

The Trail Inventory of National Key Deer Refuge

Big Pine Key, FL



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
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National Key Deer Refuge

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Others		Total
	Miles	%	Miles	%	Miles
Native	1.40	100%	0.00	0%	1.40
Gravel	0.95	100%	0.00	0%	0.95
Concrete	0.05	100%	0.00	0%	0.05
Admin Road	0.00	0%	1.67	100%	1.67
Total	2.40	59%	1.67	41%	4.07

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Others		Total
	Miles	%	Miles	%	Miles
TC2	0.61	100%	0.00	0%	0.61
TC3	0.79	100%	0.00	0%	0.79
TC4	0.95	100%	0.00	0%	0.95
TC5	0.05	3%	1.67	97%	1.72
Total	2.40	59%	1.67	41%	4.07

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

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Trailhead	1	No	0.00	NADE_C2_006 1
T200	Sign	1	No	0.00	NADE_C2_006 2
T200	Sign	1	No	0.07	NADE_C2_006 3
T300	Trailhead	1	No	0.00	NADE_C2_006 4
T400	Sign	1	No	0.00	NADE_C2_000 1
T400	Trailhead	1	No	0.00	NADE_C2_000 2
T400	Sign	1	No	0.01	NADE_C2_000 4
T400	Sign	1	No	0.01	NADE_C2_000 3
T400	Sign	1	No	0.02	NADE_C2_000 5
T400	Sign	12	Yes	0.05	NADE_C2_000 6
T400	Sign	3	No	0.06	NADE_C2_000 7
T400	Sign	1	No	0.12	NADE_C2_001 0
T400	Sign	1	No	0.20	NADE_C2_001 2
T400	Sign	1	No	0.34	NADE_C2_001 7
T400	Crib: Log -cf	60	No	0.35	
T400	Culvert -lf	8	No	0.37	
T400	Culvert -lf	8	No	0.38	
T400	Culvert -lf	8	No	0.38	
T400	Bridge -sf	20	No	0.64	NADE_C2_002 7
T401	Trailhead	1	No	0.00	NADE_C2_003 2
T401	Sign	4	Yes	0.00	NADE_C2_002 9
T401	Sign	1	No	0.02	NADE_C2_003 3
T401	Bench	1	No	0.04	
T401	Sign	1	No	0.04	NADE_C2_003 4
T401	Sign	1	No	0.05	NADE_C2_003 5

T401	Sign	1	No	0.06	NADE_C2_003 6
T401	Bench	1	No	0.07	
T401	Sign	1	No	0.09	NADE_C2_003 7
T401	Bench	1	No	0.10	
T401	Sign	1	No	0.10	NADE_C2_003 8
T401	Sign	2	Yes	0.12	NADE_C2_003 9
T401	Sign	5	Yes	0.14	NADE_C2_004 1
T401	Lookout/Ob Deck	1	No	0.14	
T402	Trailhead	1	No	0.00	NADE_C2_004 7
T402	Sign	1	No	0.00	NADE_C2_004 8
T402	Sign	1	No	0.11	NADE_C2_004 9
T500	Begin Section	1	No	0.00	
T500	Trailhead	1	No	0.00	NADE_C2_005 1
T500	Sign	1	No	0.00	NADE_C2_005 0
T500	Lookout/Ob Deck	1	No	0.02	
T500	Sign	2	Yes	0.02	NADE_C2_005 6
T500	Lookout/Ob Deck	1	No	0.03	
T500	Sign	6	Yes	0.03	NADE_C2_006 0
T500	Bench	1	No	0.03	
T501	Trailhead	1	No	0.00	NADE_C2_006 5
T501	Sign	1	No	0.01	NADE_C2_006 6

sf - square feet

lf - linear feet

cf - cubic feet

National Key Deer NWR Trail Location Map



Station Boundary



HQ/VC

0 2.5 5 Miles

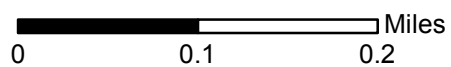
National Key Deer NWR Trail Location Map



