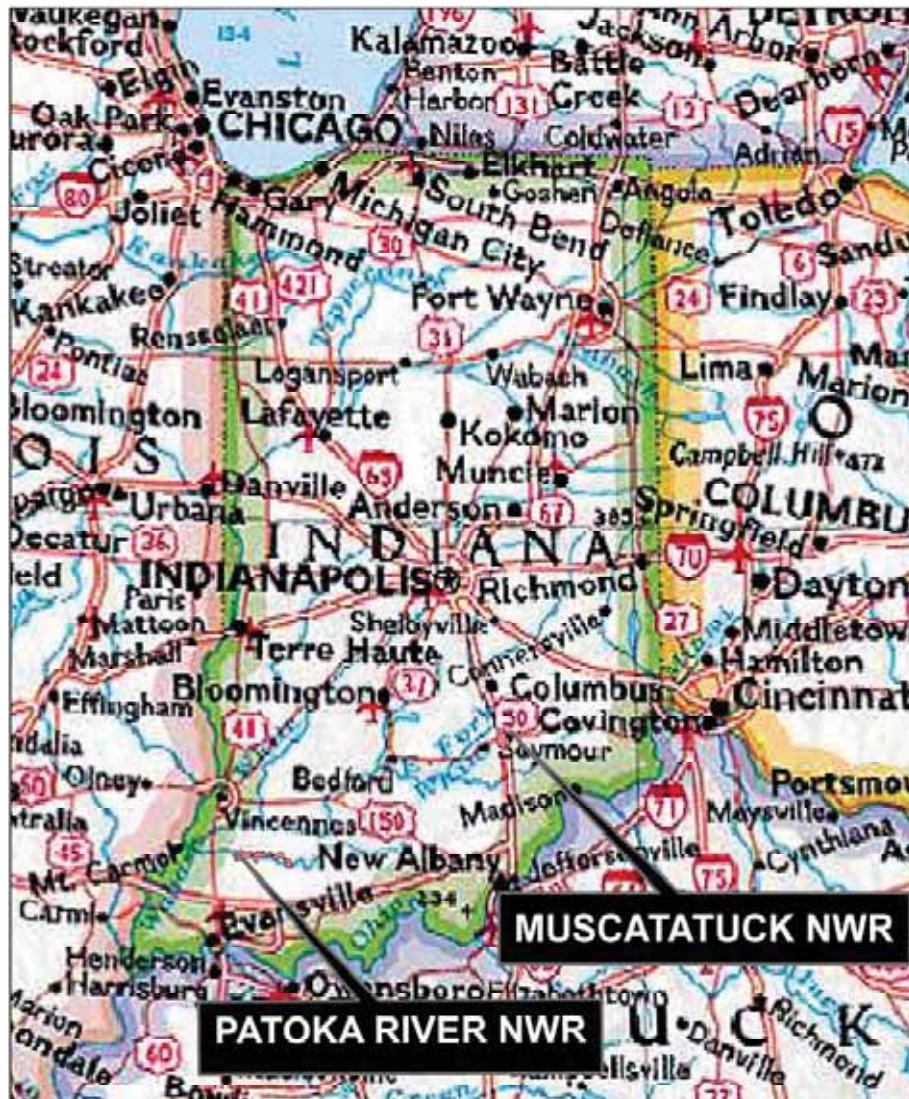


The Trail Inventory of U.S. Fish and Wildlife Service Stations In INDIANA



50 25 0 50 Miles



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



TABLE OF CONTENTS

<u>CHAPTER</u>		<u>PAGE</u>
1.	<u>IN STATE SUMMARY</u>	
	Table of Contents	1-1
	List of Refuges	1-2
	Mileage by Trail Class, Condition, and Surface	1-3
2-3.	<u>REFUGE SUMMARIES</u>	
	Mileage by Trail Class, Condition, and Surface	X-1
	Trail Location Map	X-2
	Trail Identification	X-3
	Condition and Deficiency Sheets	X-4
	Photographic Sheets	X-5
4.	<u>APPENDIX</u>	
	Glossary of Terms and Abbreviations	4-1
	Trail Classification System	4-4

FWS Stations in Indiana with Trails

Station Name	Trail Miles	Chapter
Muscatatuck NWR	9.95	2
Patoka River NWR	1.07	3

Indiana 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	0.63	6%	0.14	1%	3.50	32%		0%	1.31	12%		0%	5.58
Gravel	0.71	6%		0%		0%		0%		0%		0%	0.71
Asphalt	0.10	1%		0%		0%		0%		0%		0%	0.10
Concrete	0.07	1%		0%		0%		0%		0%		0%	0.07
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.36	3%		0%		0%		0%		0%		0%	0.36
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	1.38	13%	1.50	14%	0.40	4%	0.22	2%	0.70	6%		0%	4.20
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	3.25	29%	1.64	15%	3.90	35%	0.22	2%	2.01	18%	0.00	0%	11.02

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	0.02	0%		0%		0%		0%		0%		0%	0.02
TC3	2.70	25%	1.64	15%	3.90	35%	0.22	2%	2.01	18%		0%	10.47
TC4	0.06	1%		0%		0%		0%		0%		0%	0.06
TC5	0.47	4%		0%		0%		0%		0%		0%	0.47
Totals	3.25	29%	1.64	15%	3.90	35%	0.22	2%	2.01	18%	0.00	0%	11.02

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

The Trail Inventory of Muscatatuck National Wildlife Refuge Seymour, Indiana



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



Muscatatuck 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	0.41	4%	0.14	1%	3.50	35%		0%	1.31	13%		0%	5.36
Gravel	0.51	5%		0%		0%		0%		0%		0%	0.51
Asphalt	0.10	1%		0%		0%		0%		0%		0%	0.10
Concrete	0.07	1%		0%		0%		0%		0%		0%	0.07
Turnpike		0%		0%		0%		0%		0%		0%	0.00
Boardwalk	0.33	3%		0%		0%		0%		0%		0%	0.33
Puncheon		0%		0%		0%		0%		0%		0%	0.00
Woodchips		0%		0%		0%		0%		0%		0%	0.00
Mowed	1.16	12%	1.50	15%		0%	0.22	2%	0.70	7%		0%	3.58
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	2.58	26%	1.64	16%	3.50	35%	0.22	2%	2.01	20%	0.00	0%	9.95

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	2.08	21%	1.64	16%	3.50	35%	0.22	2%	2.01	20%		0%	9.45
TC4	0.06	1%		0%		0%		0%		0%		0%	0.06
TC5	0.44	4%		0%		0%		0%		0%		0%	0.44
Totals	2.58	26%	1.64	16%	3.50	35%	0.22	2%	2.01	20%	0.00	0%	9.95

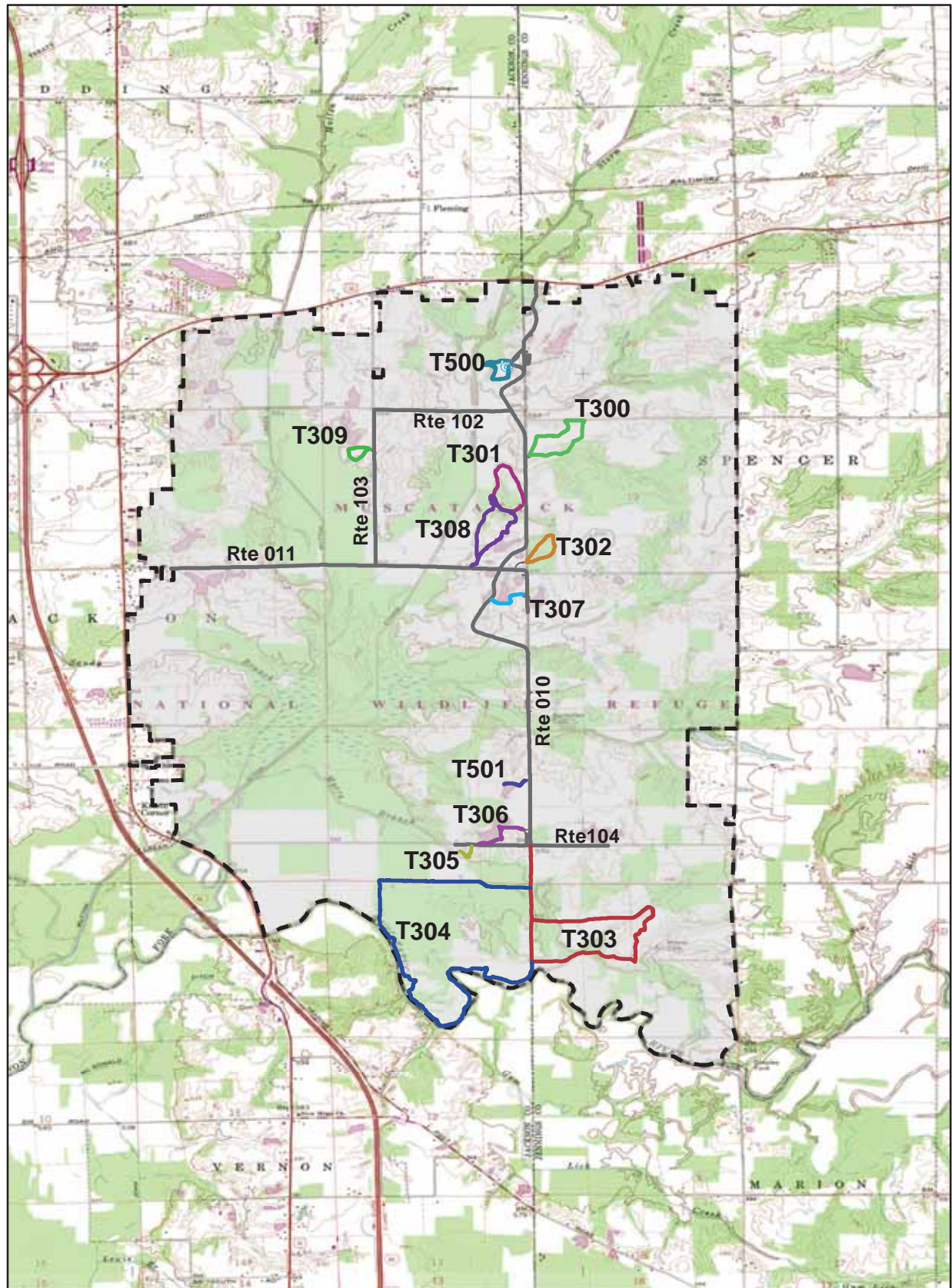
* Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Sign	1	No	0.00	1003
T300	Lookout/Ob Deck	1	No	0.36	N/A
T300	Culvert -lf	20	No	0.38	N/A
T300	Sign	2	No	0.46	1005
T300	Culvert -lf	15	No	0.67	N/A
T300	Culvert -lf	20	No	0.73	N/A
T301	Sign	1	No	0.00	1013
T301	Sign	3	No	0.09	1015
T301	Sign	2	No	0.22	1019
T301	Culvert -lf	10	No	0.59	N/A
T302	Sign	1	No	0.00	1025
T302	Sign	10	Yes	0.05	1026
T302	Culvert -lf	15	No	0.05	N/A
T302	Bridge -sf	200	No	0.31	1033
T302	Bridge -sf	75	No	0.32	1034
T302	Bridge -sf	60	No	0.34	1036
T302	Culvert -lf	50	No	0.00	N/A
T303	Sign	1	No	0.00	1042
T303	Gate	1	No	0.00	N/A
T303	Sign	2	No	0.42	1045
T303	Bridge -sf	150	No	0.54	1046
T303	Sign	1	No	1.50	1050
T303	Bench	1	No	1.50	N/A
T303	Other	1	No	1.63	1052
T303	Sign	2	No	1.75	1055
T303	Sign	2	No	2.05	1058
T303	Culvert -lf	20	No	2.30	N/A
T304	Sign	1	No	0.86	1881
T304	Culvert -lf	15	No	0.85	N/A
T304	Culvert -lf	30	No	0.99	N/A
T305	Bridge -sf	100	No	0.05	1068
T305	Sign	1	No	0.06	1069
T305	Sign	2	No	0.10	1072
T305	Step: Log -each	17	Yes	0.11	N/A
T305	Bench	2	No	0.14	N/A
T305	Other	1	No	0.14	1075
T305	Sign	1	No	0.14	1075
T306	Sign	4	No	0.00	1077
T306	Sign	4	No	0.31	1086
T307	Sign	1	No	0.00	1091
T307	Culvert -lf	25	No	0.14	N/A
T308	Sign	1	No	0.00	1883
T308	Sign	2	No	0.96	1885-6
T308	Bridge -sf	75	No	0.15	1888
T308	Sign	1	No	0.26	1891
T308	Sign	1	No	0.32	1892
T308	Sign	1	No	0.42	1893
T308	Culvert -lf	6	No	0.44	N/A
T308	Sign	3	No	0.50	1896
T308	Sign	2	No	0.50	1897
T308	Bridge -sf	60	No	0.53	1903

T308	Sign	2	No	0.83	1908
T308	Sign	2	No	0.84	1909
T308	Culvert -lf	25	No	0.91	N/A
T309	Sign	1	No	0.00	1909
T309	Sign	1	No	0.00	1910
T309	Sign	1	No	0.08	1915
T500	Sign	1	No	0.00	0997
T500	Sign	13	Yes	0.02	0998
T500	Culvert -lf	15	No	0.05	N/A
T500	Bench	1	No	0.08	N/A
T500	Step: Log -each	20	No	0.07	N/A
T500	Culvert -lf	15	No	0.16	N/A
T500	Culvert -lf	15	No	0.17	N/A
T500	Bench	1	No	0.29	N/A
T500	Culvert -lf	15	No	0.31	N/A
T500	Culvert -lf	16	No	0.33	N/A
T500	Bench	1	No	0.36	N/A
T501	Sign	4	No	0.00	1087
sf-square feet					
lf-linear feet					
cf-cubic feet					

MUSCATATUCK NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



 Station Boundary

@ HQ/VC

 Miles
0 1 2

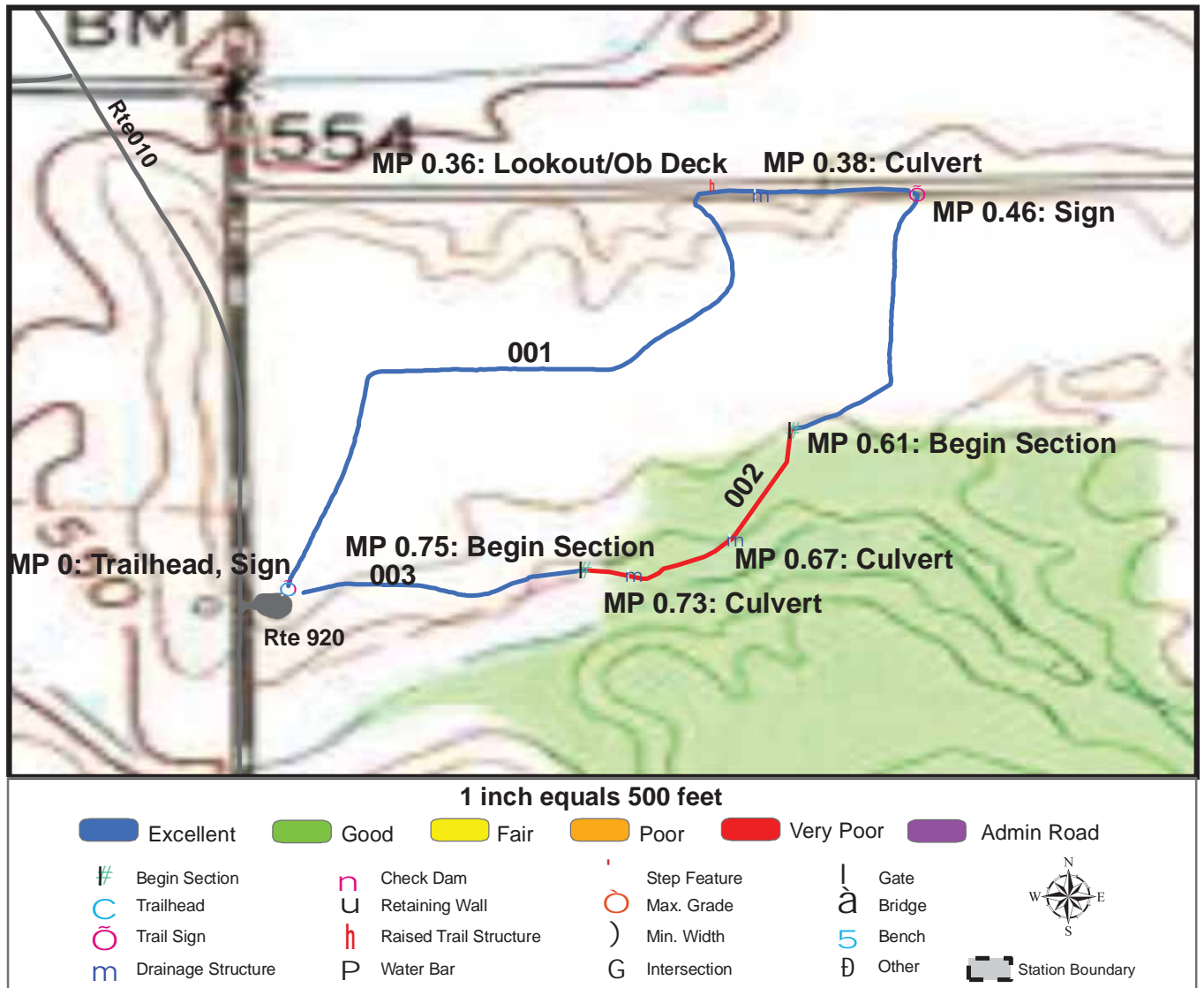
TRAILS ID

Station Name: Muscatatuck NWR

Org. Code: 31530

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Richart Trail	Mowed, Native	10054481	0.88	From Hackman Overlook Parking (Rte 920) to end of trail loop
T301	Bird Trail	Native	N/A	0.71	From Bird Trail Parking (Rte 921) to end of trail loop
T302	Wood Duck Trail	Gravel	N/A	0.49	From Storm Creek Parking (Rte 913) to end of trail loop
T303	River Trail - East	Mowed, Native	10054487	2.31	From Myers Cabin/Lake Linda Road (Rte 104) to Sec 001
T304	River Trail - West	Native	10054487	3	From River Trail - East (T303) North intersection to River Trail - East (T303) South intersection
T305	Myer's Cabin Trail	Native	10054487	0.14	From Myers Cabin South roadside Parking (Rte 910) to end of trail
T306	Persimmon Ponds Trail	Mowed	10054486	0.36	From Persimmon Pond Parking A (Rte 907) to Myers Cabin/Lake Linda Road (Rte 104)
T307	Mallard Pond Trail	Mowed	10054482	0.22	From Mallard Pond Parking (Rte 916) to County Line Road (Rte 010)
T308	Turkey Trail	Native	N/A	0.96	From Turkey Trail Parking (Rte 912) to end of trail loop
T309	Endicott Trail	Mowed, Native	10054484	0.3	From Endicott Trail Parking (Rte 919) to end of trail loop
T500	Chestnut Ridge Trail	Asphalt, Gravel, Boardwalk	10010623	0.45	From Visitor Center Parking A (Rte 901) to Visitor's Center
T501	Sandhill Ponds Trail	Concrete, Mowed	10049634	0.13	From Sandhill Ponds Parking (Rte 925) to end of trail

TRAIL CONDITION



Trail Name: Richart Trail

Refuge Name: Muscatatuck NWR

Trail Number: T300

Region: 3

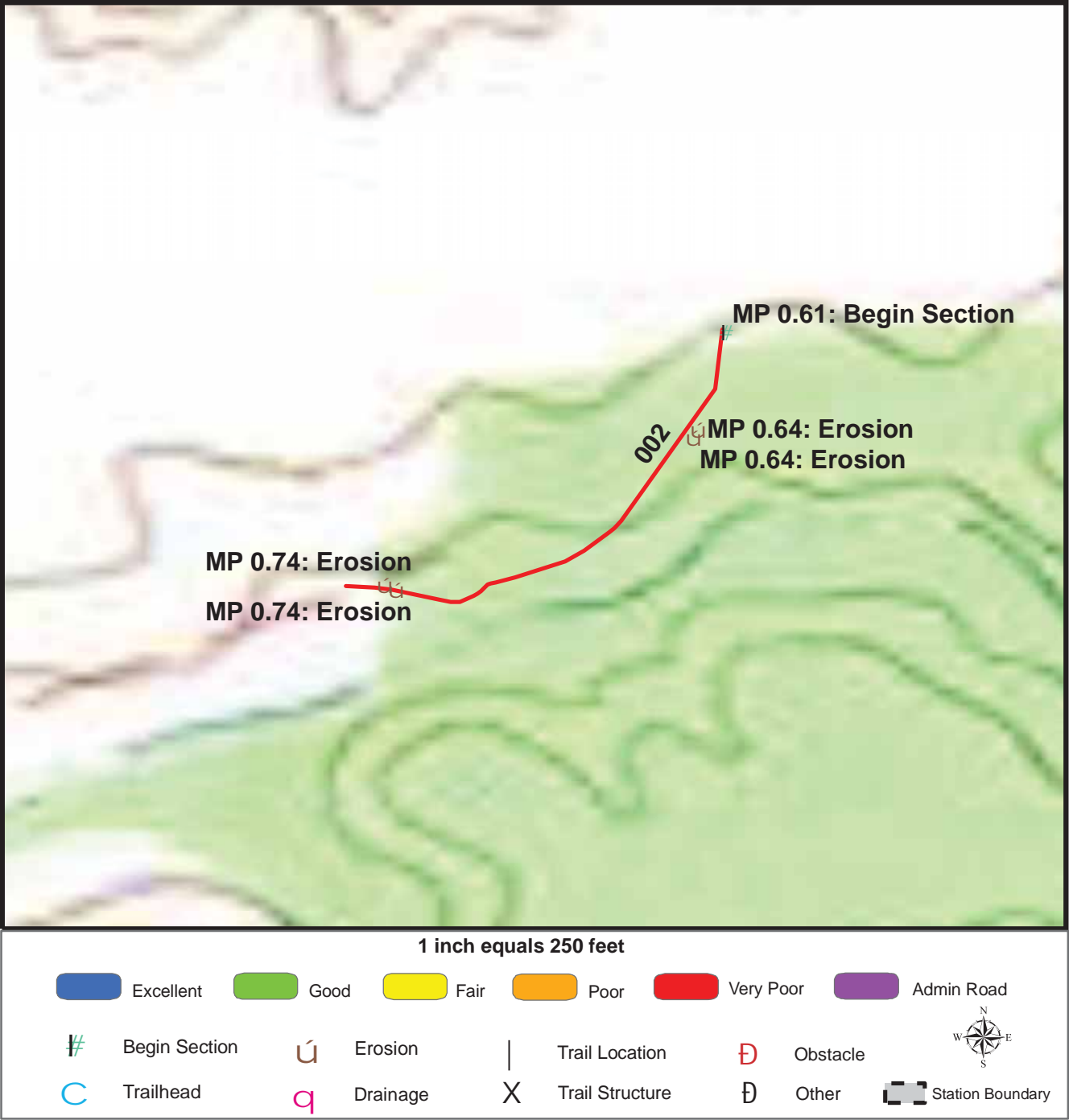
TOTAL LENGTH: 0.88 Miles

Section Number	001	002	003		
Section Length (miles)	0.61	0.14	0.13		
SAMMS Number	10054481	10054481	10054481		
Rating Date	10/20/2006	10/20/2006	10/20/2006		
Trail Section Information					
Trail Class	TC3	TC3	TC3		
Surface Type	Mowed	Native	Mowed		
Surface Firmness	Firm	Firm	Firm		
Width (inches)	105	72	105		
Average Grade (%)	1.3	1.3	1.3		
Average X-slope (%)	1.4	1.4	1.4		
Trail Condition Information					
Deferred Maintenance	\$0	\$8800	\$0		
CRV	\$32500	\$22500	\$6300		
FCI	0	0.391	0		
Condition	Excellent	Very Poor	Excellent		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$8800	\$61300	0.144	Poor

