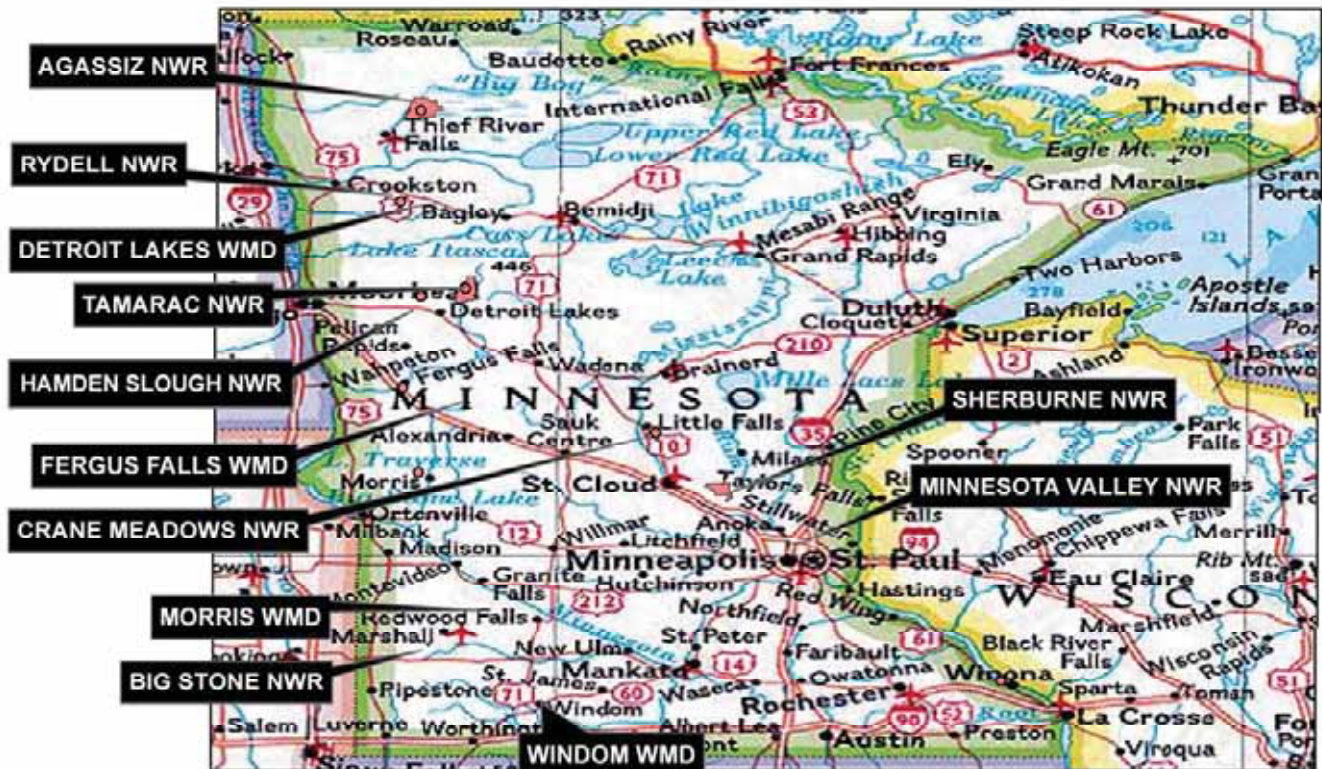


# The Trail Inventory of U.S. Fish and Wildlife Service Stations In Minnesota



150 75 0 150 Miles



Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
July 2006



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## FWS Stations in Minnesota with Trails

Station Name	Trail Miles	Chapter
Agassiz NWR	1.54	2
Big Stone NWR	1.08	3
Crane Meadows NWR	3.71	4
Detroit Lakes WMD	1.20	5
Fergus Falls WMD	4.10	6
Hamden Slough NWR	0.23	7
Minnesota Valley NWR	27.50	8
Morris WMD	2.42	9
Rydell NWR	4.93	10
Sherburne NWR	9.43	11
Tamarac NWR	14.15	12
Windom WMD	1.22	13

# Minnesota 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	9.92	14%	0.45	1%	1.03	1%	2.43	3%	0.55	1%		0%	14.38
Gravel	7.14	10%	0.20	0%		0%		0%		0%		0%	7.34
Asphalt	4.42	6%	0.07	0%	0.07	0%		0%		0%		0%	4.56
Concrete	0.23	0%		0%		0%		0%		0%		0%	0.23
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.61	1%		0%		0%		0%		0%		0%	0.61
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	21.26	30%	0.67	1%		0%		0%		0%		0%	21.93
Admin Road		0%		0%		0%		0%		0%	21.70	30%	21.70
Other		0%		0%		0%		0%		0%	0.76	1%	0.76
Totals	43.58	61%	1.39	2%	1.10	2%	2.43	3%	0.55	1%	22.46	31%	71.51

## 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	7.79	11%		0%		0%		0%		0%		0%	7.79
TC3	19.77	28%	1.12	2%		0%	2.43	3%	0.55	1%	12.65	18%	36.52
TC4	11.68	16%	0.20	0%	1.03	1%		0%		0%	9.81	14%	22.72
TC5	4.34	6%	0.07	0%	0.07	0%		0%		0%		0%	4.48
Totals	43.58	61%	1.39	2%	1.10	2%	2.43	3%	0.55	1%	22.46	31%	71.51

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



# **The Trail Inventory of Agassiz National Wildlife Refuge Middle River, Minnesota**



**Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
July, 2006**



# Agassiz 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%		0%		0%	0.00
Gravel	0.52	34%		0%		0%		0%		0%		0%	0.52
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	0.02	1%		0%		0%		0%		0%		0%	0.02
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	0.43	28%		0%		0%		0%		0%		0%	0.43
Admin Road		0%		0%		0%		0%		0%	0.57	37%	0.57
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.97	63%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.57	37%	1.54

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

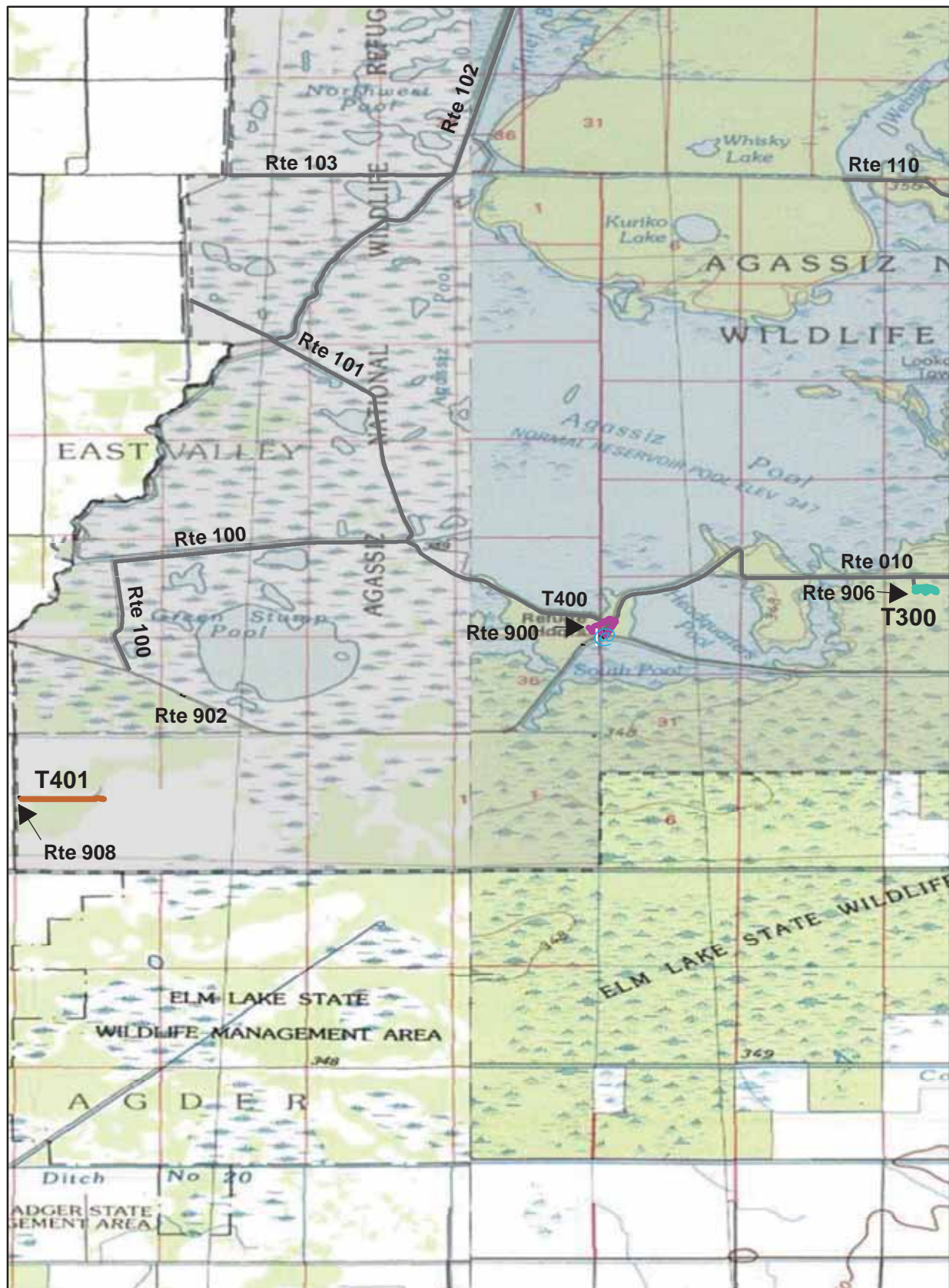
Trail Classificatio n	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3	0.43	28%		0%		0%		0%		0%		0%	0.43
TC4	0.54	35%		0%		0%		0%		0%	0.57	37%	1.11
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	0.97	63%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.57	37%	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	Sign	1	No	0.00	1045
T300	Bench	1	No	0.17	N/A
T400	Sign	1	No	0.00	1038
T400	Sign	18	Yes	N/A	1039
T400	Bench	1	No	0.01	N/A
T400	Bench	1	No	0.05	N/A
T400	Bench	1	No	0.10	N/A
T400	Bench	1	No	0.28	N/A
T400	Culvert -lf	10	No	0.29	N/A
T400	Bench	1	No	0.32	N/A
T400	Culvert -lf	10	No	0.39	N/A
T400	Bench	1	No	0.40	N/A
T400	Lookout/Ob Deck	1	No	0.42	N/A
T401	Sign	1	No	0.00	1051
T401	Gate	1	No	0.00	N/A
T401	Bench	1	No	0.31	N/A
T401	Lookout/Ob Deck	1	No	0.57	N/A
T401	Bench	1	No	0.57	N/A
sf-square feet					
lf-linear feet					
cf-cubic feet					

# AGASSIZ NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

 HQ/VC

 Miles  
0 1 2

## TRAILS ID

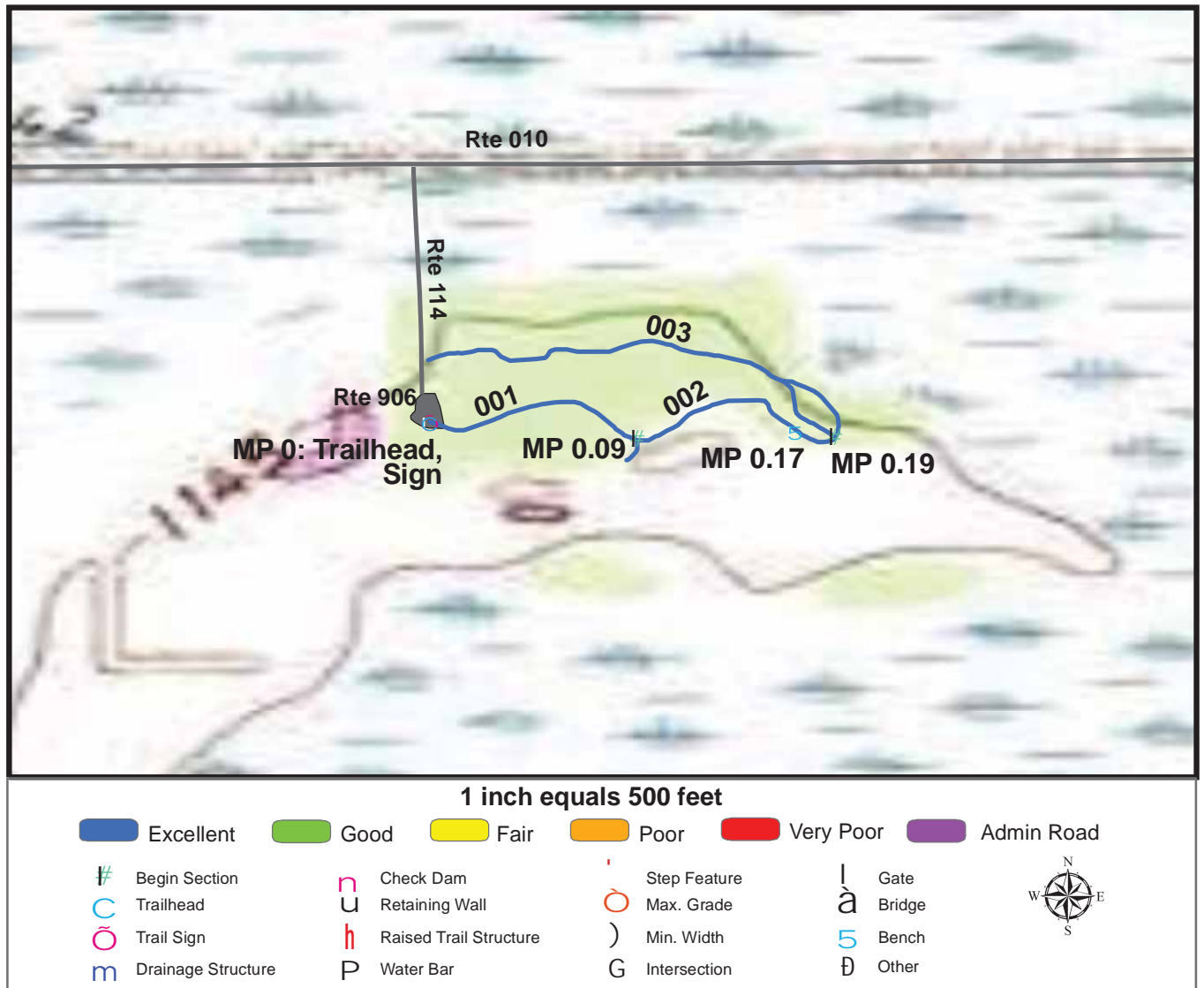
**Station Name: Agassiz National Wildlife Refuge**

**Org. Code: 32510**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Maakstad Trail	Mowed	10042686	0.43	From Maakstad Trail parking (Rte 906) to Maakstad Trail Access Road (Rte 114)
T400	Headquarters Hiking Trail	Gravel, Boardwalk	10011208	0.54	From Headquarters to headquarters parking (Rte 900)
T401	Rodahl Trail	Admin Road	N/A	0.57	From South Hunter Parking (Rte 908) to end of trail



# TRAIL CONDITION



**Trail Name:** Maakstad Trail

**Refuge Name:** Agassiz NWR

**Trail Number:** T300

**Region:** 3

**TOTAL LENGTH:** 0.43 Miles

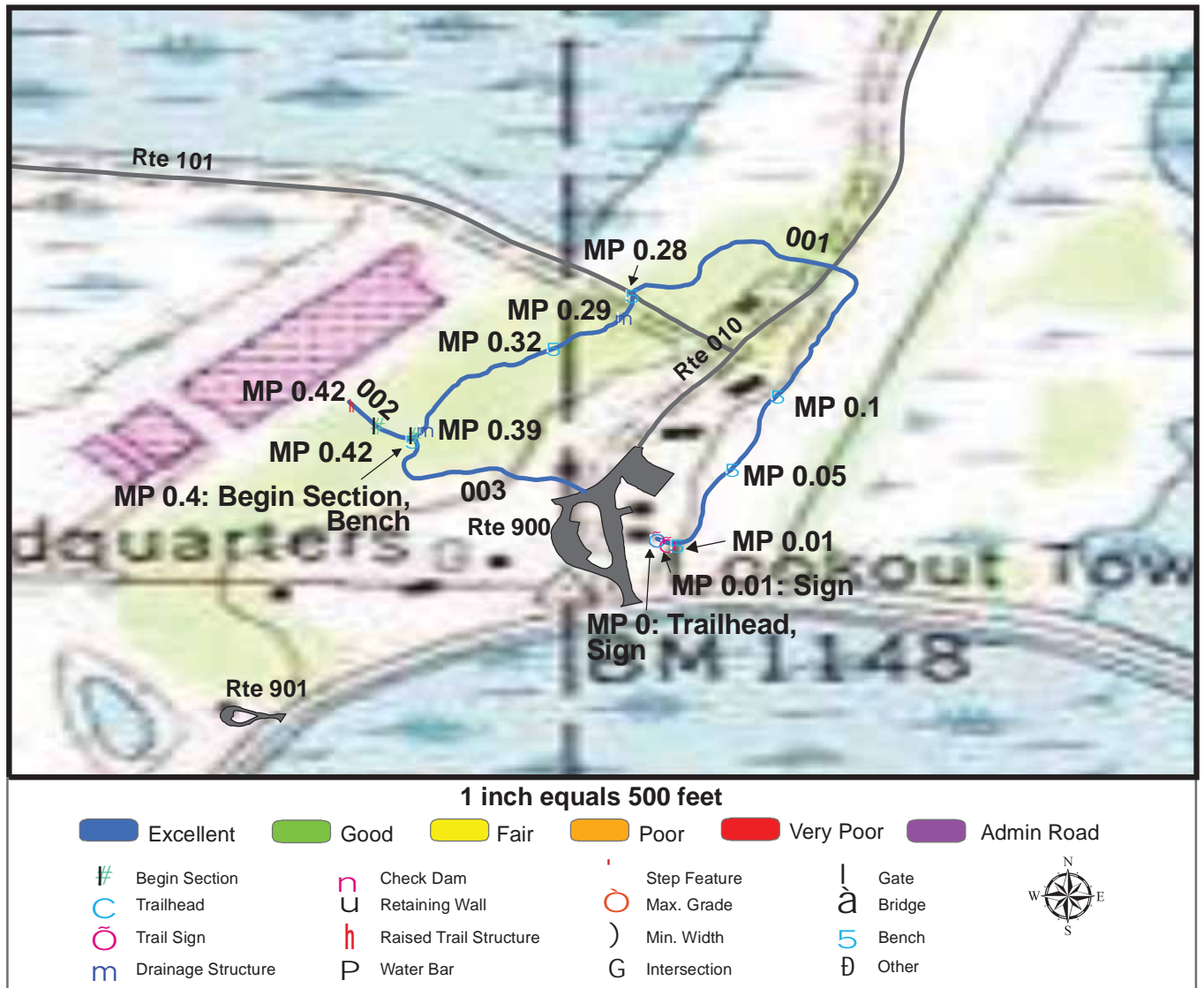
Section Number	001	002	003		
Section Length (miles)	0.1	0.14	0.19		
SAMMS Number	10042686	10042686	10042686		
Rating Date	7/11/2006	7/11/2006	7/11/2006		
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3		
Surface Type	Mowed	Mowed	Mowed		
Surface Firmness	Firm	Firm	Firm		
Width (inches)	72	72	93		
Average Grade (%)	2.8	2.8	2.8		
Average X-slope (%)	2.8	2.8	2.8		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$4200	\$5500	\$9600		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$19300	0	Excellent



# TRAIL CONDITION



**Trail Name:** Headquarters Hiking Trail

**Refuge Name:** Agassiz NWR

**Trail Number:** T400

**Region:** 3

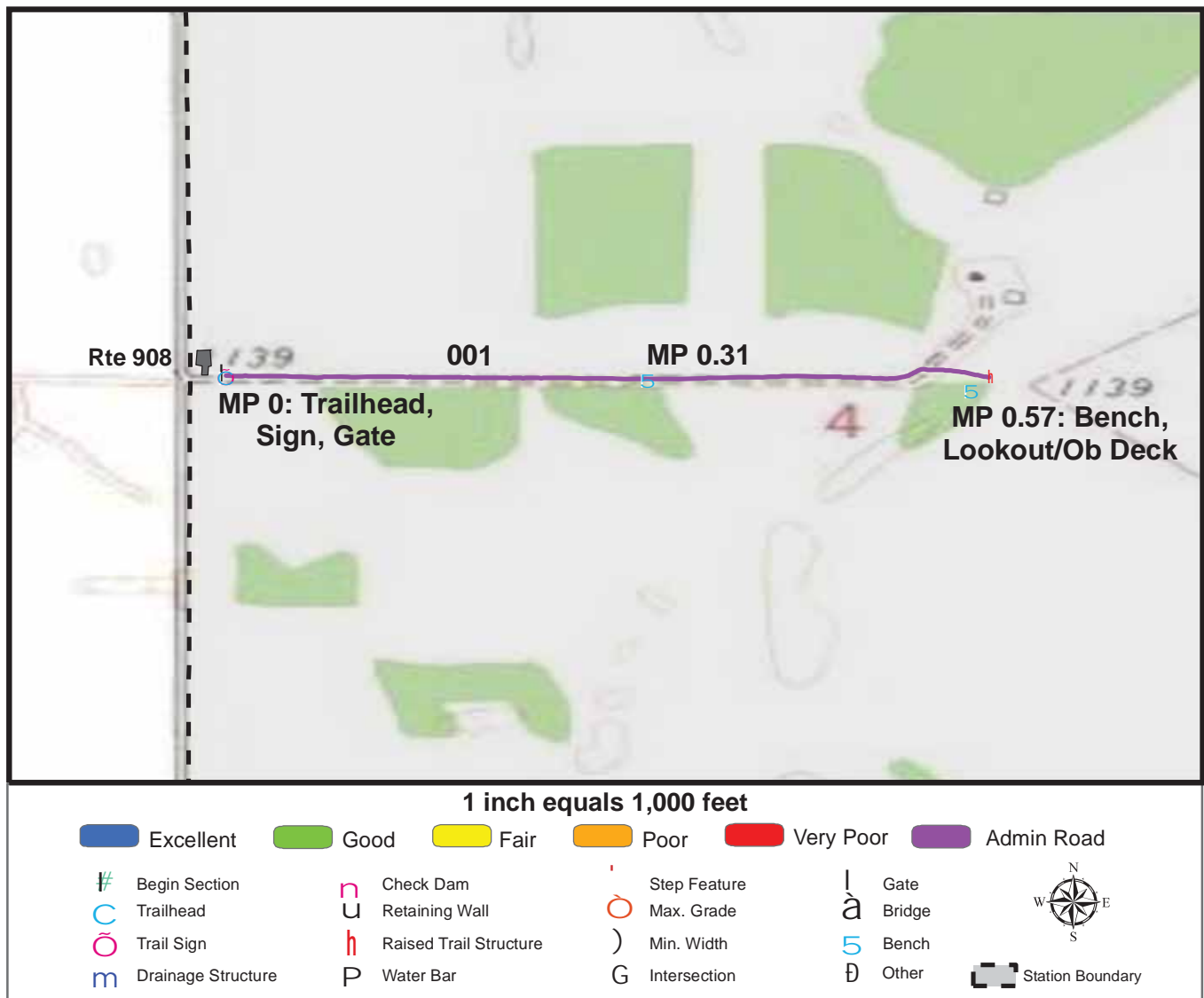
**TOTAL LENGTH:** 0.54 Miles

Section Number	001	002	003		
Section Length (miles)	0.42	0.02	0.1		
SAMMS Number	10011208	10011208	10011208		
Rating Date	7/11/2006	7/11/2006	7/11/2006		
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4		
Surface Type	Gravel	Boardwalk	Gravel		
Surface Firmness	Hard	Hard	Hard		
Width (inches)	89	60	80		
Average Grade (%)	2.1	2.1	2.1		
Average X-slope (%)	1.9	1.9	1.9		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$93800	\$12900	\$18500		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$125200	0	Excellent

TRAIL CONDITION



Trail Name: Rodahl Trail

Refuge Name: Agassiz NWR

Trail Number: T401

Region: 3

TOTAL LENGTH: 0.57 Miles

Section Number	001				
Section Length (miles)	0.57				
SAMMS Number	N/A				
Rating Date	7/11/2006				
<b>Trail Section Information</b>					
Trail Class	TC4				
Surface Type	Admin Road				
Surface Firmness	Hard				
Width (inches)	114				
Average Grade (%)	2				
Average X-slope (%)	2				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$0				
FCI	0				
Condition	Not Rated				

Trail Condition TOTALS

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

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1046 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1045 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1047 - MP 0.09 - Begin Section 002

TRAIL NUMBER: **T300**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1048 - MP 0.19 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1037 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1038 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1039 - MP 0.01 - Sign (Grouped feature)

TRAIL NUMBER: **T400**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1043 - MP 0.4 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1040 - MP 0.42 - Begin Section 002

TRAIL NUMBER: **T401**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1050 - MP 0.0 - Trailhead

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Agassiz NWR

DATE: 7/11/2006



Photo # 1051 - MP 0.0 - Sign



# **The Trail Inventory of Big Stone National Wildlife Refuge Odessa, Minnesota**



Prepared By:  
**Federal Highway Administration**  
**Central Federal Lands Highway Division**  
**July, 2006**



# Big Stone 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	0.84	78%		0%		0%		0%		0%		0%	0.84
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt	0.12	11%		0%		0%		0%		0%		0%	0.12
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	0.12	11%		0%		0%		0%		0%		0%	0.12
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	1.08	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.08

### 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	0.84	78%		0%		0%		0%		0%		0%	0.84
TC3	0.12	11%		0%		0%		0%		0%		0%	0.12
TC4		0%		0%		0%		0%		0%		0%	0.00
TC5	0.12	11%		0%		0%		0%		0%		0%	0.12
Totals	1.08	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.08

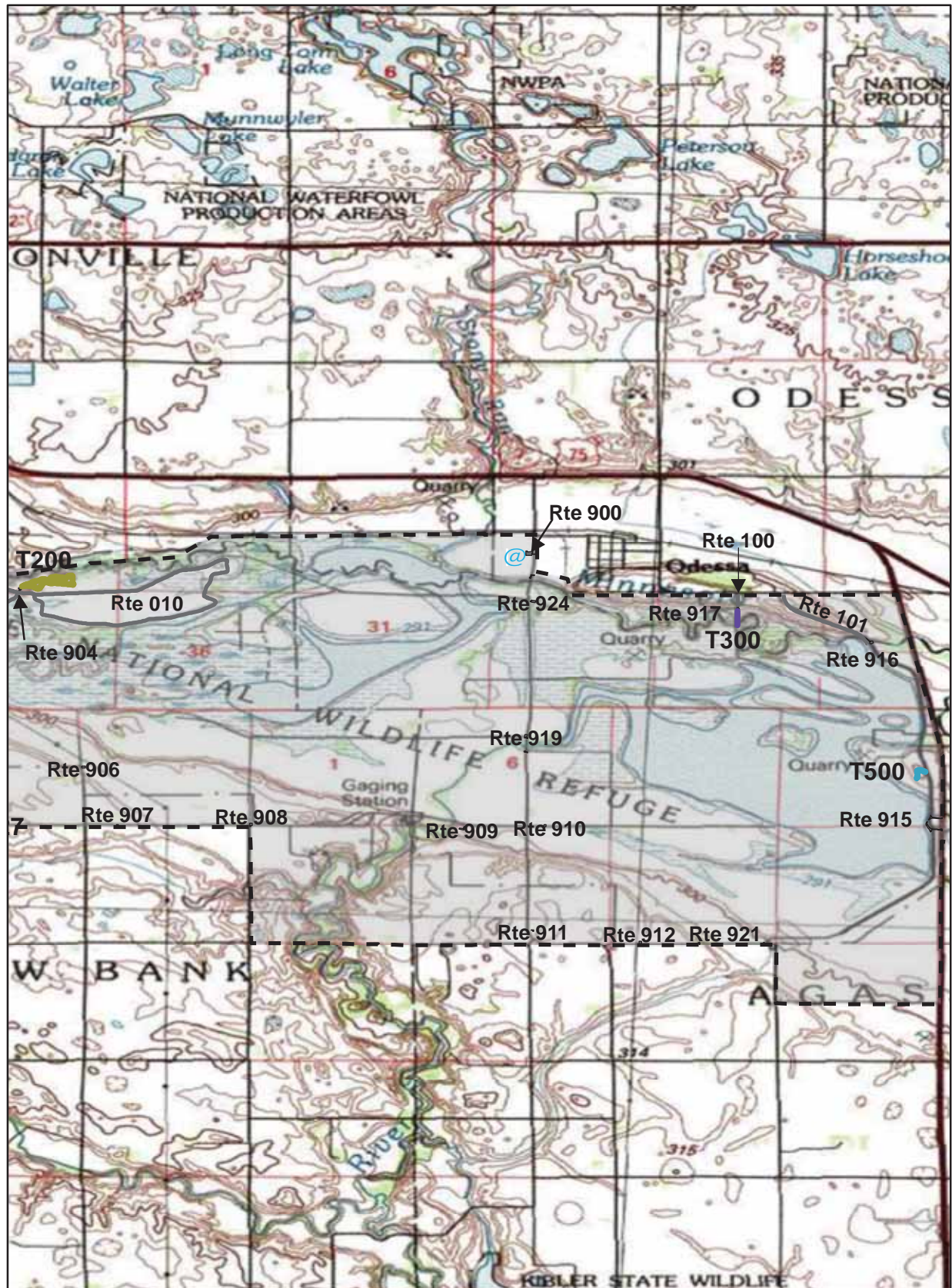
\* Admin Roads are included in the inventory but are not rated for condition.

## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Sign	3	No	0.00	1196
T200	Sign	7	No	0.01	1197 - 1203
T200	Sign	5	Yes	N/A	1205
T200	Other	1	No	0.01	N/A
T200	Bench	1	No	0.05	N/A
T200	Step: Rock -each	25	Yes	N/A	N/A
T200	Bench	1	No	0.80	N/A
T300	Sign	1	No	0.00	1215
T300	Bench	3	No	0.12	N/A
T500	Sign	3	No	0.12	1210
T500	Bench	4	No	0.12	N/A
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					



# BIG STONE NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

 HQ/VC

 Miles  
0 1 2



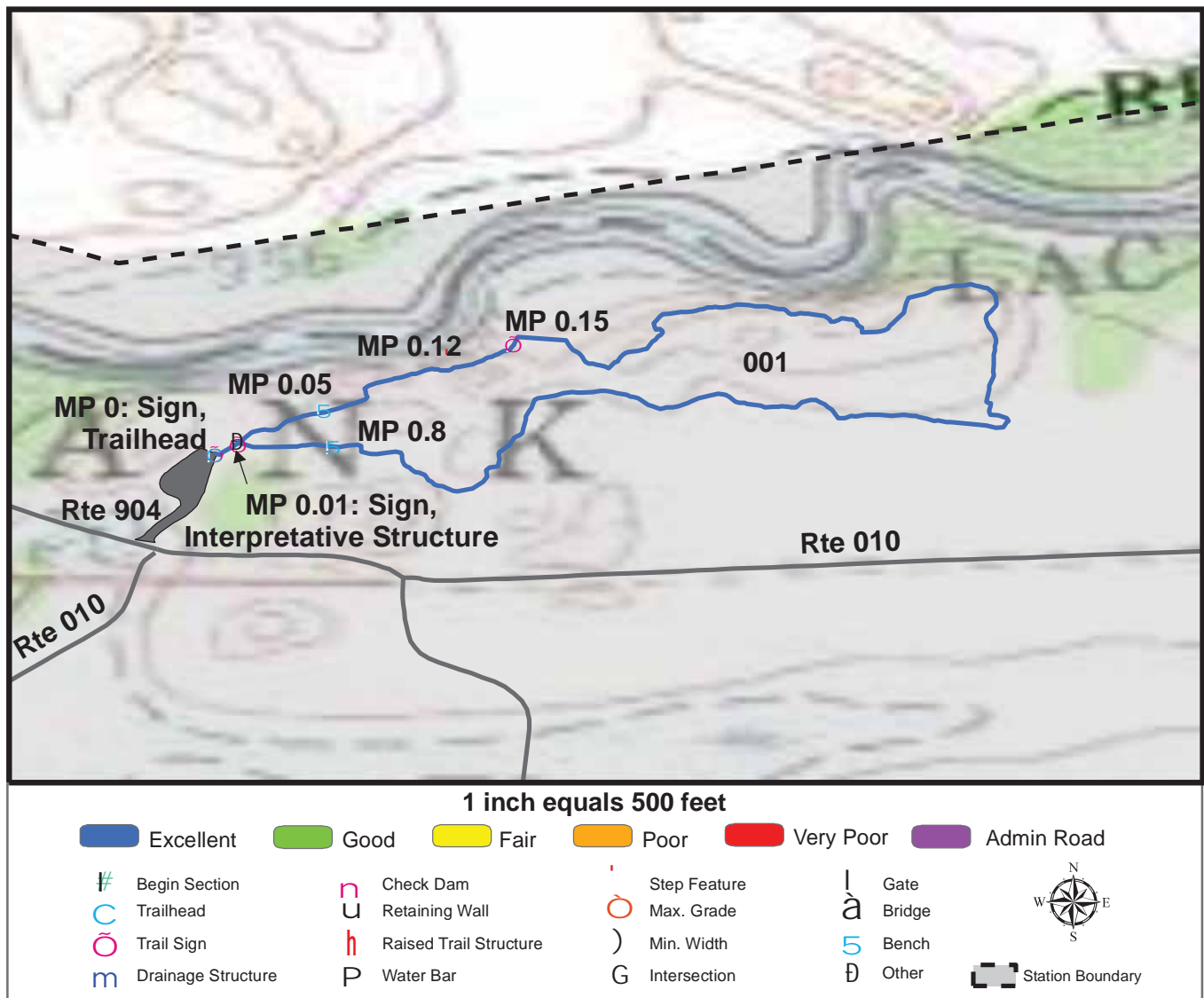
## TRAILS ID

**Station Name: Big Stone, NWR**

**Org. Code: 32640**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Granite Outcrop Trail	Gravel	10055160	0.84	From Hiking Trail Parking (Rte 904) to end of loop
T300	No Bridge Fishing Area Hiking Trail	Mowed	10036164	0.12	From Low Flow Parking (Rte 916) to end of trail
T500	Kaercher Overlook Trail	Asphalt	10055156	0.12	From North Spillway Parking (Rte 915) to end of trail

TRAIL CONDITION



Trail Name: Granite Outcrop Hiking Trail

Refuge Name: Big Stone NWR

Trail Number: T200

Region: 3

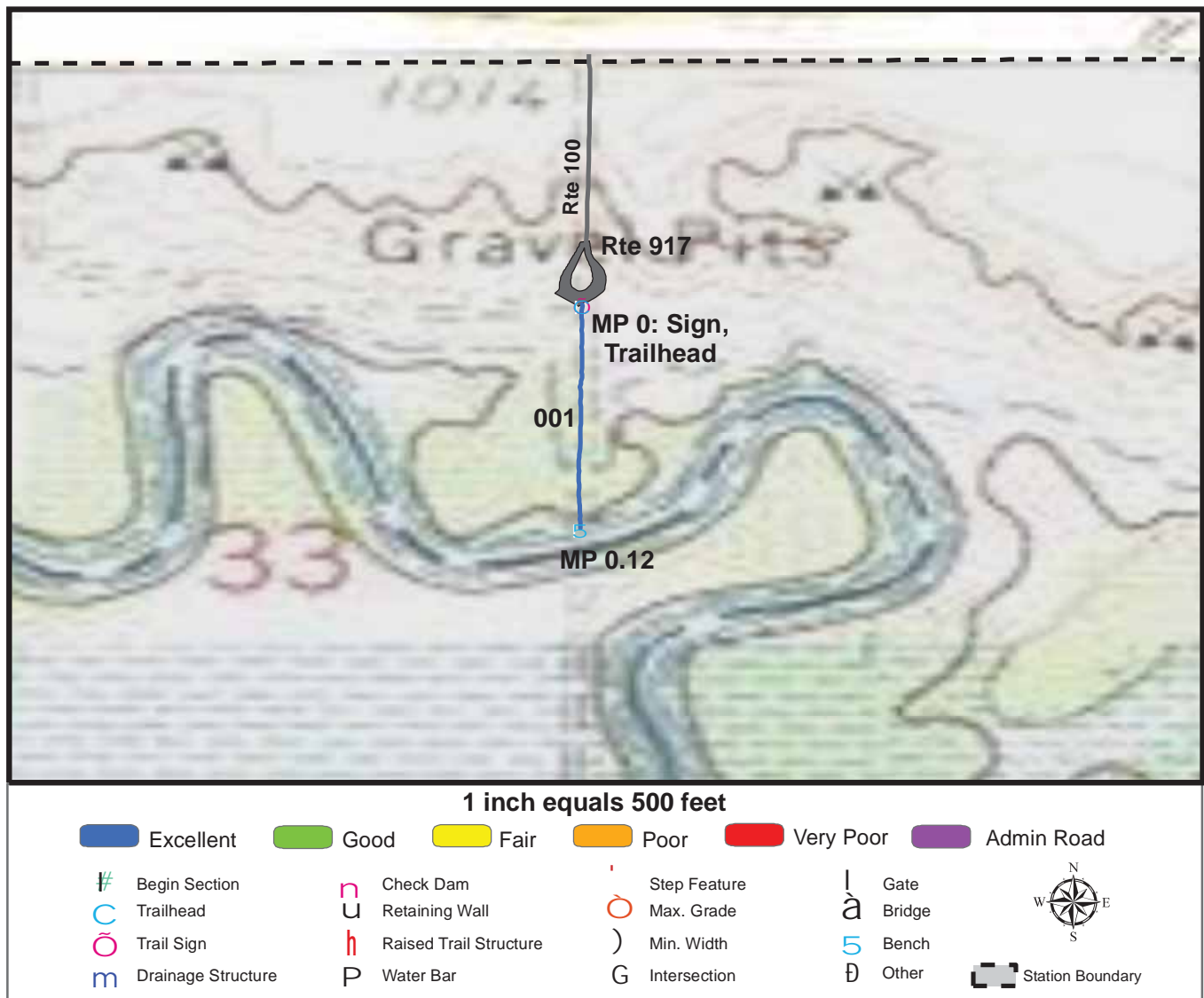
TOTAL LENGTH: 0.84 Miles

Section Number	001				
Section Length (miles)	0.84				
SAMMS Number	10055160				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC2				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	16				
Average Grade (%)	2.3				
Average X-slope (%)	3.1				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$35200				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$35200	0	Excellent

TRAIL CONDITION



Trail Name: No Bridge Fishing Area Hiking Trail      Refuge Name: Big Stone NWR

Trail Number: T300

Region: 3

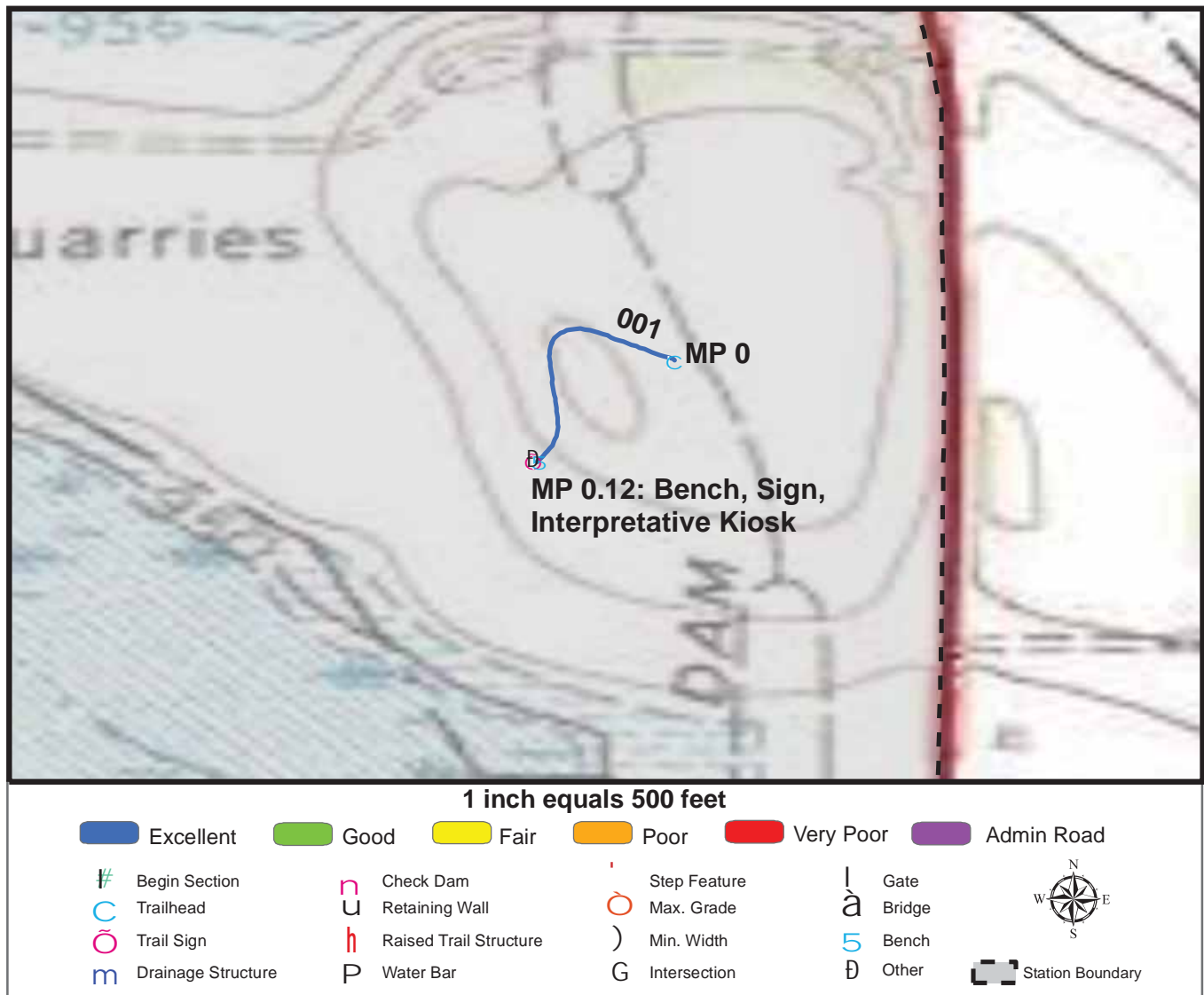
TOTAL LENGTH: 0.12 Miles

Section Number	001				
Section Length (miles)	0.12				
SAMMS Number	10036164				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	144				
Average Grade (%)	7.3				
Average X-slope (%)	1.7				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$9700				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$9700	0	Excellent

TRAIL CONDITION



Trail Name: Kaercher Hiking Trail

Refuge Name: Big Stone NWR

Trail Number: T500

Region: 3

TOTAL LENGTH: 0.12 Miles

Section Number	001				
Section Length (miles)	0.12				
SAMMS Number	10055156				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Asphalt				
Surface Firmness	Paved				
Width (inches)	84				
Average Grade (%)	2.2				
Average X-slope (%)	2.2				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$31700				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$31700	0	Excellent



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1195 - MP 0.0 - Trailhead

TRAIL NUMBER: **T200**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1196 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1197 - 1203 - MP 0.01 - Sign

TRAIL NUMBER: **T200**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1205 - MP 0.15 - Sign (Grouped Feature)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1216 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1215 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1209 - MP 0.0 - Trailhead

TRAIL NUMBER: **T500**

STATION: Big Stone NWR

DATE: 7/14/2006



Photo # 1210 - MP 0.12 - Sign



# **The Trail Inventory of Crane Meadows National Wildlife Refuge Little Falls, Minnesota**



**Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
July, 2006**



# Crane Meadows 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%		0%		0%	0.00
Gravel	0.12	3%		0%		0%		0%		0%		0%	0.12
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%		0%		0%		0%		0%		0%	0.00
Mowed	3.59	97%		0%		0%		0%		0%		0%	3.59
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	3.71	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	3.71

### 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%		0%		0%	0.00
TC4	3.71	100%		0%		0%		0%		0%		0%	3.71
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	3.71	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	3.71

\* 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	9	Yes	0.01	1249
T400	Sign	2	No	0.05	1250
T400	Bench	1	No	0.05	N/A
T400	Lookout/Ob Deck	1	No	0.05	N/A
T400	Sign	6	Yes	0.04	1252
T400	Sign	23	Yes	0.04	1252
T400	Bench	1	No	0.56	N/A
T400	Bench	1	No	0.95	N/A
T400	Bench	1	No	1.87	N/A
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					

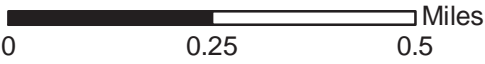


# CRANE MEADOWS NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

 HQ/VC



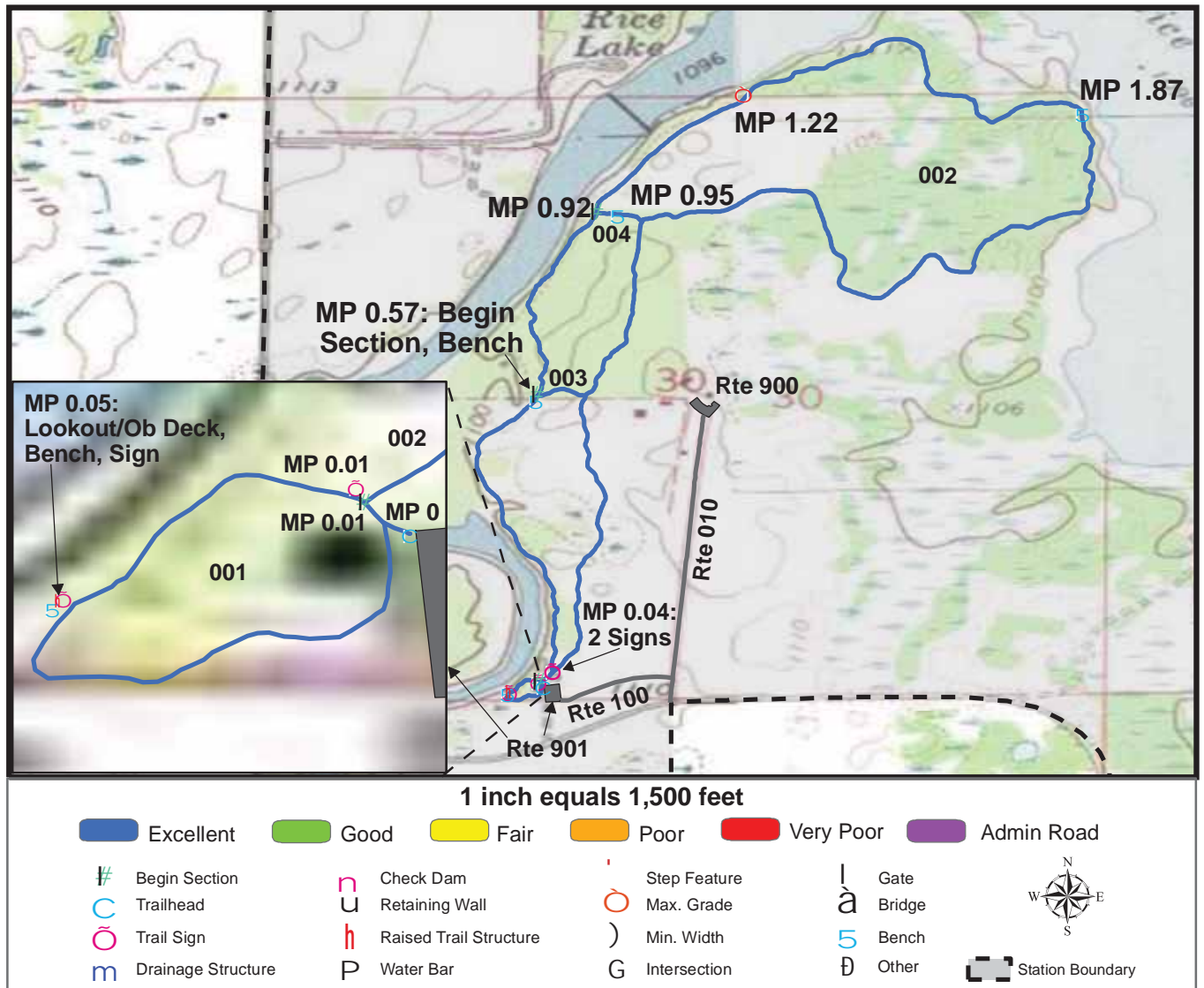
## TRAILS ID

**Station Name: Crane Meadows National Wildlife Refuge**

**Org. Code: 32555**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Platte River Trail	Gravel, Mowed	10011588	3.71	From Platte River Trail Parking (Rte 901) to end of loop.

# TRAIL CONDITION



**Trail Name:** Platte River Trail

**Refuge Name:** Crane Meadows NWR

**Trail Number:** T400

**Region:** 3

**TOTAL LENGTH:** 3.71 Miles

Section Number	001	002	003	004	
Section Length (miles)	0.12	3.47	0.06	0.06	
SAMMS Number	10011588	10011588	10011588	10011588	
Rating Date	7/17/2006	7/17/2006	7/17/2006	7/17/2006	
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4	TC4	
Surface Type	Gravel	Mowed	Mowed	Mowed	
Surface Firmness	Firm	Firm	Firm	Firm	
Width (inches)	60	72	84	72	
Average Grade (%)	3	3	3	3	
Average X-slope (%)	3.6	3.6	3.6	3.6	
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	
CRV	\$17700	\$136200	\$2900	\$2300	
FCI	0	0	0	0	
Condition	Excellent	Excellent	Excellent	Excellent	

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$159100	0	Excellent



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1247 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1249 - MP 0.01 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1251 - MP 0.01 - Begin Section 002

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1252 - MP 0.04 - Sign (Grouped features), Sign (Grouped features)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1250 - MP 0.05 - Sign

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1253 - MP 0.57 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Crane Meadows NWR

DATE: 7/17/2006



Photo # 1254 - MP 0.92 - Begin Section 004

# **The Trail Inventory of Detroit Lakes Wetland Management District Detroit Lakes, Minnesota**



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



# Detroit Lakes WMD

## 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%		0%		0%	0.00
Gravel	0.10	8%		0%		0%		0%		0%		0%	0.10
Asphalt	0.08	7%		0%		0%		0%		0%		0%	0.08
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.04	3%		0%		0%		0%		0%		0%	0.04
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%	0.98	82%	0.98
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.22	18%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.98	82%	1.20

### 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	0.10	8%		0%		0%		0%		0%	0.98	82%	1.08
TC5	0.12	10%		0%		0%		0%		0%		0%	0.12
Totals	0.22	18%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.98	82%	1.20

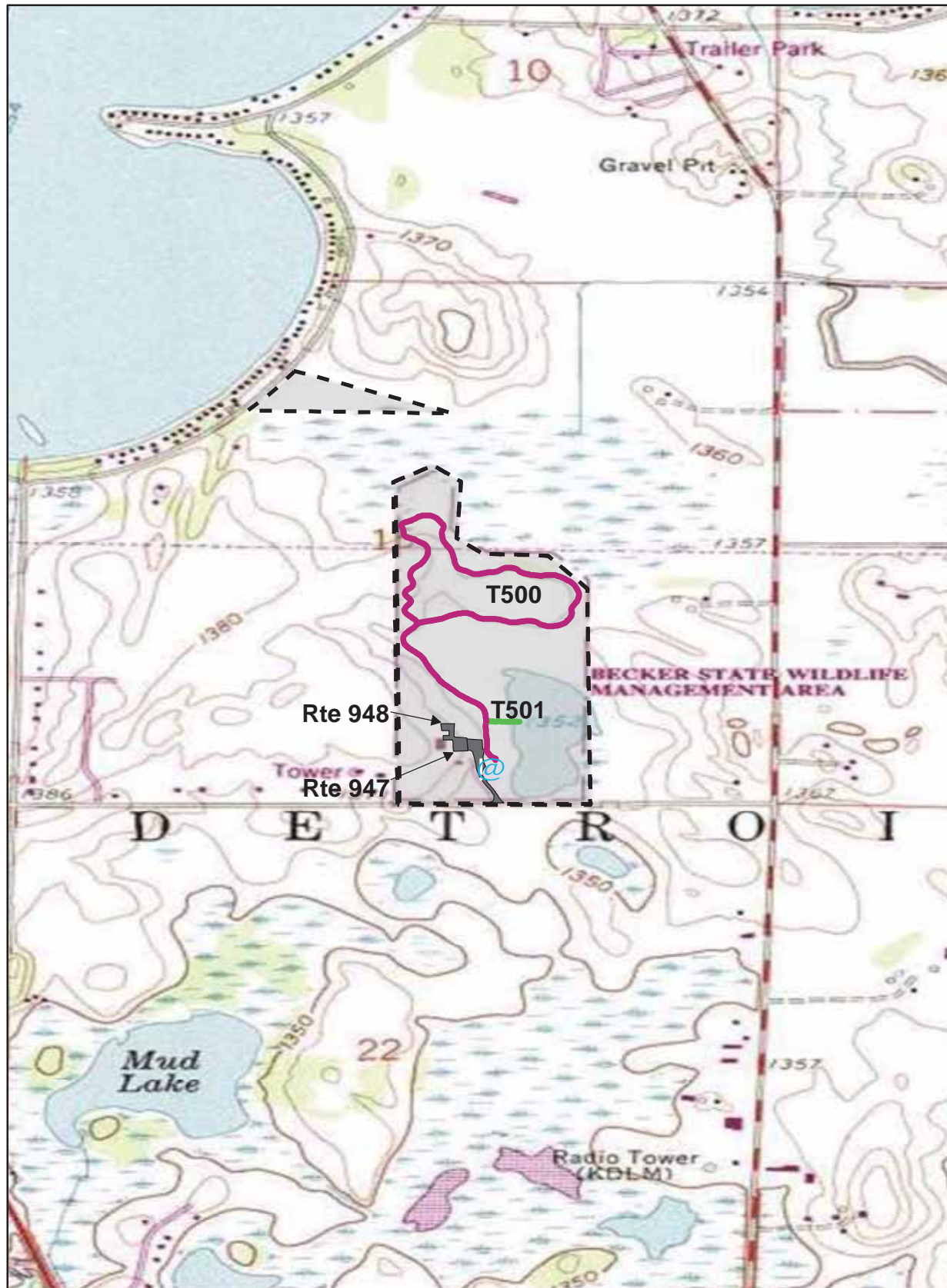
\* Admin Roads are included in the inventory but are not rated for condition.



## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T500	Lookout/Ob Deck	1	No	0.00	N/A
T500	Bench	2	No	0.00	N/A
T500	Sign	2	No	0.05	1112
T501	Bench	1	No	0.04	N/A
T500	Bench	1	No	0.95	N/A
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					

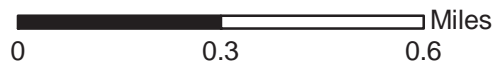
# DETROIT LAKES WETLANDS MANAGEMENT DISTRICT TRAIL LOCATION MAP



Station Boundary



HQ/VC



## TRAILS ID

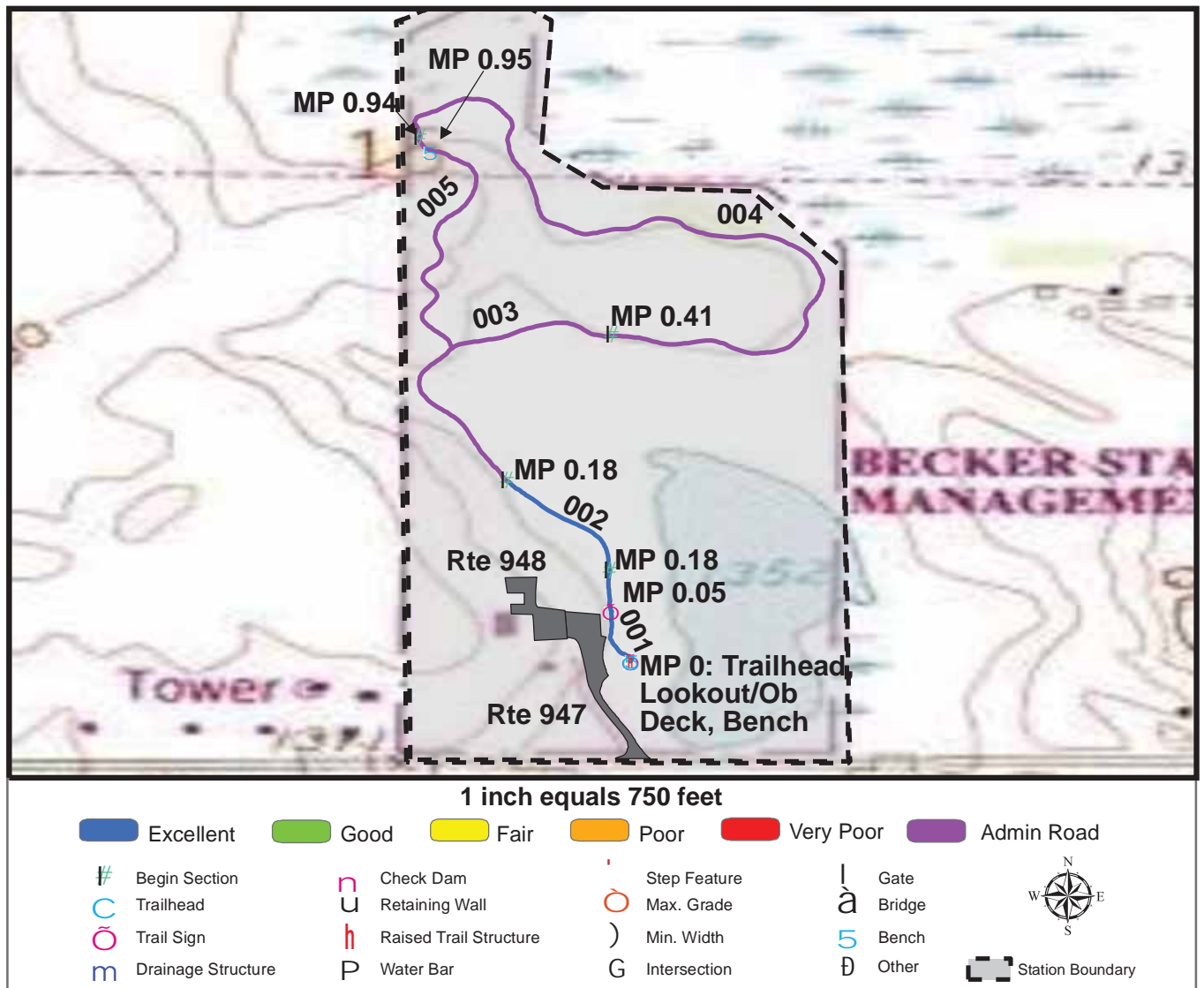
**Station Name: Detroit Lakes WMD**

**Org. Code: 35286**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T500	Prairie Marsh Intrepretive Trail	Asphalt, Gravel, Admin Road	N/A	1.16	From Headquarters Parking (Rte 947) to end of Loop.
T501	Boardwalk Trail	Boardwalk	10012158	0.04	From Prairie Marsh Hiking Trail to end of boardwalk.



## TRAIL CONDITION



**Trail Name:** Prairie Marsh Interpretive Trail

**Refuge Name:** Detroit Lakes

**Trail Number:** T500

**Region:** 3

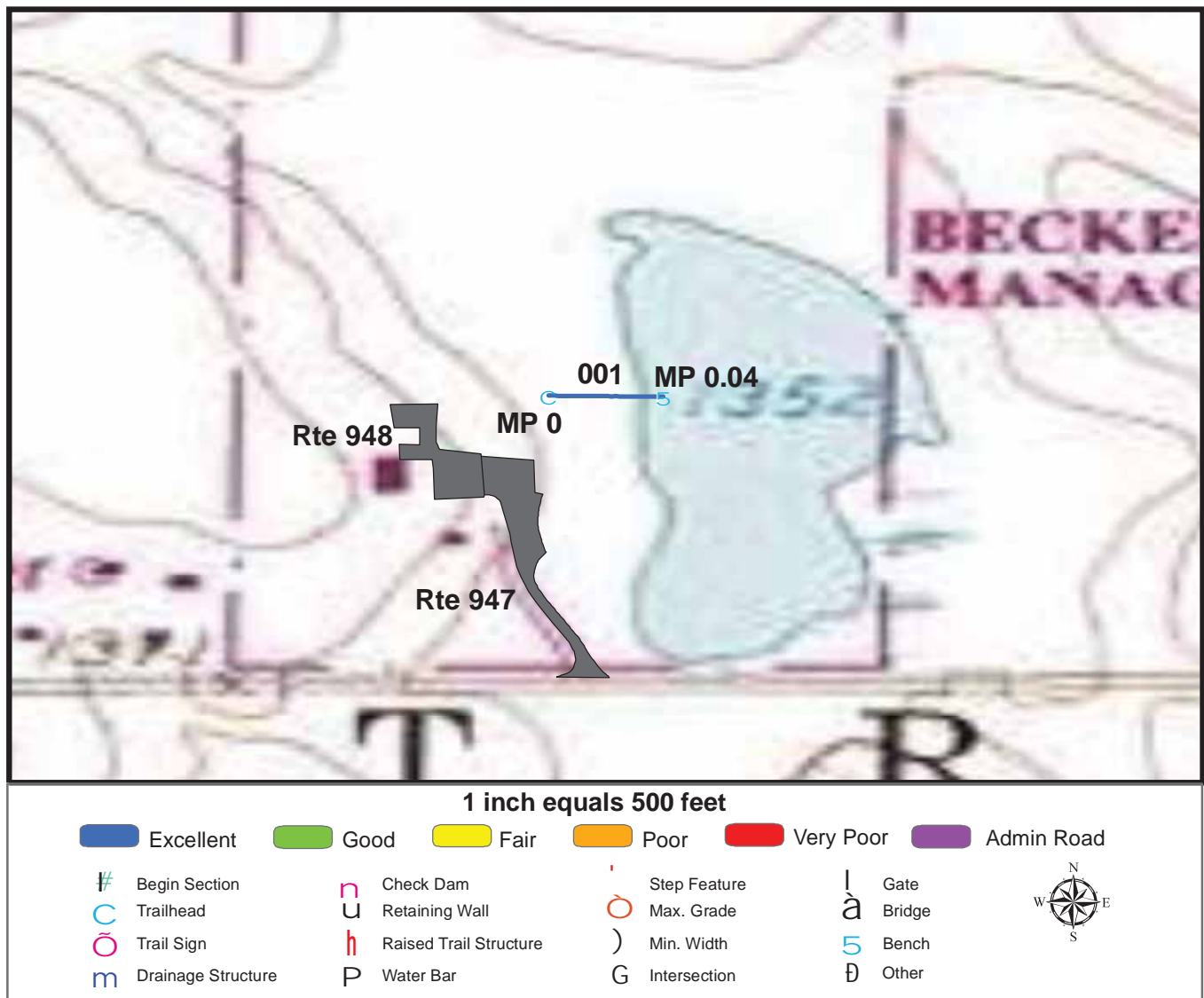
**TOTAL LENGTH:** 1.16 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.08	0.1	0.23	0.53	0.22
SAMMS Number	N/A	N/A	N/A	N/A	N/A
Rating Date	7/12/2006	7/12/2006	7/12/2006	7/12/2006	7/12/2006
<b>Trail Section Information</b>					
Trail Class	TC5	TC4	TC4	TC4	TC4
Surface Type	Asphalt	Gravel	Admin Road	Admin Road	Admin Road
Surface Firmness	Paved	Hard	Firm	Firm	Hard
Width (inches)	95	102	120	120	120
Average Grade (%)	2.2	2.2	2.2	2.2	2.2
Average X-slope (%)	4.1	4.1	4.1	4.1	4.1
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	\$0
CRV	\$23900	\$25000	\$0	\$0	\$0
FCI	0	0	0	0	0
Condition	Excellent	Excellent	Not Rated	Not Rated	Not Rated

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$48900	0	Excellent

TRAIL CONDITION



Trail Name: Boardwalk Trail

Refuge Name: Detroit Lakes

Trail Number: T501

Region: 3

TOTAL LENGTH: 0.04 Miles

Section Number	001				
Section Length (miles)	0.04				
SAMMS Number	10012158				
Rating Date	7/12/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Boardwalk				
Surface Firmness	Hard				
Width (inches)	96				
Average Grade (%)	2.3				
Average X-slope (%)	3.7				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$50700				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$50700	0	Excellent

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1107 - MP 0.0 - Trailhead

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1111 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1112 - MP 0.05 - Sign

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1114 - MP 0.18 - Begin Section 002

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1115 - MP 0.18 - Begin Section 003

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1116 - MP 0.41 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1118 - MP 0.94 - Begin Section 005

TRAIL NUMBER: **T501**

STATION: Detroit Lakes WMD

DATE: 7/12/2006



Photo # 1113 - MP 0.0 - Trailhead



# **The Trail Inventory of Fergus Falls Wetland Management District Fergus Falls, Minnesota**



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



# Fergus Falls WMD

## 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%	1.03	25%		0%		0%		0%	1.03
Gravel	2.79	68%	0.07	2%		0%		0%		0%		0%	2.86
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	0.04	1%		0%		0%		0%		0%		0%	0.04
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	0.17	4%		0%		0%		0%		0%		0%	0.17
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	3.00	73%	0.07	2%	1.03	25%	0.00	0%	0.00	0%	0.00	0%	4.10

### 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	0.03	1%		0%		0%		0%		0%		0%	0.03
TC3	0.17	4%		0%		0%		0%		0%		0%	0.17
TC4	2.76	67%	0.07	2%	1.03	25%		0%		0%		0%	3.86
TC5	0.04	1%		0%		0%		0%		0%		0%	0.04
Totals	3.00	73%	0.07	2%	1.03	25%	0.00	0%	0.00	0%	0.00	0%	4.10

\* 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	1	No	0.15	1164
T400	Bench	2	No	0.17	N/A
T400	Sign	1	No	0.42	1172
T400	Sign	1	No	0.39	1174
T400	Sign	1	No	0.42	1175
T401	Sign	3	Yes	N/A	1179
T401	Water Bar:Wood -each	2	Yes	N/A	N/A
T401	Bench	1	No	0.18	N/A
T401	Culvert -lf	25	No	0.40	N/A
T401	Bench	1	No	0.76	N/A
T401	Bench	1	No	1.05	N/A
T401	Bench	1	No	1.32	N/A
T401	Bench	1	No	1.54	N/A
T402	Water Bar:Wood -each	2	Yes	N/A	N/A
T402	Bench	1	No	0.10	N/A
T402	Bench	1	No	0.13	N/A
T402	Sign	1	No	0.19	1182
T402	Sign	2	Yes	N/A	1184
T402	Bench	1	No	0.38	N/A
T402	Sign	1	No	0.76	1187
T402	Lookout/Ob Deck	1	No	0.76	N/A
T403	Bench	1	No	0.12	N/A
T403	Sign	3	Yes	N/A	1192
T403	Bench	1	No	0.27	N/A
T403	Bench	1	No	0.49	N/A
T403	Bench	1	No	0.71	N/A
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					



# FERGUS FALLS WETLAND MANAGEMENT DISTRICT TRAIL LOCATION MAP



Station Boundary



HQ/VC

0 0.25 0.5 Miles

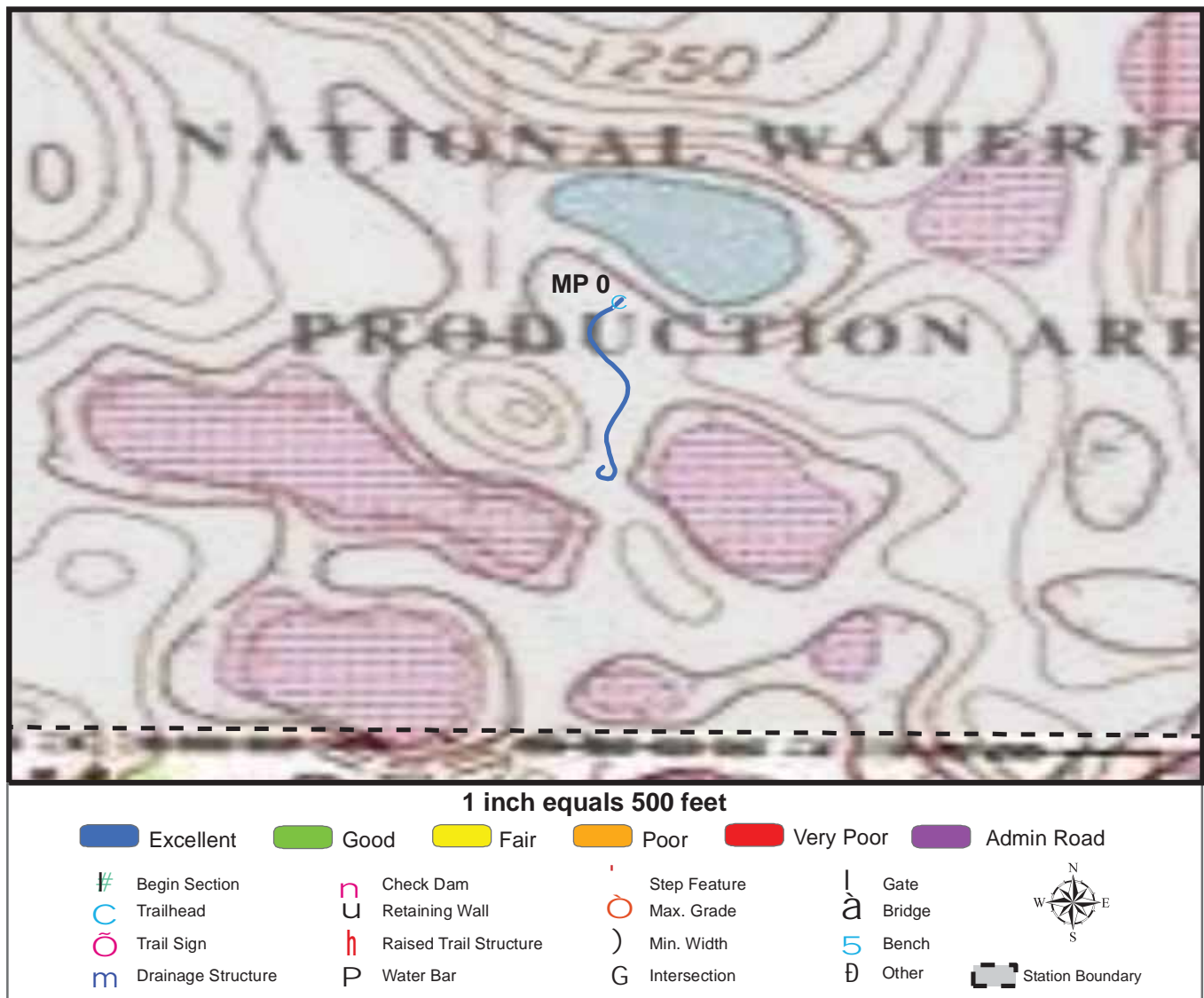
## TRAILS ID

**Station Name: Fergus Falls WMD**

**Org. Code: 32585**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Native Prairie Trail	Mowed	10012124	0.12	From trailhead to end of trail
T400	Malarad Marsh Trail	Gravel, Boardwalk	10012124	0.58	From visitor center to outdoor auditorium
T401	Wetland Way Trail	Gravel	10012124	1.54	From trailhead to end of trail
T402	Tatanka Trail	Gravel, Mowed	10012124	0.83	From trailhead to observation deck
T403	Tintah Trail	Native	10012124	1.03	From trailhead to end of trail

TRAIL CONDITION



Trail Name: Native Prairie Trail

Refuge Name: Fergus Falls WMD

Trail Number: T300

Region: 3

TOTAL LENGTH: 0.12 Miles

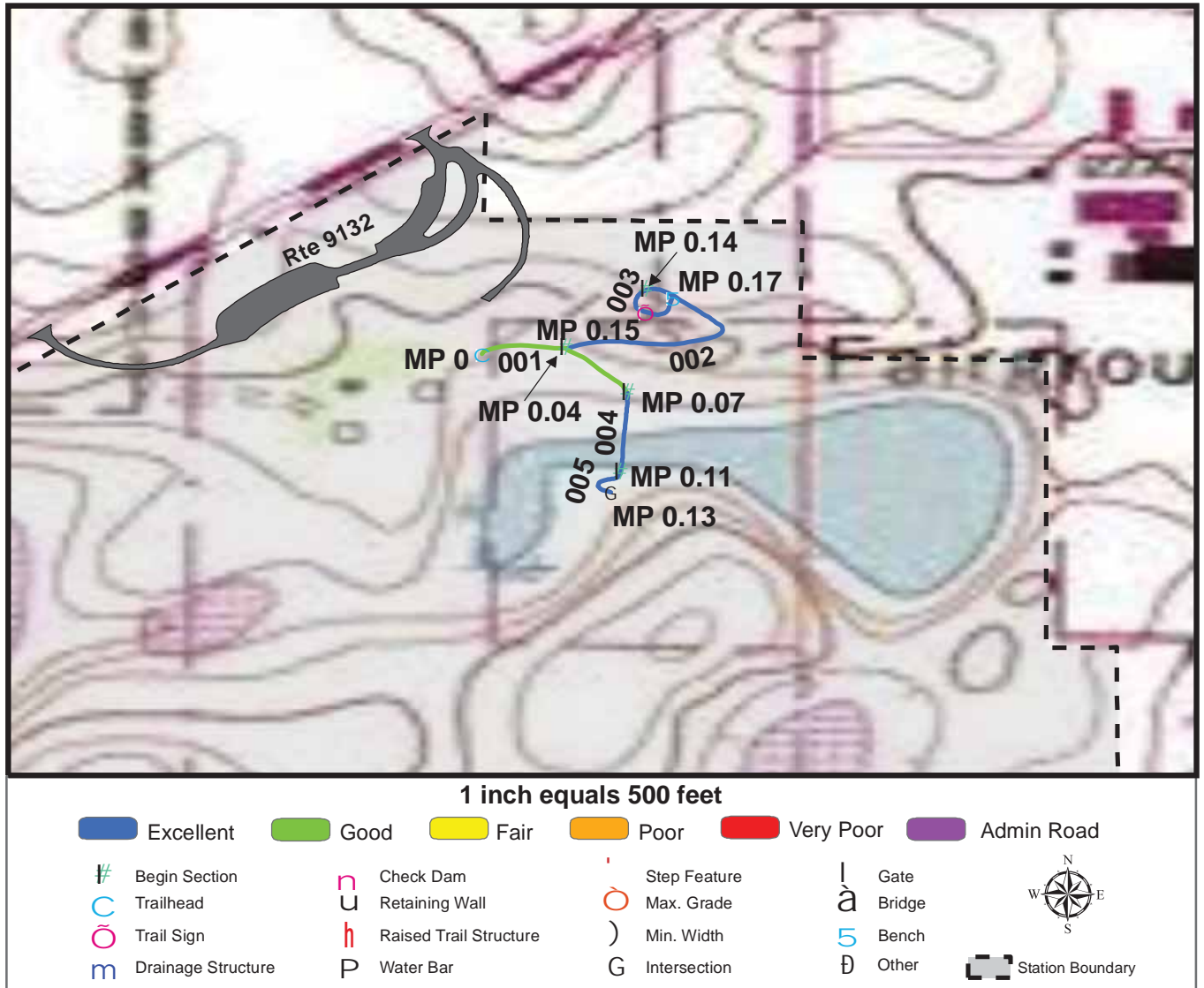
Section Number	001				
Section Length (miles)	0.12				
SAMMS Number	10012124				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	108				
Average Grade (%)	3.5				
Average X-slope (%)	6.3				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$7100				
FCI	0				
Condition	Excellent				

**Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
\$0	\$7100	0	Excellent



# TRAIL CONDITION



**Trail Name:** Malarad Marsh Trail

**Refuge Name:** Fergus Falls WMD

**Trail Number:** T400

**Region:** 3

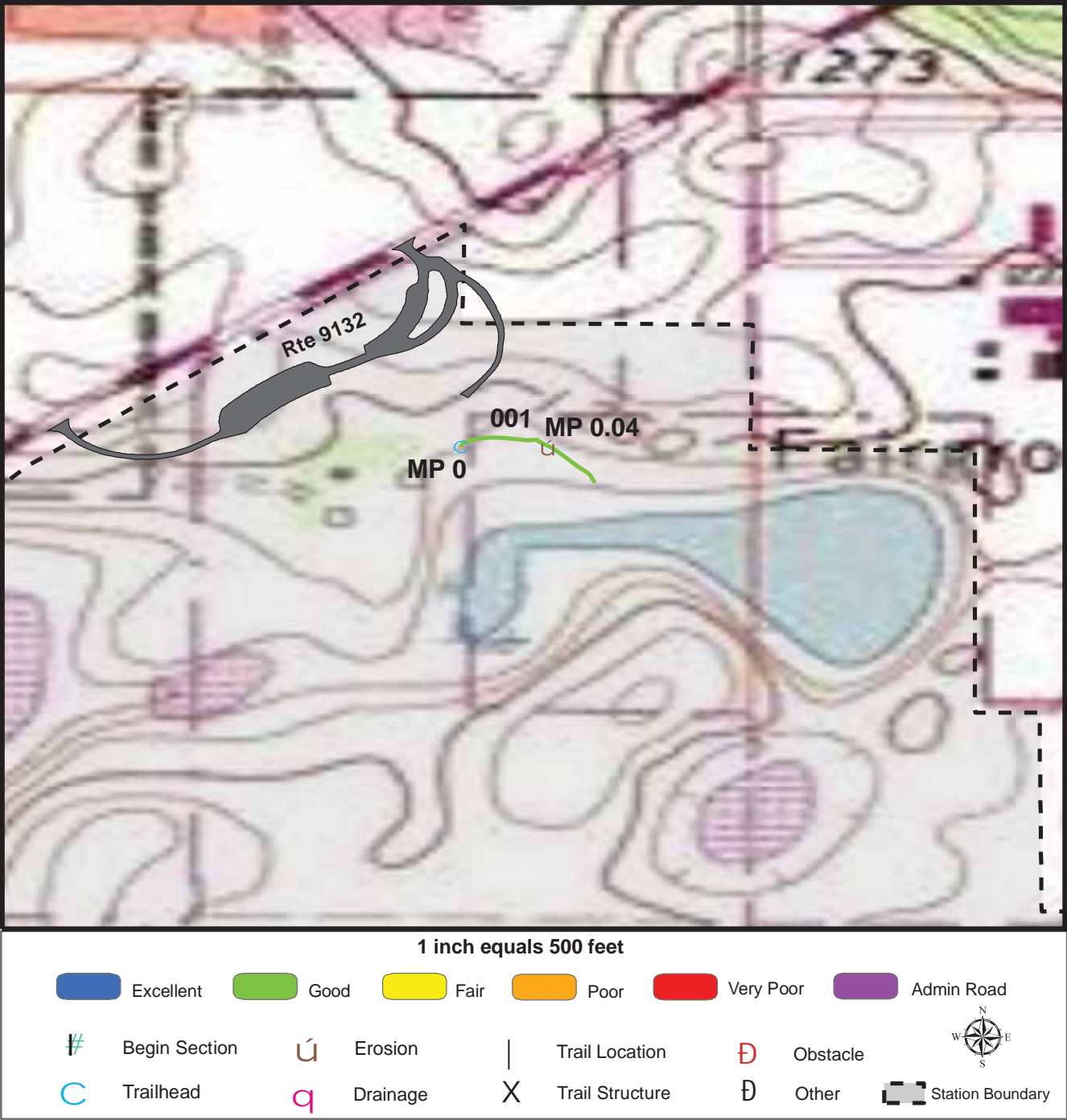
**TOTAL LENGTH:** 0.58 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.07	0.1	0.03	0.04	0.02
SAMMS Number	10012124	10012124	10012124	10012124	10012124
Rating Date	7/14/2006	7/14/2006	7/14/2006	7/14/2006	7/14/2006
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC2	TC4	TC4
Surface Type	Gravel	Gravel	Gravel	Boardwalk	Gravel
Surface Firmness	Firm	Firm	Firm	Hard	Firm
Width (inches)	120	84	44	57	60
Average Grade (%)	4.4	4.4	4.4	4.4	4.4
Average X-slope (%)	4.8	4.8	4.8	4.8	4.8
<b>Trail Condition Information</b>					
Deferred Maintenance	\$300	\$0	\$0	\$0	\$0
CRV	\$19800	\$20500	\$3600	\$29700	\$2700
FCI	0.015	0	0	0	0
Condition	Good	Excellent	Excellent	Excellent	Excellent

## Trail Condition TOTALS

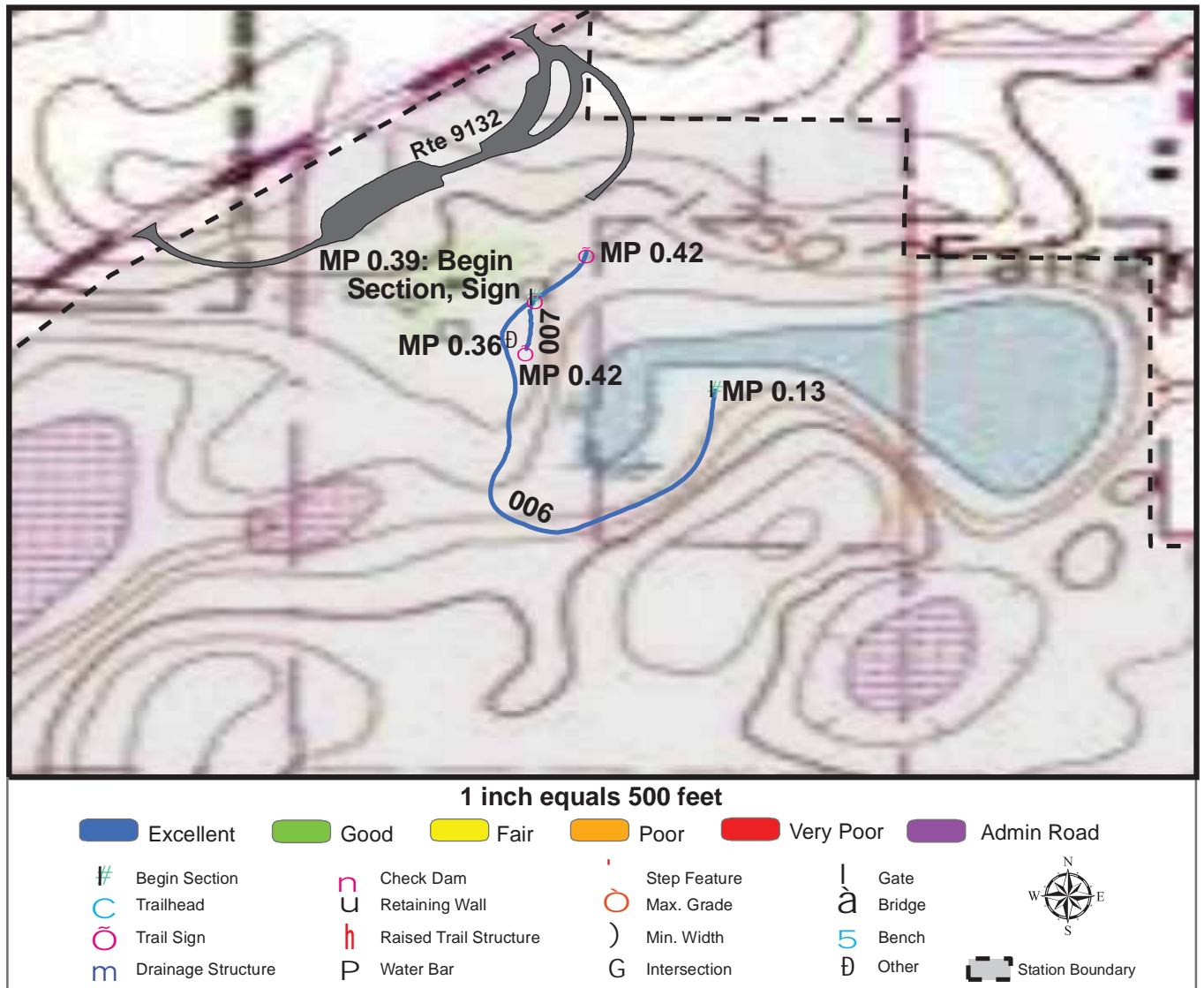
Deferred Maintenance	CRV	FCI	Condition
\$300	\$140500	0.002	Excellent

TRAIL DEFICIENCY



Trail Name: Malarad Marsh Trail		Refuge Name: Fergus Falls WMD		
Trail Number: T400		Region: 3		TOTAL LENGTH: 0.58 Miles
Mile Post	0.04			
Section Number	001			
Photo Number	1165			
Deficiency	Erosion			
Action	Build/Add			
Item	Water Bar:Wood -each			
Quantity	2			
Deferred Maintenance	\$300			

# TRAIL CONDITION



**Trail Name:** Malarad Marsh Trail

**Refuge Name:** Fergus Falls WMD

**Trail Number:** T400

**Region:** 3

**TOTAL LENGTH:** 0.58 Miles

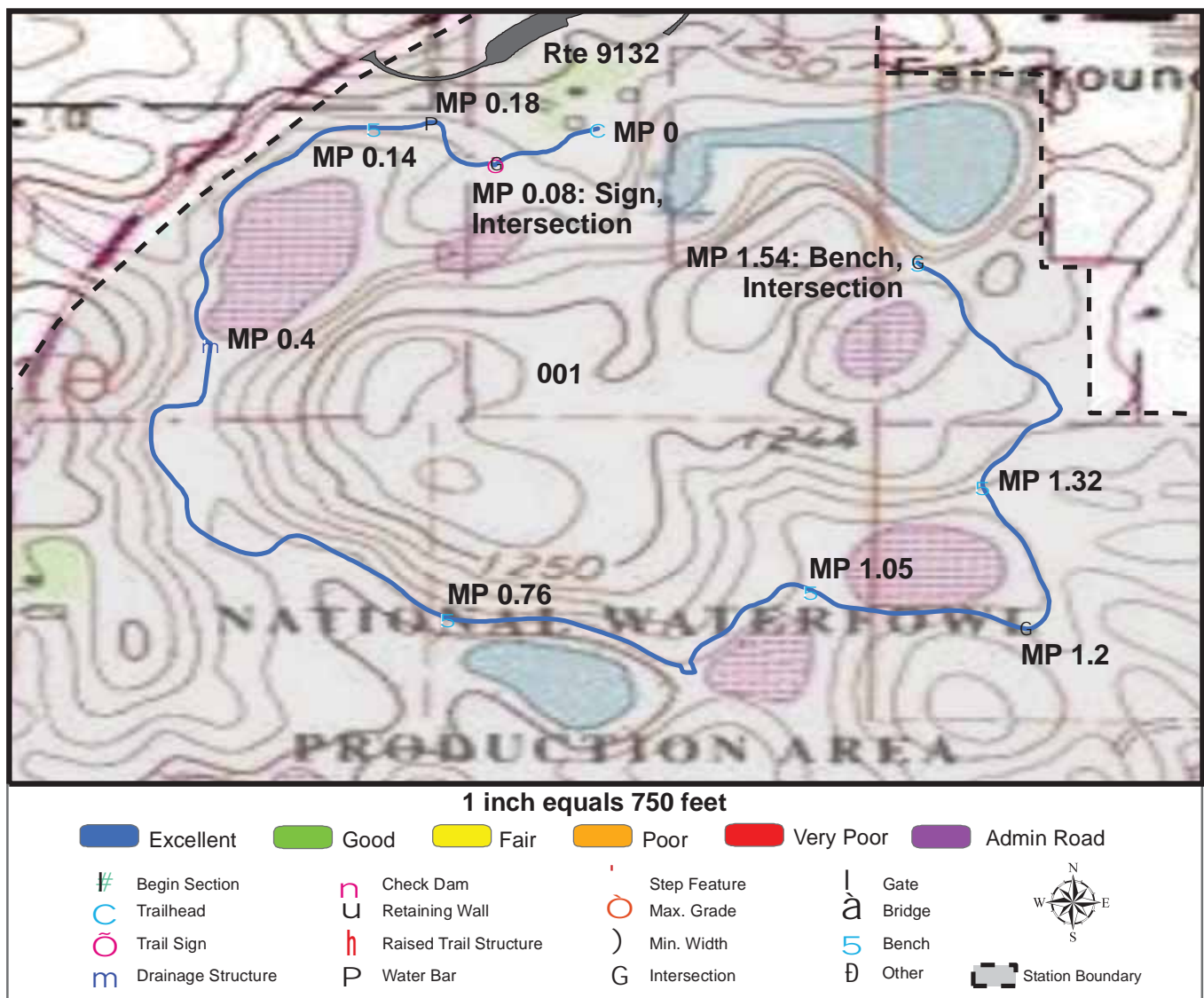
Section Number	006	007			
Section Length (miles)	0.29	0.03			
SAMMS Number	10012124	10012124			
Rating Date	7/14/2006	7/14/2006			
<b>Trail Section Information</b>					
Trail Class	TC4	TC4			
Surface Type	Gravel	Gravel			
Surface Firmness	Firm	Firm			
Width (inches)	84	80			
Average Grade (%)	4.4	4.4			
Average X-slope (%)	4.8	4.8			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$58800	\$5400			
FCI	0	0			
Condition	Excellent	Excellent			

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$300	\$140500	0.002	Excellent



TRAIL CONDITION



Trail Name: Wetland WayTrail

Refuge Name: Fergus Falls WMD

Trail Number: T401

Region: 3

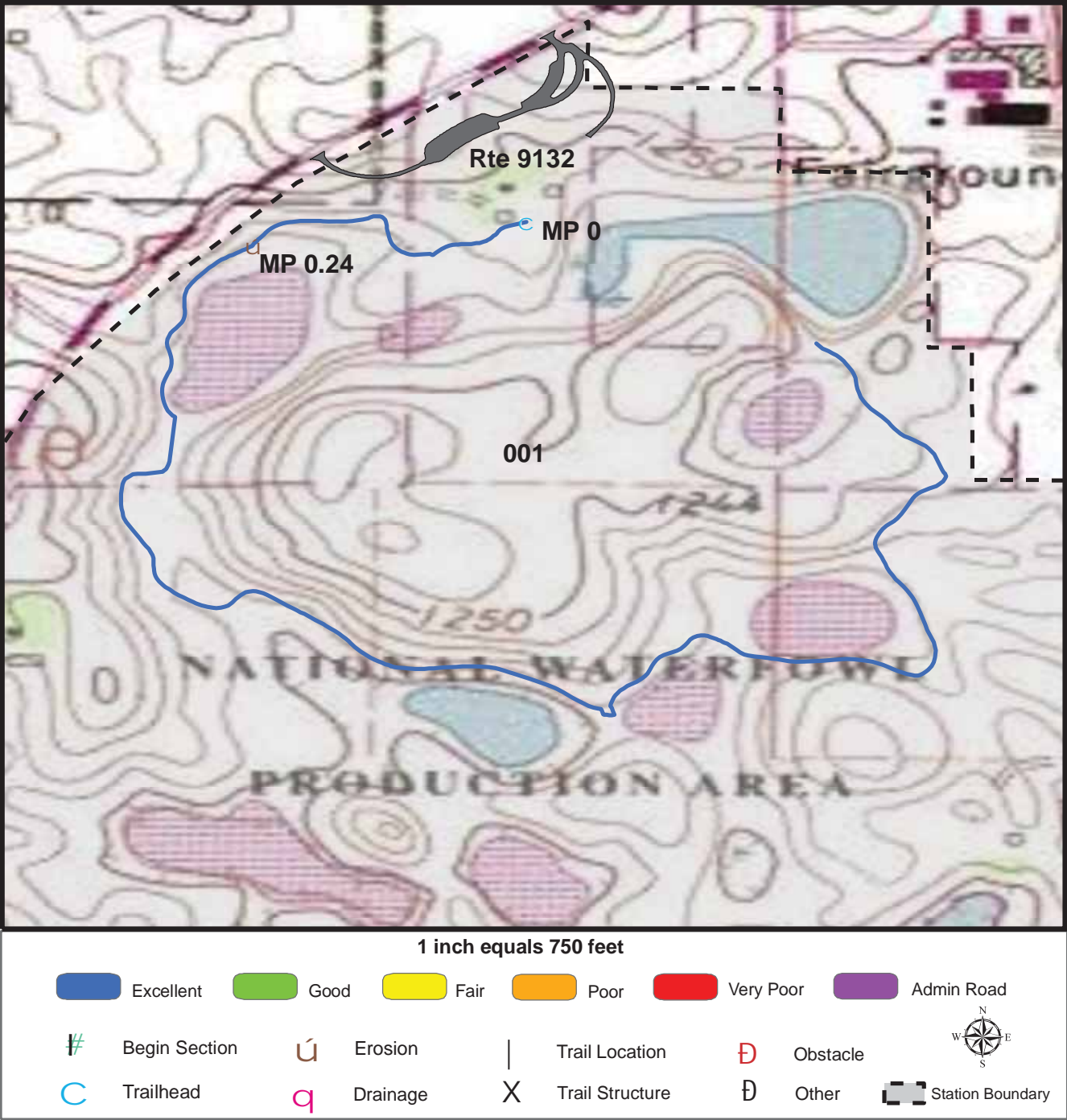
TOTAL LENGTH: 1.54 Miles

Section Number	001				
Section Length (miles)	1.54				
SAMMS Number	10012124				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC4				
Surface Type	Gravel				
Surface Firmness	Firm				
Width (inches)	108				
Average Grade (%)	3.1				
Average X-slope (%)	2.3				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$200				
CRV	\$397300				
FCI	0.001				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$200	\$397300	0.001	Excellent

TRAIL DEFICIENCY



Trail Name: Wetland WayTrail

Refuge Name: Fergus Falls WMD

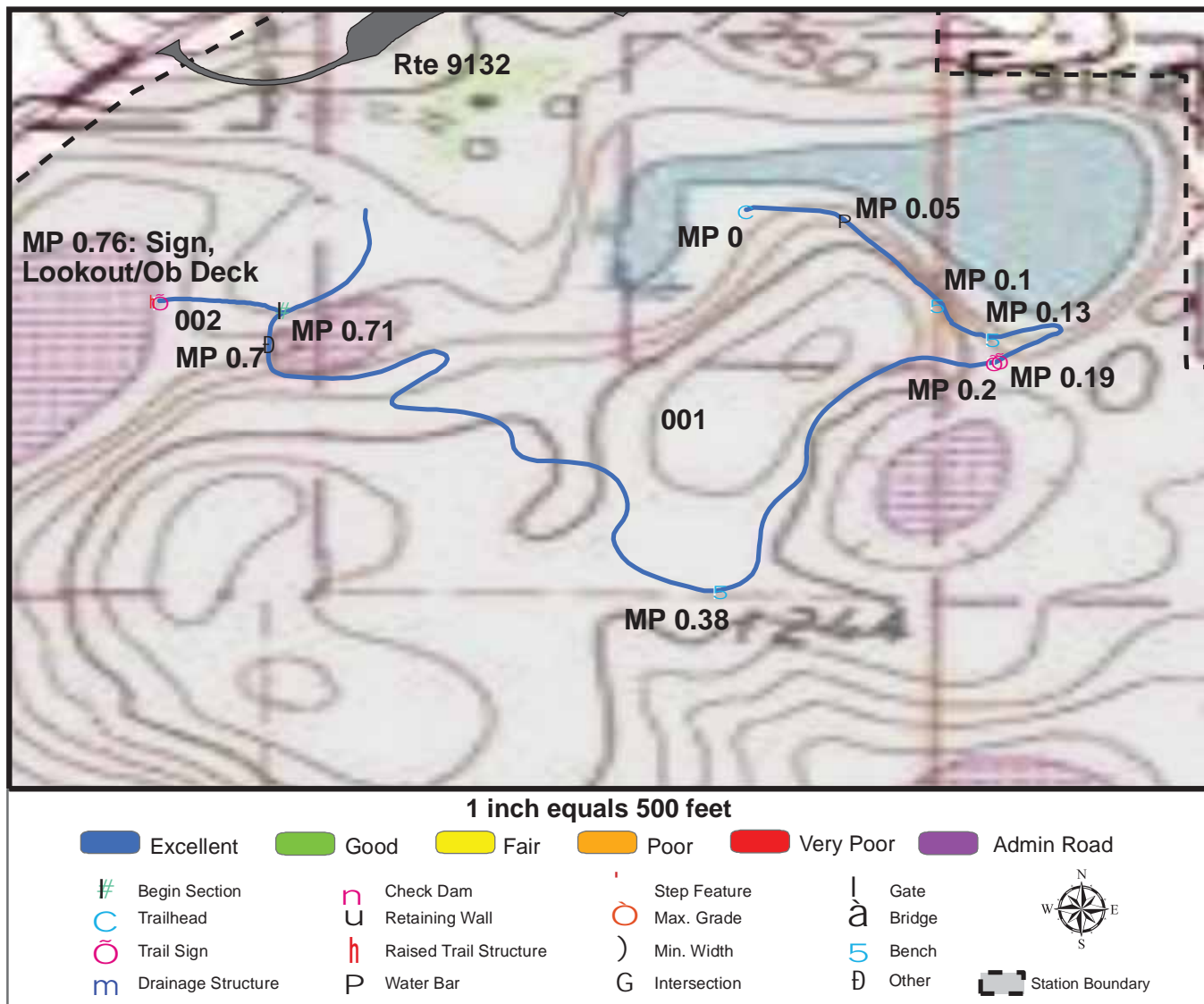
Trail Number: T401

Region: 3

TOTAL LENGTH: 1.54 Miles

Mile Post	0.24			
Section Number	001			
Photo Number	1180			
Deficiency	Erosion			
Action	Build/Add			
Item	Water Bar:Wood -each			
Quantity	1			
Deferred Maintenance	\$200			

# TRAIL CONDITION



**Trail Name:** Tatanka Trail

**Refuge Name:** Fergus Falls WMD

**Trail Number:** T402

**Region:** 3

**TOTAL LENGTH:** 0.83 Miles

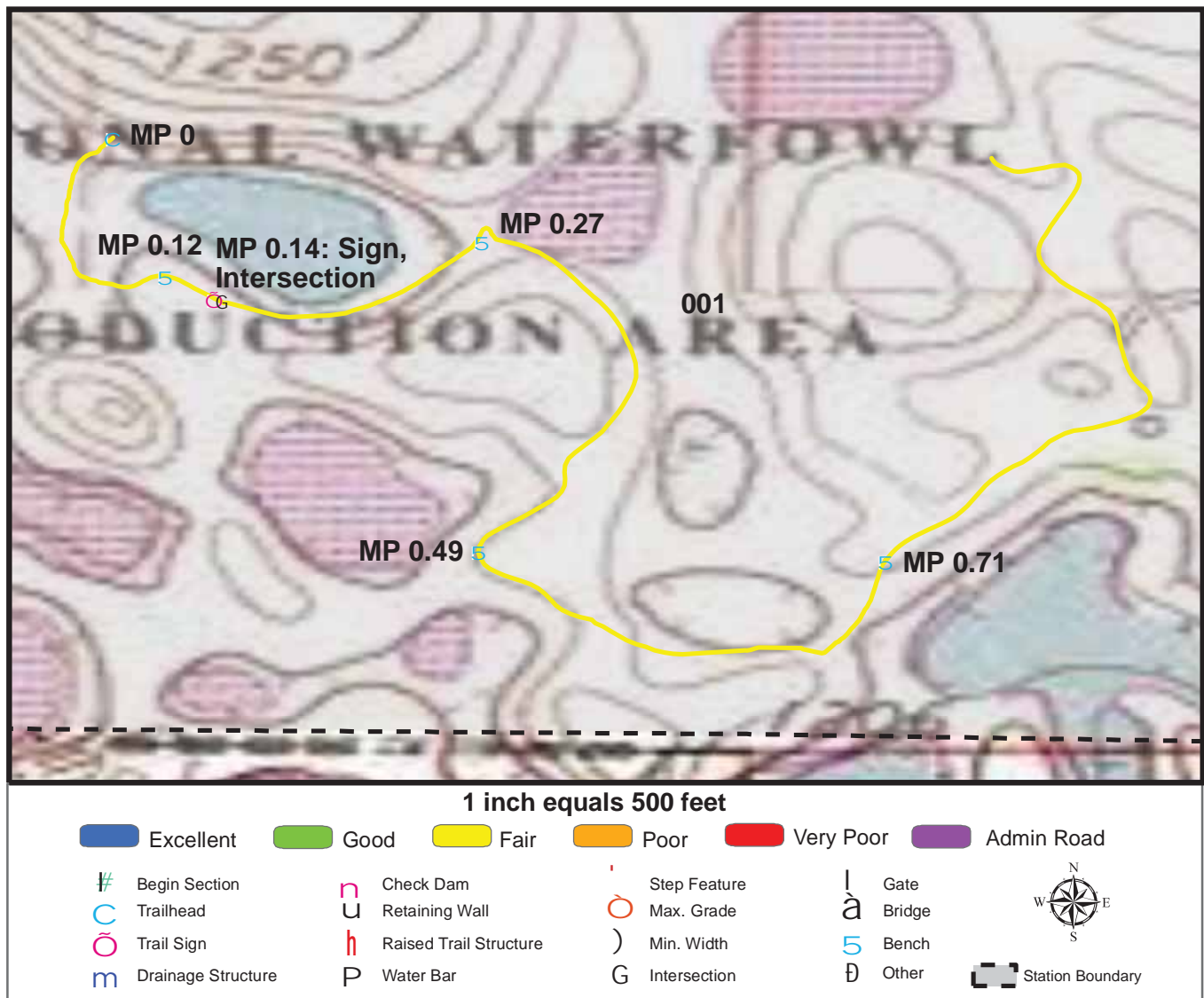
Section Number	001	002			
Section Length (miles)	0.78	0.05			
SAMMS Number	10012124	10012124			
Rating Date	7/14/2006	7/14/2006			
<b>Trail Section Information</b>					
Trail Class	TC4	TC3			
Surface Type	Gravel	Mowed			
Surface Firmness	Firm	Firm			
Width (inches)	84	108			
Average Grade (%)	4.1	4.1			
Average X-slope (%)	1.8	1.8			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$156500	\$2900			
FCI	0	0			
Condition	Excellent	Excellent			