Station Boundary



HQ/VC



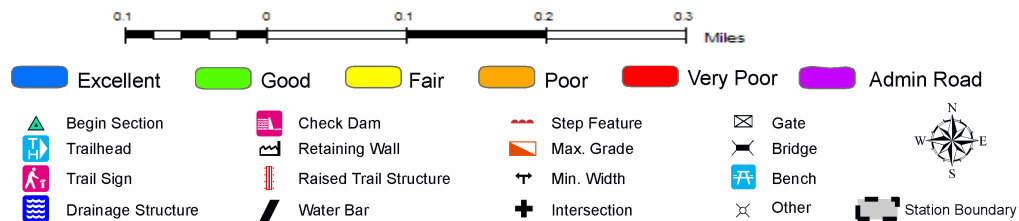
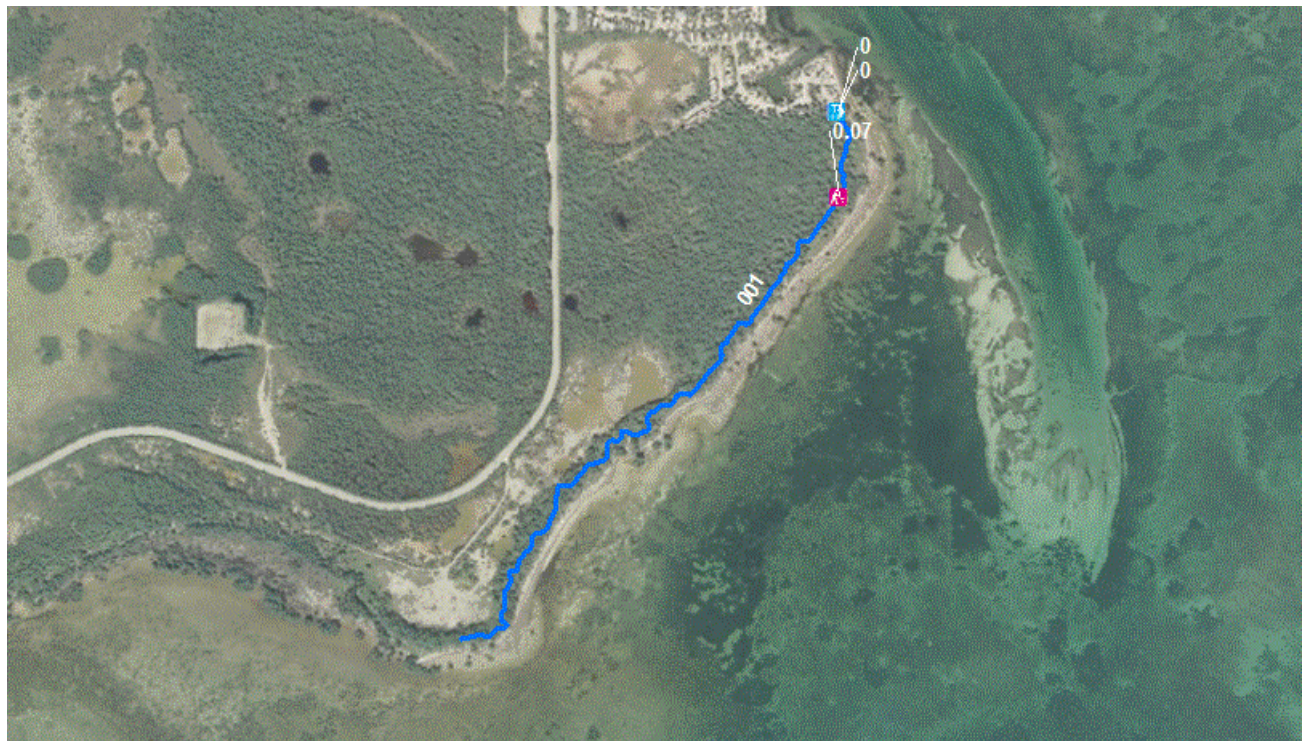
Trails ID

Station Name: National Key Deer Refuge

Org Code: 41580

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Longbeach Trail	Native	N/A	0.61	From Intersection of Hwy 1 and Longbeach Dr to End of Trail
T300	Cutthroat Trail	Native	N/A	0.79	From End of Cutthroat Dr 0.3 miles North of Hwy 1 to End of Trail
T400	Watson Trail	Gravel	10014783	0.70	From Watson Trail Parking Area (Rte 908) to end of loop
T401	Manillo Trail	Gravel	N/A	0.14	From Watson Trail Parking Area (Rte 908) to Observation Deck
T402	Blue Hole Gravel Trail	Gravel	10014804	0.11	From Blue Hole Parking (Rte 909) to End of Trail at sign
T500	Blue Hole Paved Trail	Concrete	10014804	0.05	From Blue Hole Handicapped Parking (Rte 910) to End of Trail
T501	Upper Sugar Loaf Trail	Admin Road	N/A	1.67	From Upper Sugarloaf Parking (Rte 902) to End of Trail