TRAIL DEFICIENCY



Trail Name: Richart Trail

Refuge Name: Muscatatuck NWR

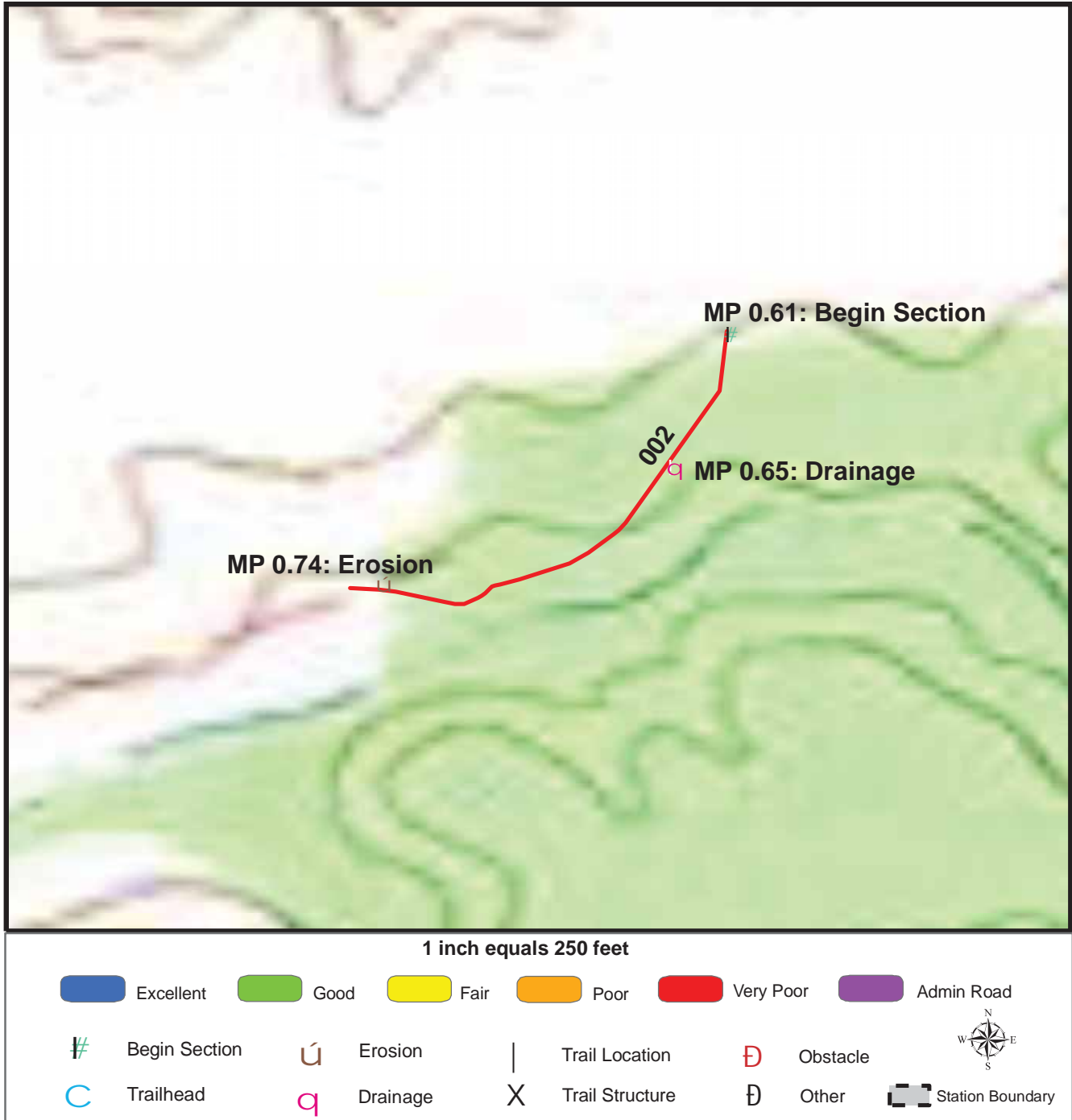
Trail Number: T300

Region: 3

TOTAL LENGTH: 0.88 Miles

Mile Post	0.64	0.64	0.74	0.74
Section Number	002	002	002	002
Photo Number	1007	1007	1009	1009
Deficiency	Erosion	Erosion	Erosion	Erosion
Action	Build/Add	Repair	Repair	Build/Add
Item	Water Bar:Wood -each	Tread -sf	Tread -sf	Drainage Ditch -lf
Quantity	3	300	100	25
Deferred Maintenance	\$300	\$700	\$300	\$100

TRAIL DEFICIENCY



Trail Name: Richart Trail

Refuge Name: Muscatatuck NWR

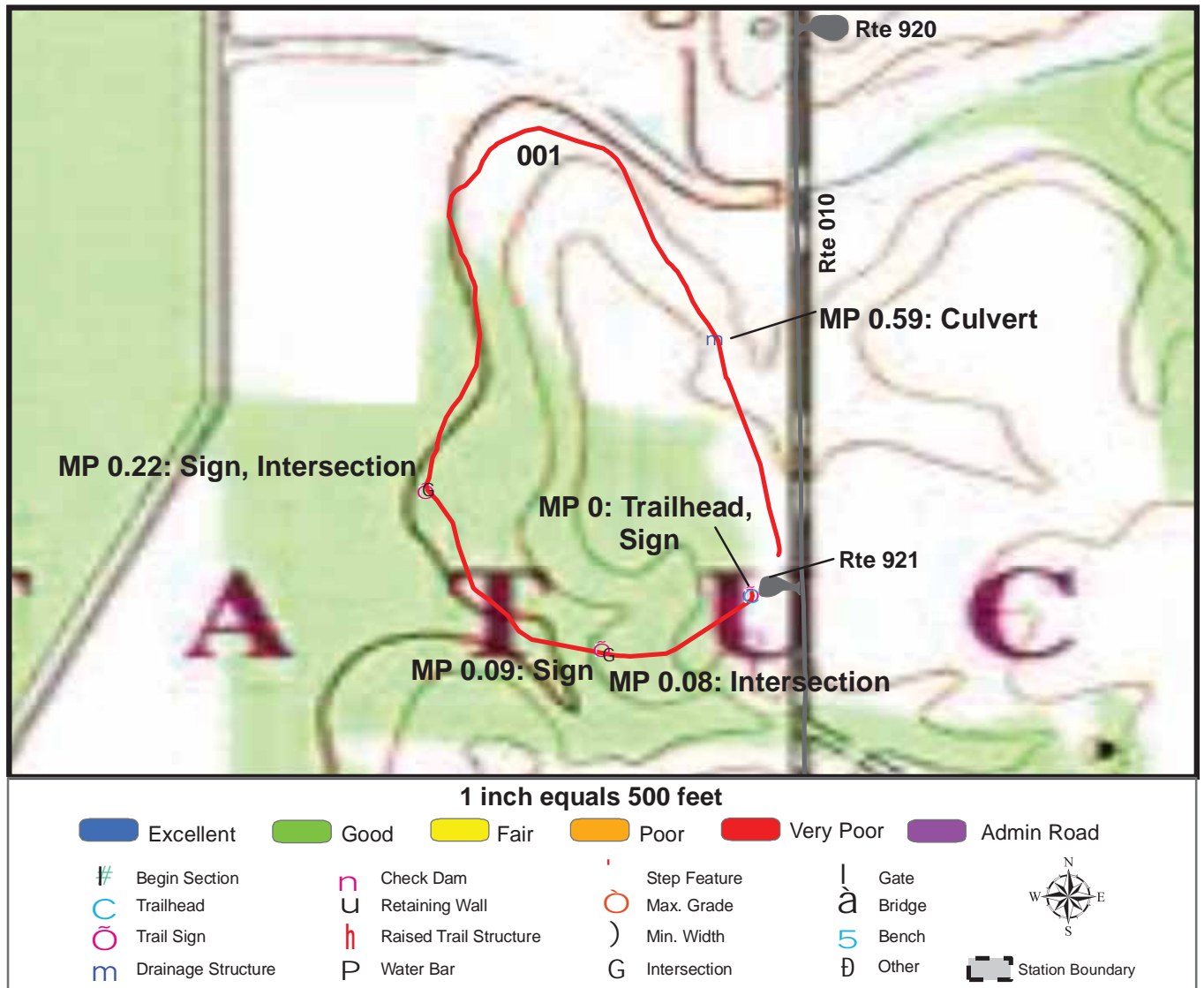
Trail Number: T300

Region: 3

TOTAL LENGTH: 0.88 Miles

Mile Post	0.74	0.65		
Section Number	002	002		
Photo Number	1009	1008		
Deficiency	Erosion	Drainage		
Action	Build/Add	Build/Add		
Item	Water Bar:Wood -each	Turnpike -lf		
Quantity	2	150		
Deferred Maintenance	\$200	\$7100		

TRAIL CONDITION



Trail Name: Bird Trail

Refuge Name: Muscatatuck NWR

Trail Number: T301

Region: 3

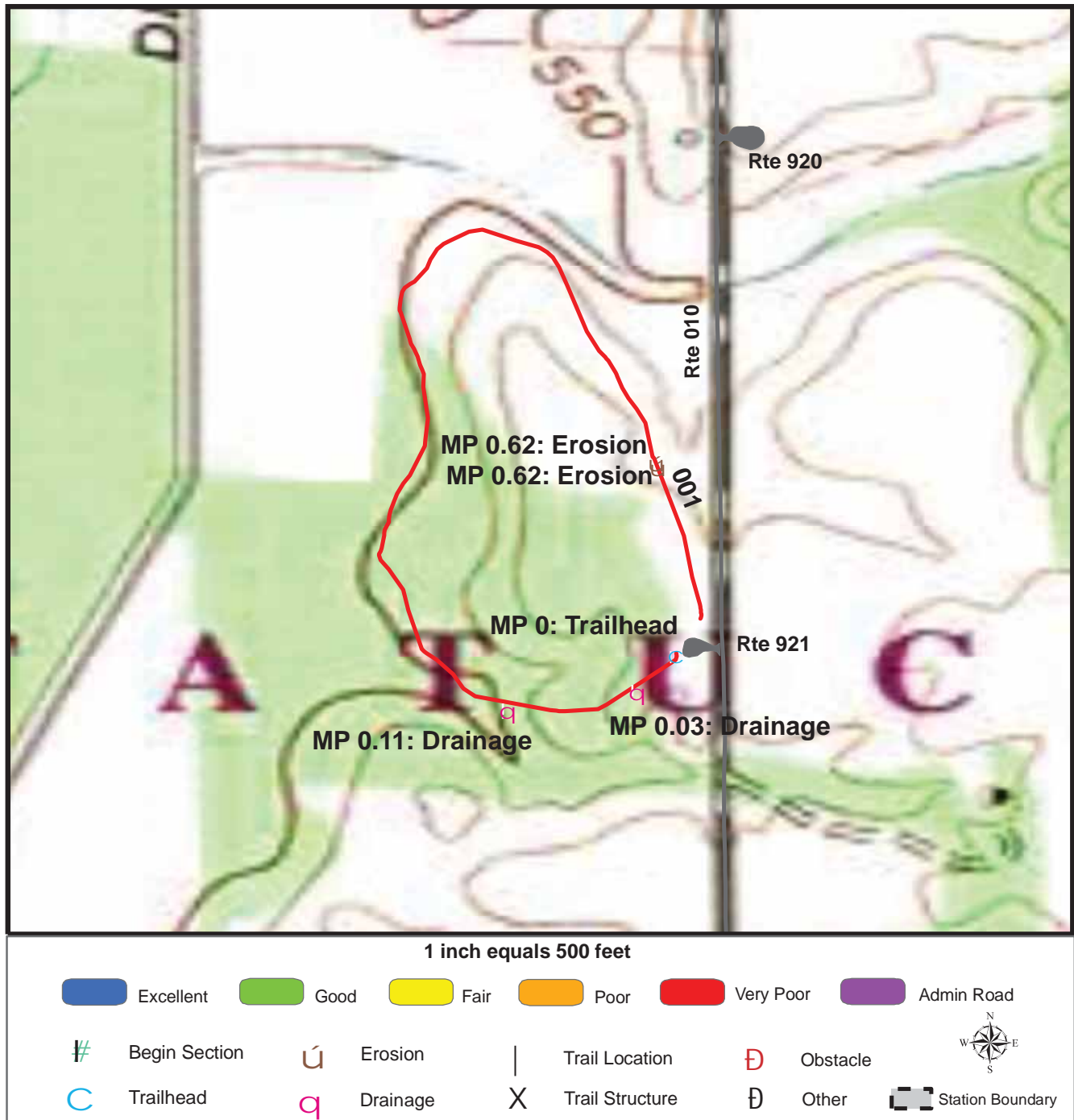
TOTAL LENGTH: 0.71 Miles

Section Number	001				
Section Length (miles)	0.71				
SAMMS Number	N/A				
Rating Date	10/20/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	40				
Average Grade (%)	2.6				
Average X-slope (%)	1.9				
Trail Condition Information					
Deferred Maintenance	\$14900				
CRV	\$54800				
FCI	0.272				
Condition	Very Poor				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$14900	\$54800	0.272	Very Poor

TRAIL DEFICIENCY



Trail Name: Bird Trail

Refuge Name: Muscatatuck NWR

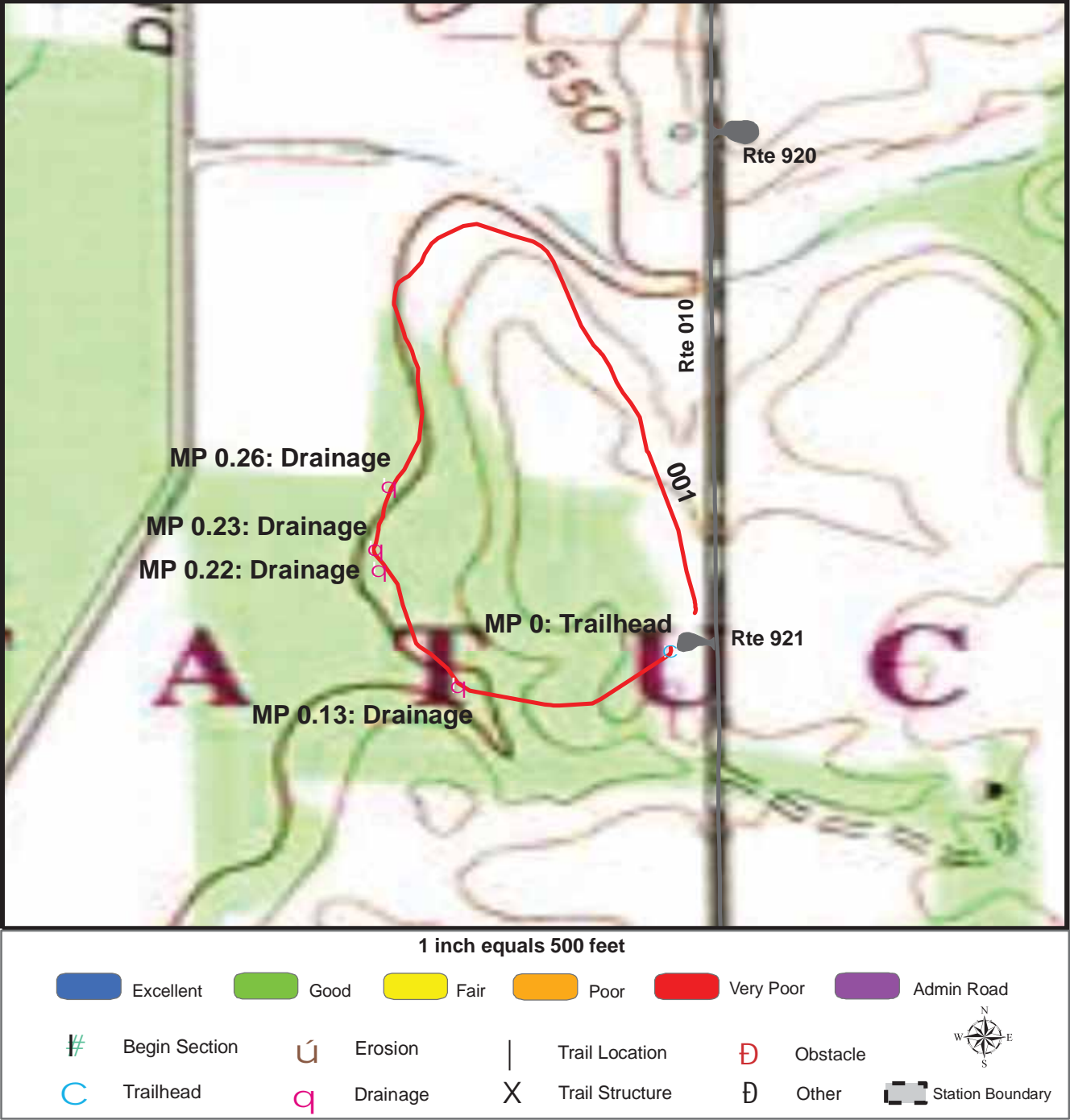
Trail Number: T301

Region: 3

TOTAL LENGTH: 0.71 Miles

Mile Post	0.62	0.62	0.03	0.11
Section Number	001	001	001	001
Photo Number	1024	1024	1014	1016
Deficiency	Erosion	Erosion	Drainage	Drainage
Action	Build/Add	Repair	Build/Add	Build/Add
Item	Water Bar:Wood -each	Tread -sf	Turnpike -lf	Turnpike -lf
Quantity	2	75	30	75
Deferred Maintenance	\$200	\$200	\$1500	\$3600

