

The Trail Inventory of Berkshire NFH Monterey, MA



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Federal Highway Administration
Central Federal Lands Highway Division
July, 2013



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NOTE TO USERS OR READERS

In this report, the reader may find a mix of dates associated with the condition assessment and photographs. Chapter 4 shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the cycle 3 assessment was done to in

2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

In Chapter 6 the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because the existing photographs from Cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the Cycle 3 site visit.

The reader may also notice some of the feature photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

Berkshire NFH

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Total
	Miles	%	Miles
Native	1.69	100%	1.69
Total	1.69	100%	1.69

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Total
	Miles	%	Miles
TC1	0.48	100%	0.48
TC2	1.21	100%	1.21
Total	1.69	100%	1.69

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

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T100	Intersection	1	No	0.00	
T100	Trailhead	1	No	0.00	BERK_C3_0100
T100	Sign	1	No	0.00	BERK_C3_0099
T200	Trailhead	1	No	0.00	BERK_C3_0001
T200	Sign	2	No	0.01	BERK_C3_0002
T200	Sign	3	No	0.01	BERK_C3_0003
T200	Sign	1	No	0.02	BERK_C3_0075
T200	Sign	2	No	0.04	BERK_C3_0004
T200	Intersection	1	No	0.05	
T200	Sign	1	No	0.05	BERK_C3_0076
T200	Sign	1	No	0.07	BERK_C3_0077
T200	Sign	1	No	0.08	BERK_C3_0078
T200	Sign	1	No	0.09	BERK_C3_0081
T200	Sign	1	No	0.09	BERK_C3_0079
T200	Sign	1	No	0.09	BERK_C3_0080
T200	Bridge -sf	45	No	0.09	BERK_C3_0006
T200	Sign	1	No	0.10	BERK_C3_0083
T200	Sign	1	No	0.10	BERK_C3_0082
T200	Intersection	1	No	0.10	
T200	Sign	1	No	0.12	BERK_C3_0084
T200	Sign	1	No	0.14	BERK_C3_0085
T200	Sign	1	No	0.24	BERK_C3_0086
T200	Sign	1	No	0.27	BERK_C3_0008
T200	Sign	1	No	0.41	BERK_C3_0012
T200	Begin Section	1	No	0.41	

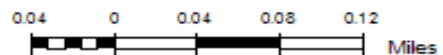
T201	Trailhead	1	No	0.00	BERK_C3_010 2
T201	Sign	1	No	0.00	BERK_C3_010 1
T202	Trailhead	1	No	0.00	
T202	Intersection	1	No	0.00	
T202	Intersection	1	No	0.02	
T202	Sign	1	No	0.04	BERK_C3_008 7
T202	Sign	1	No	0.08	BERK_C3_008 8
T202	Sign	1	No	0.10	BERK_C3_008 9
T202	Sign	1	No	0.13	BERK_C3_009 0
T202	Sign	1	No	0.19	BERK_C3_009 1
T202	Sign	1	No	0.21	BERK_C3_009 2
T202	Sign	1	No	0.24	BERK_C3_009 3
T202	Sign	1	No	0.26	BERK_C3_009 4
T202	Sign	1	No	0.29	BERK_C3_009 5
T202	Sign	1	No	0.34	BERK_C3_009 6
T202	Sign	1	No	0.37	BERK_C3_009 7
T202	Sign	1	No	0.38	BERK_C3_000 9
T202	Sign	1	No	0.39	BERK_C3_009 8
T203	Intersection	1	No	0.00	
T203	Trailhead	1	No	0.00	BERK_C3_010 4
T203	Intersection	1	No	0.03	
T203	Begin Section	1	No	0.06	BERK_C3_010 5

sf - square feet

lf - linear feet

cf - cubic feet

Berkshire NFH Trail Location Map



Trails ID

Station Name: Berkshire NFH

Org Code: 53220

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T100	Red Trail	Native	N/A	0.48	From Trailhead at T202 Sec 001 to T202 Sec 001
T200	Nature Trail	Native	N/A	0.44	From Hatchery Parking (Rte 900) to End of Loop
T201	Kettle Loop	Native	N/A	0.22	From Nature Trail (T200) to End of Loop at Nature Trail (T200)
T202	Upper Trail	Native	N/A	0.40	From Nature Trail (T200) to Refuge Residence
T203	Shelby's Trail	Native	N/A	0.15	From T200 Sec 001 to Refuge Boundry

CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

Berkshire NFH

Trails added to previous inventory:

Trail #	Trail Name	Reason for Addition
T100	Red Trail	new trail
T203	Shelby's Trail	new trail

Trails removed from previous inventory:

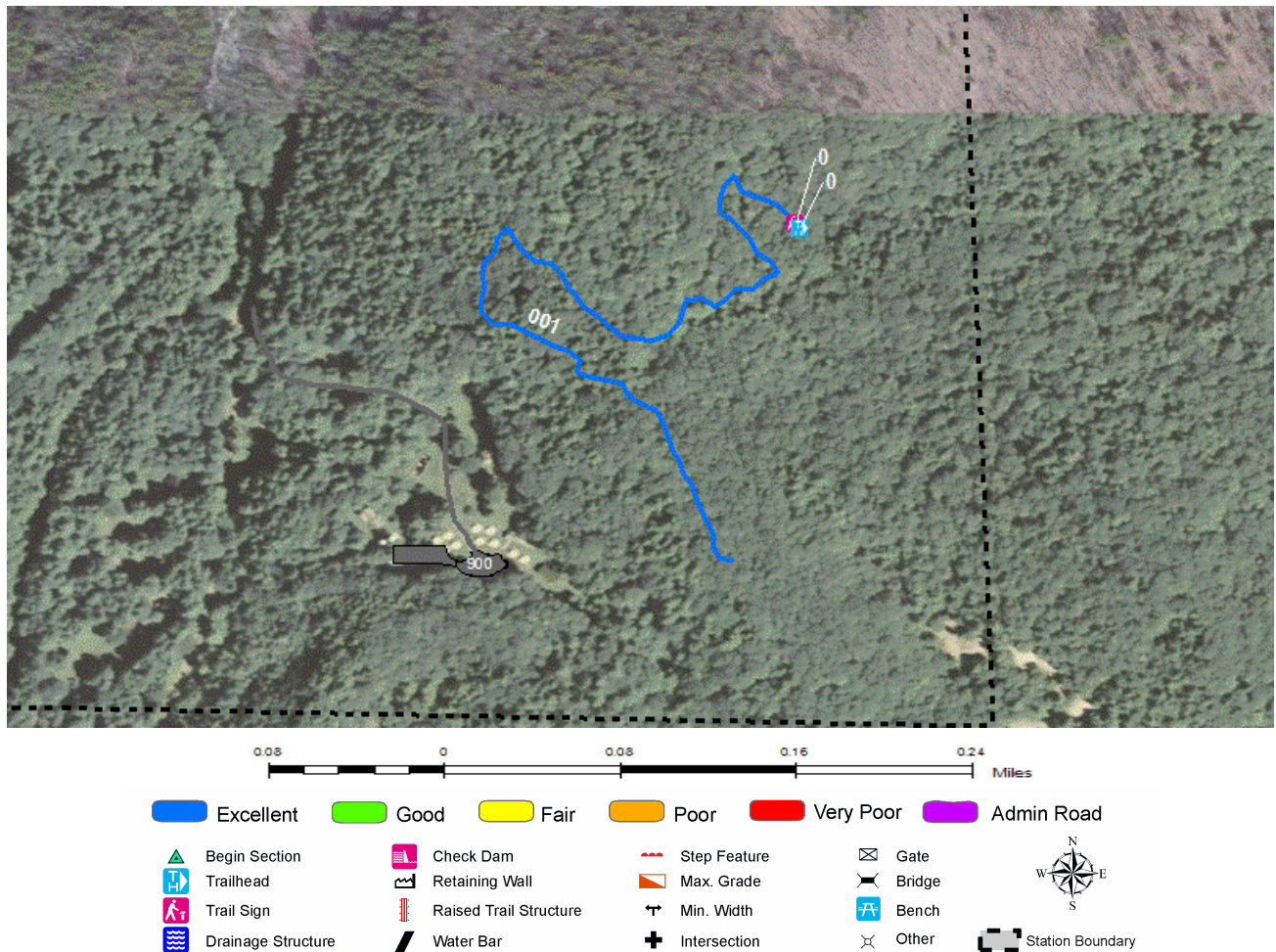
Trail #	Trail Name	Reason for Removal
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Trails modified from previous inventory:

Trail #	Trail Name	Type of Modification	Description of Modification
T201	Kettle Loop	trail length changed	from .21 to .22
T200	Nature Trail	surface change	from Mowed to Native

Comments:

TRAIL CONDITION



Trail Name: Red Trail
Trail Number: T100

Refuge Name: Berkshire NFH
Region: 5

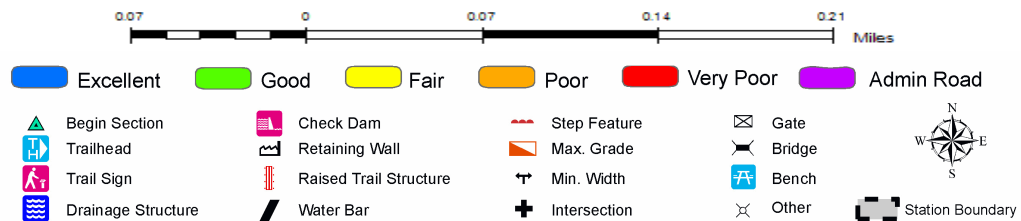
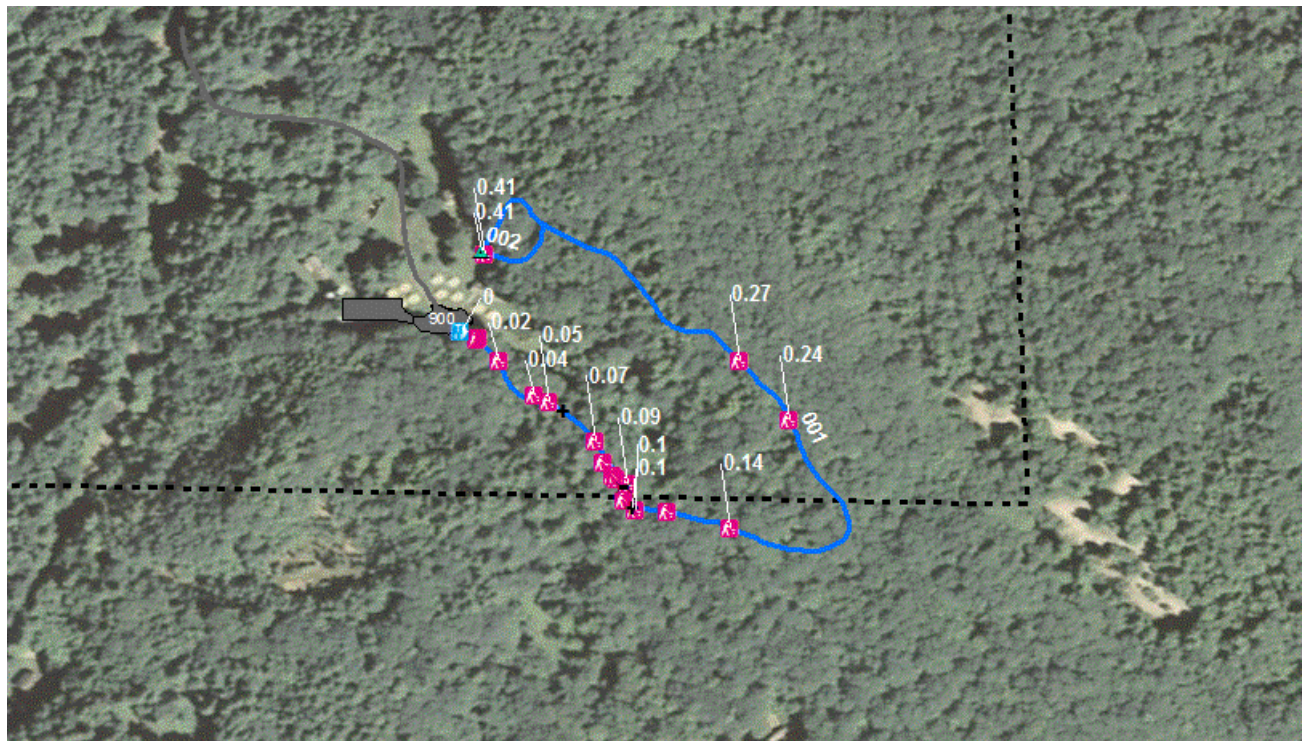
Total Length: 0.48 Miles

