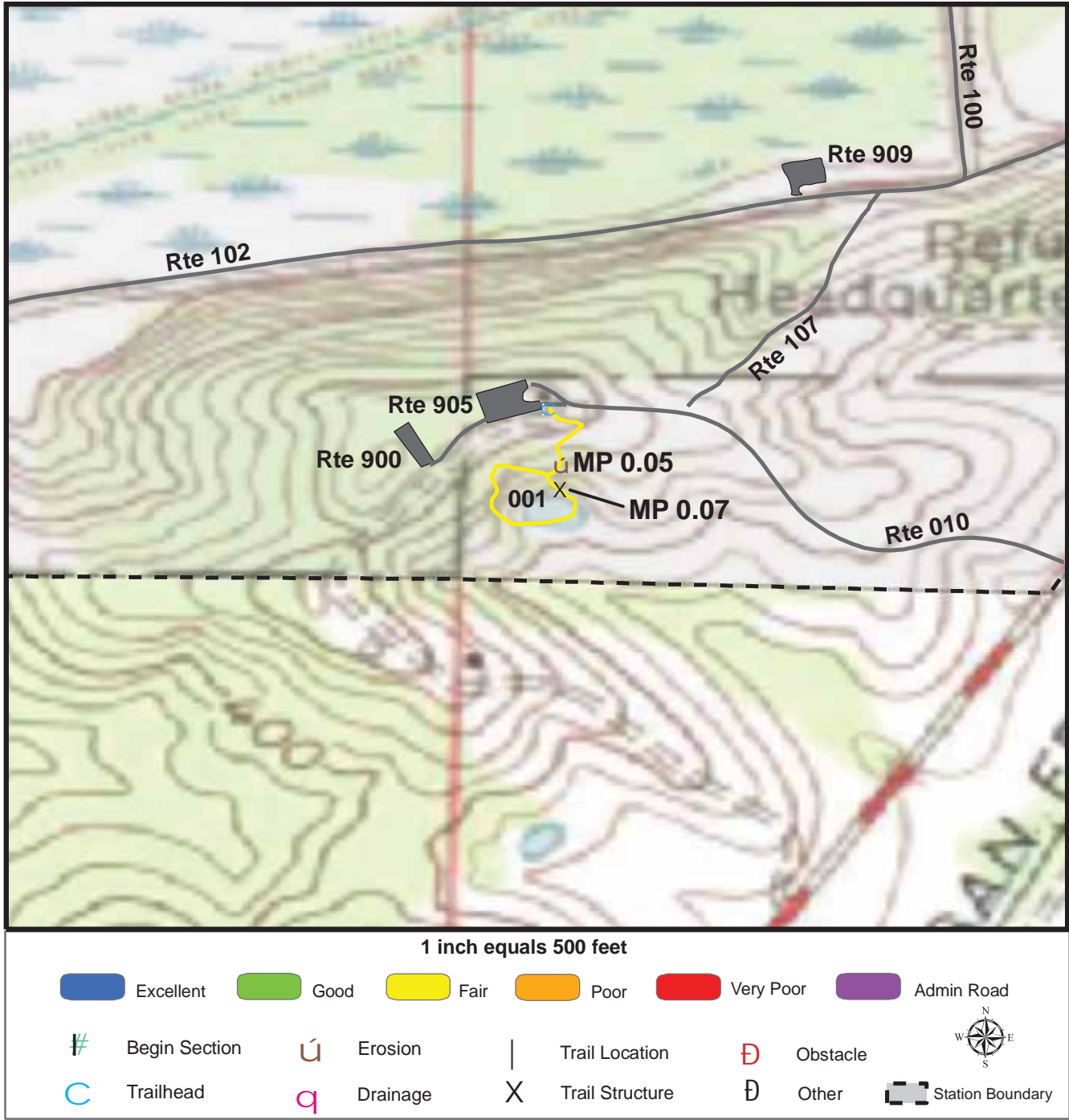
TOTAL LENGTH: 0.19 Miles

Section Number	001				
Section Length (miles)	0.19				
SAMMS Number	10013023				
Rating Date	10/18/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	36				
Average Grade (%)	13.6				
Average X-slope (%)	1.5				
Trail Condition Information					
Deferred Maintenance	\$1422				
CRV	\$21443				
FCI	0.066				
Condition	Fair				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$1422	\$21443	0.066	Fair

TRAIL DEFICIENCY



Trail Name: Hartz Pond Trail

Refuge Name: Mingo NWR

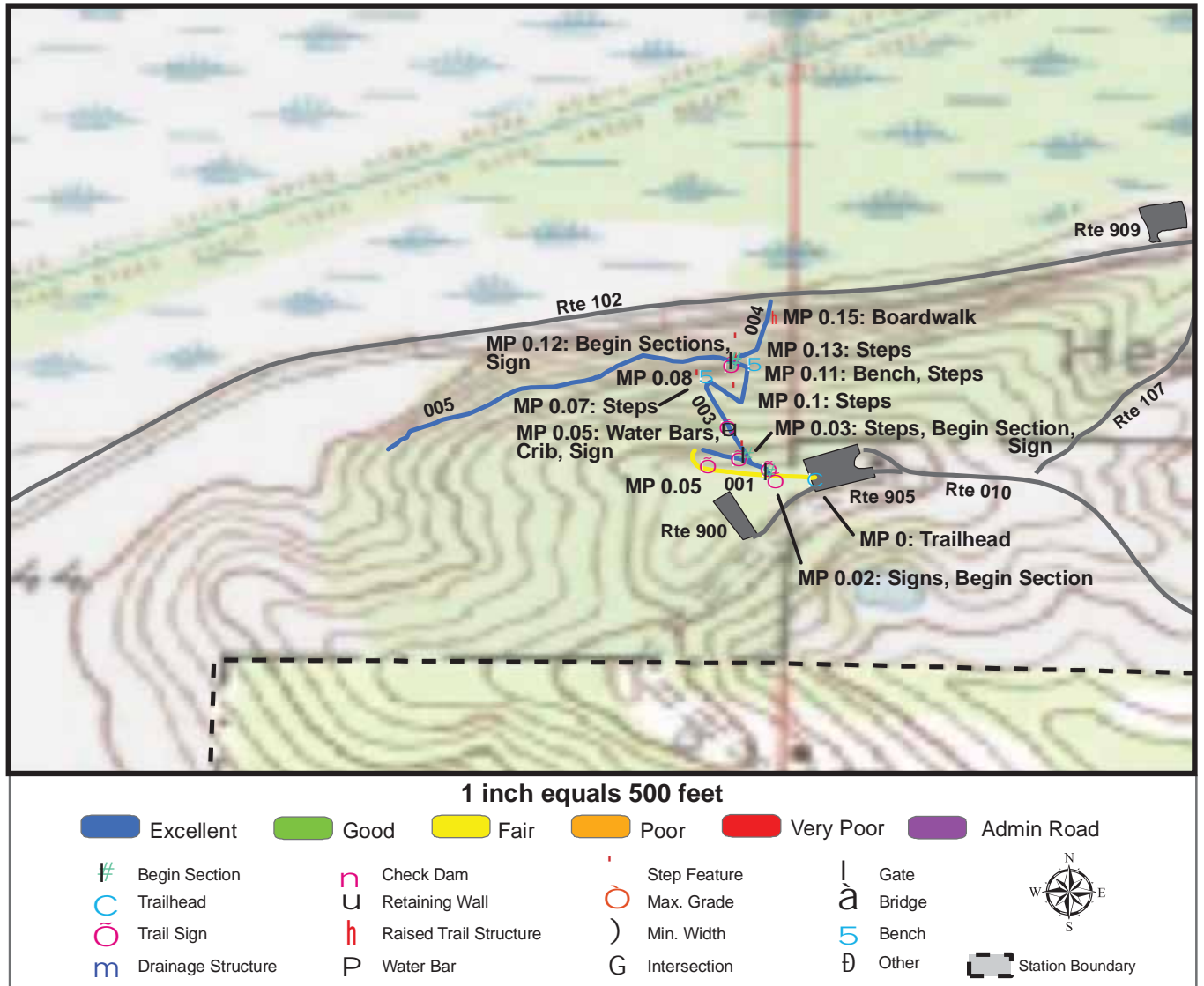
Trail Number: T301

Region: 3

TOTAL LENGTH: 0.19 Miles

Mile Post	0.05	0.05	0.07	
Section Number	001	001	001	
Photo Number	1832	1832	1833	
Deficiency	Erosion	Erosion	Trail Structure	
Action	Build/Add	Repair	Repair	
Item	Water Bar:Wood -each	Tread -sf	Bridge -sf	
Quantity	4	100	24	
Deferred Maintenance	\$400	\$300	\$700	