TRAIL DEFICIENCY



Trail Name: Bird Trail

Refuge Name: Muscatatuck NWR

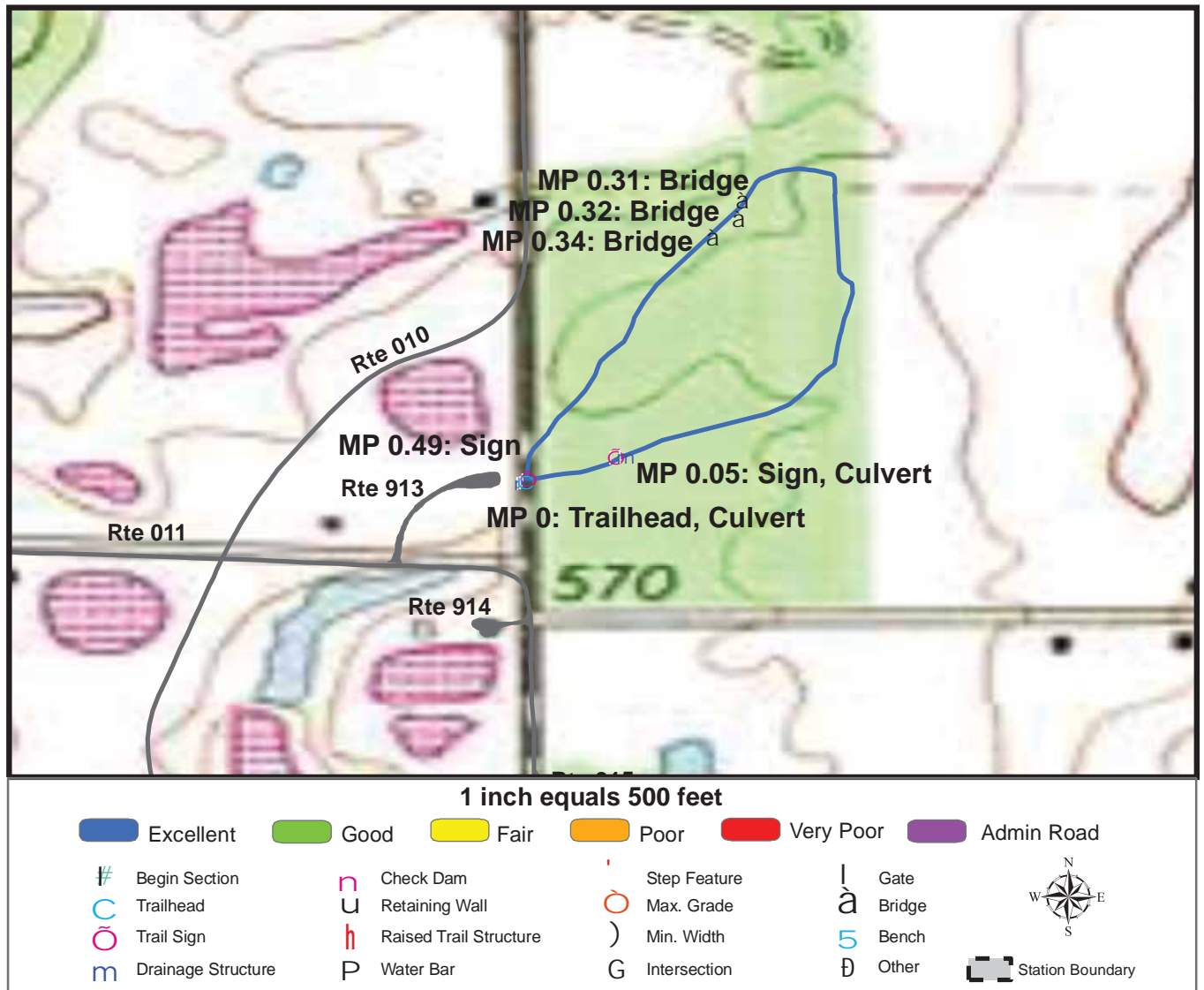
Trail Number: T301

Region: 3

TOTAL LENGTH: 0.71 Miles

Mile Post	0.13	0.22	0.23	0.26
Section Number	001	001	001	001
Photo Number	1017	1018	1020	1022
Deficiency	Drainage	Drainage	Drainage	Drainage
Action	Build/Add	Build/Add	Build/Add	Build/Add
Item	Turnpike -lf	Turnpike -lf	Turnpike -lf	Boardwalk -lf
Quantity	100	50	15	40
Deferred Maintenance	\$4800	\$2400	\$800	\$1500

TRAIL CONDITION



Trail Name: Wood Duck Trail

Refuge Name: Muscatatuck NWR

Trail Number: T302

Region: 3

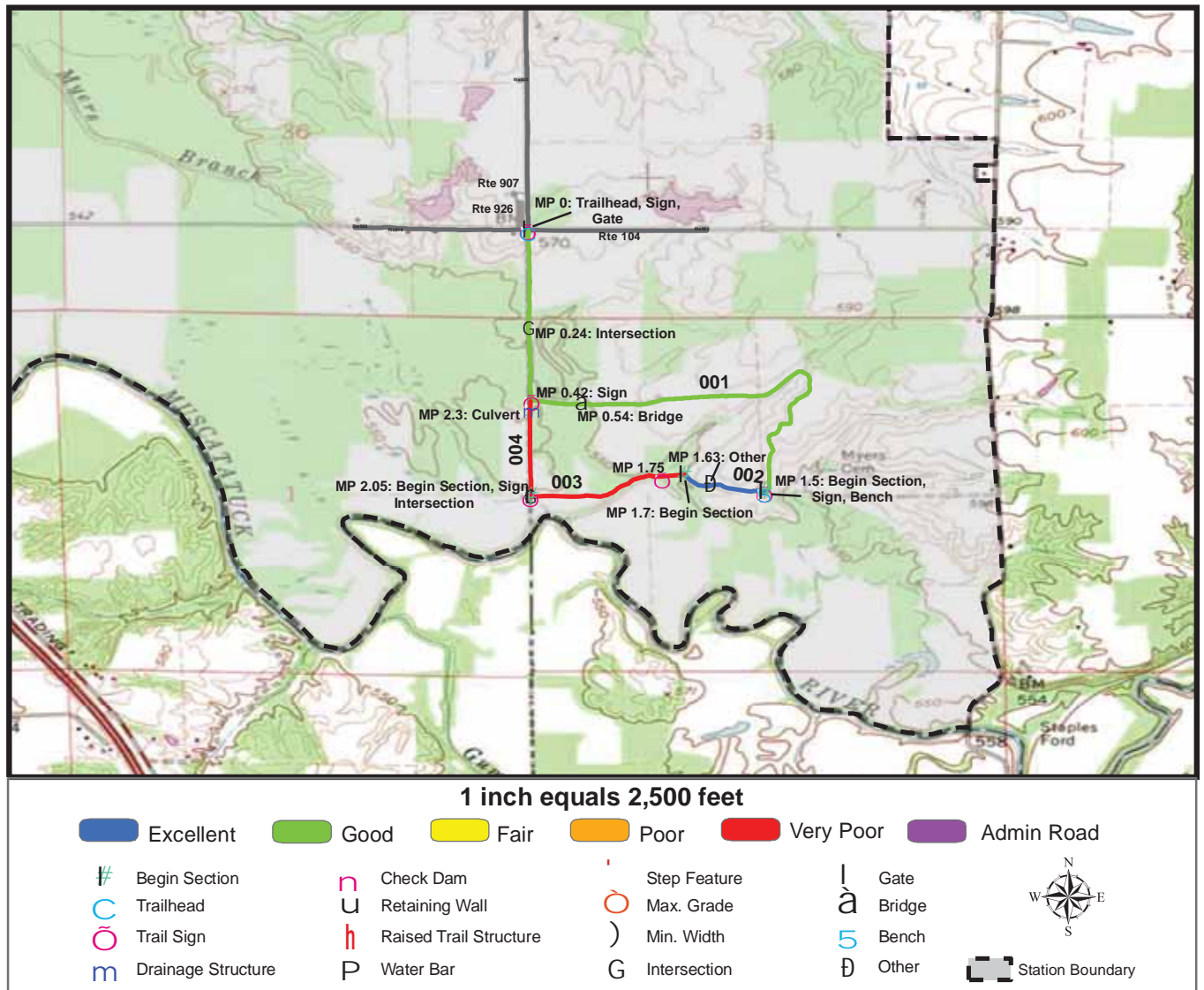
TOTAL LENGTH: 0.49 Miles

Section Number	001				
Section Length (miles)	0.49				
SAMMS Number	N/A				
Rating Date	10/20/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Gravel				
Surface Firmness	Firm				
Width (inches)	48				
Average Grade (%)	4.4				
Average X-slope (%)	1.4				
Trail Condition Information					
Deferred Maintenance	\$0				
CRV	\$74300				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$74300	0	Excellent

TRAIL CONDITION



Trail Name: River Trail - East

Refuge Name: Muscatatuck NWR

Trail Number: T303

Region: 3

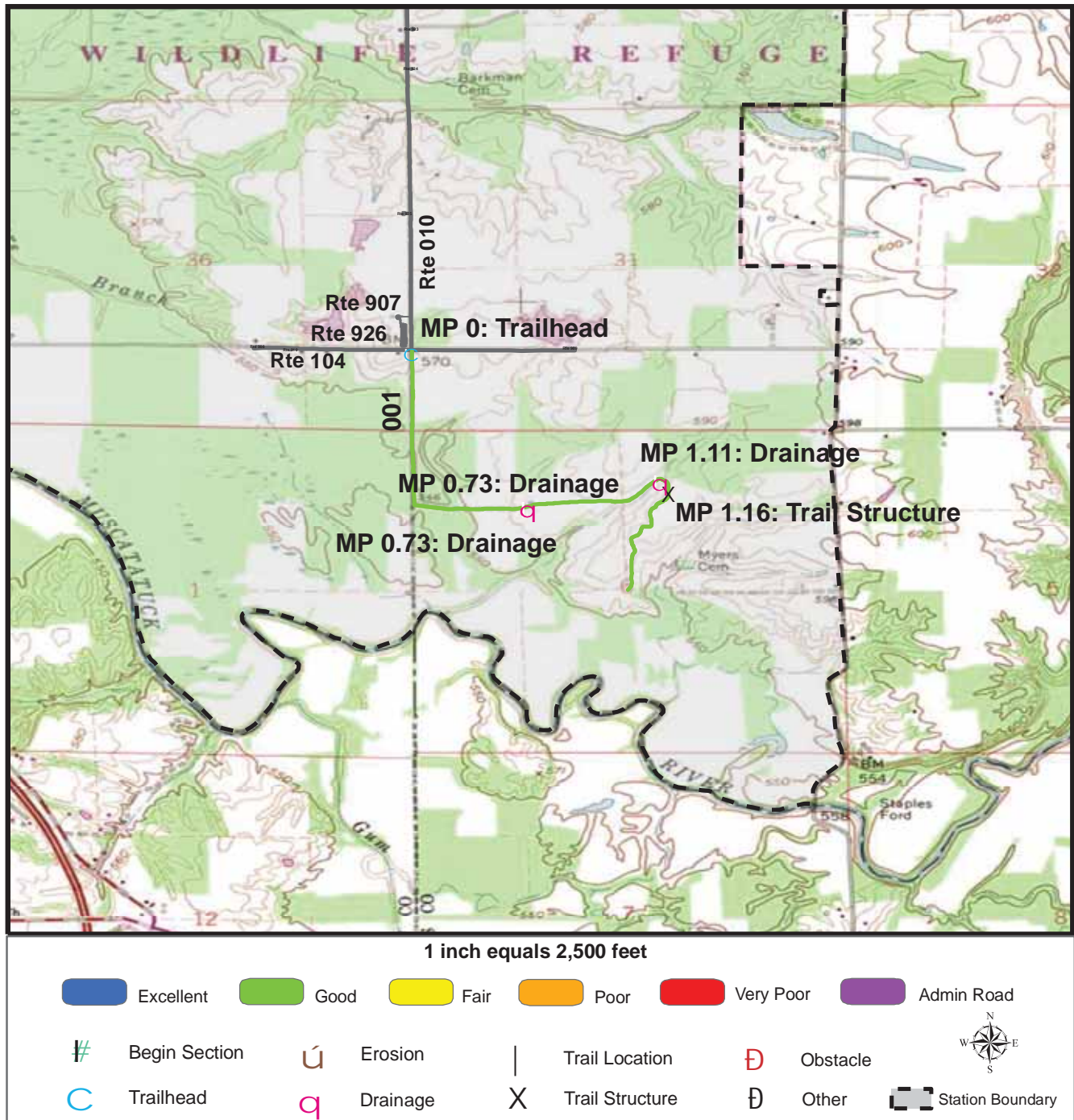
TOTAL LENGTH: 2.31 Miles

Section Number	001	002	003	004
Section Length (miles)	1.5	0.19	0.35	0.27
SAMMS Number	10054487	10054487	10054487	10054487
Rating Date	10/21/2006	10/21/2006	10/21/2006	10/21/2006
Trail Section Information				
Trail Class	TC3	TC3	TC3	TC3
Surface Type	Mowed	Native	Mowed	Mowed
Surface Firmness	Firm	Firm	Firm	Firm
Width (inches)	108	84	84	108
Average Grade (%)	2.5	2.5	2.5	2.5
Average X-slope (%)	1.5	1.5	1.5	1.5
Trail Condition Information				
Deferred Maintenance	\$4100	\$0	\$7000	\$5300
CRV	\$86700	\$30700	\$14100	\$15700
FCI	0.047	0	0.496	0.338
Condition	Good	Excellent	Very Poor	Very Poor

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$16400	\$147200	0.111	Poor

TRAIL DEFICIENCY



Trail Name: River Trail - East

Refuge Name: Muscatatuck NWR

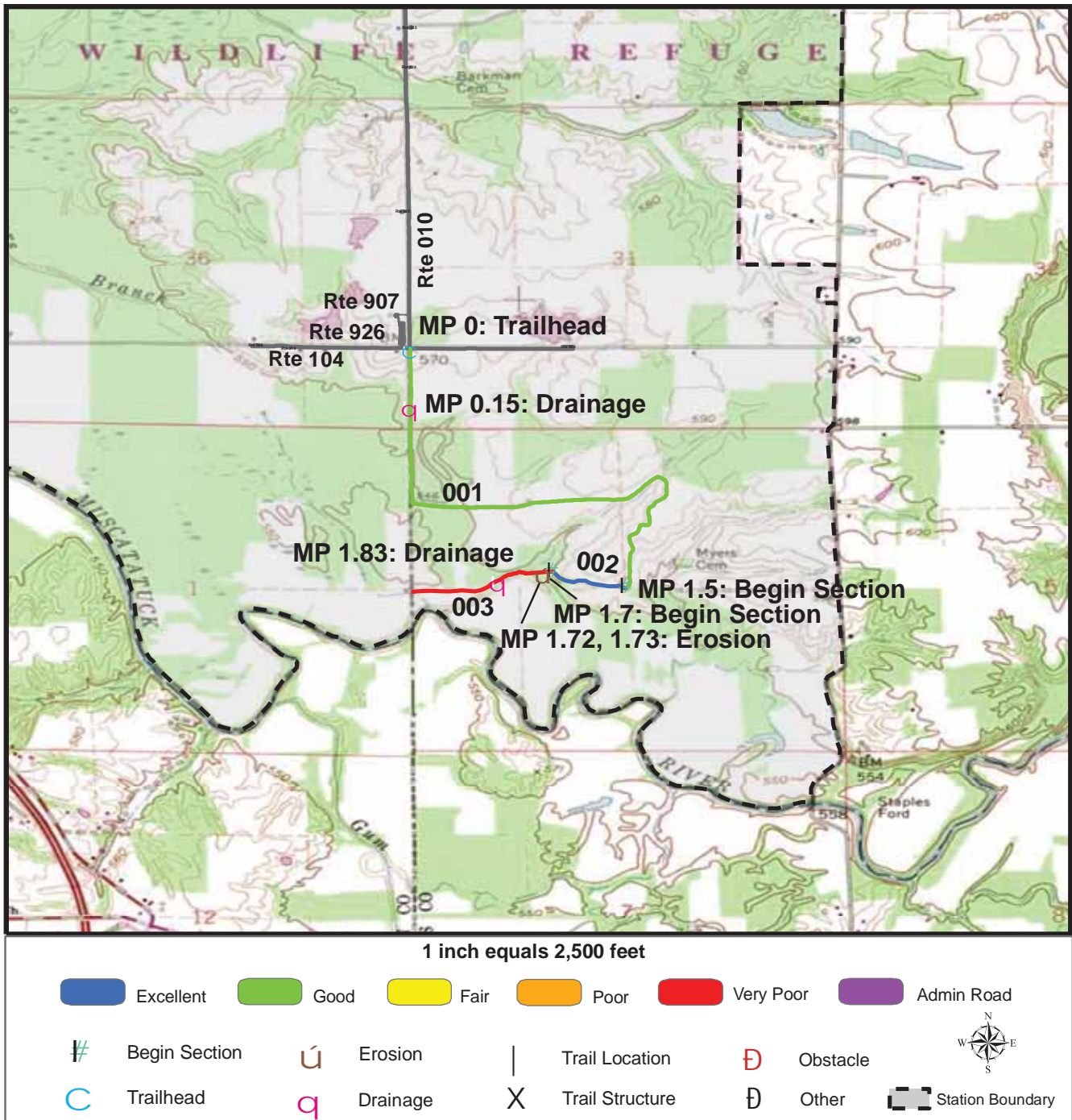
Trail Number: T303

Region: 3

TOTAL LENGTH: 2.31 Miles

Mile Post	1.16	0.73	0.73	1.11
Section Number	001	001	001	001
Photo Number	1049	1047	1047	1048
Deficiency	Trail Structure	Drainage	Drainage	Drainage
Action	Replace	Build/Add	Build/Add	Build/Add
Item	Culvert -lf	Drainage Ditch -lf	Tread -sf	Culvert -lf
Quantity	15	2	50	20
Deferred Maintenance	\$1900	\$100	\$100	\$2000

TRAIL DEFICIENCY



Trail Name: River Trail - East

Refuge Name: Muscatatuck NWR

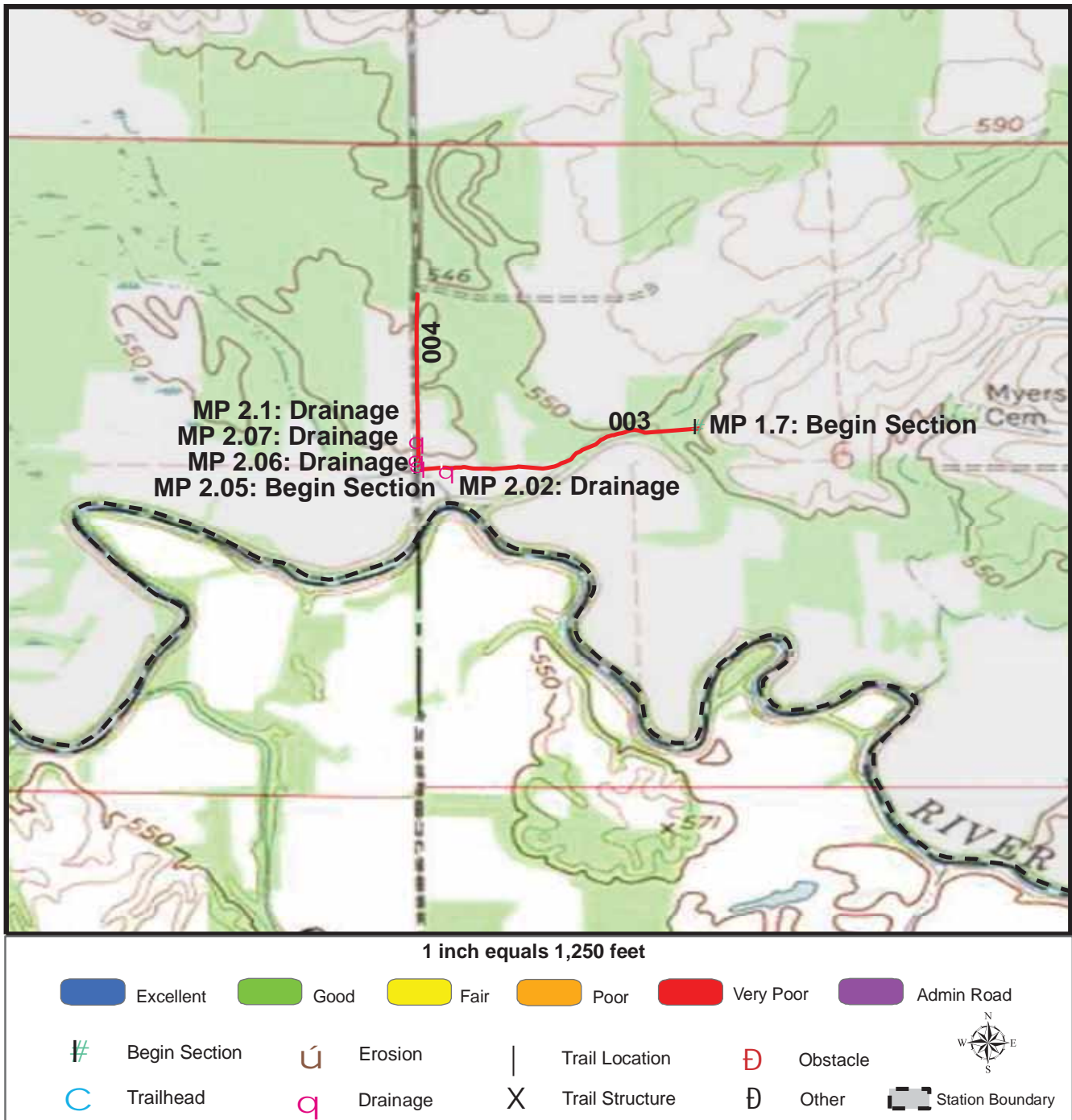
Trail Number: T303

Region: 3

TOTAL LENGTH: 2.31 Miles

Mile Post	0.15	1.72	1.73	1.83
Section Number	001	003	003	003
Photo Number	1065	1054	1054	1056
Deficiency	Drainage	Erosion	Erosion	Drainage
Action	Build/Add	Build/Add	Repair	Build/Add
Item	Culvert -lf	Culvert -lf	Tread -sf	Bridge -sf
Quantity	30	20	150	75
Deferred Maintenance	\$3000	\$2000	\$100	\$4200