Section Number	001
Section Length (miles)	0.48
SAMMS Number	N/A
Rating Date	06/22/2012
Trail Section Information	
Trail Class	TC1
Surface Type	Native
Surface Firmness	Hard
Width (inches)	31
Average Grade (%)	8.9
Average X-slope (%)	3.10
Trail Condition Information	
Deferred Maintenance	
CRV	\$30,852
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$30,852	0.00	Excellent

TRAIL CONDITION



Trail Name: Nature Trail
Trail Number: T200

Refuge Name: Berkshire NFH
Region: 5

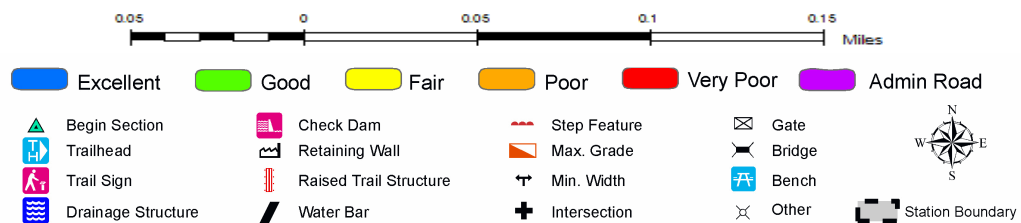
Total Length: 0.44 Miles

Section Number	001	002
Section Length (miles)	0.41	0.03
SAMMS Number	N/A	N/A
Rating Date	08/01/2006	08/01/2006
Trail Section Information		
Trail Class	TC2	TC2
Surface Type	Native	Native
Surface Firmness	Firm	Firm
Width (inches)	30	30
Average Grade (%)	11.9	11.9
Average X-slope (%)	2.10	2.10
Trail Condition Information		
Deferred Maintenance		
CRV	\$25,504	\$1,866
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$27,370	0.00	Excellent