TRAIL CONDITION



Trail Name: Longbeach Trail
Trail Number: T200

Refuge Name: National Key Deer Refuge
Region: 4

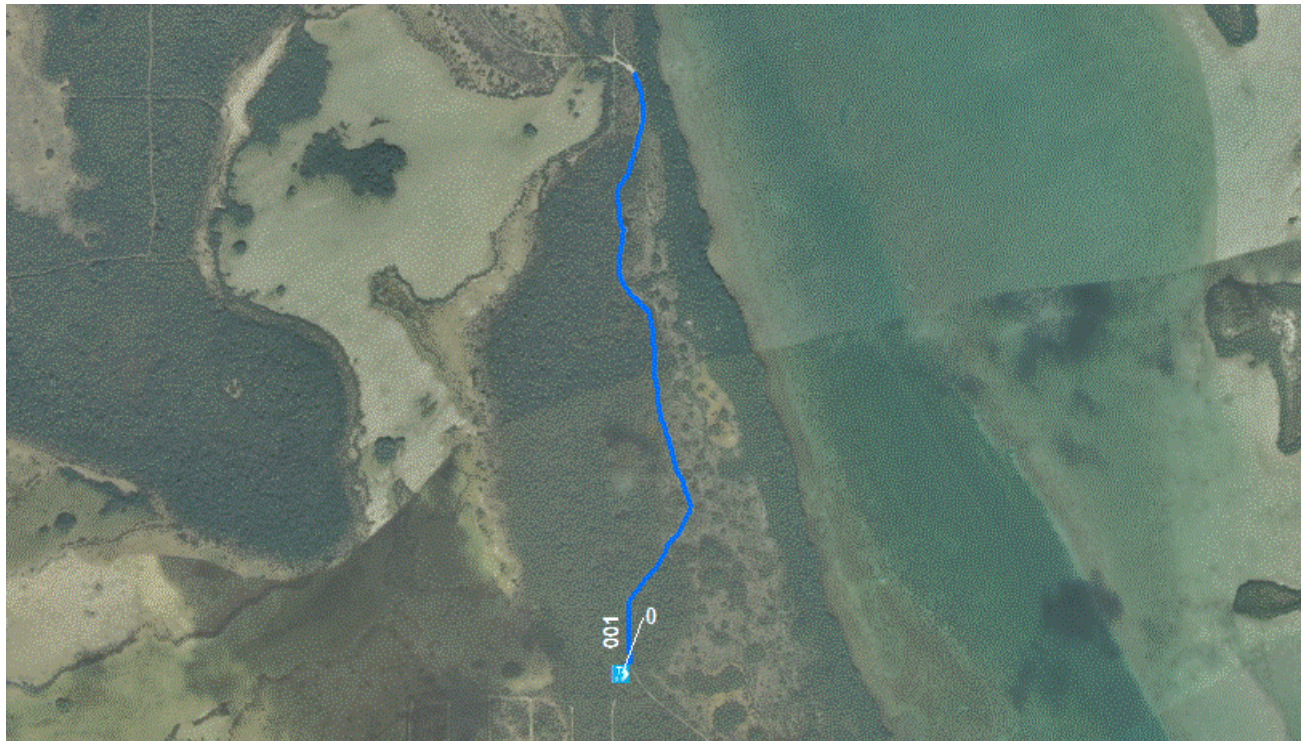
Total Length: 0.61 Miles

Section Number	001
Section Length (miles)	0.61
SAMMS Number	N/A
Rating Date	06/26/2006
Trail Section Information	
Trail Class	TC2
Surface Type	Native
Surface Firmness	Soft
Width (inches)	36
Average Grade (%)	3.3
Average X-slope (%)	2.40
Trail Condition Information	
Deferred Maintenance	
CRV	\$40,175
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$40,175	0.00	Excellent

