

The Trail Inventory of Montezuma NWR

Seneca Falls, NY



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
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Montezuma NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Others		Total
	Miles	%	Miles	%	Miles
Native	0.09	100%	0.00	0%	0.09
Gravel	1.24	100%	0.00	0%	1.24
Mowed	2.07	100%	0.00	0%	2.07
Admin Road	0.00	0%	0.33	100%	0.33
Total	3.40	91%	0.33	9%	3.73

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Others		Total
	Miles	%	Miles	%	Miles
TC3	2.76	91%	0.26	9%	3.02
TC4	0.64	90%	0.07	10%	0.71
Total	3.40	91%	0.33	9%	3.73

*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	Trailhead	1	No	0.00	MONT_C2_0001
T300	Sign	1	No	0.00	MONT_C2_0002
T300	Sign	2	No	0.01	MONT_C2_0003
T300	Step Stones -each	9	No	0.03	
T300	Bridge -sf	144	No	0.04	MONT_C2_0004
T300	Sign	1	No	0.09	MONT_C2_0005
T300	Water Bar:Wood -each	2	No	0.15	
T300	Intersection	1	No	0.17	
T300	Bench	1	No	0.17	
T300	Sign	2	No	0.17	MONT_C2_0006
T300	Water Bar:Wood -each	2	No	0.26	
T300	Water Bar:Wood -each	2	No	0.27	
T300	Sign	3	No	0.49	MONT_C2_0010
T300	Begin Section	1	No	0.51	MONT_C2_0011
T300	Bench	1	No	0.57	
T300	Bridge -sf	160	No	0.66	MONT_C2_0013
T300	Begin Section	1	No	0.68	MONT_C2_0014
T300	Lookout/Ob Deck	1	No	0.73	
T300	Water Bar:Wood -each	3	No	0.76	
T300	Sign	4	No	0.78	MONT_C2_0016
T300	Bench	1	No	0.78	
T300	Bench	1	No	0.94	
T300	Sign	1	No	1.24	MONT_C2_0019
T300	Sign	1	No	1.24	MONT_C2_0018
T300	Begin Section	1	No	1.24	MONT_C2_0020
T300	Water Bar:Wood -each	8	No	1.26	
T300	Sign	1	No	1.26	MONT_C2_0021
T300	Bridge -sf	168	No	1.28	MONT_C2_0022

T300	Water Bar:Wood -each	2	No	1.31	
T300	Water Bar:Wood -each	3	No	1.38	
T300	Water Bar:Wood -each	5	No	1.39	
T300	Bench	1	No	1.40	
T300	Water Bar:Wood -each	1	No	1.49	
T300	Water Bar:Wood -each	9	No	1.53	
T300	Water Bar:Wood -each	3	No	1.65	
T300	Water Bar:Wood -each	5	No	1.68	
T300	Boardwalk -lf	82	No	1.71	MONT_C2_00 24
T300	Begin Section	1	No	1.72	MONT_C2_00 26
T300	Sign	1	No	1.72	MONT_C2_00 25
T301	Trailhead	1	No	0.00	MONT_C2_00 27
T301	Sign	1	No	0.00	MONT_C2_00 28
T301	Lookout/Ob Deck	1	No	0.03	
T301	Sign	1	No	0.03	MONT_C2_00 30
T301	Begin Section	1	No	0.05	MONT_C2_00 31
T301	Begin Section	1	No	0.45	MONT_C2_00 33
T301	Sign	2	No	0.61	MONT_C2_00 32
T302	Sign	2	No	0.00	MONT_C2_00 50
T302	Trailhead	1	No	0.00	MONT_C2_00 49
T302	Culvert -lf	44	No	0.01	
T302	Lookout/Ob Deck	1	No	0.14	
T400	Trailhead	1	No	0.00	MONT_C2_00 34
T400	Bench	1	No	0.01	
T400	Begin Section	1	No	0.01	
T400	Bench	1	No	0.03	
T400	Other	1	No	0.04	MONT_C2_00 39
T400	Sign	1	No	0.04	MONT_C2_00 38
T400	Culvert -lf	10	No	0.04	
T400	Bench	2	No	0.06	
T400	Max Grade- %	8	No	0.06	
T400	Begin Section	1	No	0.06	MONT_C2_00 41
T400	Lookout/Ob Deck	1	No	0.13	
T400	Lookout/Ob Deck	1	No	0.15	