TRAIL CONDITION



Trail Name: Kettle Loop
Trail Number: T201

Refuge Name: Berkshire NFH
Region: 5

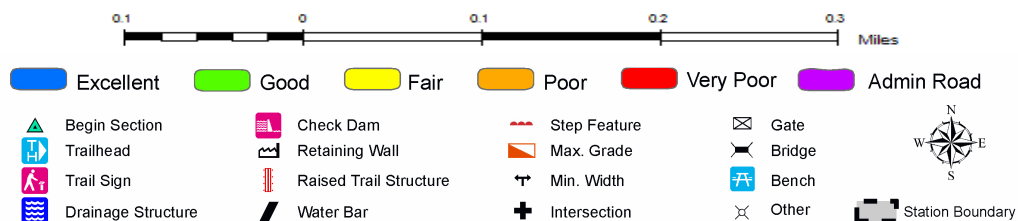
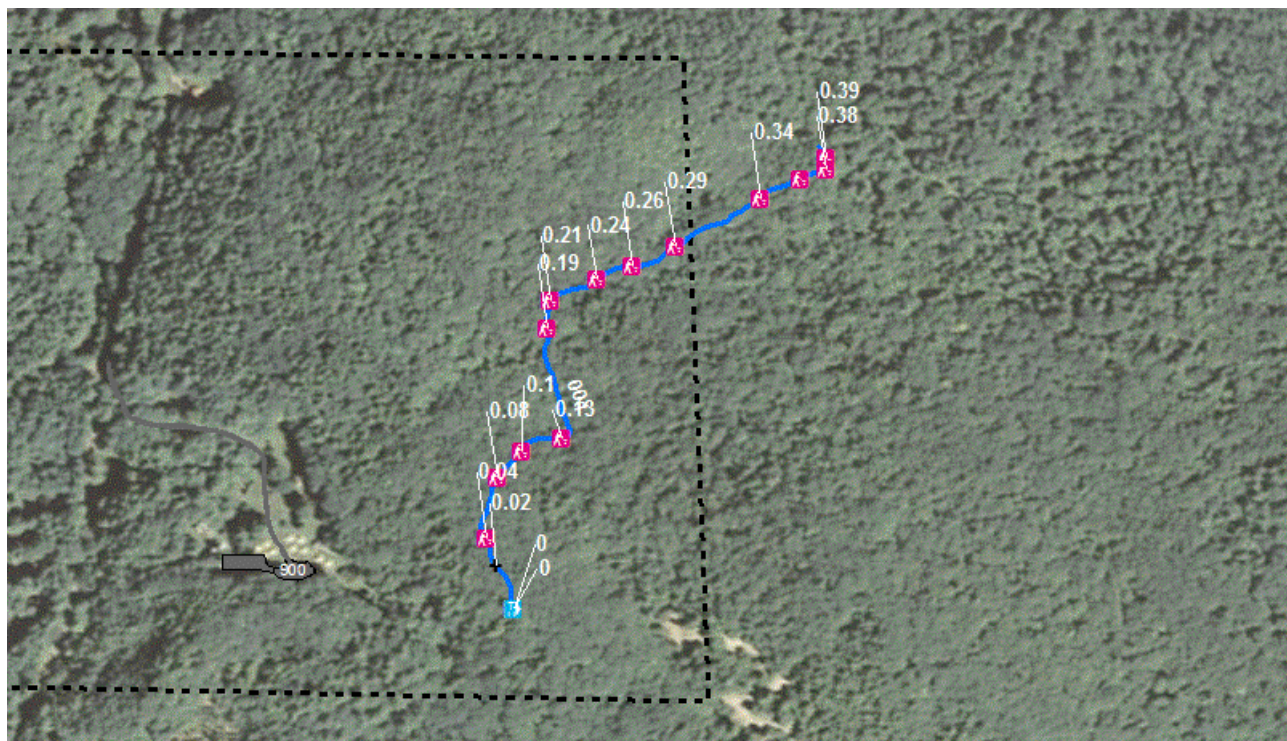
Total Length: 0.22 Miles

Section Number	001
Section Length (miles)	0.22
SAMMS Number	N/A
Rating Date	08/01/2006
Trail Section Information	
Trail Class	TC2
Surface Type	Native
Surface Firmness	Firm
Width (inches)	30
Average Grade (%)	4.8
Average X-slope (%)	1.50
Trail Condition Information	
Deferred Maintenance	
CRV	\$13,685
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$13,685	0.00	Excellent