TRAIL DEFICIENCY



Trail Name: River Trail - East

Refuge Name: Muscatatuck NWR

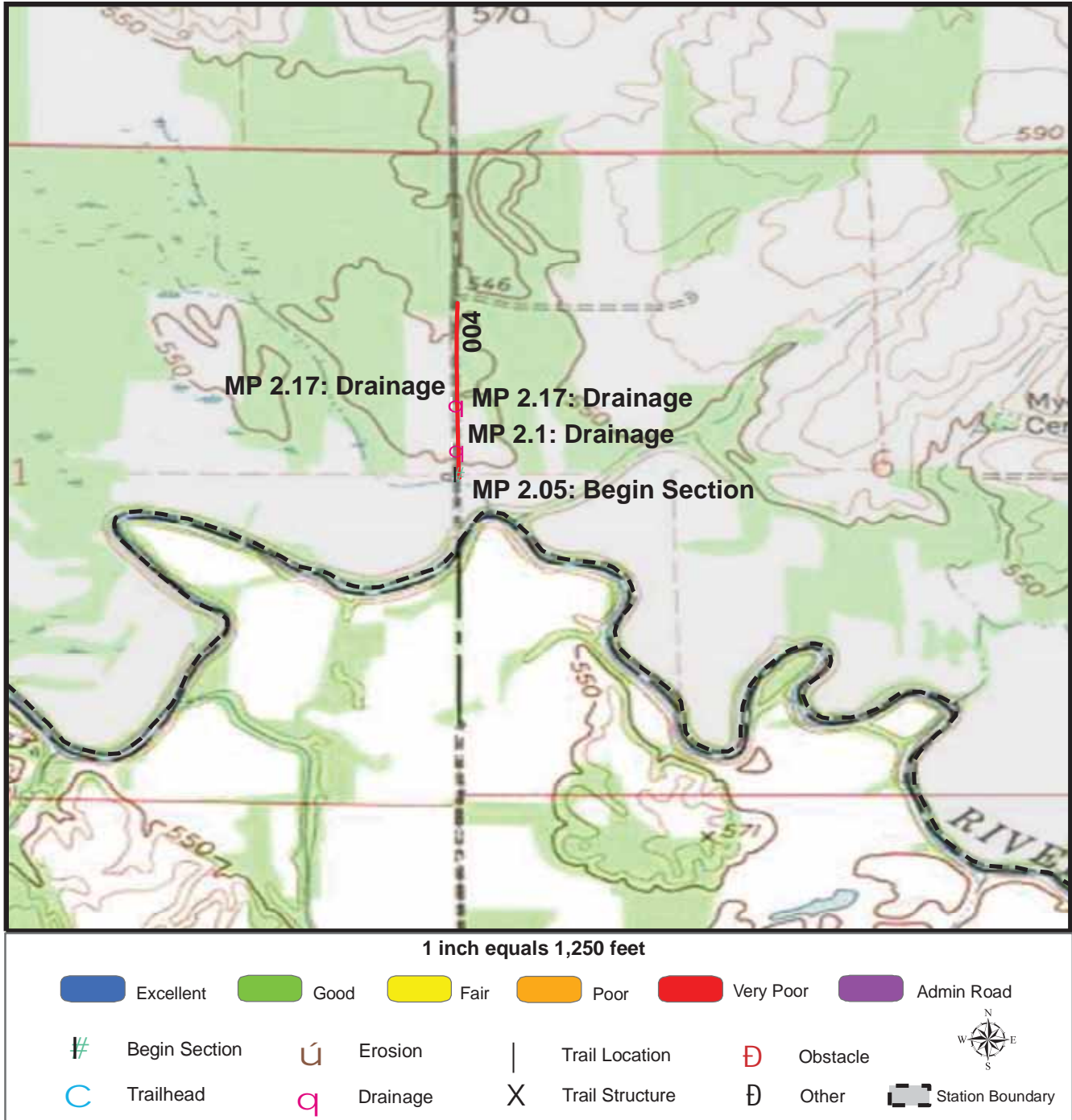
Trail Number: T303

Region: 3

TOTAL LENGTH: 2.31 Miles

Mile Post	2.02	2.06	2.07	2.1
Section Number	003	004	004	004
Photo Number	1057	1060	1061	1062
Deficiency	Drainage	Drainage	Drainage	Drainage
Action	Build/Add	Build/Add	Build/Add	Build/Add
Item	Drainage Ditch -lf	Drainage Ditch -lf	Drainage Dips -each	Drainage Dips -each
Quantity	150	200	2	3
Deferred Maintenance	\$600	\$900	\$200	\$200

TRAIL DEFICIENCY



Trail Name: River Trail - East

Refuge Name: Muscatatuck NWR

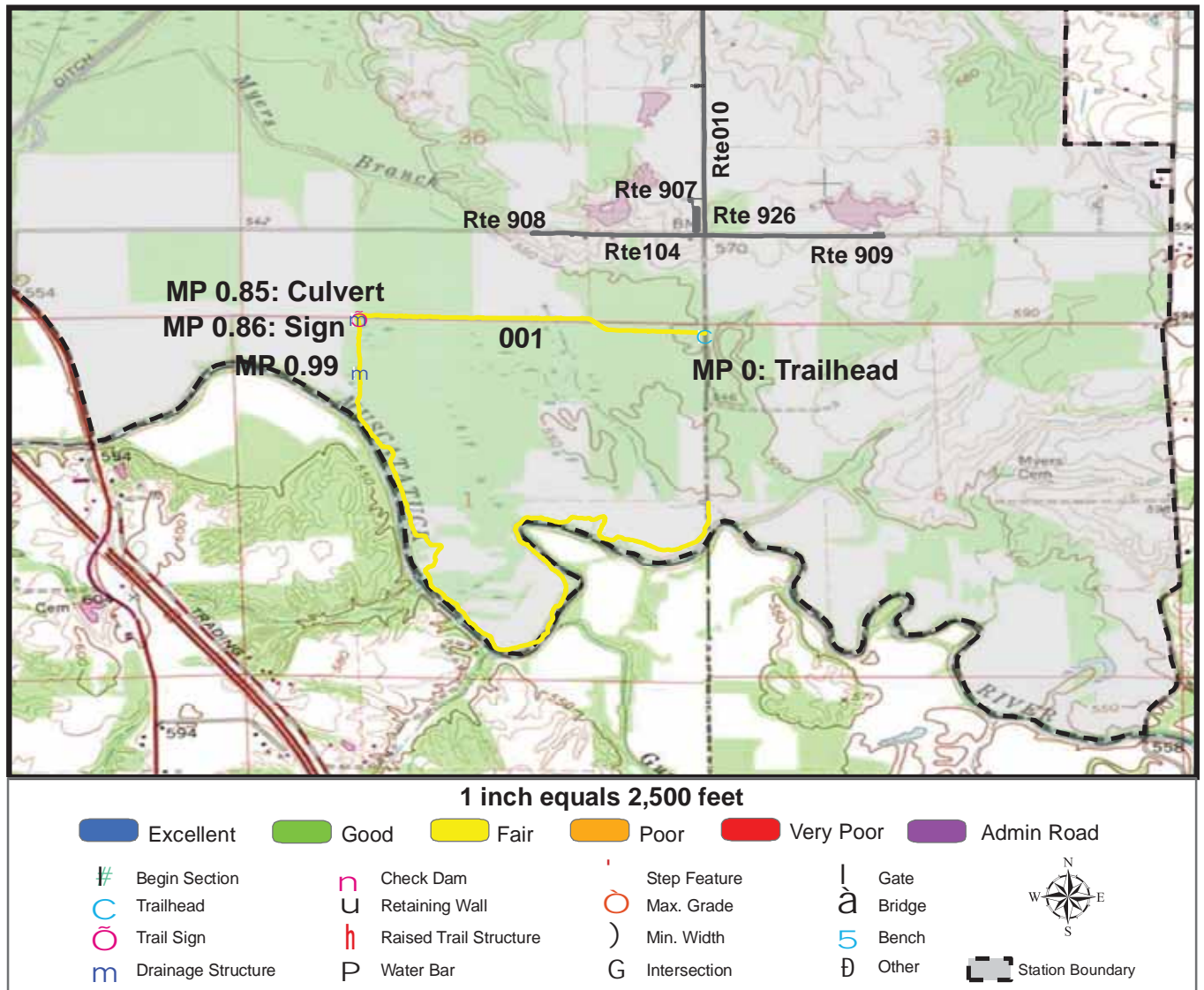
Trail Number: T303

Region: 3

TOTAL LENGTH: 2.31 Miles

Mile Post	2.1	2.17	2.17	
Section Number	004	004	004	
Photo Number	1062	1063	1063	
Deficiency	Drainage	Drainage	Drainage	
Action	Build/Add	Build/Add	Build/Add	
Item	Drainage Ditch -lf	Drainage Ditch -lf	Drainage Dips -each	
Quantity	100	100	2	
Deferred Maintenance	\$400	\$400	\$200	

TRAIL CONDITION



Trail Name: River Trail - West

Refuge Name: Muscatatuck NWR

Trail Number: T304

Region: 3

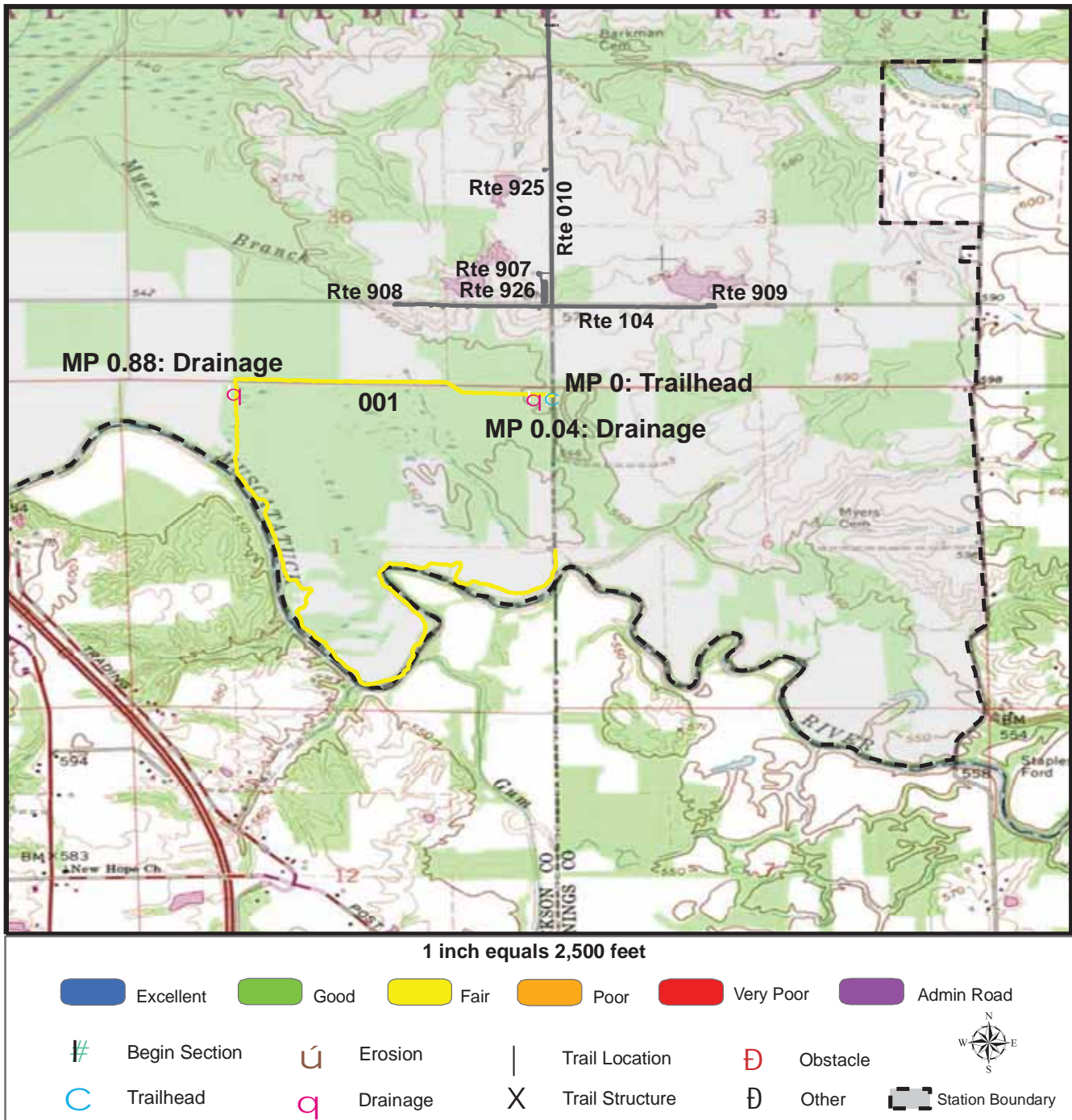
TOTAL LENGTH: 3 Miles

Section Number	001				
Section Length (miles)	3				
SAMMS Number	10054487				
Rating Date	10/21/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	84				
Average Grade (%)	2.5				
Average X-slope (%)	1.5				
Trail Condition Information					
Deferred Maintenance	\$29400				
CRV	\$482700				
FCI	0.061				
Condition	Fair				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$29400	\$482700	0.061	Fair

TRAIL DEFICIENCY



Trail Name: River Trail - West

Refuge Name: Muscatatuck NWR

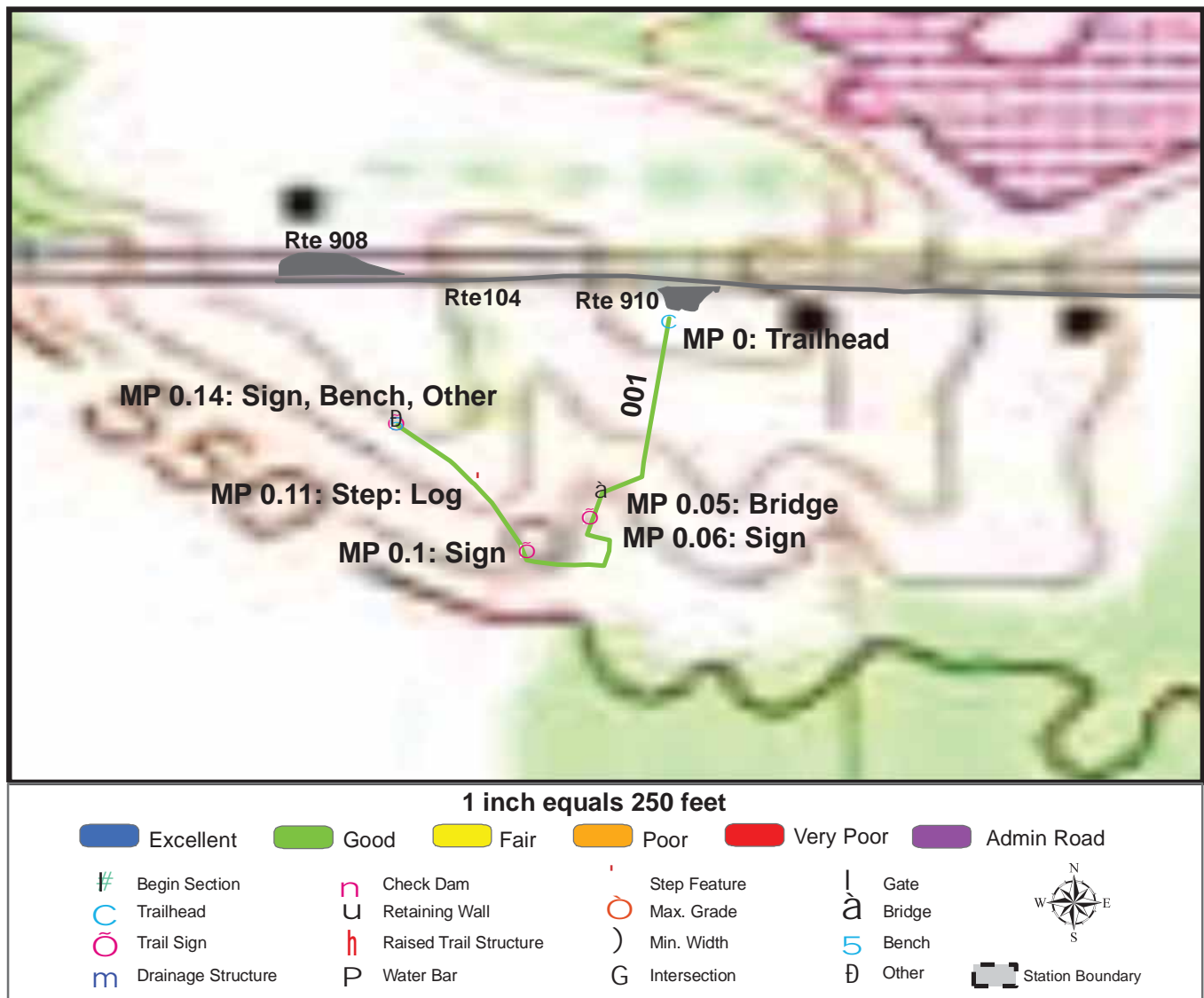
Trail Number: T304

Region: 3

TOTAL LENGTH: 3 Miles

Mile Post	0.04	0.88		
Section Number	001	001		
Photo Number	1880	1882		
Deficiency	Drainage	Drainage		
Action	Build/Add	Build/Add		
Item	Drainage Ditch -lf	Bridge -sf		
Quantity	350	500		
Deferred Maintenance	\$1500	\$28000		

TRAIL CONDITION



Trail Name: Myer's Cabin Trail

Refuge Name: Muscatatuck NWR

Trail Number: T305

Region: 3

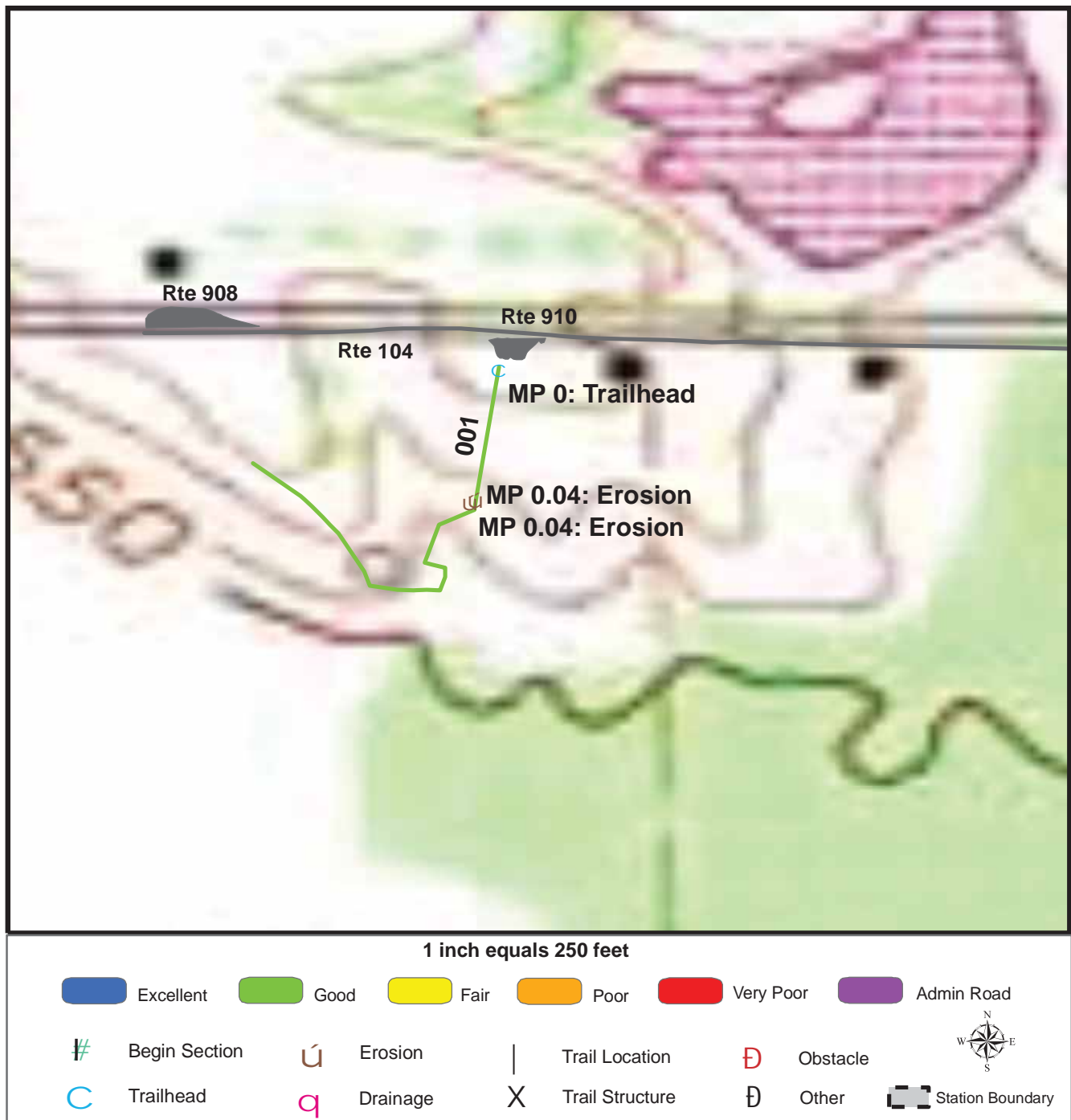
TOTAL LENGTH: 0.14 Miles

Section Number	001				
Section Length (miles)	0.14				
SAMMS Number	10054487				
Rating Date	10/21/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Native				
Surface Firmness	Firm				
Width (inches)	36				
Average Grade (%)	7.2				
Average X-slope (%)	0.8				
Trail Condition Information					
Deferred Maintenance	\$200				
CRV	\$17000				
FCI	0.012				
Condition	Good				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$200	\$17000	0.012	Good