T400	Begin Section	1	No	0.24	MONT_C2_00 44
T400	Other	1	No	0.31	MONT_C2_00 45
T400	Begin Section	1	No	0.31	MONT_C2_00 46
T400	Begin Section	1	No	0.66	MONT_C2_00 47
T400	Begin Section	1	No	0.75	MONT_C2_00 48

sf - square feet

lf - linear feet

cf - cubic feet

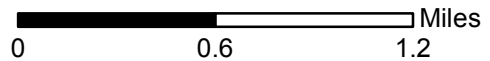
Montezuma NWR Trail Location Map



Station Boundary



HQ/VC



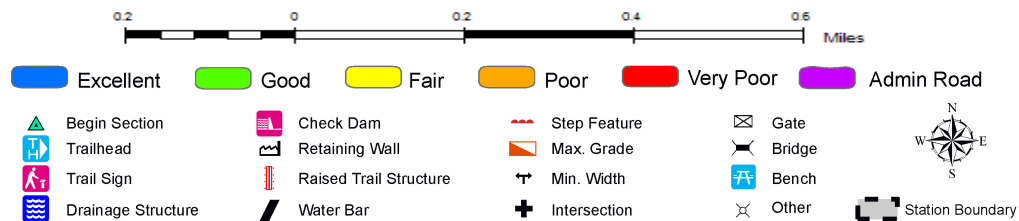
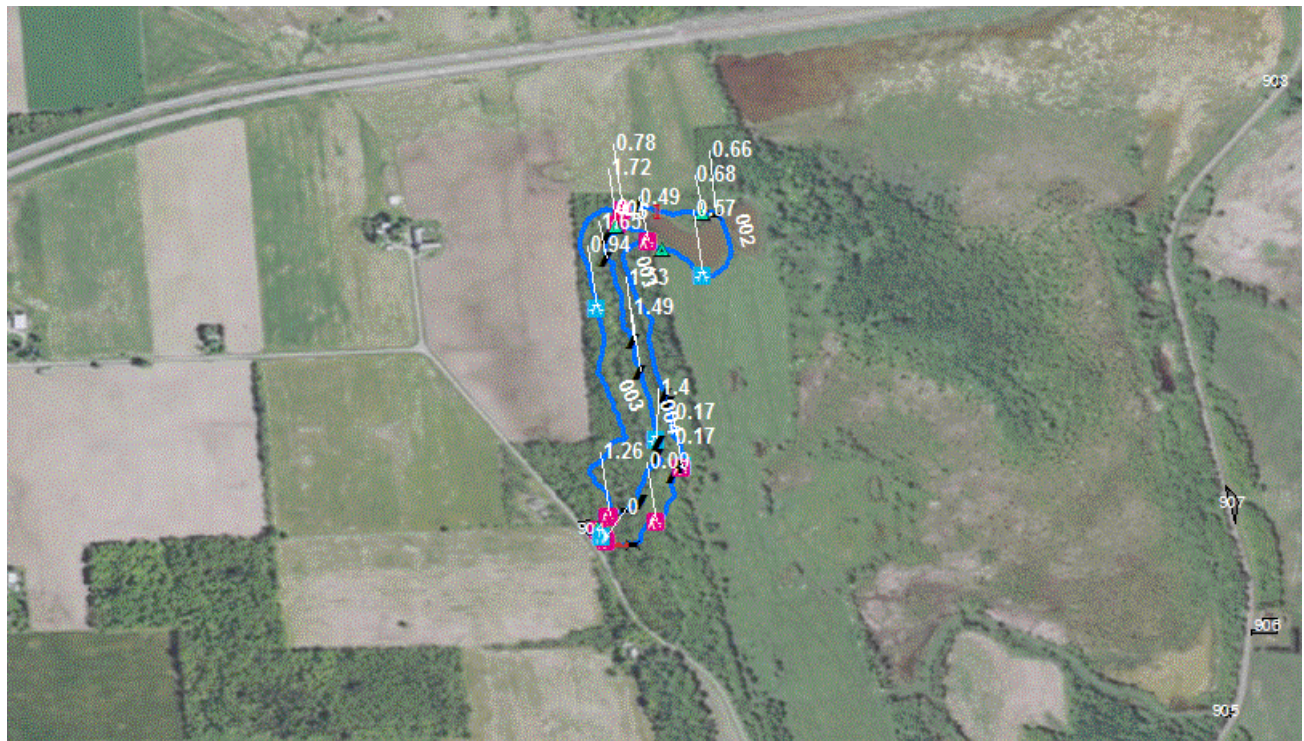
Trails ID

