

The Trail Inventory of Brazoria NWR Freeport, TX



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
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Brazoria 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	0.49	100%	0.00	0%	0.49
Gravel	0.17	100%	0.00	0%	0.17
Asphalt	0.10	100%	0.00	0%	0.10
Boardwalk	0.09	100%	0.00	0%	0.09
Mowed	1.06	100%	0.00	0%	1.06
Admin Road	0.00	0%	1.84	100%	1.84
Total	1.91	51%	1.84	49%	3.75

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Others		Total
	Miles	%	Miles	%	Miles
TC3	0.49	21%	1.84	79%	2.33
TC4	1.23	100%	0.00	0%	1.23
TC5	0.19	100%	0.00	0%	0.19
Total	1.91	51%	1.84	49%	3.75

*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	BRAZ_C2_1476
T300	Sign	1	No	0.00	BRAZ_C2_0139
T300	Gate	1	No	0.00	BRAZ_C2_0133
T300	Gate	1	No	0.47	BRAZ_C2_1477
T300	Sign	1	No	0.48	BRAZ_C2_0140
T300	Sign	2	No	0.51	BRAZ_C2_0141
T300	Gate	1	No	0.54	BRAZ_C2_1478
T300	Sign	1	No	0.92	BRAZ_C2_1482
T300	Sign	1	No	0.92	BRAZ_C2_0143
T300	Bridge -sf	330	No	0.92	BRAZ_C2_1482
T300	Gate	1	No	1.19	BRAZ_C2_1483
T300	Max Grade- %	4	No	1.21	
T300	Max Grade- %	4	No	1.21	
T300	Gate	1	No	1.21	BRAZ_C2_1483
T300	Gate	1	No	1.55	BRAZ_C2_1484
T300	Sign	1	No	1.58	BRAZ_C2_0145
T300	Sign	3	No	1.58	BRAZ_C2_0132
T300	Gate	1	No	1.59	BRAZ_C2_1485
T301	Max Grade- %	1	No	0.00	
T301	Sign	1	No	0.00	BRAZ_C2_0119
T301	Trailhead	1	No	0.00	BRAZ_C2_0118
T301	Gate	1	No	0.00	BRAZ_C2_0118
T301	Turnpike -lf	80	No	0.02	BRAZ_C2_0120
T301	Culvert -lf	16	No	0.03	BRAZ_C2_0121

T301	Bench	1	No	0.45	BRAZ_C2_012 2
T400	Trailhead	1	No	0.00	BRAZ_C2_152 3
T400	Sign	1	No	0.03	BRAZ_C2_012 3
T400	Bench	4	No	0.04	
T400	Lookout/Ob Deck	1	No	0.04	BRAZ_C2_012 4
T400	Sign	1	No	0.05	BRAZ_C2_152 5
T400	Other	1	No	0.05	BRAZ_C2_013 4
T400	Sign	1	No	0.06	BRAZ_C2_013 5
T400	Begin Section	1	No	0.09	
T400	Sign	1	No	0.10	BRAZ_C2_149 9
T400	Sign	12	Yes	0.12	BRAZ_C2_150 0
T400	Sign	1	No	0.14	BRAZ_C2_150 1
T400	Sign	1	No	0.20	BRAZ_C2_012 5
T400	Sign	1	No	0.22	BRAZ_C2_150 5
T400	Sign	1	No	0.27	BRAZ_C2_012 6
T400	Begin Section	1	No	0.30	BRAZ_C2_151 8
T400	Bench	1	No	0.32	
T400	Sign	1	No	0.33	BRAZ_C2_012 7
T400	Sign	1	No	0.36	BRAZ_C2_012 8
T400	Sign	1	No	0.39	BRAZ_C2_012 9
T400	Sign	1	No	0.43	BRAZ_C2_013 0
T400	Sign	1	No	0.45	BRAZ_C2_013 1
T400	Lookout/Ob Deck	1	No	0.54	BRAZ_C2_151 5
T400	Begin Section	1	No	0.79	BRAZ_C2_151 7
T400	Sign	6	Yes	0.79	BRAZ_C2_149 0
T400	Bench	1	No	0.92	
T400	Begin Section	1	No	0.98	BRAZ_C2_151 9
T400	Bench	1	No	1.03	