TRAIL CONDITION



Trail Name: Bluff Trail

Refuge Name: Mingo NWR

Trail Number: T400

Region: 3

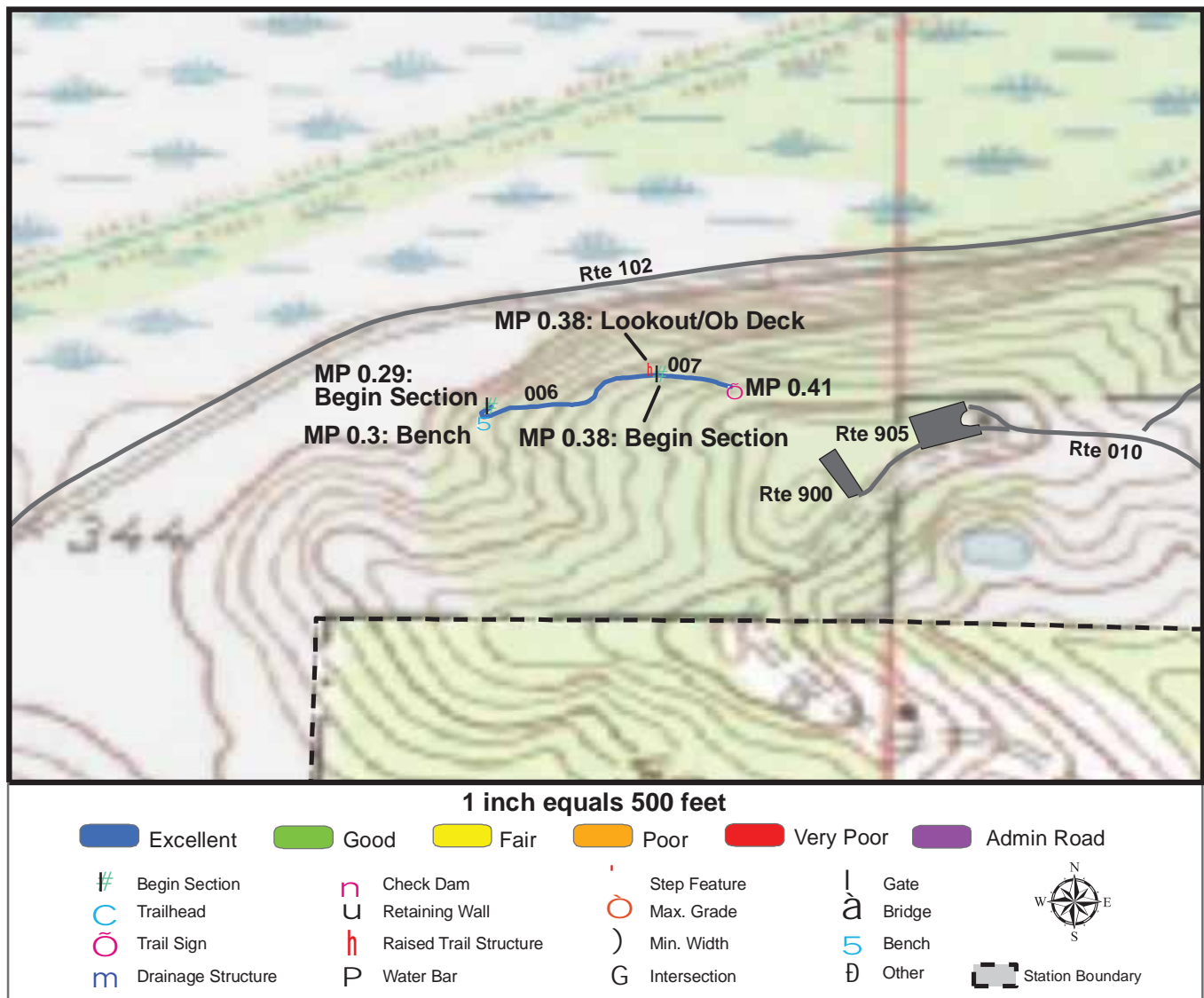
TOTAL LENGTH: 0.51 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.06	0.03	0.09	0.04	0.17
SAMMS Number	10013006	10013006	10013006	10013006	10013006
Rating Date	10/18/2006	10/18/2006	10/18/2006	10/18/2006	10/18/2006
Trail Section Information					
Trail Class	TC5	TC4	TC4	TC4	TC3
Surface Type	Asphalt	Gravel	Gravel	Gravel	Native
Surface Firmness	Paved	Hard	Hard	Firm	Hard
Width (inches)	84	55	55	55	36
Average Grade (%)	19.8	19.8	19.8	19.8	19.8
Average X-slope (%)	5.4	5.4	5.4	5.4	5.4
Trail Condition Information					
Deferred Maintenance	\$777	\$0	\$0	\$0	\$0
CRV	\$14617	\$4046	\$74651	\$11706	\$12149
FCI	0.053	0	0	0	0
Condition	Fair	Excellent	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$777	\$132429	0.006	Excellent

TRAIL CONDITION



Trail Name: Bluff Trail

Refuge Name: Mingo NWR

Trail Number: T400

Region: 3

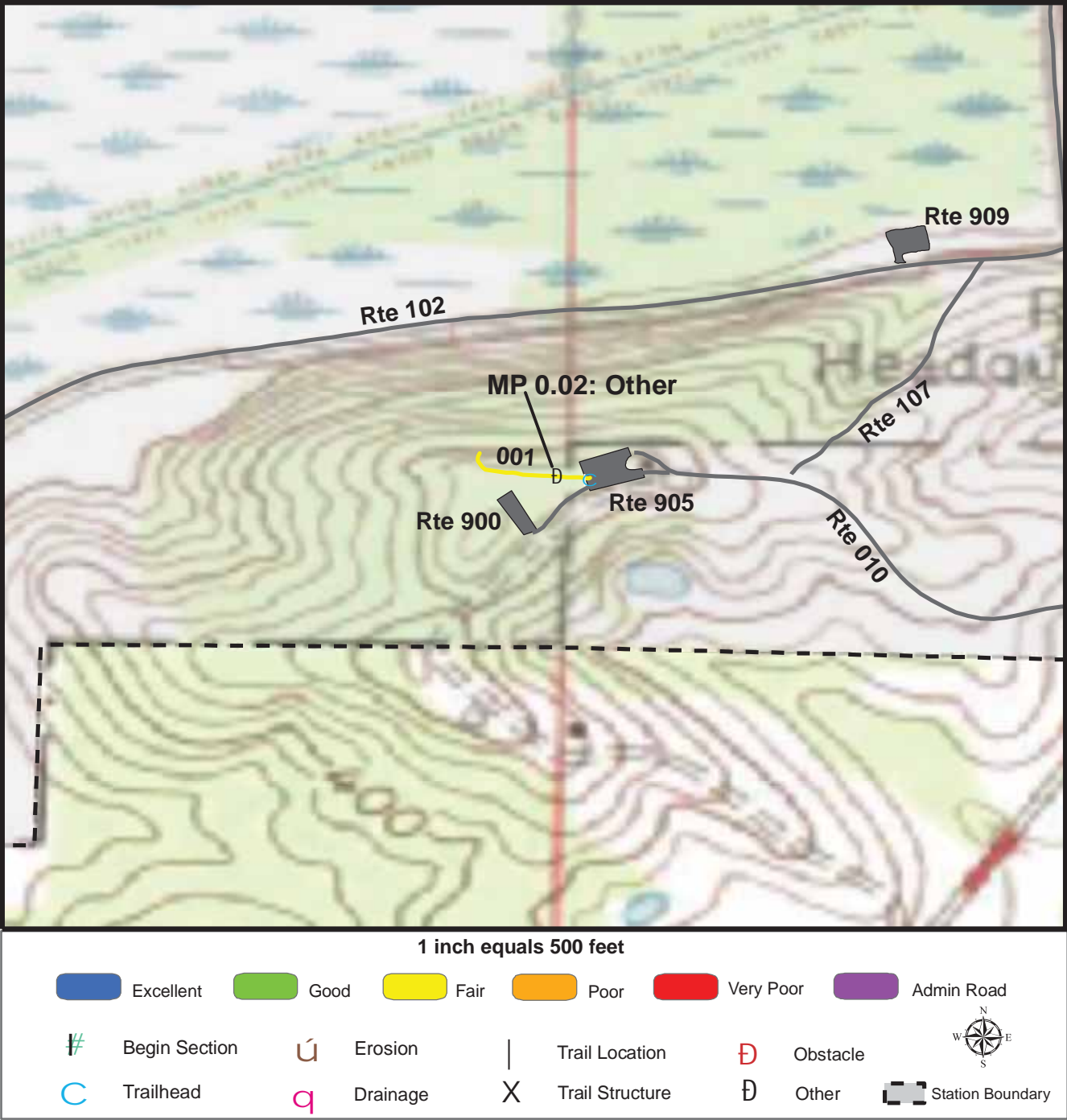
TOTAL LENGTH: 0.51 Miles

Section Number	006	007			
Section Length (miles)	0.09	0.03			
SAMMS Number	10013006	10013006			
Rating Date	10/18/2006	10/18/2006			
Trail Section Information					
Trail Class	TC4	TC5			
Surface Type	Gravel	Asphalt			
Surface Firmness	Hard	Paved			
Width (inches)	50	56			
Average Grade (%)	19.8	19.8			
Average X-slope (%)	5.4	5.4			
Trail Condition Information					
Deferred Maintenance	\$0	\$0			
CRV	\$10090	\$5170			
FCI	0	0			
Condition	Excellent	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$777	\$132429	0.006	Excellent