Station Name: Montezuma NWR

Org Code: 52550

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Esker Brook Trail	Gravel	10022711	0.55	From Esker Brook Parking (Rte 904) to End of Loop
T300	Esker Brook Trail	Mowed	10022711	1.21	From Esker Brook Parking (Rte 904) to End of Loop
T301	South Spring Pool Trail	Gravel	10022735	0.05	From South Spring Pool Parking (Rte 905) to Esker Brook Trail (T300)
T301	South Spring Pool Trail	Mowed	10022735	0.86	From South Spring Pool Parking (Rte 905) to Esker Brook Trail (T300)
T302	Photo Blind Trail	Admin Road	10022722	0.14	From Photo Blind Parking (Rte 913) to Photo Blind
T400	Seneca Trail	Admin Road	10054612	0.19	From Visitor Parking (Rte 900) to Visitor Parking (Rte 900)
T400	Seneca Trail	Gravel	10054612	0.64	From Visitor Parking (Rte 900) to Visitor Parking (Rte 900)
T400	Seneca Trail	Native	10054612	0.09	From Visitor Parking (Rte 900) to Visitor Parking (Rte 900)

TRAIL CONDITION



Trail Name: Esker Brook Trail
Trail Number: T300

Refuge Name: Montezuma NWR
Region: 5

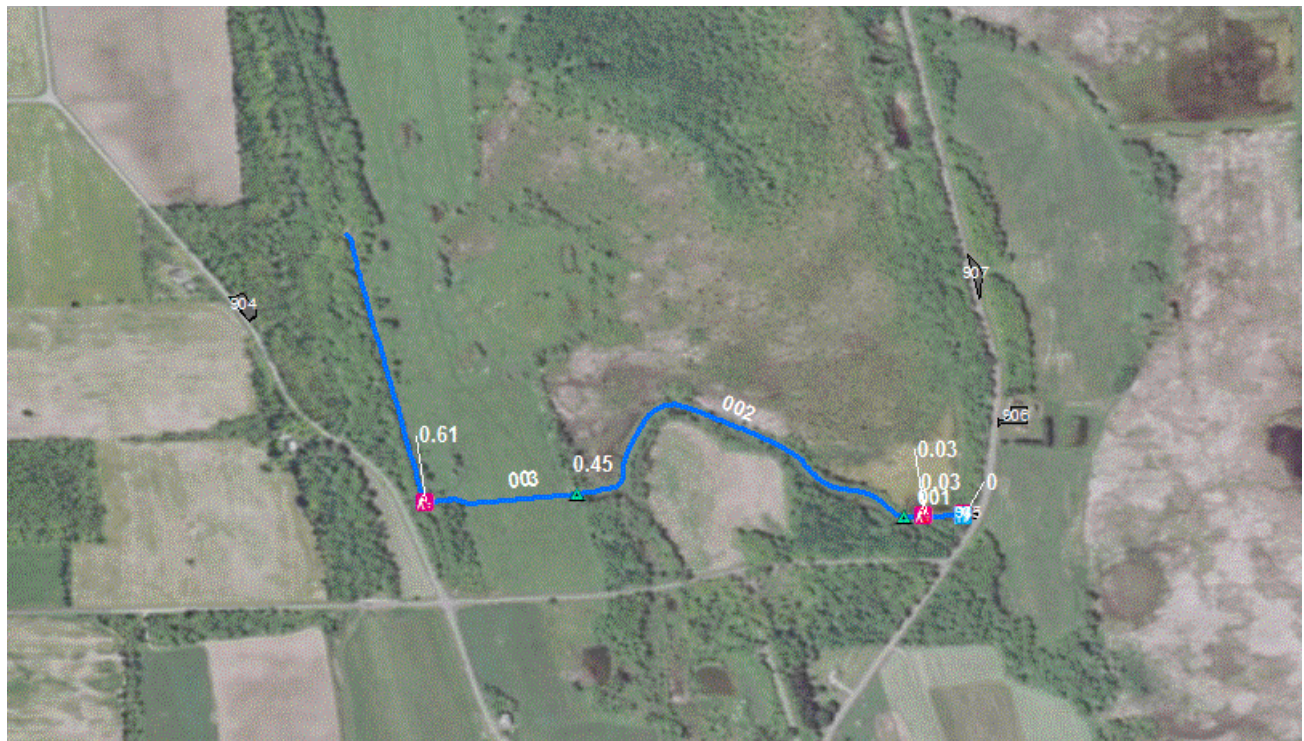
Total Length: 1.76 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.51	0.17	0.56	0.48	0.04
SAMMS Number	10022711	10022711	10022711	10022711	10022711