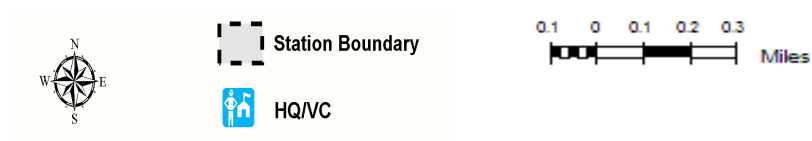
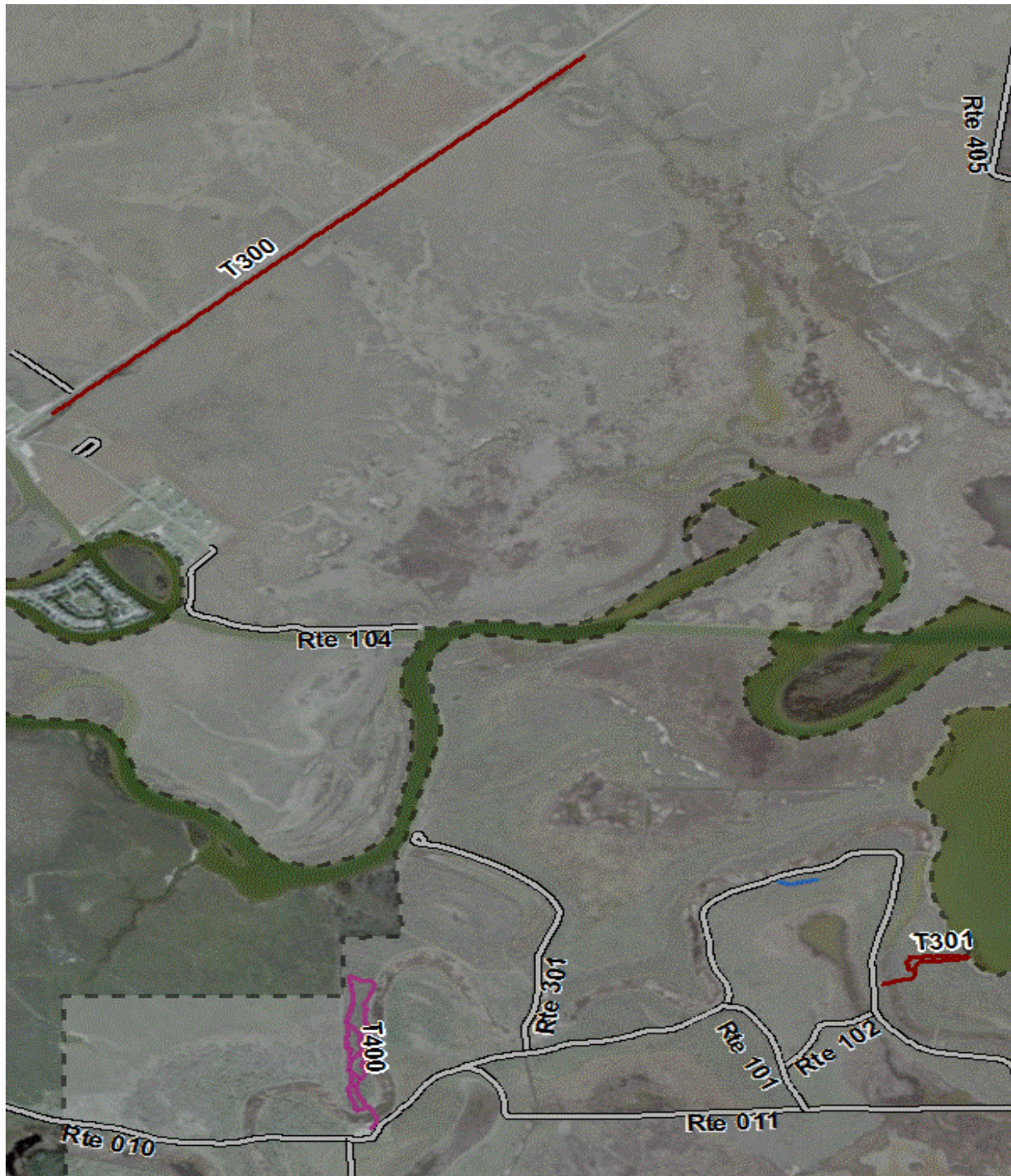
T400	Sign	8	Yes	1.07	BRAZ_C2_013 7
T400	Other	1	No	1.13	BRAZ_C2_013 6
T400	Bench	1	No	1.15	
T400	Sign	5	Yes	1.15	BRAZ_C2_148 6
T500	Sign	1	No	0.00	BRAZ_C2_011 1
T500	Trailhead	1	No	0.00	BRAZ_C2_011 0
T500	Bench	2	No	0.08	BRAZ_C2_011 3
T500	Max Grade- %	9	No	0.08	
T500	Lookout/Ob Deck	1	No	0.08	BRAZ_C2_011 2
T500	Bench	1	No	0.10	BRAZ_C2_011 4
T500	Other	1	No	0.10	BRAZ_C2_011 5
T500	Sign	3	No	0.10	BRAZ_C2_011 6