TRAIL DEFICIENCY



Trail Name: Bluff Trail

Refuge Name: Mingo NWR

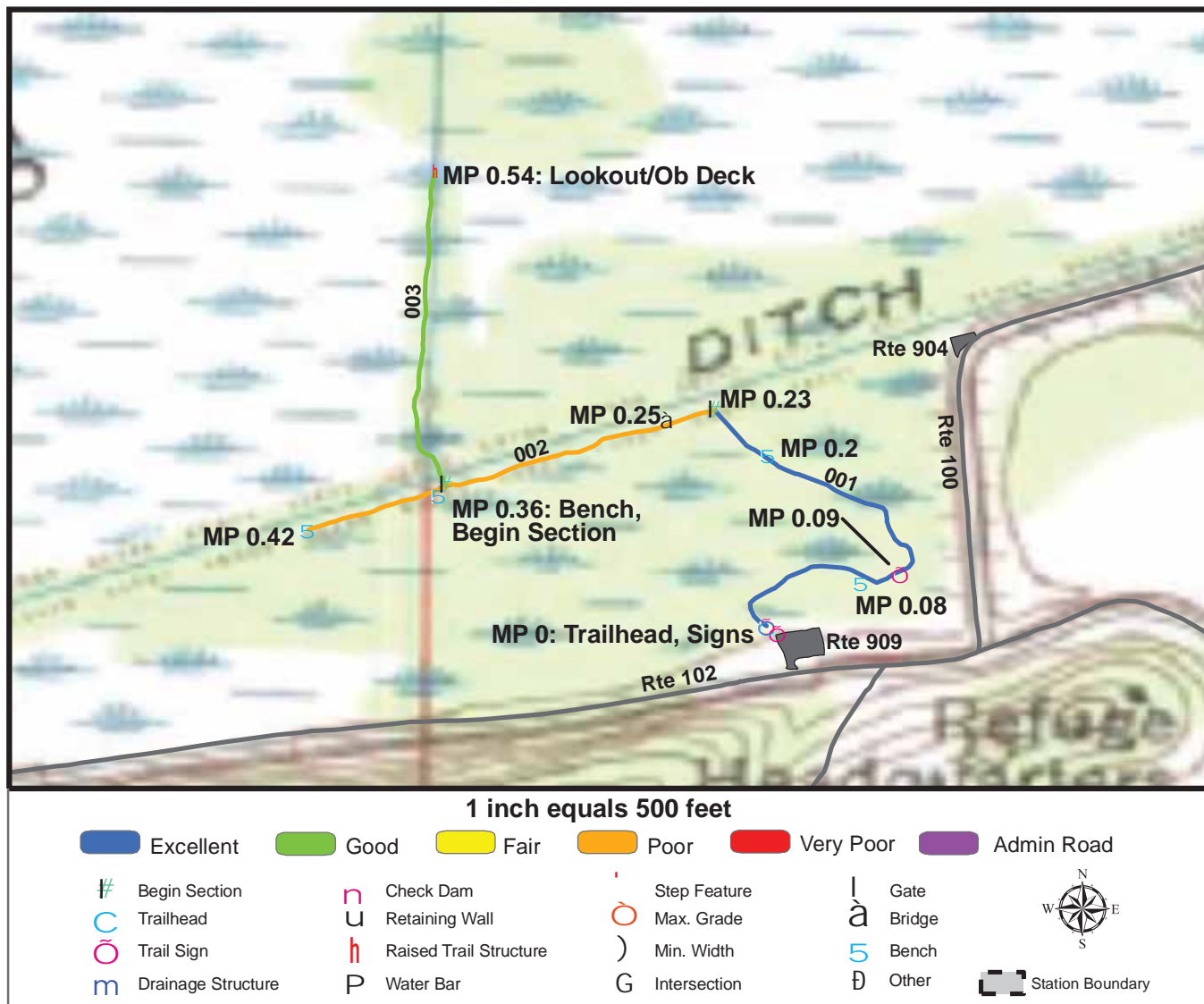
Trail Number: T400

Region: 3

TOTAL LENGTH: 0.51 Miles

Mile Post	0.02			
Section Number	001			
Photo Number	1816			
Deficiency	Other			
Action	Repair			
Item	Tread -sf			
Quantity	234			
Deferred Maintenance	\$800			

TRAIL CONDITION



Trail Name: Boardwalk Nature Trail

Refuge Name: Mingo NWR

Trail Number: T500

Region: 3

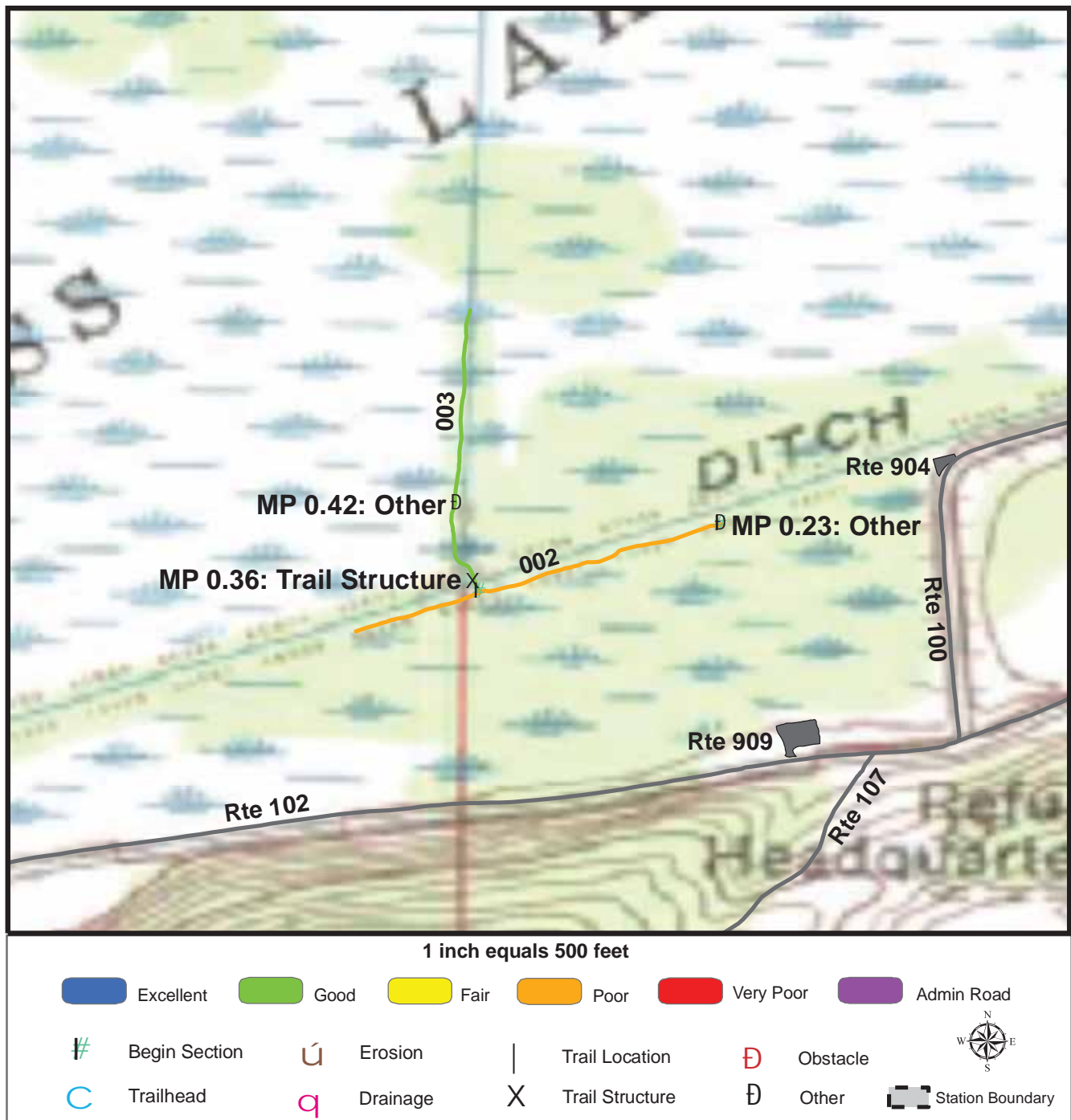
TOTAL LENGTH: 0.6 Miles

Section Number	001	002	003		
Section Length (miles)	0.23	0.19	0.18		
SAMMS Number	10013005	10013005	10013005		
Rating Date	10/18/2006	10/18/2006	10/18/2006		
Trail Section Information					
Trail Class	TC5	TC4	TC5		
Surface Type	Boardwalk	Asphalt	Boardwalk		
Surface Firmness	Hard	Paved	Hard		
Width (inches)	72	50	72		
Average Grade (%)	4.1	4.1	4.1		
Average X-slope (%)	2.7	2.7	2.7		
Trail Condition Information					
Deferred Maintenance	\$0	\$6699	\$2154		
CRV	\$175183	\$43978	\$136692		
FCI	0	0.152	0.016		
Condition	Excellent	Poor	Good		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$8853	\$355853	0.025	Good