Rating Date	07/14/2006	07/14/2006	07/14/2006	07/14/2006	07/14/2006
Trail Section Information					
Trail Class	TC3	TC3	TC3	TC3	TC3
Surface Type	Gravel	Mowed	Mowed	Mowed	Gravel
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	48	84	48	48	24
Average Grade (%)	3.5	3.5	3.5	3.5	3.5
Average X-slope (%)	2.90	2.90	2.90	2.90	2.90
Trail Condition Information					
Deferred Maintenance	\$915				
CRV	\$53,976	\$7,215	\$13,582	\$11,642	\$2,115
FCI	0.01	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$915	\$88,530	0.01	Excellent

TRAIL CONDITION



Trail Name: South Spring Pool Trail
Trail Number: T301

Refuge Name: Montezuma NWR
Region: 5

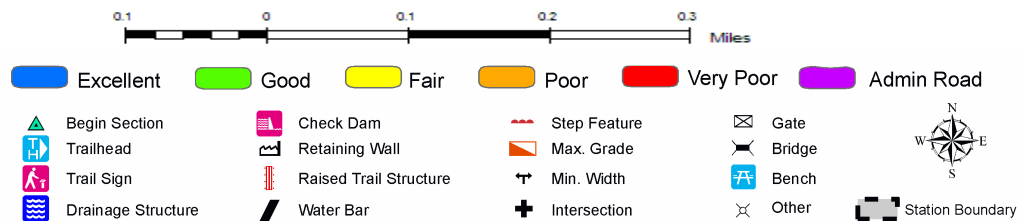
Total Length: 0.91 Miles

Section Number	001	002	003
Section Length (miles)	0.05	0.40	0.46
SAMMS Number	10022735	10022735	10022735
Rating Date	07/14/2006	07/14/2006	07/14/2006
Trail Section Information			
Trail Class	TC3	TC3	TC3
Surface Type	Gravel	Mowed	Mowed
Surface Firmness	Firm	Firm	Firm
Width (inches)	48	72	72
Average Grade (%)	3.5	3.5	3.5
Average X-slope (%)	3.20	3.20	3.20
Trail Condition Information			
Deferred Maintenance			
CRV	\$5,292	\$14,553	\$16,736
FCI	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$36,580	0.00	Excellent