sf - square feet

lf - linear feet

cf - cubic feet

Brazoria NWR Trail Location Map



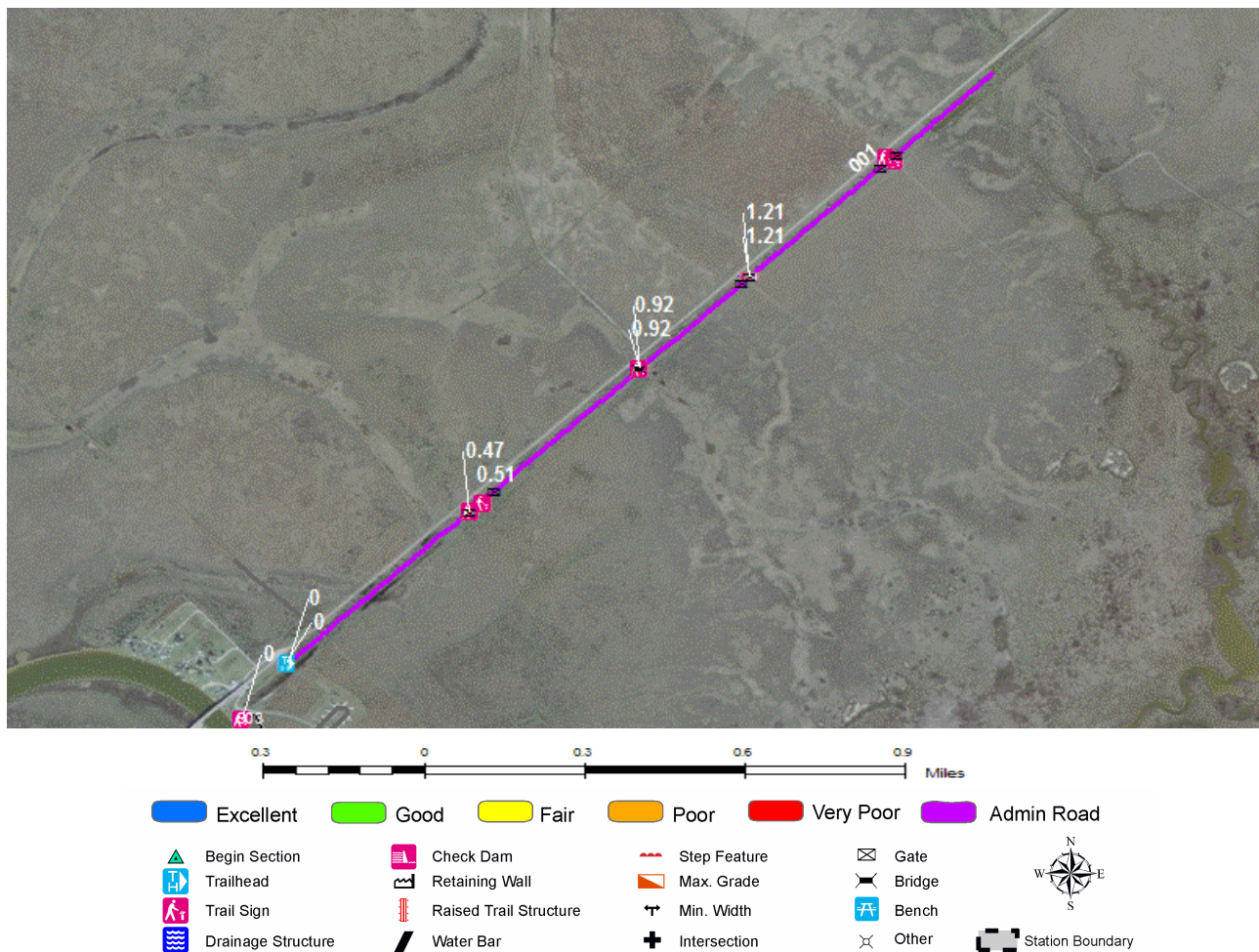
Trails ID

Station Name: Brazoria NWR

Org Code: 21543

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Middle Bayou Trail	Admin Road	10007287	1.84	From CR 227 to CR 227
T301	Cox Lake Trail	Native	80499	0.49	From Big Slough Auto Tour Route (Rt. 101) To Memorial \Trailhead
T400	Big Slough Trail	Boardwalk	10007266	0.09	From Pavilion Parking (Rte 905) to End of Trail at Section 002