TRAIL DEFICIENCY



Trail Name: Boardwalk Nature Trail

Refuge Name: Mingo NWR

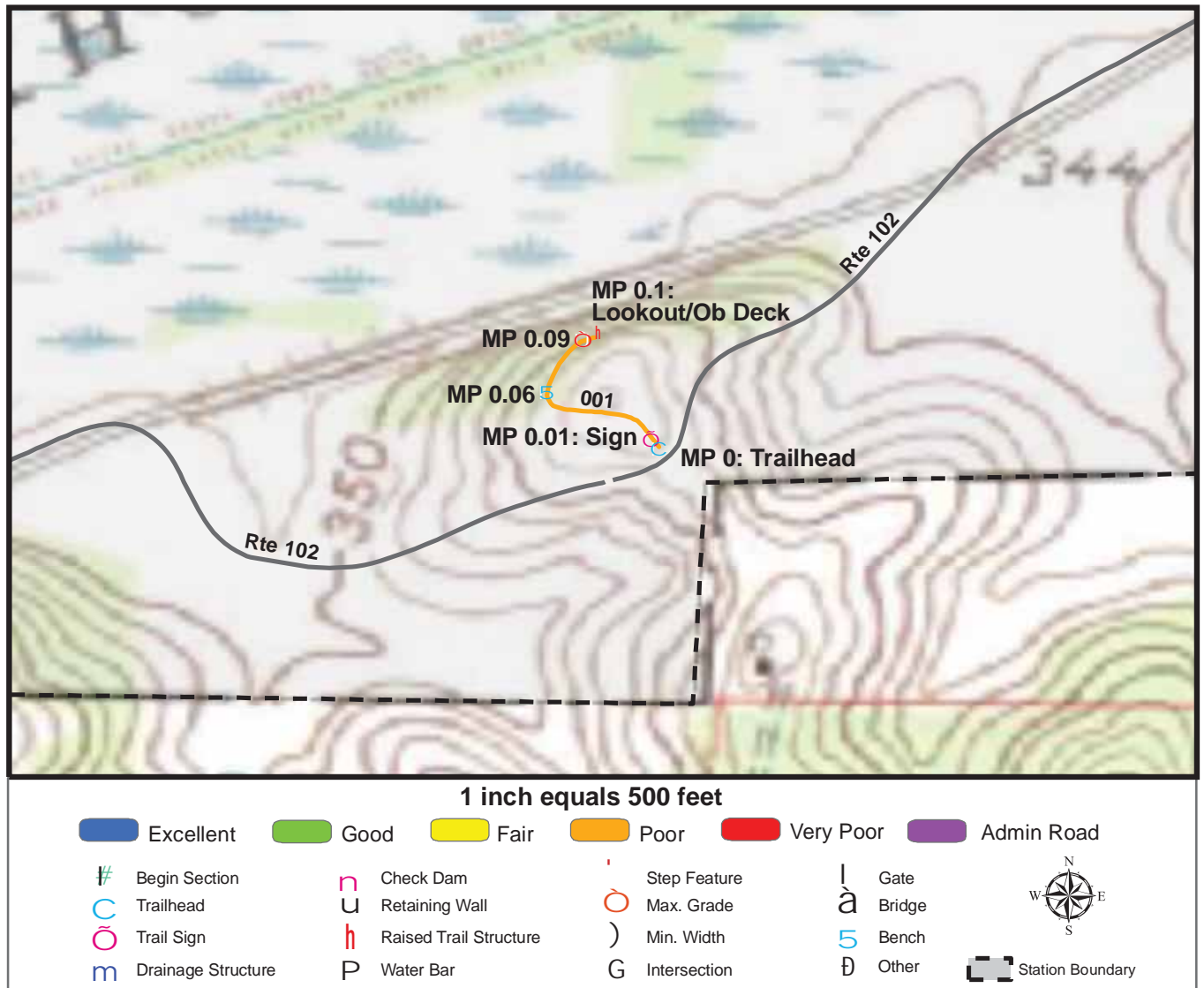
Trail Number: T500

Region: 3

TOTAL LENGTH: 0.6 Miles

Mile Post	0.23	0.42	0.36	
Section Number	002	003	003	
Photo Number	1781	1785	1784	
Deficiency	Other	Other	Trail Structure	
Action	Repair	Repair	Repair	
Item	Tread -sf	Tread -sf	Bridge -sf	
Quantity	2126	75	40	
Deferred Maintenance	\$6700	\$1000	\$1200	

TRAIL CONDITION



Trail Name: Rockhouse Marsh Overlook Trail

Refuge Name: Mingo NWR

Trail Number: T501

Region: 3

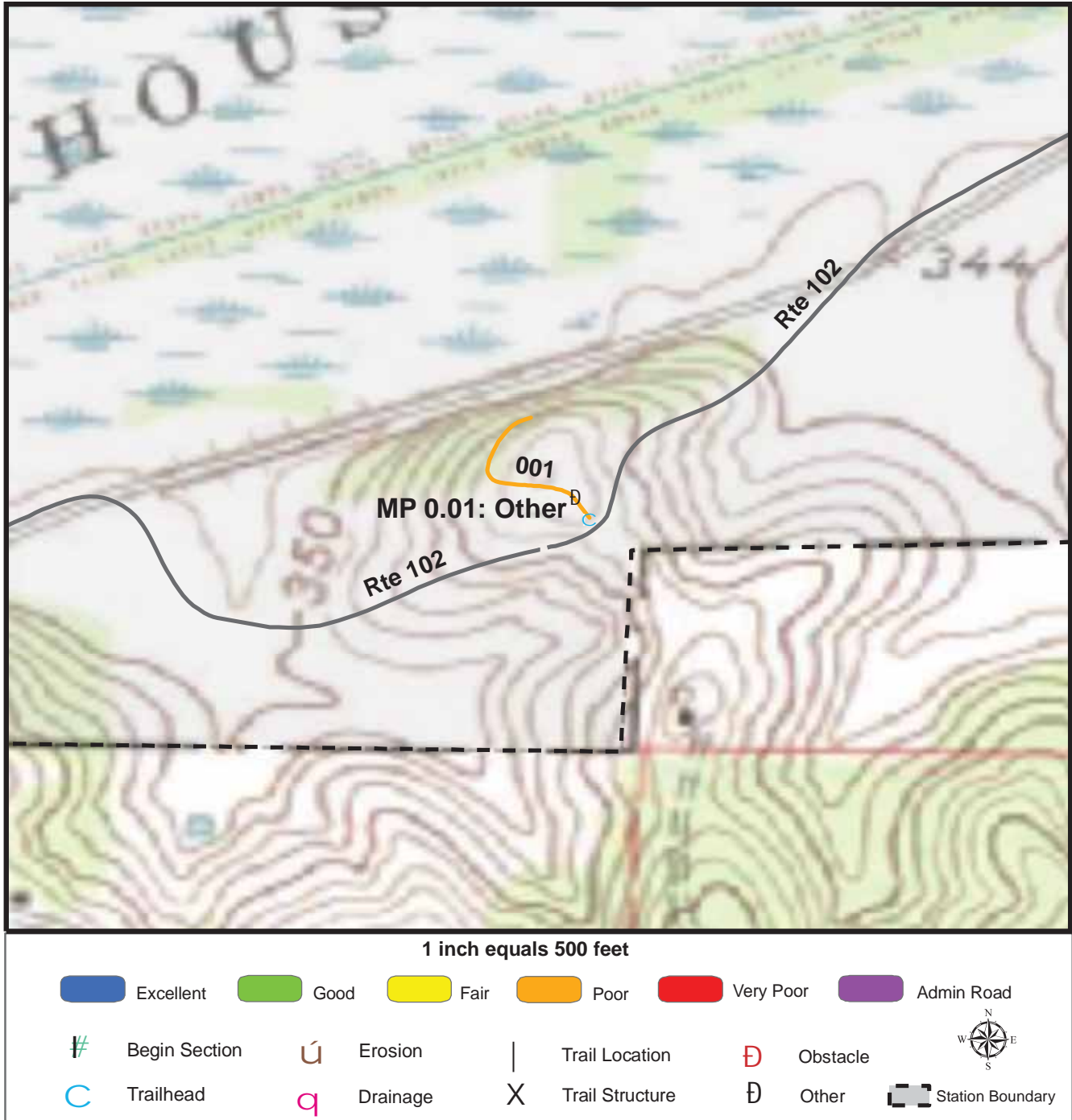
TOTAL LENGTH: 0.1 Miles

Section Number	001				
Section Length (miles)	0.1				
SAMMS Number	N/A				
Rating Date	10/18/2006				
Trail Section Information					
Trail Class	TC5				
Surface Type	Asphalt				
Surface Firmness	Paved				
Width (inches)	72				
Average Grade (%)	5.1				
Average X-slope (%)	1.9				
Trail Condition Information					
Deferred Maintenance	\$2624				
CRV	\$20633				
FCI	0.127				
Condition	Poor				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$2624	\$20633	0.127	Poor

TRAIL DEFICIENCY



Trail Name: Rockhouse Marsh Overlook Trail

Refuge Name: Mingo NWR

Trail Number: T501

Region: 3

TOTAL LENGTH: 0.1 Miles

Mile Post	0.01			
Section Number	001			
Photo Number	1792			
Deficiency	Other			
Action	Repair			
Item	Tread -sf			
Quantity	824			
Deferred Maintenance	\$2600			

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1795 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1797 - MP 0.39 - Other

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1799 - MP 0.39 - Sign

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1801 - MP 0.39 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1805 - MP 0.57 - Boardwalk

TRAIL NUMBER: **T300**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1806 - MP 0.73 - Boardwalk

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1830 - MP 0.0 - Trailhead, Sign

TRAIL NUMBER: **T301**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1832 - MP 0.05 - Erosion Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1833 - MP 0.07 - Trail Structure Deficiency, Bridge

TRAIL NUMBER: **T301**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1834 - MP 0.17 - Bridge

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1814 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1816 - MP 0.02 - Other Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1815 - MP 0.02 - Sign

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1818 - MP 0.02 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1819 - MP 0.02 - Sign

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1820 - MP 0.03 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1821 - MP 0.03 - Begin Section 003

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1817 - MP 0.05 - Sign (Grouped feature)

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1822 - MP 0.05 - Sign

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1823 - MP 0.12 - Begin Section 004

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1825 - MP 0.12 - Sign

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1824 - MP 0.15 - Boardwalk

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1826 - MP 0.29 - Begin Section 006

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1828 - MP 0.38 - Begin Section 007

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1829 - MP 0.41 - Sign

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1778 - MP 0.0 - Trailhead, Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1777 - MP 0.0 - Sign

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1779 - MP 0.09 - Sign (Grouped feature)

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1781 - MP 0.23 - Other Deficiency

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1780 - MP 0.23 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1782 - MP 0.25 - Bridge

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1784 - MP 0.36 - Trail Structure Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1783 - MP 0.36 - Begin Section 003

TRAIL NUMBER: **T500**

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1785 - MP 0.42 - Other Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**
STATION: Mingo NWR
DATE: 10/18/2006



Photo # 1790 - MP 0.0 - Trailhead

TRAIL NUMBER: **T501**
STATION: Mingo NWR
DATE: 10/18/2006



Photo # 1792 - MP 0.01 - Other Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501

STATION: Mingo NWR

DATE: 10/18/2006



Photo # 1791 - MP 0.01 - Sign

The Trail Inventory of Squaw Creek National Wildlife Refuge Mound City, Missouri



**Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
September 2006**



Squaw Creek NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native	0.22	14%		0%		0%		0%		0%		0%	0.22
Gravel	0.02	1%		0%		0%		0%		0%		0%	0.02
Asphalt	0.24	16%		0%		0%		0%		0%		0%	0.24
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	0.36	23%		0%		0%		0%		0%		0%	0.36
Mowed		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%	0.70	45%	0.70
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.84	55%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.70	45%	1.54

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	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	0.60	39%		0%		0%		0%		0%		0%	0.60
TC4		0%		0%		0%		0%		0%	0.70	45%	0.70
TC5	0.24	16%		0%		0%		0%		0%		0%	0.24
Totals	0.84	55%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.70	45%	1.54