TRAIL CONDITION



Trail Name: Photo Blind Trail
Trail Number: T302

Refuge Name: Montezuma NWR
Region: 5

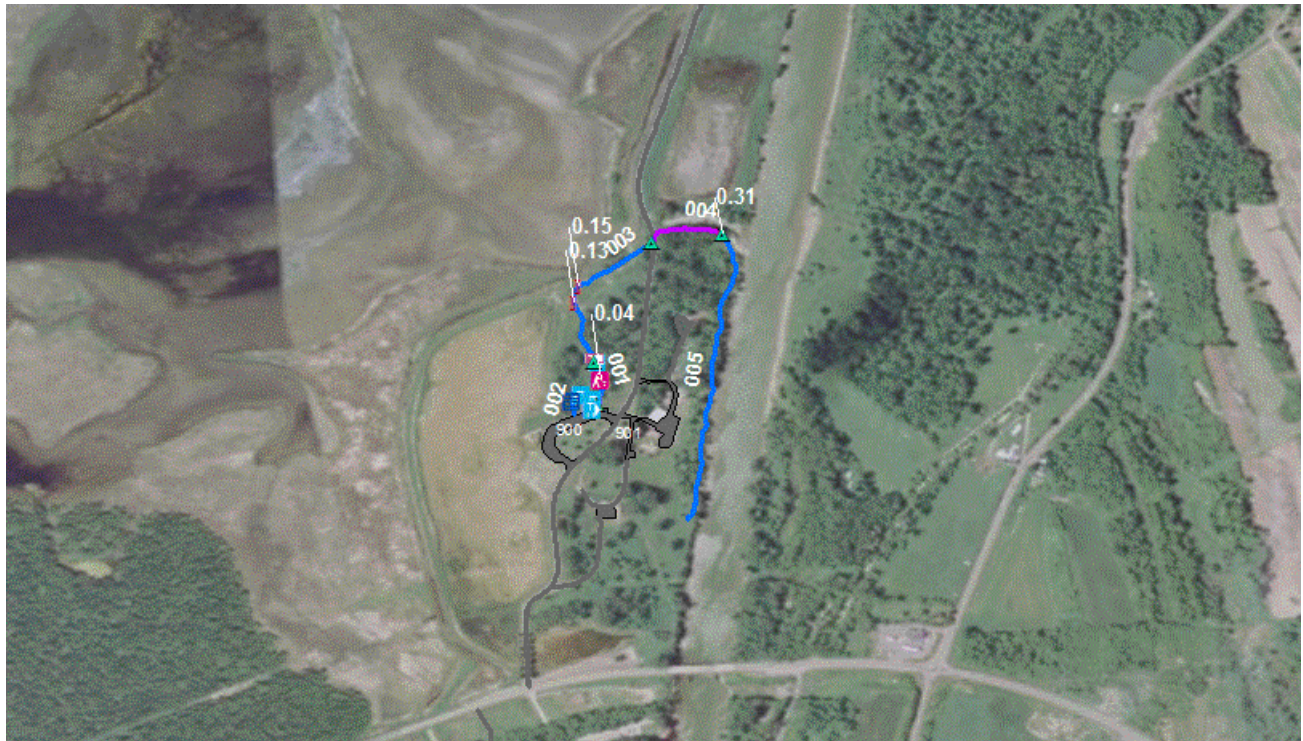
Total Length: 0.14 Miles

Section Number	001
Section Length (miles)	0.14
SAMMS Number	10022722
Rating Date	07/14/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Admin Road
Surface Firmness	Firm
Width (inches)	84
Average Grade (%)	2.3
Average X-slope (%)	1.80
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL CONDITION