T400	Big Slough Trail	Gravel	10007266	0.17	From Pavilion Parking (Rte 905) to End of Trail at Section 002
T400	Big Slough Trail	Mowed	10007266	1.06	From Pavilion Parking (Rte 905) to End of Trail at Section 002
T500	Teal Pond Trail	Asphalt	80496	0.10	From Big Slough Auto Tour Route (Rt. 101) To End of Trail

TRAIL CONDITION



Trail Name: Middle Bayou Trail
Trail Number: T300

Refuge Name: Brazoria NWR
Region: 2

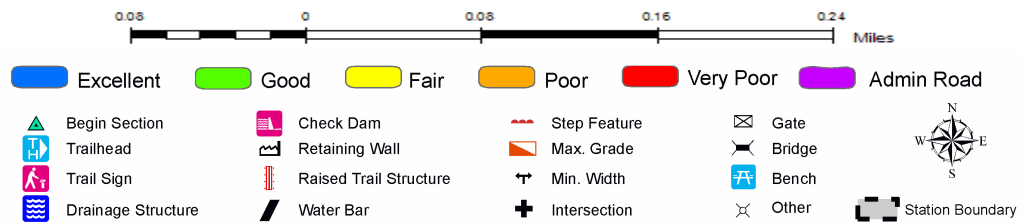
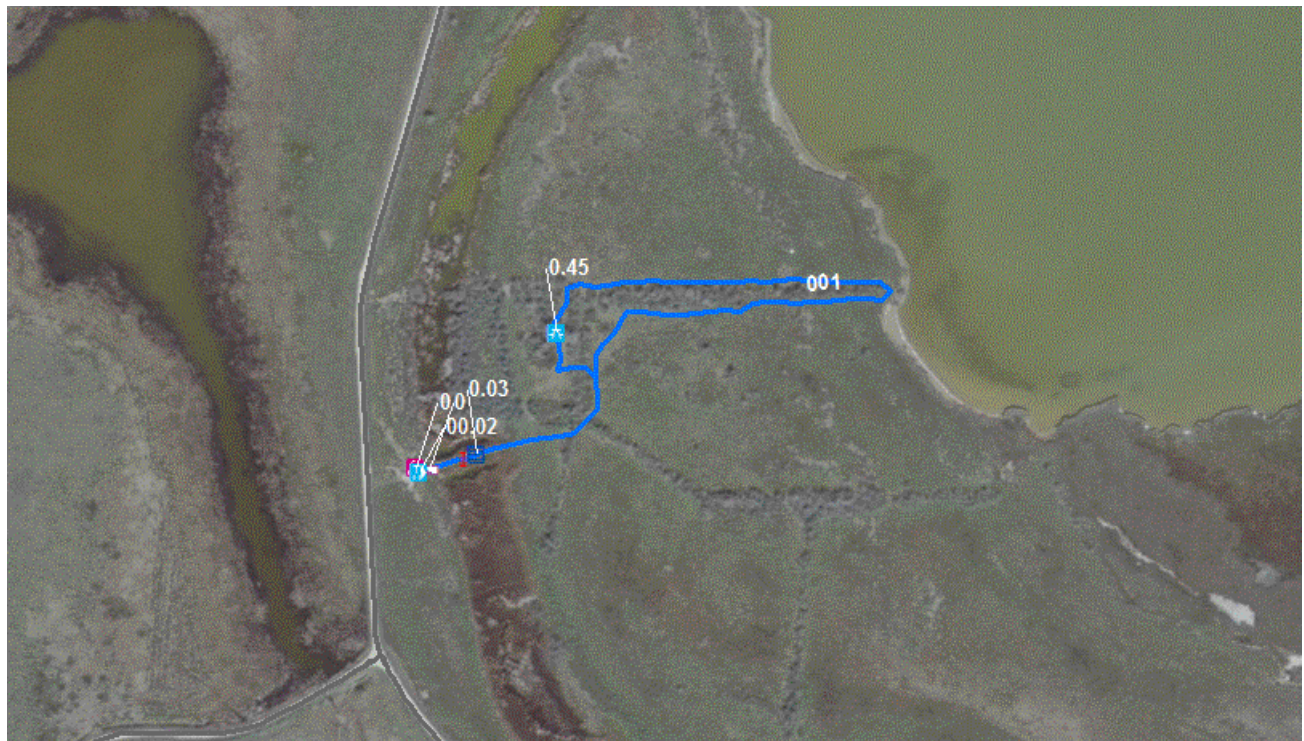
Total Length: 1.84 Miles