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$159400	0	Excellent



TRAIL CONDITION



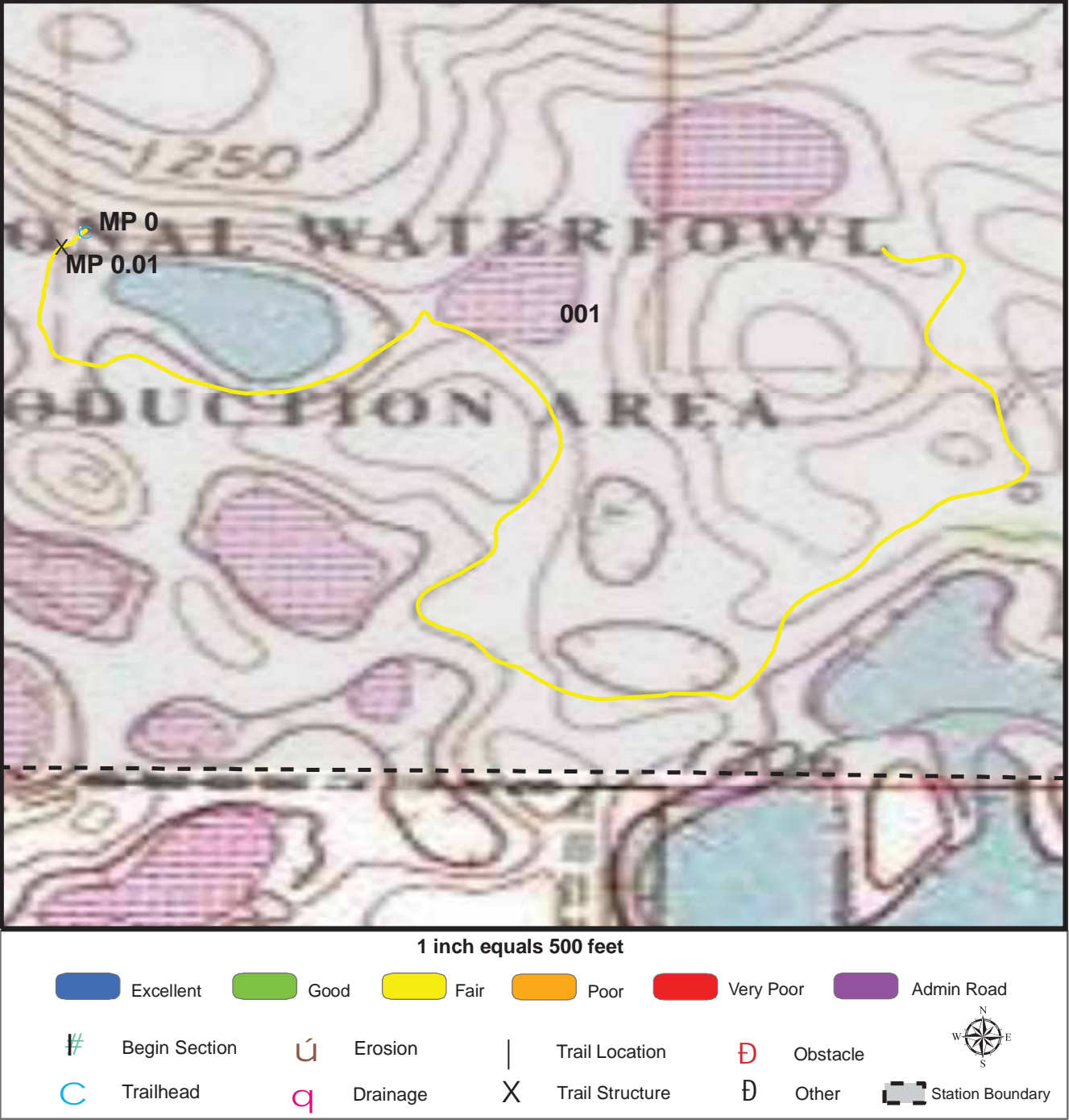
**Trail Name:** Tintah Trail      **Refuge Name:** Fergus Falls WMD  
**Trail Number:** T403      **Region:** 3      **TOTAL LENGTH:** 1.03 Miles

Section Number	001				
Section Length (miles)	1.03				
SAMMS Number	10012124				
Rating Date	7/14/2006				
<b>Trail Section Information</b>					
Trail Class	TC4				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	84				
Average Grade (%)	3.9				
Average X-slope (%)	2.4				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$16600				
CRV	\$189200				
FCI	0.088				
Condition	Poor				

**Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
\$16600	\$189200	0.088	Fair

TRAIL DEFICIENCY



Trail Name: Tintah Trail

Refuge Name: Fergus Falls WMD

Trail Number: T403

Region: 3

TOTAL LENGTH: 1.03 Miles

Mile Post	0.01			
Section Number	001			
Photo Number	1189			
Deficiency	Trail Structure			
Action	Build/Add			
Item	Boardwalk -If			
Quantity	408			
Deferred Maintenance	\$16600			



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1193 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1161 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1165 - MP 0.04 - Erosion Deficiency

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1162 - MP 0.04 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1166 - MP 0.07 - Begin Section 004

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1169 - MP 0.11 - Begin Section 005



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1170 - MP 0.13 - Begin Section 006

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1163 - MP 0.14 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1164 - MP 0.15 - Sign

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1173 - MP 0.39 - Begin Section 007

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1174 - MP 0.39 - Sign

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1172 - MP 0.42 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1175 - MP 0.42 - Sign

TRAIL NUMBER: **T401**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1176 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1179 - MP 0.08 - Sign (Grouped feature)

TRAIL NUMBER: **T401**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1180 - MP 0.24 - Erosion Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1183 - MP 0.0 - Trailhead

TRAIL NUMBER: **T402**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1182 - MP 0.19 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1184 - MP 0.2 - Sign (Grouped features)

TRAIL NUMBER: **T402**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1185 - MP 0.71 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1187 - MP 0.76 - Sign

TRAIL NUMBER: **T403**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1188 - MP 0.0 - Trailhead

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T403**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1189 - MP 0.01 - Trail Structure Deficiency

TRAIL NUMBER: **T403**

STATION: Fergus Falls WMD

DATE: 7/14/2006



Photo # 1192 - MP 0.14 - Sign (Grouped feature)



# **The Trail Inventory of Hamden Slough National Wildlife Refuge Audubon, Minnesota**



Prepared By:  
**Federal Highway Administration**  
**Central Federal Lands Highway Division**  
**July, 2006**





# Hamden Slough 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%		0%		0%	0.00
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt		0%		0%		0%		0%		0%		0%	0.00
Concrete	0.23	100%		0%		0%		0%		0%		0%	0.23
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
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.23	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.23

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

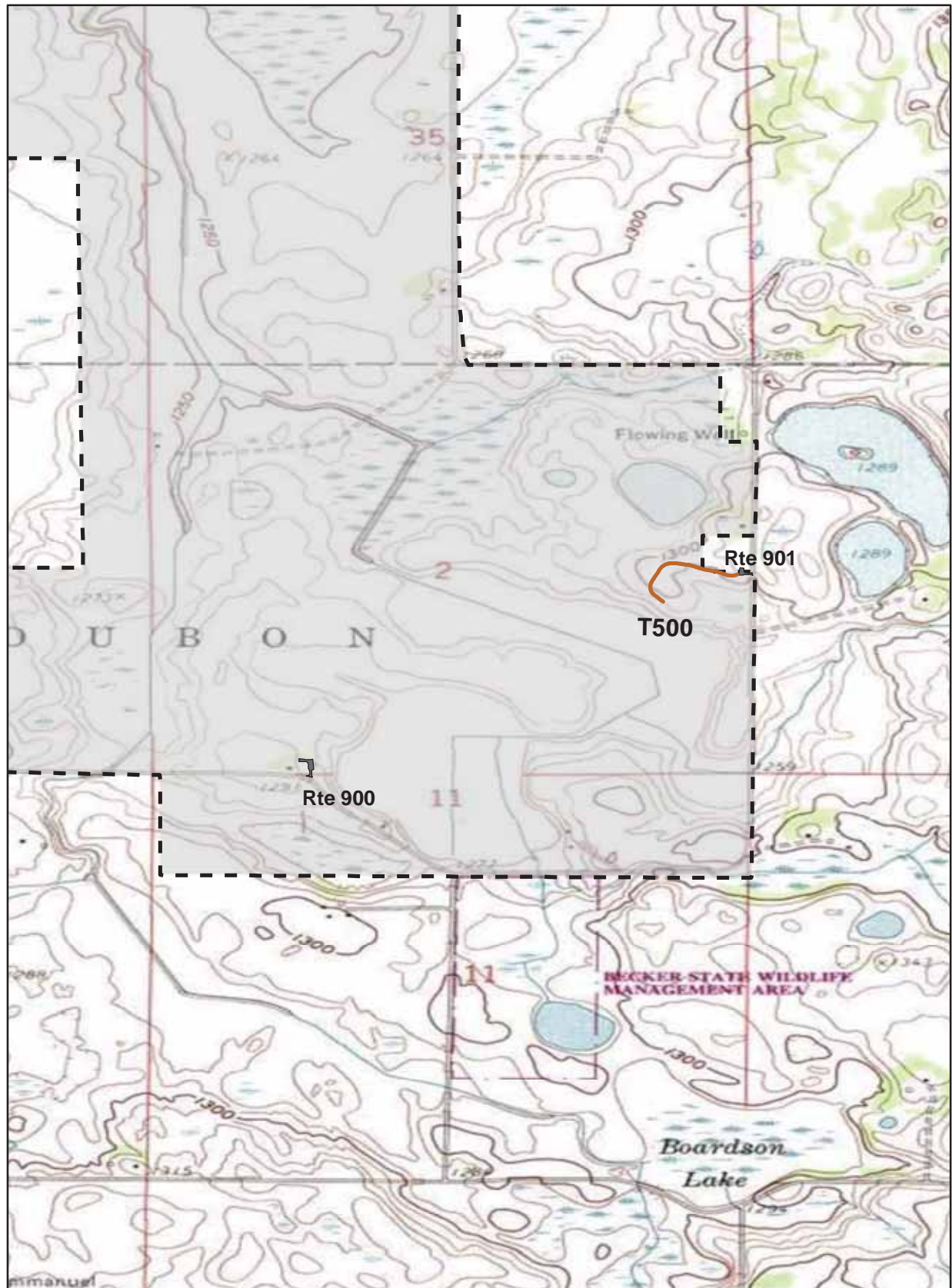
Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2		0%		0%		0%		0%		0%		0%	0.00
TC3		0%		0%		0%		0%		0%		0%	0.00
TC4		0%		0%		0%		0%		0%		0%	0.00
TC5	0.23	100%		0%		0%		0%		0%		0%	0.23
Totals	0.23	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.23

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

## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T500	Sign	1	No	0.01	1103
T500	Bench	1	No	0.01	N/A
T500	Bench	1	No	0.13	N/A
T500	Bench	1	No	0.17	N/A
T500	Lookout/Ob Deck	1	No	0.23	N/A
<div> <div>sf-square feet</div> <div>lf-linear feet</div> <div>cf-cubic feet</div> </div>					

# HAMDEN SLOUGH NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

@ HQ/VC

0 0.5 1 Miles



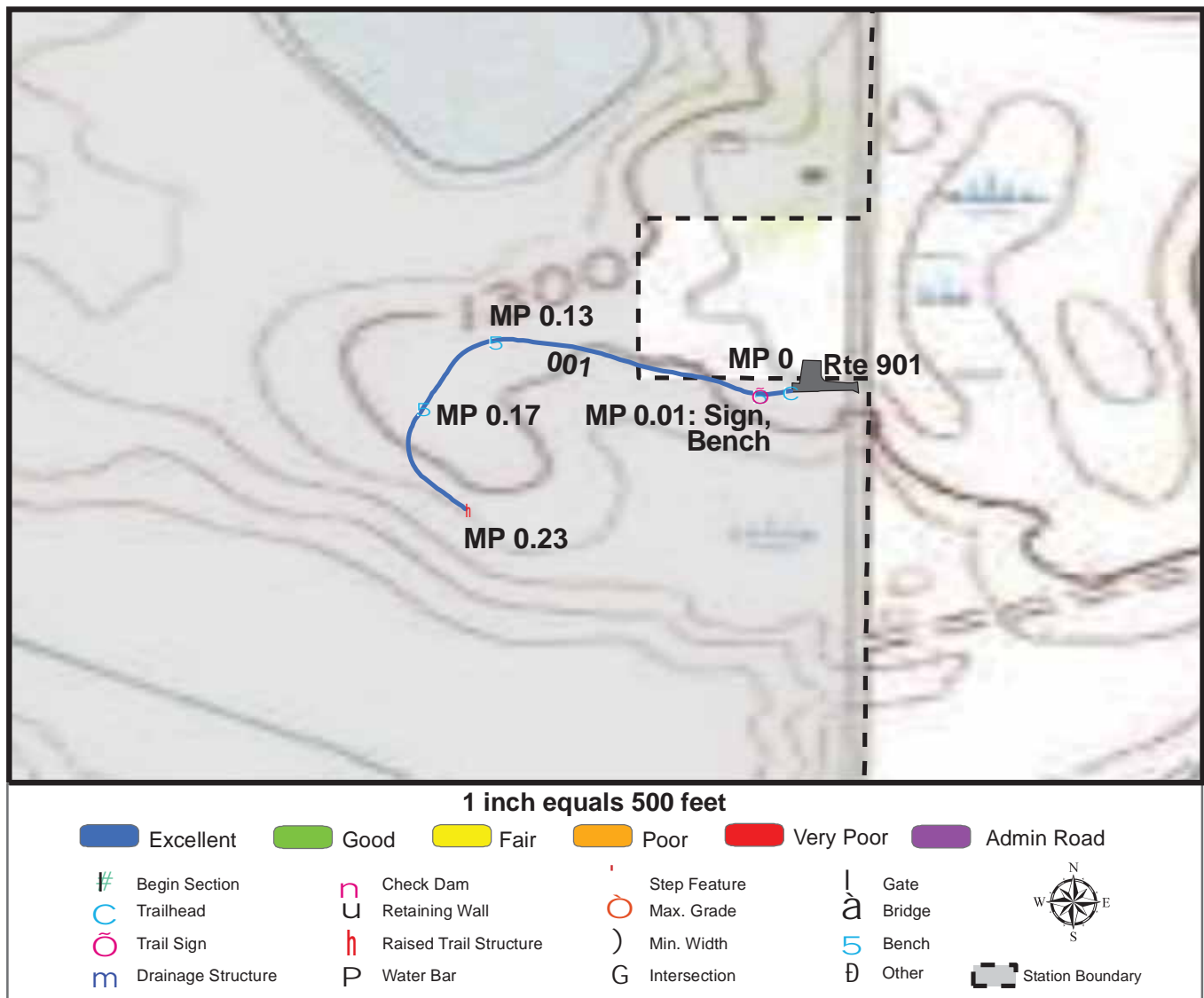
## TRAILS ID

**Station Name: Hamden Slough NWR**

**Org. Code: 32600**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T500	Hesby Memorial Trail	Concrete	10012604	0.23	From Hesby Memorial Parking (Rte 901) to end

TRAIL CONDITION



Trail Name: Hesby Memorial Trail

Refuge Name: Hamden Slough NWR

Trail Number: T500

Region: 3

TOTAL LENGTH: 0.23 Miles

Section Number	001				
Section Length (miles)	0.23				
SAMMS Number	10012604				
Rating Date	7/12/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Concrete				
Surface Firmness	Paved				
Width (inches)	48				
Average Grade (%)	2.7				
Average X-slope (%)	2				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$38300				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$38300	0	Excellent

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Hamden Slough NWR

DATE: 7/12/06



Photo #1101 - MP 0 – Trailhead

TRAIL NUMBER: **T500**

STATION: Hamden Slough NWR

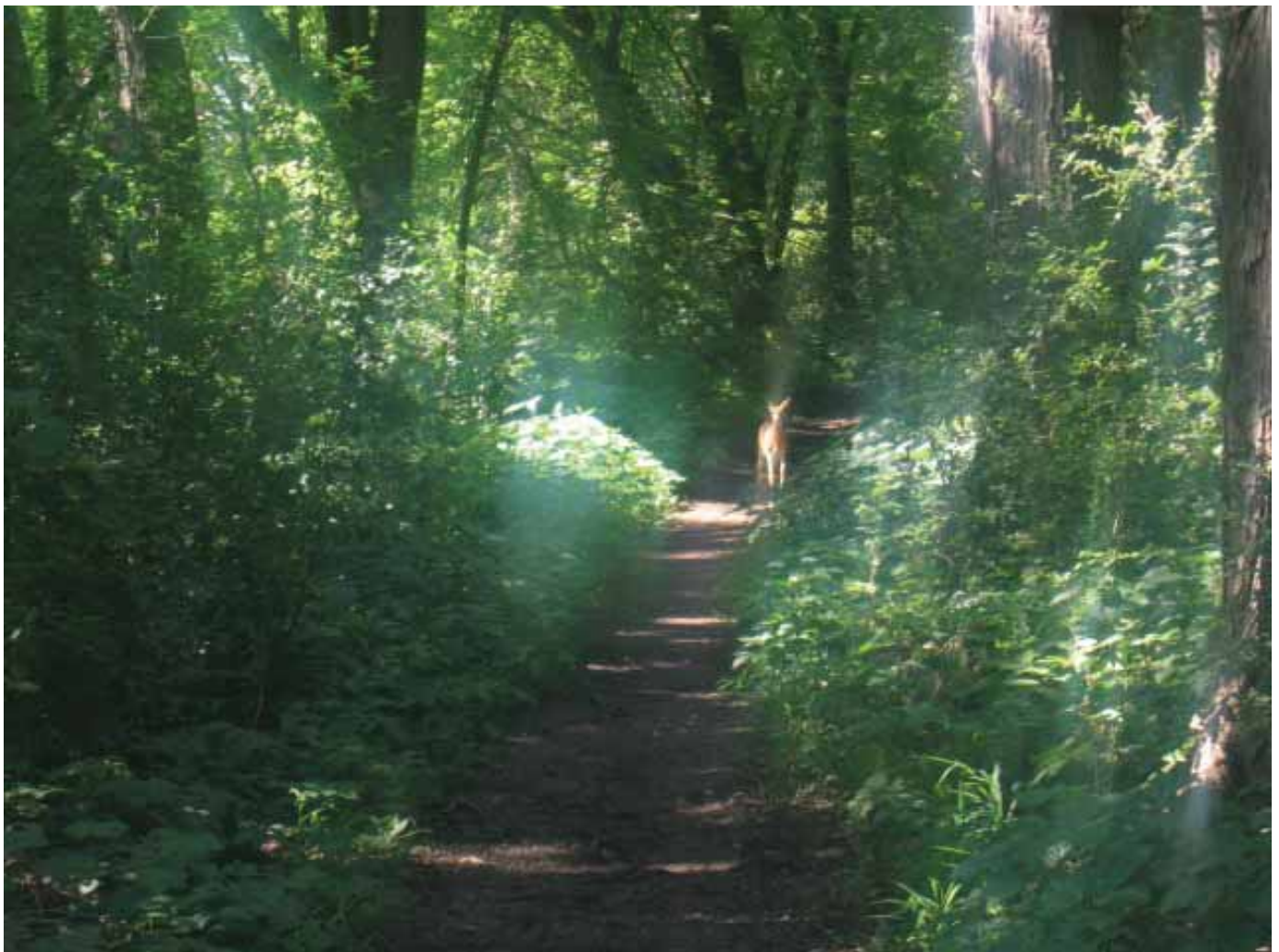
DATE: 7/12/06



Photo #1103 - MP 0.01 - Sign



# **The Trail Inventory of Minnesota Valley National Wildlife Refuge Bloomington, Minnesota**



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



# Minnesota Valley 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	1.52	6%	0.45	2%		0%	2.43	9%	0.55	2%		0%	4.95
Gravel	3.28	12%		0%		0%		0%		0%		0%	3.28
Asphalt	0.04	0%	0.07	0%	0.07	0%		0%		0%		0%	0.18
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.21	1%		0%		0%		0%		0%		0%	0.21
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	4.86	18%	0.67	2%		0%		0%		0%		0%	5.53
Admin Road		0%		0%		0%		0%		0%	13.35	49%	13.35
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	9.91	36%	1.19	4%	0.07	0%	2.43	9%	0.55	2%	13.35	49%	27.50

### 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	0.96	3%		0%		0%		0%		0%		0%	0.96
TC3	7.69	28%	1.12	4%		0%	2.43	9%	0.55	2%	8.39	31%	20.18
TC4	0.82	3%		0%		0%		0%		0%	4.96	18%	5.78
TC5	0.44	2%	0.07	0%	0.07	0%		0%		0%		0%	0.58
Totals	9.91	36%	1.19	4%	0.07	0%	2.43	9%	0.55	2%	13.35	49%	27.50

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

## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Sign	1	No	0.00	0623
T200	Sign	2	No	0.02	0624
T200	Culvert -lf	30	No	0.03	N/A
T200	Boardwalk -lf	55	No	0.15	0630
T200	Boardwalk -lf	30	No	0.57	0647
T200	Boardwalk -lf	50	No	0.62	0648
T200	Crib: Log -cf	20	No	0.85	N/A
T200	Bench	4	No	0.93	N/A
T200	Bridge -sf	100	No	1.05	0654
T200	Crib: Log -cf	75	No	1.08	0655
T200	Crib: Log -cf	120	No	1.08	N/A
T200	Crib: Log -cf	40	No	1.14	N/A
T200	Puncheon -lf	10	No	1.26	0656
T200	Bench	1	No	1.39	0656
T200	Drainage Dips -each	2	No	1.41	N/A
T200	Check Dam:Log -each	3	No	1.48	0657
T200	Check Dam:Log -each	1	No	1.64	0658
T200	Culvert -lf	20	No	1.77	N/A
T200	Boardwalk -lf	15	No	1.96	0661
T200	Culvert -lf	10	No	2.51	N/A
T200	Culvert -lf	10	No	2.60	0662
T200	Bridge -sf	70	No	2.88	0665
T200	Culvert -lf	40	No	2.97	0665
T300	Sign	3	No	0.01	0527
T300	Bench	1	No	0.12	N/A
T300	Lookout/Ob Deck	1	No	0.27	N/A
T300	Crib: Log -cf	900	No	0.43	N/A
T300	Step: Log -each	8	No	0.45	N/A
T300	Culvert -lf	20	No	0.45	N/A
T300	Sign	1	No	0.93	0532
T300	Water Control Struc	1	No	0.99	N/A
T300	Sign	1	No	1.25	0533
T300	Lookout/Ob Deck	1	No	1.25	N/A
T300	Water Control Struc	1	No	1.56	N/A
T300	Sign	1	No	1.58	0536
T300	Water Control Struc	1	No	1.62	N/A
T300	Lookout/Ob Deck	1	No	1.62	N/A
T301	Gate	1	No	0.00	N/A
T301	Sign	3	No	0.00	0589
T301	Bridge -sf	48	No	0.14	0590
T301	Sign	2	No	0.35	0591
T301	Culvert -lf	30	No	0.36	N/A
T301	Sign	3	No	0.41	0592
T301	Sign	1	No	0.94	0593
T301	Sign	1	No	0.96	0594
T301	Sign	1	No	1.46	0595
T302	Gate	1	No	0.00	N/A
T302	Sign	1	No	0.00	1326
T302	Lookout/Ob Deck	1	No	0.09	N/A
T303	Sign	11	No	0.00	1353-1355
T303	Sign	3	No	0.01	1357
T303	Sign	2	No	0.02	1358



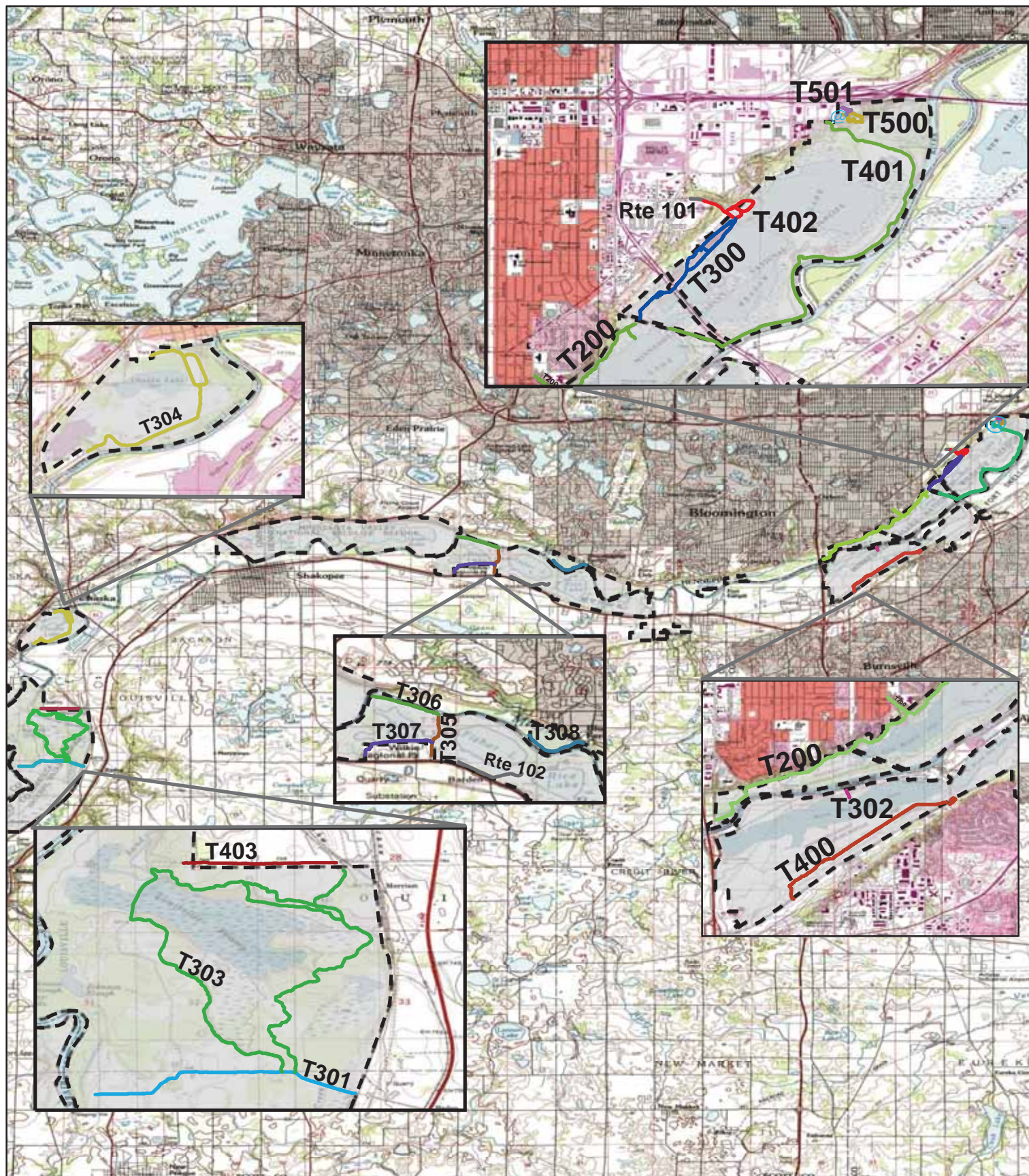
T303	Gate	1	No	0.03	N/A
T303	Sign	2	No	0.03	1361, 1362
T303	Sign	4	No	0.06	1364, 1365
T303	Sign	6	No	0.53	1366-1368
T303	Sign	1	Yes	0.73	N/A
T303	Bridge -sf	600	No	1.19	1376
T303	Bridge -sf	750	No	1.61	1378
T303	Sign	3	No	2.23	1379-1380
T303	Sign	2	No	2.25	0597
T303	Sign	2	No	3.81	0600
T303	Sign	1	No	3.82	0601
T303	Sign	3	No	3.90	0602
T303	Sign	3	No	3.90	0603
T303	Sign	2	No	3.91	0605
T303	Water Control Struc	1	No	4.00	N/A
T303	Culvert -lf	150	No	4.02	N/A
T303	Sign	1	No	4.29	0613
T303	Sign	3	No	4.29	0614
T303	Sign	1	No	4.48	0616
T303	Bench	1	No	5.33	N/A
T304	Sign	5	No	0.00	0619
T304	Gate	1	No	0.01	0619
T304	Water Control Struc	1	No	0.22	N/A
T304	Culvert -lf	30	No	1.71	N/A
T304	Sign	1	No	1.76	0621
T304	Gate	1	No	1.79	N/A
T304	Sign	1	No	1.79	0620
T305	Sign	2	No	0.00	0667
T305	Sign	2	No	0.24	0668
T305	Sign	1	No	0.67	0669
T306	Sign	2	No	0.01	0671
T307	Sign	8	Yes	0.16	N/A
T307	Sign	2	No	0.90	0674
T308	Sign	3	No	0.00	0677
T308	Gate	1	No	0.00	N/A
T400	Sign	7	No	0.00	1348-49
T400	Sign	3	No	0.00	1350
T400	Sign	1	No	0.01	1347
T400	Sign	1	No	0.06	1346
T400	Culvert -lf	13	No	0.06	N/A
T400	Step: Log -each	52	No	0.07	N/A
T400	Bridge -sf	354	No	0.08	1345
T400	Sign	1	No	0.10	1344
T400	Step: Log -each	52	No	0.10	N/A
T400	Sign	2	No	0.15	1341-42
T400	Sign	3	No	0.16	1328
T400	Sign	3	No	0.16	1328
T400	Water Control Struc	1	No	0.39	1330
T400	Water Control Struc	1	No	0.39	1330
T400	Culvert -lf	20	No	0.47	N/A
T400	Culvert -lf	20	No	0.47	N/A
T400	Water Control Struc	1	No	0.60	N/A
T400	Culvert -lf	20	No	0.77	N/A
T400	Sign	2	No	2.03	1336
T400	Sign	7	No	2.05	1331-32
T400	Sign	2	No	2.05	1333
T400	Gate	1	No	2.05	N/A
T400	Sign	2	No	2.05	1335
T401	Gate	1	No	0.00	N/A
T401	Sign	1	No	0.00	N/A

T401	Sign	5	No	0.03	0542
T401	Culvert -lf	30	No	0.64	N/A
T401	Sign	1	No	2.36	0677
T401	Sign	2	No	3.48	0678
T402	Gate	1	No	0.00	0558
T402	Sign	2	No	0.00	0558
T402	Sign	2	No	0.00	0559
T402	Crib: Rock -cf	100	No	0.14	N/A
T402	Sign	1	No	0.20	0560
T402	Sign	1	Yes	0.23	N/A
T402	Sign	1	No	0.24	0562
T402	Bench	1	No	0.28	0562
T402	Water Control Struc	1	No	0.28	0563
T402	Culvert -lf	20	No	0.30	N/A
T402	Water Control Struc	1	No	0.37	N/A
T402	Bridge -sf	265	No	0.42	0568
T402	Water Control Struc	1	No	0.45	N/A
T403	Gate	1	No	0.00	0588
T403	Sign	1	No	0.00	0574
T403	Sign	1	No	0.00	0573
T403	Sign	1	No	0.01	0572
T403	Sign	3	No	0.72	0579
T403	Gate	1	No	0.73	N/A
T403	Sign	1	No	0.74	0581
T403	Sign	3	No	0.79	0582
T403	Other	1	No	0.79	0583
T500	Sign	1	No	0.00	0544
T500	Sign	1	No	0.04	0545
T500	Drain: Rock -each	1	No	0.04	0550
T500	Sign	1	No	0.08	0551
T500	Other	1	No	0.10	0552
T500	Bench	1	No	0.12	0552
T500	Crib: Rock -cf	140	No	0.14	N/A
T500	Bench	1	No	0.18	N/A
T500	Water Bar:Rock -each	60	Yes	0.21	N/A
T500	Lookout/Ob Deck	1	No	0.25	N/A
T500	Culvert -lf	20	No	0.27	N/A
T500	Crib: Rock -cf	30	No	0.28	N/A
T500	Bench	1	No	0.30	N/A
T500	Sign	2	No	0.35	0555
T500	Step: Log -each	28	No	0.37	N/A
T500	Crib: Rock -cf	225	No	0.38	N/A
T500	Sign	10	Yes	0.41	N/A
T500	Sign	3	No	0.42	0557
T500	Drain: Rock -each	1	No	0.42	N/A
T501	Bench	1	No	0.07	N/A

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



# MINNESOTA VALLEY NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



@ HQ/VC

0 5 10 Miles



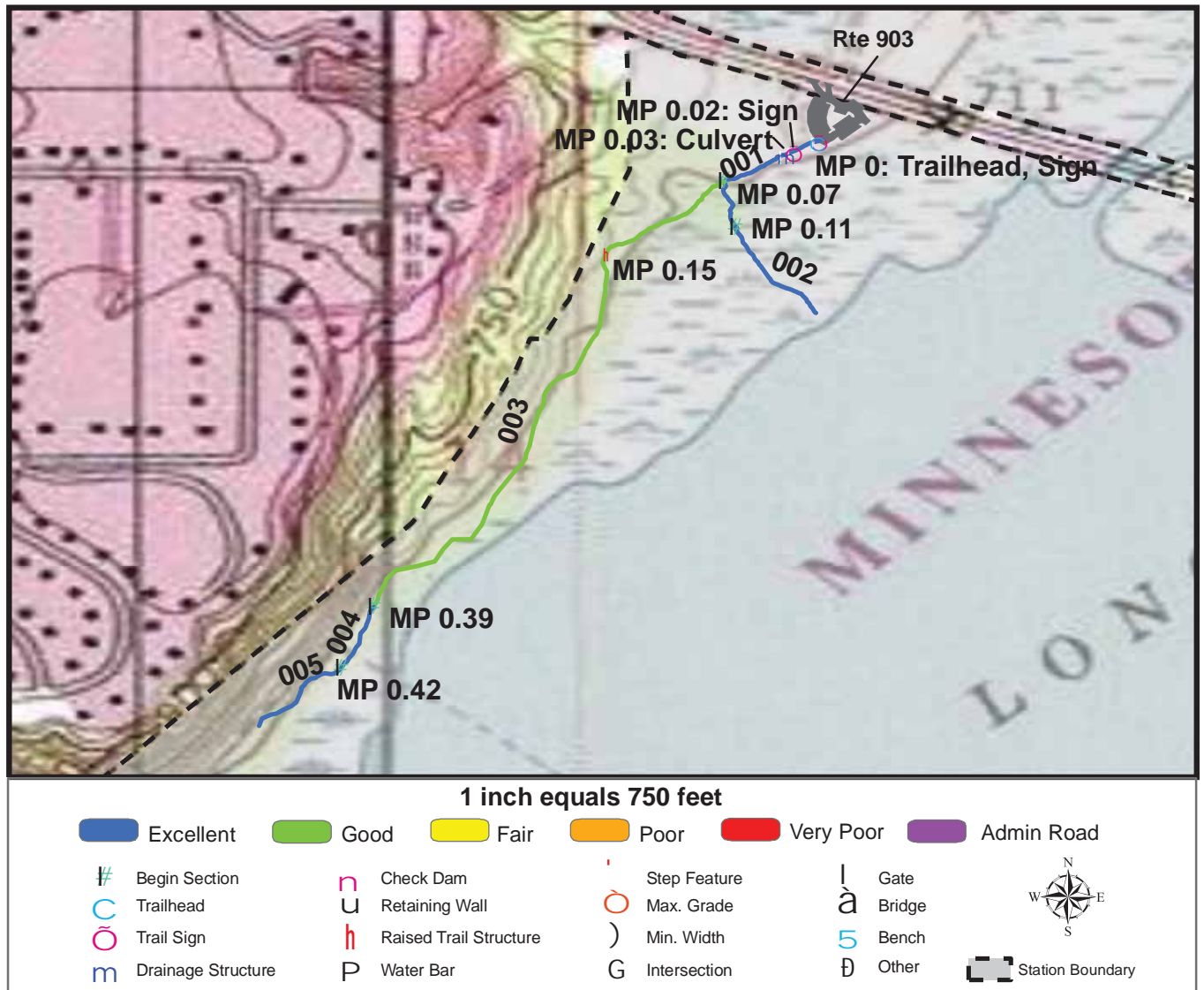
## TRAILS ID

**Station Name: Minnesota Valley NWR**

**Org. Code: 32590**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Bluff Trail	Gravel, Boardwalk, Native	10012355	3.8	From Cedar Ave Parking (Rte 903) to Lyndale Ave Parking (Rte 904)
T300	Hog Back Ridge Trail	Gravel, Native, Boardwalk, Admin Road	10012412	2.1	From Cedar Ave Parking (Rte 903) to end of trail loop at Sec 002
T301	Middle Road Trail	Admin Road	10012517	1.46	From gate at Jordan Road to State Corridor Trail
T302	Observation Deck Trail	Native	N/A	0.09	From North Lot to Observation Deck
T303	Mazomani Trail	Gravel, Mowed, Native	10012391, 10012512	6.04	From Louisville Swamp Parking (Rte 910) to end of trail loop at Sec 006
T304	Chaska Trail	Admin Road	10012482	2.2	From Chaska Baseball field to end of trail
T305	Fisher Lake Trail	Admin Road	10012451	0.75	From Wilkie Parking (Rte 901) to Blue Lake Trail (T306)
T306	Blue Lake Trail	Admin Road	10012448	0.91	From Fisher Lake Trail (T305) to end of trail
T307	Kopp Trail	Admin Road	10012453	1.02	From Fisher Lake Trail (T305) to end of trail
T308	Bloomington Ferry Trail	Admin Road	10049371	0.88	From Bloomington Ferry Parking (Rte 905) to end of trail
T400	Black Dog Trail	Gravel, Mowed	10012428, 10012434	2.05	From Cliff/Fen Park to end of trail
T401	Kelly Trail	Admin Road	10012365	3.97	From American Blvd. to end of trail
T402	Bass Ponds Trail	Admin Road, Gravel	10012356	0.87	From Bass Ponds Parking (Rte 902) to end of trail loop at Sec 001
T403	Little Prairie Loop Trail	Admin Road	10012519	0.79	From Louisville Swamp Parking (Rte 910) to end of trail
T500	Hillside Trail	Asphalt, Gravel	10012347	0.44	From Visitor Center Parking (Rte 900) to end of trail loop at Sec 001
T501	Bluff Prairie Path	Asphalt	10012355	0.14	From Hillside Trail (T500) to Visitor Center Parking (Rte 900)

# TRAIL CONDITION



**Trail Name:** Bluff Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T200

**Region:** 3

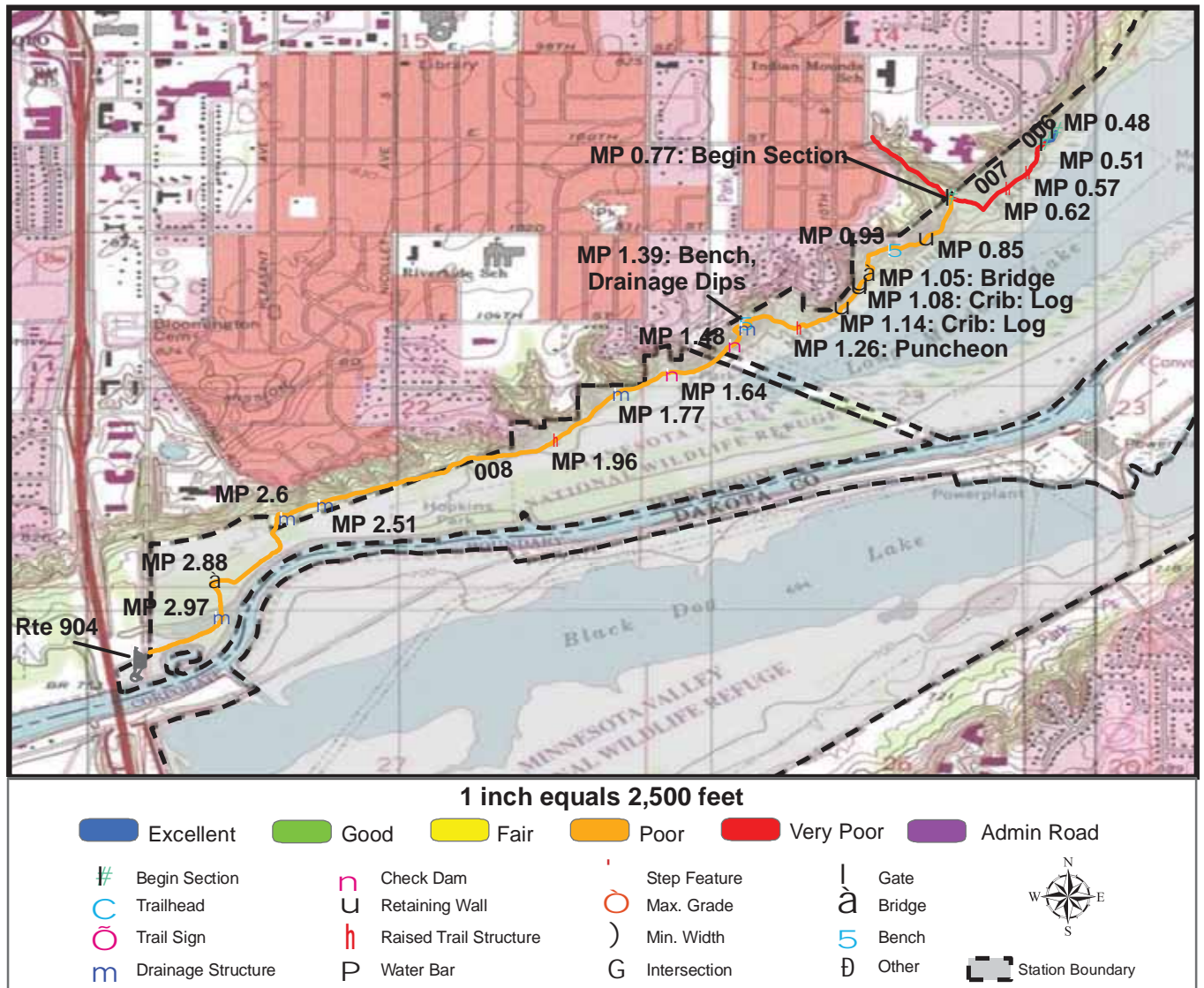
**TOTAL LENGTH:** 3.8 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.11	0.09	0.45	0.06	0.07
SAMMS Number	10012355	10012355	10012355	10012355	10012355
Rating Date	7/20/2006	7/20/2006	7/20/2006	7/20/2006	7/20/2006
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3	TC3	TC3
Surface Type	Gravel	Boardwalk	Native	Boardwalk	Native
Surface Firmness	Hard	Hard	Firm	Paved	Firm
Width (inches)	24	60	24	45	24
Average Grade (%)	4.3	4.3	4.3	4.3	4.3
Average X-slope (%)	1.6	1.6	1.6	1.6	1.6
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$455	\$151	\$0
CRV	\$9747	\$63240	\$25703	\$29787	\$3896
FCI	0	0	0.018	0.005	0
Condition	Excellent	Excellent	Good	Excellent	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$69711	\$494902	0.141	Poor

# TRAIL CONDITION



**Trail Name:** Bluff Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T200

**Region:** 3

**TOTAL LENGTH:** 3.8 Miles

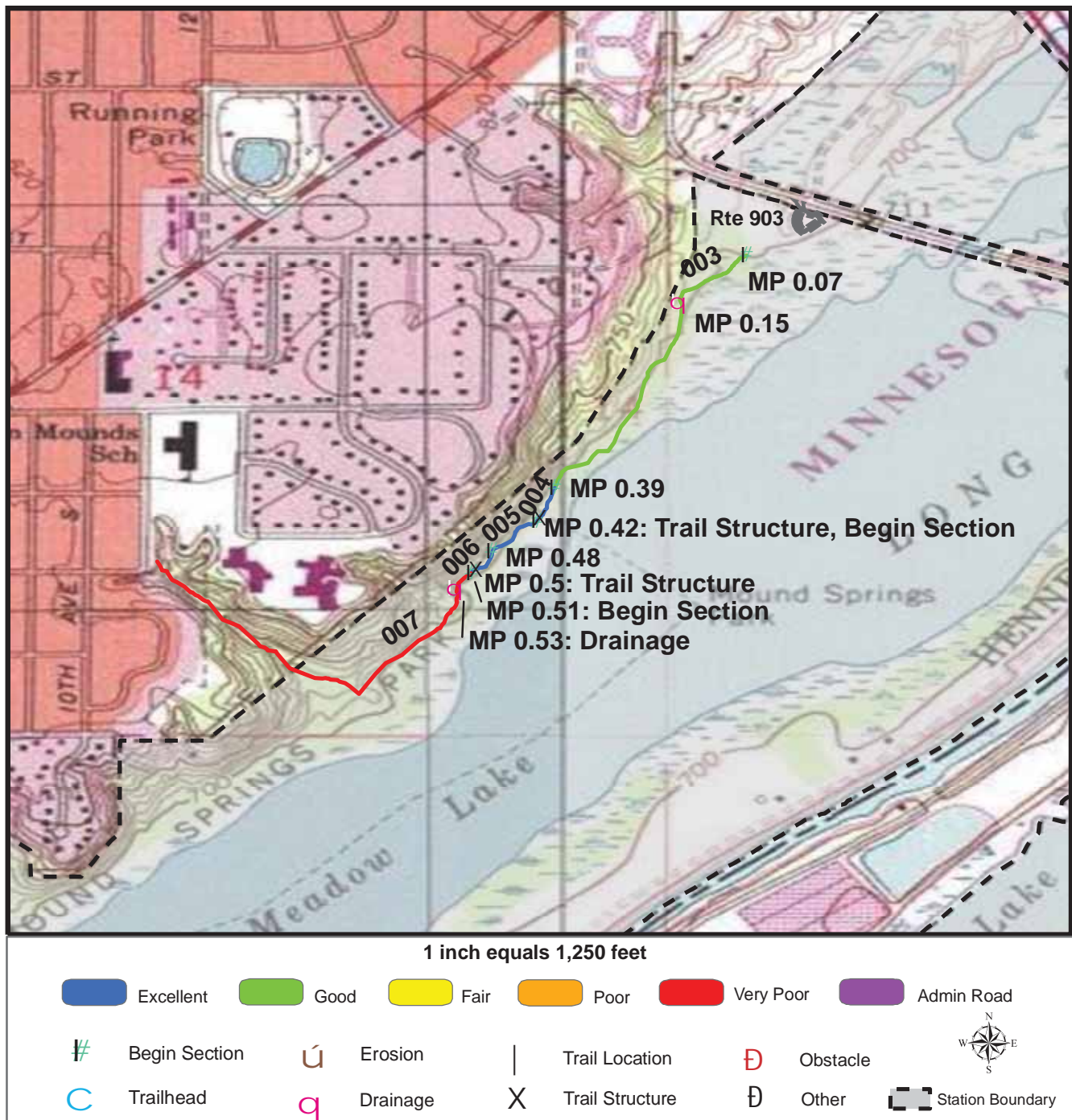
Section Number	006	007	008		
Section Length (miles)	0.04	0.55	2.43		
SAMMS Number	10012355	10012355	10012355		
Rating Date	7/20/2006	7/20/2006	7/20/2006		
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3		
Surface Type	Boardwalk	Native	Native		
Surface Firmness	Hard	Firm	Firm		
Width (inches)	45	24	24		
Average Grade (%)	4.3	4.3	4.3		
Average X-slope (%)	1.6	1.6	1.6		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$151	\$9317	\$59637		
CRV	\$22775	\$31813	\$307941		
FCI	0.007	0.293	0.194		
Condition	Excellent	Very Poor	Poor		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$69711	\$494902	0.141	Poor



# TRAIL DEFICIENCY



**Trail Name:** Bluff Trail

**Refuge Name:** Minnesota Valley NWR

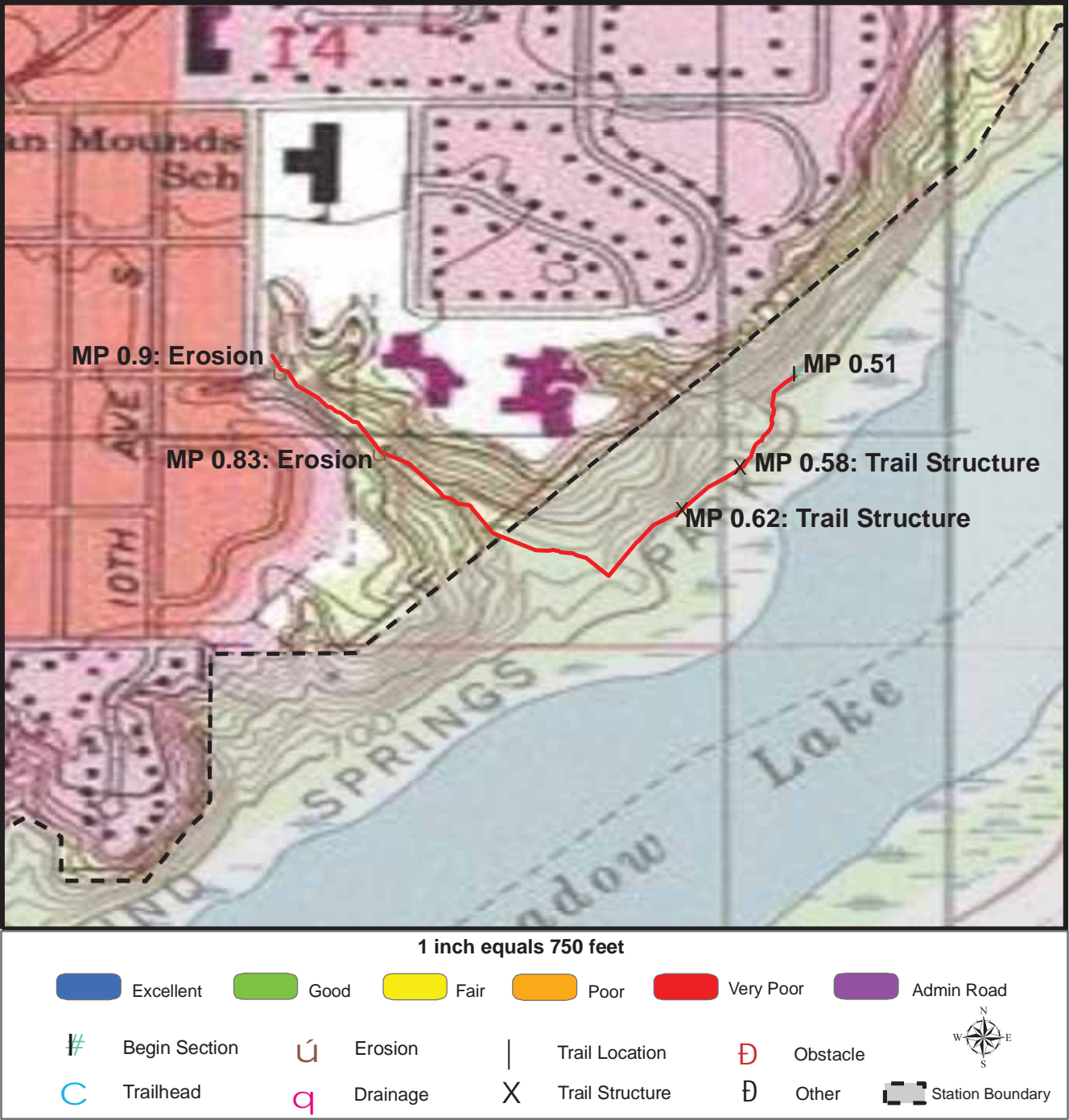
**Trail Number:** T200

**Region:** 3

**TOTAL LENGTH:** 3.8 Miles

Mile Post	0.15	0.42	0.5	0.53
Section Number	003	004	006	007
Photo Number	0631	0640	0643	0646
Deficiency	Drainage	Trail Structure	Trail Structure	Drainage
Action	Build/Add	Repair	Repair	Build/Add
Item	Boardwalk -lf	Boardwalk -lf	Boardwalk -lf	Boardwalk -lf
Quantity	10	5	5	30
Deferred Maintenance	\$455	\$151	\$151	\$1264