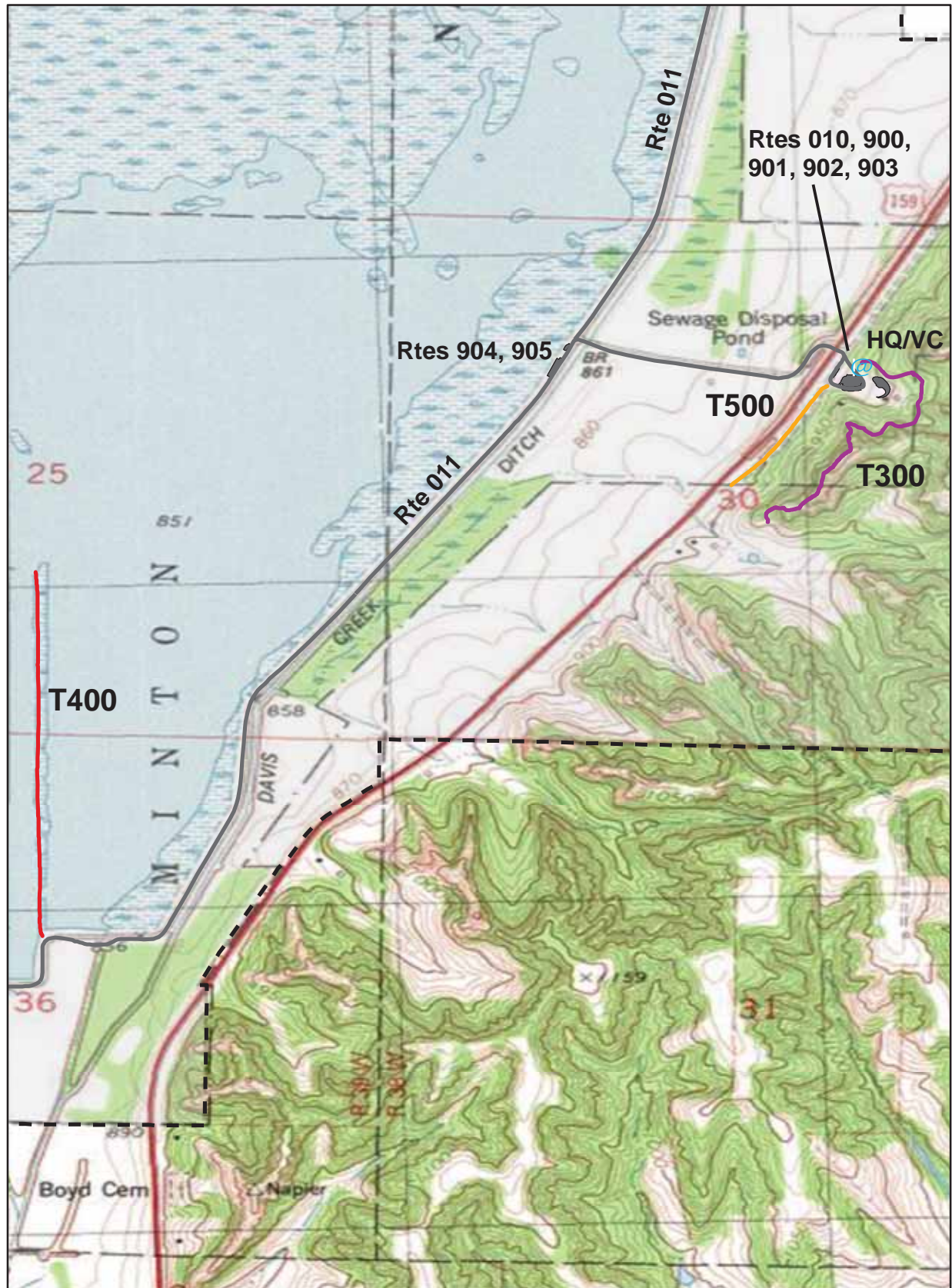
* Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Bench	3	No	0.00	N/A
T300	Sign	3	No	0.00	0761
T300	Sign	1	No	0.00	0763
T300	Sign	2	No	0.02	0764
T300	Step: Log -each	72	Yes	0.03	N/A
T300	Sign	1	No	0.06	0766
T300	Sign	1	No	0.19	0767
T300	Sign	1	No	0.20	0768
T300	Crib: Log -cf	72	No	0.23	N/A
T300	Bench	1	No	0.25	N/A
T300	Sign	1	No	0.32	0769
T300	Step: Rock -each	218	Yes	0.32	N/A
T300	Bench	1	No	0.33	N/A
T300	Lookout/Ob Deck	1	No	0.38	N/A
T300	Bench	1	No	0.44	N/A
T300	Sign	1	No	0.44	0772
T300	Bench	1	No	0.55	N/A
T400	Gate	1	No	0.00	N/A
T400	Sign	3	No	0.00	0752
T400	Sign	1	No	0.00	0753
T400	Water Control Struc	1	No	0.04	N/A
T400	Lookout/Ob Deck	1	No	0.66	N/A
T400	Sign	1	No	0.70	0754
T500	Sign	1	No	0.00	0760
T500	Bench	1	No	0.01	N/A
T500	Bench	1	No	0.13	N/A
T500	Sign	1	No	0.13	0756
T500	Sign	1	No	0.17	0757
T500	Bench	1	No	0.18	N/A
T500	Bench	2	No	0.24	N/A
T500	Sign	2	No	0.24	0758
T500	Sign	1	No	0.24	0759

sf-square feet
lf-linear feet
cf-cubic feet

SQUAW CREEK NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



Station Boundary



HQ/VC

0 0.3 0.6 Miles

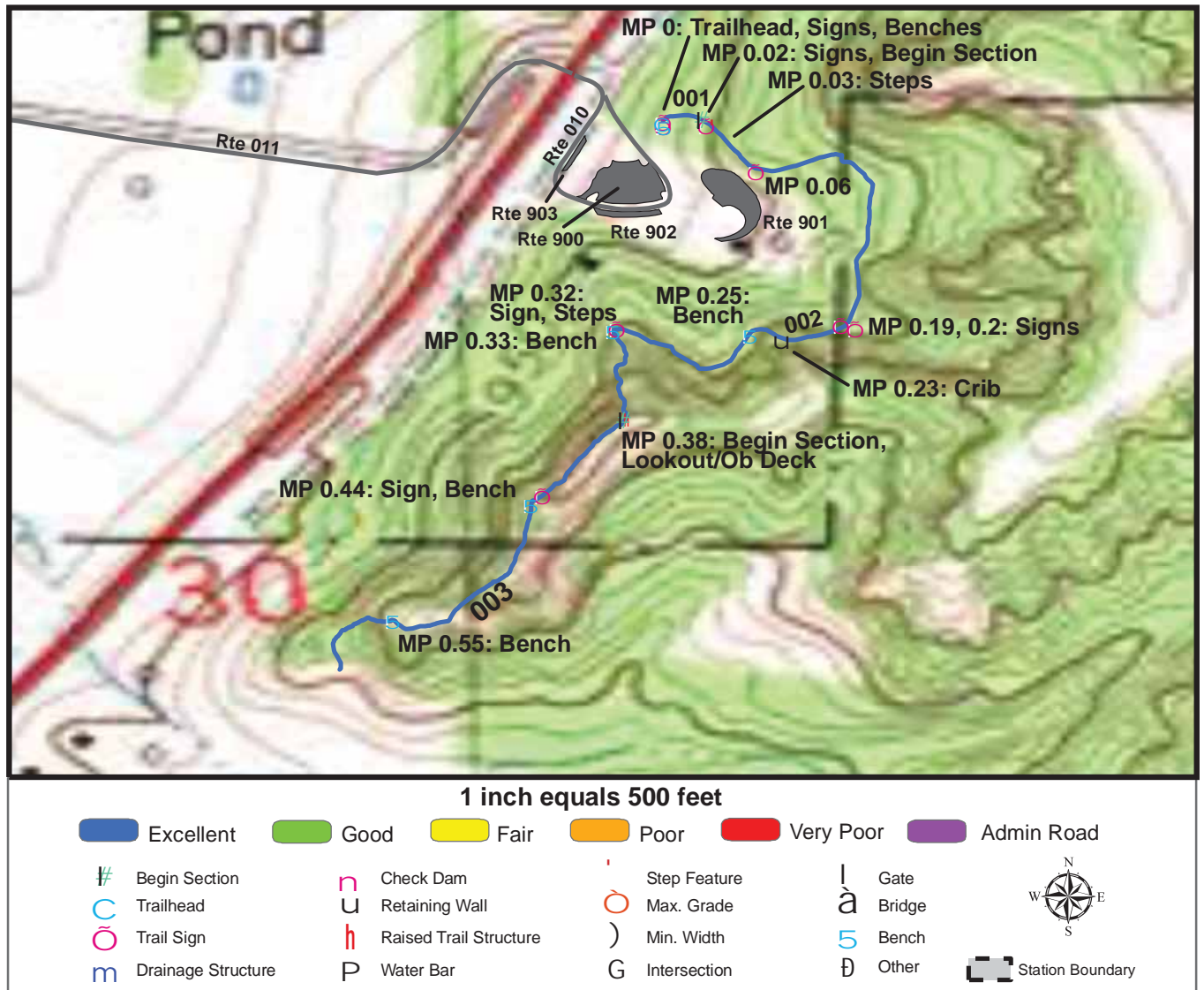
TRAILS ID

Station Name: Squaw Creek NWR

Org. Code: 33560

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Loess Bluff Trail	Gravel, Native, Wood Chip	10013141	0.60	From HQ/Trailhead to end of trail
T400	Eagle Overlook Trail	Admin Road	N/A	0.70	From Auto Tour Route (Rte 011) to end of trail
T500	Callow Memorial Trail	Asphalt	10043008	0.24	From HQ Entrance Road (Rte 010) to end of trail