Section Number	001
Section Length (miles)	1.84
SAMMS Number	10007287
Rating Date	05/10/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Admin Road
Surface Firmness	Firm
Width (inches)	70
Average Grade (%)	1.4
Average X-slope (%)	2.78
Trail Condition Information	
Deferred Maintenance	\$78
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$78			

TRAIL CONDITION



Trail Name: Cox Lake Trail
Trail Number: T301

Refuge Name: Brazoria NWR
Region: 2

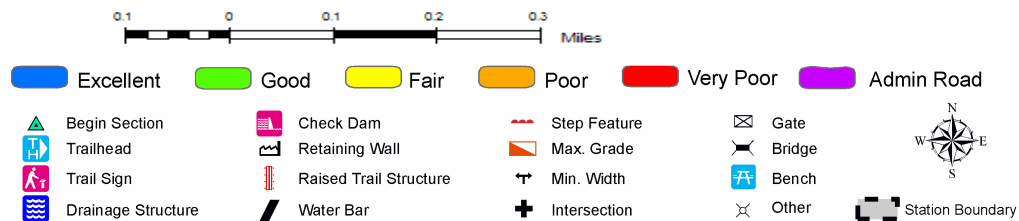
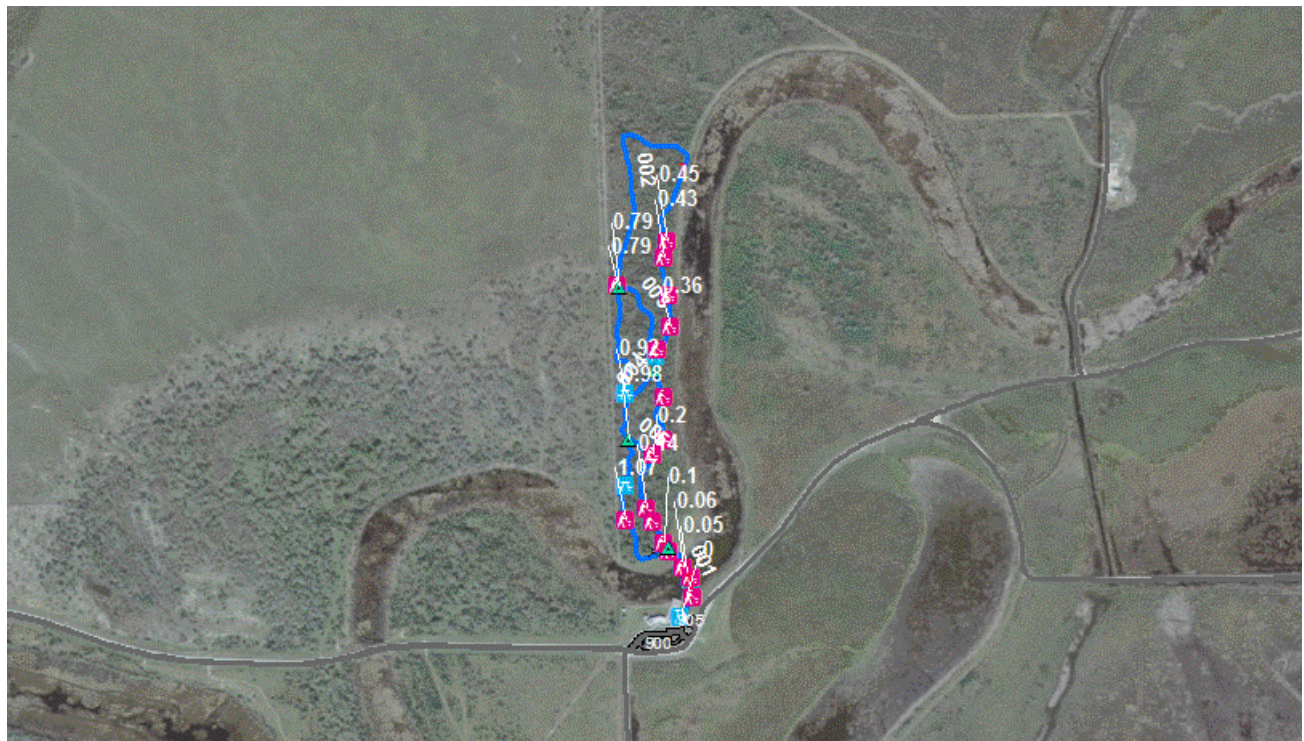
Total Length: 0.49 Miles