TRAIL DEFICIENCY



Trail Name: Myer's Cabin Trail

Refuge Name: Muscatatuck NWR

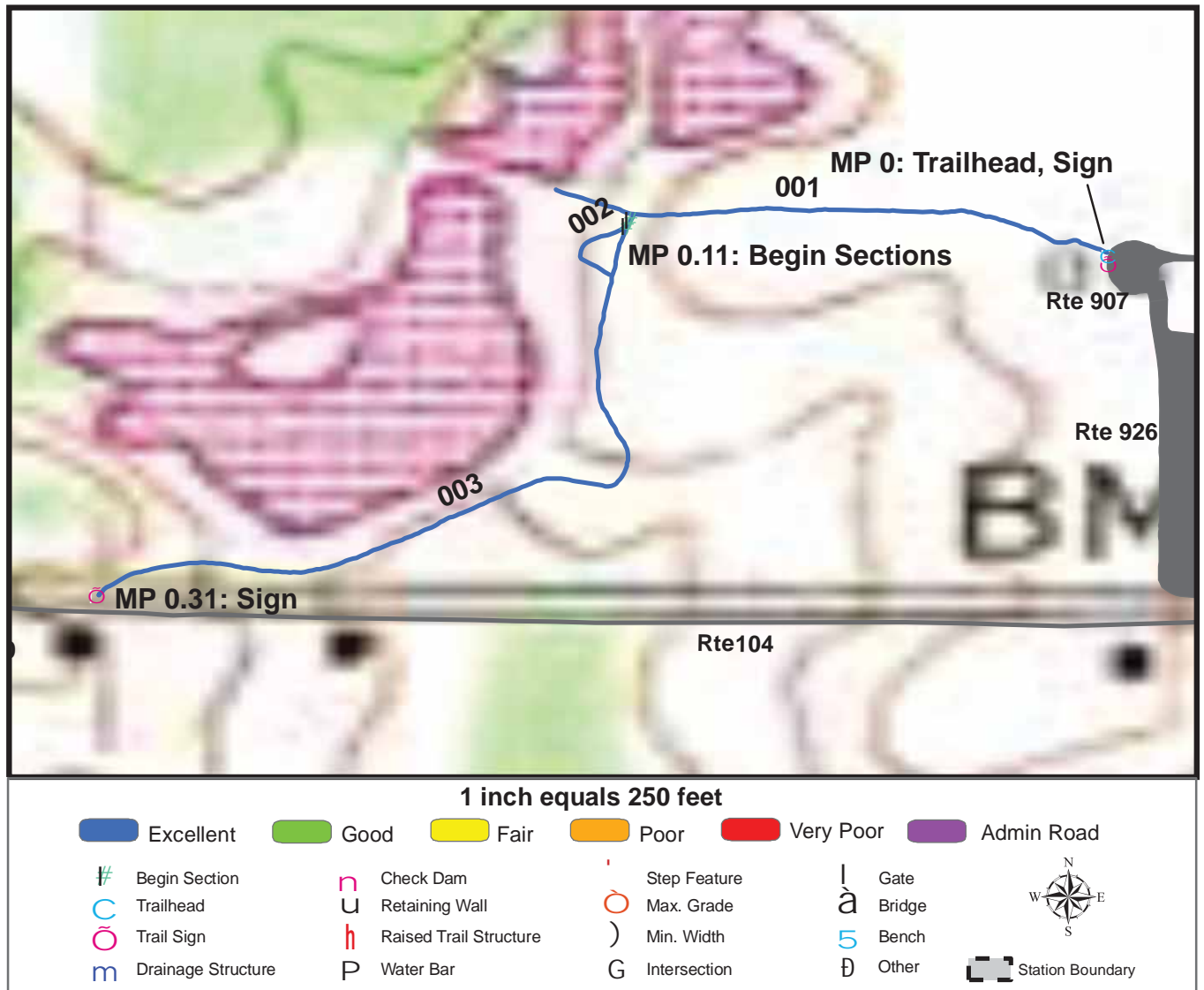
Trail Number: T305

Region: 3

TOTAL LENGTH: 0.14 Miles

Mile Post	0.04	0.04		
Section Number	001	001		
Photo Number	1067	1067		
Deficiency	Erosion	Erosion		
Action	Repair	Build/Add		
Item	Tread -sf	Water Bar:Wood -each		
Quantity	15	1		
Deferred Maintenance	\$100	\$100		

TRAIL CONDITION



Trail Name: Persimmon Ponds Trail

Refuge Name: Muscatatuck NWR

Trail Number: T306

Region: 3

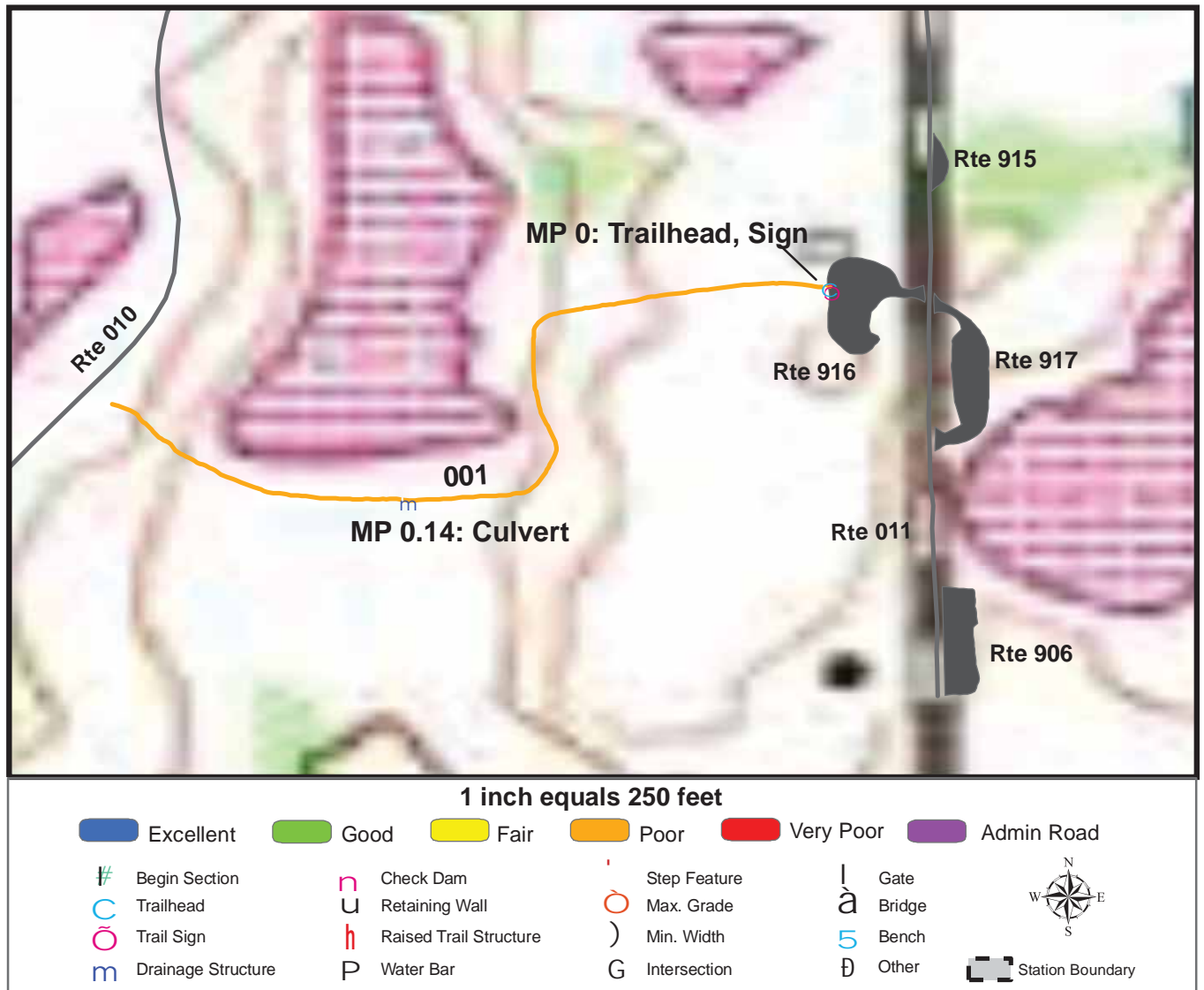
TOTAL LENGTH: 0.36 Miles

Section Number	001	002	003		
Section Length (miles)	0.13	0.03	0.2		
SAMMS Number	10054486	10054486	10054486		
Rating Date	10/21/2006	10/21/2006	10/21/2006		
Trail Section Information					
Trail Class	TC3	TC3	TC3		
Surface Type	Mowed	Mowed	Mowed		
Surface Firmness	Firm	Firm	Firm		
Width (inches)	180	180	180		
Average Grade (%)	1.7	1.7	1.7		
Average X-slope (%)	2.3	2.3	2.3		
Trail Condition Information					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$10700	\$2200	\$16900		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$29800	0	Excellent

TRAIL CONDITION



Trail Name: Mallard Pond Trail

Refuge Name: Muscatatuck NWR

Trail Number: T307

Region: 3

TOTAL LENGTH: 0.22 Miles

Section Number	001				
Section Length (miles)	0.22				
SAMMS Number	10054482				
Rating Date	10/21/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Mowed				
Surface Firmness	Firm				
Width (inches)	120				
Average Grade (%)	4.6				
Average X-slope (%)	2.4				
Trail Condition Information					
Deferred Maintenance	\$2600				
CRV	\$14800				
FCI	0.176				
Condition	Poor				

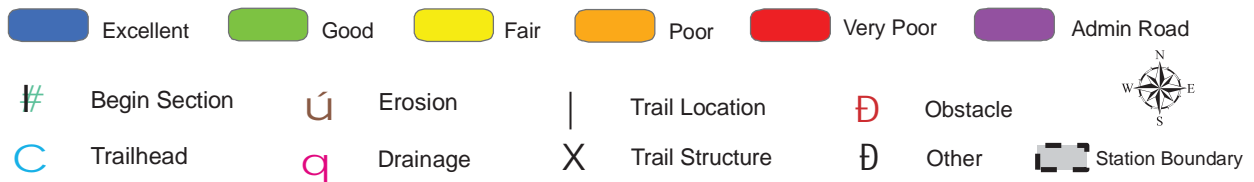
Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$2600	\$14800	0.176	Poor

TRAIL DEFICIENCY



1 inch equals 250 feet



Trail Name: Mallard Pond Trail

Refuge Name: Muscatatuck NWR

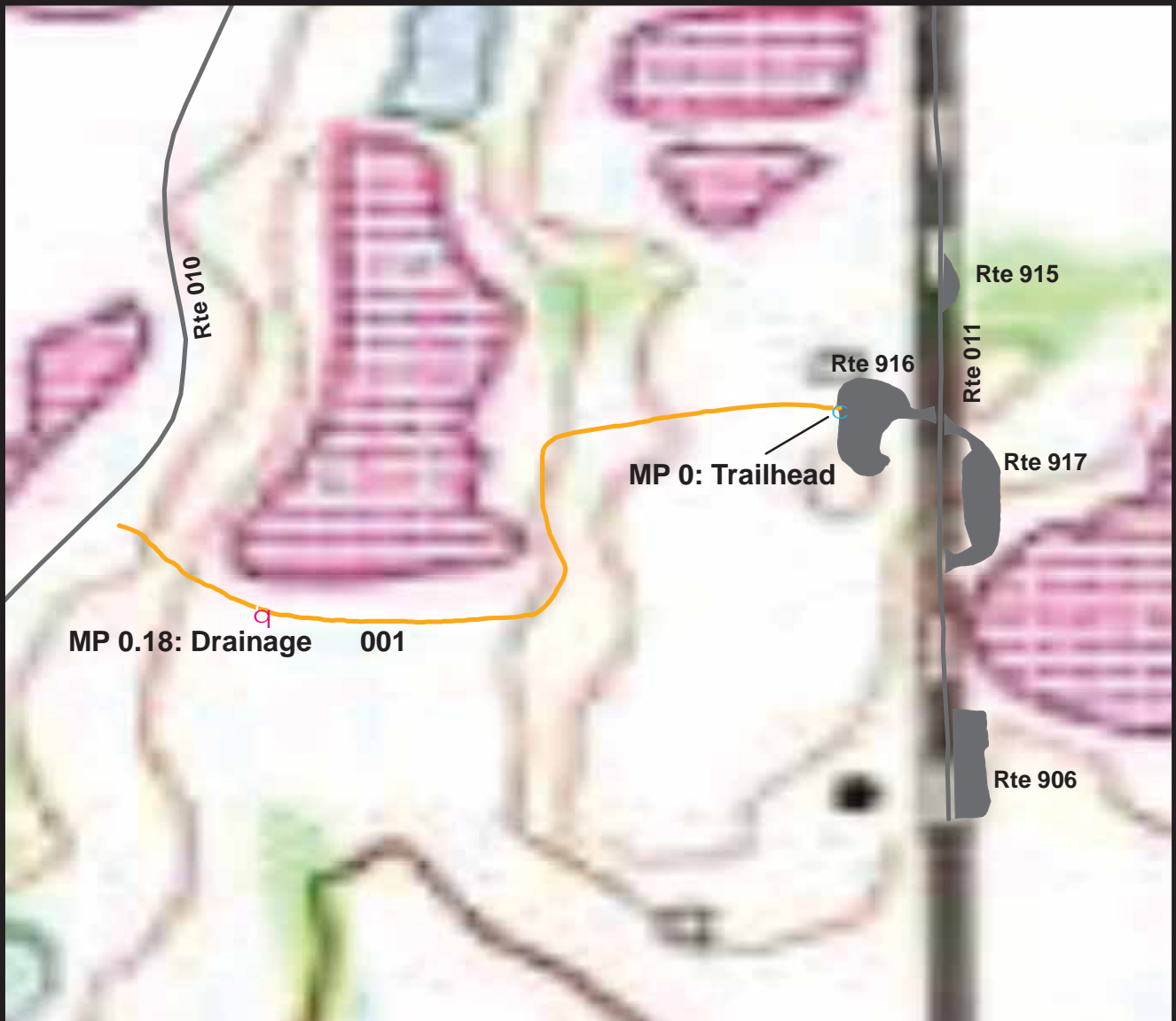
Trail Number: T307

Region: 3

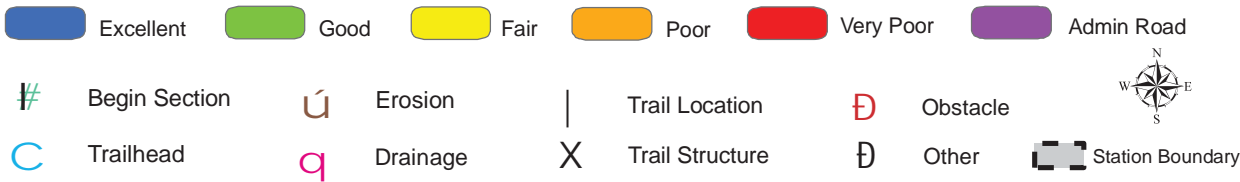
TOTAL LENGTH: 0.22 Miles

Mile Post	0.02	0.04	0.08	0.09
Section Number	001	001	001	001
Photo Number	1093	1094	1095	1095
Deficiency	Drainage	Drainage	Drainage	Drainage
Action	Repair	Repair	Build/Add	Build/Add
Item	Tread -sf	Tread -sf	Drainage Ditch -lf	Drainage Dips -each
Quantity	100	125	75	4
Deferred Maintenance	\$100	\$100	\$300	\$300

TRAIL DEFICIENCY



1 inch equals 250 feet



Trail Name: Mallard Pond Trail

Refuge Name: Muscatatuck NWR

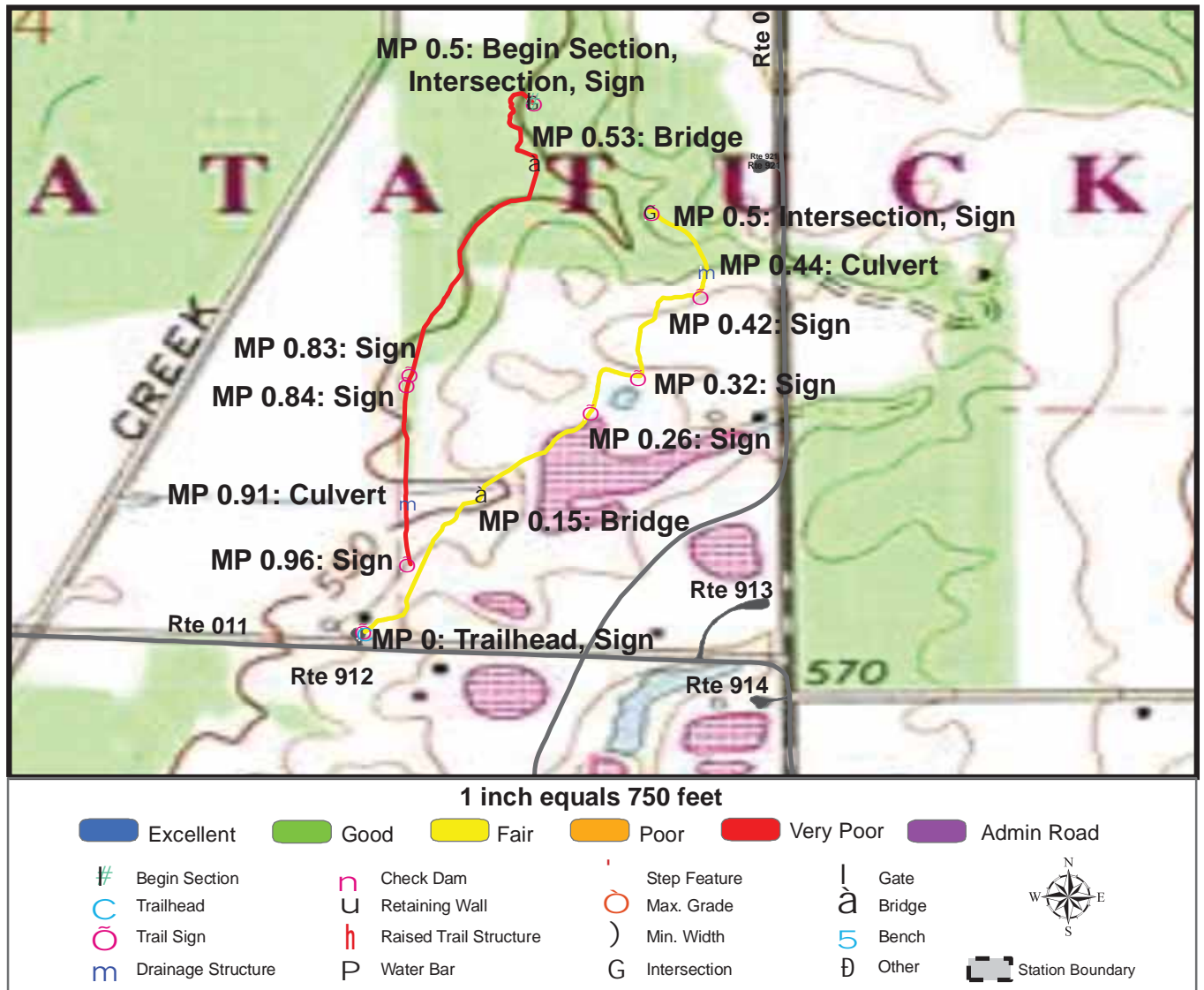
Trail Number: T307

Region: 3

TOTAL LENGTH: 0.22 Miles

Mile Post	0.18			
Section Number	001			
Photo Number	1099			
Deficiency	Drainage			
Action	Build/Add			
Item	Boardwalk -If			
Quantity	50			
Deferred Maintenance	\$1800			

TRAIL CONDITION



Trail Name: Turkey Trail

Refuge Name: Muscatatuck NWR

Trail Number: T308

Region: 3

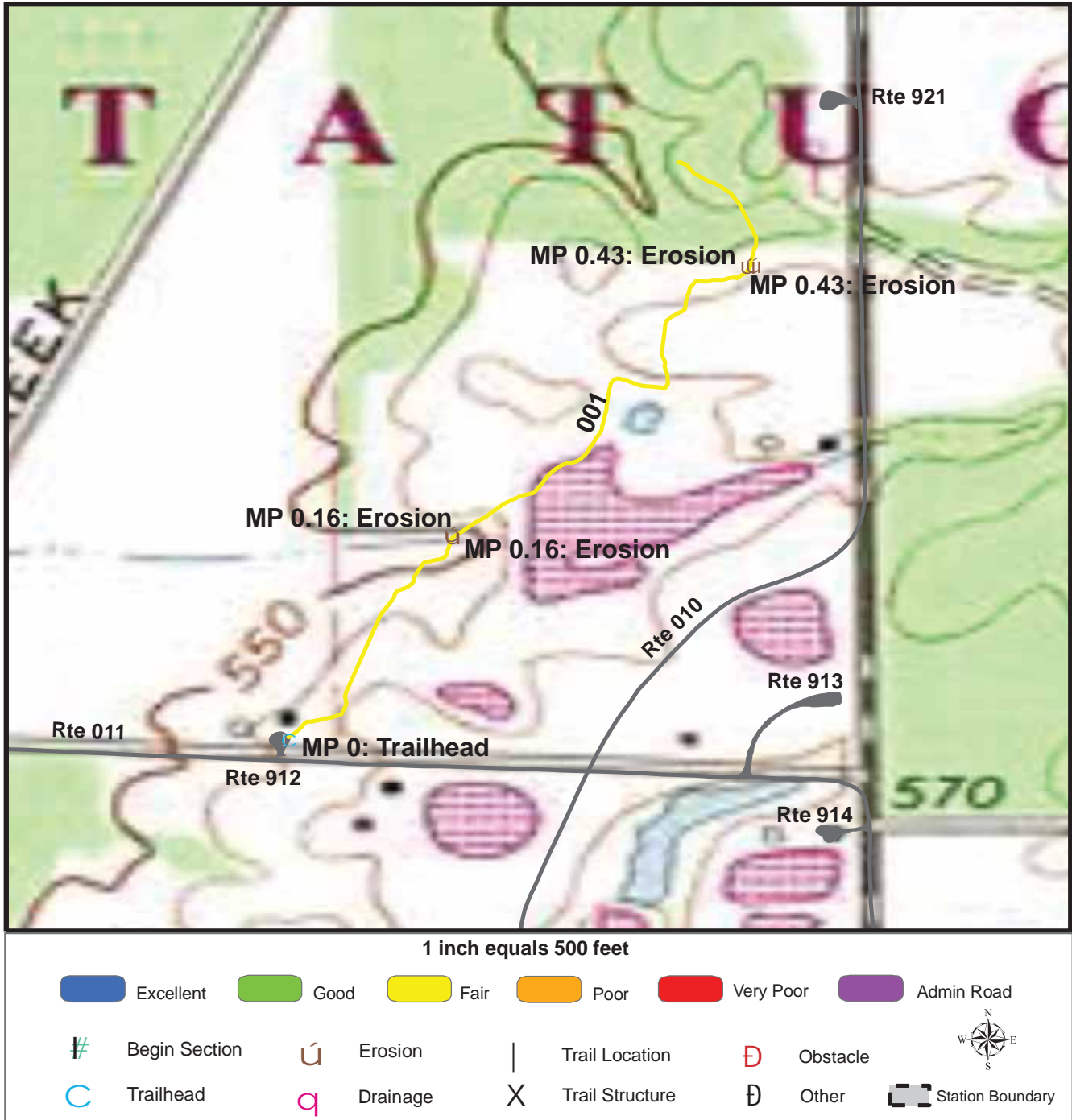
TOTAL LENGTH: 0.96 Miles

Section Number	001	002			
Section Length (miles)	0.5	0.46			
SAMMS Number	N/A	N/A			
Rating Date	10/21/2006	10/21/2006			
Trail Section Information					
Trail Class	TC3	TC3			
Surface Type	Native	Native			
Surface Firmness	Firm	Firm			
Width (inches)	30	30			
Average Grade (%)	1.7	1.7			
Average X-slope (%)	2	2			
Trail Condition Information					
Deferred Maintenance	\$3200	\$27900			
CRV	\$33000	\$31900			
FCI	0.097	0.875			
Condition	Fair	Very Poor			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$31100	\$64900	0.479	Very Poor