TRAIL CONDITION



Trail Name: Cutthroat Trail
Trail Number: T300

Refuge Name: National Key Deer Refuge
Region: 4

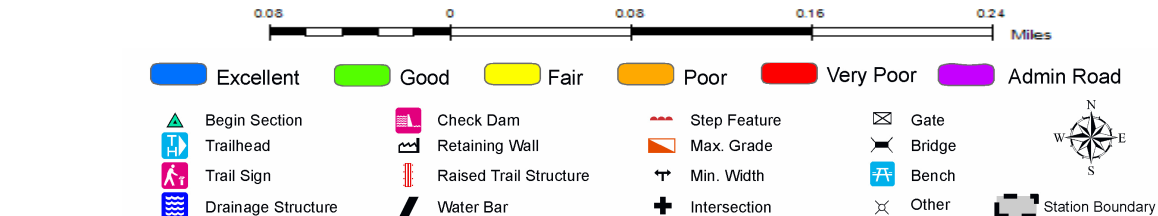
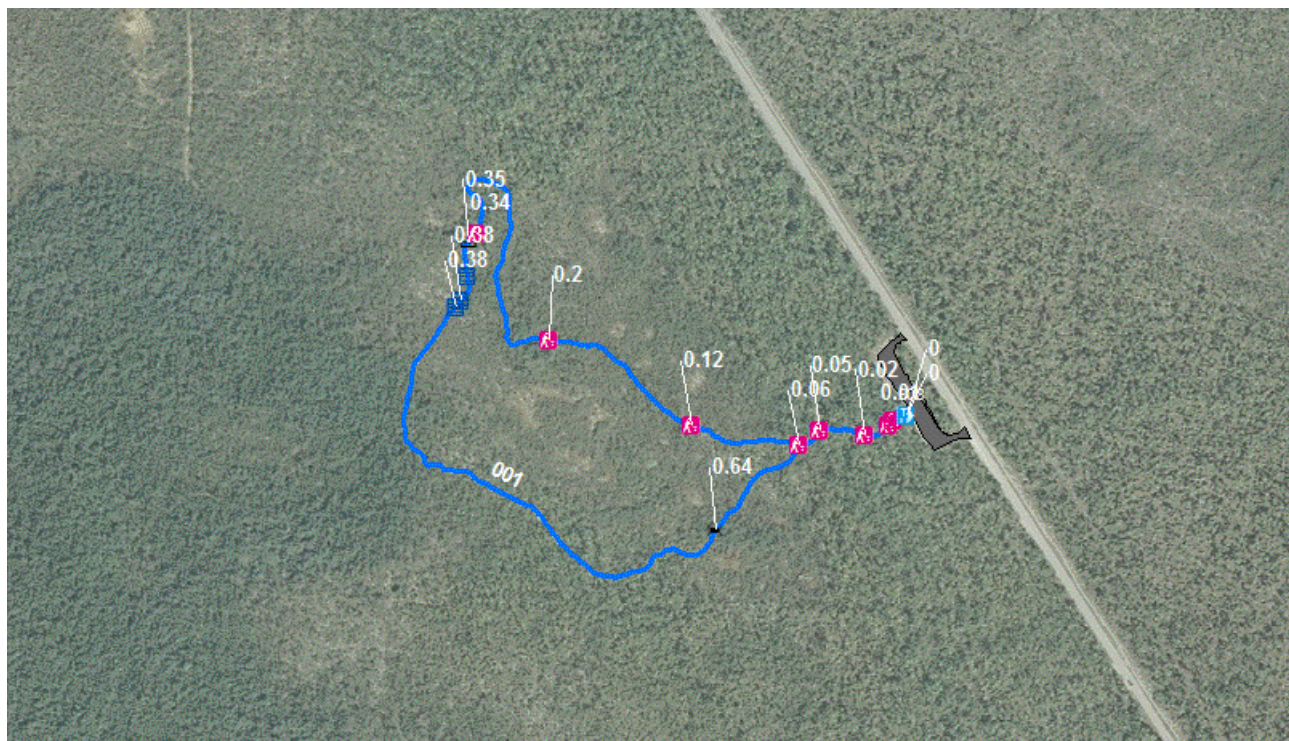
Total Length: 0.79 Miles

Section Number	001
Section Length (miles)	0.79
SAMMS Number	N/A
Rating Date	06/26/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Native
Surface Firmness	Firm
Width (inches)	60
Average Grade (%)	0.7
Average X-slope (%)	0.70
Trail Condition Information	
Deferred Maintenance	
CRV	\$86,719
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$86,719	0.00	Excellent