Section Number	001
Section Length (miles)	0.49
SAMMS Number	80499
Rating Date	03/14/2011
Trail Section Information	
Trail Class	TC3
Surface Type	Native
Surface Firmness	Firm
Width (inches)	88
Average Grade (%)	0.7
Average X-slope (%)	1.00
Trail Condition Information	
Deferred Maintenance	
CRV	\$73,630
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$73,630	0.00	Excellent

TRAIL CONDITION



Trail Name: Big Slough Trail
Trail Number: T400

Refuge Name: Brazoria NWR
Region: 2

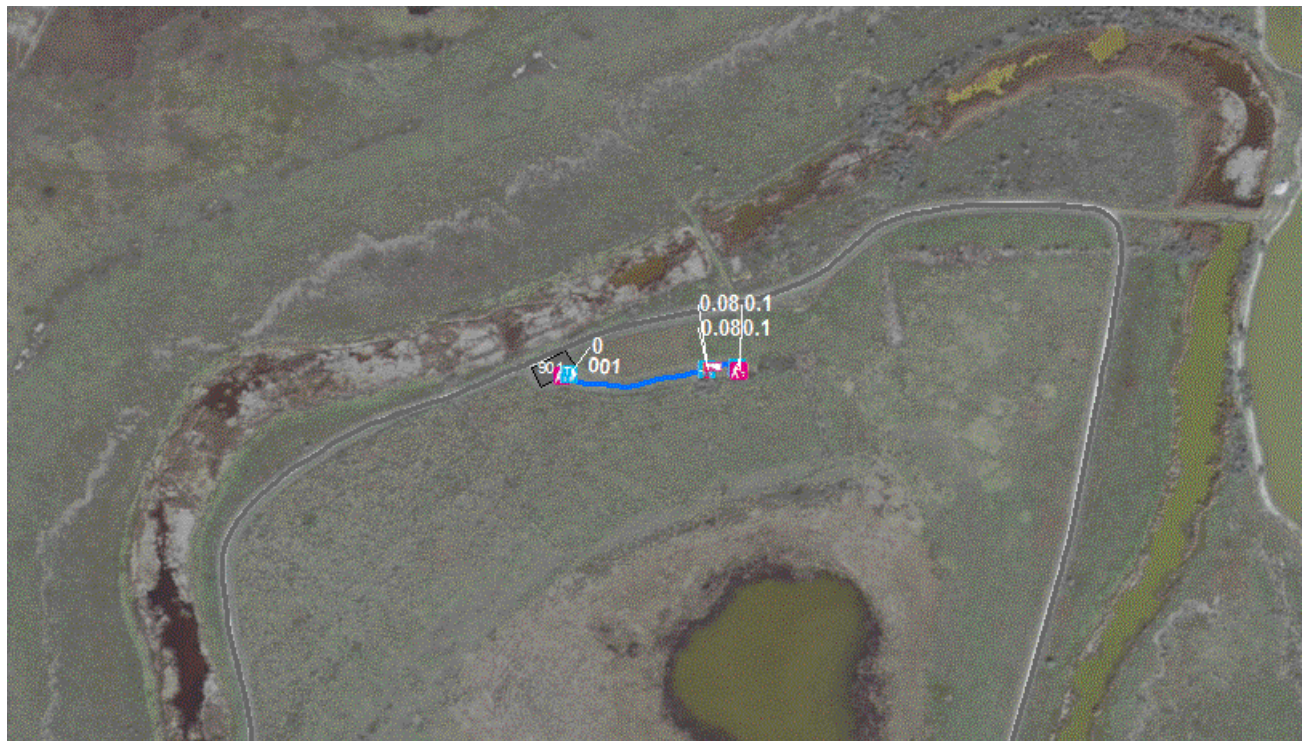
Total Length: 1.32 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.09	1.06	0.10	0.04	0.03
SAMMS Number	10007266	10007266	10007266	10007266	10007266
Rating Date	05/10/2006	05/10/2006	05/10/2006	05/10/2006	05/10/2006
Trail Section Information					
Trail Class	TC5	TC4	TC4	TC4	TC4
Surface Type	Boardwalk	Mowed	Gravel	Gravel	Gravel
Surface Firmness	Hard	Firm	Firm	Firm	Firm
Width (inches)	72	106	106	106	106
Average Grade (%)	1.5	1.5	1.5	1.5	1.5
Average X-slope (%)	2.30	2.30	2.30	2.30	2.30
Trail Condition Information					
Deferred Maintenance					
CRV	\$59,819	\$47,965	\$19,746	\$7,900	\$5,923
FCI	0.00	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$141,352	0.00	Excellent