TRAIL DEFICIENCY



Trail Name: Turkey Trail

Refuge Name: Muscatatuck NWR

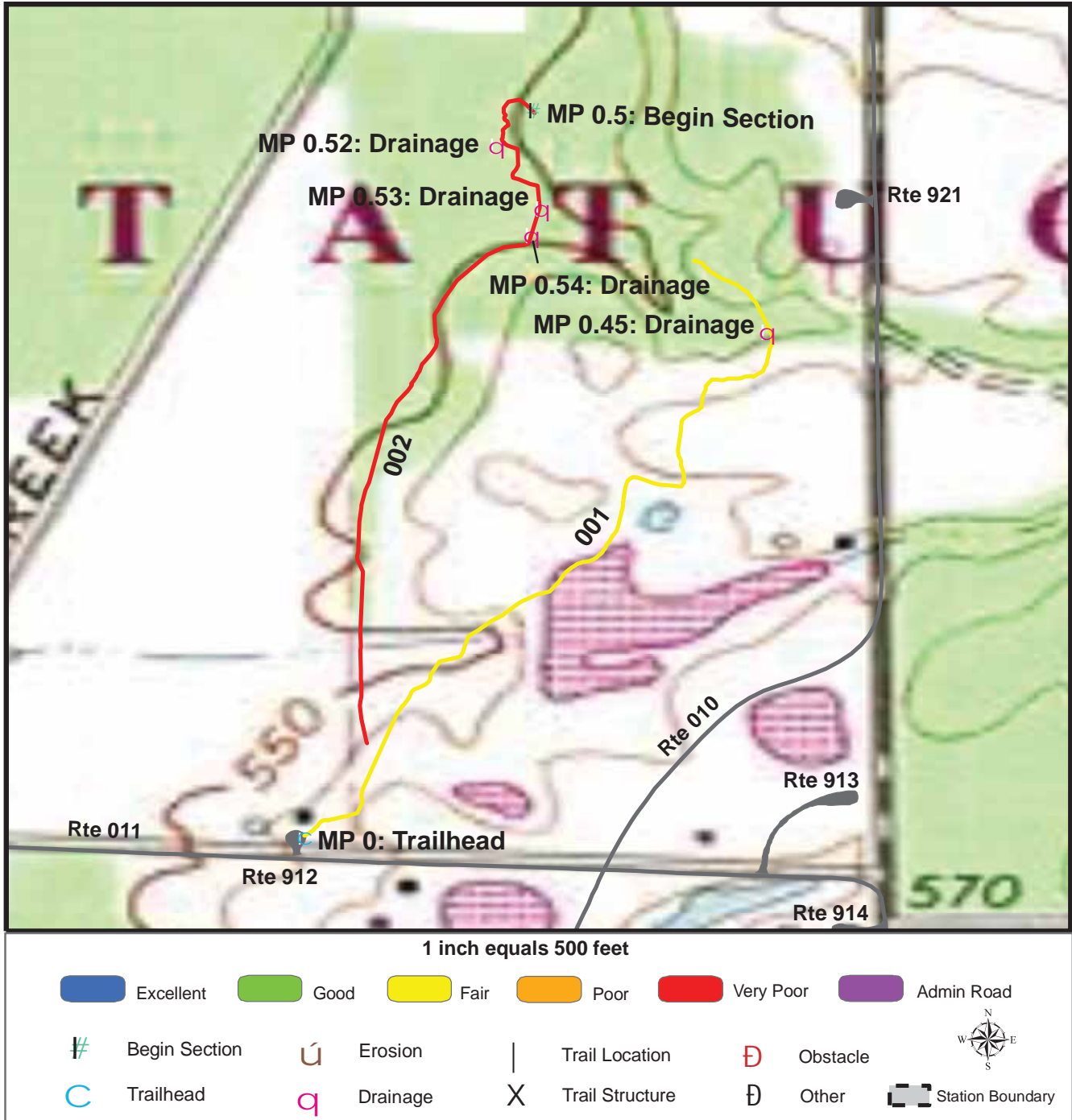
Trail Number: T308

Region: 3

TOTAL LENGTH: 0.96 Miles

Mile Post	0.16	0.16	0.43	0.43
Section Number	001	001	001	001
Photo Number	1889	1889	1894	1894
Deficiency	Erosion	Erosion	Erosion	Erosion
Action	Build/Add	Repair	Repair	Build/Add
Item	Water Bar:Wood -each	Tread -sf	Tread -sf	Water Bar:Wood -each
Quantity	3	75	200	4
Deferred Maintenance	\$300	\$200	\$500	\$400

TRAIL DEFICIENCY



Trail Name: Turkey Trail

Refuge Name: Muscatatuck NWR

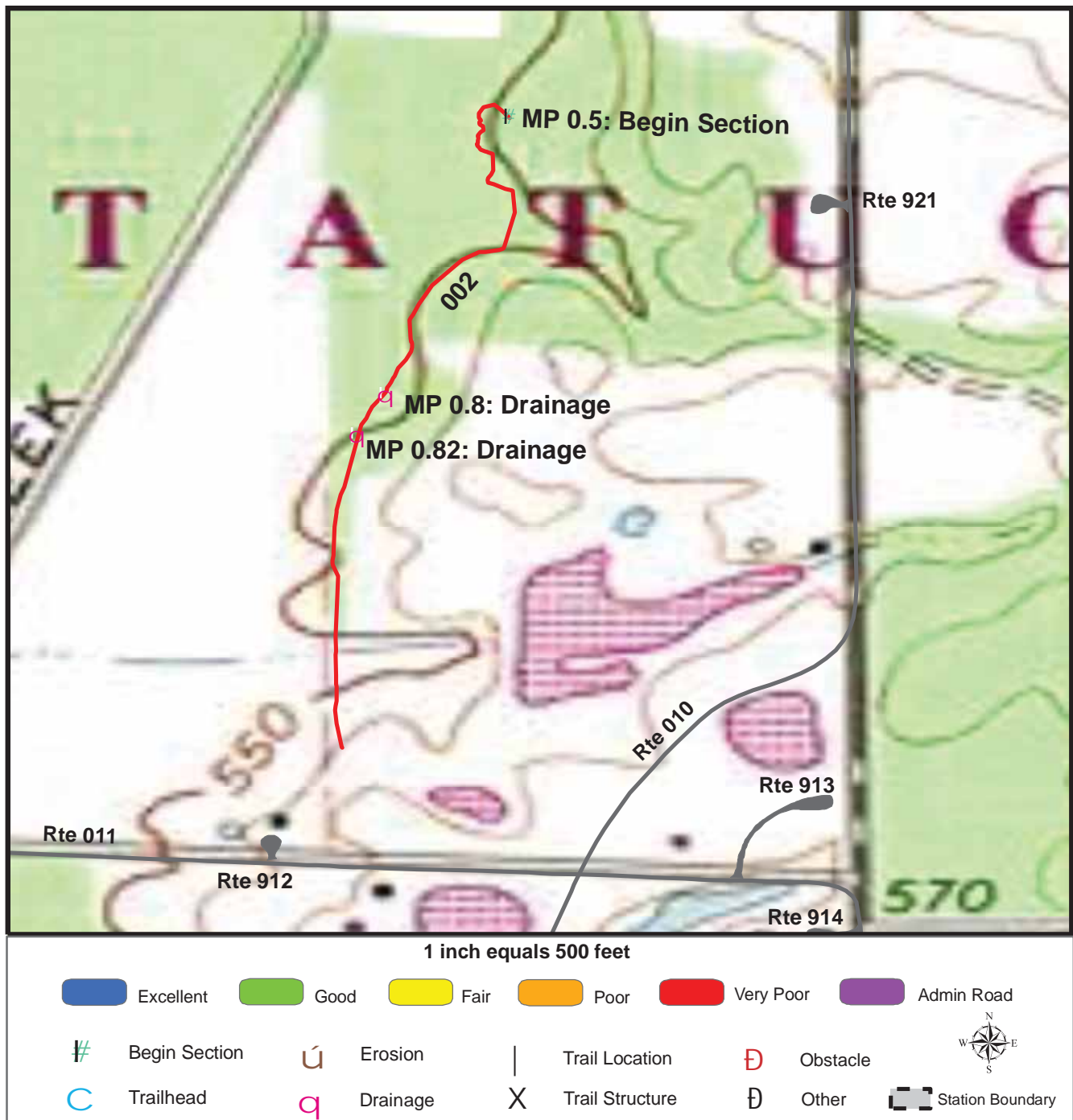
Trail Number: T308

Region: 3

TOTAL LENGTH: 0.96 Miles

Mile Post	0.45	0.52	0.53	0.54
Section Number	001	002	002	002
Photo Number	1895	1899	1902	1904
Deficiency	Drainage	Drainage	Drainage	Drainage
Action	Build/Add	Build/Add	Build/Add	Build/Add
Item	Boardwalk -lf	Boardwalk -lf	Bridge -sf	Turnpike -lf
Quantity	50	25	75	125
Deferred Maintenance	\$1800	\$900	\$4200	\$6000

TRAIL DEFICIENCY



Trail Name: Turkey Trail

Refuge Name: Muscatatuck NWR

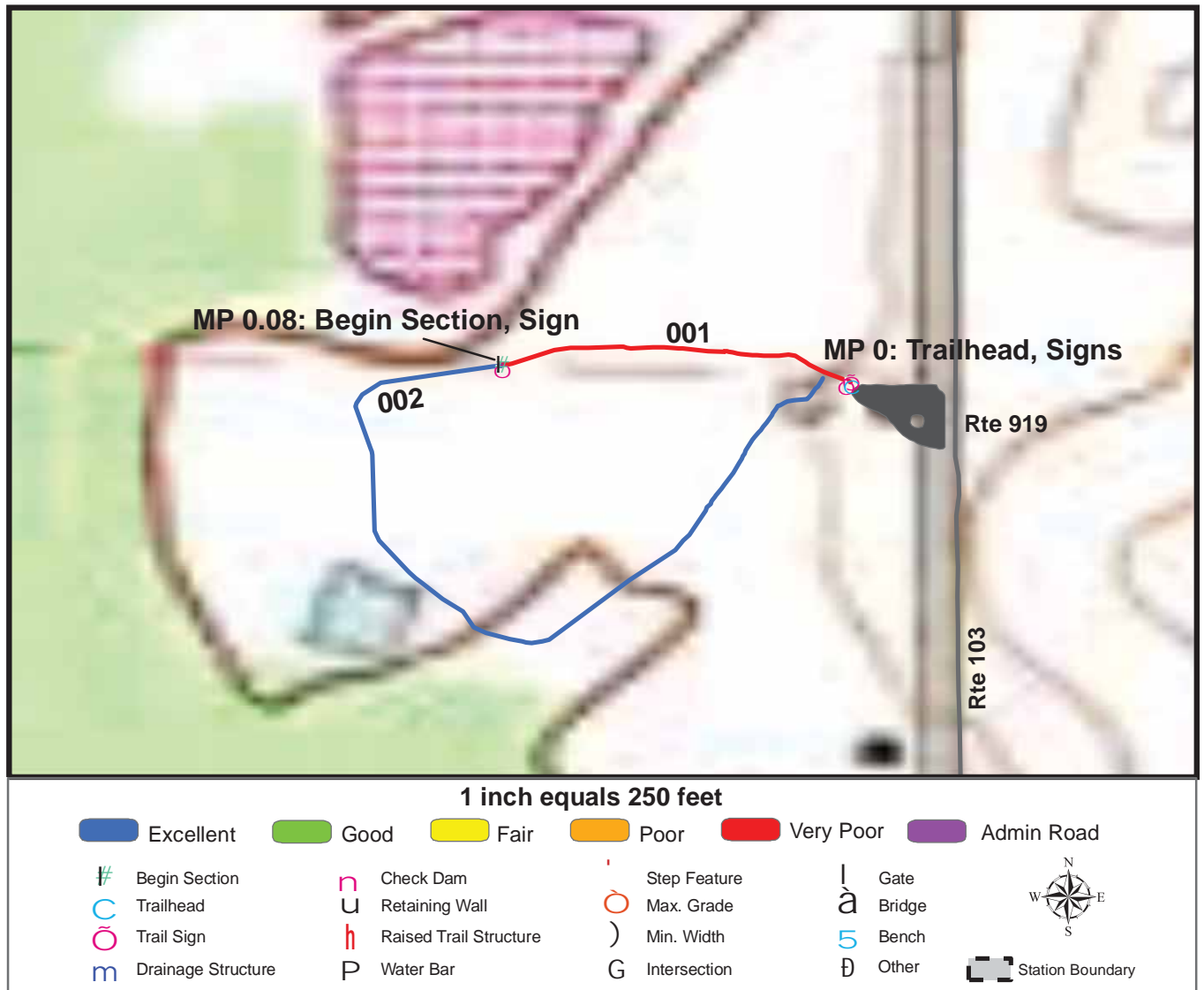
Trail Number: T308

Region: 3

TOTAL LENGTH: 0.96 Miles

Mile Post	0.8	0.82		
Section Number	002	002		
Photo Number	1905	1906		
Deficiency	Drainage	Drainage		
Action	Build/Add	Build/Add		
Item	Bridge -sf	Bridge -sf		
Quantity	200	100		
Deferred Maintenance	\$11200	\$5600		

TRAIL CONDITION



Trail Name: Endicott Trail

Refuge Name: Muscatatuck NWR

Trail Number: T309

Region: 3

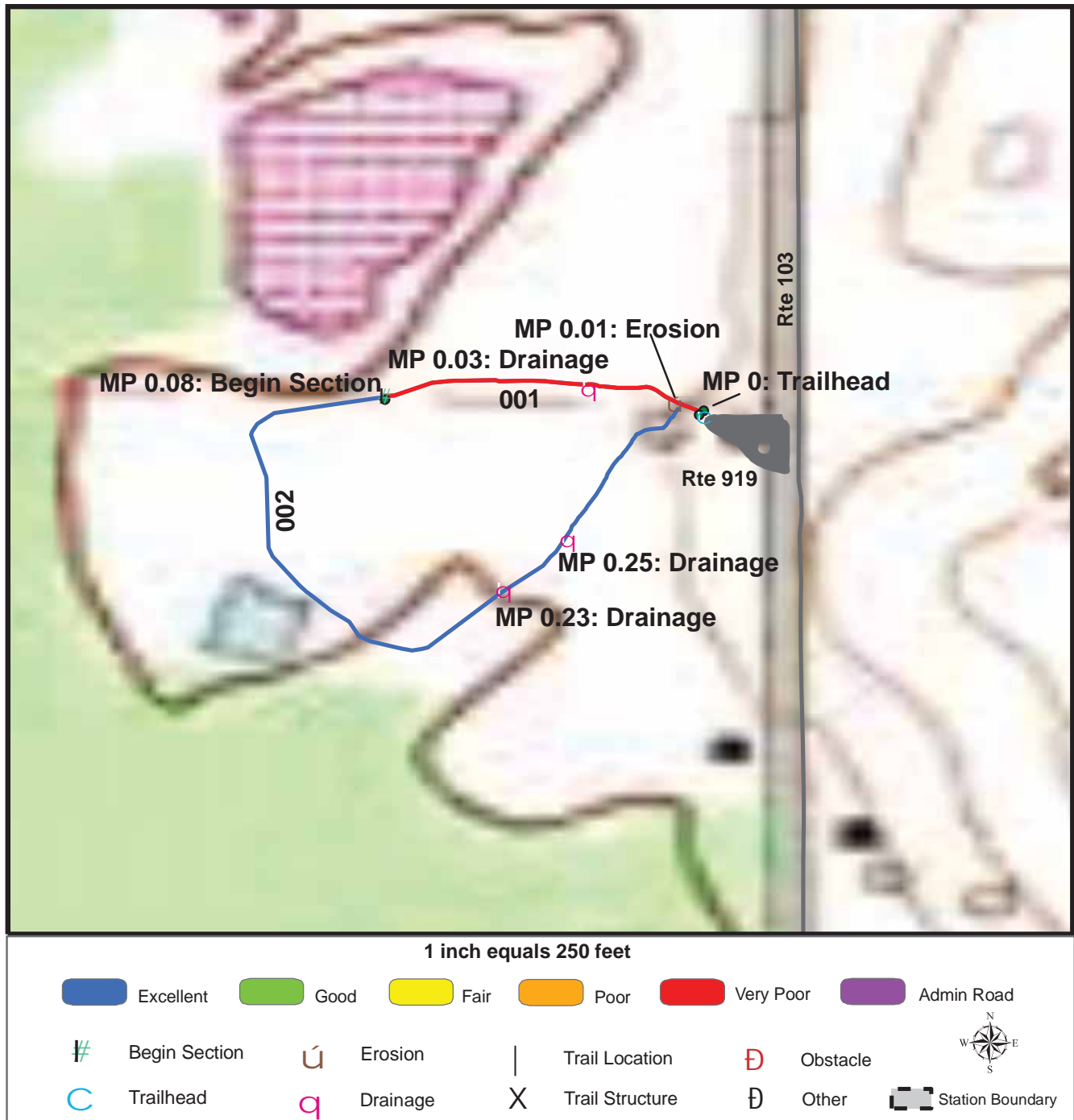
TOTAL LENGTH: 0.3 Miles

Section Number	001	002			
Section Length (miles)	0.08	0.22			
SAMMS Number	10054484	10054484			
Rating Date	10/21/2006	10/21/2006			
Trail Section Information					
Trail Class	TC3	TC3			
Surface Type	Mowed	Native			
Surface Firmness	Firm	Firm			
Width (inches)	120	72			
Average Grade (%)	4.9	4.9			
Average X-slope (%)	3	3			
Trail Condition Information					
Deferred Maintenance	\$5500	\$0			
CRV	\$4500	\$30100			
FCI	1.222	0			
Condition	Very Poor	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$5500	\$34600	0.159	Poor

TRAIL DEFICIENCY



Trail Name: Endicott Trail

Refuge Name: Muscatatuck NWR

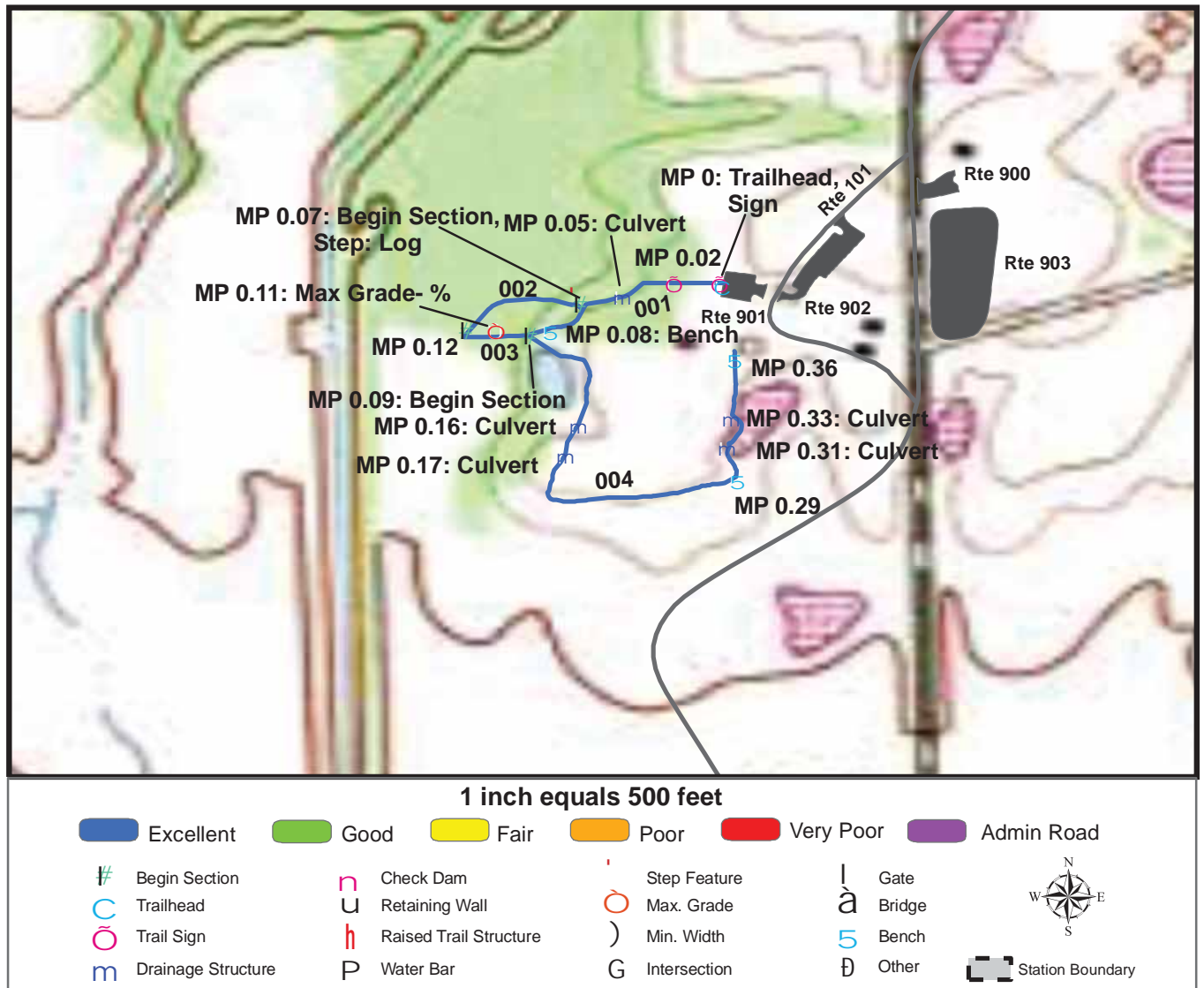
Trail Number: T309

Region: 3

TOTAL LENGTH: 0.3 Miles

Mile Post	0.01	0.03	0.23	0.25
Section Number	001	001	002	002
Photo Number	1913	1914	1918	1919
Deficiency	Erosion	Drainage	Drainage	Drainage
Action	Repair	Build/Add	Build/Add	Build/Add
Item	Tread -sf	Boardwalk -lf	Boardwalk -lf	Boardwalk -lf
Quantity	100	50	25	75
Deferred Maintenance	\$100	\$1800	\$900	\$2700