TRAIL CONDITION



Trail Name: Upper Trail
Trail Number: T202

Refuge Name: Berkshire NFH
Region: 5

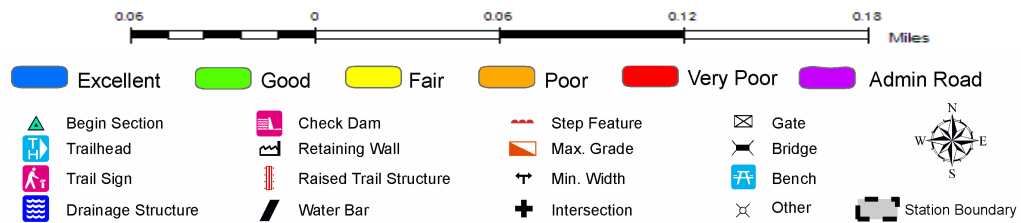
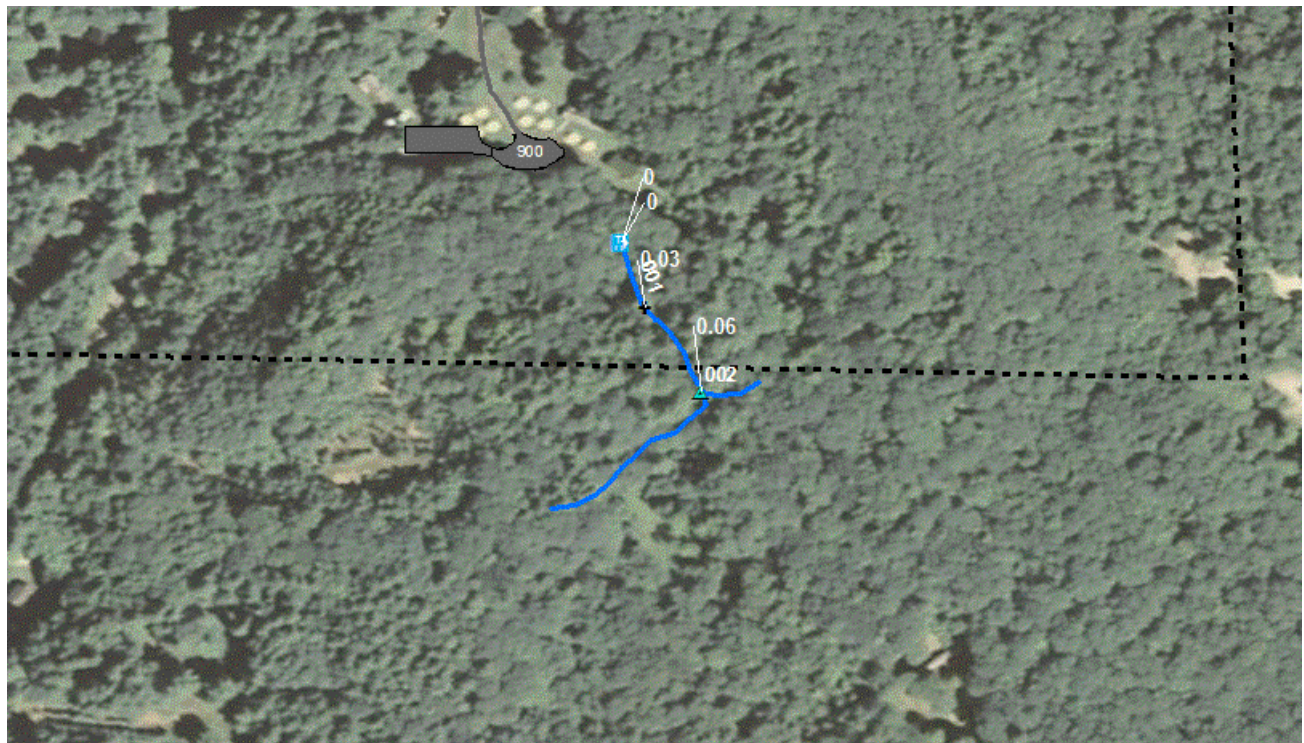
Total Length: 0.40 Miles