TRAIL CONDITION



Trail Name: Teal Pond Trail
Trail Number: T500

Refuge Name: Brazoria NWR
Region: 2

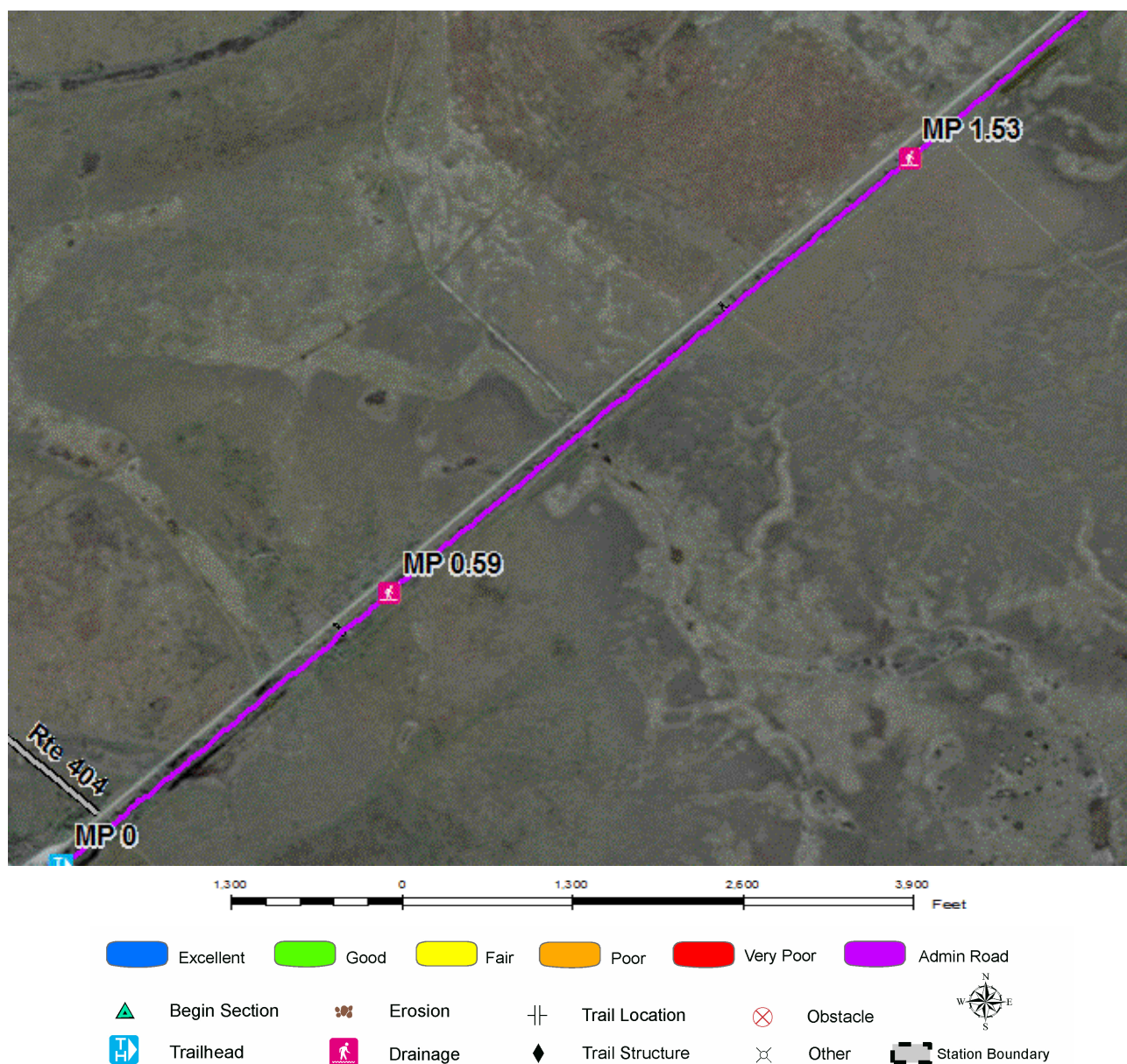
Total Length: 0.10 Miles

Section Number	001
Section Length (miles)	0.10
SAMMS Number	80496
Rating Date	03/14/2011
Trail Section Information	
Trail Class	TC5
Surface Type	Asphalt
Surface Firmness	N/A
Width (inches)	60
Average Grade (%)	5.0
Average X-slope (%)	4.20
Trail Condition Information	
Deferred Maintenance	
CRV	\$14,333
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$14,333	0.00	Excellent

TRAIL DEFICIENCY



Trail Name: Middle Bayou Trail

Refuge Name: Brazoria NWR

Trail Number: T300

Region: 2

Total Length: 1.84 Miles

Mile Post	0.59	1.53
Section Number	001	001
Photo Number	BRAZ_C2_0142	BRAZ_C2_0144
Deficiency	Drainage	Drainage
Action	Build/Add	Build/Add
Item	Other	Other
Quantity	1	1
Deferred Maintenance	\$39	\$39

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1476 - MP 0.00 - Trailhead

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0133 - MP 0.00 - Gate

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0139 - MP 0.00 - Sign

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1477 - MP 0.47 - Gate

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0140 - MP 0.48 - Sign

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0141 - MP 0.51 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1478 - MP 0.54 - Gate

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1482 - MP 0.92 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1482 - MP 0.92 - Sign

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0143 - MP 0.92 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1483 - MP 1.19 - Gate

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1483 - MP 1.21 - Gate

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1484 - MP 1.55 - Gate

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0145 - MP 1.58 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0132 - MP 1.58 - Sign

TRAIL NUMBER: T300
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1485 - MP 1.59 - Gate

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0118 - MP 0.00 - Trailhead

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0118 - MP 0.00 - Gate

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0119 - MP 0.00 - Sign

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0120 - MP 0.02 - Turnpike -If

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0121 - MP 0.03 - Culvert -lf

TRAIL NUMBER: T301