TRAIL CONDITION



Trail Name: Chestnut Ridge Trail

Refuge Name: Muscatatuck NWR

Trail Number: T500

Region: 3

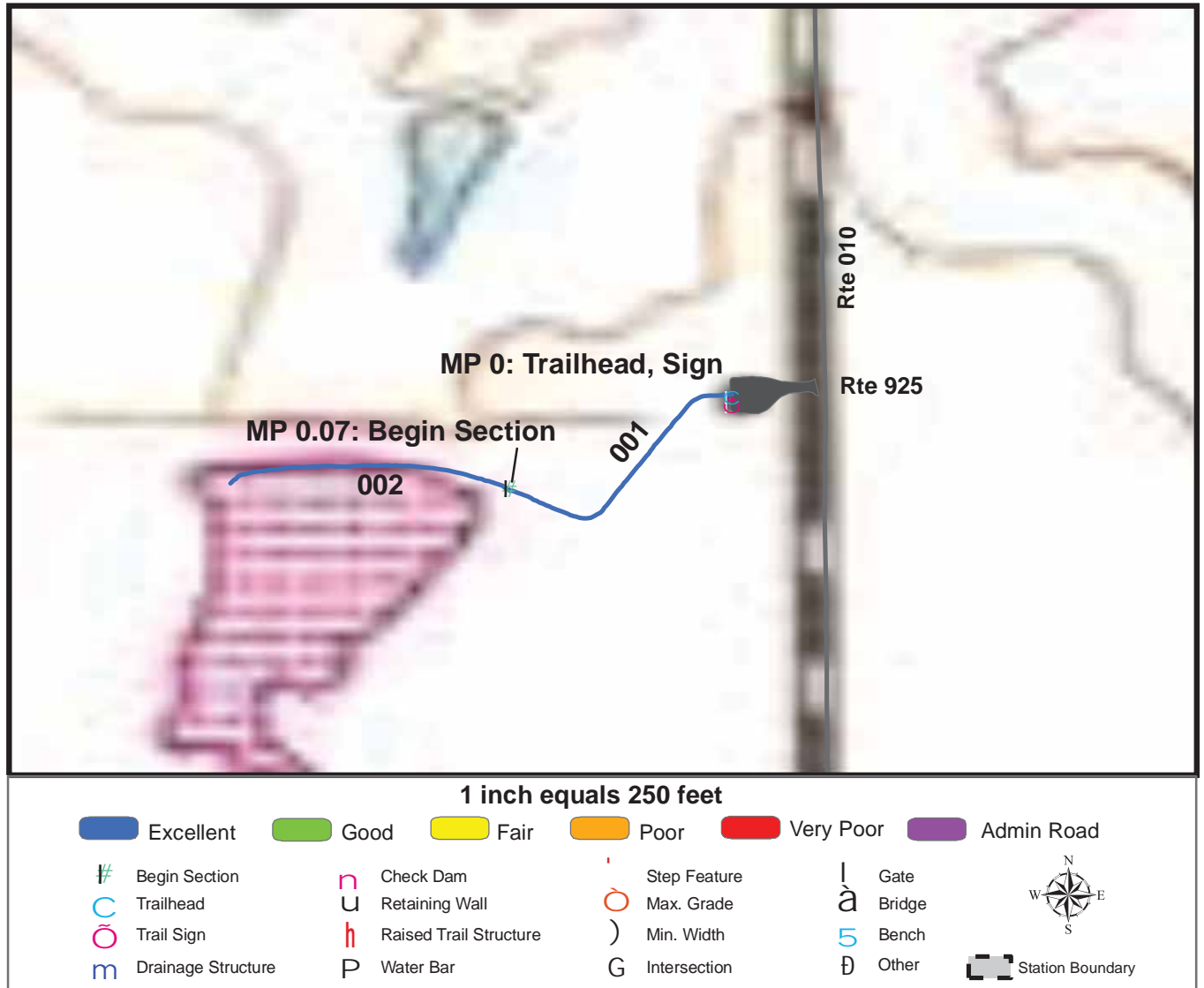
TOTAL LENGTH: 0.45 Miles

Section Number	001	002	003	004
Section Length (miles)	0.1	0.06	0.02	0.27
SAMMS Number	10010623	10010623	10010623	10010623
Rating Date	10/20/2006	10/20/2006	10/20/2006	10/20/2006
Trail Section Information				
Trail Class	TC5	TC4	TC3	TC5
Surface Type	Asphalt	Boardwalk	Gravel	Boardwalk
Surface Firmness	Paved	Hard	Hard	Paved
Width (inches)	100	72	75	100
Average Grade (%)	4.2	4.2	4.2	4.2
Average X-slope (%)	2.3	2.3	2.3	2.3
Trail Condition Information				
Deferred Maintenance	\$0	\$0	\$0	\$0
CRV	\$29400	\$48000	\$3000	\$281800
FCI	0	0	0	0
Condition	Excellent	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$362200	0	Excellent

TRAIL CONDITION



Trail Name: Sandhill Ponds Trail

Refuge Name: Muscatatuck NWR

Trail Number: T501

Region: 3

TOTAL LENGTH: 0.13 Miles

Section Number	001	002			
Section Length (miles)	0.07	0.06			
SAMMS Number	10049634	10049634			
Rating Date	10/21/2006	10/21/2006			
Trail Section Information					
Trail Class	TC5	TC3			
Surface Type	Concrete	Mowed			
Surface Firmness	Paved	Firm			
Width (inches)	72	120			
Average Grade (%)	1.5	1.5			
Average X-slope (%)	2.3	2.3			
Trail Condition Information					
Deferred Maintenance	\$0	\$0			
CRV	\$14600	\$3600			
FCI	0	0			
Condition	Excellent	Excellent			

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$18200	0	Excellent

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1004 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006

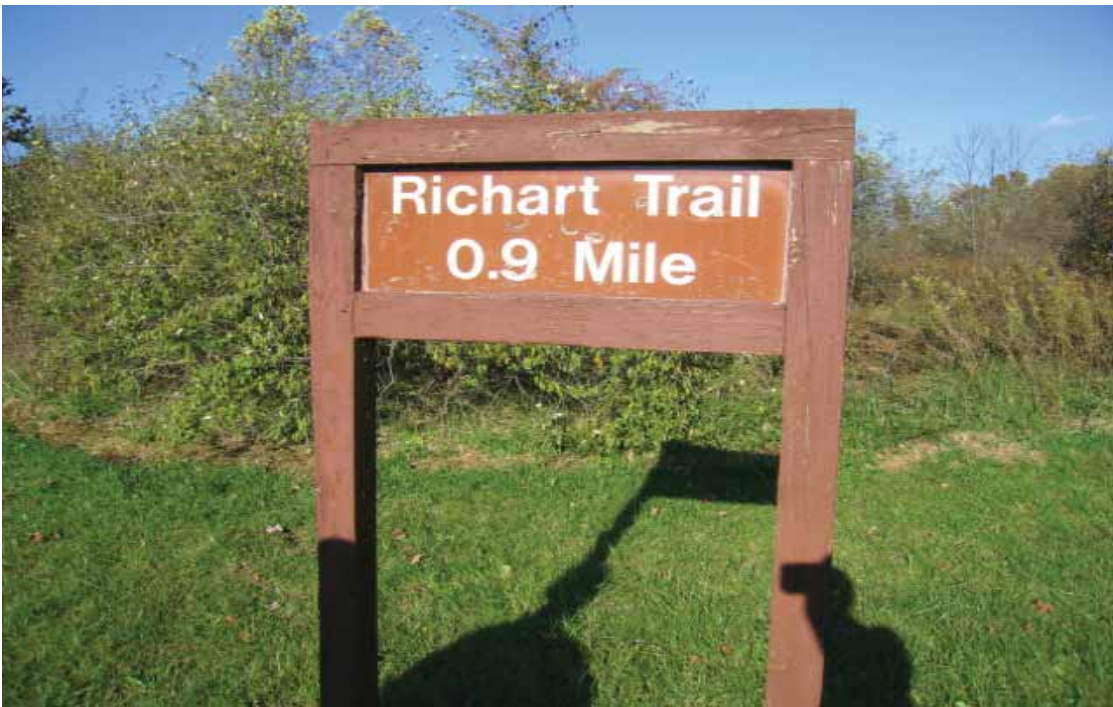


Photo # 1003 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1005 - MP 0.46 - Sign

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1006 - MP 0.61 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1007 - MP 0.64 - Erosion Deficiency

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1008 - MP 0.65 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1009 - MP 0.74 - Erosion Deficiency

TRAIL NUMBER: **T300**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1011 - MP 0.75 - Begin Section 003

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1012 - MP 0.0 - Trailhead

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1013 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1014 - MP 0.03 - Drainage Deficiency

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1015 - MP 0.09 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1016 - MP 0.11 - Drainage Deficiency

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1017 - MP 0.13 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1018 - MP 0.22 - Drainage Deficiency

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1019 - MP 0.22 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1020 - MP 0.23 - Drainage Deficiency

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1022 - MP 0.26 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1024 - MP 0.62 - Erosion Deficiency

TRAIL NUMBER: **T302**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1025 - MP 0.0 - Trailhead, Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1026 - MP 0.05 - Sign (Grouped)

TRAIL NUMBER: **T302**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1033 - MP 0.31 - Bridge

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1034 - MP 0.32 - Bridge

TRAIL NUMBER: **T302**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1036 - MP 0.34 - Bridge

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1043 - MP 0.0 - Trailhead

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1042 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1065 - MP 0.15 - Drainage Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1045 - MP 0.42 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1046 - MP 0.54 - Bridge

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1047 - MP 0.73 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1048 - MP 1.11 - Drainage Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1049 - MP 1.16 - Trail Structure Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1050 - MP 1.5 - Sign

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1051 - MP 1.5 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1052 - MP 1.63 - Other (cemetary)

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1053 - MP 1.7 - Begin Section 003

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1054 - MP 1.72 - Erosion Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1055 - MP 1.75 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1056 - MP 1.83 - Drainage Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1057 - MP 2.02 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006

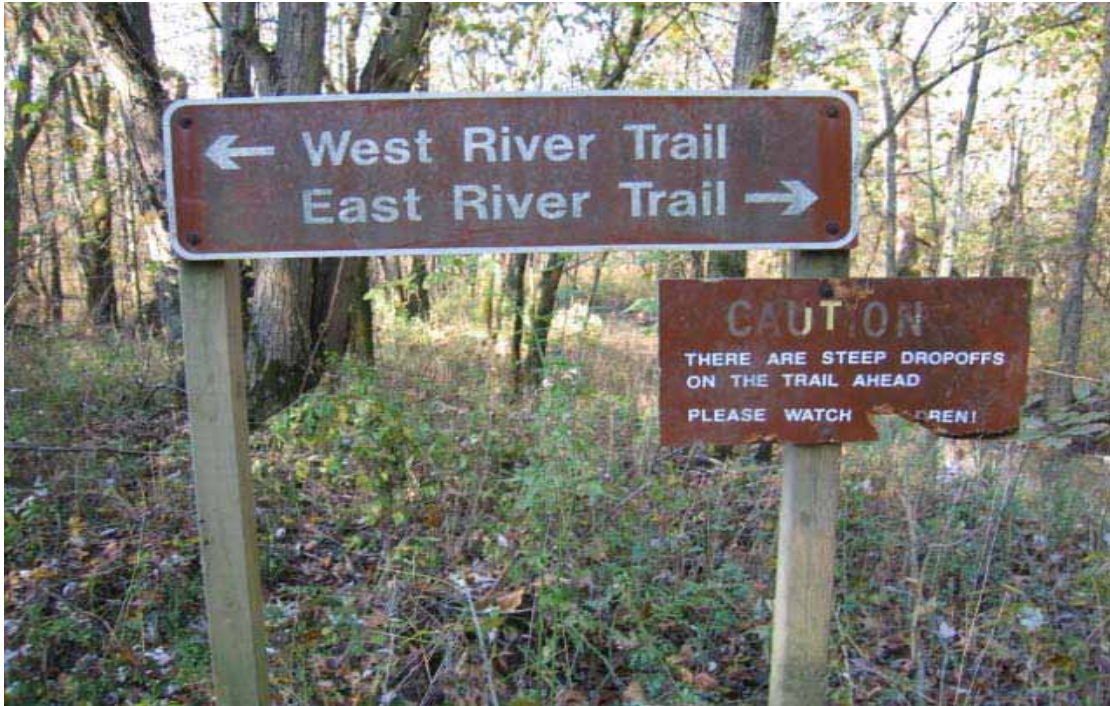


Photo # 1058 - MP 2.05 - Sign

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1059 - MP 2.05 - Begin Section 004

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1060 - MP 2.06 - Drainage Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1061 - MP 2.07 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1062 - MP 2.1 - Drainage Deficiency

TRAIL NUMBER: **T303**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1063 - MP 2.17 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T304**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1879 - MP 0.0 - Trailhead

TRAIL NUMBER: **T304**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1880 - MP 0.04 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T304**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1881 - MP 0.86 - Sign

TRAIL NUMBER: **T304**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1882 - MP 0.88 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1066 - MP 0.0 - Trailhead

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1067 - MP 0.04 - Erosion Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1068 - MP 0.05 - Bridge

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1069 - MP 0.06 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1072 - MP 0.1 - Sign

TRAIL NUMBER: **T305**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1075 - MP 0.14 - Other (Myer's Cabin), Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T306**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1078 - MP 0.0 - Trailhead

TRAIL NUMBER: **T306**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1077 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T306**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1079 - MP 0.11 - Begin Section 003

TRAIL NUMBER: **T306**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1080 - MP 0.11 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T306**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1086 - MP 0.31 - Sign

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1092 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1091 - MP 0.0 - Sign

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1093 - MP 0.02 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1094 - MP 0.04 - Drainage Deficiency

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1095 - MP 0.08 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T307**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1099 - MP 0.18 - Drainage Deficiency

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1884 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1883 - MP 0.0 - Sign

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1888 - MP 0.15 - Bridge

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1889 - MP 0.16 - Erosion Deficiency

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1891 - MP 0.26 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1892 - MP 0.32 - Sign

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1893 - MP 0.42 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1894 - MP 0.43 - Erosion Deficiency

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1895 - MP 0.45 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1896 - MP 0.5 - Sign

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1897 - MP 0.5 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1899 - MP 0.52 - Drainage Deficiency

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1902 - MP 0.53 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1903 - MP 0.53 - Bridge

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1904 - MP 0.54 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1905 - MP 0.8 - Drainage Deficiency

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1906 - MP 0.82 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1908 - MP 0.83 - Sign

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006

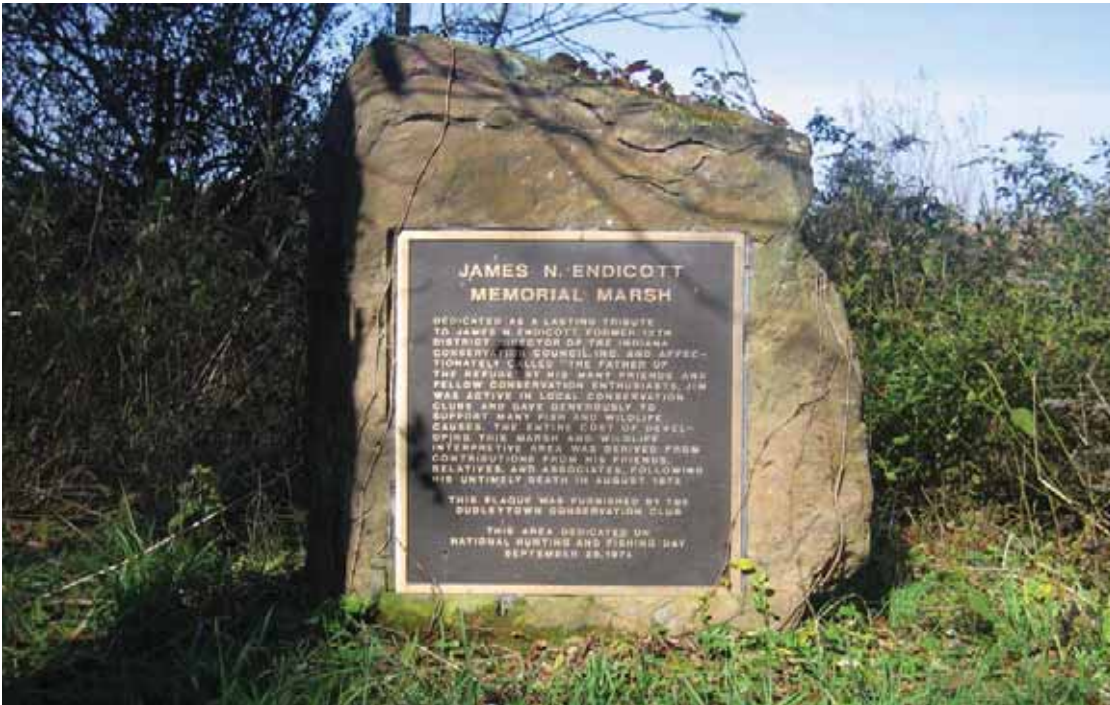


Photo # 1909 - MP 0.84 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T308**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1885-6 - MP 0.96 - Sign

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1911 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006

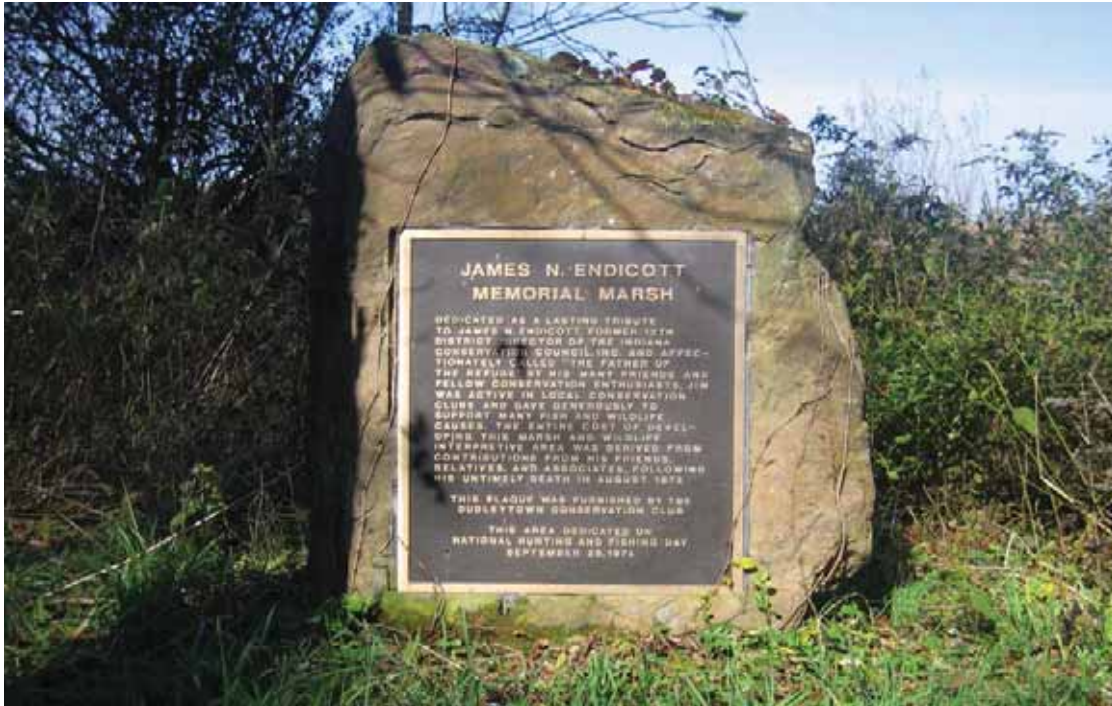


Photo # 1909 - MP 0.0 - Sign

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1910 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1913 - MP 0.01 - Erosion Deficiency

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1914 - MP 0.03 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1915 - MP 0.08 - Sign

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1916 - MP 0.08 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1918 - MP 0.23 - Drainage Deficiency

TRAIL NUMBER: **T309**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1919 - MP 0.25 - Drainage Deficiency

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 0997 - MP 0.0 - Trailhead, Sign

TRAIL NUMBER: **T500**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 0998 - MP 0.02 - Sign (Grouped)

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1001 - MP 0.07 - Begin Section 002

TRAIL NUMBER: **T500**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1002 - MP 0.09 - Begin Section 004

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T500**

STATION: Muscatatuck NWR

DATE: 10/20/2006



Photo # 1000 - MP 0.12 - Begin Section 003

TRAIL NUMBER: **T501**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1088 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T501**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1087 - MP 0.0 - Sign

TRAIL NUMBER: **T501**

STATION: Muscatatuck NWR

DATE: 10/21/2006



Photo # 1089 - MP 0.07 - Begin Section 002

The Trail Inventory of Patoka River National Wildlife Refuge Oakland City, Indiana