TRAIL CONDITION



Trail Name: Loess Bluff Trail

Refuge Name: Squaw Creek NWR

Trail Number: T300

Region: 3

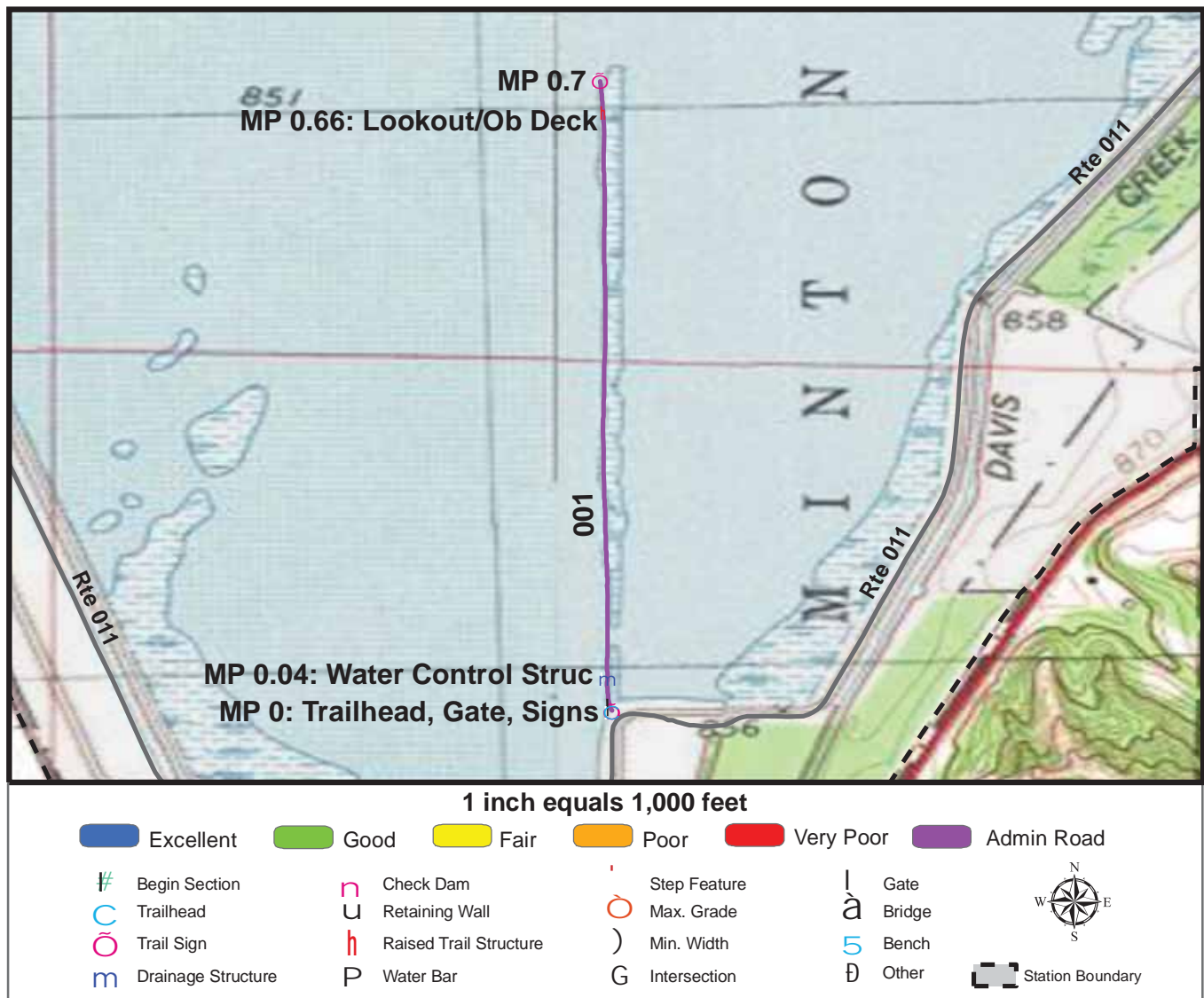
TOTAL LENGTH: 0.6 Miles

Section Number	001	002	003		
Section Length (miles)	0.02	0.36	0.22		
SAMMS Number	10013141	10013141	10013141		
Rating Date	9/11/2006	9/11/2006	9/11/2006		
Trail Section Information					
Trail Class	TC3	TC3	TC3		
Surface Type	Gravel	Wood Chip	Native		
Surface Firmness	Hard	Firm	Firm		
Width (inches)	56	60	36		
Average Grade (%)	10	10	10		
Average X-slope (%)	4.7	4.7	4.7		
Trail Condition Information					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$2000	\$101700	\$13100		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$116800	0	Excellent

TRAIL CONDITION



Trail Name: Eagle Overlook Trail

Refuge Name: Squaw Creek NWR

Trail Number: T400

Region: 3

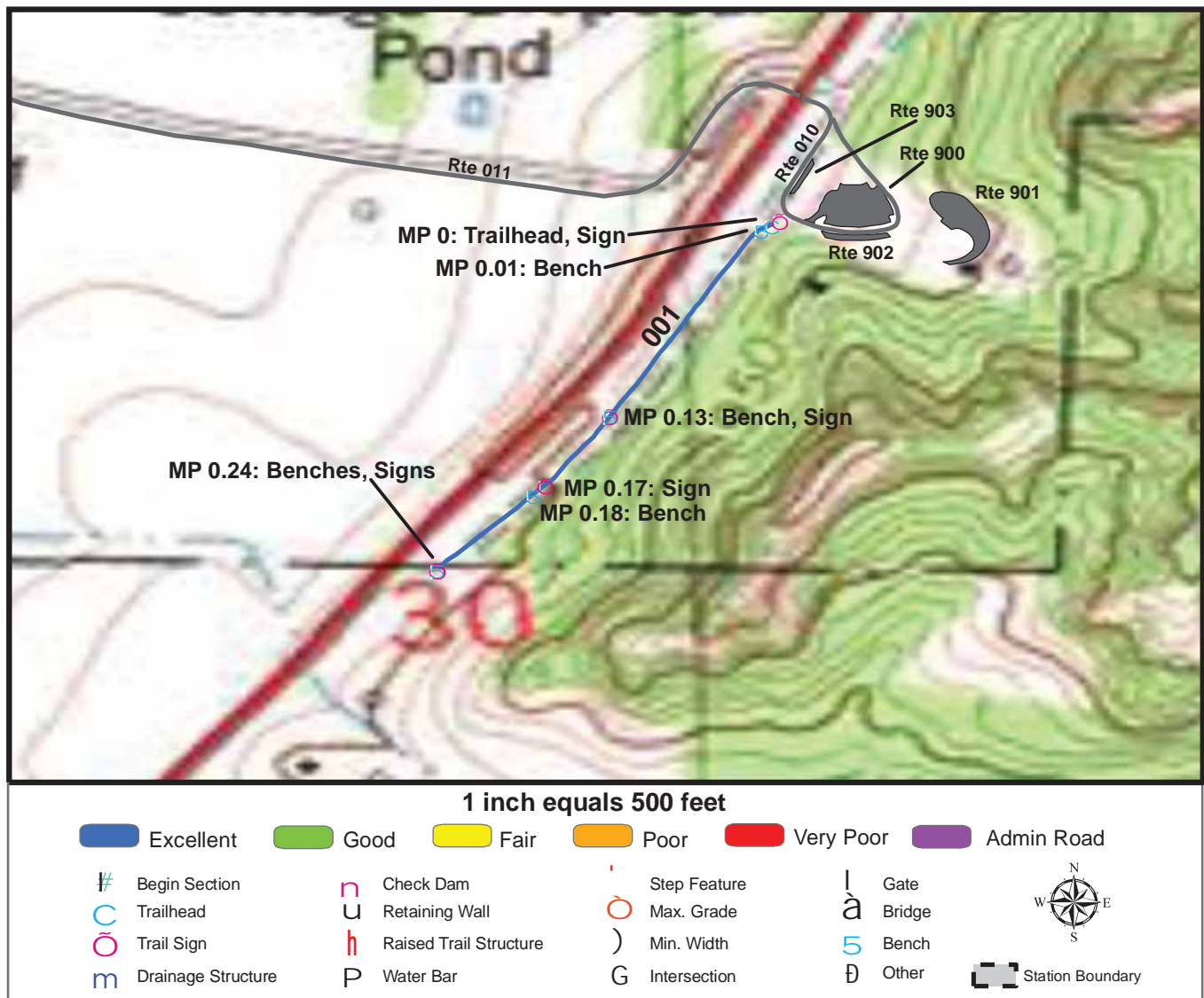
TOTAL LENGTH: 0.7 Miles

Section Number	001				
Section Length (miles)	0.7				
SAMMS Number	N/A				
Rating Date	9/11/2006				
Trail Section Information					
Trail Class	TC4				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	120				
Average Grade (%)	0				
Average X-slope (%)	0				
Trail Condition Information					
Deferred Maintenance	\$0				
CRV	\$0				
FCI	0				
Condition	Not Rated				