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0122 - MP 0.45 - Bench

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1523 - MP 0.00 - Trailhead

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0123 - MP 0.03 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0124 - MP 0.04 - Lookout/Ob Deck

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1525 - MP 0.05 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0134 - MP 0.05 - Other

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0135 - MP 0.06 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1499 - MP 0.10 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1500 - MP 0.12 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1501 - MP 0.14 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0125 - MP 0.20 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1505 - MP 0.22 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0126 - MP 0.27 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0127 - MP 0.33 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0128 - MP 0.36 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0129 - MP 0.39 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0130 - MP 0.43 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0131 - MP 0.45 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1515 - MP 0.54 - Lookout/Ob Deck

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1490 - MP 0.79 - Sign

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0137 - MP 1.07 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0136 - MP 1.13 - Other

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1486 - MP 1.15 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1517 - MP 0.79 - Begin Section

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1518 - MP 0.30 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Brazoria NWR
DATE: 05/10/2006



Photo # BRAZ_C2_1519 - MP 0.98 - Begin Section

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0110 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0111 - MP 0.00 - Sign

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0112 - MP 0.08 - Lookout/Ob Deck

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0113 - MP 0.08 - Bench

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0114 - MP 0.10 - Bench

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0115 - MP 0.10 - Other

TRAIL NUMBER: T500
STATION: Brazoria NWR
DATE: 03/14/2011



Photo # BRAZ_C2_0116 - MP 0.10 - Sign

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.