Trail Name: Seneca Trail

Refuge Name: Montezuma NWR

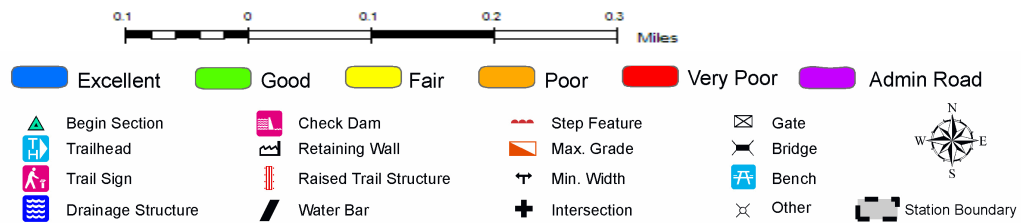
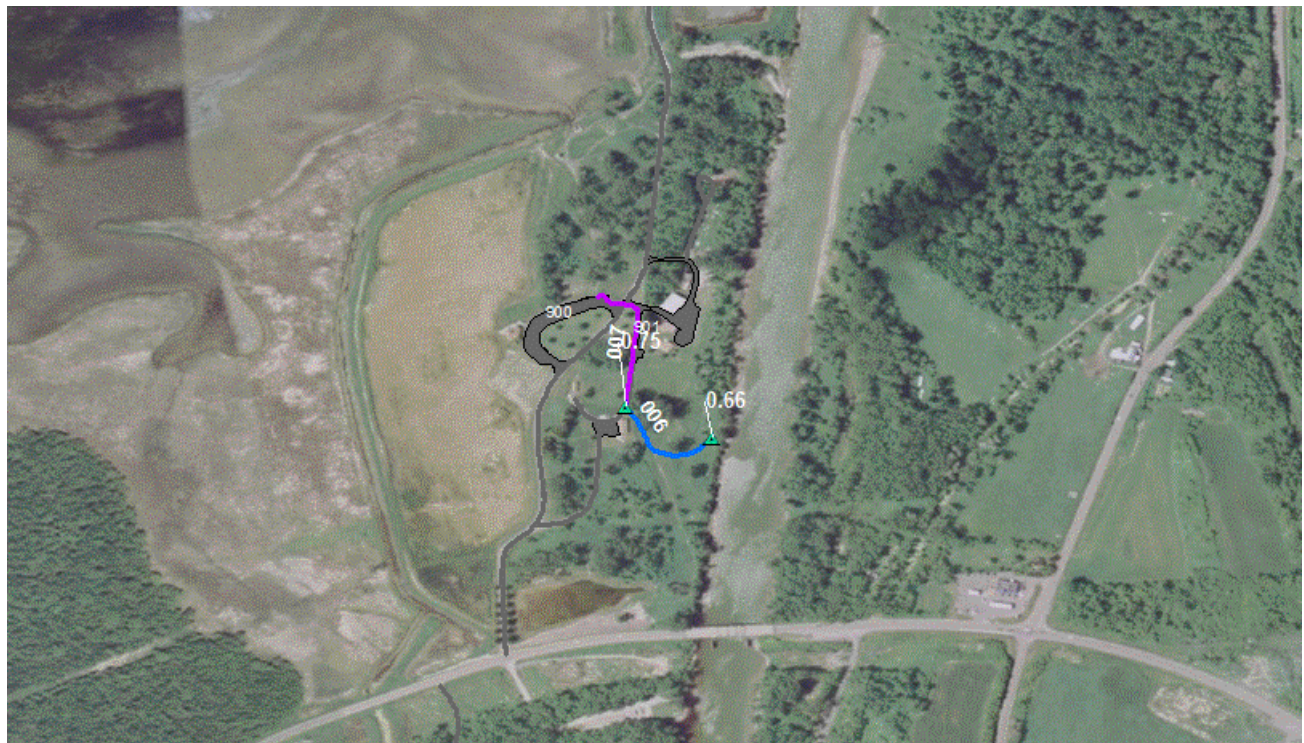
Trail Number: T400