# TRAIL DEFICIENCY



**Trail Name:** Bluff Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T200

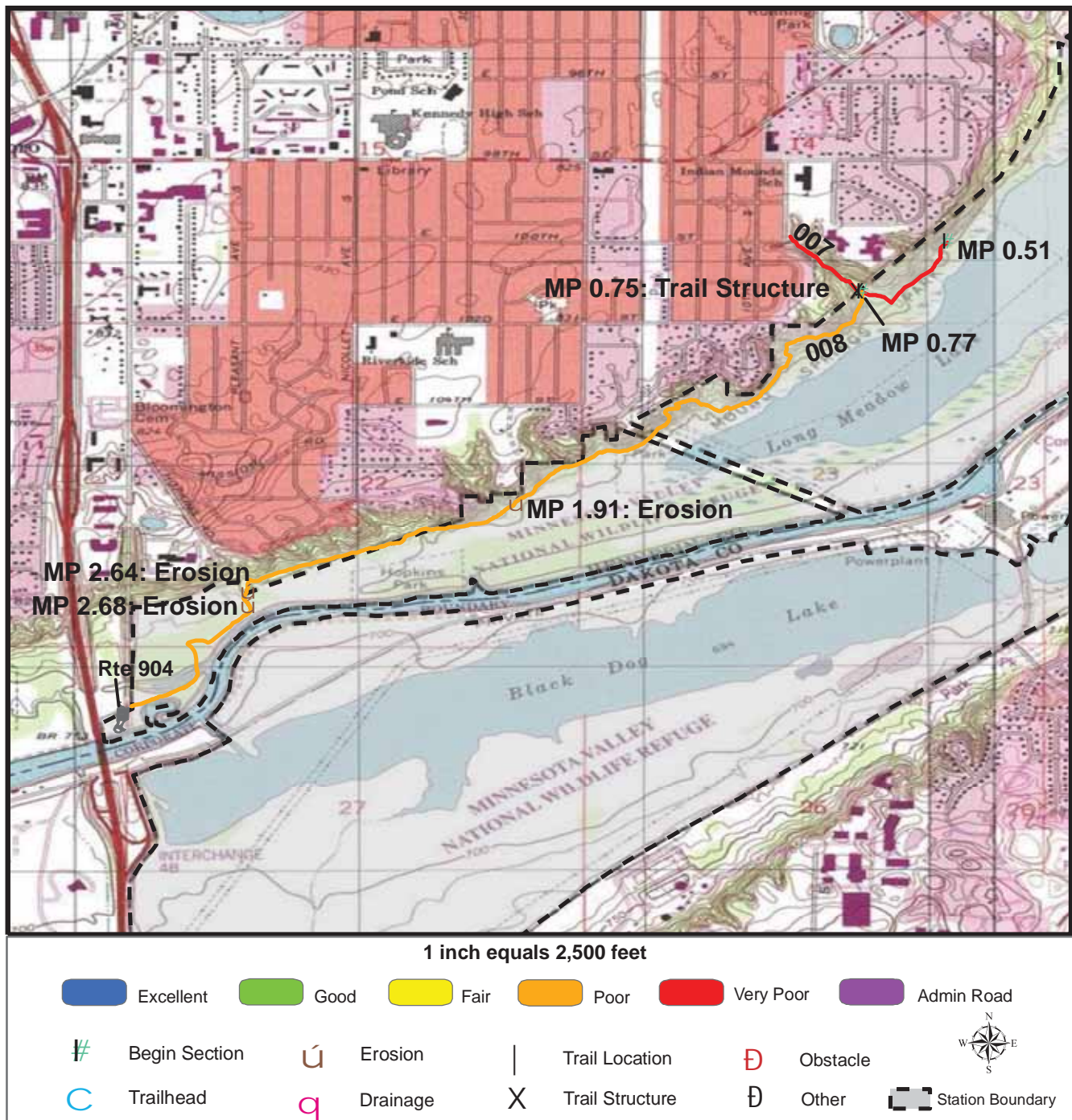
**Region:** 3

**TOTAL LENGTH:** 3.8 Miles

Mile Post	0.83	0.9	0.58	0.62
Section Number	007	007	007	007
Photo Number	0651	0653	0647	0649
Deficiency	Erosion	Erosion	Trail Structure	Trail Structure
Action	Build/Add	Build/Add	Build/Add	Repair
Item	Water Bar:Wood -each	Water Bar:Wood -each	Boardwalk -lf	Boardwalk -lf
Quantity	2	10	40	5
Deferred Maintenance	\$255	\$1073	\$1668	\$151



# TRAIL DEFICIENCY



Trail Name: Bluff Trail

Refuge Name: Minnesota Valley NWR

Trail Number: T200

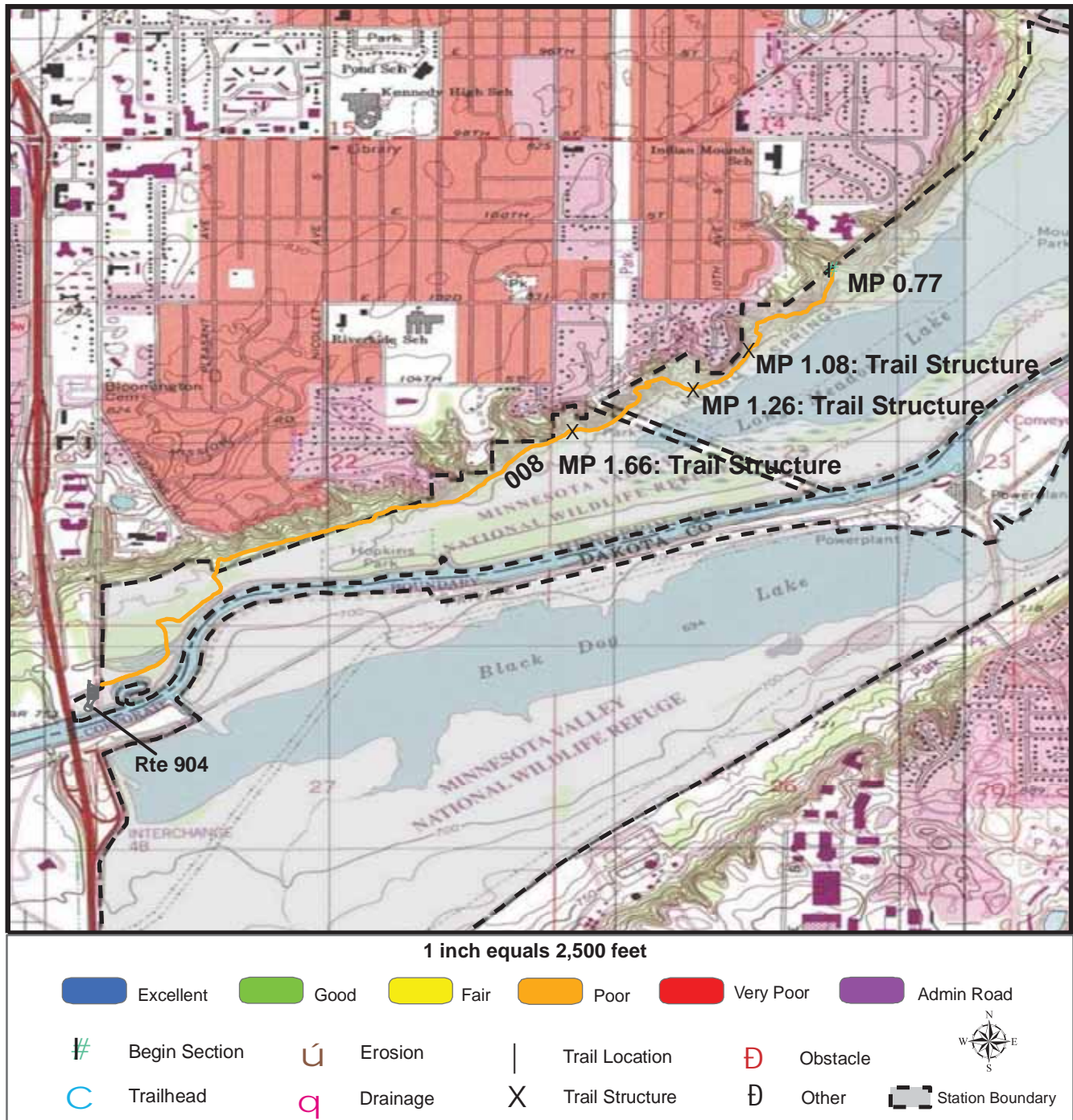
Region: 3

TOTAL LENGTH: 3.8 Miles

Mile Post	0.75	1.91	2.64	2.68
Section Number	007	008	008	008
Photo Number	0650	0660	0663	0664
Deficiency	Trail Structure	Erosion	Erosion	Erosion
Action	Build/Add	Build/Add	Build/Add	Repair
Item	Boardwalk -lf	Water Bar:Wood -each	Water Bar:Wood -each	Tread -sf
Quantity	120	2	2	30
Deferred Maintenance	\$4906	\$255	\$255	\$124



# TRAIL DEFICIENCY



Trail Name: Bluff Trail

Refuge Name: Minnesota Valley NWR

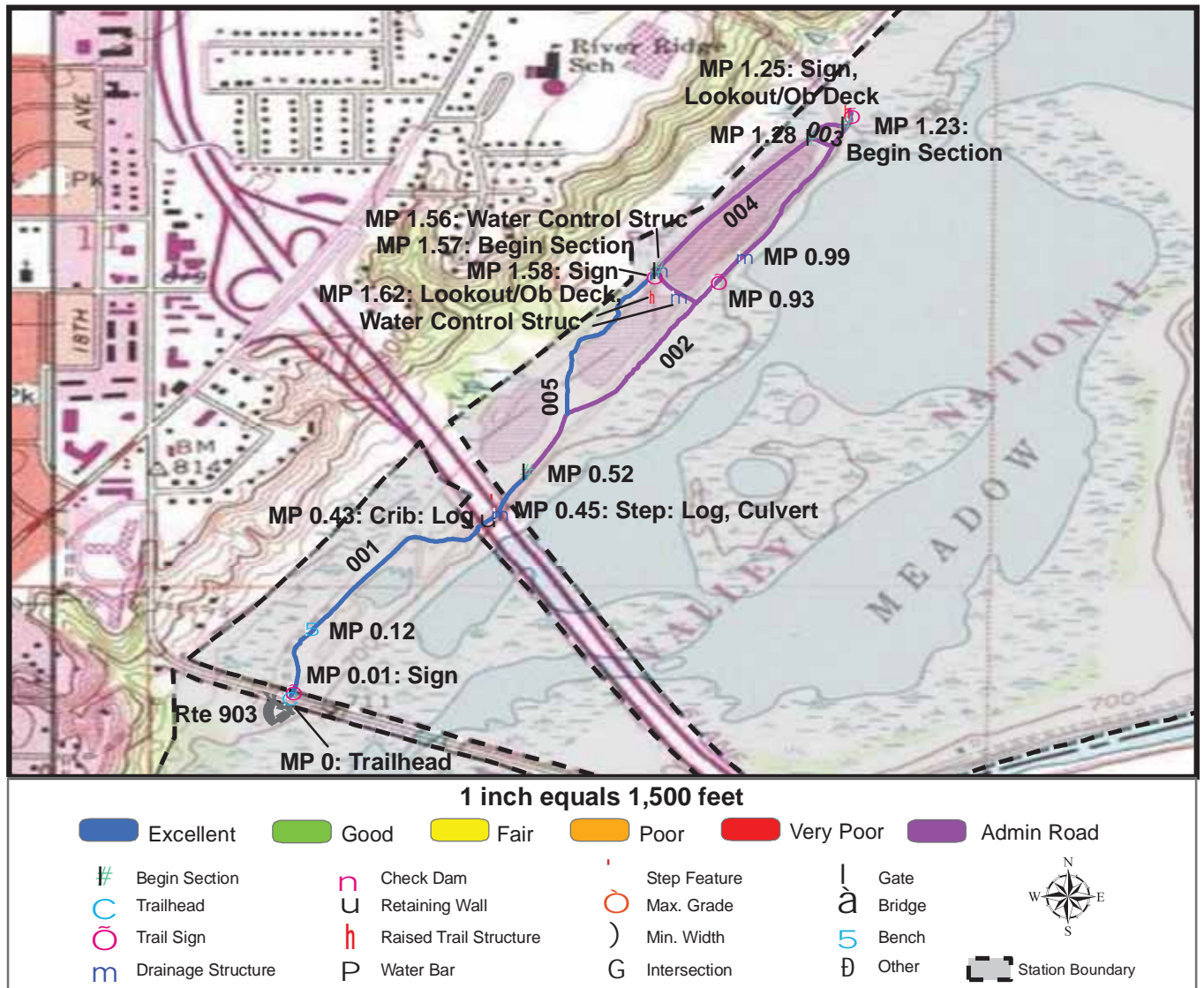
Trail Number: T200

Region: 3

TOTAL LENGTH: 3.8 Miles

Mile Post	1.08	1.26	1.66	
Section Number	008	008	008	
Photo Number	0655	0655	0659	
Deficiency	Trail Structure	Trail Structure	Trail Structure	
Action	Replace	Repair	Repair	
Item	Crib: Log -cf	Puncheon -lf	Boardwalk -lf	
Quantity	75	10	10	
Deferred Maintenance	\$58644	\$107	\$252	

# TRAIL CONDITION



**Trail Name:** Hog Back Ridge Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T300

**Region:** 3

**TOTAL LENGTH:** 2.1 Miles

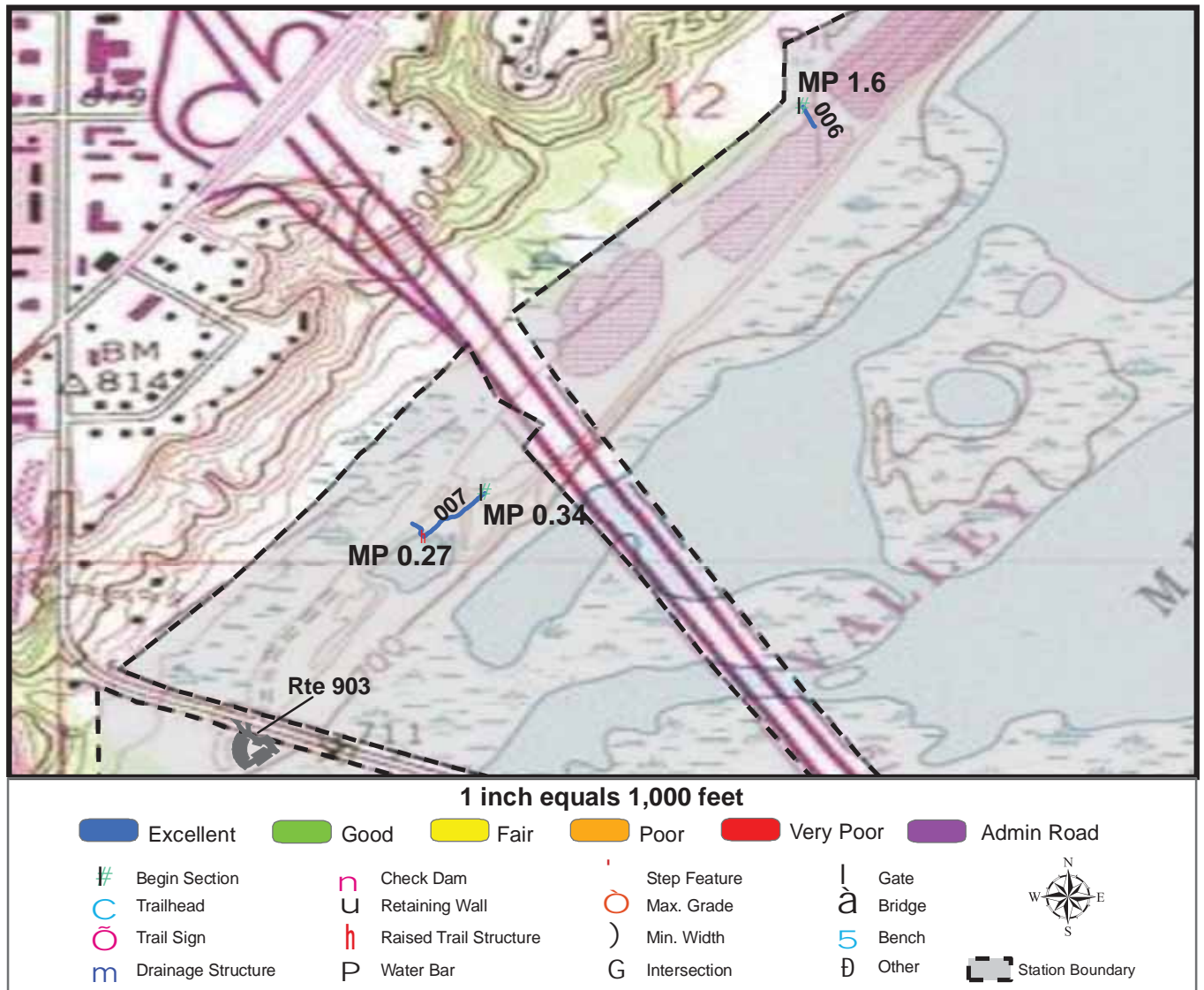
Section Number	001	002	003	004	005
Section Length (miles)	0.52	0.74	0.08	0.36	0.29
SAMMS Number	10012412	10012412	10012412	10012412	10012412
Rating Date	7/17/2006	7/17/2006	7/17/2006	7/17/2006	7/17/2006
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3	TC3	TC3
Surface Type	Gravel	Admin Road	Admin Road	Admin Road	Gravel
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	48	100	100	100	48
Average Grade (%)	2.5	2.5	2.5	2.5	2.5
Average X-slope (%)	1.4	1.4	1.4	1.4	1.4
<b>Trail Condition Information</b>					
Deferred Maintenance	\$483	\$0	\$0	\$0	\$0
CRV	\$625430	\$0	\$0	\$0	\$32675
FCI	0.001	0	0	0	0
Condition	Excellent	Not Rated	Not Rated	Not Rated	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$483	\$682297	0.001	Excellent



# TRAIL CONDITION



**Trail Name:** Hog Back Ridge Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T300

**Region:** 3

**TOTAL LENGTH:** 2.1 Miles

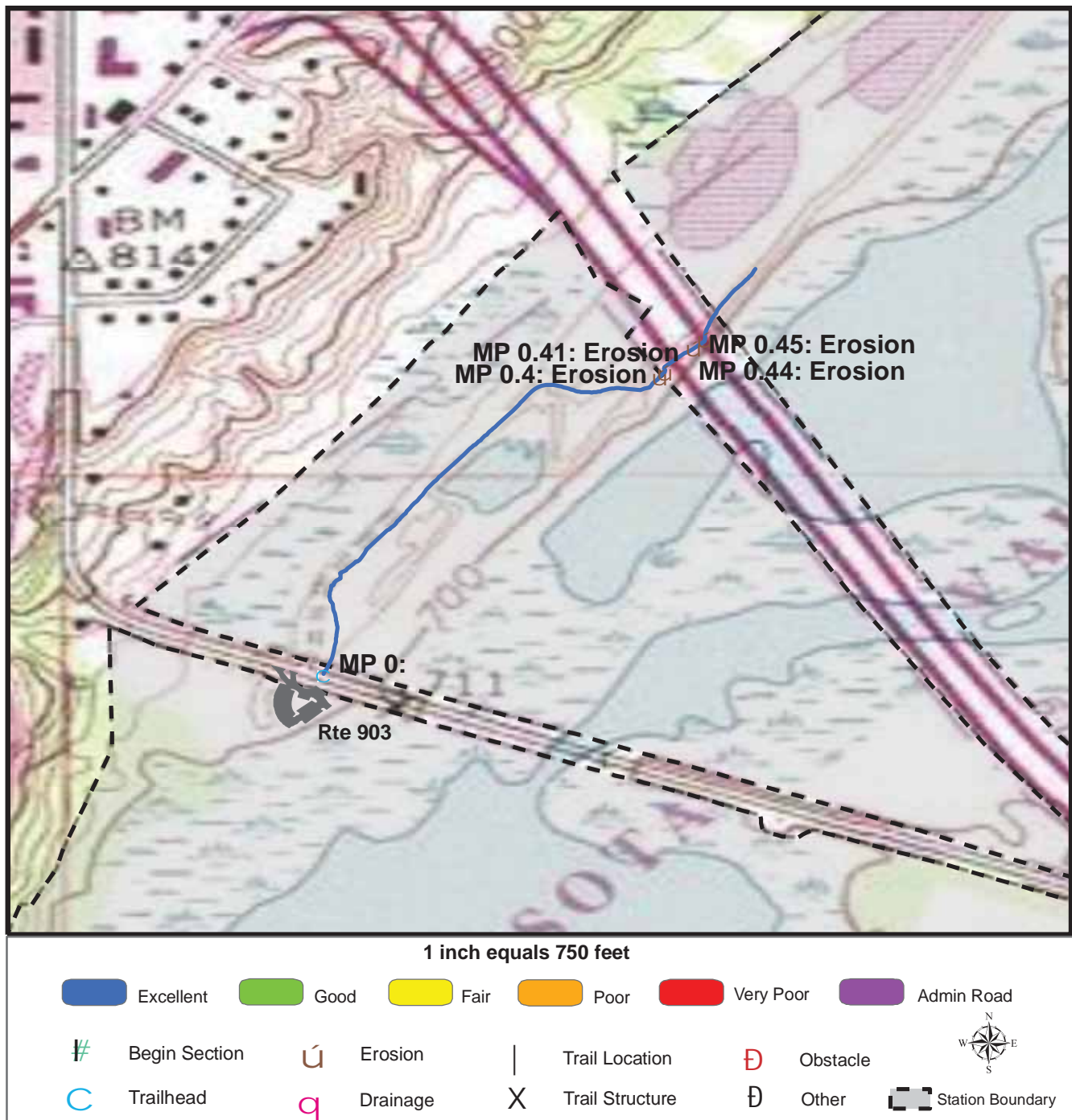
Section Number	006	007			
Section Length (miles)	0.02	0.09			
SAMMS Number	10012412	10012412			
Rating Date	7/17/2006	7/17/2006			
<b>Trail Section Information</b>					
Trail Class	TC3	TC3			
Surface Type	Boardwalk	Native			
Surface Firmness	Hard	Hard			
Width (inches)	60	36			
Average Grade (%)	2.5	2.5			
Average X-slope (%)	1.4	1.4			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$17074	\$7118			
FCI	0	0			
Condition	Excellent	Excellent			

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$483	\$682297	0.001	Excellent



# TRAIL DEFICIENCY



Trail Name: Hog Back Ridge Trail

Refuge Name: Minnesota Valley NWR

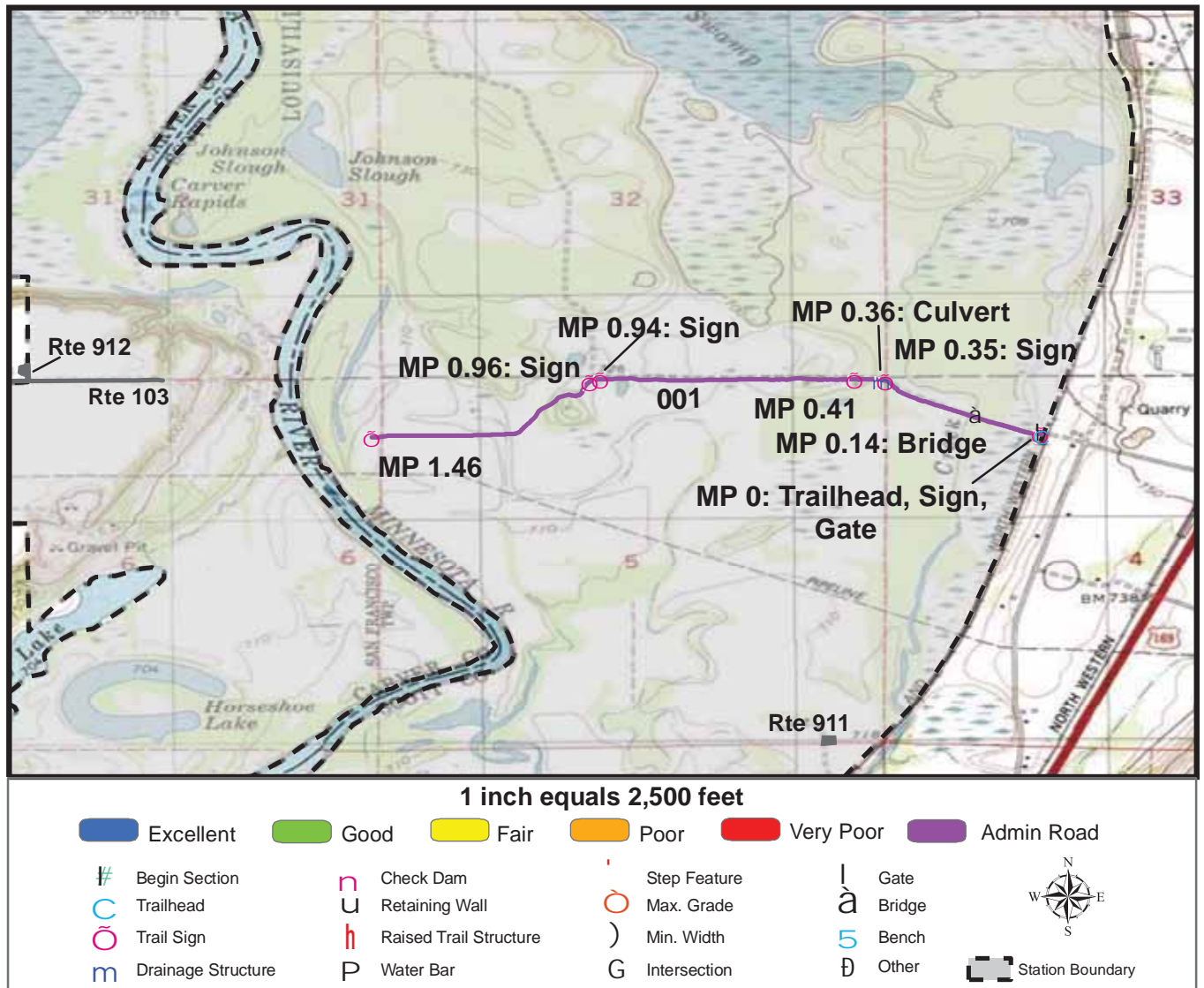
Trail Number: T300

Region: 3

TOTAL LENGTH: 2.1 Miles

Mile Post	0.4	0.41	0.44	0.45
Section Number	001	001	001	001
Photo Number	0528	0528	0529	0530
Deficiency	Erosion	Erosion	Erosion	Erosion
Action	Build/Add	Repair	Repair	Repair
Item	Drainage Dips -each	Tread -sf	Tread -sf	Tread -sf
Quantity	2	30	15	15
Deferred Maintenance	\$172	\$131	\$90	\$90

# TRAIL CONDITION



**Trail Name:** Middle Road Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T301

**Region:** 3

**TOTAL LENGTH:** 1.46 Miles



Section Number	001				
Section Length (miles)	1.46				
SAMMS Number	10012517				
Rating Date	7/19/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Hard				
Width (inches)	96				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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



1 inch equals 500 feet					
<span style="background-color: blue; color: white;">■</span> Excellent	<span style="background-color: green; color: white;">■</span> Good	<span style="background-color: yellow; color: black;">■</span> Fair	<span style="background-color: orange; color: black;">■</span> Poor	<span style="background-color: red; color: white;">■</span> Very Poor	<span style="background-color: purple; color: white;">■</span> Admin Road
# Begin Section	n Check Dam	Step Feature	l Gate		
C Trailhead	U Retaining Wall	Max. Grade	à Bridge		
○ Trail Sign	h Raised Trail Structure	) Min. Width	5 Bench		
m Drainage Structure	P Water Bar	G Intersection	ð Other		
				 Station Boundary	

**Trail Name:** Observation Deck Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T302

**Region:** 3

**TOTAL LENGTH:** 0.09 Miles

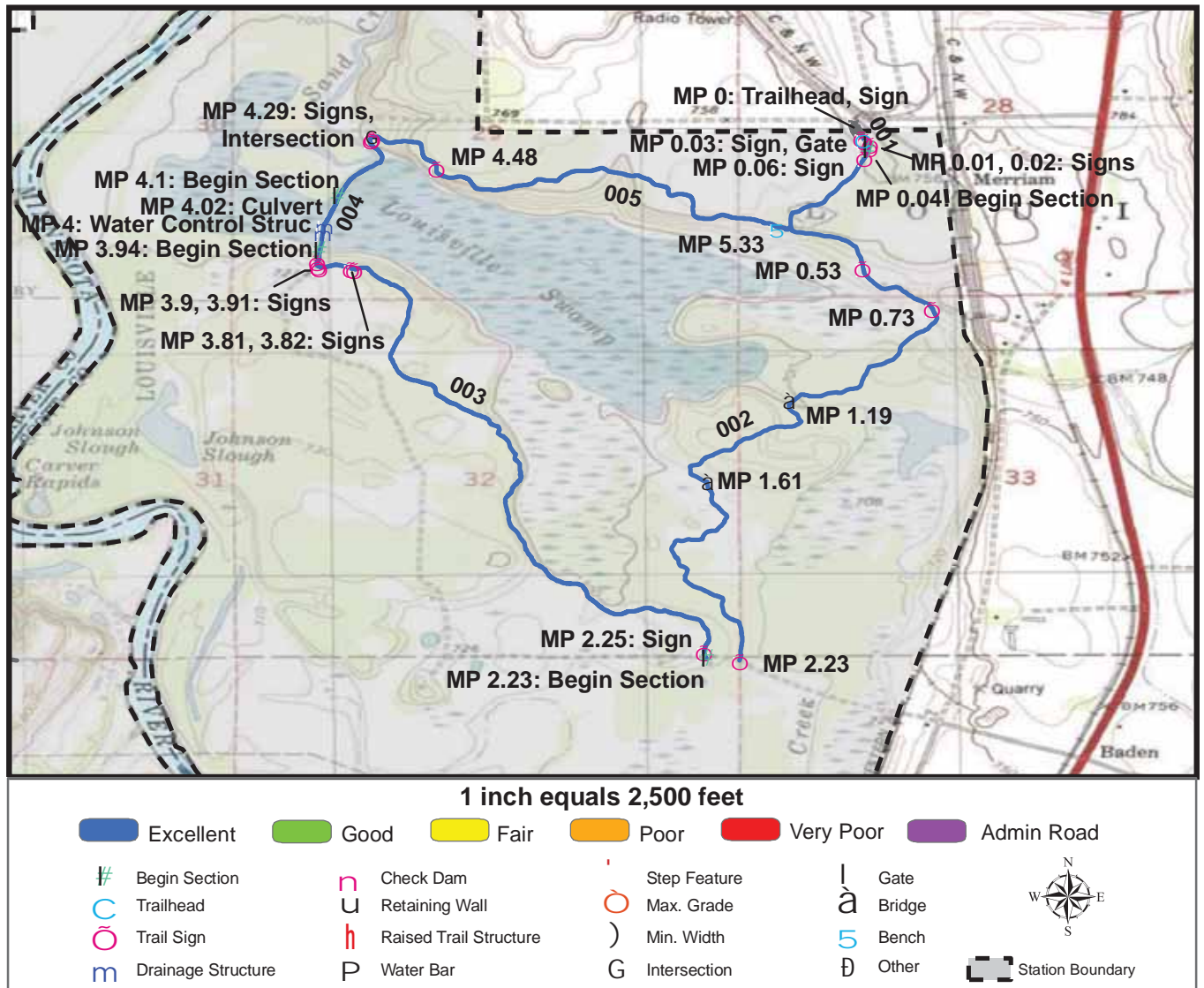
Section Number	001				
Section Length (miles)	0.09				
SAMMS Number	N/A				
Rating Date	7/18/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Hard				
Width (inches)	36				
Average Grade (%)	1.9				
Average X-slope (%)	2.2				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$8967				
FCI	0				
Condition	Excellent				

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$8967	0	Excellent



# TRAIL CONDITION



**Trail Name:** Mazomani Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T303

**Region:** 3

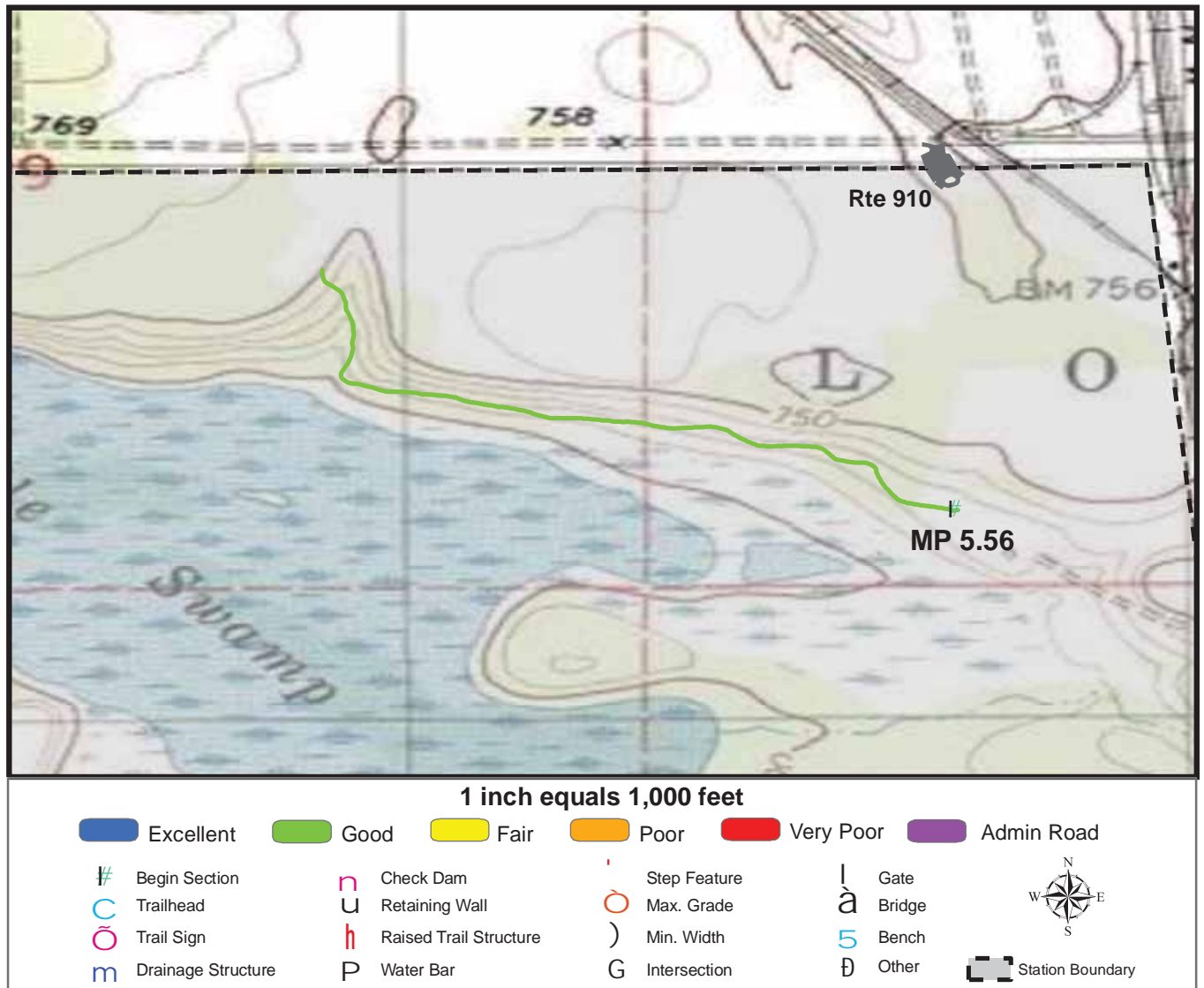
**TOTAL LENGTH:** 6.04 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.04	2.19	1.71	0.16	1.27
SAMMS Number	10012391	10012391	10012391	10012512	10012391
Rating Date	7/19/2006	7/19/2006	7/19/2006	7/19/2006	7/19/2006
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3	TC3	TC3
Surface Type	Gravel	Mowed	Mowed	Gravel	Native
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	84	84	18	90	90
Average Grade (%)	2.9	2.9	2.9	2.9	2.9
Average X-slope (%)	5.3	5.3	5.3	5.3	5.3
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$1971	\$0	\$0	\$0
CRV	\$8867	\$186763	\$16759	\$51057	\$249119
FCI	0	0.011	0	0	0
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$2519	\$543199	0.005	Excellent

# TRAIL CONDITION



**Trail Name:** Mazomani Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T303

**Region:** 3

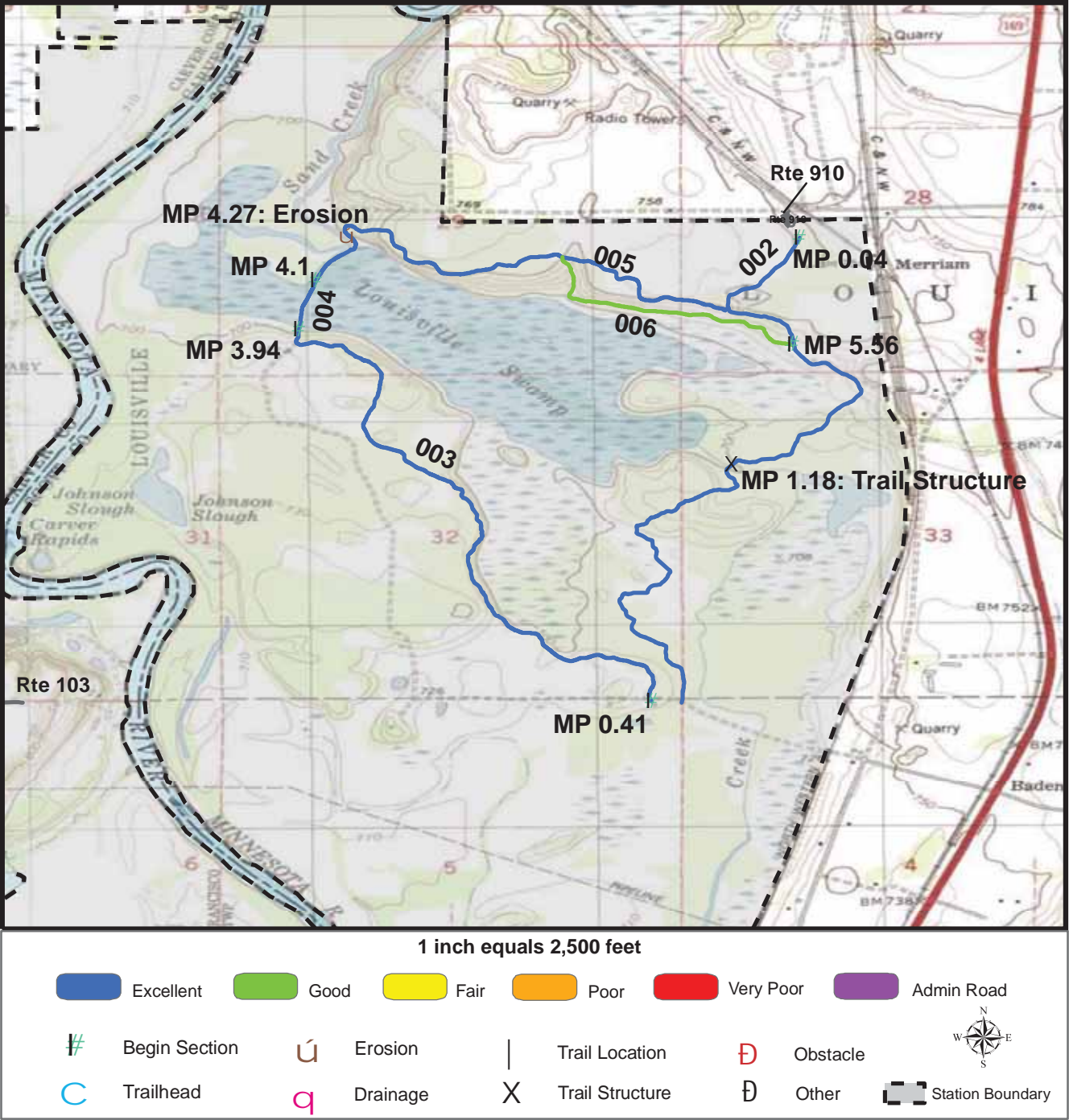
**TOTAL LENGTH:** 6.04 Miles

Section Number	006				
Section Length (miles)	0.67				
SAMMS Number	10012391				
Rating Date	7/19/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	84				
Average Grade (%)	2.9				
Average X-slope (%)	5.3				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$548				
CRV	\$30634				
FCI	0.018				
Condition	Good				

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$2519	\$543199	0.005	Excellent

# TRAIL DEFICIENCY



Trail Name: Mazomani Trail

Refuge Name: Minnesota Valley NWR

Trail Number: T303

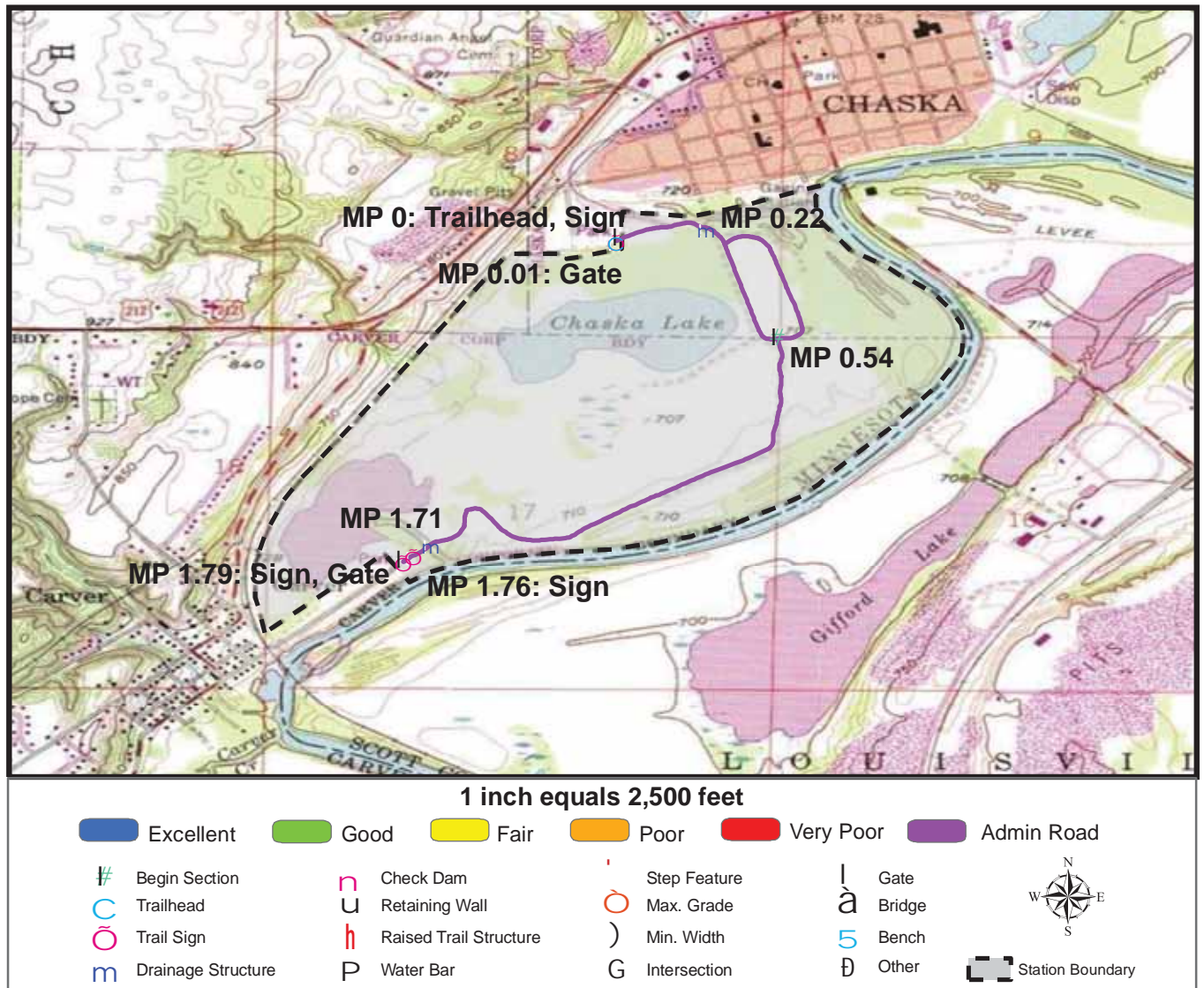
Region: 3

TOTAL LENGTH: 6.04 Miles

Mile Post	1.18	4.27		
Section Number	002	006		
Photo Number	1376	0612		
Deficiency	Trail Structure	Erosion		
Action	Repair	Build/Add		
Item	Bridge -sf	Water Bar:Rock -each		
Quantity	60	2		
Deferred Maintenance	\$1971	\$548		



# TRAIL CONDITION



**Trail Name:** Chaska Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T304

**Region:** 3

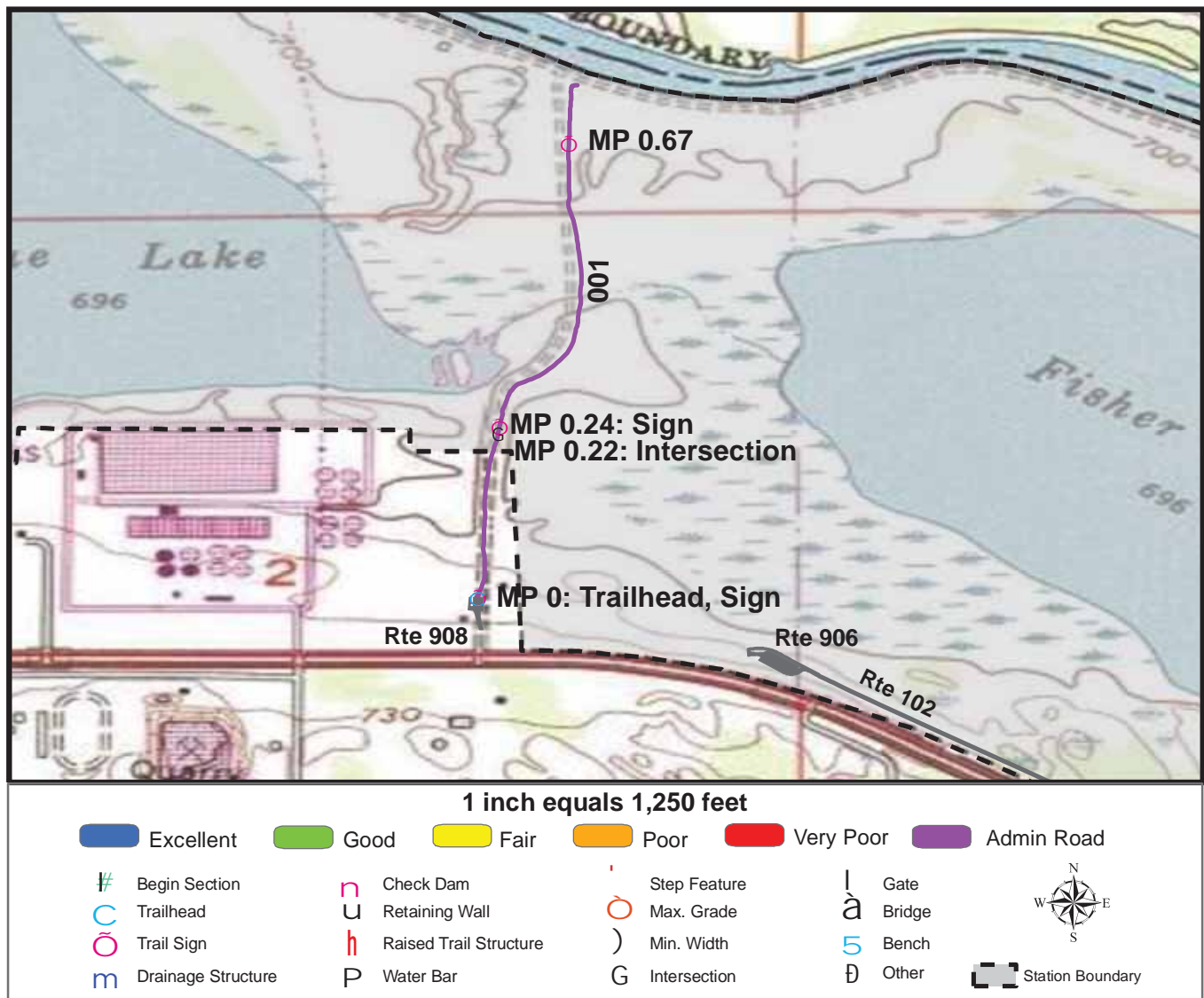
**TOTAL LENGTH:** 2.2 Miles

Section Number	001	002			
Section Length (miles)	1.79	0.41			
SAMMS Number	10012482	10012482			
Rating Date	7/19/2006	7/19/2006			
<b>Trail Section Information</b>					
Trail Class	TC3	TC3			
Surface Type	Admin Road	Admin Road			
Surface Firmness	Firm	Firm			
Width (inches)	90	90			
Average Grade (%)	0	0			
Average X-slope (%)	0	0			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$0	\$0			
FCI	0	0			
Condition	Not Rated	Not Rated			

## Trail Condition TOTALS

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

TRAIL CONDITION



Trail Name: Fisher Lake Trail

Refuge Name: Minnesota Valley NWR

Trail Number: T305

Region: 3

TOTAL LENGTH: 0.75 Miles

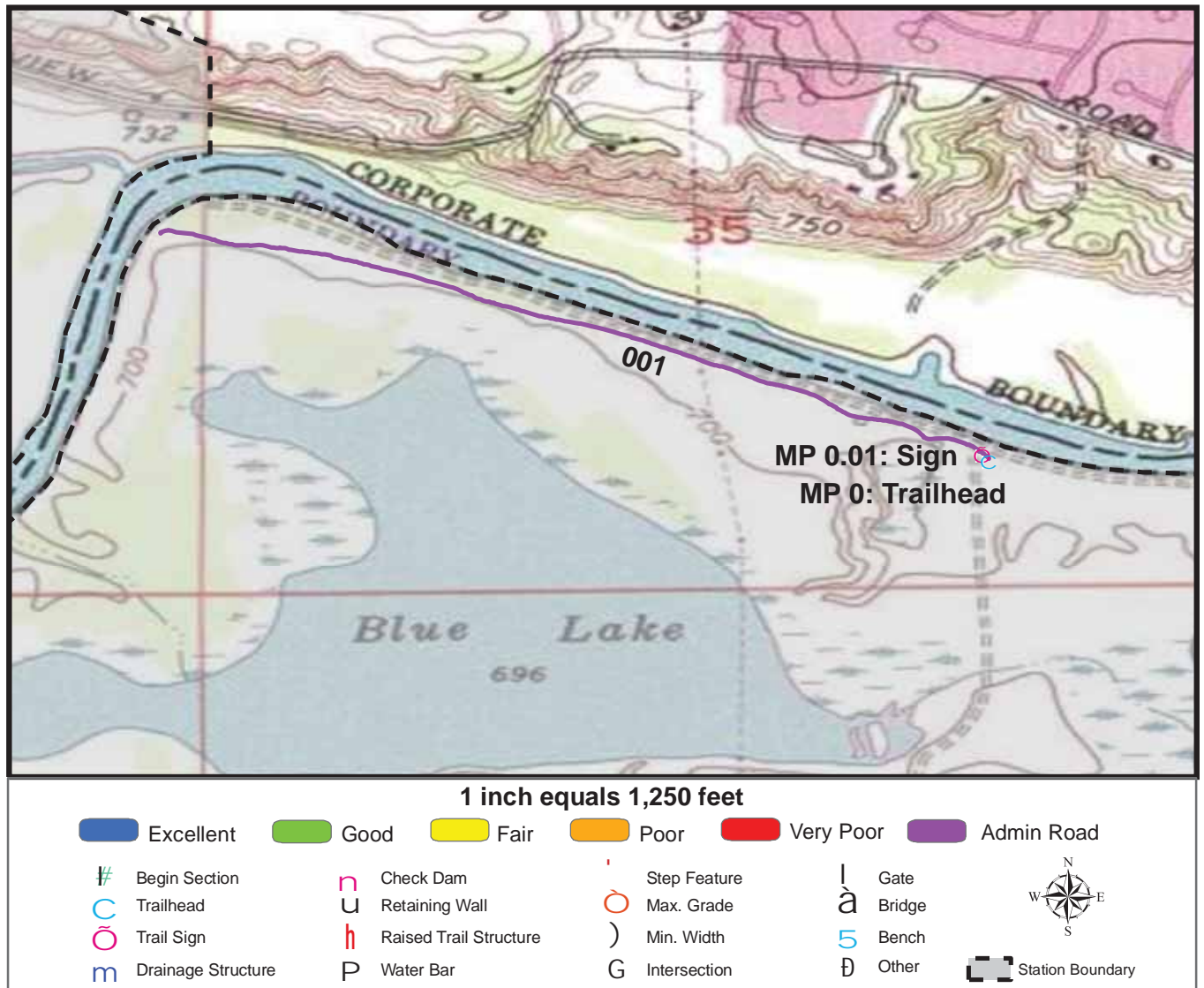
Section Number	001				
Section Length (miles)	0.75				
SAMMS Number	10012451				
Rating Date	7/20/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	96				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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:** Blue Lake Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T306