TRAIL CONDITION



Trail Name: Watson Trail

Refuge Name: National Key Deer Refuge

Trail Number: T400

Region: 4

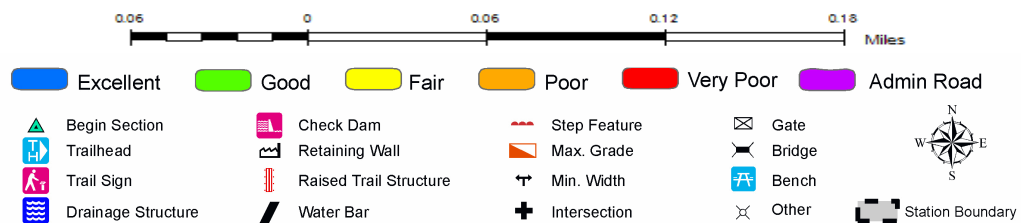
Total Length: 0.70 Miles

Section Number	001
Section Length (miles)	0.70
SAMMS Number	10014783
Rating Date	06/25/2006
Trail Section Information	
Trail Class	TC4
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	60
Average Grade (%)	1.7
Average X-slope (%)	1.10
Trail Condition Information	
Deferred Maintenance	
CRV	\$83,825
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$83,825	0.00	Excellent

TRAIL CONDITION



Trail Name: Manillo Trail
Trail Number: T401

Refuge Name: National Key Deer Refuge
Region: 4

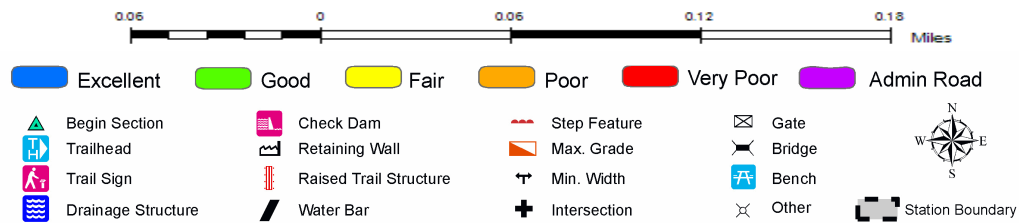
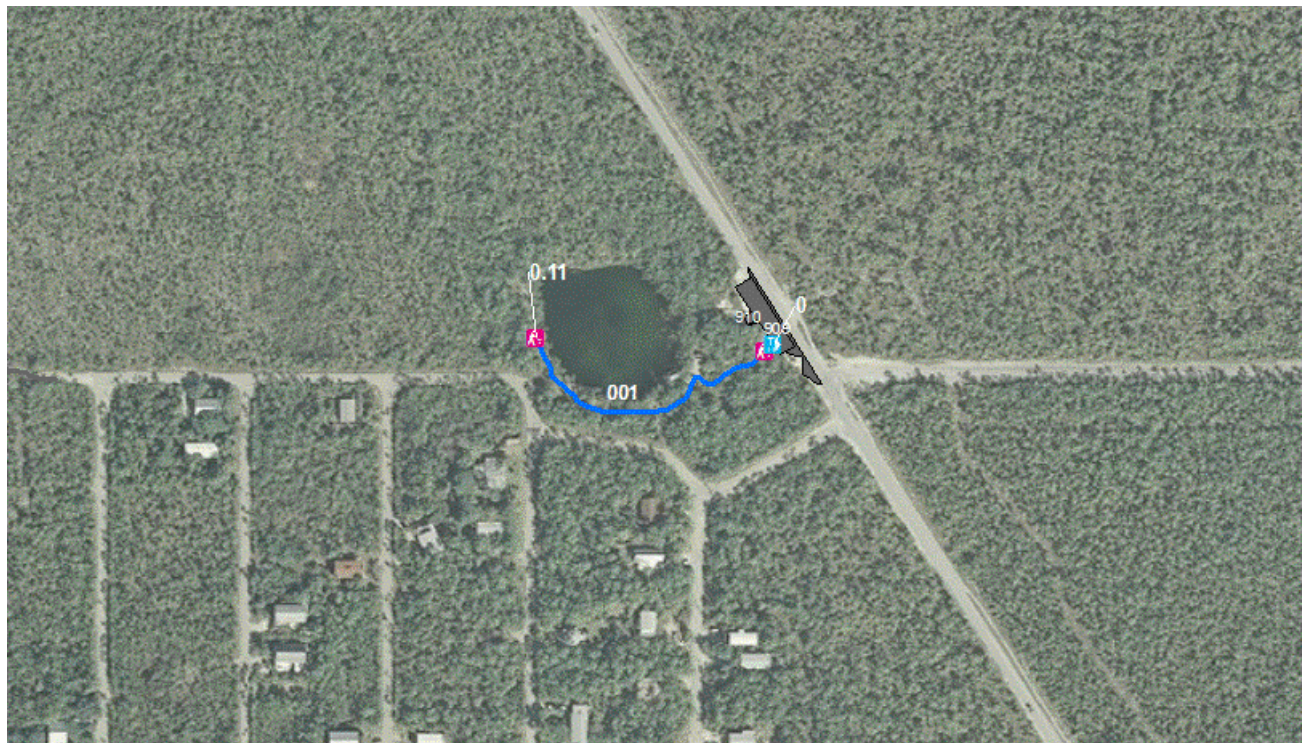
Total Length: 0.14 Miles