Trail Condition TOTALS

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

TRAIL CONDITION



Trail Name: Callow Memorial Trail

Refuge Name: Squaw Creek NWR

Trail Number: T500

Region: 3

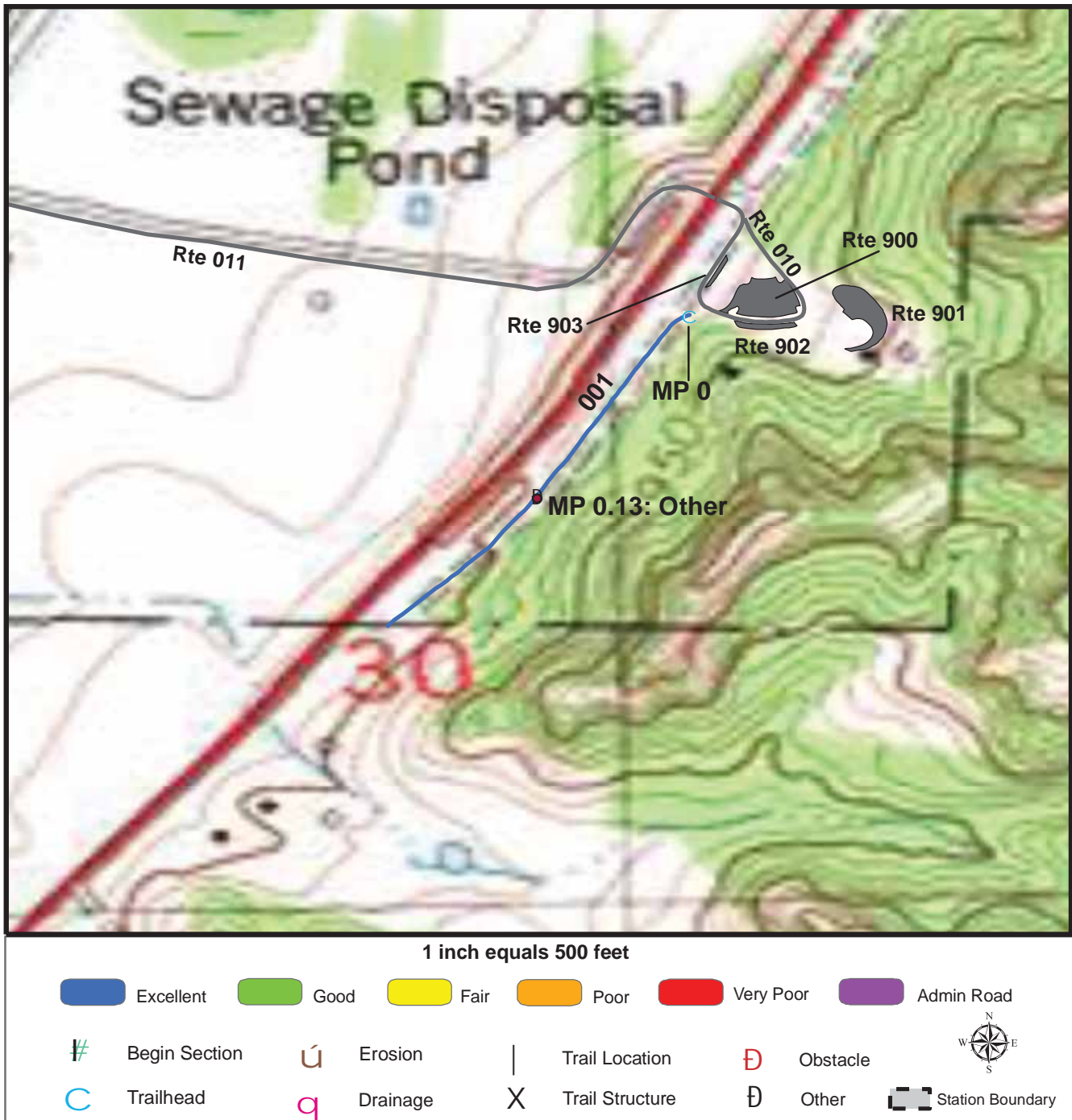
TOTAL LENGTH: 0.24 Miles

Section Number	001				
Section Length (miles)	0.24				
SAMMS Number	10043008				
Rating Date	9/11/2006				
Trail Section Information					
Trail Class	TC5				
Surface Type	Asphalt				
Surface Firmness	Paved				
Width (inches)	240				
Average Grade (%)	0				
Average X-slope (%)	0				
Trail Condition Information					
Deferred Maintenance	\$600				
CRV	\$136000				
FCI	0.004				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$600	\$136000	0.004	Excellent

TRAIL DEFICIENCY



Trail Name: Callow Memorial Trail

Refuge Name: Squaw Creek NWR

Trail Number: T500

Region: 3

TOTAL LENGTH: 0.24 Miles

Mile Post	0.13			
Section Number	001			
Photo Number	0775			
Deficiency	Other			
Action	Repair			
Item	Tread -sf			
Quantity	200			
Deferred Maintenance	\$600			

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0762 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0761 - MP 0.0 - Signs

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0763 - MP 0.0 - Sign

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0764 - MP 0.02 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0765 - MP 0.02 - Begin Section 002

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0766 - MP 0.06 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0767 - MP 0.19 - Sign

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0768 - MP 0.2 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0769 - MP 0.32 - Sign

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0771 - MP 0.38 - Begin Section 003

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0772 - MP 0.44 - Sign

TRAIL NUMBER: **T400**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0750 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0752 - MP 0.0 - Signs

TRAIL NUMBER: **T400**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0753 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0754 - MP 0.7 - Sign

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0755 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0775 - MP 0.13 - Other Deficiency

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0760 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0756 - MP 0.13 - Sign

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0757 - MP 0.17 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0758 - MP 0.24 - Sign

TRAIL NUMBER: **T500**

STATION: Squaw Creek NWR

DATE: 9/11/2006



Photo # 0759 - MP 0.24 - Sign

The Trail Inventory of Swan Lake National Wildlife Refuge Sumner, Missouri



**Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
October 2006**



Swan Lake NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native	0.24	60%		0%		0%		0%		0%		0%	0.24
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt		0%		0%		0%		0%		0%		0%	0.00
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	0.16	40%		0%		0%		0%		0%		0%	0.16
Mowed		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.40	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.40

Trail Miles and Percentages by Trail Classification and Condition

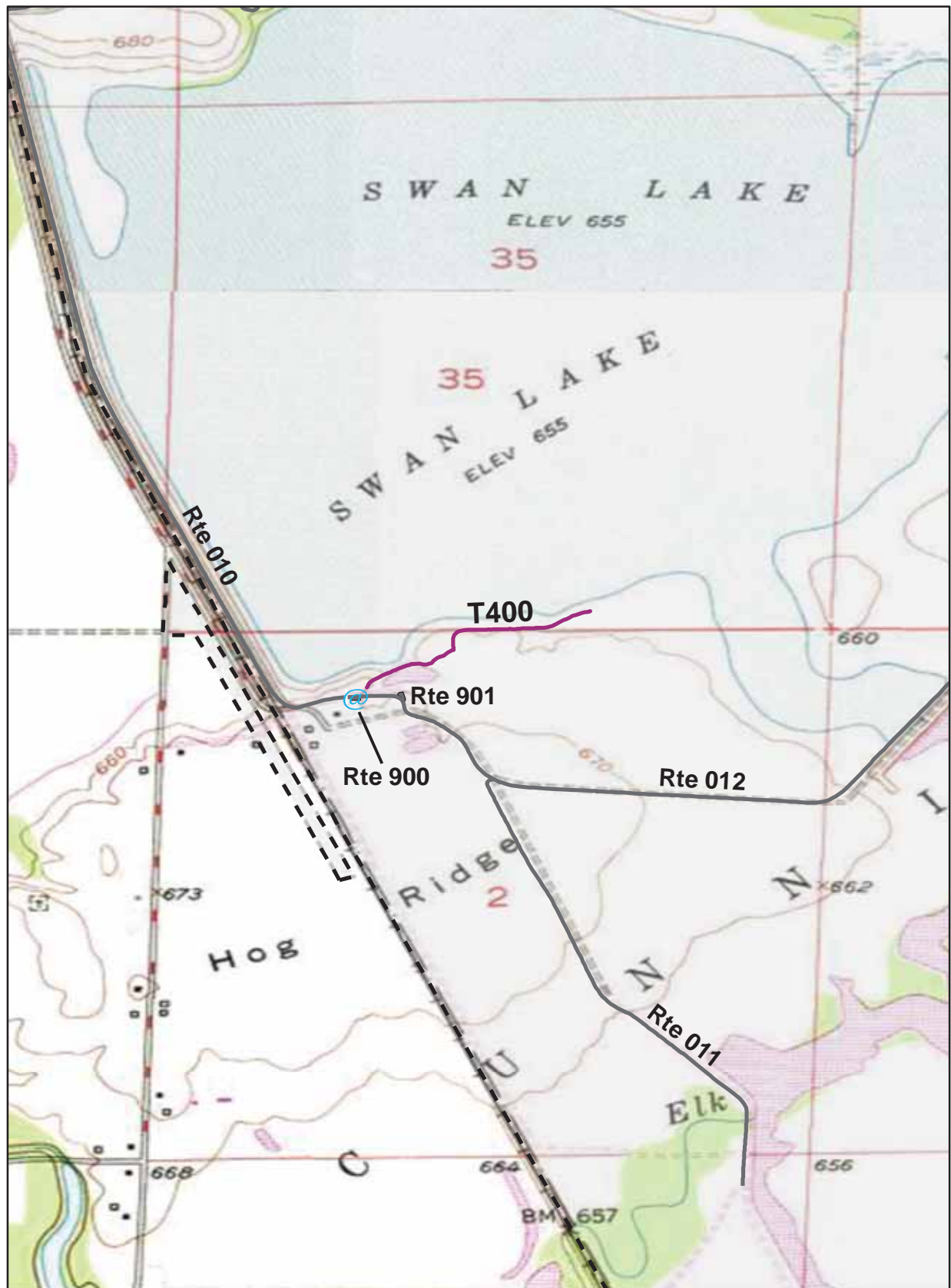
Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3		0%		0%		0%		0%		0%		0%	0.00
TC4	0.40	100%		0%		0%		0%		0%		0%	0.40
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	0.40	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.40

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

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Sign	3	Yes	0.01	1726
T400	Sign	4	Yes	0.03	1727
T400	Sign	1	No	0.18	1730
T400	Culvert -lf	20	No	0.32	N/A
sf-square feet lf-linear feet cf-cubic feet					

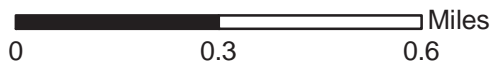
SWAN LAKE NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