**Region:** 3

**TOTAL LENGTH:** 0.91 Miles

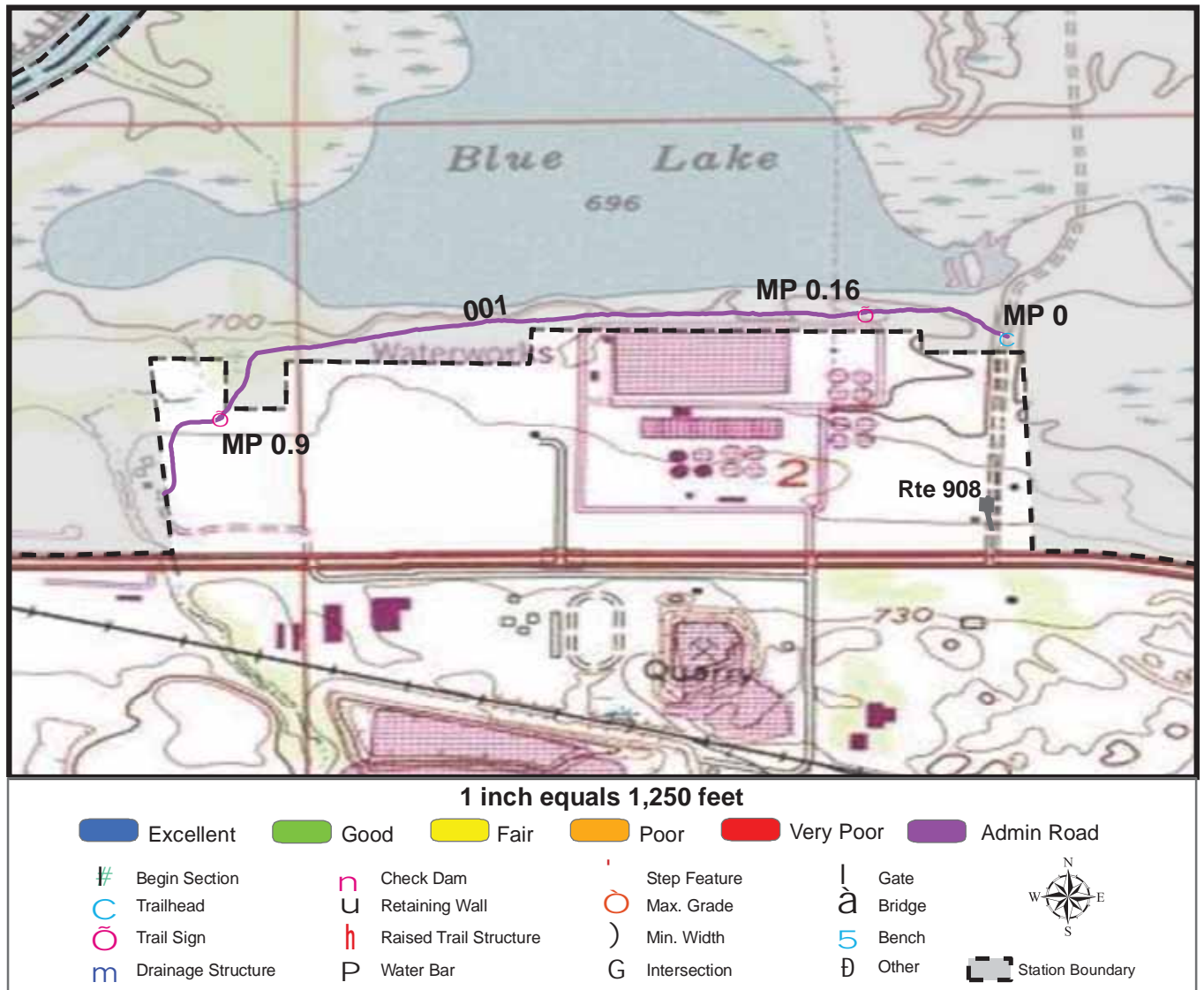
Section Number	001				
Section Length (miles)	0.91				
SAMMS Number	10012448				
Rating Date	7/20/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	96				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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:** Kopp Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T307

**Region:** 3

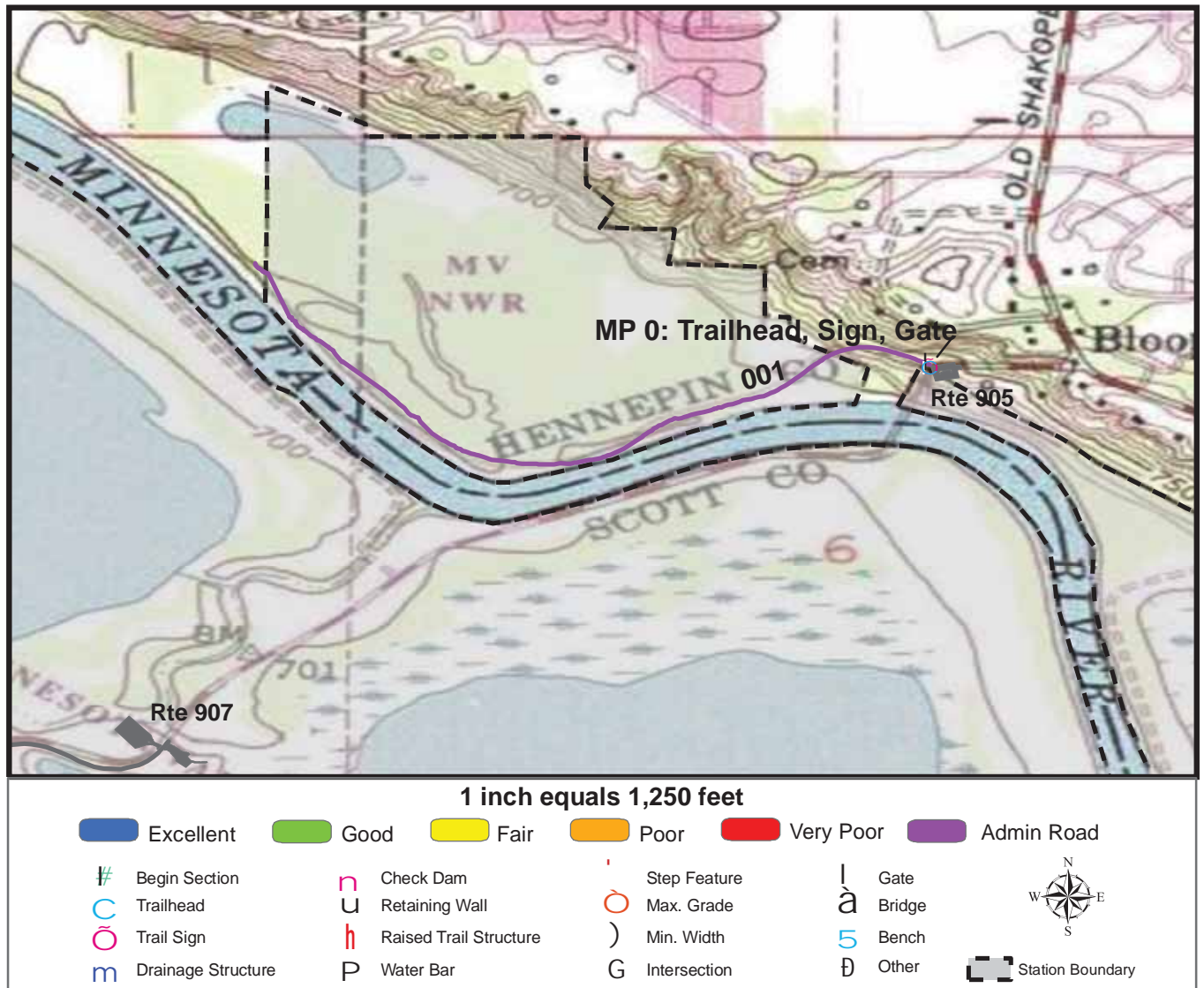
**TOTAL LENGTH:** 1.02 Miles

Section Number	001				
Section Length (miles)	1.02				
SAMMS Number	10012453				
Rating Date	7/20/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	96				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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:** Bloomington Ferry Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T308

**Region:** 3

**TOTAL LENGTH:** 0.88 Miles

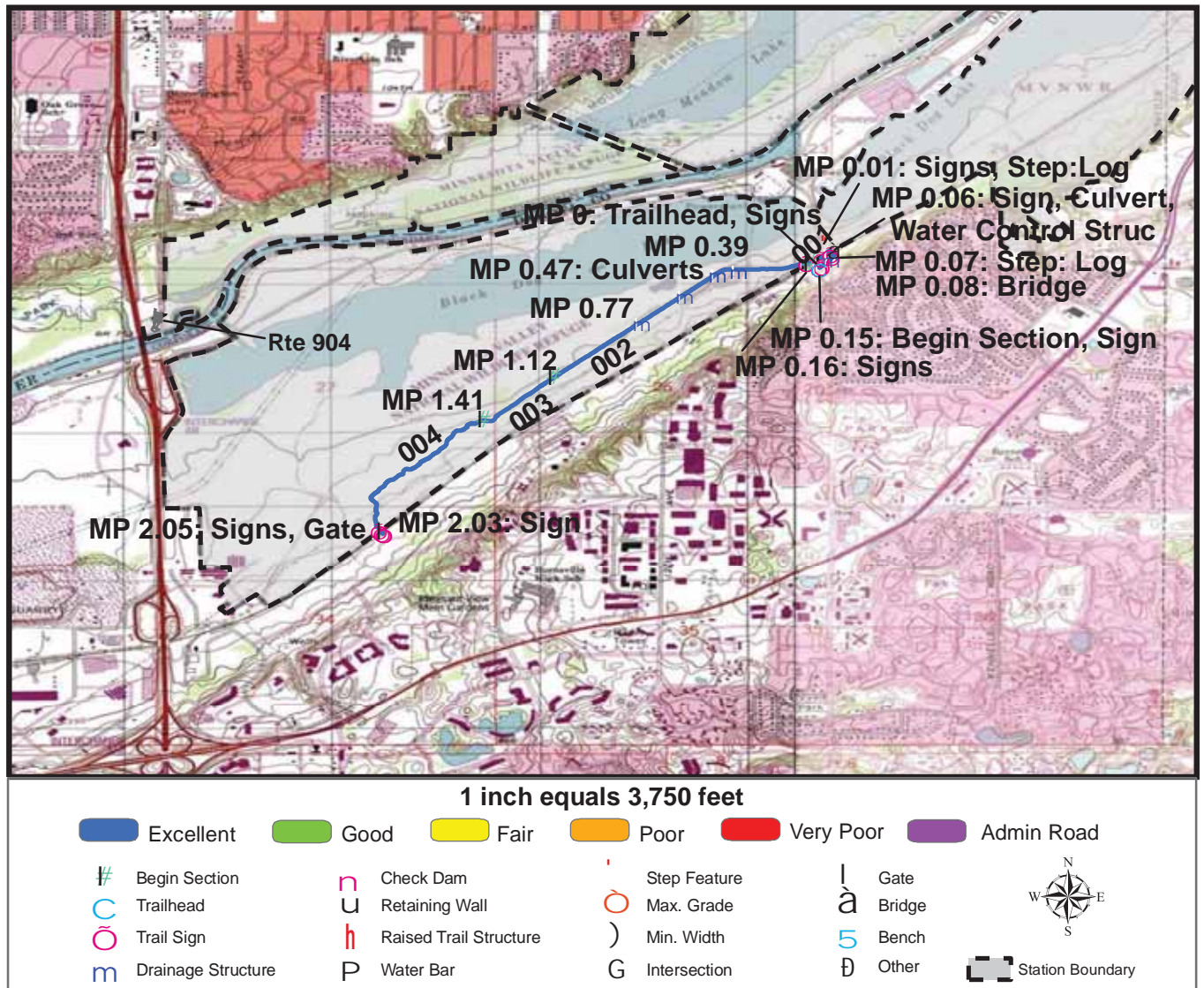
Section Number	001				
Section Length (miles)	0.88				
SAMMS Number	10049371				
Rating Date	7/20/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Admin Road				
Surface Firmness	Firm				
Width (inches)	96				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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:** Black Dog Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T400

**Region:** 3

**TOTAL LENGTH:** 2.05 Miles

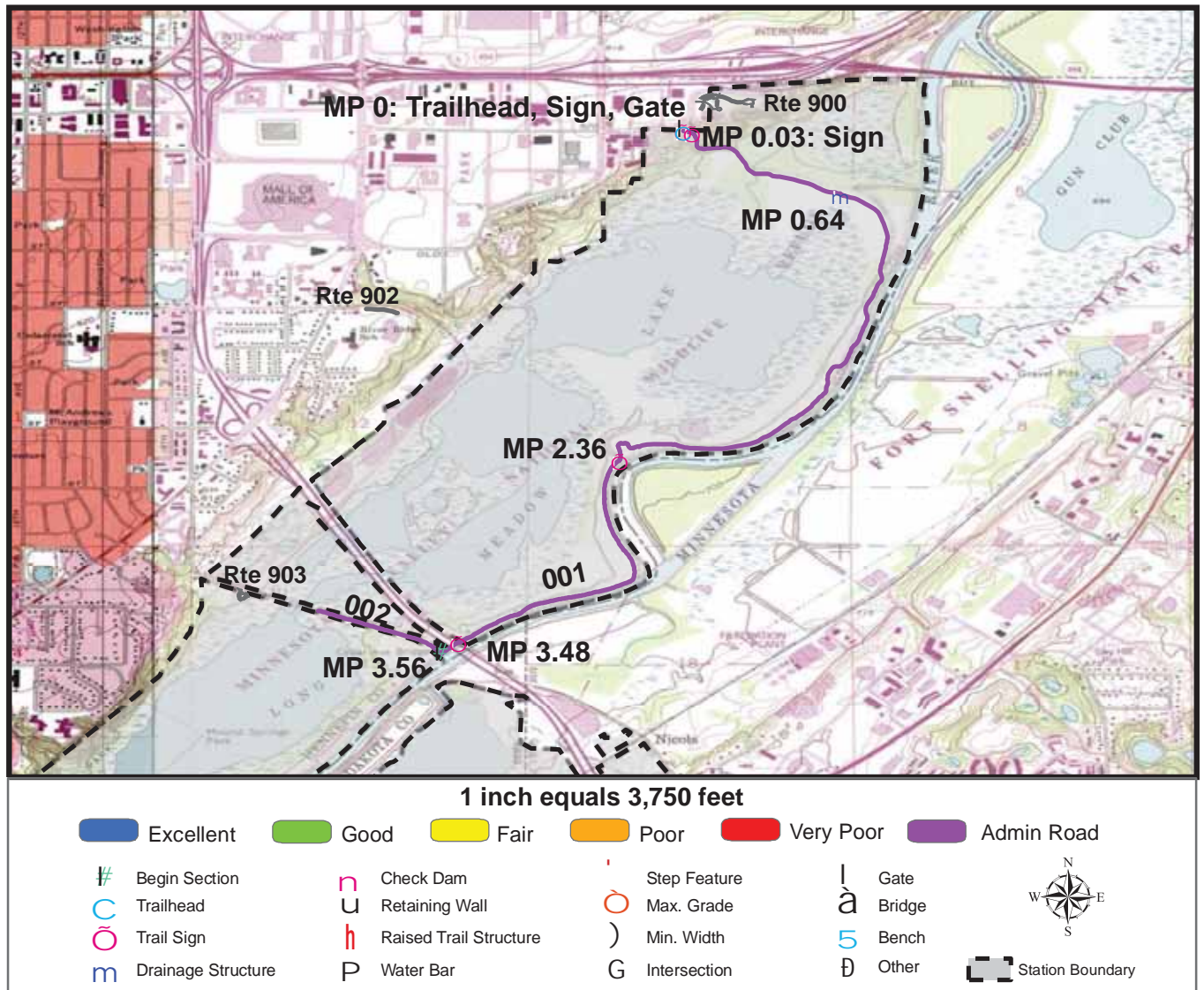
Section Number	001	002	003	004
Section Length (miles)	0.15	0.94	0.29	0.67
SAMMS Number	10012428	10012434	10012434	10012434
Rating Date	7/18/2006	7/18/2006	7/18/2006	7/18/2006
<b>Trail Section Information</b>				
Trail Class	TC4	TC3	TC2	TC2
Surface Type	Gravel	Gravel	Mowed	Mowed
Surface Firmness	Hard	Firm	Firm	Firm
Width (inches)	36	36	17	17
Average Grade (%)	4.9	4.9	4.9	4.9
Average X-slope (%)	3.3	3.3	3.3	3.3
<b>Trail Condition Information</b>				
Deferred Maintenance	\$0	\$0	\$0	\$0
CRV	\$51468	\$85313	\$2640	\$8048
FCI	0	0	0	0
Condition	Excellent	Excellent	Excellent	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$147469	0	Excellent



# TRAIL CONDITION



**Trail Name:** Kelly Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T401

**Region:** 3

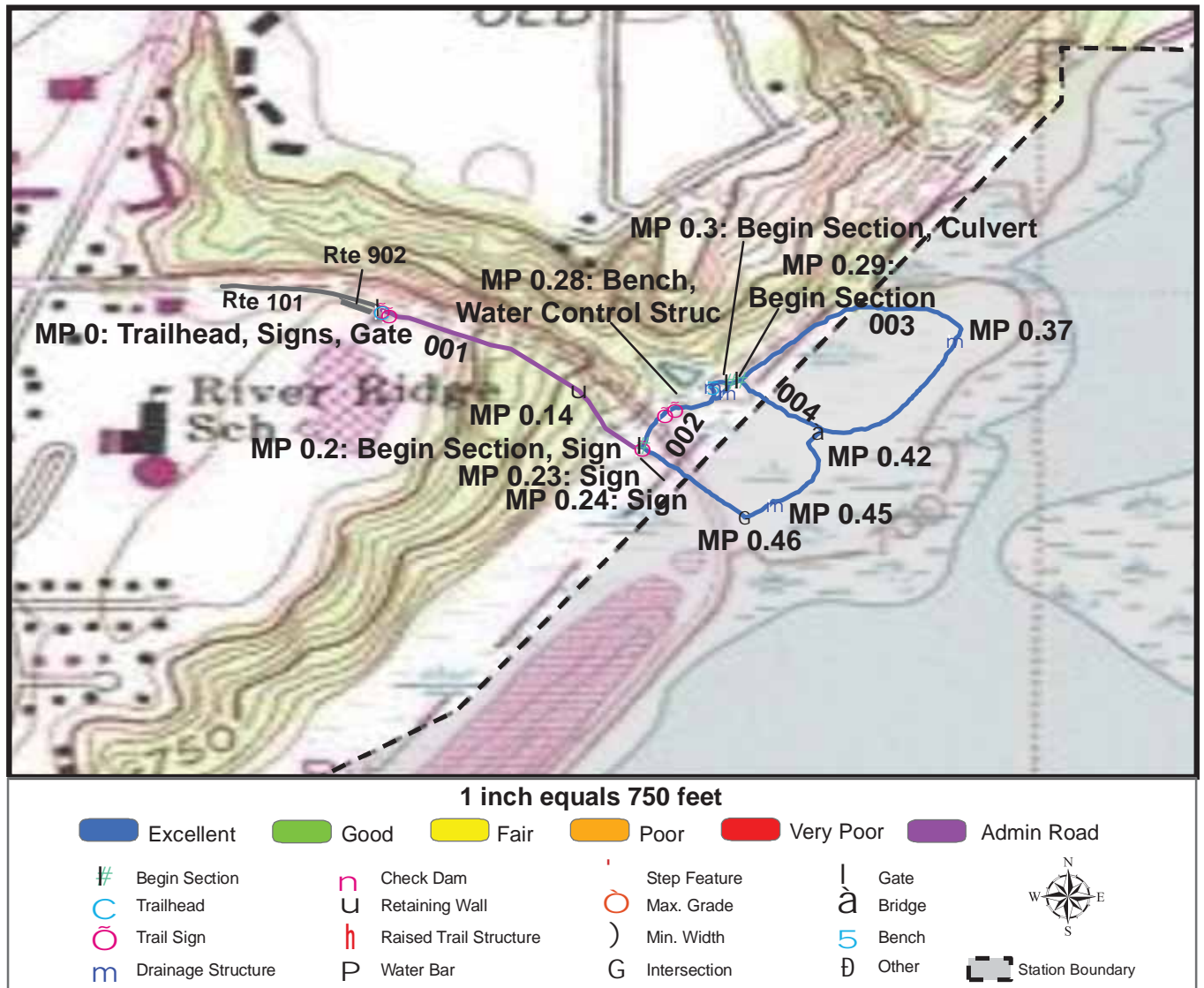
**TOTAL LENGTH:** 3.97 Miles

Section Number	001	002			
Section Length (miles)	3.56	0.41			
SAMMS Number	10012365	10012365			
Rating Date	7/18/2006	7/20/2006			
<b>Trail Section Information</b>					
Trail Class	TC4	TC4			
Surface Type	Admin Road	Admin Road			
Surface Firmness	Hard	Firm			
Width (inches)	96	100			
Average Grade (%)	0	0			
Average X-slope (%)	0	0			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$0	\$0			
FCI	0	0			
Condition	Not Rated	Not Rated			

## Trail Condition TOTALS

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

# TRAIL CONDITION



**Trail Name:** Bass Ponds Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T402

**Region:** 3

**TOTAL LENGTH:** 0.87 Miles

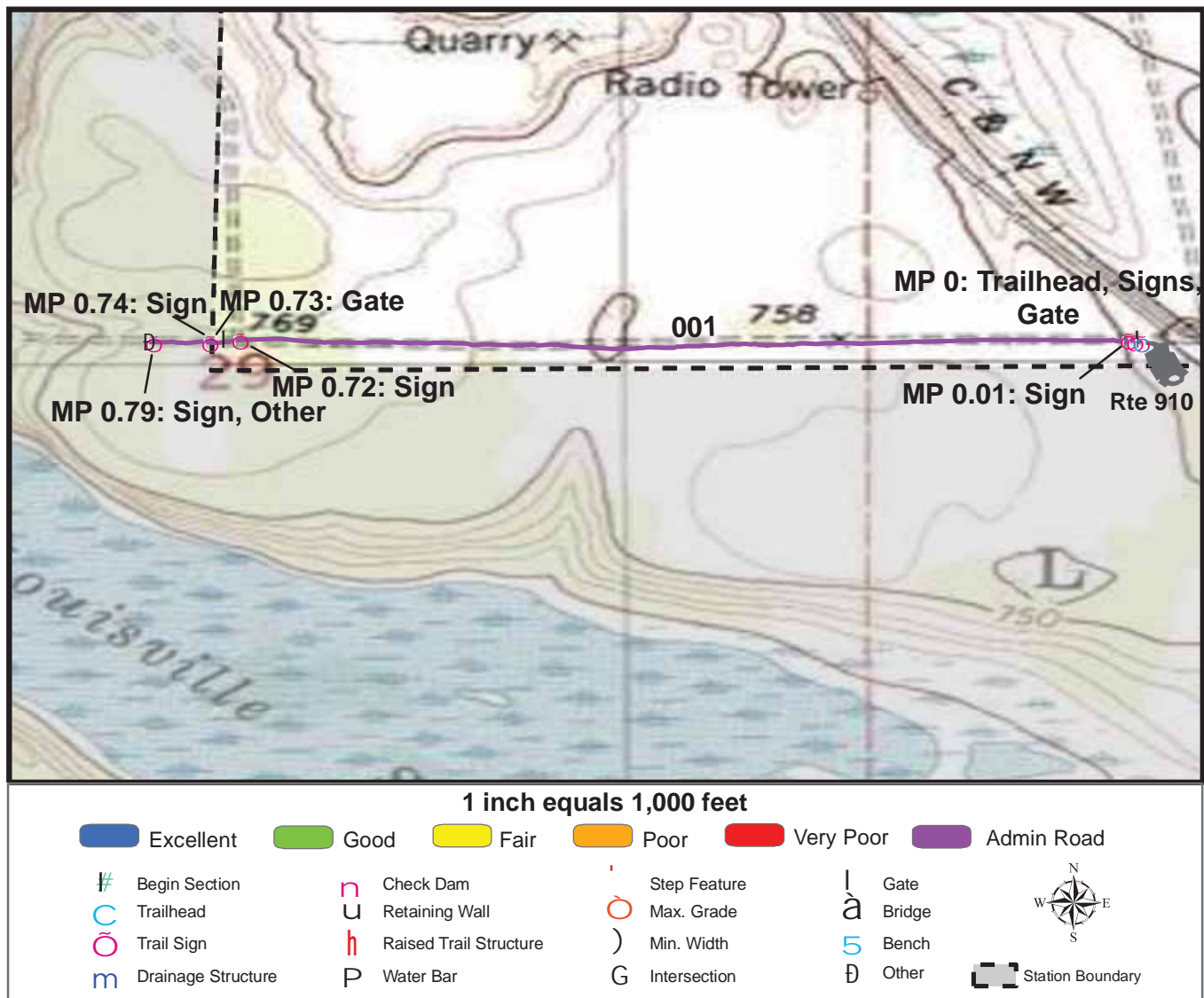
Section Number	001	002	003	004	
Section Length (miles)	0.2	0.11	0.49	0.07	
SAMMS Number	10012356	10012356	10012356	10012356	
Rating Date	7/18/2006	7/18/2006	7/18/2006	7/18/2006	
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4	TC4	
Surface Type	Admin Road	Gravel	Gravel	Gravel	
Surface Firmness	Paved	Hard	Hard	Hard	
Width (inches)	240	96	96	18	
Average Grade (%)	2.3	2.3	2.3	2.3	
Average X-slope (%)	1.4	1.4	1.4	1.4	
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	
CRV	\$0	\$26365	\$129186	\$2846	
FCI	0	0	0	0	
Condition	Not Rated	Excellent	Excellent	Excellent	

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$158397	0	Excellent



TRAIL CONDITION



Trail Name: Little Prairie Loop Trail

Refuge Name: Minnesota Valley NWR

Trail Number: T403

Region: 3

TOTAL LENGTH: 0.79 Miles

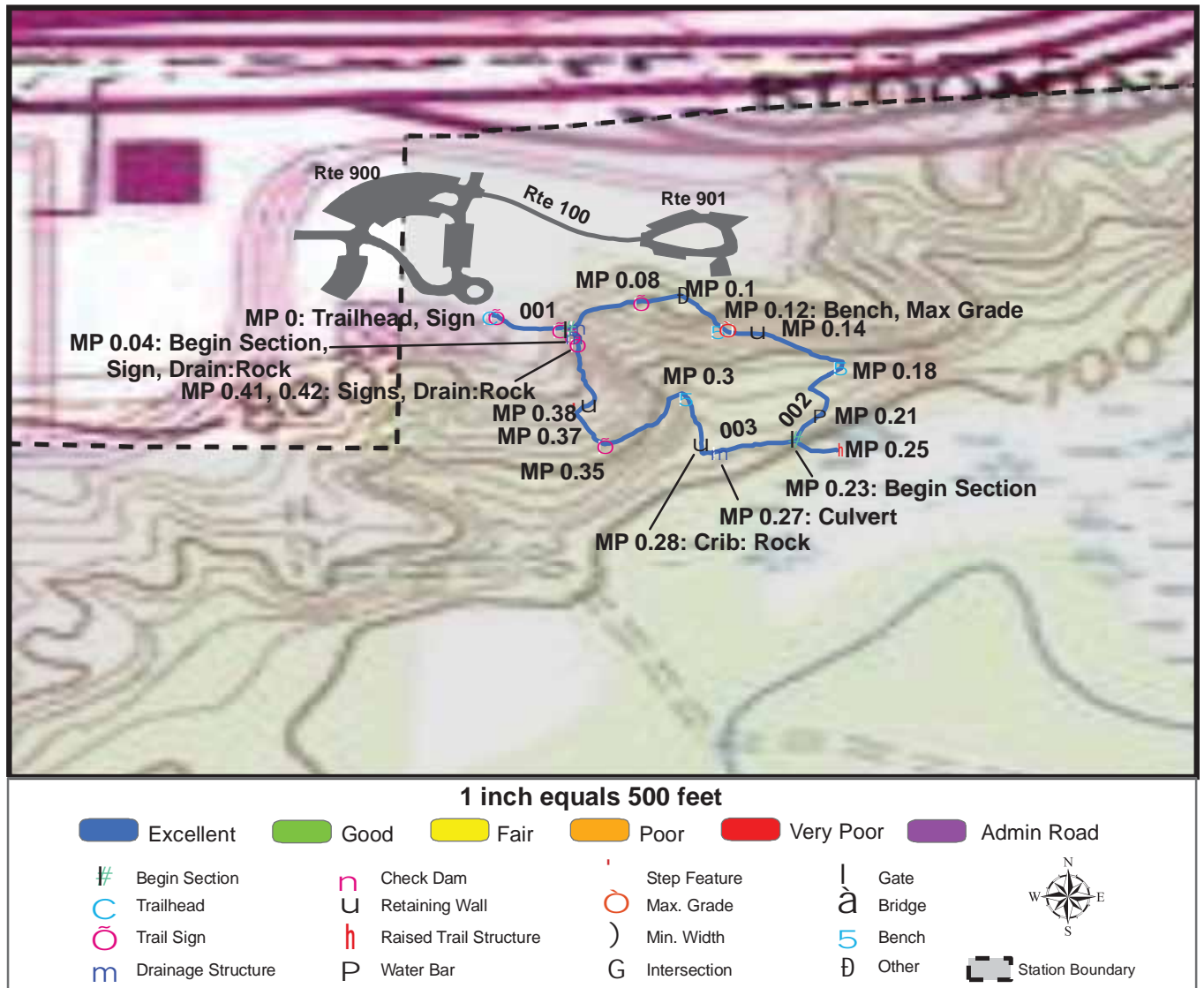
Section Number	001				
Section Length (miles)	0.79				
SAMMS Number	10012519				
Rating Date	7/19/2006				
<b>Trail Section Information</b>					
Trail Class	TC4				
Surface Type	Admin Road				
Surface Firmness	Hard				
Width (inches)	100				
Average Grade (%)	0				
Average X-slope (%)	0				
<b>Trail Condition Information</b>					
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:** Hillside Trail

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T500

**Region:** 3

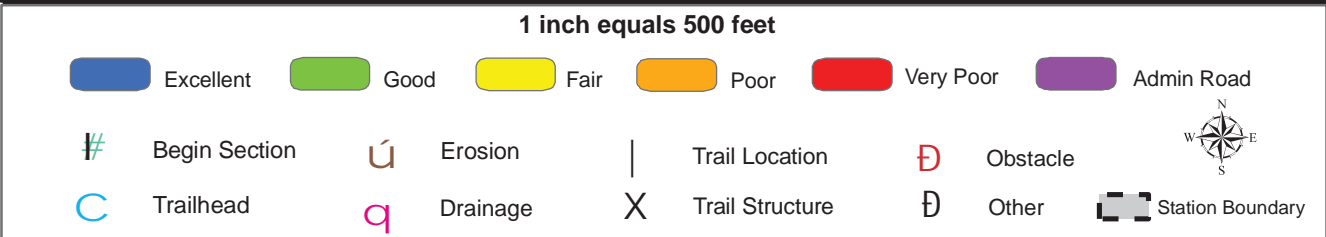
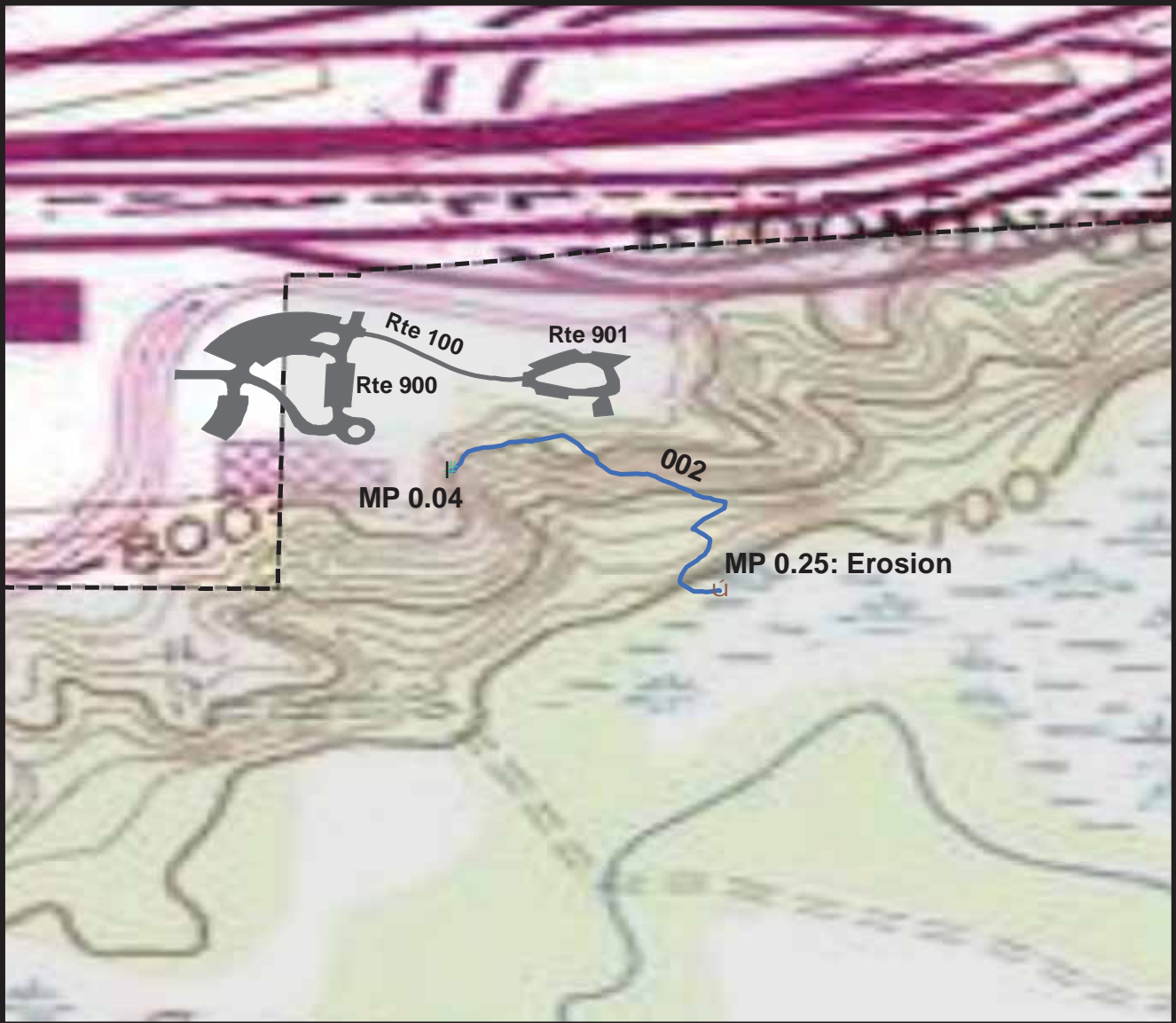
**TOTAL LENGTH:** 0.44 Miles

Section Number	001	002	003		
Section Length (miles)	0.04	0.21	0.19		
SAMMS Number	10012347	10012347	10012347		
Rating Date	7/18/2006	7/18/2006	7/18/2006		
<b>Trail Section Information</b>					
Trail Class	TC5	TC5	TC5		
Surface Type	Asphalt	Gravel	Gravel		
Surface Firmness	Paved	Hard	Hard		
Width (inches)	52	52	52		
Average Grade (%)	7.4	7.4	7.4		
Average X-slope (%)	3.1	3.1	3.1		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$158	\$0		
CRV	\$5575	\$44943	\$37519		
FCI	0	0.004	0		
Condition	Excellent	Excellent	Excellent		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$158	\$88037	0.002	Excellent

# TRAIL DEFICIENCY



Trail Name: Hillside Trail

Refuge Name: Minnesota Valley NWR

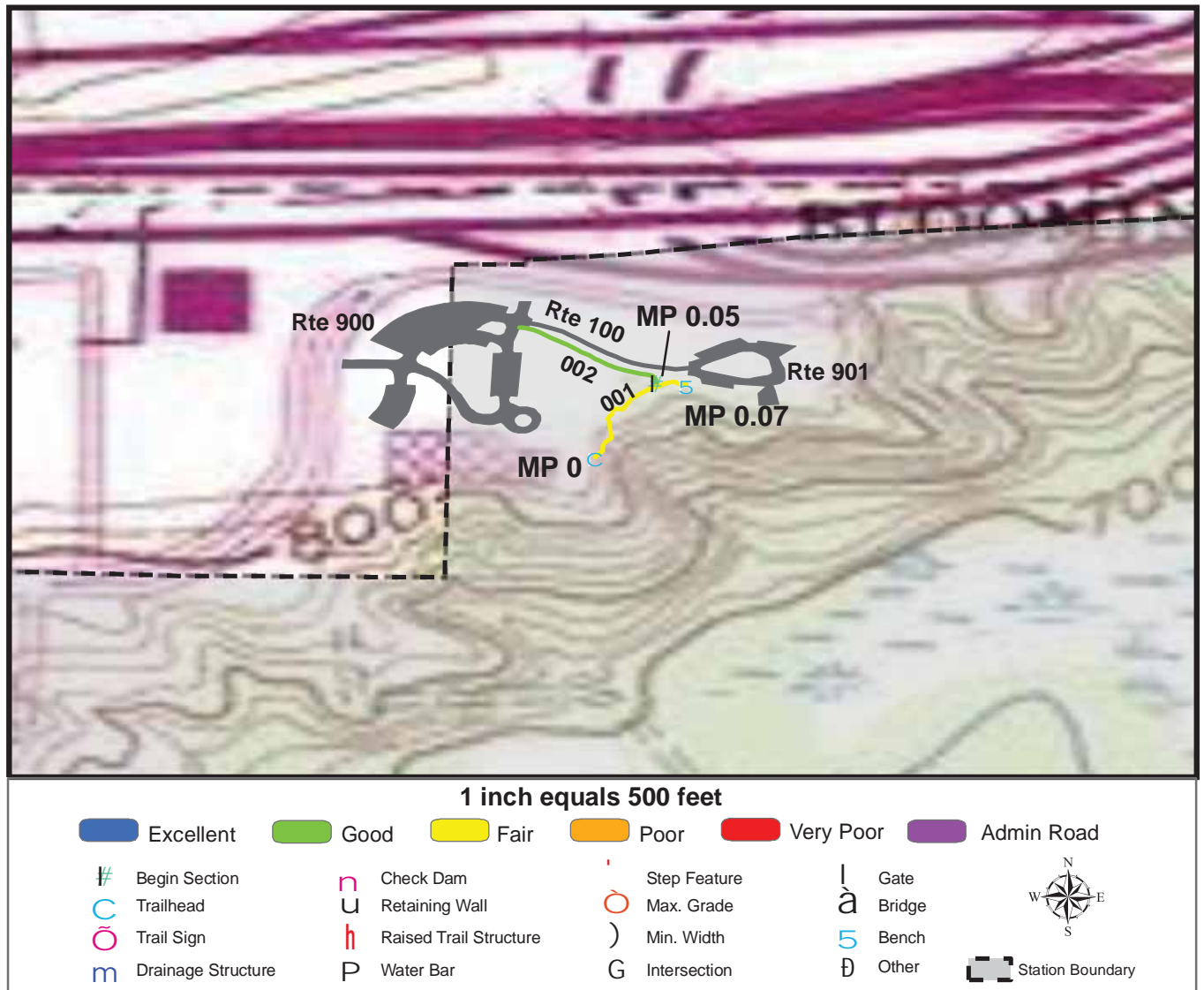
Trail Number: T500

Region: 3

TOTAL LENGTH: 0.44 Miles

Mile Post	0.25			
Section Number	002			
Photo Number	0554			
Deficiency	Erosion			
Action	Repair			
Item	Tread -sf			
Quantity	40			
Deferred Maintenance	\$158			

# TRAIL CONDITION



**Trail Name:** Bluff Prairie Path

**Refuge Name:** Minnesota Valley NWR

**Trail Number:** T501

**Region:** 3

**TOTAL LENGTH:** 0.14 Miles

Section Number	001	002			
Section Length (miles)	0.07	0.07			
SAMMS Number	10012355	10012355			
Rating Date	7/18/2006	7/18/2006			
<b>Trail Section Information</b>					
Trail Class	TC5	TC5			
Surface Type	Asphalt	Asphalt			
Surface Firmness	Paved	Paved			
Width (inches)	52	52			
Average Grade (%)	1.6	1.6			
Average X-slope (%)	2.3	2.3			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$742	\$396			
CRV	\$10443	\$10547			
FCI	0.071	0.038			
Condition	Fair	Good			

## Trail Condition TOTALS

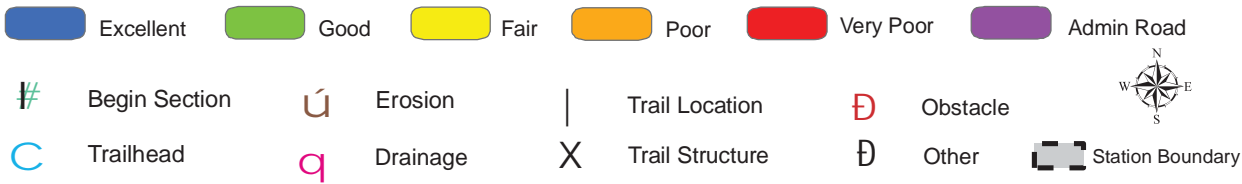
Deferred Maintenance	CRV	FCI	Condition
\$1138	\$20990	0.054	Fair



# TRAIL DEFICIENCY



1 inch equals 500 feet



Trail Name: Bluff Prairie Path

Refuge Name: Minnesota Valley NWR

Trail Number: T501

Region: 3

TOTAL LENGTH: 0.14 Miles

Mile Post	0.04	0.09		
Section Number	001	002		
Photo Number	0548	0549		
Deficiency	Erosion	Erosion		
Action	Repair	Repair		
Item	Tread -sf	Tread -sf		
Quantity	200	100		
Deferred Maintenance	\$742	\$396		

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0623 - MP 0.0 - Trailhead, Sign

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0624 - MP 0.02 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0627 - MP 0.11 - Begin Section 002

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0631 - MP 0.15 - Drainage Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0630 - MP 0.15 - Boardwalk

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0639 - MP 0.39 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0640 - MP 0.42 - Trail Structure Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0641 - MP 0.42 - Begin Section 005



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0642 - MP 0.48 - Begin Section 006

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0643 - MP 0.5 - Trail Structure Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0645 - MP 0.51 - Begin Section 007

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0646 - MP 0.53 - Drainage Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0647 - MP 0.58 - Boardwalk, Trail Structure Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0649 - MP 0.62 - Trail Structure Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0648 - MP 0.62 - Boardwalk

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0650 - MP 0.75 - Trail Structure Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0651 - MP 0.83 - Erosion Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0653 - MP 0.9 - Erosion Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0654 - MP 1.05 - Bridge

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0655 - MP 1.08 - Trail Structure Deficiency, Crib: Log



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0655 - MP 1.26 - Trail Structure Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0656 - MP 1.26 - Puncheon



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0657 - MP 1.48 - Check Dam: Log

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0658 - MP 1.64 - Check Dam: Log



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0659 - MP 1.66 - Trail Structure Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0660 - MP 1.91 - Erosion Deficiency

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0661 - MP 1.96 - Boardwalk

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0662 - MP 2.6 - Culvert



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0663 - MP 2.64 - Erosion Deficiency

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0664 - MP 2.68 - Erosion Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0665 - MP 2.88 - Bridge, Culvert

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0526 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0527 - MP 0.01 - Sign

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0539 - MP 0.34 - Begin Section 007



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0528 - MP 0.4 - Erosion Deficiency

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0529 - MP 0.44 - Erosion Deficiency



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0530 - MP 0.45 - Erosion Deficiency

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0531 - MP 0.52 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0532 - MP 0.93 - Sign

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0534 - MP 1.23 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0533 - MP 1.25 - Sign

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0537 - MP 1.28 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0538 - MP 1.57 - Begin Section 005

TRAIL NUMBER: **T300**

STATION: Minnesota Valley NWR

DATE: 7/17/2006



Photo # 0536 - MP 1.58 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0589 - MP 0.0 - Trailhead, Sign

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0590 - MP 0.14 - Bridge

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0591 - MP 0.35 - Sign

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0592 - MP 0.41 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0593 - MP 0.94 - Sign

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0594 - MP 0.96 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0595 - MP 1.46 - Sign

TRAIL NUMBER: **T302**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1325 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1326 - MP 0.0 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1356 - MP 0.0 - Trailhead

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1353-1355 - MP 0.0 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1357 - MP 0.01 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1358 - MP 0.02 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1361, 1362 - MP 0.03 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1363 - MP 0.04 - Begin Section 002

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1364, 1365 - MP 0.06 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1366-1368 - MP 0.53 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1371 - MP 0.73 - Sign (Grouped Feature)

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1376 - MP 1.18 - Trail Structure Deficiency, Bridge

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1378 - MP 1.61 - Bridge



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0596 - MP 2.23 - Begin Section 003

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1379-1380 - MP 2.23 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0597 - MP 2.25 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0600 - MP 3.81 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0601 - MP 3.82 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0602 - MP 3.9 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0603 - MP 3.9 - Sign

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0605 - MP 3.91 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0606 - MP 3.94 - Begin Section 004

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0611 - MP 4.1 - Begin Section 005



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0612 - MP 4.27 - Erosion Deficiency

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

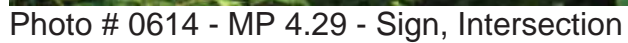
DATE: 7/19/2006



Photo # 0613 - MP 4.29 - Sign



TRAIL NUMBER: **T303**  
STATION: Minnesota Valley NWR  
DATE: 7/19/2006





**What's Going On?**

What are those dead trees that look "skeletonized" or "snags"? This majestic spruce forest can be 40' in diameter.

The forest is a lot different appearance of deciduous tree forest used to occupy Oak Ridge - but the forest is not that great. Pine will be killed by water in some.

Is not the old forest and trees (snags) around the forest but only the forest.

Photo # 0616 - MP 4.48 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 1369 - MP 5.56 - Begin Section 006

TRAIL NUMBER: **T304**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0618 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T304**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0619 - MP 0.0 - Sign, Gate

TRAIL NUMBER: **T304**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0622 - MP 0.54 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T304**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0621 - MP 1.76 - Sign

TRAIL NUMBER: **T304**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0620 - MP 1.79 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T305**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0666 - MP 0.0 - Trailhead

TRAIL NUMBER: **T305**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0667 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T305**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0668 - MP 0.24 - Sign

TRAIL NUMBER: **T305**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0669 - MP 0.67 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T306**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0670 - MP 0.0 - Trailhead

TRAIL NUMBER: **T306**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0671 - MP 0.01 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T307**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0672 - MP 0.0 - Trailhead

TRAIL NUMBER: **T307**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0673 - MP 0.16 - Sign (Grouped Feature)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T307**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0674 - MP 0.9 - Sign

TRAIL NUMBER: **T308**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0676 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0677 - MP 0.0 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1351 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1348-49 - MP 0.0 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1350 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1347 - MP 0.01 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1346 - MP 0.06 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1345 - MP 0.08 - Bridge

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1344 - MP 0.1 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1334 - MP 0.15 - Begin Section 002

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1341-42 - MP 0.15 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1328 - MP 0.16 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1330 - MP 0.39 - Water Control Struc



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1338 - MP 1.12 - Begin Section 003

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1337 - MP 1.41 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1336 - MP 2.03 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1331-32 - MP 2.05 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1333 - MP 2.05 - Sign

TRAIL NUMBER: **T400**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 1335 - MP 2.05 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0542 - MP 0.03 - Sign

TRAIL NUMBER: **T401**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0677 - MP 2.36 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0678 - MP 3.48 - Sign

TRAIL NUMBER: **T401**

STATION: Minnesota Valley NWR

DATE: 7/20/2006



Photo # 0679 - MP 3.56 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0558 - MP 0.0 - Trailhead, Gate, Sign

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0559 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0560 - MP 0.2 - Begin Section 002, Sign

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0561 - MP 0.23 - Sign (Grouped Feature)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0562 - MP 0.24 - Sign, Bench

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0563 - MP 0.28 - Water Control Struc



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0565 - MP 0.29 - Begin Section 003

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0569 - MP 0.3 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T402**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0568 - MP 0.42 - Bridge

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0588 - MP 0.0 - Trailhead, Gate

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0573 - MP 0.0 - Sign

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0574 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0572 - MP 0.01 - Sign

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0579 - MP 0.72 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0581 - MP 0.74 - Sign (mislabled sign)

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0582 - MP 0.79 - Sign (mislabled sign)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T403**

STATION: Minnesota Valley NWR

DATE: 7/19/2006



Photo # 0583 - MP 0.79 - Other (Trail indistinguishable)

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0543 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0544 - MP 0.0 - Sign

TRAIL NUMBER: T500

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0545 - MP 0.04 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0550 - MP 0.04 - Begin Section 002, Drain: Rock

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0551 - MP 0.08 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0552 - MP 0.1 - Other (Interpretative Area seating), Bench

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0553 - MP 0.23 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0554 - MP 0.25 - Erosion Deficiency

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0555 - MP 0.35 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0556 - MP 0.41 - Sign (Grouped Feature)

TRAIL NUMBER: **T500**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0557 - MP 0.42 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0546 - MP 0.0 - Trailhead

TRAIL NUMBER: **T501**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0548 - MP 0.04 - Erosion Deficiency

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0547 - MP 0.05 - Begin Section 002

TRAIL NUMBER: **T501**

STATION: Minnesota Valley NWR

DATE: 7/18/2006



Photo # 0549 - MP 0.09 - Erosion Deficiency



# **The Trail Inventory of Morris Watershed Management District Morris, Minnesota**



**Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
July, 2006**



# Morris WMD

## 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%		0%		0%	0.00
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt	0.09	4%		0%		0%		0%		0%		0%	0.09
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	2.33	96%		0%		0%		0%		0%		0%	2.33
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	2.42	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	2.42

### 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	2.33	96%		0%		0%		0%		0%		0%	2.33
TC5	0.09	4%		0%		0%		0%		0%		0%	0.09
Totals	2.42	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	2.42

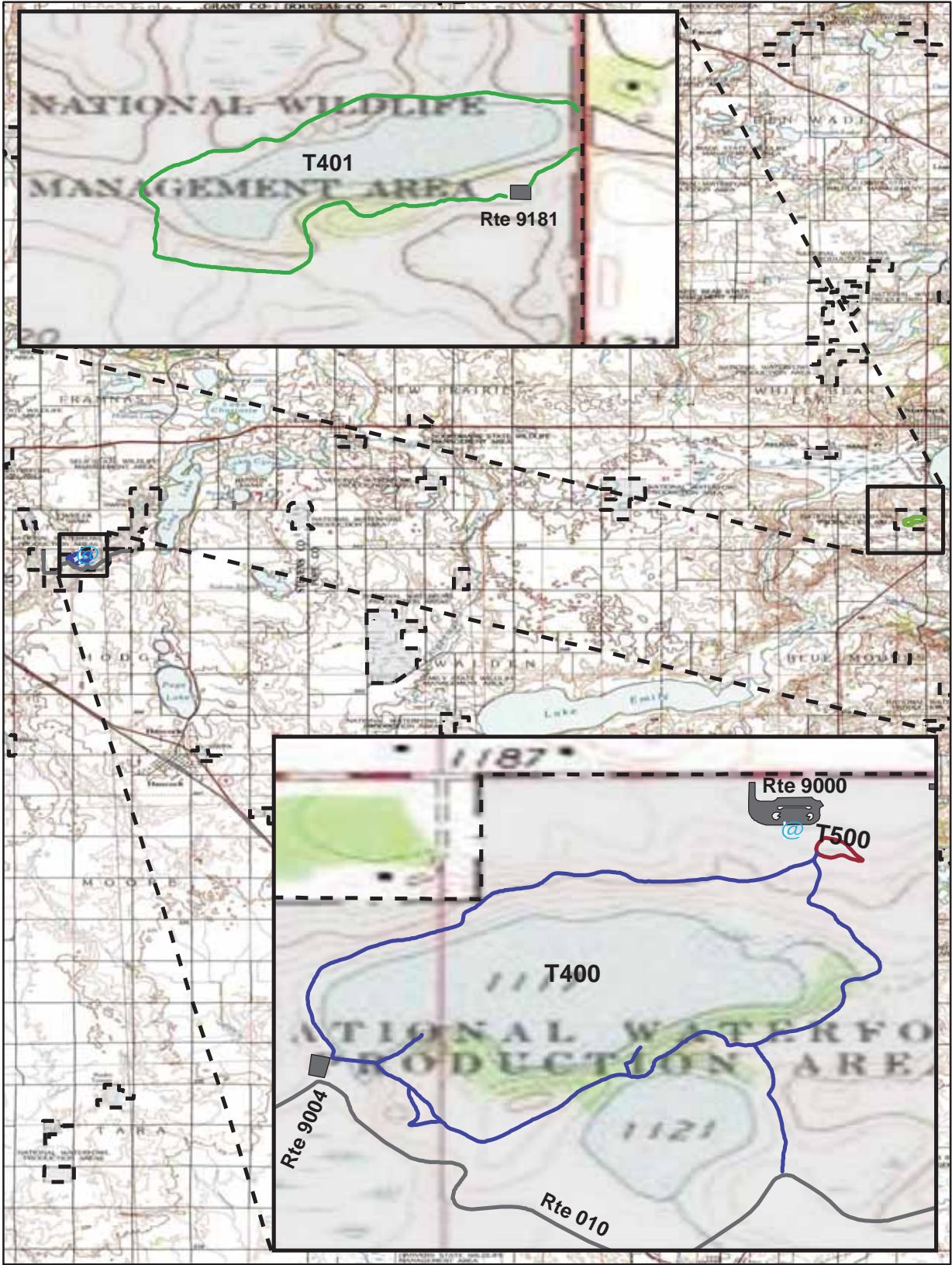
\* Admin Roads are included in the inventory but are not rated for condition.



## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Sign	1	No	0.00	1222
T400	Sign	1	No	0.17	1224
T400	Bench	1	No	0.27	N/A
T400	Sign	2	No	0.51	1225
T400	Sign	1	No	0.51	1226
T400	Bridge -sf	500	No	0.53	1227
T400	Sign	2	No	0.54	1228
T400	Sign	3	No	0.59	1230 - 1232
T400	Lookout/Ob Deck	1	No	0.59	N/A
T400	Bench	1	No	0.59	N/A
T400	Sign	1	No	0.78	1237
T400	Bridge -sf	28	No	0.80	1236
T400	Bench	1	No	0.84	N/A
T400	Sign	2	No	0.90	1240
T400	Lookout/Ob Deck	1	No	0.96	N/A
T400	Bridge -sf	180	No	1.02	1243
T400	Sign	1	No	1.03	1242
T401	Sign	1	No	0.00	1244
T500	Sign	1	No	0.00	1221
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					

# MORRIS WETLAND MANAGEMENT DISTRICT TRAIL LOCATION MAP



Station Boundary

@ HQ/VC

0 2.5 5 Miles



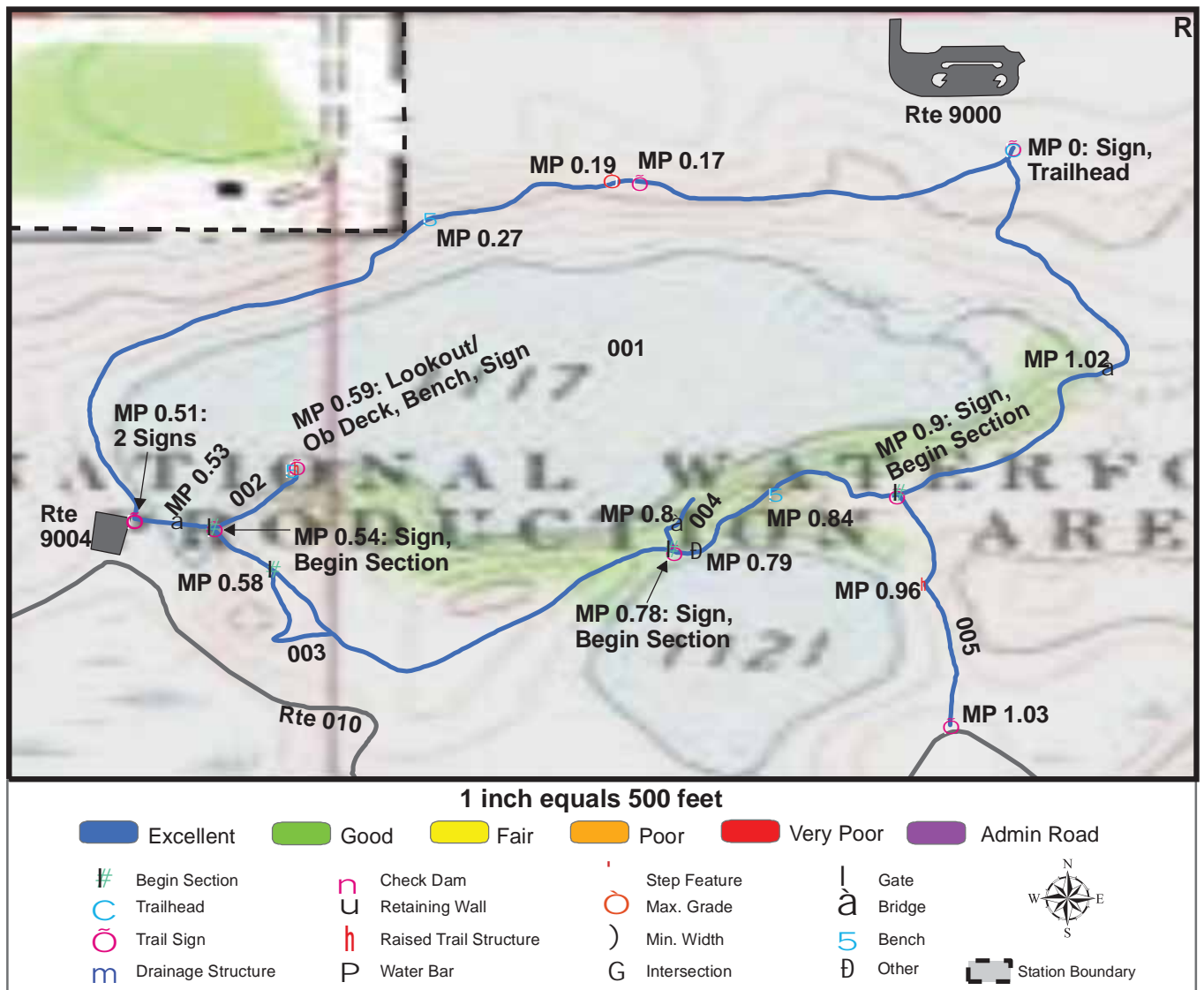
## TRAILS ID

**Station Name: Morris WMD**

**Org. Code: 32581**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Prairie Pothole Trail	Mowed	10054546	1.42	From Morris District Office parking (Rte 9000) to end of loop.
T401	Froland Nature Trail	Mowed	10011958	0.91	From Froland parking (Rte 9181) to end of loop
T500	Prairie Pothole Handicap Accessible Trail	Ashpalt	10054545	0.09	From Morris District Office parking (Rte 9000) to end of loop.

# TRAIL CONDITION



**Trail Name:** Prairie Pothole Trail

**Refuge Name:** Morris WMD

**Trail Number:** T400

**Region:** 3

**TOTAL LENGTH:** 1.42 Miles

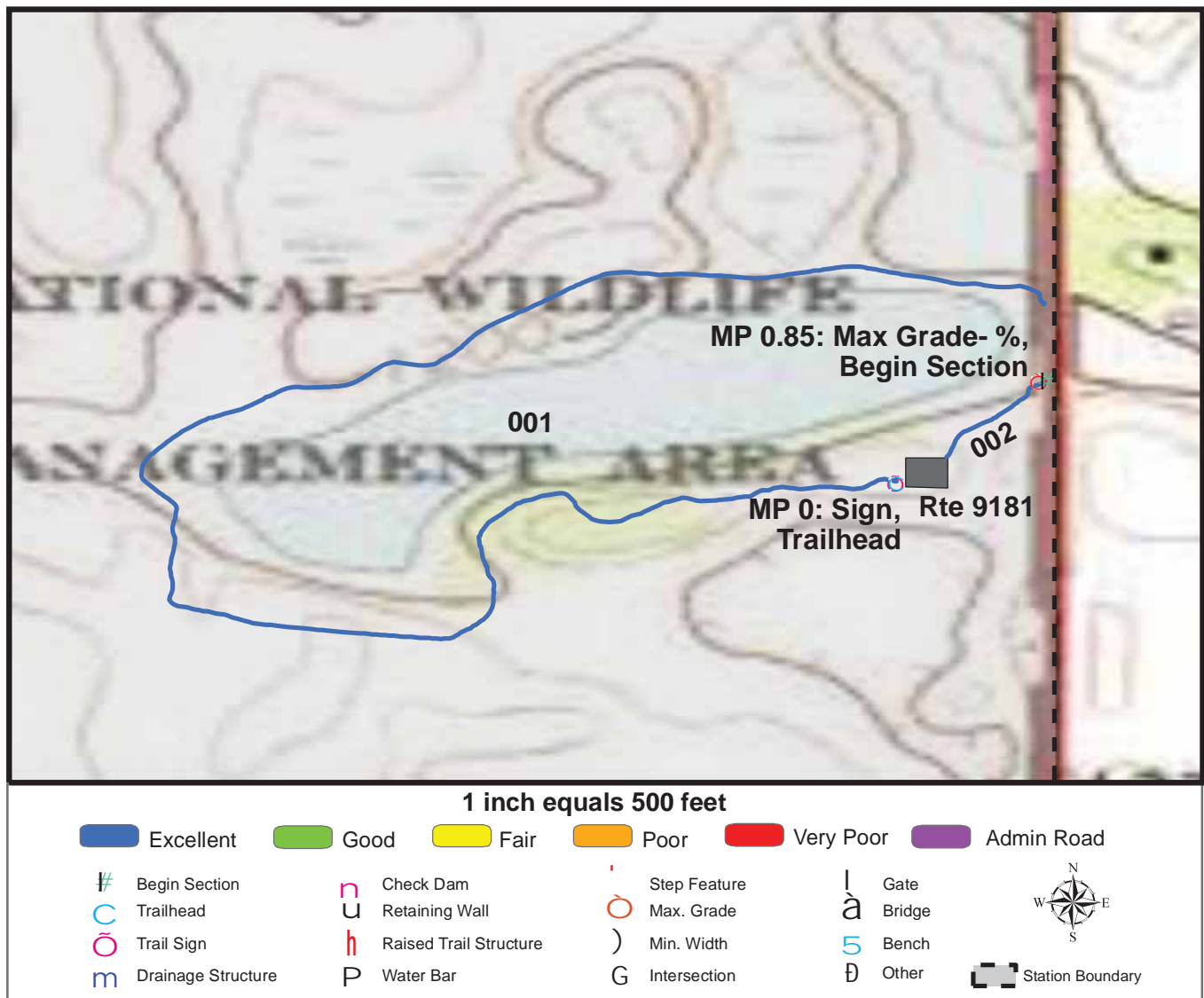
Section Number	001	002	003	004	005
Section Length (miles)	1.15	0.05	0.06	0.03	0.13
SAMMS Number	10054546	10054546	10054546	10054546	10054546
Rating Date	7/15/2006	7/15/2006	7/15/2006	7/15/2006	7/15/2006
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4	TC4	TC4
Surface Type	Mowed	Mowed	Mowed	Mowed	Mowed
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	72	84	77	84	72
Average Grade (%)	9.6	9.6	9.6	9.6	9.6
Average X-slope (%)	5	5	5	5	5
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	\$0
CRV	\$90800	\$2100	\$2800	\$3400	\$5400
FCI	0	0	0	0	0
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$104500	0	Excellent



TRAIL CONDITION



Trail Name: Froland Nature Trail

Refuge Name: Morris WMD

Trail Number: T401

Region: 3

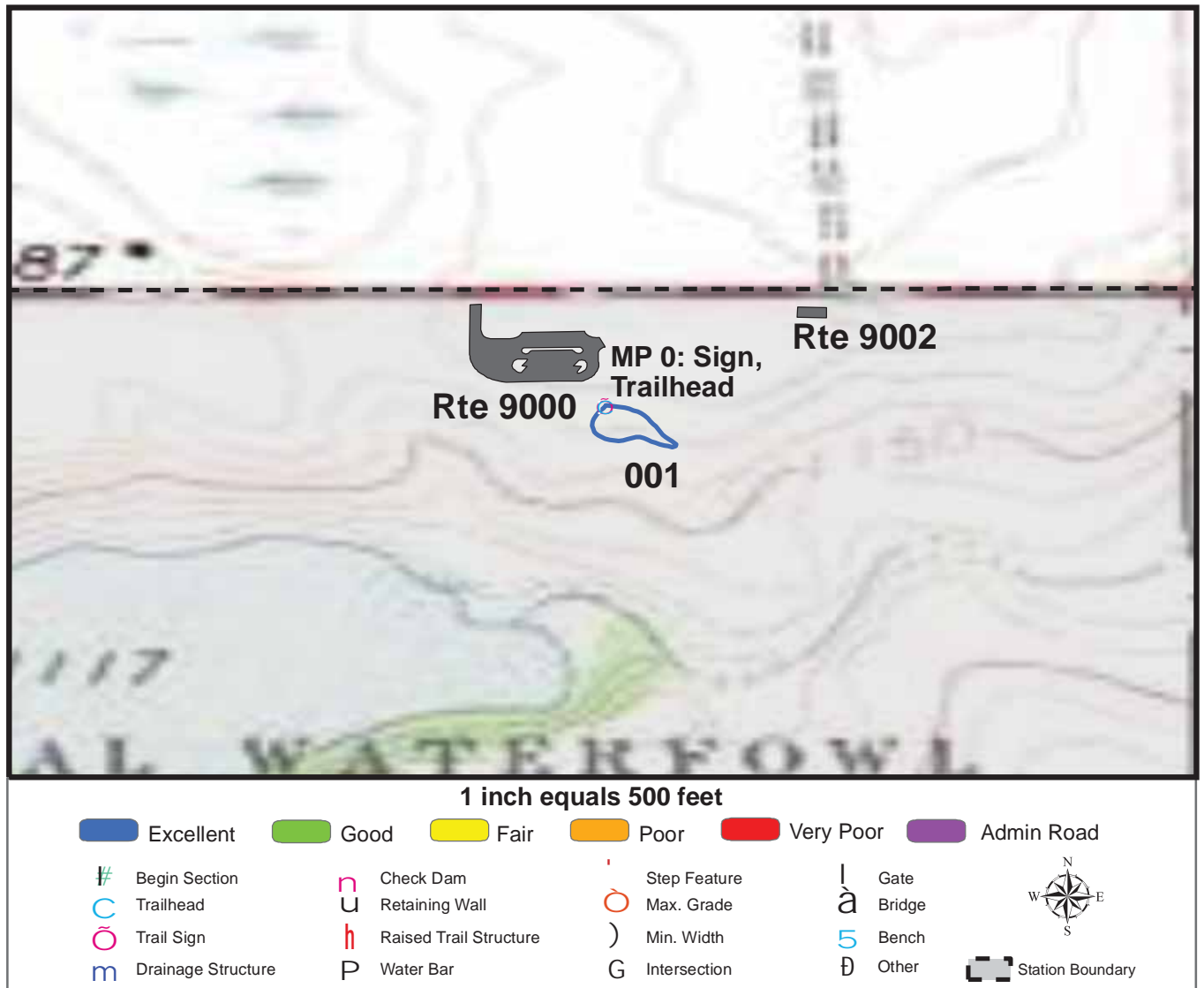
TOTAL LENGTH: 0.91 Miles

Section Number	001	002			
Section Length (miles)	0.85	0.06			
SAMMS Number	10011958	10011958			
Rating Date	7/15/2006	7/15/2006			
<b>Trail Section Information</b>					
Trail Class	TC4	TC4			
Surface Type	Mowed	Mowed			
Surface Firmness	Firm	Firm			
Width (inches)	60	60			
Average Grade (%)	7.5	7.5			
Average X-slope (%)	7.6	7.6			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$28300	\$2000			
FCI	0	0			
Condition	Excellent	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$30300	0	Excellent

# TRAIL CONDITION



**Trail Name:** Prairie Pothole Handicap Accessible    **Refuge Name:** Morris WMD

**Trail Number:** T500

**Region:** 3

**TOTAL LENGTH:** 0.09 Miles

Section Number	001				
Section Length (miles)	0.09				
SAMMS Number	10054545				
Rating Date	7/15/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Asphalt				
Surface Firmness	Paved				
Width (inches)	96				
Average Grade (%)	4.1				
Average X-slope (%)	5.4				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$26700				
FCI	0				
Condition	Excellent				

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$26700	0	Excellent



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1223 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1222 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1224 - MP 0.17 - Sign

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1225 - MP 0.51 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1226 - MP 0.51 - Sign

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1227 - MP 0.53 - Bridge

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1228 - MP 0.54 - Sign

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1229 - MP 0.54 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1233 - MP 0.58 - Begin Section 003

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1230 - 1232 - MP 0.59 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1235 - MP 0.78 - Begin Section 004

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1237 - MP 0.78 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1236 - MP 0.8 - Bridge

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1240 - MP 0.9 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1241 - MP 0.9 - Begin Section 005

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1243 - MP 1.02 - Bridge



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1242 - MP 1.03 - Sign

TRAIL NUMBER: **T401**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1245 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1244 - MP 0.0 - Sign

TRAIL NUMBER: **T401**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1246 - MP 0.85 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1220 - MP 0.0 - Trailhead

TRAIL NUMBER: **T500**

STATION: Morris WMD

DATE: 7/15/2006



Photo # 1221 - MP 0.0 - Sign

# **The Trail Inventory of Rydell National Wildlife Refuge Erskine, Minnesota**



**Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
July, 2006**





# Rydell 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%		0%		0%	0.00
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt	3.95	80%		0%		0%		0%		0%		0%	3.95
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.27	5%		0%		0%		0%		0%		0%	0.27
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Admin Road		0%		0%		0%		0%		0%	0.71	14%	0.71
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	4.22	86%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.71	14%	4.93

### 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	1.09	22%		0%		0%		0%		0%	0.71	14%	1.80
TC5	3.13	63%		0%		0%		0%		0%		0%	3.13
Totals	4.22	86%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.71	14%	4.93

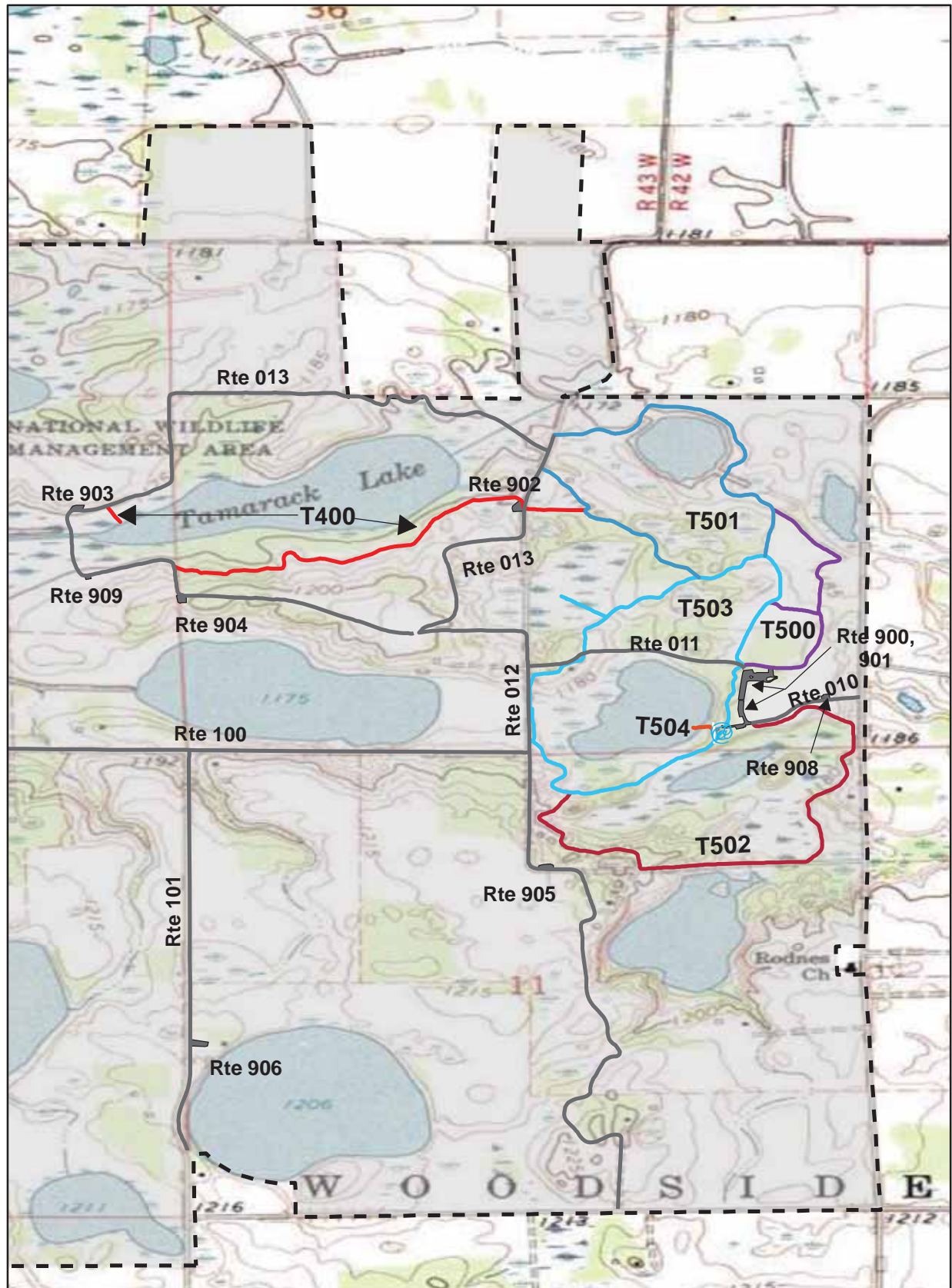
\* Admin Roads are included in the inventory but are not rated for condition

## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Sign	1		0.10	1073
T400	Bench	1		0.71	N/A
T400	Lookout/Ob Deck	1		0.75	N/A
T500	Sign	1		0.01	1060
T500	Bench	1		0.22	N/A
T500	Sign	1		0.48	1062
T501	Sign	1		0.00	1064
T501	Bench	1		0.00	N/A
T501	Sign	8	Yes	0.04	1066
T501	Sign	1		0.08	1067
T501	Culvert -lf	30		0.20	N/A
T501	Lookout/Ob Deck	1		0.22	N/A
T501	Culvert -lf	20		0.52	N/A
T501	Sign	1		0.64	1070
T501	Lookout/Ob Deck	1		0.64	N/A
T501	Sign	1		1.01	1071
T502	Sign	1		0.00	1080
T502	Bench	1		0.00	N/A
T502	Lookout/Ob Deck	1		0.29	N/A
T502	Culvert -lf	20		0.58	N/A
T502	Culvert -lf	15		0.86	N/A
T502	Sign	1		1.05	1081
T503	Sign	2		0.01	1083
T503	Sign	1		0.01	1084
T503	Sign	1		0.25	1085
T503	Lookout/Ob Deck	1		0.25	N/A
T503	Sign	2	Yes	0.38	1086
T503	Sign	1		0.49	1087
T503	Bench	1		0.49	N/A
T503	Lookout/Ob Deck	1		0.58	N/A
T503	Culvert -lf	10		0.67	N/A
T503	Sign	1		0.68	1089
T503	Bench	1		0.68	N/A
T503	Bench	1		0.94	N/A
T503	Culvert -lf	20		1.35	N/A
T503	Sign	2		1.41	1092
T503	Sign	1		1.41	1093
T503	Sign	1		1.43	1094
T504	Sign	1		0.00	1096
T504	Sign	1		0.04	1100
T504	Bench	2		0.04	N/A
<b>sf-square feet</b> <b>lf-linear feet</b> <b>cf-cubic feet</b>					



# RYDELL NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



## TRAILS ID

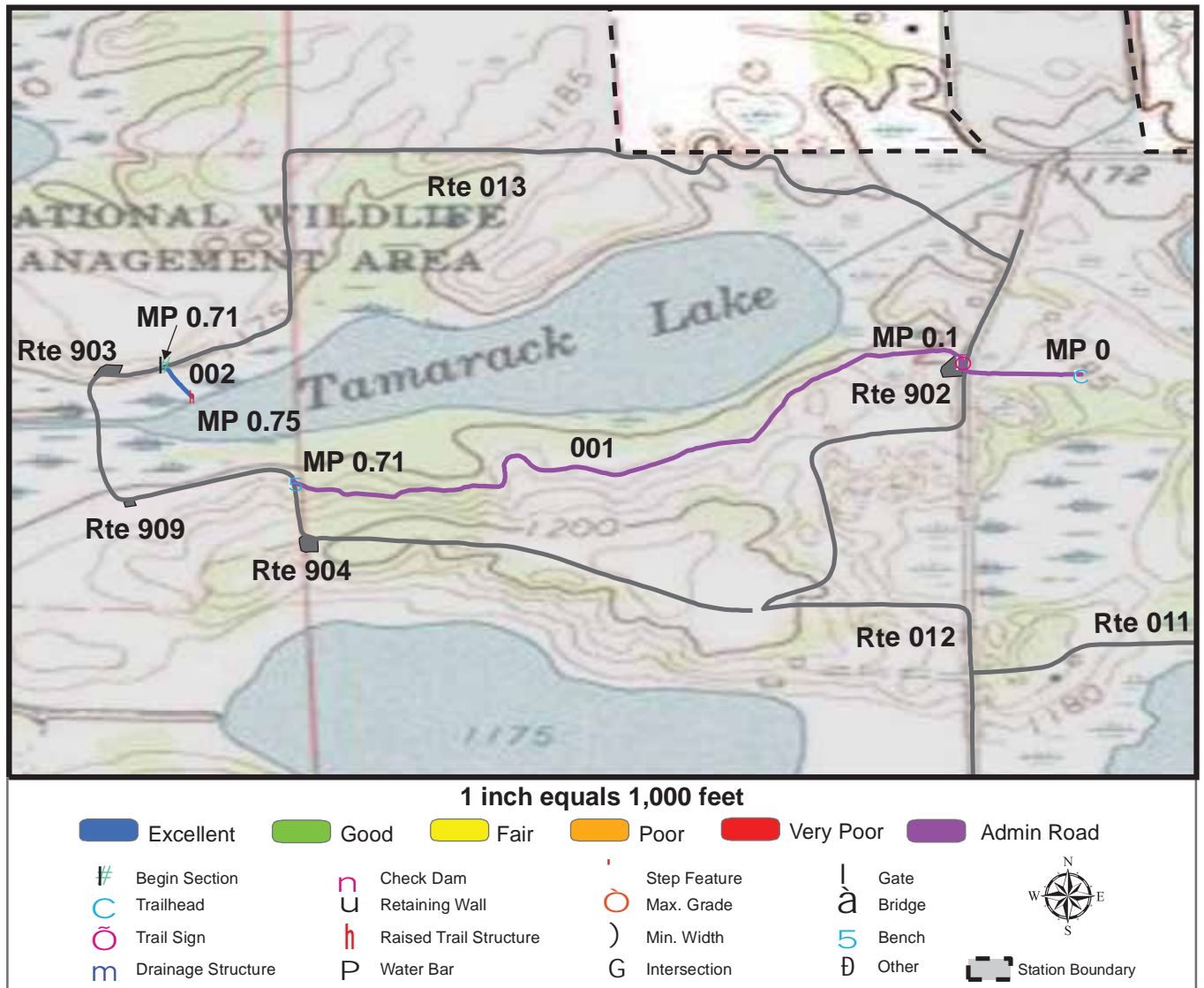
**Station Name: Rydel NWR**

**Org. Code: 32583**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Tamarac Lake Trail	Admin Road / Boardwalk	10012045	0.75	From Trailhead to Auto Tour Road (Rte 013)
T500	Rice Lake	Asphalt	10053158	0.57	From Trailhead to Golden Pond Trail
T501	Round Lake Trail	Asphalt	10053159	1.01	From Trailhead to Golden Pond Trail
T502	Church Lake Trail	Asphalt	10012045	1.05	From Trailhead to Headquarters Parking (Rte 900)
T503	Golden pond trail	Asphalt / Boardwalk	10053157	1.51	From Trailhead to Headquarters Parking Lot (Rte 900)
T504	Golden Pond Observation Deck Trail	Boardwalk	N/A	0.04	From Headquarters to end



# TRAIL CONDITION



**Trail Name:** Tamarac Lake Trail

**Refuge Name:** Rydell NWR

**Trail Number:** T400

**Region:** 3

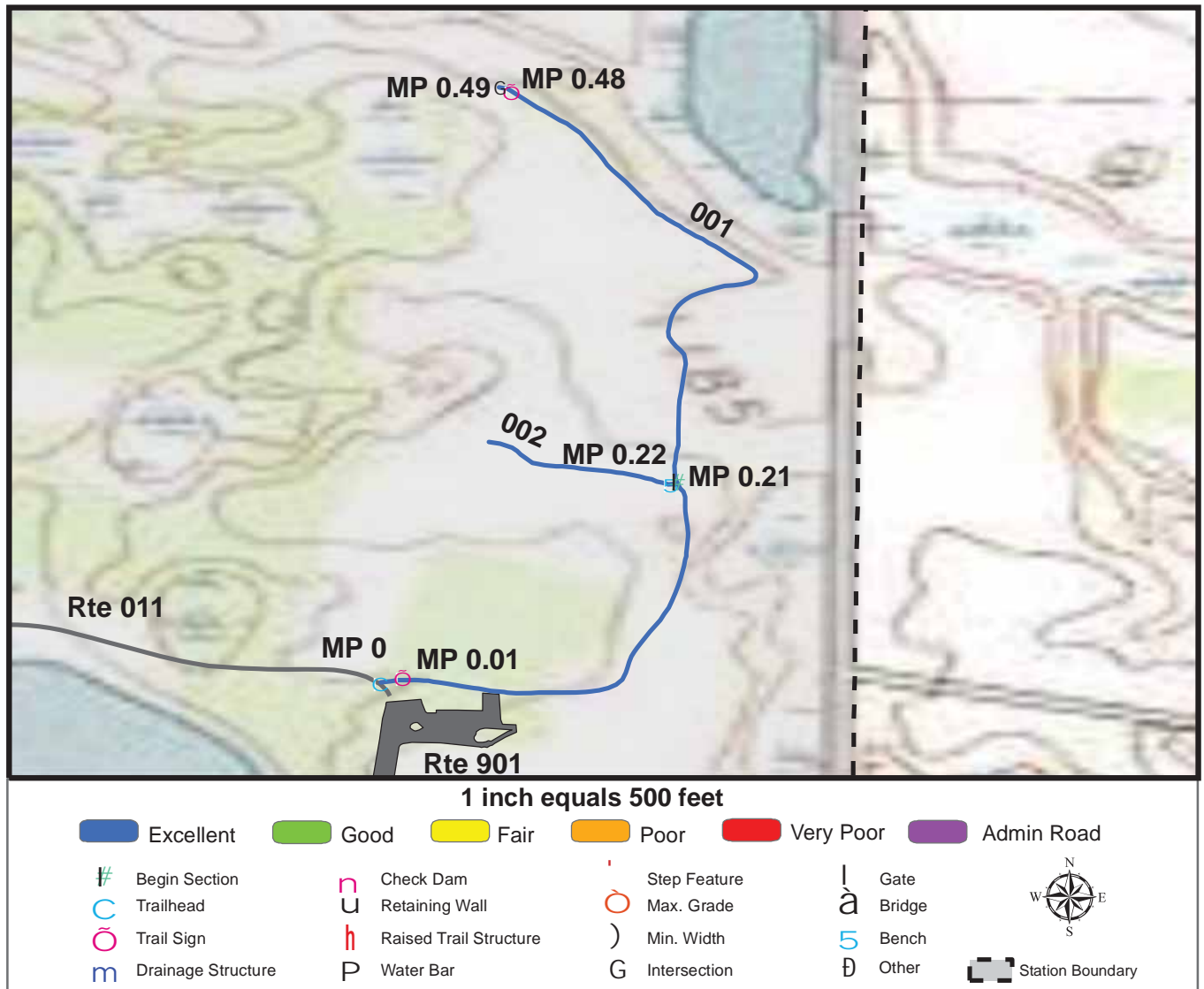
**TOTAL LENGTH:** 0.75 Miles

Section Number	001	002			
Section Length (miles)	0.71	0.04			
SAMMS Number	10012045	10012045			
Rating Date	7/11/2006	7/11/2006			
<b>Trail Section Information</b>					
Trail Class	TC4	TC4			
Surface Type	Admin Road	Boardwalk			
Surface Firmness	Firm	Hard			
Width (inches)	140	60			
Average Grade (%)	2.6	2.6			
Average X-slope (%)	3.5	3.5			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$0	\$28600			
FCI	0	0			
Condition	Not Rated	Excellent			

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$28600	0	Excellent

## TRAIL CONDITION



**Trail Name:** Rice Lake

Refuge Name: Rydell NWR

**Trail Number: T500**

Region: 3

**TOTAL LENGTH: 0.57 Miles**

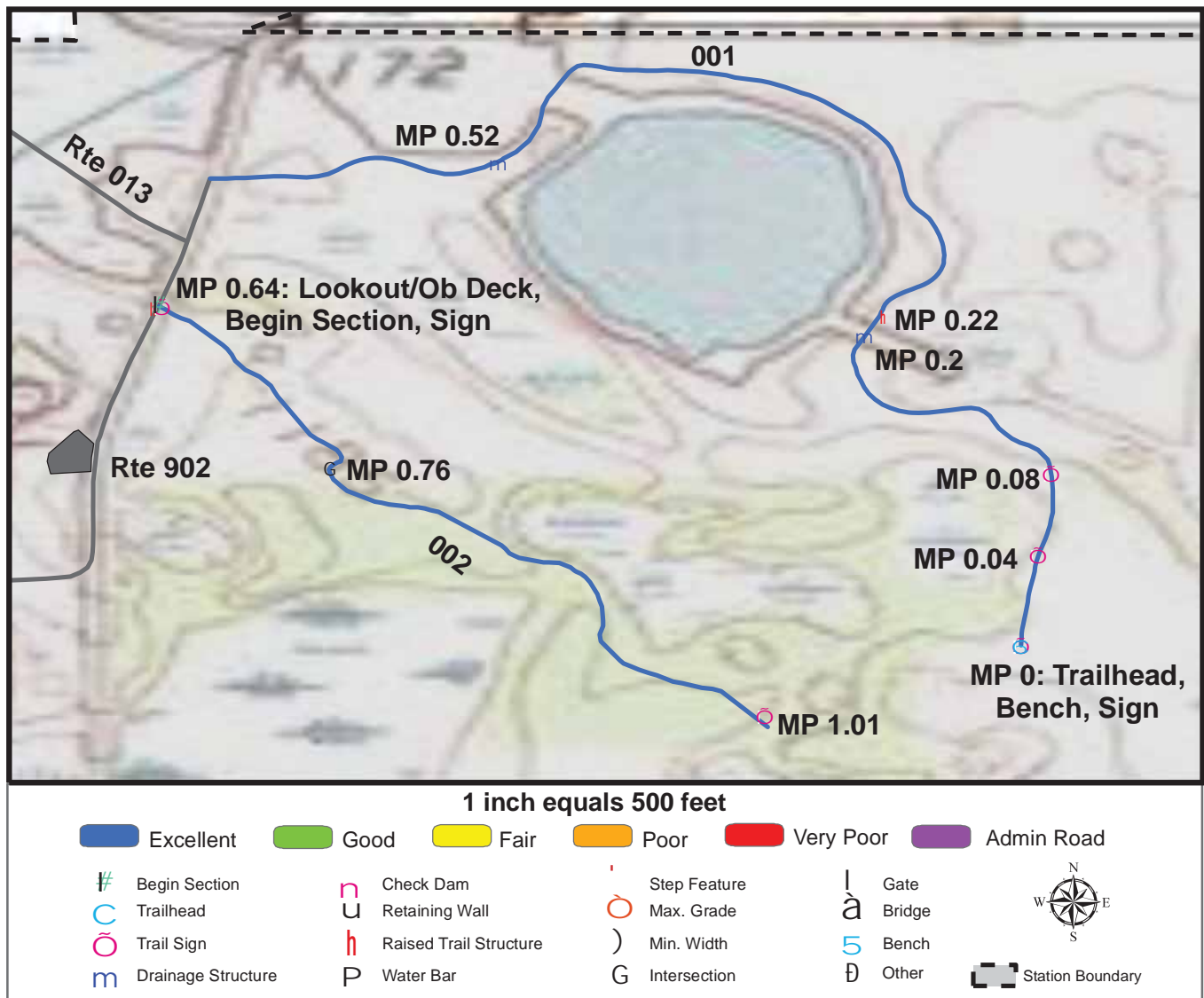
Section Number	001	002			
Section Length (miles)	0.49	0.08			
SAMMS Number	10053158	10053158			
Rating Date	7/11/2006	7/11/2006			
<b>Trail Section Information</b>					
Trail Class	TC5	TC5			
Surface Type	Asphalt	Asphalt			
Surface Firmness	Paved	Paved			
Width (inches)	100	108			
Average Grade (%)	2	2			
Average X-slope (%)	2.3	2.3			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$153500	\$26200			
FCI	0	0			
Condition	Excellent	Excellent			

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$179700	0	Excellent



TRAIL CONDITION



Trail Name: Round Lake Trail

Refuge Name: Rydell NWR

Trail Number: T501

Region: 3

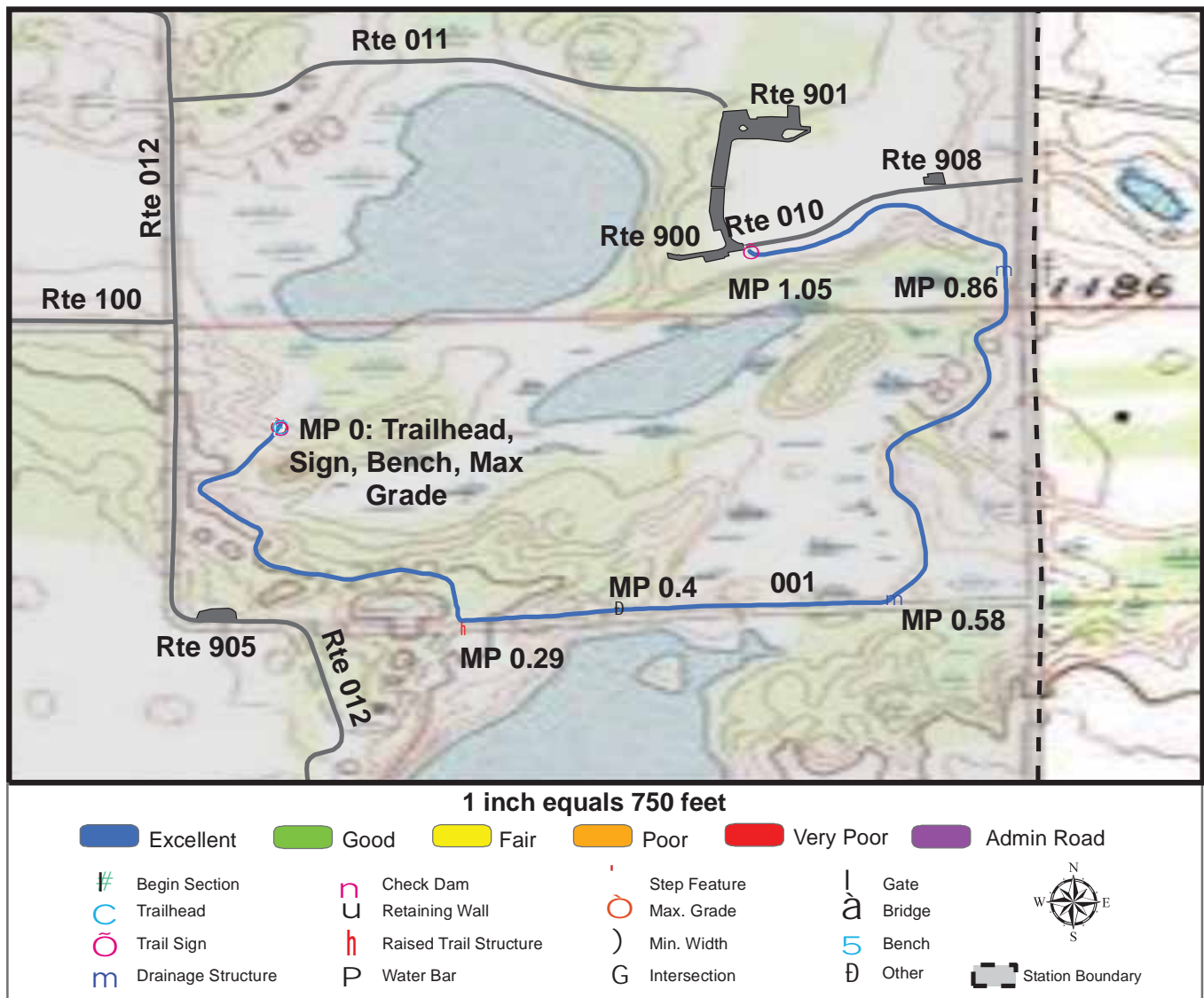
TOTAL LENGTH: 1.01 Miles

Section Number	001	002			
Section Length (miles)	0.65	0.36			
SAMMS Number	10053159	10053159			
Rating Date	7/11/2006	7/11/2006			
<b>Trail Section Information</b>					
Trail Class	TC5	TC5			
Surface Type	Asphalt	Asphalt			
Surface Firmness	Paved	Paved			
Width (inches)	108	108			
Average Grade (%)	1.5	1.5			
Average X-slope (%)	1.8	1.8			
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0			
CRV	\$226100	\$120300			
FCI	0	0			
Condition	Excellent	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$346400	0	Excellent

TRAIL CONDITION



Trail Name: Church Lake Trail

Refuge Name: Rydell NWR

Trail Number: T502

Region: 3

TOTAL LENGTH: 1.05 Miles

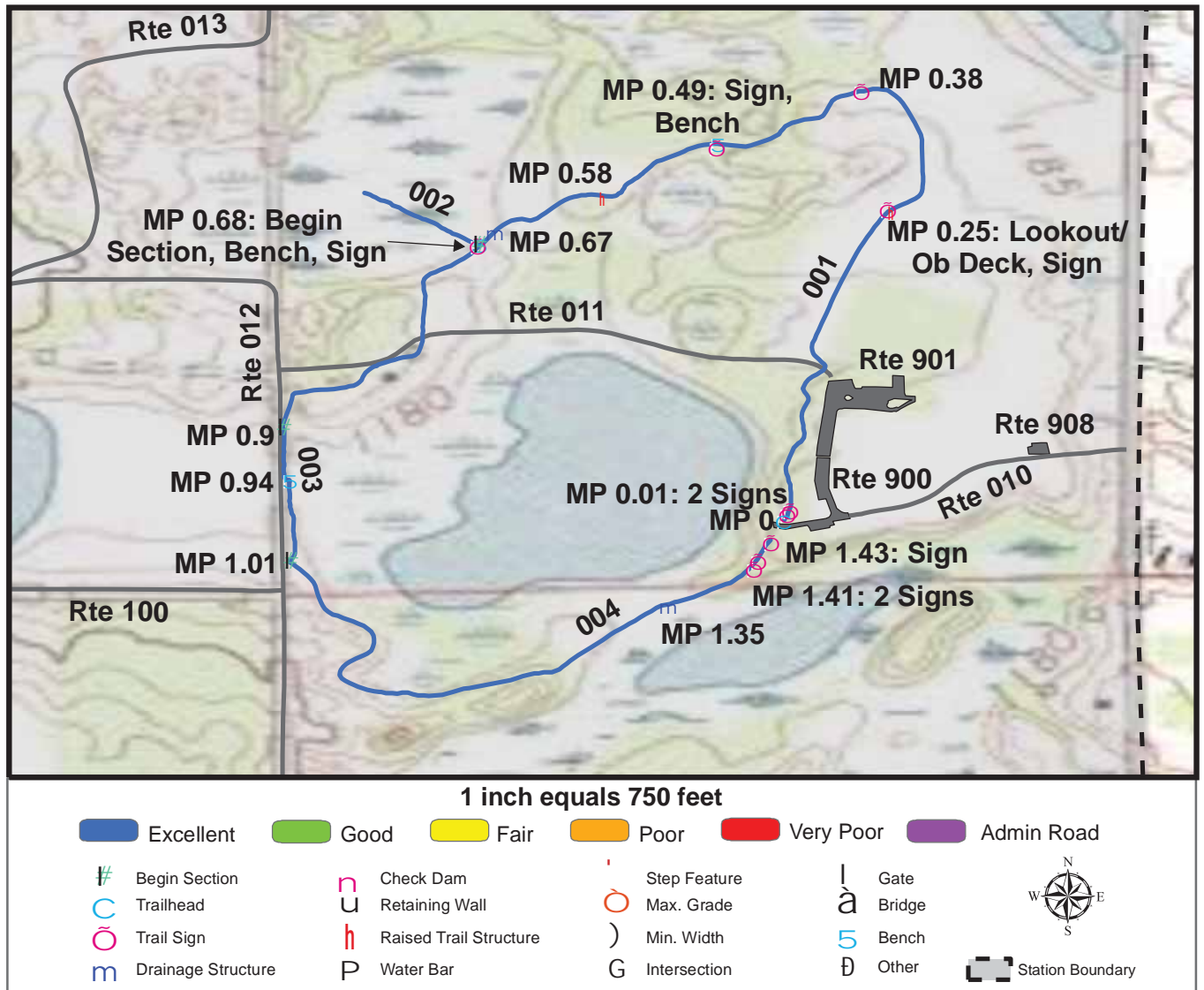
Section Number	001				
Section Length (miles)	1.05				
SAMMS Number	10012045				
Rating Date	7/11/2006				
<b>Trail Section Information</b>					
Trail Class	TC4				
Surface Type	Asphalt				
Surface Firmness	Hard				
Width (inches)	102				
Average Grade (%)	4.3				
Average X-slope (%)	1.6				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$337300				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$337300	0	Excellent



# TRAIL CONDITION



**Trail Name:** Golden pond trail

**Refuge Name:** Rydell NWR

**Trail Number:** T503

**Region:** 3

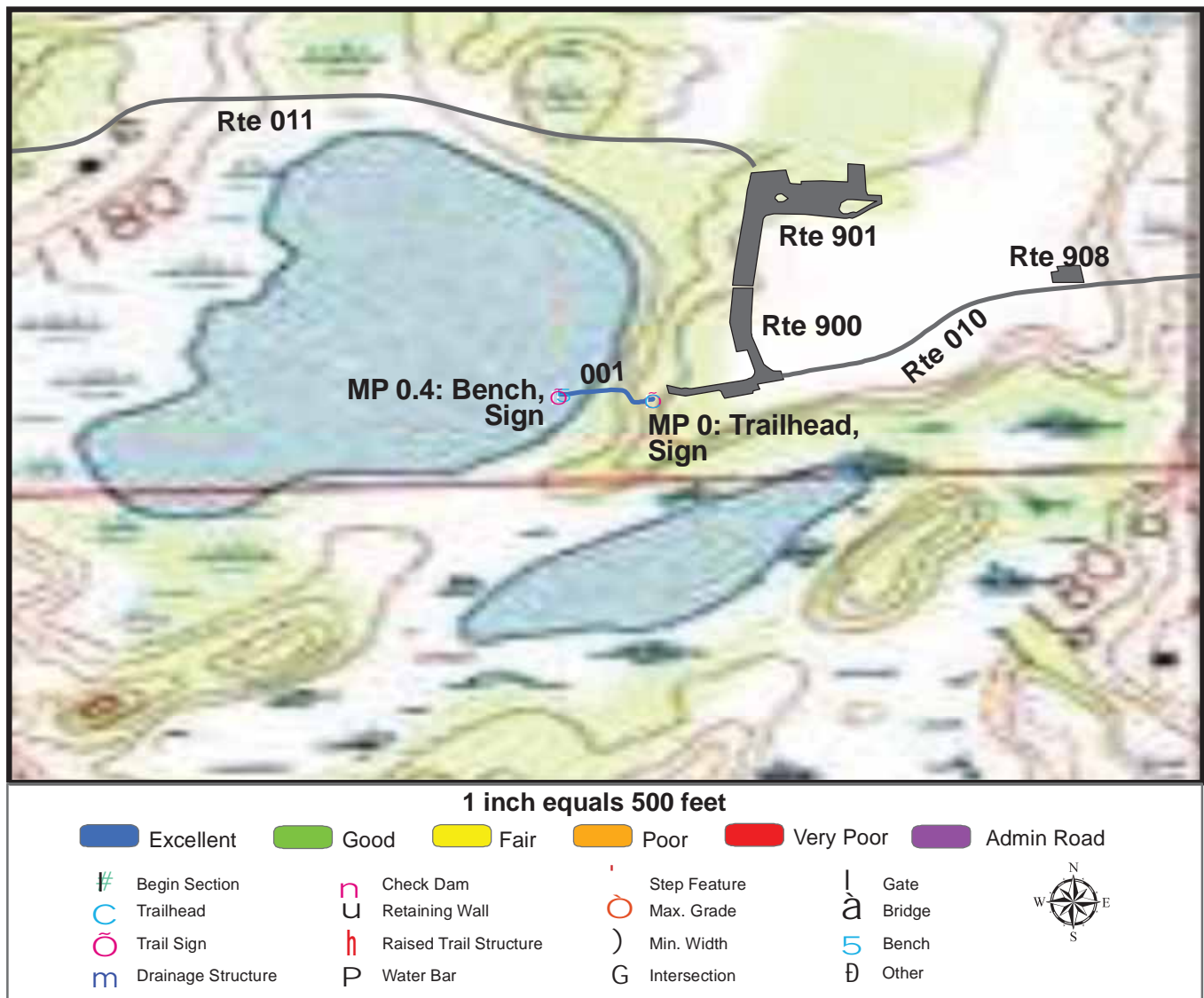
**TOTAL LENGTH:** 1.51 Miles

Section Number	001	002	003	004	
Section Length (miles)	0.9	0.08	0.11	0.42	
SAMMS Number	10053157	10053157	10053157	10053157	
Rating Date	7/11/2006	7/11/2006	7/11/2006	7/11/2006	
<b>Trail Section Information</b>					
Trail Class	TC5	TC5	TC5	TC5	
Surface Type	Asphalt	Boardwalk	Boardwalk	Asphalt	
Surface Firmness	Paved	Hard	Hard	Paved	
Width (inches)	100	60	60	100	
Average Grade (%)	2.9	2.9	2.9	2.9	
Average X-slope (%)	2.6	2.6	2.6	2.6	
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	
CRV	\$281900	\$58000	\$82700	\$134500	
FCI	0	0	0	0	
Condition	Excellent	Excellent	Excellent	Excellent	

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$557100	0	Excellent

TRAIL CONDITION



Trail Name: Golden Pond Observation Deck Tr      Refuge Name: Rydell NWR  
Trail Number: T504      Region: 3      TOTAL LENGTH: 0.04 Miles

Section Number	001				
Section Length (miles)	0.04				
SAMMS Number					
Rating Date	7/11/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Boardwalk				
Surface Firmness	Hard				
Width (inches)	59				
Average Grade (%)	2.2				
Average X-slope (%)	1.3				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$28500				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$28500	0	Excellent



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1072 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1073 - MP 0.1 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1076 - MP 0.71 - Begin Section 002

TRAIL NUMBER: **T500**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1059 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1060 - MP 0.01 - Sign

TRAIL NUMBER: **T500**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1061 - MP 0.21 - Begin Section 002

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1062 - MP 0.48 - Sign

TRAIL NUMBER: **T500**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1063 - MP 0.49 - Intersection



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1065 - MP 0.0 - Trailhead

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1064 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1066 - MP 0.04 - Sign (Grouped feature)

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1067 - MP 0.08 - Sign



## PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1070 - MP 0.64 - Sign

TRAIL NUMBER: **T501**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1071 - MP 1.01 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T502**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1079 - MP 0.0 - Trailhead

TRAIL NUMBER: **T502**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1080 - MP 0.0 - Sign



## PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T502**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1081 - MP 1.05 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1082 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1083 - MP 0.01 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1084 - MP 0.01 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1085 - MP 0.25 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1086 - MP 0.38 - Sign (Grouped feature)

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1087 - MP 0.49 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1088 - MP 0.68 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1089 - MP 0.68 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1090 - MP 0.9 - Begin Section 003

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1091 - MP 1.01 - Begin Section 004

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1092 - MP 1.41 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1093 - MP 1.41 - Sign

TRAIL NUMBER: **T503**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1094 - MP 1.43 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T504**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1095 - MP 0.0 - Trailhead

TRAIL NUMBER: **T504**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1096 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T504**

STATION: Rydell NWR

DATE: 7/11/2006



Photo # 1100 - MP 0.04 - Sign

# **The Trail Inventory of Sherburne National Wildlife Refuge Zimmerman, Minnesota**



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





# Sherburne 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	5.71	61%		0%		0%		0%		0%		0%	5.71
Gravel		0%		0%		0%		0%		0%		0%	0.00
Asphalt	0.14	1%		0%		0%		0%		0%		0%	0.14
Concrete		0%		0%		0%		0%		0%		0%	0.00
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.03	0%		0%		0%		0%		0%		0%	0.03
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	3.55	38%		0%		0%		0%		0%		0%	3.55
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	9.43	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	9.43

### 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	0.18	2%		0%		0%		0%		0%		0%	0.18
TC3	9.08	96%		0%		0%		0%		0%		0%	9.08
TC4		0%		0%		0%		0%		0%		0%	0.00
TC5	0.17	2%		0%		0%		0%		0%		0%	0.17
Totals	9.43	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	9.43

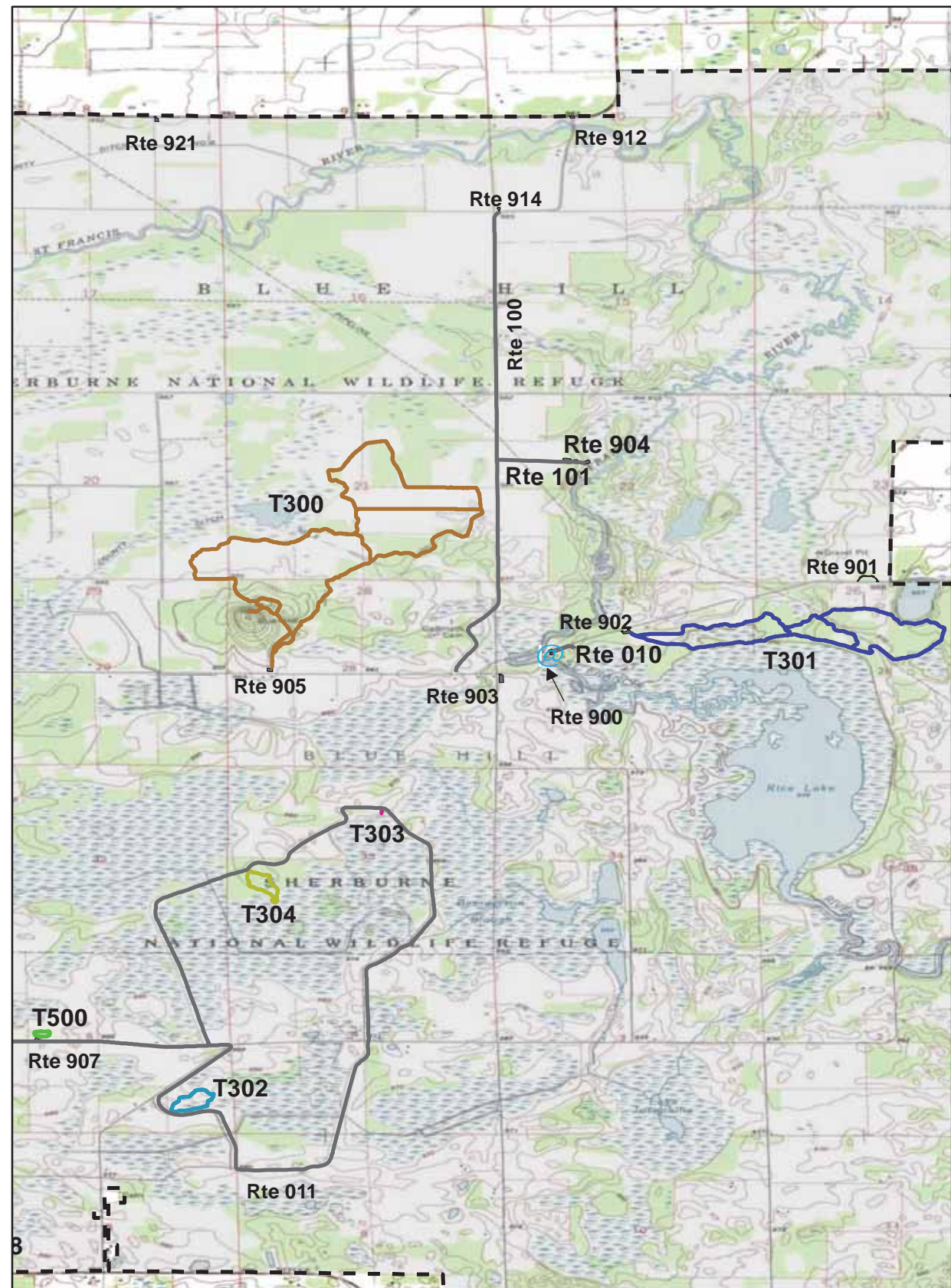
\* Admin Roads are included in the inventory but are not rated for condition.

## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Sign	4	Yes	0.00	1259
T300	Sign	32	Yes	0.01	1261
T300	Sign	1	No	0.01	1261
T300	Sign	4	Yes	0.07	1262
T300	Bench	1	No	0.37	N/A
T300	Bridge -sf	145	No	0.75	1263
T300	Bench	1	No	0.76	N/A
T300	Bench	1	No	1.03	N/A
T300	Bench	1	No	2.06	N/A
T300	Bench	1	No	2.41	N/A
T300	Bridge -sf	230	No	2.99	1268
T300	Bench	1	No	3.19	N/A
T300	Sign	1	No	4.00	1271
T300	Sign	1	No	4.06	1272
T300	Lookout/Ob Deck	1	No	4.11	N/A
T300	Bench	1	No	4.11	N/A
T300	Sign	1	No	4.16	1274
T301	Sign	24	Yes	0.00	003
T301	Gate	1	No	0.00	N/A
T301	Sign	4	Yes	0.01	005
T301	Sign	1	No	0.06	006
T301	Bench	1	No	0.22	N/A
T301	Bridge -sf	390	No	0.49	007
T301	Bridge -sf	40	No	0.51	008
T301	Sign	4	Yes	0.67	015
T301	Bench	1	No	0.90	N/A
T301	Bench	1	No	1.26	N/A
T301	Bench	1	No	1.51	N/A
T301	Bench	1	No	2.03	N/A
T301	Bench	1	No	2.62	N/A
T302	Sign	1	No	0.00	017-018
T302	Bench	1	No	0.23	N/A
T303	Bench	1	No	0.02	N/A
T303	Lookout/Ob Deck	1	No	0.02	N/A
T304	Sign	2	No	0.00	033, 034
T500	Sign	1	No	0.00	036-038
T500	Bench	1	No	0.00	N/A
T500	Bench	1	No	0.00	N/A
T500	Sign	1	No	0.02	040
T500	Bench	1	No	0.02	N/A
T500	Lookout/Ob Deck	1	No	0.02	N/A
sf-square feet					
lf-linear feet					
cf-cubic feet					




# SHERBURNE NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

 HQ/VC

 Miles  
0 0.9 1.8

## TRAILS ID

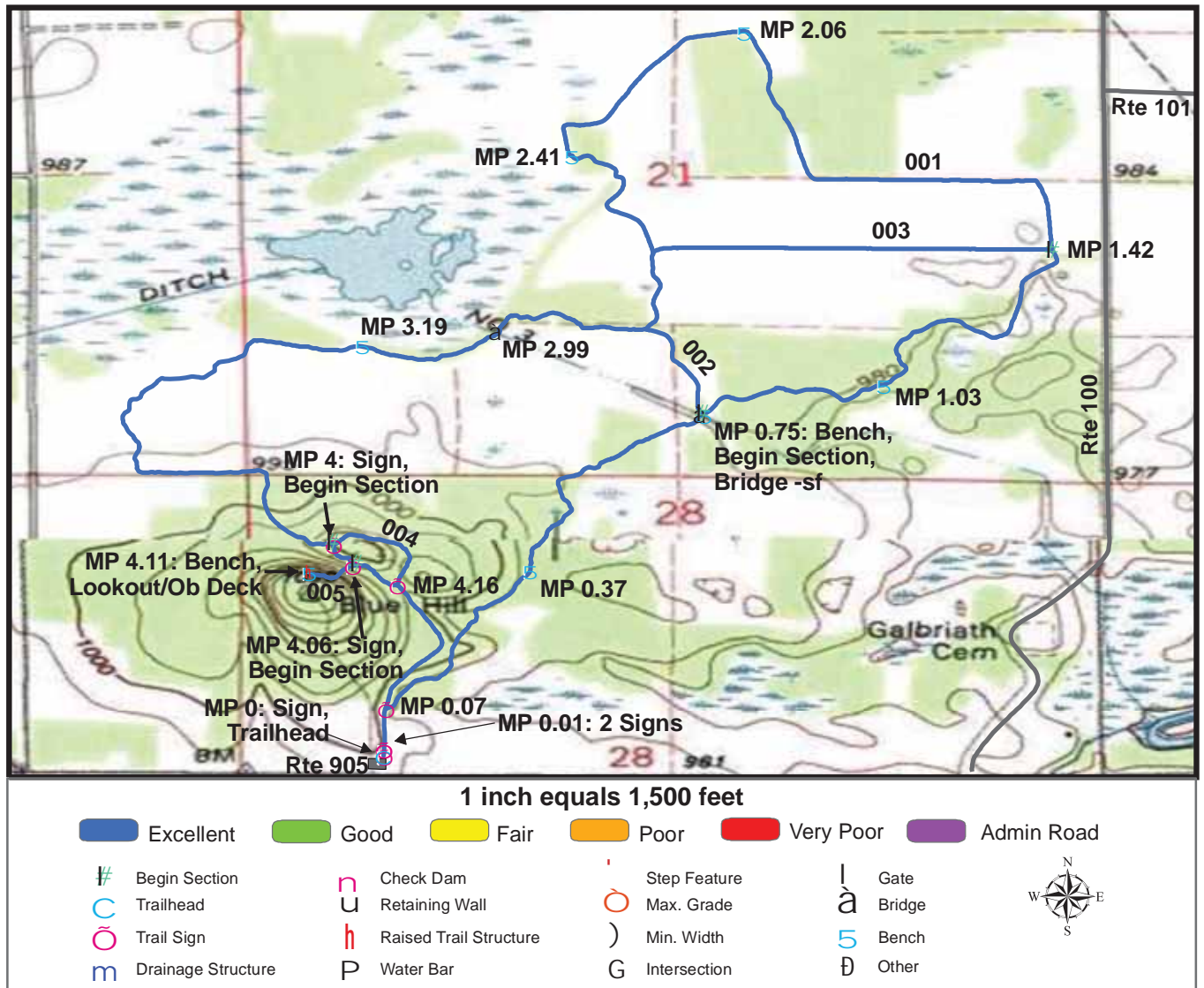
**Station Name: Sherburne NWR**

**Org. Code: 32550**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Blue Hill Trail	Native	10011586	5.21	From Blue Hill parking lot (Rte 905) to end of loop
T301	Mahomen Trail	Mowed	10011521	3.13	From Manohmen Trail parking lot (Rte 902) to end of loop
T302	Praire Trail	Mowed, Boardwalk		0.45	From Auto Tour Rd (Rte 011) to end of loop
T303	Nelson Pool #13 Trail	Native	1001569	0.02	From Auto Tour Rd (Rte 011) to observation deck
T304	Woodland Trail	Native		0.48	From Auto Tour Rd (Rte 011) to end of loop
T500	Old Savanna Trail	Asphalt	10011567	0.14	From Auto Tour route parking (Rte 907) to end of loop



# TRAIL CONDITION



**Trail Name:** Blue Hill Trail

**Refuge Name:** Sherburne NWR

**Trail Number:** T300

**Region:** 3

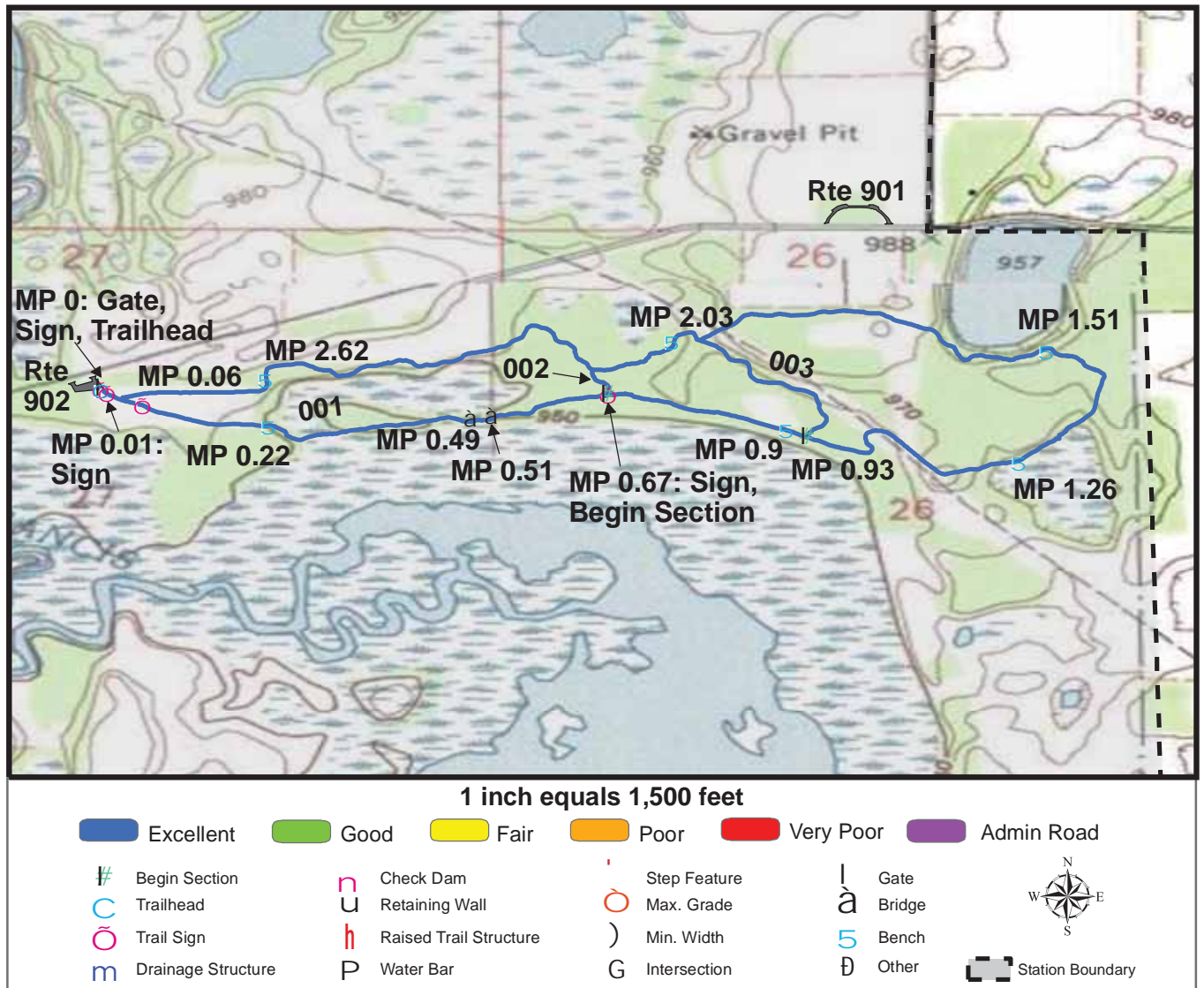
**TOTAL LENGTH:** 5.21 Miles

Section Number	001	002	003	004	005
Section Length (miles)	4.39	0.17	0.47	0.12	0.06
SAMMS Number	10011586	10011586	10011586	10011586	10011586
Rating Date	7/17/2006	7/17/2006	7/17/2006	7/17/2006	7/17/2006
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3	TC2	TC2
Surface Type	Native	Native	Native	Native	Native
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	66	66	96	24	18
Average Grade (%)	4	4	4	4	4
Average X-slope (%)	5.5	5.5	5.5	5.5	5.5
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	\$0
CRV	\$654700	\$24700	\$98800	\$6000	\$2500
FCI	0	0	0	0	0
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$786700	0	Excellent

# TRAIL CONDITION



**Trail Name:** Mahnomen Trail

**Refuge Name:** Sherburne NWR

**Trail Number:** T301

**Region:** 3

**TOTAL LENGTH:** 3.13 Miles

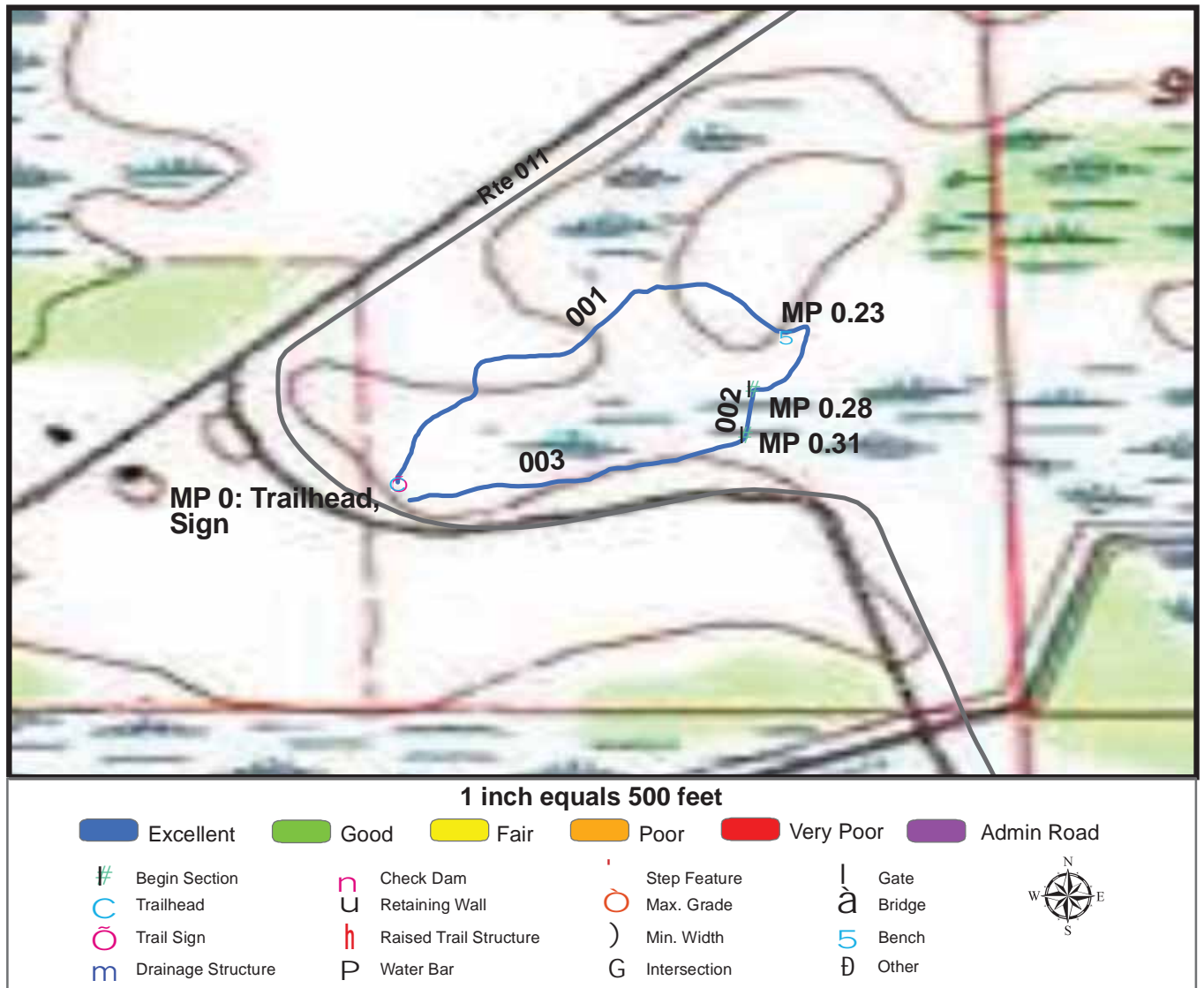
Section Number	001	002	003		
Section Length (miles)	2.82	0.05	0.26		
SAMMS Number	10011521	10011521	10011521		
Rating Date	7/18/2006	7/18/2006	7/18/2006		
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3		
Surface Type	Mowed	Mowed	Mowed		
Surface Firmness	Hard	Hard	Hard		
Width (inches)	72	84	84		
Average Grade (%)	3.9	3.9	3.9		
Average X-slope (%)	4.9	4.9	4.9		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$139700	\$2400	\$12000		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$154100	0	Excellent



# TRAIL CONDITION



**Trail Name:** Praire Trail

**Refuge Name:** Sherburne NWR

**Trail Number:** T302

**Region:** 3

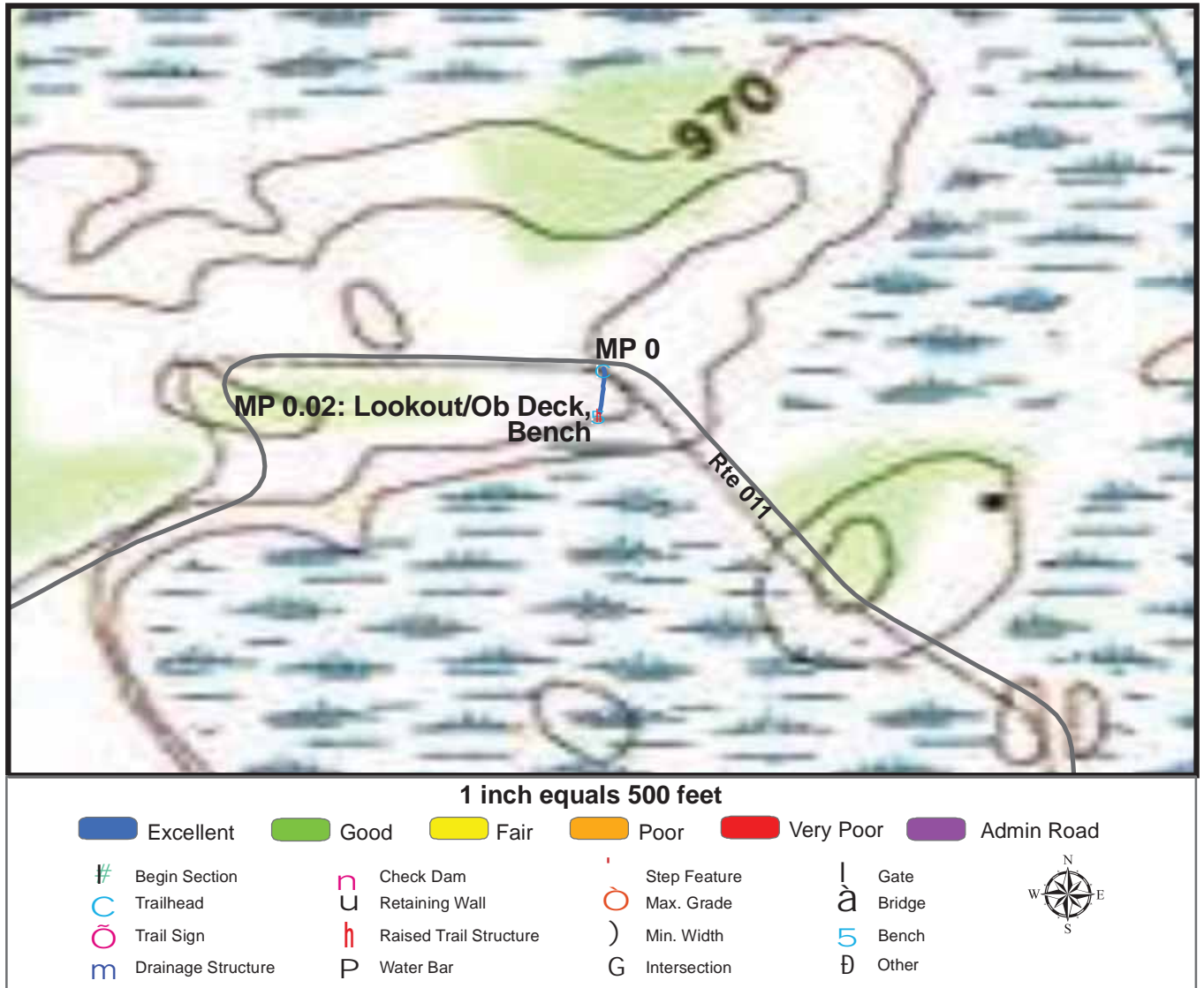
**TOTAL LENGTH:** 0.45 Miles

Section Number	001	002	003		
Section Length (miles)	0.28	0.03	0.14		
SAMMS Number					
Rating Date	7/18/2006	7/18/2006	7/18/2006		
<b>Trail Section Information</b>					
Trail Class	TC3	TC5	TC3		
Surface Type	Mowed	Boardwalk	Mowed		
Surface Firmness	Hard	Hard	Hard		
Width (inches)	66	48	66		
Average Grade (%)	2.8	2.8	2.8		
Average X-slope (%)	5.8	5.8	5.8		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$10200	\$14400	\$5000		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$29600	0	Excellent

# TRAIL CONDITION



**Trail Name:** Nelson Pool #13

**Refuge Name:** Sherburne NWR

**Trail Number:** T303

**Region:** 3

**TOTAL LENGTH:** 0.02 Miles

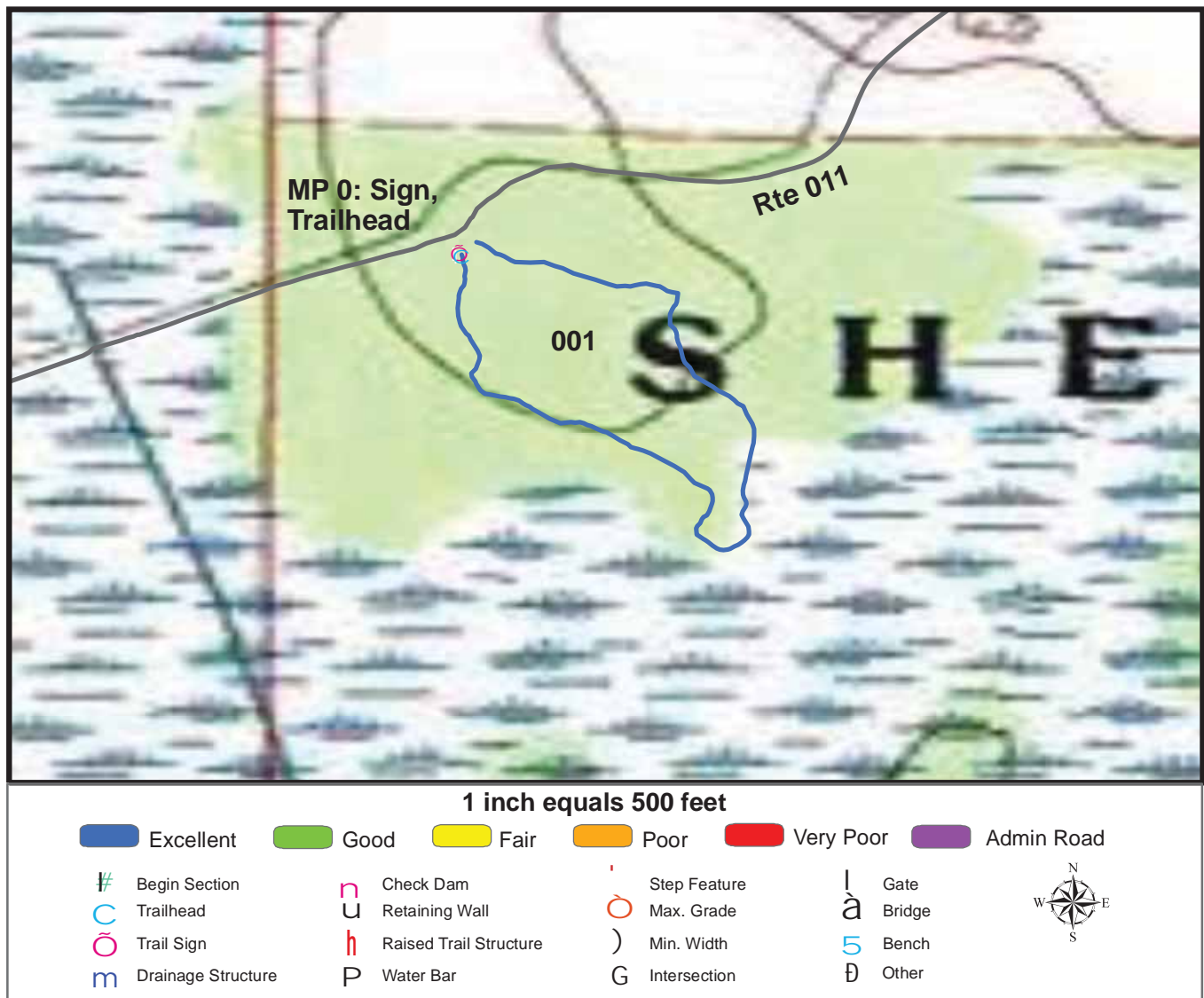
Section Number	001				
Section Length (miles)	0.02				
SAMMS Number	10011569				
Rating Date	7/18/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Hard				
Width (inches)	24				
Average Grade (%)	3.6				
Average X-slope (%)	5.6				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$1300				
FCI	0				
Condition	Excellent				

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$1300	0	Excellent



TRAIL CONDITION



Trail Name: Woodland Trail

Refuge Name: Sherburne NWR

Trail Number: T304

Region: 3

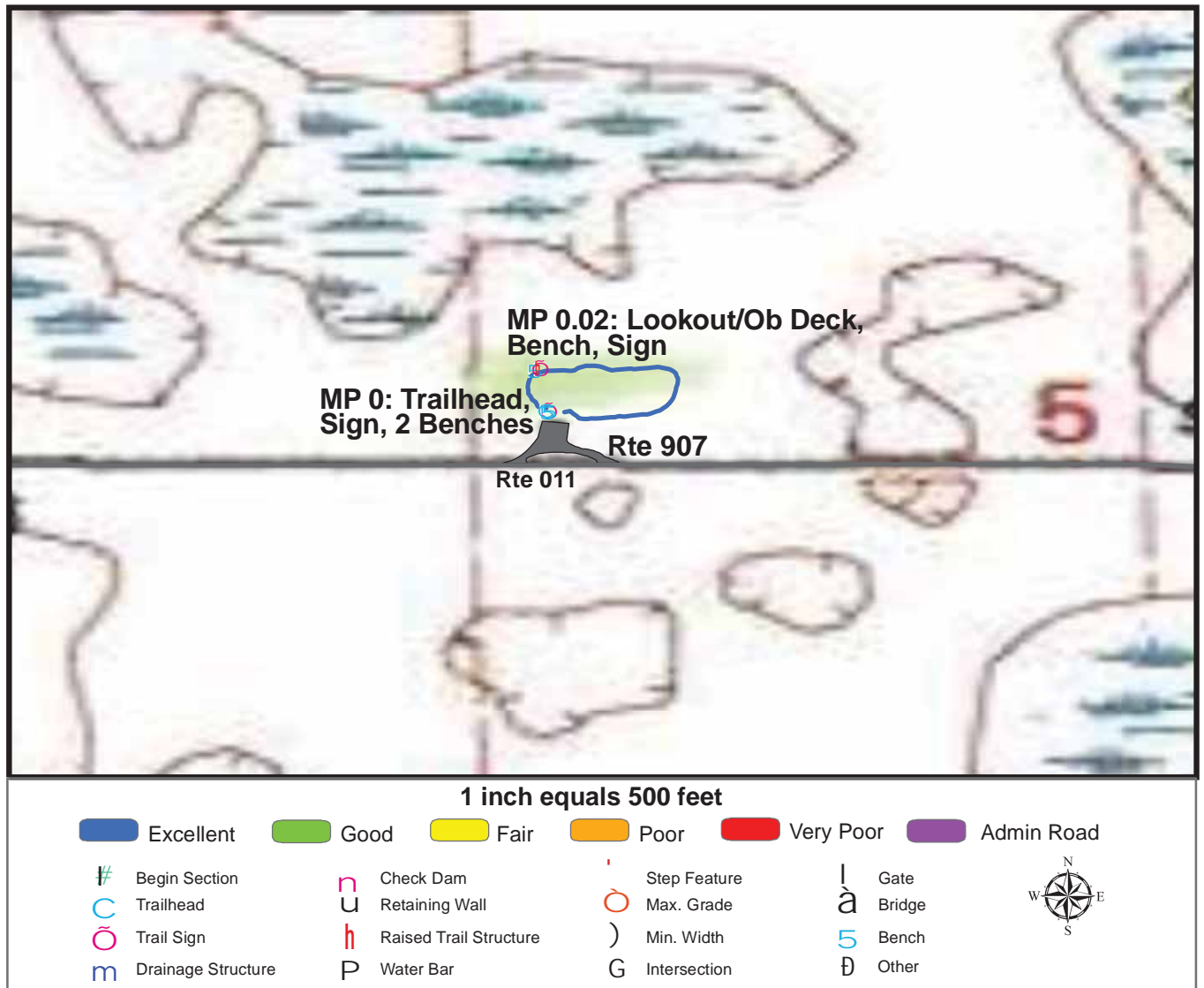
TOTAL LENGTH: 0.48 Miles

Section Number	001				
Section Length (miles)	0.48				
SAMMS Number					
Rating Date	7/18/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Hard				
Width (inches)	72				
Average Grade (%)	1.8				
Average X-slope (%)	8				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$74800				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$74800	0	Excellent

# TRAIL CONDITION



**Trail Name:** Old Savanna Trail

**Refuge Name:** Sherburne NWR

**Trail Number:** T500

**Region:** 3

**TOTAL LENGTH:** 0.14 Miles

Section Number	001				
Section Length (miles)	0.14				
SAMMS Number	10011567				
Rating Date	7/18/2006				
<b>Trail Section Information</b>					
Trail Class	TC5				
Surface Type	Asphalt				
Surface Firmness	Paved				
Width (inches)	65				
Average Grade (%)	1.7				
Average X-slope (%)	0.5				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$28700				
FCI	0				
Condition	Excellent				

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$28700	0	Excellent



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1260 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1259 - MP 0.0 - Sign

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1261 - MP 0.01 - Sign (Grouped feature), Sign

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1262 - MP 0.07 - Sign (Grouped feature)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1263 - MP 0.75 - Bridge

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1264 - MP 0.75 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1265 - MP 1.42 - Begin Section 003

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1268 - MP 2.99 - Bridge



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1270 - MP 4 - Begin Section 004

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1271 - MP 4 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1273 - MP 4.05 - Begin Section 005

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1272 - MP 4.06 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Sherburne NWR

DATE: 7/17/2006



Photo # 1274 - MP 4.16 - Sign

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 004 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 003 - MP 0.0 - Sign (Grouped feature)

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 005 - MP 0.01 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 006 - MP 0.06 - Sign

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 007 - MP 0.49 - Bridge



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 009 - MP 0.51 - Bridge

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 014 - MP 0.67 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 015 - MP 0.67 - Sign (Grouped feature)

TRAIL NUMBER: **T301**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 016 - MP 0.93 - Begin Section 003

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 019 - MP 0.0 - Trailhead

TRAIL NUMBER: T302

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 017-018 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 025 - MP 0.28 - Begin Section 002

TRAIL NUMBER: **T302**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 026 - MP 0.31 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 030 - MP 0.0 - Trailhead

TRAIL NUMBER: **T304**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 035 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T304**

STATION: Sherburne NWR

DATE: 7/18/2006

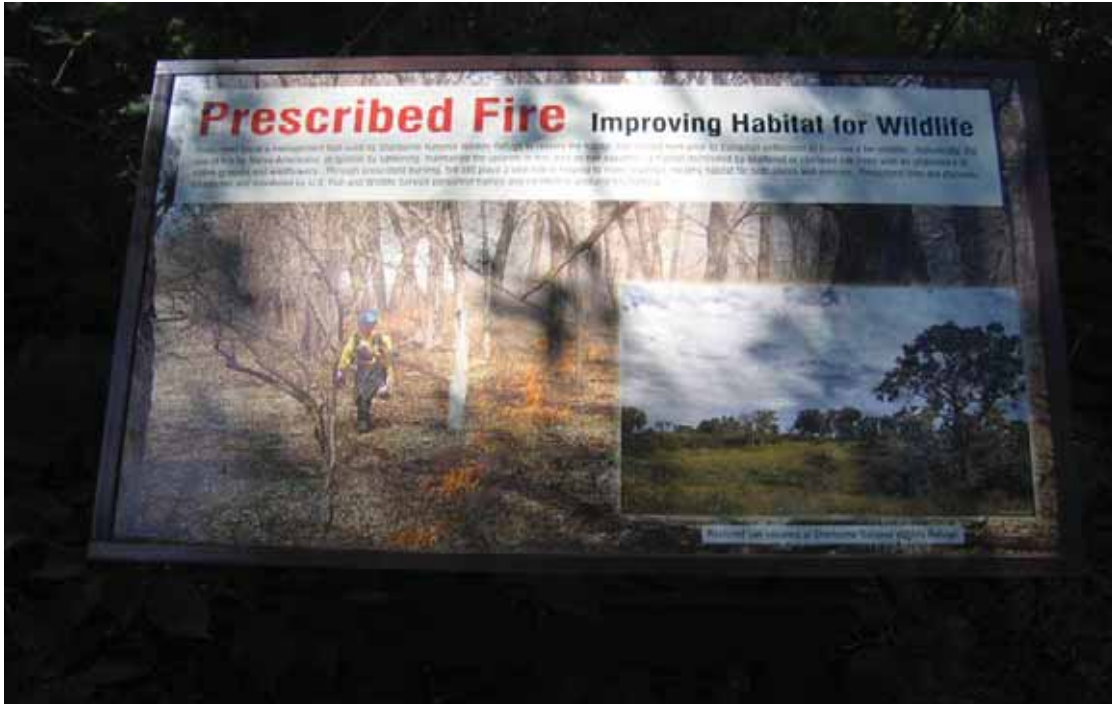


Photo # 033, 034 - MP 0.0 - Sign

TRAIL NUMBER: **T500**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 039 - MP 0.0 - Trailhead

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 036-038 - MP 0.0 - Sign

TRAIL NUMBER: **T500**

STATION: Sherburne NWR

DATE: 7/18/2006



Photo # 040 - MP 0.02 - Sign



# **The Trail Inventory of Tamarac National Wildlife Refuge Rochert, Minnesota**



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



# Tamarac 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	1.85	13%		0%		0%		0%		0%		0%	1.85
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%		0%		0%		0%		0%		0%	0.00
Mowed	6.21	44%		0%		0%		0%		0%		0%	6.21
Admin Road		0%		0%		0%		0%		0%	6.09	43%	6.09
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	8.06	57%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	6.09	43%	14.15

### 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	5.78	41%		0%		0%		0%		0%		0%	5.78
TC3	2.28	16%		0%		0%		0%		0%	4.26	30%	6.54
TC4		0%		0%		0%		0%		0%	1.83	13%	1.83
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	8.06	57%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	6.09	43%	14.15

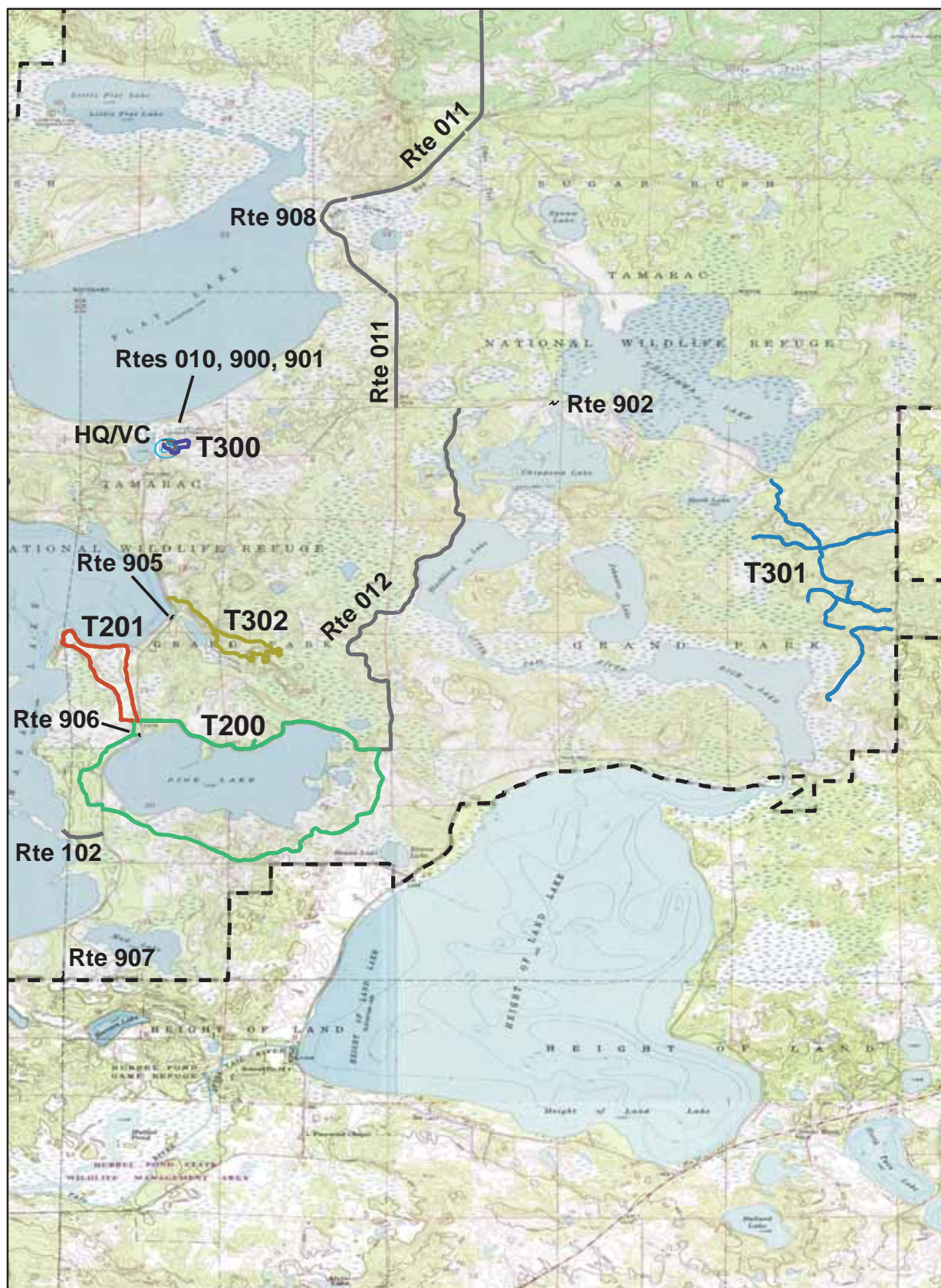
\* Admin Roads are included in the inventory but are not rated for condition.



## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Gate	1	No	0.00	N/A
T200	Sign	1	No	0.00	1145
T200	Sign	55	Yes	0.02	1147
T200	Gate	1	No	0.87	N/A
T200	Sign	3	No	0.87	1148
T200	Gate	1	No	0.93	N/A
T200	Gate	1	No	1.24	N/A
T200	Gate	1	No	3.54	N/A
T200	Gate	1	No	4.53	N/A
T200	Gate	1	No	5.35	N/A
T201	Sign	44	Yes	0.09	1158
T300	Bench	1	No	0.00	N/A
T300	Sign	1	No	0.00	1125
T300	Sign	4	Yes	0.00	1124
T300	Sign	5	Yes	0.02	1129
T300	Bench	1	No	0.25	N/A
T301	Gate	1	No	0.00	N/A
T301	Gate	1	No	0.00	N/A
T301	Gate	1	No	0.28	N/A
T301	Gate	1	No	0.94	N/A
T302	Sign	1	No	0.00	1138
T302	Sign	1	No	0.00	1139
T302	Bench	1	No	0.44	N/A
T302	Bridge -sf	58	No	0.68	1144
T302	Bench	1	No	0.94	N/A
T302	Bench	1	No	1.20	N/A
T302	Sign	5	Yes	1.85	1143
sf-square feet					
lf-linear feet					
cf-cubic feet					

# TAMARAC NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



Station Boundary



HQ/VC

0 1 2 Miles



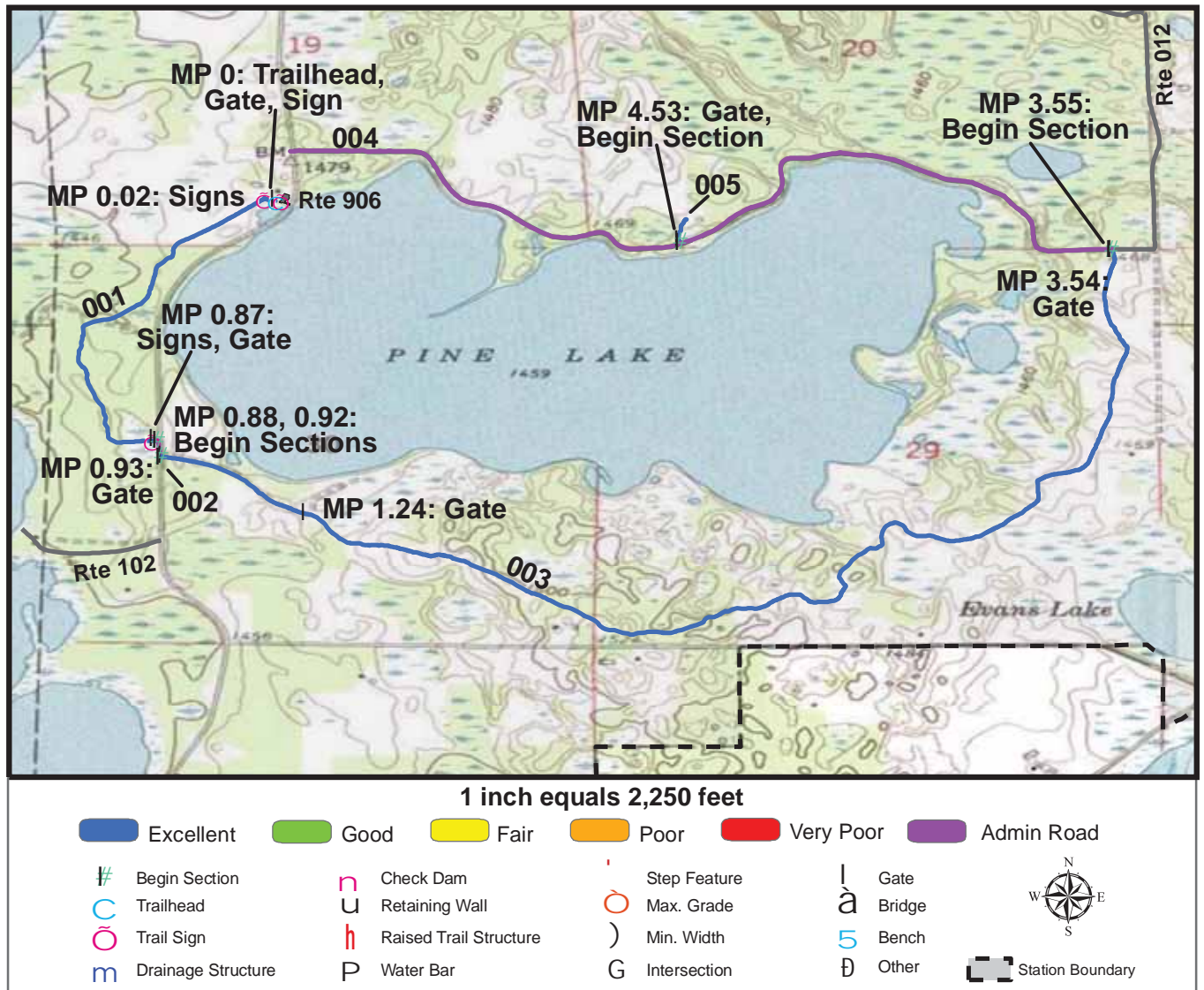
## TRAILS ID

**Station Name: Tamarac NWR**

**Org. Code: 32560**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Pine Lake Loop	Mowed, Admin road	10055183	5.58	From Pine Lake Ski Trail Parking (Rte 906) to Sec 001
T201	Tamarac Lake Loop	Mowed	10055182	2.10	From Pine Lake Loop (T200) to Pine Lake Loop (T200)
T300	Visitor Center Trail	Mowed	10055180	0.36	From Trailhead to Visitor Center Entrance Road (Rte 010)
T301	Booth Lake Trails	Admin Road	N/A	4.26	From Trailhead to End
T302	Old Indian Trail	Native	10055179	1.85	From Trailhead to Sec 001

# TRAIL CONDITION



Trail Name: Pine Lake Loop

Refuge Name: Tamarac NWR

Trail Number: T200

Region: 3

TOTAL LENGTH: 5.58 Miles

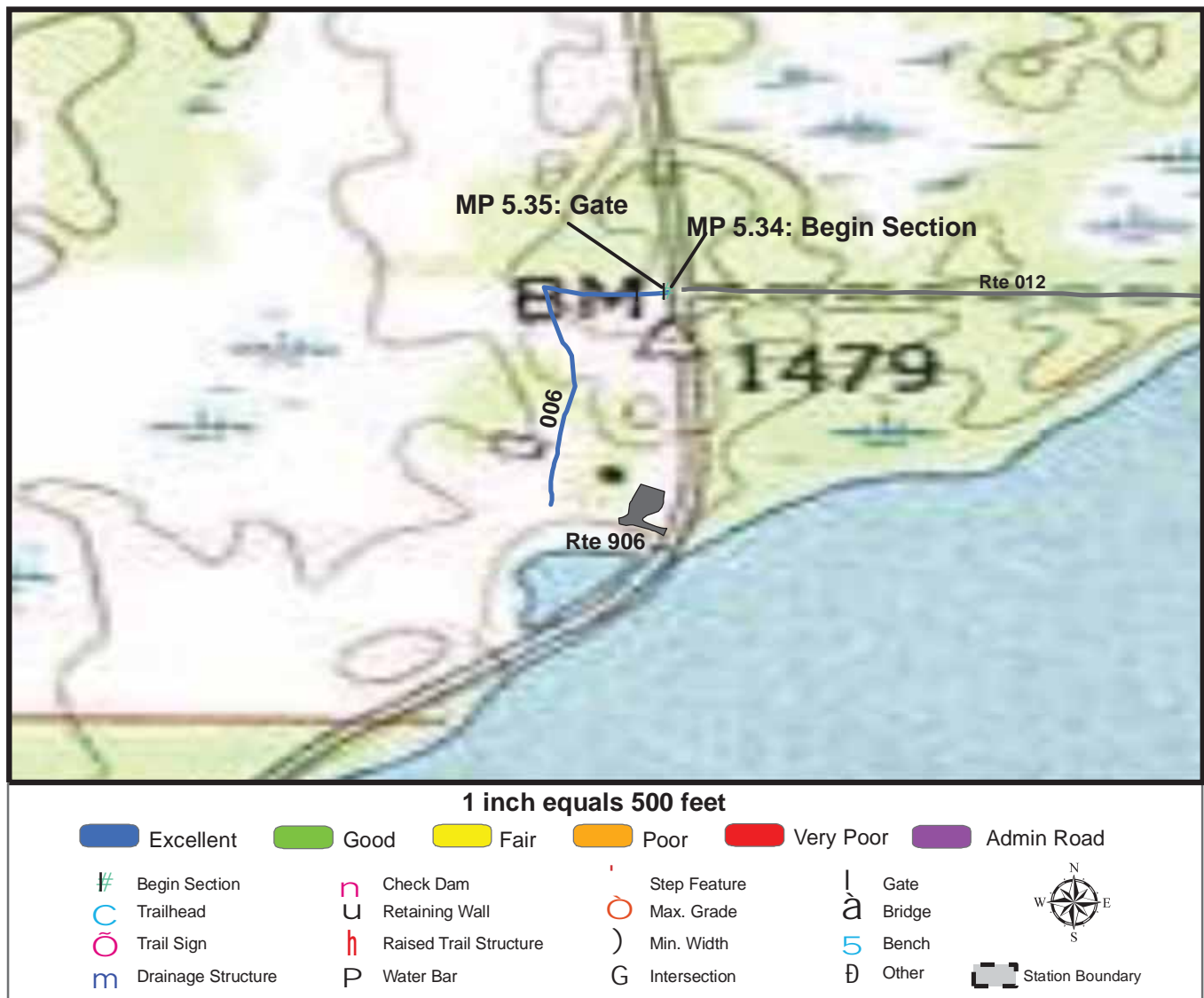
Section Number	001	002	003	004	005
Section Length (miles)	0.88	0.04	2.63	1.79	0.07
SAMMS Number	10055183	10055183	10055183	10055183	10055183
Rating Date	7/13/2006	7/13/2006	7/13/2006	7/13/2006	7/13/2006
<b>Trail Section Information</b>					
Trail Class	TC2	TC4	TC2	TC4	TC3
Surface Type	Mowed	Admin Road	Mowed	Admin Road	Mowed
Surface Firmness	Firm	Hard	Firm	Hard	Firm
Width (inches)	75	240	180	240	86
Average Grade (%)	5	5	5	5	5
Average X-slope (%)	3.7	3.7	3.7	3.7	3.7
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	\$0
CRV	\$40700	\$0	\$269000	\$0	\$5000
FCI	0	0	0	0	0
Condition	Excellent	Not Rated	Excellent	Not Rated	Excellent

## Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$329000	0	Excellent



TRAIL CONDITION



Trail Name: Pine Lake Loop

Refuge Name: Tamarac NWR

Trail Number: T200

Region: 3

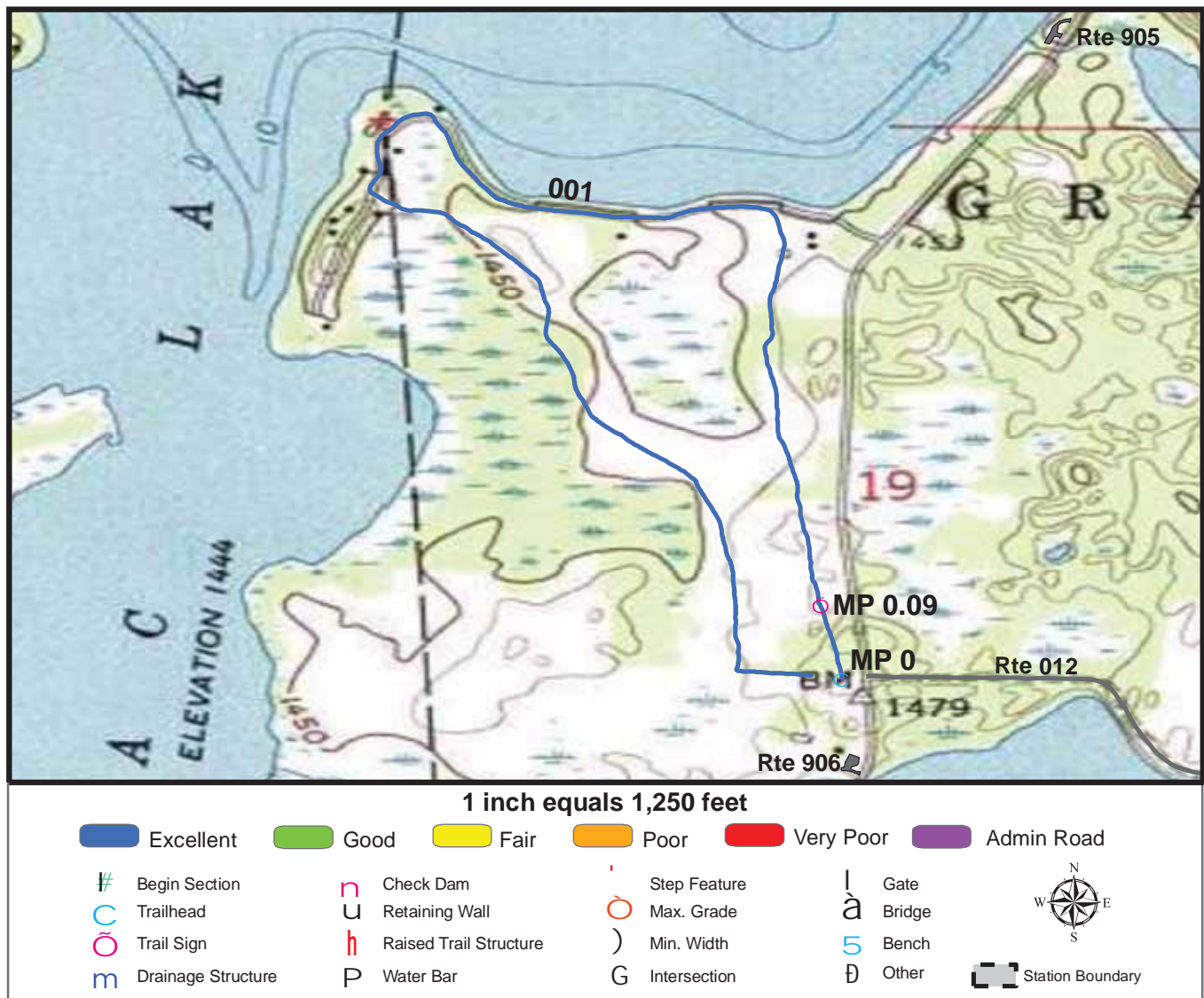
TOTAL LENGTH: 5.58 Miles

Section Number	006				
Section Length (miles)	0.17				
SAMMS Number	10055183				
Rating Date	7/13/2006				
<b>Trail Section Information</b>					
Trail Class	TC2				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	130				
Average Grade (%)	5				
Average X-slope (%)	3.7				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$14300				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$329000	0	Excellent

TRAIL CONDITION



Trail Name: Tamarac Lake Loop

Refuge Name: Tamarac NWR

Trail Number: T201

Region: 3

TOTAL LENGTH: 2.1 Miles

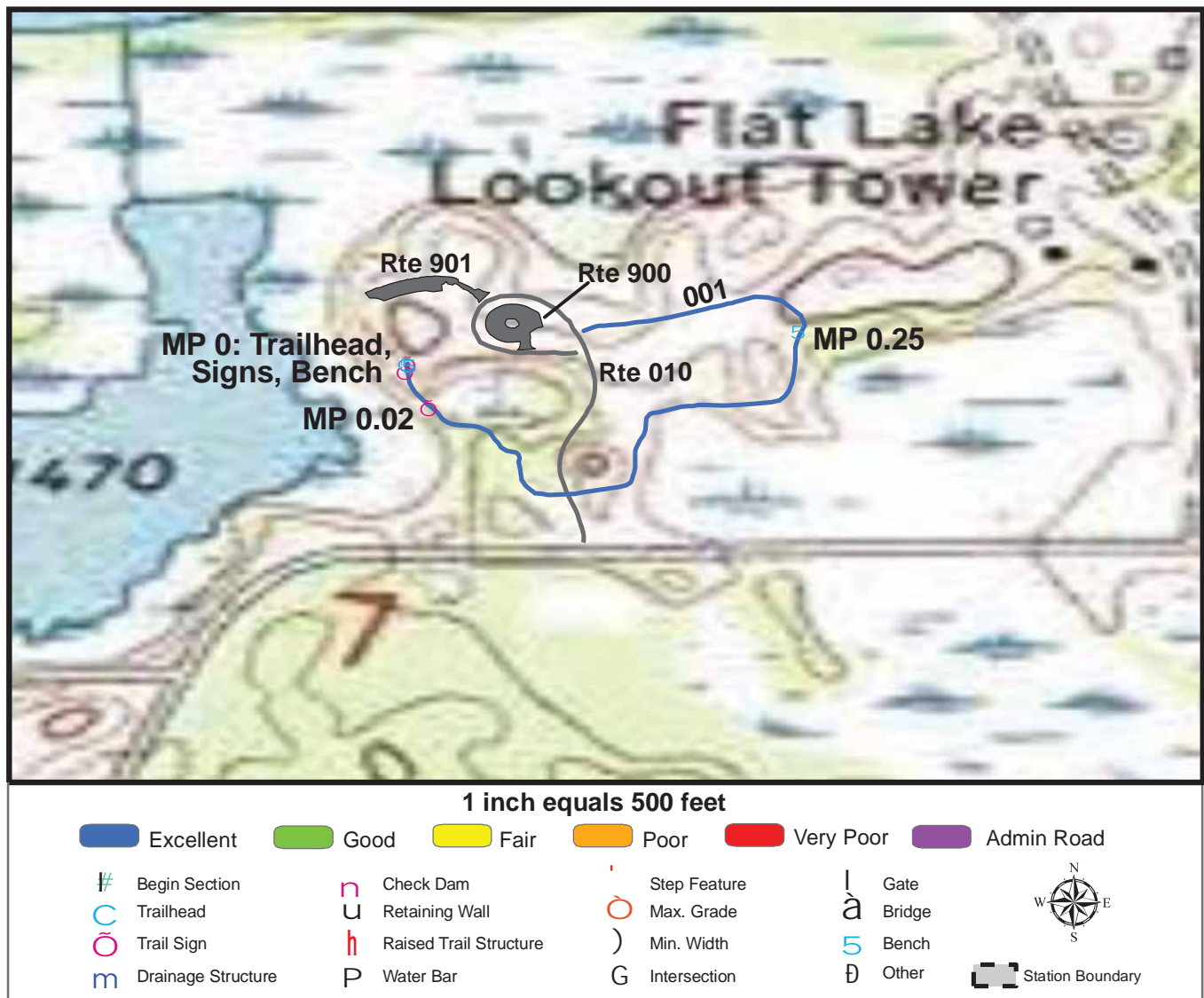
Section Number	001				
Section Length (miles)	2.1				
SAMMS Number	10055182				
Rating Date	7/13/2006				
<b>Trail Section Information</b>					
Trail Class	TC2				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	120				
Average Grade (%)	3.5				
Average X-slope (%)	5.8				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$140200				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$140200	0	Excellent



TRAIL CONDITION



Trail Name: Visitor Center Trail

Refuge Name: Tamarac NWR

Trail Number: T300

Region: 3

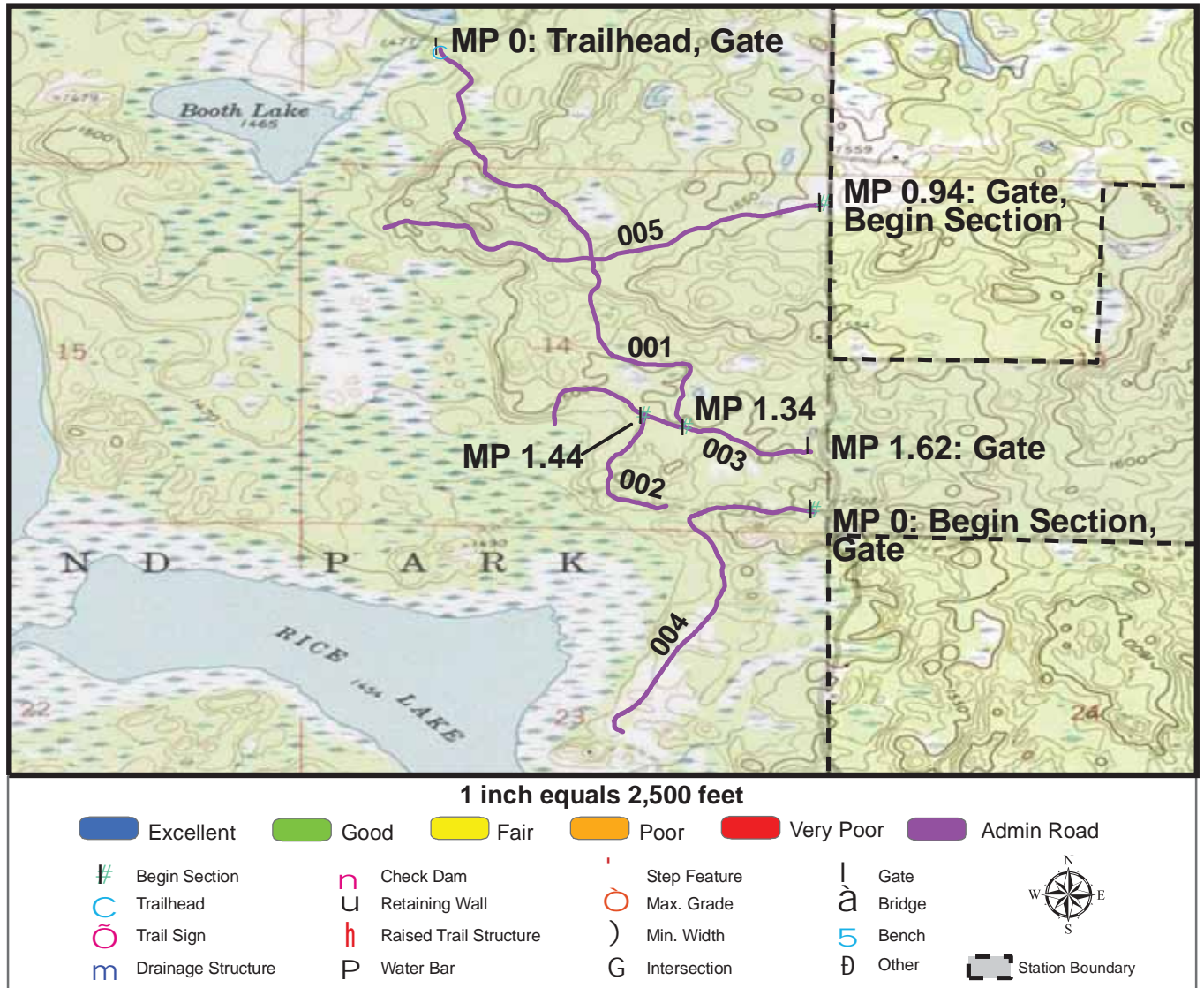
TOTAL LENGTH: 0.36 Miles

Section Number	001				
Section Length (miles)	0.36				
SAMMS Number	10055180				
Rating Date	7/12/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	72				
Average Grade (%)	10.3				
Average X-slope (%)	5.8				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$14500				
FCI	0				
Condition	Excellent				

**Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
\$0	\$14500	0	Excellent

# TRAIL CONDITION



**Trail Name:** Booth Lake Trails

**Refuge Name:** Tamarac NWR

**Trail Number:** T301

**Region:** 3

**TOTAL LENGTH:** 4.26 Miles

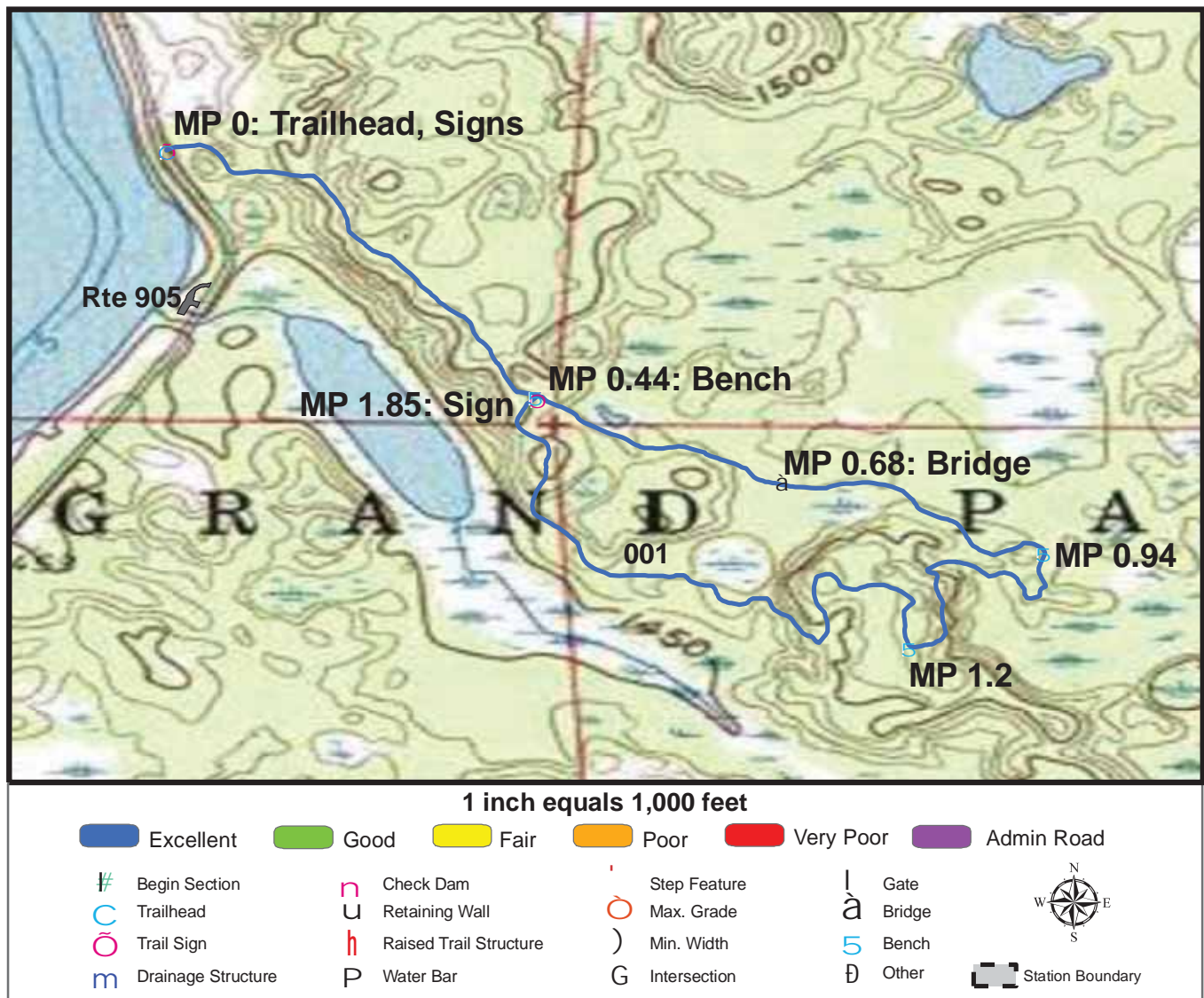
Section Number	001	002	003	004	005
Section Length (miles)	1.73	0.37	0.28	0.94	0.94
SAMMS Number	N/A	N/A	N/A	N/A	N/A
Rating Date	7/12/2006	7/12/2006	7/12/2006	7/12/2006	7/12/2006
<b>Trail Section Information</b>					
Trail Class	TC3	TC3	TC3	TC3	TC3
Surface Type	Admin Road	Admin Road	Admin Road	Admin Road	Admin Road
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	168	168	168	132	132
Average Grade (%)	5.5	5.5	5.5	5.5	5.5
Average X-slope (%)	4.9	4.9	4.9	4.9	4.9
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	\$0
CRV	\$0	\$0	\$0	\$0	\$0
FCI	0	0	0	0	0
Condition	Not Rated	Not Rated	Not Rated	Not Rated	Not Rated

## Trail Condition TOTALS

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



TRAIL CONDITION



Trail Name: Old Indian Trail

Refuge Name: Tamarac NWR

Trail Number: T302

Region: 3

TOTAL LENGTH: 1.85 Miles

Section Number	001				
Section Length (miles)	1.85				
SAMMS Number	10055179				
Rating Date	7/13/2006				
<b>Trail Section Information</b>					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	80				
Average Grade (%)	8.5				
Average X-slope (%)	5.8				
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0				
CRV	\$333700				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$333700	0	Excellent

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1146 - MP 0.0 - Trailhead

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1145 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**  
STATION: Tamarac NWR  
DATE: 7/13/2006



Photo # 1147 - MP 0.02 - Sign (Grouped feature)

TRAIL NUMBER: **T200**  
STATION: Tamarac NWR  
DATE: 7/13/2006



Photo # 1148 - MP 0.87 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1149 - MP 0.88 - Begin Section 002

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1150 - MP 0.92 - Begin Section 003



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1154 - MP 3.55 - Begin Section 004

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1155 - MP 4.53 - Begin Section 005



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T200**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1156 - MP 5.34 - Begin Section 006

TRAIL NUMBER: **T201**

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1157 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T201**  
STATION: Tamarac NWR  
DATE: 7/13/2006



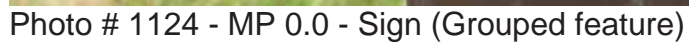
Photo # 1158 - MP 0.09 - Sign (Grouped feature)

TRAIL NUMBER: **T300**  
STATION: Tamarac NWR  
DATE: 7/12/2006



Photo # 1123 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**  
STATION: Tamarac NWR  
DATE: 7/12/2006



**Wildlife You May See**

Tennessee National Wildlife Refuge is a great place to watch wildlife. Many animals are present and many are just out to watch already and quietly. The best times to see wildlife are early morning and evening. Making it clear the area is a refuge for wildlife, so make sure to be quiet. A lot of birds are in the area.

**Be a Nature Detective**

Look for evidence of animal activity along the refuge's many trails. Tracks, tracks, and nest (chips) give you good clues to identify animals that have been in the area.

**Wildlife You May See**

American Osprey  
American Coot  
American Baldpate  
American Grebe  
American Great Blue Heron  
American Great Egret  
American Great White Egret  
American Great Yellowlegs  
American Great Green Heron  
American Great Blue Heron  
American Great Egret  
American Great White Egret

Photo # 1125 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Tamarac NWR

DATE: 7/12/2006



Photo # 1129 - MP 0.02 - Sign (Grouped feature)

TRAIL NUMBER: **T301**

STATION: Tamarac NWR

DATE: 7/12/2006



Photo # 1132 - MP 0.0 - Trailhead



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**  
STATION: Tamarac NWR  
DATE: 7/12/2006



Photo # 1133 - MP 0.0 - Begin Section 002

TRAIL NUMBER: **T301**  
STATION: Tamarac NWR  
DATE: 7/12/2006



Photo # 1135 - MP 0.0 - Begin Section 004



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**  
STATION: Tamarac NWR  
DATE: 7/12/2006



Photo # 1134 - MP 0.01 - Begin Section 003

TRAIL NUMBER: **T301**  
STATION: Tamarac NWR  
DATE: 7/12/2006



Photo # 1137 - MP 0.94 - Begin Section 005



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1140 - MP 0.0 - Trailhead

TRAIL NUMBER: T302

STATION: Tamarac NWR

DATE: 7/13/2006

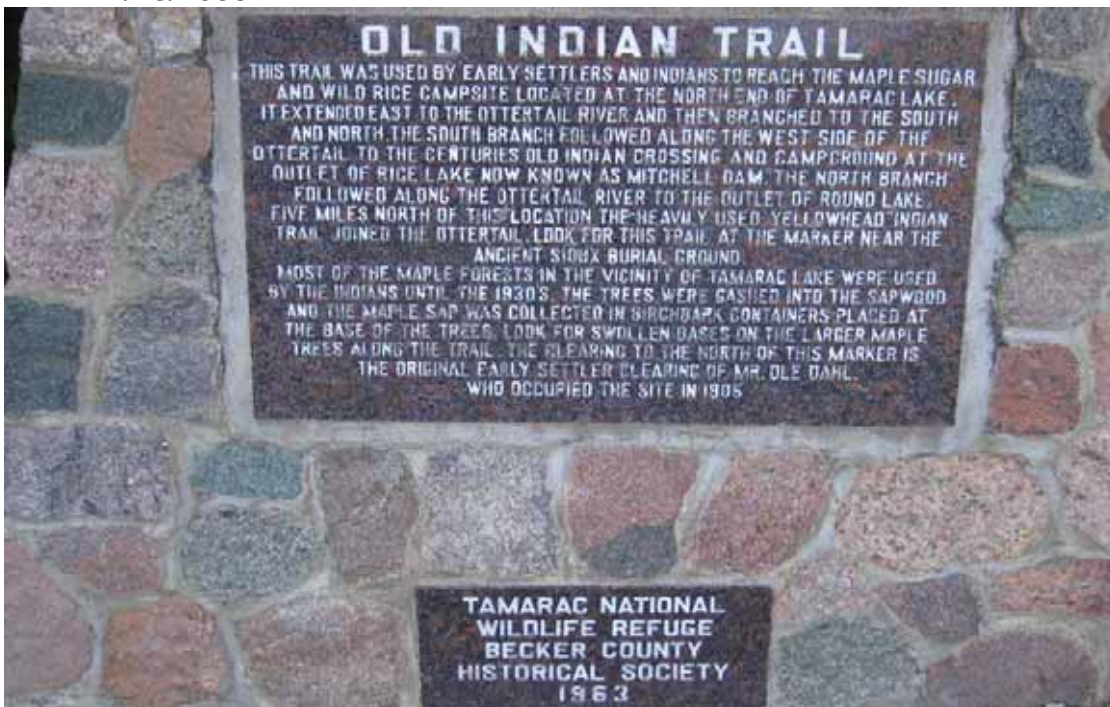


Photo # 1138 - MP 0.0 - Sign



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1139 - MP 0.0 - Sign

TRAIL NUMBER: T302

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1144 - MP 0.68 - Bridge

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302

STATION: Tamarac NWR

DATE: 7/13/2006



Photo # 1143 - MP 1.85 - Sign (Grouped feature)



# **The Trail Inventory of Windom Wetland Management District Windom, Minnesota**



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



# Windom WMD

## 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	0.76	62%		0%		0%		0%		0%		0%	0.76
Gravel	0.33	27%	0.13	11%		0%		0%		0%		0%	0.46
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%		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	1.09	89%	0.13	11%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.22

### 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	1.09	89%	0.13	11%		0%		0%		0%		0%	1.22
TC5		0%		0%		0%		0%		0%		0%	0.00
Totals	1.09	89%	0.13	11%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.22

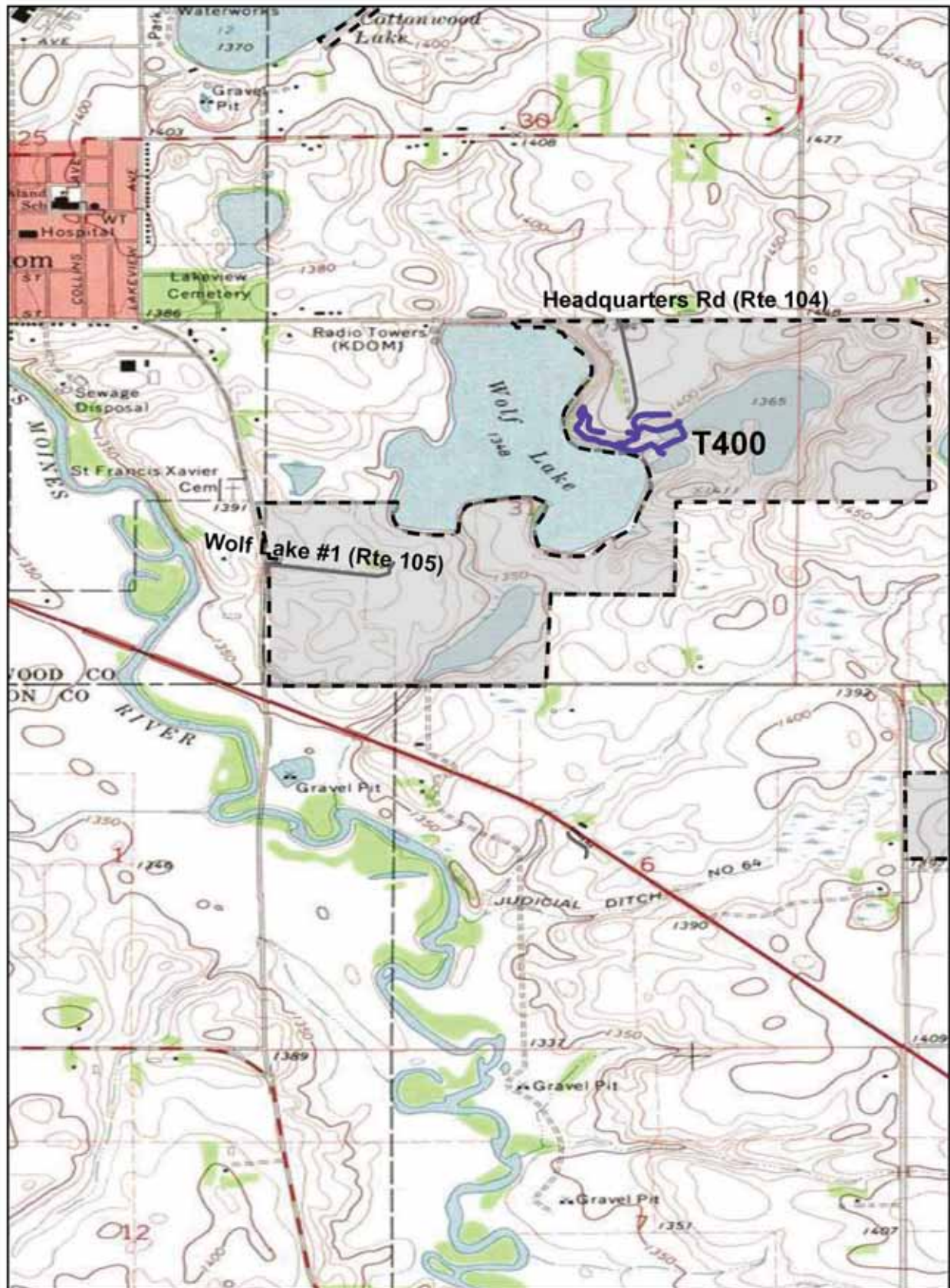
\* Admin Roads are included in the inventory but are not rated for condition.



## Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Lookout/Ob Deck	1	No	0.18	N/A
T400	Bridge -sf	125	No	0.34	0738
T400	Lookout/Ob Deck	1	No	0.37	N/A
T400	Culvert -lf	30	No	0.39	N/A
T400	Other	1	No	0.42	N/A
T400	Lookout/Ob Deck	1	No	0.65	N/A
T401	Sign	3	No	0.00	0745
T401	Boardwalk -lf	40	No	0.15	0746
T401	Boardwalk -lf	40	No	0.23	0748
T401	Lookout/Ob Deck	1	No	0.23	N/A
<div> <div>sf-square feet</div> <div>lf-linear feet</div> <div>cf-cubic feet</div> </div>					

# WINDOM WETLAND MANAGEMENT DISTRICT TRAIL LOCATION MAP



 Station Boundary

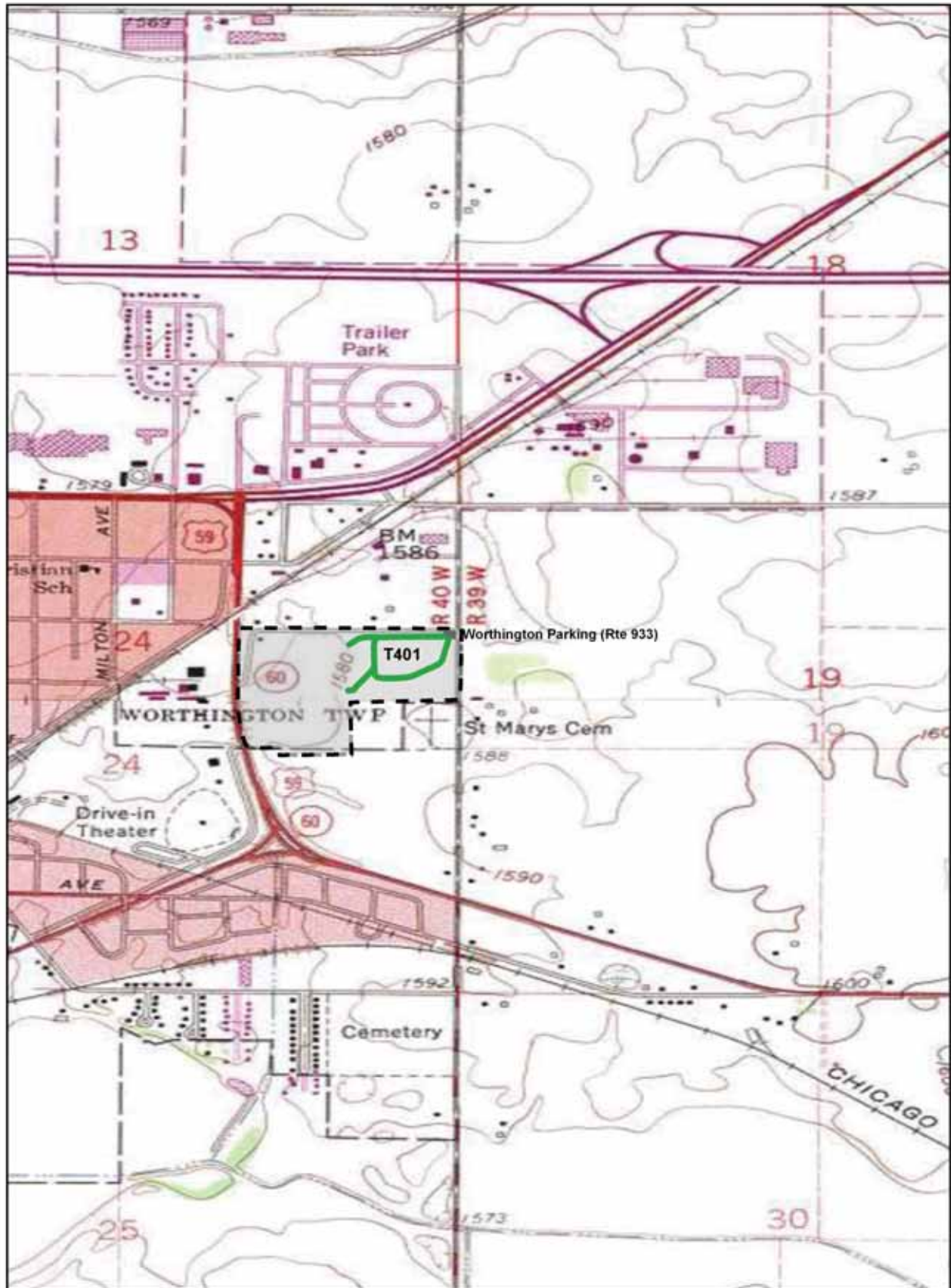


HQ/VC

 Miles



# WINDOM WETLAND MANAGEMENT DISTRICT TRAIL LOCATION MAP



Station Boundary



HQ/VC

0 0.4 0.8 Miles

## TRAILS ID

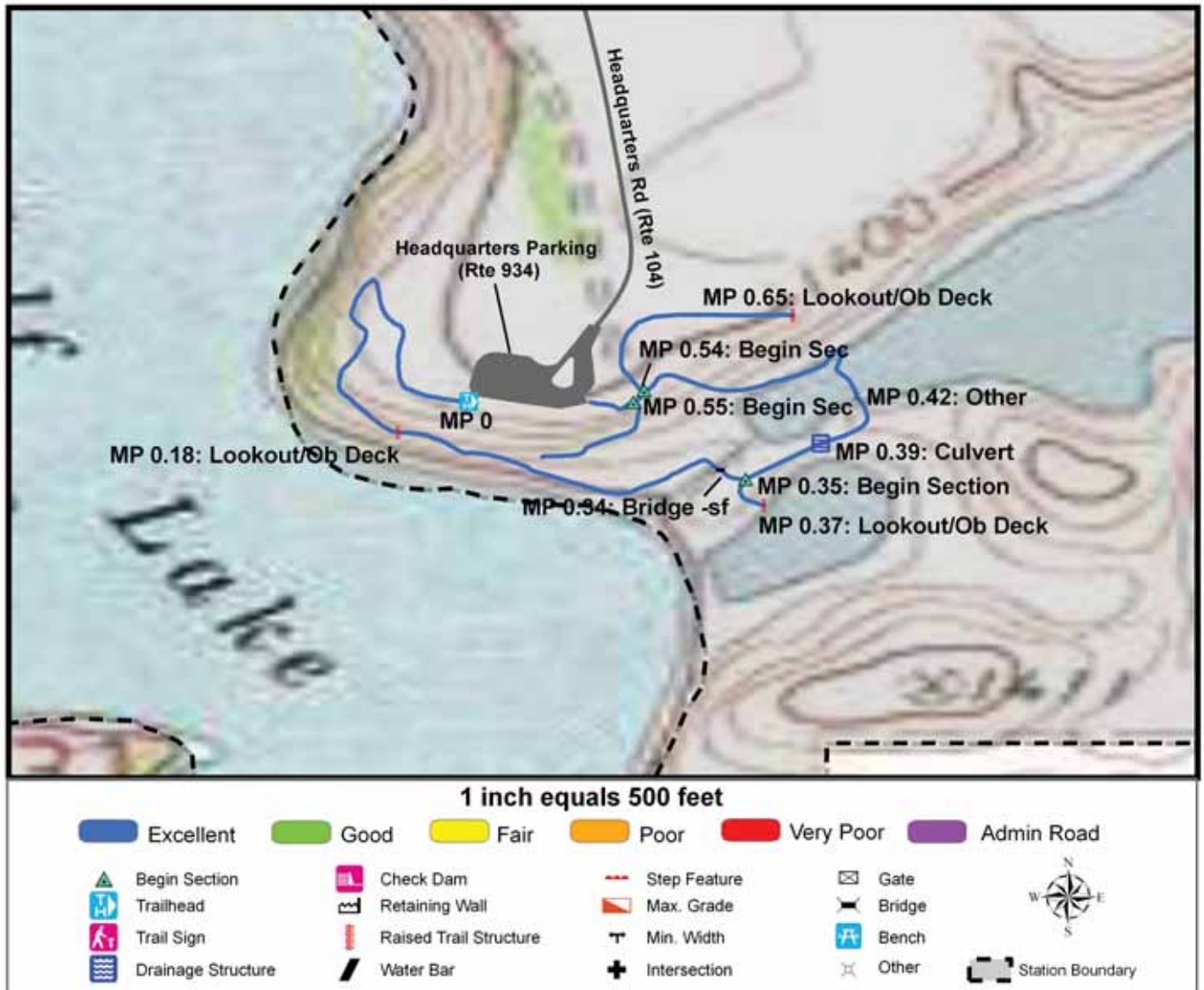
**Station Name: Windom WMD**

**Org. Code: 32587**

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Wolf Lake Trail	Native	10055243	0.76	From Headquarter's Parking Area (Rte 934) to End of Sec 004
T401	Worthington WPA Trail	Gravel	10012194	0.46	From Worthington Parking Area (Rte 933) to Worthington Parking Area (Rte 933)



## TRAIL CONDITION



**Trail Name:** Wolf Lake Trail

**Refuge Name:** Windom WMD

**Trail Number:** T400 (Under Construction)

**Region:** 3

**TOTAL LENGTH:** 0.76 Miles

Section Number	001	002	003	004	
Section Length (miles)	0.37	0.3	0.03	0.06	
SAMMS Number	10055243	10055243	10055243	10055243	
Rating Date	7/25/2006	7/25/2006	7/25/2006	7/25/2006	
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4	TC4	
Surface Type	Native	Native	Native	Native	
Surface Firmness	Soft	Soft	Soft	Soft	
Width (inches)	0	0	0	0	
Average Grade (%)	0	0	0	0	
Average X-slope (%)	0	0	0	0	
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$0	\$0	\$0	
CRV	\$0	\$0	\$0	\$0	
FCI	0	0	0	0	
Condition	Under Construc.	Under Construc.	Under Construc.	Under Construc.	

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$0	0	Under Construction

## TRAIL CONDITION



**Trail Name:** Worthington WPA Trail

**Refuge Name:** Windom WMD

**Trail Number:** T401

**Region:** 3

**TOTAL LENGTH:** 0.46 Miles

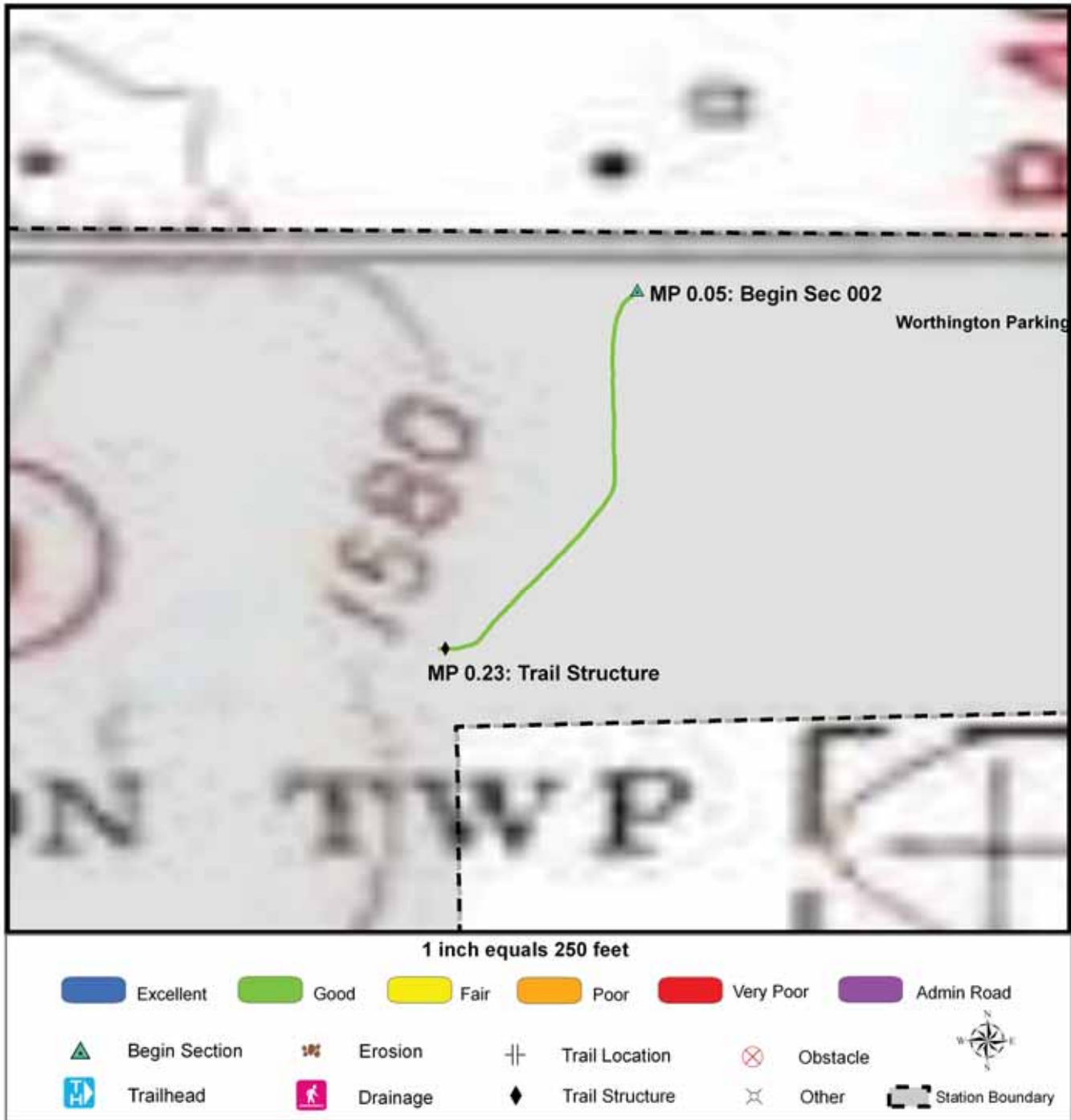
Section Number	001	002	003		
Section Length (miles)	0.15	0.13	0.18		
SAMMS Number	10012194	10012194	10012194		
Rating Date	7/25/2006	7/25/2006	7/25/2006		
<b>Trail Section Information</b>					
Trail Class	TC4	TC4	TC4		
Surface Type	Gravel	Gravel	Gravel		
Surface Firmness	Hard	Hard	Hard		
Width (inches)	72	72	72		
Average Grade (%)	2.2	2.2	2.2		
Average X-slope (%)	0.7	0.7	0.7		
<b>Trail Condition Information</b>					
Deferred Maintenance	\$0	\$900	\$0		
CRV	\$26400	\$23400	\$29800		
FCI	0	0.038	0		
Condition	Excellent	Good	Excellent		

### Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$900	\$79600	0.011	Good



TRAIL DEFICIENCY



Trail Name: Worthington WPA Trail

Refuge Name: Windom WMD

Trail Number: T401

Region: 3

TOTAL LENGTH: 0.46 Miles

Mile Post	0.18			
Section Number	002			
Photo Number	0748			
Deficiency	Trail Structure			
Action	Repair			
Item	Boardwalk -lf			
Quantity	40			
Deferred Maintenance	\$900			

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0737 - MP 0.0 - Trailhead

TRAIL NUMBER: **T400**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0738 - MP 0.34 - Bridge (Under construction)



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T400**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0742 - MP 0.54 - Begin Section 003

TRAIL NUMBER: **T400**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0743 - MP 0.55 - Begin Section 004

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**  
STATION: Windom WMD  
DATE: 7/25/2006



Photo # 0745 - MP 0.0 - Trailhead, Sign

TRAIL NUMBER: **T401**  
STATION: Windom WMD  
DATE: 7/25/2006



Photo # 0747 - MP 0.1 - Begin Section 002



# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0746 - MP 0.15 - Boardwalk

TRAIL NUMBER: **T401**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0749 - MP 0.16 - Begin Section 003

# PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T401**

STATION: Windom WMD

DATE: 7/25/2006



Photo # 0748 - MP 0.23 - Trail Structure Deficiency, Boardwalk



# APPENDIX

## Glossary of Terms and Abbreviations

<b>Acc Info</b>	Accessibility information available at trailhead.
<b>Action</b>	Action required to correct deficiency.
<b>Admin Road</b>	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
<b>Alt SAMMS</b>	Asset number of Alternate Facility Type.
<b>Alt Type</b>	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
<b>AvgGrade</b>	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.
<b>AvgSlope</b>	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.
<b>Check Dam</b>	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
<b>Condition</b>	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
<b>Crib Wall</b>	Retaining wall.
<b>Current Replacement Value (CRV)</b>	The value of an asset determined by the estimated cost of replacing it.
<b>Def type</b>	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.

<b>Deferred Maintenance (DM)</b>	Maintenance that was not performed when scheduled.
<b>Elem ID</b>	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
<b>Facility Condition Index (FCI)</b>	DM/CRV
<b>Grouped Features</b>	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.
<b>Info Type</b>	Type of accessibility information available at trailhead: brochure, sign or other.
<b>Item</b>	Item on which the “Action” (see above) will be performed.
<b>Manage_Use</b>	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
<b>Max Grade</b>	Maximum grade (in percent) of trail. Only collected for Trail Classes 4 and 5 and when > 10%.
<b>Min Width</b>	Minimum Width (inches) of trail. Only collected for Trail Classes 4 and 5.
<b>MP (Milepost)</b>	Distance, in miles, of a trail feature or deficiency from the Trailhead.
<b>Puncheon</b>	Log footbridge used in area of poor drainage.
<b>Raised Trail Structure</b>	Boardwalk, Turnpike, Puncheon.
<b>SAMMS No</b>	Asset Number



<b>Station Boundary</b>	Approved Acquisition Boundary files downloaded from FWS website.
<b>T Class</b>	Trail Class: TC1-5 (see Trail Classification System for descriptions).
<b>Tr Desig</b>	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
<b>Trail No</b>	Trails are numbered based on Trail Class at the trailhead. TC 1 = T100 series, TC2 = T200 series, etc.
<b>Turnpike</b>	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					
<b>Tread &amp; Traffic Flow</b>	<ul style="list-style-type: none"> <li>•Tread intermittent and often indistinct</li> <li>•May require route finding</li> <li>•Native materials only</li> </ul>	<ul style="list-style-type: none"> <li>•Tread discernible and continuous, but narrow and rough</li> <li>•Few or no allowances constructed for passing</li> <li>•Native materials</li> </ul>	<ul style="list-style-type: none"> <li>•Tread obvious and continuous</li> <li>•Width accommodates unhindered one-lane travel (occasional allowances constructed for passing)</li> <li>•Typically native materials</li> </ul>	<ul style="list-style-type: none"> <li>•Tread wide and relatively smooth with few irregularities</li> <li>•Width may consistently accommodate two-lane travel</li> <li>•Native or imported materials</li> <li>•May be hardened</li> </ul>	<ul style="list-style-type: none"> <li>•Width generally accommodates two-lane and two-directional travel, or provides frequent passing turnouts</li> <li>•Commonly hardened with asphalt or other imported material</li> </ul>
<b>Obstacles</b>	<ul style="list-style-type: none"> <li>•Obstacles common</li> <li>•Narrow passages; brush, steep grades, rocks and logs present</li> </ul>	<ul style="list-style-type: none"> <li>•Obstacles occasionally present</li> <li>•Blockages cleared to define route and protect resources</li> <li>•Vegetation may encroach into trailway</li> </ul>	<ul style="list-style-type: none"> <li>•Obstacles infrequent</li> <li>•Vegetation cleared outside of trailway</li> </ul>	<ul style="list-style-type: none"> <li>•Few or no obstacles exist</li> <li>•Grades typically &lt;12%</li> <li>•Vegetation cleared outside of trailway</li> </ul>	<ul style="list-style-type: none"> <li>•No obstacles</li> <li>•Grades typically &lt;8%</li> </ul>
<b>Constructed Features &amp; Trail Elements</b>	<ul style="list-style-type: none"> <li>•Minimal to non-existent</li> <li>•Drainage is functional</li> <li>•No constructed bridges or foot crossings</li> </ul>	<ul style="list-style-type: none"> <li>•Structures are of limited size, scale, and number</li> <li>•Drainage functional</li> <li>•Structures adequate to protect trail infrastructure and resources</li> <li>•Primitive foot crossings and fords</li> </ul>	<ul style="list-style-type: none"> <li>•Trail structures (walls, steps, drainage, raised trail) may be common and substantial</li> <li>•Trail bridges as needed for resource protection and appropriate access</li> <li>•Generally native materials used in Wilderness</li> </ul>	<ul style="list-style-type: none"> <li>•Structures frequent and substantial</li> <li>•Substantial trail bridges are appropriate at water crossings</li> <li>•Trailside amenities may be present</li> </ul>	<ul style="list-style-type: none"> <li>•Structures frequent or continuous; may include curbs, handrails, trailside amenities, and boardwalks</li> <li>•Drainage structures frequent; may include culverts and road-like designs</li> </ul>
<b>Signs</b>	<ul style="list-style-type: none"> <li>•Minimum required</li> <li>•Generally limited to regulation and resource protection</li> <li>•No destination signs present</li> </ul>	<ul style="list-style-type: none"> <li>•Minimum required for basic direction</li> <li>•Generally limited to regulation and resource protection</li> <li>•Typically very few or no destination signs present</li> </ul>	<ul style="list-style-type: none"> <li>•Regulation, resource protection, user reassurance</li> <li>•Directional signs at junctions, or when confusion is likely</li> <li>•Destination signs typically present</li> <li>•Informational and interpretive signs may be present outside of Wilderness</li> </ul>	<ul style="list-style-type: none"> <li>•Wide variety of signs likely present</li> <li>•Informational signs likely (outside of Wilderness)</li> <li>•Interpretive signs possible (outside of Wilderness)</li> <li>•Trail Universal Access information likely displayed at trailhead</li> </ul>	<ul style="list-style-type: none"> <li>•Wide variety of signage is present</li> <li>•Information and interpretive signs likely</li> <li>•Trail Universal Access information is typically displayed at trailhead</li> <li>•</li> </ul>
<b>Typical Recreation Environments &amp; Experience<sup>2</sup></b>	<ul style="list-style-type: none"> <li>•Natural, unmodified</li> <li>•ROS: Often Primitive setting, but may occur in other ROS settings</li> <li>•WROS: Primitive</li> </ul>	<ul style="list-style-type: none"> <li>•Natural, essentially unmodified</li> <li>•ROS: Typically Semi-Primitive setting</li> <li>•WROS: Primitive to Semi-Primitive</li> </ul>	<ul style="list-style-type: none"> <li>•Natural, primarily unmodified</li> <li>•ROS: Typically Semi-Primitive to Roaded Natural setting</li> <li>•WROS: Semi-Primitive to Transition</li> </ul>	<ul style="list-style-type: none"> <li>•May be modified</li> <li>•ROS: Typically Roaded Natural to Rural setting</li> <li>•WROS: Transition (rarely present in Wilderness)</li> </ul>	<ul style="list-style-type: none"> <li>•Can be highly modified</li> <li>•ROS: Typically Rural to Urban setting</li> <li>•Commonly associated with Visitor Centers or high-use recreation sites</li> <li>•Not present in Wilderness</li> </ul>