Section Number	001
Section Length (miles)	0.14
SAMMS Number	N/A
Rating Date	06/25/2006
Trail Section Information	
Trail Class	TC4
Surface Type	Gravel
Surface Firmness	Hard
Width (inches)	60
Average Grade (%)	0.7
Average X-slope (%)	1.20
Trail Condition Information	
Deferred Maintenance	
CRV	\$16,765
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$16,765	0.00	Excellent

TRAIL CONDITION



Trail Name: Blue Hole Gravel Trail
Trail Number: T402

Refuge Name: National Key Deer Refuge
Region: 4

Total Length: 0.11 Miles

Section Number	001
Section Length (miles)	0.11
SAMMS Number	10014804
Rating Date	06/25/2006
Trail Section Information	
Trail Class	TC4
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	48
Average Grade (%)	1.3
Average X-slope (%)	1.40
Trail Condition Information	
Deferred Maintenance	
CRV	\$10,537
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$10,537	0.00	Excellent

TRAIL CONDITION



Trail Name: Blue Hole Paved Trail
Trail Number: T500

Refuge Name: National Key Deer Refuge
Region: 4

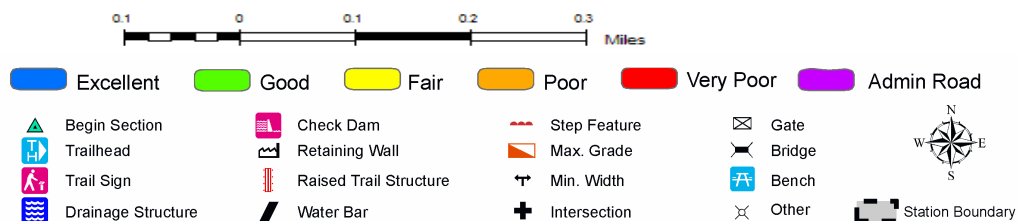
Total Length: 0.05 Miles

Section Number	001	002
Section Length (miles)	0.03	0.02
SAMMS Number	10014804	10014804
Rating Date	06/25/2006	06/25/2006
Trail Section Information		
Trail Class	TC5	TC5
Surface Type	Concrete	Concrete
Surface Firmness	Paved	Paved
Width (inches)	48	48
Average Grade (%)	0.9	0.9
Average X-slope (%)	0.70	0.70
Trail Condition Information		
Deferred Maintenance		
CRV	\$4,127	\$2,747
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$6,875	0.00	Excellent

TRAIL CONDITION



Trail Name: Upper Sugar Loaf Trail
Trail Number: T501

Refuge Name: National Key Deer Refuge
Region: 4

Total Length: 1.67 Miles

Section Number	001
Section Length (miles)	1.67
SAMMS Number	N/A
Rating Date	06/26/2006
Trail Section Information	
Trail Class	TC5
Surface Type	Admin Road
Surface Firmness	Paved
Width (inches)	264
Average Grade (%)	0.6
Average X-slope (%)	0.90
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200