Station Boundary



HQ/VC



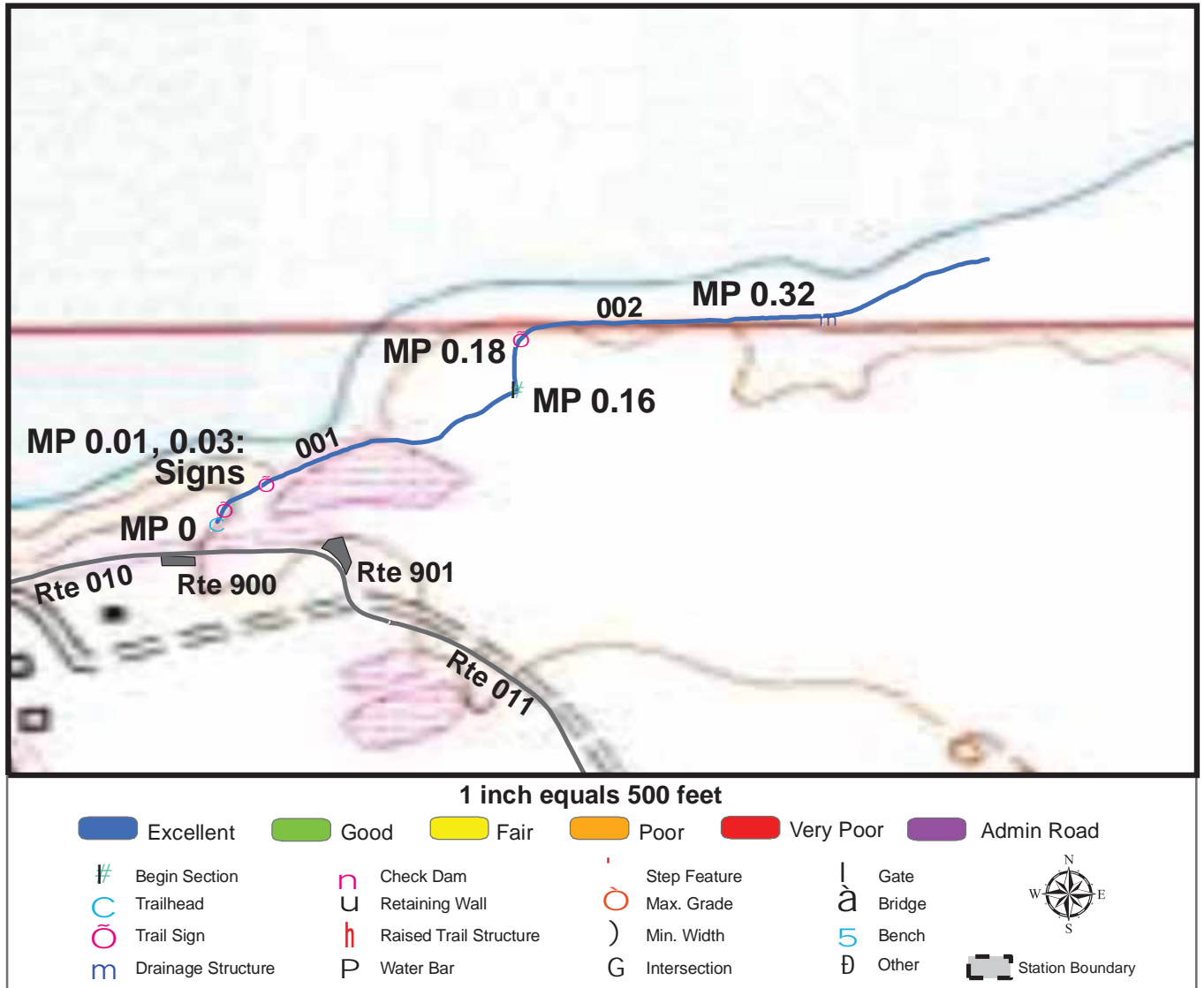
TRAILS ID

Station Name: Swan Lake NWR

Org. Code: 33570

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Foot Trail	Wood Chip, Native	10013221	0.4	From HQ/VC to end

TRAIL CONDITION



Trail Name: Foot Trail

Refuge Name: Swan Lake NWR

Trail Number: T400

Region: 3

TOTAL LENGTH: 0.4 Miles

Section Number	001	002			
Section Length (miles)	0.16	0.24			
SAMMS Number	10013221	10013221			
Rating Date	10/16/2006	10/16/2006			
Trail Section Information					
Trail Class	TC4	TC4			
Surface Type	Wood Chip	Native			
Surface Firmness	Firm	Firm			
Width (inches)	105	110			
Average Grade (%)	4.4	4.4			
Average X-slope (%)	3.1	3.1			
Trail Condition Information					
Deferred Maintenance	\$0	\$0			
CRV	\$16900	\$57000			
FCI	0	0			
Condition	Excellent	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$73900	0	Excellent

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Swan Lake NWR

DATE: 10/16/2006



Photo # 1725 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Swan Lake NWR

DATE: 10/16/2006



Photo # 1726 - MP 0.01 - Sign (Grouped feature)

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Swan Lake NWR

DATE: 10/16/2006



Photo # 1727 - MP 0.03 - Sign (Grouped feature)

TRAIL NUMBER: **T400**

STATION: Swan Lake NWR

DATE: 10/16/2006



Photo # 1729 - MP 0.16 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Swan Lake NWR

DATE: 10/16/2006



Photo # 1730 - MP 0.18 - Sign

APPENDIX

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	Asset number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .011 - .05 = Good FCI .051 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Very Poor
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.

Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.
Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary. CRV for grouped features are included in whatever trail section the GPS point was taken.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
Max Grade	Maximum grade (in percent) of trail. Only collected for Trail Classes 4 and 5 and when > 10%.
Min Width	Minimum Width (inches) of trail. Only collected for Trail Classes 4 and 5.
MP (Milepost)	Distance, in miles, of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
SAMMS No	Asset Number

Station Boundary	Approved Acquisition Boundary files downloaded from FWS website.
T Class	Trail Class: TC1-5 (see Trail Classification System for descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Trail No	Trails are numbered based on Trail Class at the trailhead. TC 1 = T100 series, TC2 = T200 series, etc.
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.



Trail Classification

Note: Trail Class descriptions define “typical” attributes, and exceptions may occur for any attribute.

Trail Attributes	Trail Class 1 Minimal/Undeveloped Trail	Trail Class 2 Simple/Minor Development Trail	Trail Class 3 Developed/Improved Trail	Trail Class 4 Highly Developed Trail	Trail Class 5 Fully Developed Trail
General Criteria					
Physical Characteristics to be Applied to All National Forest System Trails					
Tread & Traffic Flow	<ul style="list-style-type: none"> •Tread intermittent and often indistinct •May require route finding •Native materials only 	<ul style="list-style-type: none"> •Tread discernible and continuous, but narrow and rough •Few or no allowances constructed for passing •Native materials 	<ul style="list-style-type: none"> •Tread obvious and continuous •Width accommodates unhindered one-lane travel (occasional allowances constructed for passing) •Typically native materials 	<ul style="list-style-type: none"> •Tread wide and relatively smooth with few irregularities •Width may consistently accommodate two-lane travel •Native or imported materials •May be hardened 	<ul style="list-style-type: none"> •Width generally accommodates two-lane and two-directional travel, or provides frequent passing turnouts •Commonly hardened with asphalt or other imported material
Obstacles	<ul style="list-style-type: none"> •Obstacles common •Narrow passages; brush, steep grades, rocks and logs present 	<ul style="list-style-type: none"> •Obstacles occasionally present •Blockages cleared to define route and protect resources •Vegetation may encroach into trailway 	<ul style="list-style-type: none"> •Obstacles infrequent •Vegetation cleared outside of trailway 	<ul style="list-style-type: none"> •Few or no obstacles exist •Grades typically <12% •Vegetation cleared outside of trailway 	<ul style="list-style-type: none"> •No obstacles •Grades typically <8%
Constructed Features & Trail Elements	<ul style="list-style-type: none"> •Minimal to non-existent •Drainage is functional •No constructed bridges or foot crossings 	<ul style="list-style-type: none"> •Structures are of limited size, scale, and number •Drainage functional •Structures adequate to protect trail infrastructure and resources •Primitive foot crossings and fords 	<ul style="list-style-type: none"> •Trail structures (walls, steps, drainage, raised trail) may be common and substantial •Trail bridges as needed for resource protection and appropriate access •Generally native materials used in Wilderness 	<ul style="list-style-type: none"> •Structures frequent and substantial •Substantial trail bridges are appropriate at water crossings •Trailside amenities may be present 	<ul style="list-style-type: none"> •Structures frequent or continuous; may include curbs, handrails, trailside amenities, and boardwalks •Drainage structures frequent; may include culverts and road-like designs
Signs	<ul style="list-style-type: none"> •Minimum required •Generally limited to regulation and resource protection •No destination signs present 	<ul style="list-style-type: none"> •Minimum required for basic direction •Generally limited to regulation and resource protection •Typically very few or no destination signs present 	<ul style="list-style-type: none"> •Regulation, resource protection, user reassurance •Directional signs at junctions, or when confusion is likely •Destination signs typically present •Informational and interpretive signs may be present outside of Wilderness 	<ul style="list-style-type: none"> •Wide variety of signs likely present •Informational signs likely (outside of Wilderness) •Interpretive signs possible (outside of Wilderness) •Trail Universal Access information likely displayed at trailhead 	<ul style="list-style-type: none"> •Wide variety of signage is present •Information and interpretive signs likely •Trail Universal Access information is typically displayed at trailhead •
Typical Recreation Environments & Experience²	<ul style="list-style-type: none"> •Natural, unmodified •ROS: Often Primitive setting, but may occur in other ROS settings •WROS: Primitive 	<ul style="list-style-type: none"> •Natural, essentially unmodified •ROS: Typically Semi-Primitive setting •WROS: Primitive to Semi-Primitive 	<ul style="list-style-type: none"> •Natural, primarily unmodified •ROS: Typically Semi-Primitive to Roaded Natural setting •WROS: Semi-Primitive to Transition 	<ul style="list-style-type: none"> •May be modified •ROS: Typically Roaded Natural to Rural setting •WROS: Transition (rarely present in Wilderness) 	<ul style="list-style-type: none"> •Can be highly modified •ROS: Typically Rural to Urban setting •Commonly associated with Visitor Centers or high-use recreation sites •Not present in Wilderness