Section Number	001
Section Length (miles)	0.40
SAMMS Number	N/A
Rating Date	08/01/2006
Trail Section Information	
Trail Class	TC2
Surface Type	Native
Surface Firmness	Hard
Width (inches)	48
Average Grade (%)	20.1
Average X-slope (%)	1.70
Trail Condition Information	
Deferred Maintenance	
CRV	\$39,810
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$39,810	0.00	Excellent

TRAIL CONDITION



Trail Name: Shelby's Trail
Trail Number: T203

Refuge Name: Berkshire NFH
Region: 5

Total Length: 0.15 Miles

Section Number	001	002
Section Length (miles)	0.13	0.02
SAMMS Number	N/A	N/A
Rating Date	06/22/2012	06/22/2012
Trail Section Information		
Trail Class	TC2	TC2
Surface Type	Native	Native
Surface Firmness	Hard	Hard
Width (inches)	46	46
Average Grade (%)	10.0	10.0
Average X-slope (%)	4.50	4.50
Trail Condition Information		
Deferred Maintenance		
CRV	\$12,398	\$1,909
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$14,307	0.00	Excellent

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TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T100
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0099 - MP 0.00 - Sign

TRAIL NUMBER: T100
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0100 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0001 - MP 0.00 - Trailhead

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0002 - MP 0.01 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0003 - MP 0.01 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0075 - MP 0.02 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0004 - MP 0.04 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0076 - MP 0.05 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0077 - MP 0.07 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0078 - MP 0.08 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0079 - MP 0.09 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0080 - MP 0.09 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0081 - MP 0.09 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0006 - MP 0.09 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0082 - MP 0.10 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0083 - MP 0.10 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012

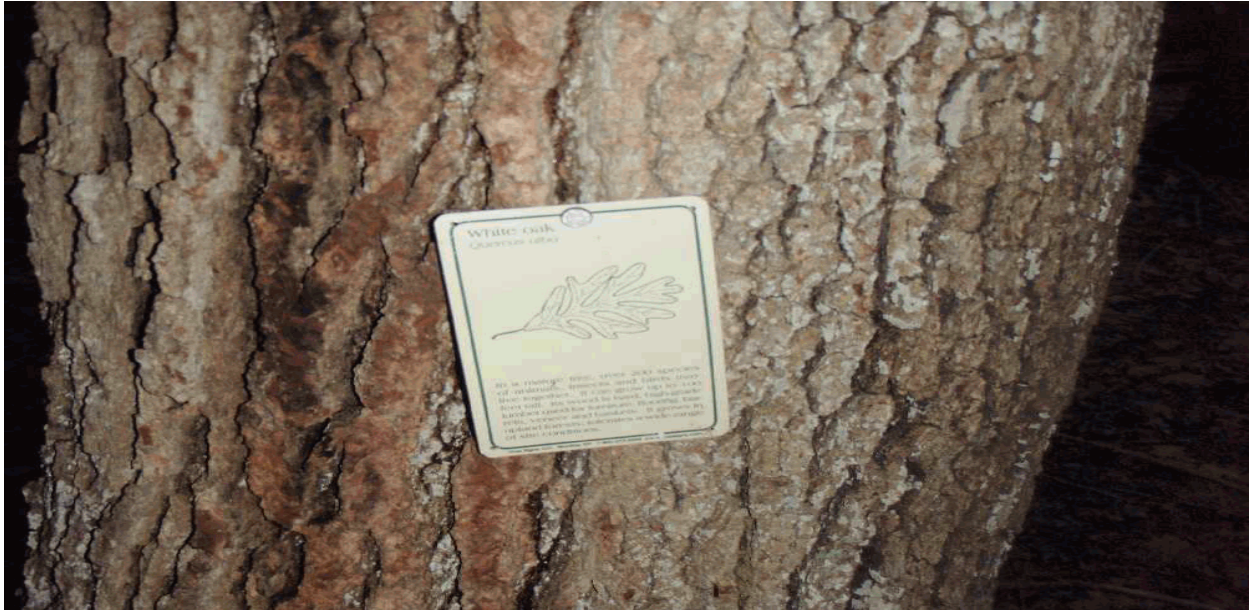


Photo # BERK_C3_0084 - MP 0.12 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0085 - MP 0.14 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0086 - MP 0.24 - Sign