STATION: National Key Deer Refuge

DATE: 06/26/2006



Photo # NADE_C2_0061 - MP 0.00 - Trailhead

TRAIL NUMBER: T200

STATION: National Key Deer Refuge

DATE: 06/26/2006



Photo # NADE_C2_0062 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200

STATION: National Key Deer Refuge

DATE: 06/26/2006

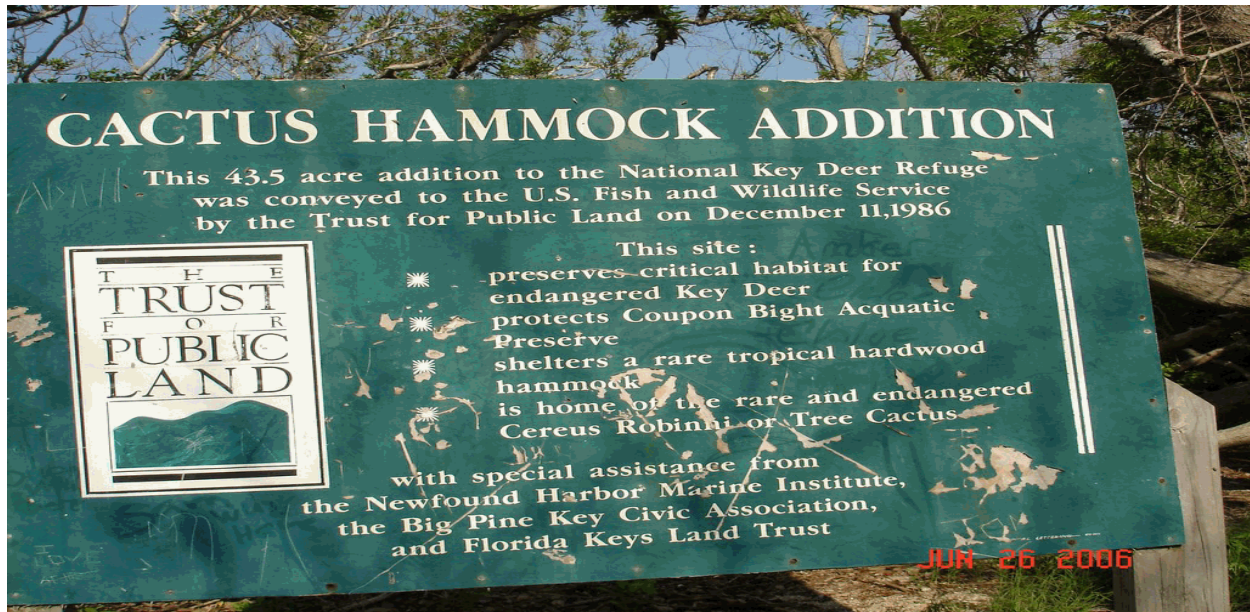


Photo # NADE_C2_0063 - MP 0.07 - Sign

TRAIL NUMBER: T300

STATION: National Key Deer Refuge

DATE: 06/26/2006



Photo # NADE_C2_0064 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0002 - MP 0.00 - Trailhead

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006

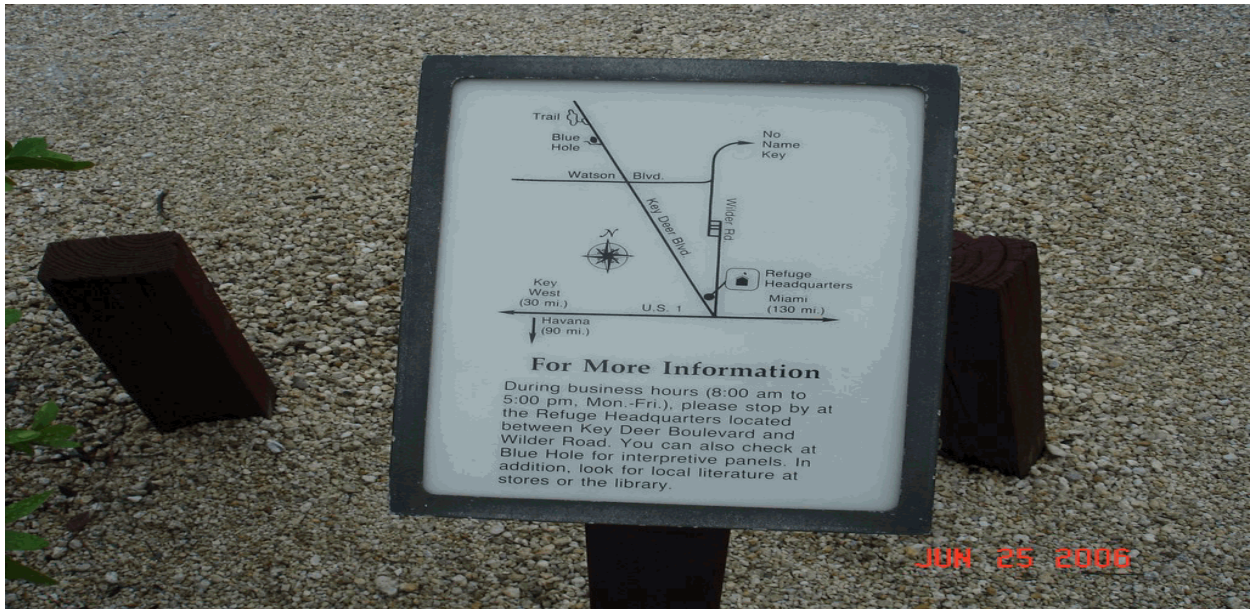


Photo # NADE_C2_0001 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0003 - MP 0.01 - Sign