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



Patoka River NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Native	0.22	21%		0%		0%		0%		0%		0%	0.22
Gravel	0.20	19%		0%		0%		0%		0%		0%	0.20
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	0.03	3%		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	0.22	21%		0%	0.40	37%		0%		0%		0%	0.62
Admin Road		0%		0%		0%		0%		0%		0%	0.00
Other		0%		0%		0%		0%		0%		0%	0.00
Totals	0.67	63%	0.00	0%	0.40	37%	0.00	0%	0.00	0%	0.00	0%	1.07

Trail Miles and Percentages by Trail Classification and Condition

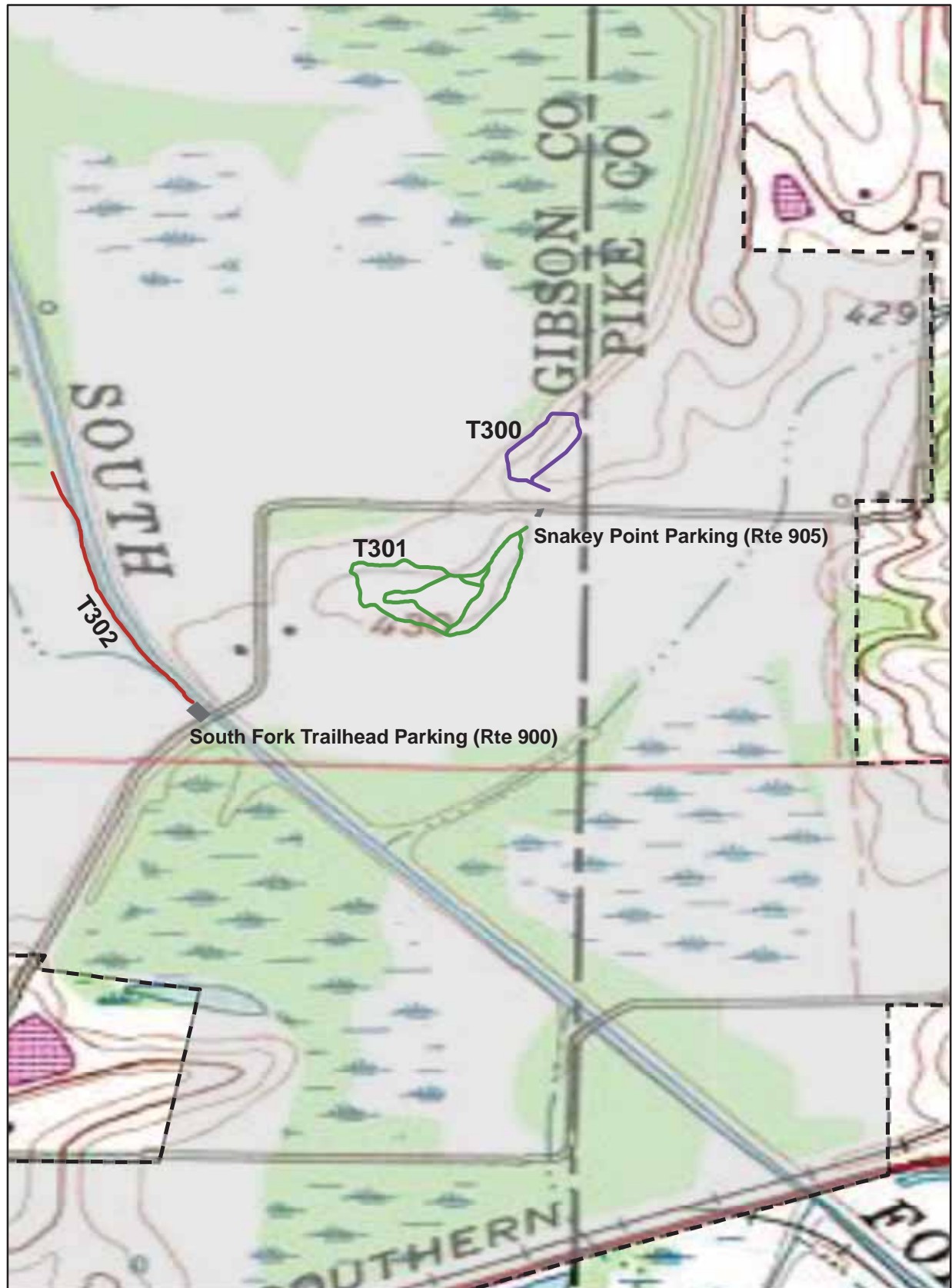
Trail Classification	Mileage by Trail Condition												Total Miles
	Excellent		Good		Fair		Poor		Very Poor		Not Rated*		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
TC1		0%		0%		0%		0%		0%		0%	0.00
TC2	0.02	2%		0%		0%		0%		0%		0%	0.02
TC3	0.62	58%		0%	0.40	37%		0%		0%		0%	1.02
TC4		0%		0%		0%		0%		0%		0%	0.00
TC5	0.03	3%		0%		0%		0%		0%		0%	0.03
Totals	0.67	63%	0.00	0%	0.40	37%	0.00	0%	0.00	0%	0.00	0%	1.07

* 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	0978
T300	Boardwalk -lf	70	No	0.11	0980
T301	Sign	2	No	0.00	0985
T301	Gate	1	No	0.00	N/A
T301	Culvert -lf	8	No	0.25	N/A
T302	Sign	1	No	0.00	0993
T302	Bridge -sf	125	No	0.23	0995
sf-square feet lf-linear feet cf-cubic feet					

PATOKA RIVER NATIONAL WILDLIFE REFUGE TRAIL LOCATION MAP



TRAILS ID

Station Name: Patoka River NWR

Org. Code: 31560

Trail #	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Hugh Boyd Trail	Gravel	10054283	0.2	From Parking Lot (Rte 905) to end of trail loop
T301	Bird Trail	Mowed	10055145	0.62	From Parking Lot (Rte 905) to end of trail loop
T302	South Fork Fishing Trail	Native, Boardwalk	10054284	0.25	From Parking Lot (Rte 900) to end of trail

TRAIL CONDITION



1 inch equals 500 feet

Excellent	Good	Fair	Poor	Very Poor	Admin Road
Begin Section	Check Dam	Step Feature	Gate	 Station Boundary	
Trailhead	Retaining Wall	Max. Grade	Bridge		
Trail Sign	Raised Trail Structure	Min. Width	Bench		
Drainage Structure	Water Bar	Intersection	Other		

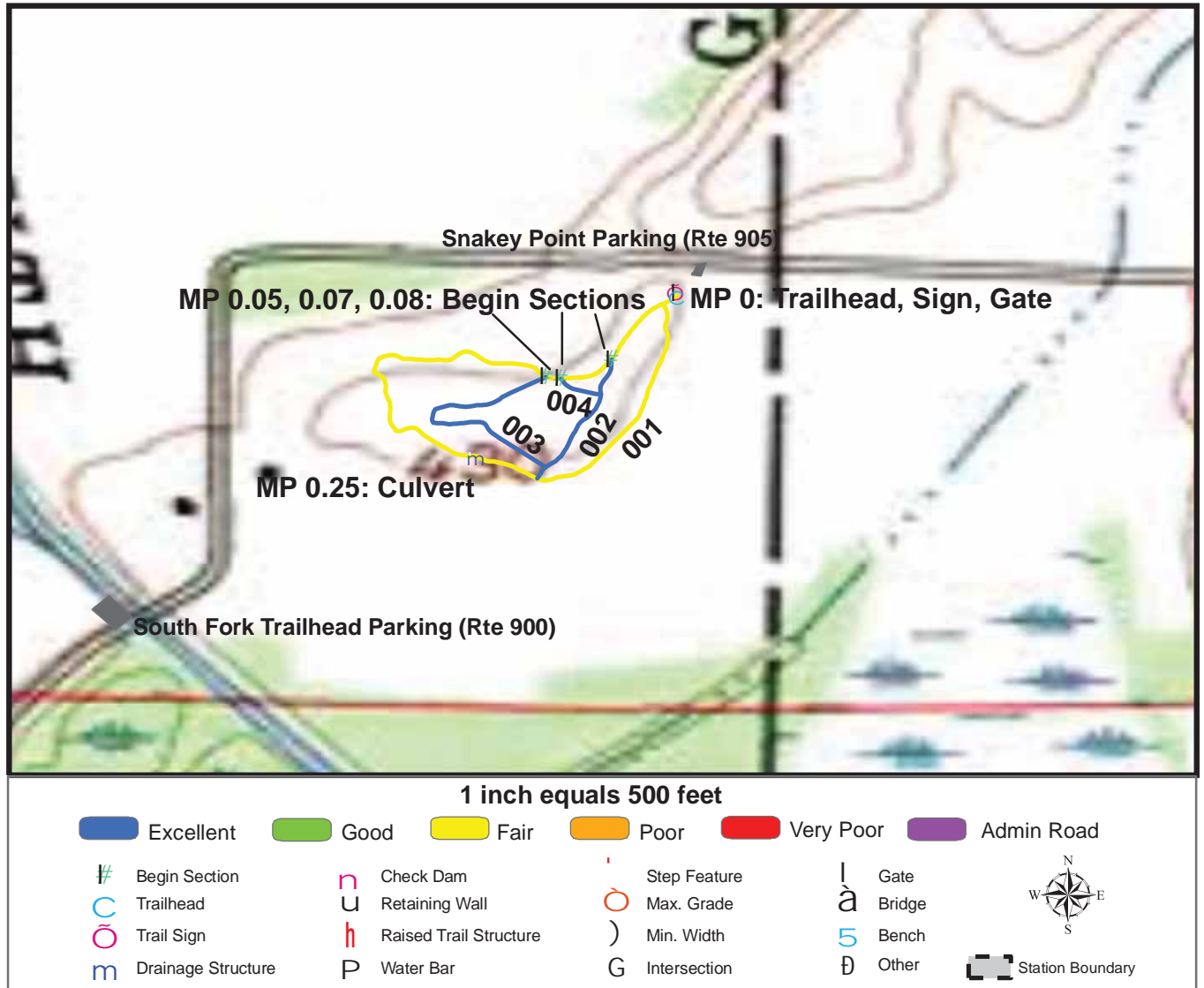
Trail Name: Hugh Boyd Trail **Refuge Name:** Patoka River NWR
Trail Number: T300 **Region:** 3 **TOTAL LENGTH:** 0.2 Miles

Section Number	001				
Section Length (miles)	0.2				
SAMMS Number	10054283				
Rating Date	10/20/2006				
Trail Section Information					
Trail Class	TC3				
Surface Type	Gravel				
Surface Firmness	Firm				
Width (inches)	55				
Average Grade (%)	5.8				
Average X-slope (%)	7.4				
Trail Condition Information					
Deferred Maintenance	\$0				
CRV	\$26000				
FCI	0				
Condition	Excellent				

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$26000	0	Excellent

TRAIL CONDITION



Trail Name: Bird Trail

Refuge Name: Patoka River NWR

Trail Number: T301

Region: 3

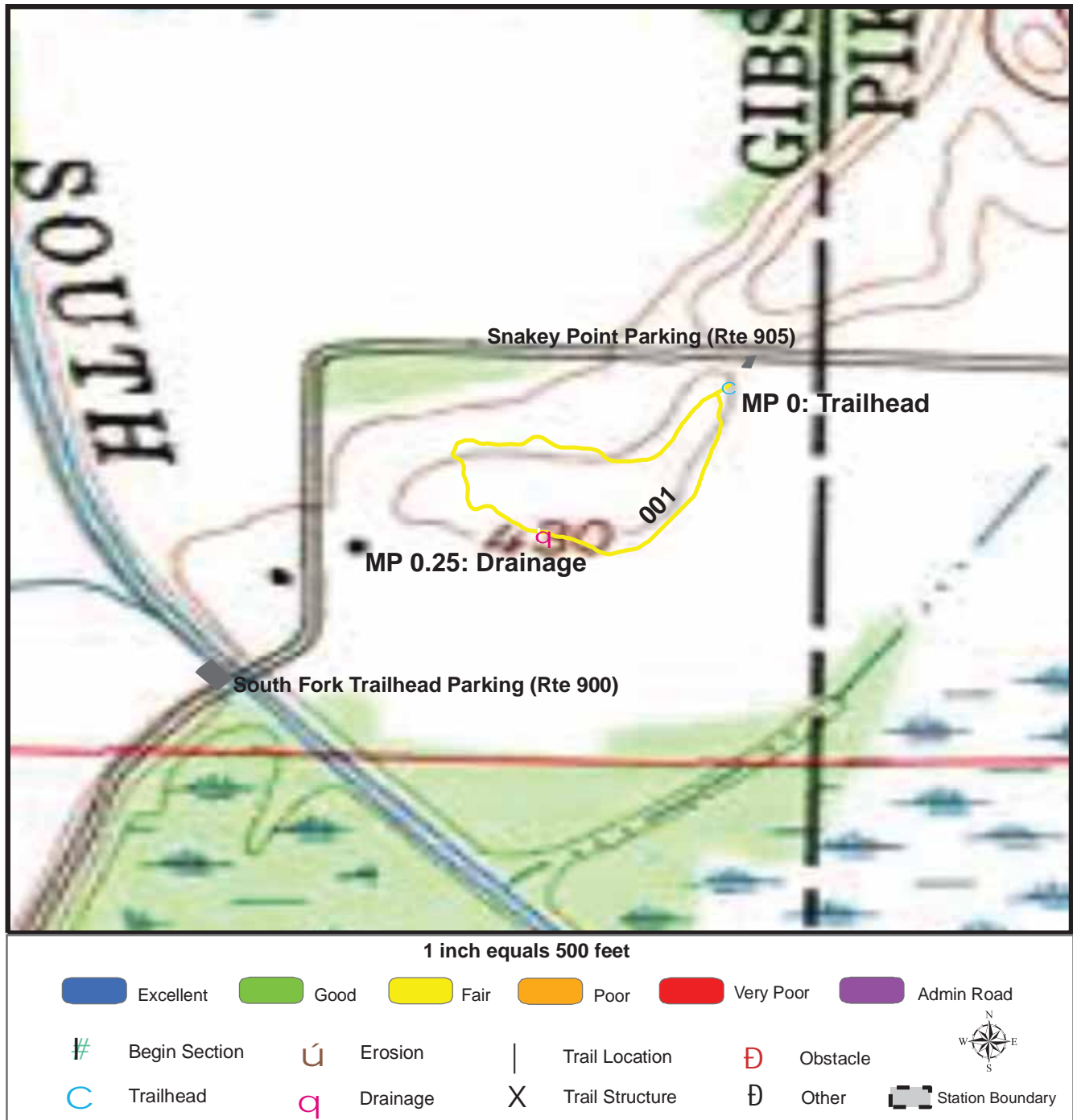
TOTAL LENGTH: 0.62 Miles

Section Number	001	002	003	004	
Section Length (miles)	0.4	0.08	0.12	0.02	
SAMMS Number	10055145	10055145	10055145	10055145	
Rating Date	10/20/2006	10/20/2006	10/20/2006	10/20/2006	
Trail Section Information					
Trail Class	TC3	TC3	TC3	TC3	
Surface Type	Mowed	Mowed	Mowed	Mowed	
Surface Firmness	Firm	Firm	Firm	Firm	
Width (inches)	80	80	65	60	
Average Grade (%)	3.6	3.6	3.6	3.6	
Average X-slope (%)	3.5	3.5	3.5	3.5	
Trail Condition Information					
Deferred Maintenance	\$1700	\$0	\$0	\$0	
CRV	\$17700	\$2900	\$3700	\$600	
FCI	0.096	0	0	0	
Condition	Fair	Excellent	Excellent	Excellent	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$1700	\$24900	0.068	Fair

TRAIL DEFICIENCY



Trail Name: Bird Trail

Refuge Name: Patoka River NWR

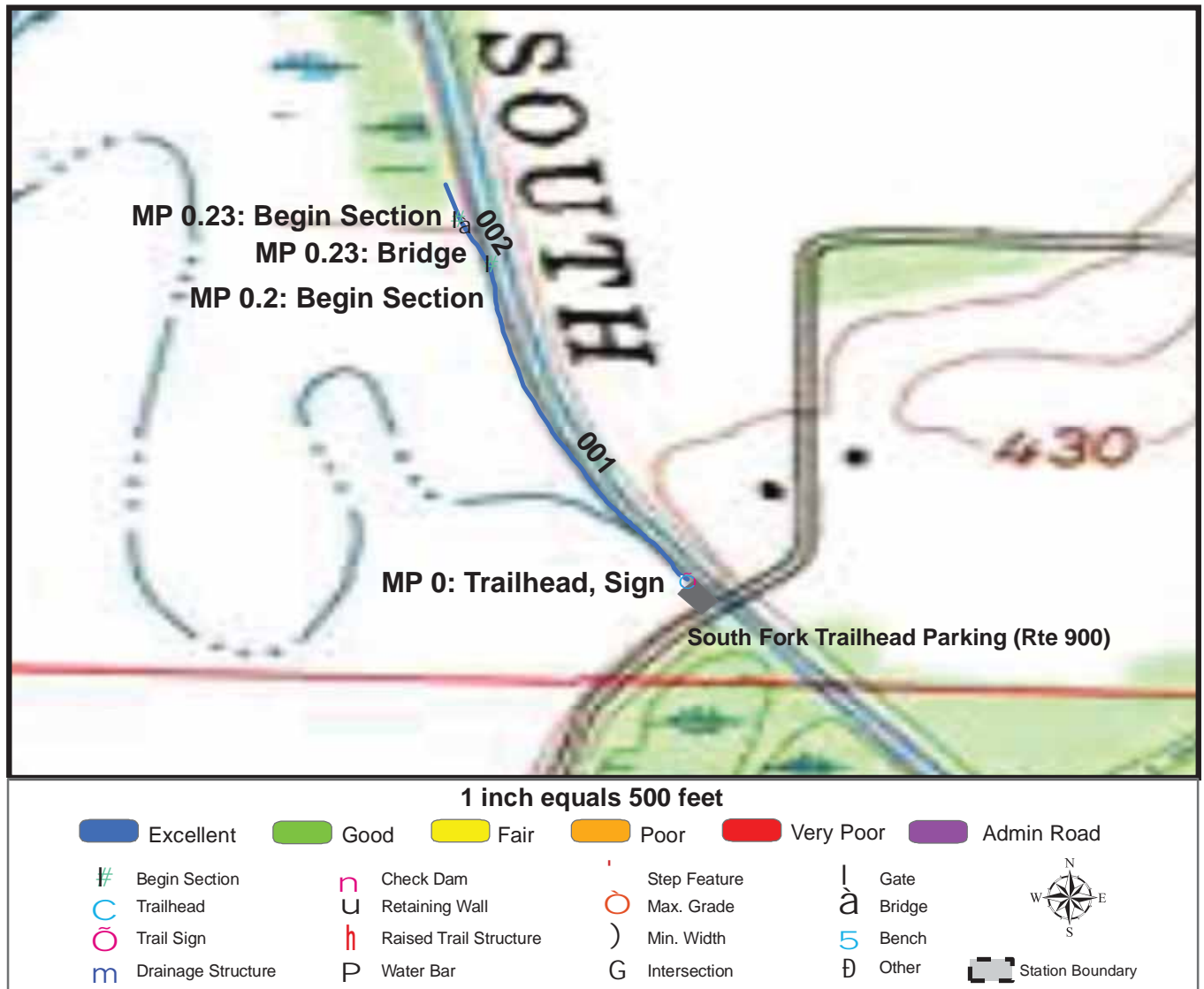
Trail Number: T301

Region: 3

TOTAL LENGTH: 0.62 Miles

Mile Post	0.25	0.25		
Section Number	001	001		
Photo Number	0987	0987		
Deficiency	Drainage	Drainage		
Action	Build/Add	Build/Add		
Item	Culvert -lf	Tread -sf		
Quantity	15	80		
Deferred Maintenance	\$1600	\$100		

TRAIL CONDITION



Trail Name: South Fork Fishing Trail

Refuge Name: Patoka River NWR

Trail Number: T302

Region: 3

TOTAL LENGTH: 0.25 Miles

Section Number	001	002	003		
Section Length (miles)	0.2	0.03	0.02		
SAMMS Number	10054284	10054284	10054284		
Rating Date	10/20/2006	10/20/2006	10/20/2006		
Trail Section Information					
Trail Class	TC3	TC5	TC2		
Surface Type	Native	Boardwalk	Native		
Surface Firmness	Firm	Hard	Firm		
Width (inches)	90	72	24		
Average Grade (%)	2.3	2.3	2.3		
Average X-slope (%)	3.7	3.7	3.7		
Trail Condition Information					
Deferred Maintenance	\$0	\$0	\$0		
CRV	\$34400	\$28300	\$1000		
FCI	0	0	0		
Condition	Excellent	Excellent	Excellent		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$0	\$63700	0	Excellent

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0979 - MP 0.0 - Trailhead

TRAIL NUMBER: **T300**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0978 - MP 0.0 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T300**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0980 - MP 0.11 - Boardwalk

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0986 - MP 0.0 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0985 - MP 0.0 - Sign

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0989 - MP 0.05 - Begin Section 002

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0992 - MP 0.07 - Begin Section 004

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0991 - MP 0.08 - Begin Section 003

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T301**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0987 - MP 0.25 - Drainage Deficiency, Drainage Deficiency

TRAIL NUMBER: **T302**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0993 - MP 0.0 - Trailhead, Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0994 - MP 0.2 - Begin Section 002

TRAIL NUMBER: **T302**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0995 - MP 0.23 - Bridge

PHOTOGRAPHIC SHEET

TRAIL NUMBER: **T302**

STATION: Patoka River NWR

DATE: 10/20/2006



Photo # 0996 - MP 0.23 - Begin Section 003

APPENDIX

Glossary of Terms and Abbreviations

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

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

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



Trail Classification

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

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