Region: 5

Total Length: 0.92 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.06	0.05	0.18	0.07	0.35
SAMMS Number	10054612	10054612	10054612	10054612	10054612
Rating Date	07/14/2006	07/14/2006	07/14/2006	07/14/2006	07/14/2006
Trail Section Information					
Trail Class	TC4	TC4	TC4	TC4	TC4
Surface Type	Gravel	Gravel	Gravel	Admin Road	Gravel
Surface Firmness	Firm	Firm	Firm	Firm	Firm
Width (inches)	60	72	60	120	60
Average Grade (%)	2.7	2.7	2.7	2.7	2.7
Average X-slope (%)	1.40	1.40	1.40	1.40	1.40
Trail Condition Information					
Deferred Maintenance					
CRV	\$7,938	\$7,938	\$23,813		\$46,303
FCI	0.00	0.00	0.00		0.00
Condition	Excellent	Excellent	Excellent		Excellent

TRAIL CONDITION



Trail Name: Seneca Trail
Trail Number: T400

Refuge Name: Montezuma NWR
Region: 5

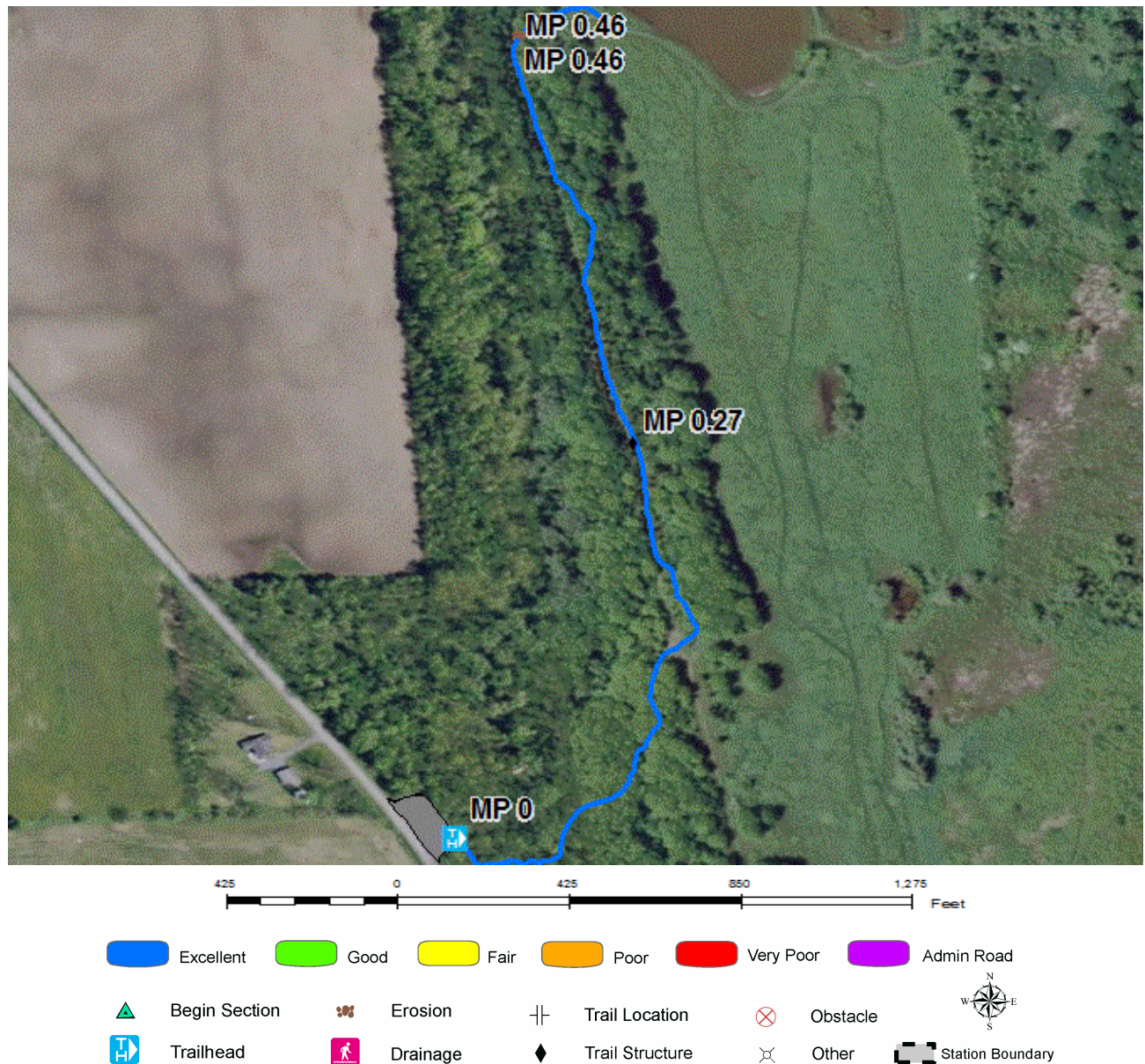
Total Length: 0.92 Miles

Section Number	006	007
Section Length (miles)	0.09	0.12
SAMMS Number	10054612	10054612
Rating Date	07/14/2006	07/14/2006
Trail Section Information		
Trail Class	TC3	TC3
Surface Type	Native	Admin Road
Surface Firmness	Firm	Firm
Width (inches)	96	120
Average Grade (%)	2.7	2.7
Average X-slope (%)	1.40	1.40
Trail Condition Information		
Deferred Maintenance		
CRV	\$17,465	
FCI	0.00	
Condition	Excellent	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$103,457	0.00	Excellent

TRAIL DEFICIENCY



Trail Name: Esker Brook Trail

Refuge Name: Montezuma NWR

Trail Number: T300

Region: 5

Total Length: 1.76 Miles

Mile Post	0.27	0.46	0.46
Section Number	001	001	001
Photo Number	MONT_C2_0009		
Deficiency	Trail Structure	Erosion	Erosion
Action	Repair	Repair	Build/Add
Item	Water Bar:Wood -each	Tread -sf	Water Bar:Wood -each
Quantity	2	120	4
Deferred Maintenance	\$141	\$347	\$426

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0001 - MP 0.00 - Trailhead

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0002 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0003 - MP 0.01 - Sign

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0004 - MP 0.04 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0005 - MP 0.09 - Sign

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0006 - MP 0.17 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0010 - MP 0.49 - Sign

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0011 - MP 0.51 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0013 - MP 0.66 - Bridge -sf