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0004 - MP 0.01 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0005 - MP 0.02 - Sign

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0006 - MP 0.05 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0007 - MP 0.06 - Sign

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0010 - MP 0.12 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0012 - MP 0.20 - Sign

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0017 - MP 0.34 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0027 - MP 0.64 - Bridge -sf

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0032 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0029 - MP 0.00 - Sign

TRAIL NUMBER: T401

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0033 - MP 0.02 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0034 - MP 0.04 - Sign

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0035 - MP 0.05 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0036 - MP 0.06 - Sign

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0037 - MP 0.09 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0038 - MP 0.10 - Sign

TRAIL NUMBER: T401

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0039 - MP 0.12 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0041 - MP 0.14 - Sign

TRAIL NUMBER: T402
STATION: National Key Deer Refuge
DATE: 06/25/2006



Photo # NADE_C2_0047 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T402

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0048 - MP 0.00 - Sign

TRAIL NUMBER: T402

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0049 - MP 0.11 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0051 - MP 0.00 - Trailhead

TRAIL NUMBER: T500

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0050 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0056 - MP 0.02 - Sign

TRAIL NUMBER: T500

STATION: National Key Deer Refuge

DATE: 06/25/2006



Photo # NADE_C2_0060 - MP 0.03 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501

STATION: National Key Deer Refuge

DATE: 06/26/2006



Photo # NADE_C2_0065 - MP 0.00 - Trailhead

TRAIL NUMBER: T501

STATION: National Key Deer Refuge

DATE: 06/26/2006

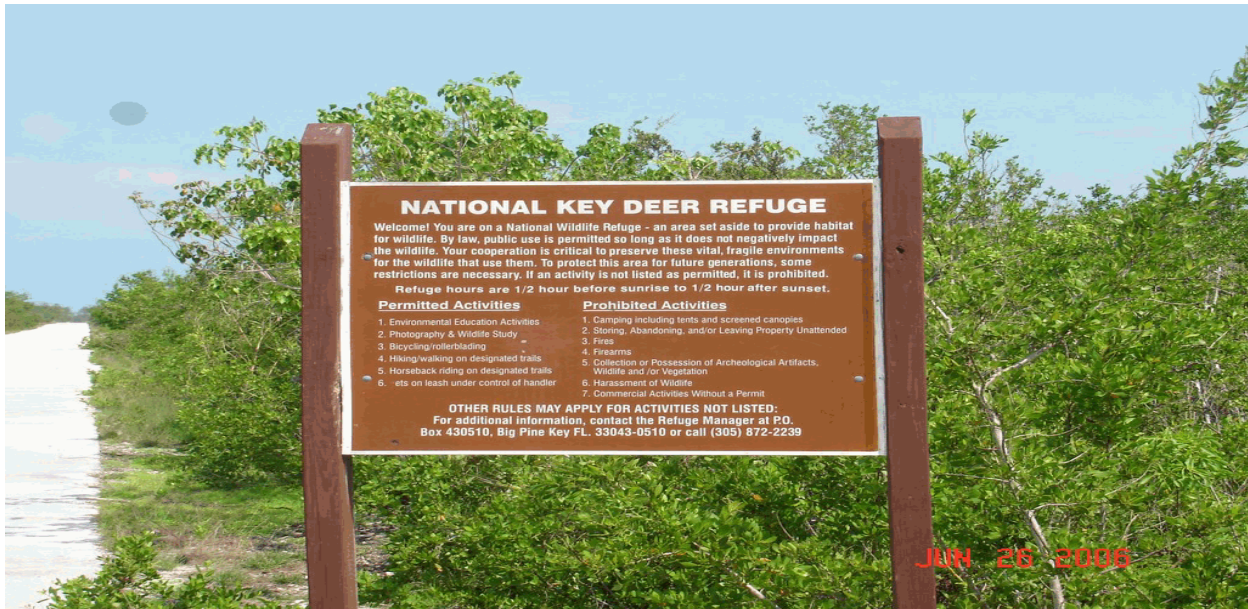


Photo # NADE_C2_0066 - MP 0.01 - Sign

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.