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0008 - MP 0.27 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0012 - MP 0.41 - Sign

TRAIL NUMBER: T201
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0101 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T201
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0102 - MP 0.00 - Trailhead

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0087 - MP 0.04 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0088 - MP 0.08 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0089 - MP 0.10 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0090 - MP 0.13 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0091 - MP 0.19 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0092 - MP 0.21 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0093 - MP 0.24 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012

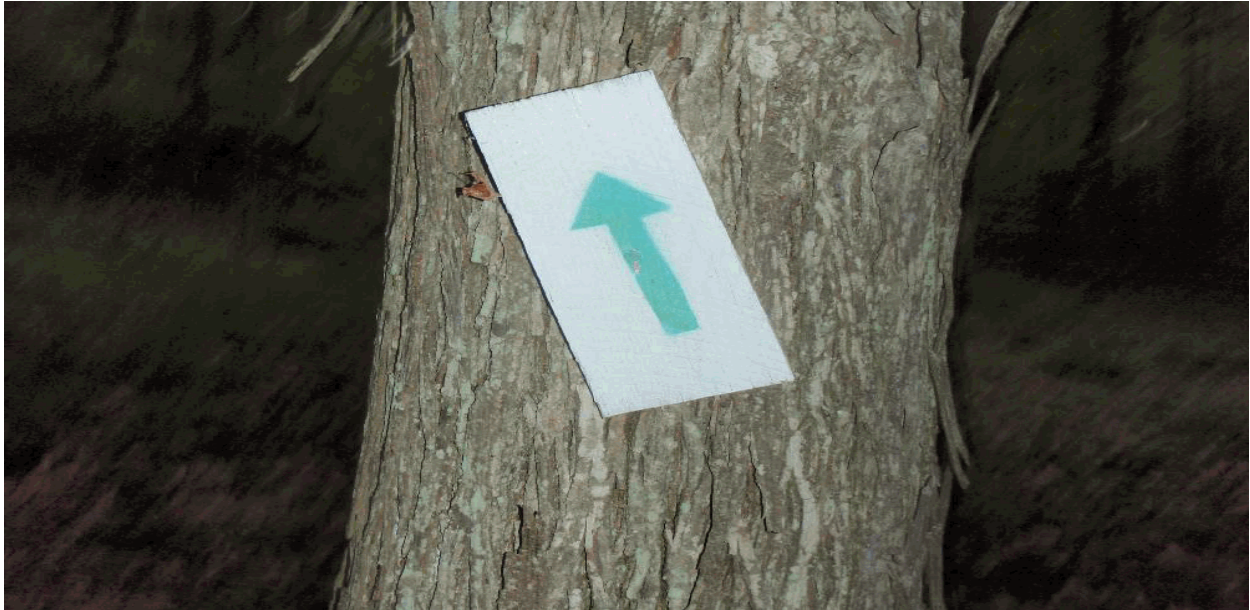


Photo # BERK_C3_0094 - MP 0.26 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0095 - MP 0.29 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0096 - MP 0.34 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0097 - MP 0.37 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 08/01/2006



Photo # BERK_C3_0009 - MP 0.38 - Sign

TRAIL NUMBER: T202
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0098 - MP 0.39 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T203
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0104 - MP 0.00 - Trailhead

TRAIL NUMBER: T203
STATION: Berkshire NFH
DATE: 06/22/2012



Photo # BERK_C3_0105 - MP 0.06 - Begin Section

PHOTOGRAPHIC SHEET

A NOTE TO USERS OR READERS

In this chapter the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because existing photographs from cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the cycle 3 site visit.

The reader may also notice some photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

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.