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0014 - MP 0.68 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0016 - MP 0.78 - Sign

TRAIL NUMBER: T300

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0018 - MP 1.24 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0019 - MP 1.24 - Sign

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0020 - MP 1.24 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0021 - MP 1.26 - Sign

TRAIL NUMBER: T300

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0022 - MP 1.28 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0024 - MP 1.71 - Boardwalk -lf

TRAIL NUMBER: T300
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0026 - MP 1.72 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0025 - MP 1.72 - Sign

TRAIL NUMBER: T301

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0027 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0028 - MP 0.00 - Sign

TRAIL NUMBER: T301
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0030 - MP 0.03 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0031 - MP 0.05 - Begin Section

TRAIL NUMBER: T301
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0033 - MP 0.45 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0032 - MP 0.61 - Sign

TRAIL NUMBER: T302

STATION: Montezuma NWR

DATE: 07/14/2006



Photo # MONT_C2_0049 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0050 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0034 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0038 - MP 0.04 - Sign

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0039 - MP 0.04 - Other

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0041 - MP 0.06 - Begin Section

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0044 - MP 0.24 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0045 - MP 0.31 - Other

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0046 - MP 0.31 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0047 - MP 0.66 - Begin Section

TRAIL NUMBER: T400
STATION: Montezuma NWR
DATE: 07/14/2006



Photo # MONT_C2_0048 - MP 0.75 - Begin Section

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	SAMMS 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 .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
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.
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.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.