

The Trail Inventory of Ankeny NWR Jefferson, OR



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Federal Highway Administration
Central Federal Lands Highway Division
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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.

Ankeny NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Others		Total
	Miles	%	Miles	%	Miles
Gravel	0.28	100%	0.00	0%	0.28
Boardwalk	0.51	100%	0.00	0%	0.51
Mowed	0.64	100%	0.00	0%	0.64
Admin Road	0.00	0%	3.50	100%	3.50
Total	1.43	29%	3.50	71%	4.93

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Others		Total
	Miles	%	Miles	%	Miles
TC3	0.00	0%	1.00	100%	1.00
TC4	1.43	36%	2.50	64%	3.93
Total	1.43	29%	3.50	71%	4.93

*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	ANKE_C3_058 2
T300	Trailhead	1	No	0.00	ANKE_C3_058 3
T300	Max Grade- %	13	No	0.08	
T300	Max Grade- %	29	No	0.66	
T301	Trailhead	1	No	0.00	ANKE_C3_058 7
T301	Bridge -sf	64	No	0.11	ANKE_C3_058 8
T301	Bridge -sf	48	No	0.23	ANKE_C3_058 9
T301	Intersection	1	No	0.84	ANKE_C3_059 0
T400	Sign	1	No	0.00	ANKE_C3_057 9
T400	Sign	1	No	0.00	ANKE_C3_057 8
T400	Trailhead	1	No	0.00	ANKE_C3_058 0
T400	Begin Section	1	No	0.22	ANKE_C3_058 1
T400	Intersection	1	No	0.22	ANKE_C3_058 4
T400	Bench	1	No	0.34	
T400	Max Grade- %	8	No	0.40	
T400	Sign	1	No	0.42	ANKE_C3_059 1
T400	Lookout/Ob Deck	1	No	0.46	
T400	Intersection	1	No	0.60	ANKE_C3_058 5
T400	Begin Section	1	No	0.60	ANKE_C3_058 6
T400	Max Grade- %	6	No	1.04	
T401	Trailhead	1	No	0.00	ANKE_C3_059 4
T401	Sign	1	No	0.00	ANKE_C3_059 2
T401	Sign	1	No	0.00	ANKE_C3_059 3
T401	Sign	1	No	0.04	ANKE_C3_059 5
T401	Sign	1	No	0.11	ANKE_C3_059 6
T401	Max Grade- %	3	No	0.11	

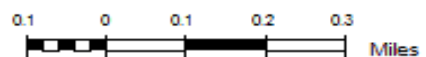
T401	Sign	1	No	0.13	ANKE_C3_059 7
T401	Lookout/Ob Deck	1	No	0.13	
T402	Bench	1	No	0.00	
T402	Trailhead	1	No	0.00	ANKE_C3_060 1
T402	Sign	2	No	0.00	ANKE_C3_059 9
T402	Sign	1	No	0.00	ANKE_C3_059 8
T402	Sign	1	No	0.04	ANKE_C3_060 3
T402	Max Grade- %	12	No	0.04	
T402	Sign	1	No	0.04	ANKE_C3_060 2
T402	Lookout/Ob Deck	1	No	0.04	
T402	Sign	1	No	0.05	ANKE_C3_060 4
T402	Bench	1	No	0.05	
T403	Trailhead	1	No	0.00	ANKE_C3_060 5
T403	Gate	1	No	0.00	
T403	Sign	2	No	0.00	ANKE_C3_060 6
T403	Water Control Struc	1	No	0.86	

sf - square feet

lf - linear feet

cf - cubic feet

Ankeny NWR Trail Location Map



Trails ID

Station Name: Ankeny NWR

Org Code: 13588

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Dunlin Marsh Trail	Admin Road	10039518	0.66	From T400 Sec 001 to T400 Sec 001
T301	Bashaw Creek Loop Trail	Admin Road	10039518	0.34	From T400 Sec 002 to T400 Sec 003
T400	Rail Trail Loop Trail	Boardwalk	10004399	0.38	From Wintel Trailhead Parking (Rte 900) to Visitor Kiosk Access (Rte 100), MP 0.0
T400	Rail Trail Loop Trail	Gravel	10004399	0.22	From Wintel Trailhead Parking (Rte 900) to Visitor Kiosk Access (Rte 100), MP 0.0
T400	Rail Trail Loop Trail	Mowed	10004399	0.64	From Wintel Trailhead Parking (Rte 900) to Visitor Kiosk Access (Rte 100), MP 0.0
T401	Pintail/Egret Marsh Trail	Boardwalk	10039128	0.13	From Pintail Boardwalk Parking (Rte 914) to observation blind
T402	Ankeny Hill Overlook Trail	Gravel	10039507	0.06	From Restroom Parking (Rte 902) to observation deck
T403	Sidney Irrigation Ditch Trail	Admin Road	10004399	2.50	From Eagle Marsh Parking Lot (Buena Vista Rd) to End of Loop

CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

Ankeny NWR

Trails added to previous inventory:

Trail #	Trail Name	Reason for Addition
T300	Dunlin Marsh Trail	new trail
T301	Bashaw Creek Loop Trail	new trail
T403	Sidnery Irrigation Ditch Trail	new trail

Trails removed from previous inventory:

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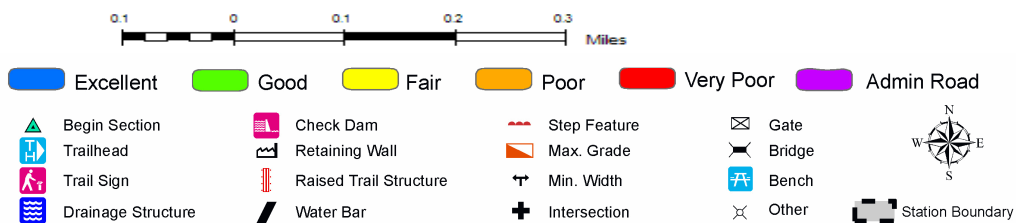
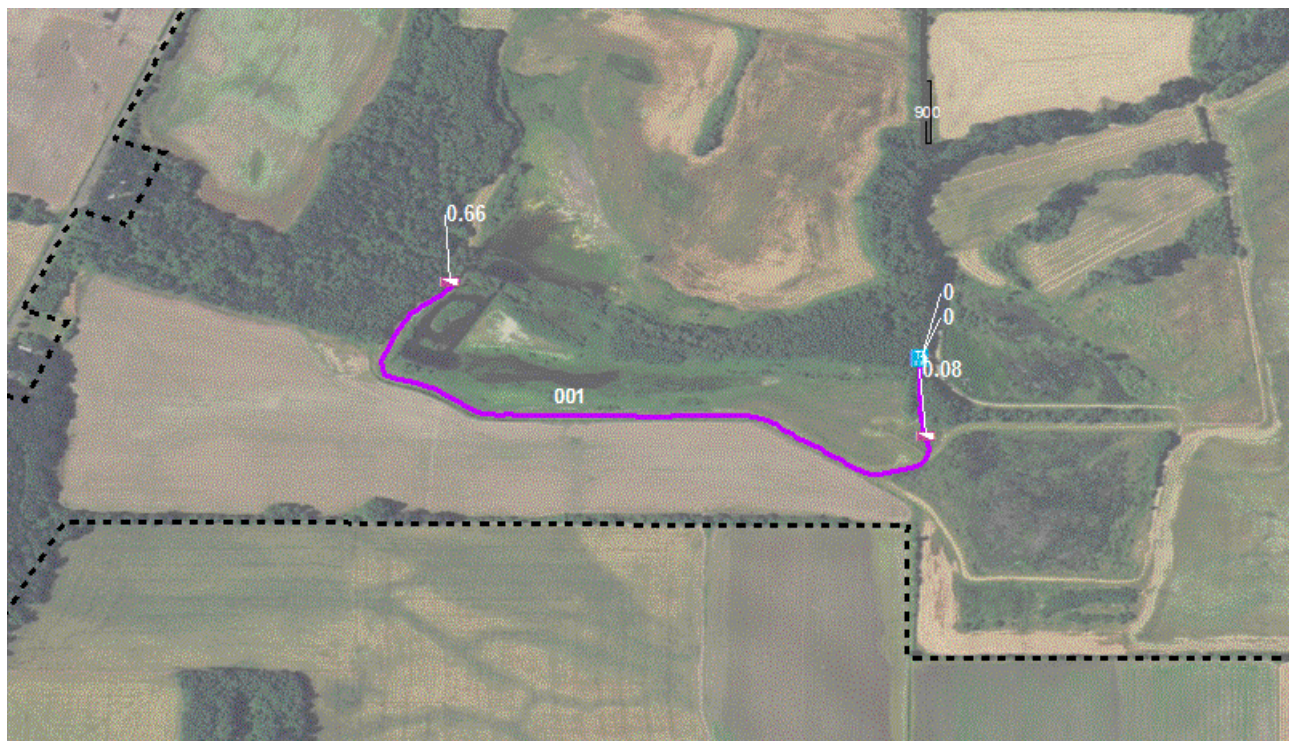
Trails modified from previous inventory:

Trail #	Trail Name	Type of Modification	Description of Modification
T400	Rail Trail Loop Trail	Name change	from Rail Trail Loop

Comments:

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TRAIL CONDITION



Trail Name: Dunlin Marsh Trail
Trail Number: T300

Refuge Name: Ankeny NWR
Region: 1

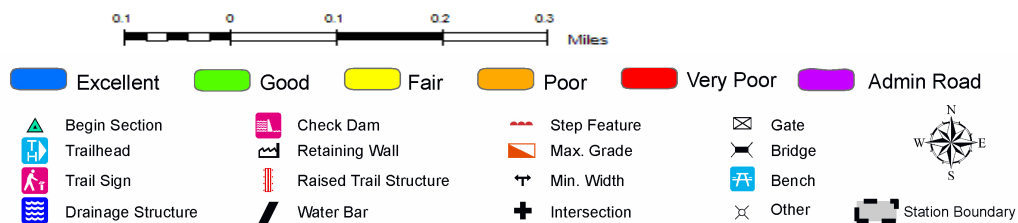
Total Length: 0.68 Miles

Section Number	001
Section Length (miles)	0.66
SAMMS Number	10039518
Rating Date	08/16/2012
Trail Section Information	
Trail Class	TC3
Surface Type	Admin Road
Surface Firmness	Firm
Width (inches)	139
Average Grade (%)	1.6
Average X-slope (%)	4.80
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL CONDITION



Trail Name: Bashaw Creek Loop Trail
Trail Number: T301

Refuge Name: Ankeny NWR
Region: 1

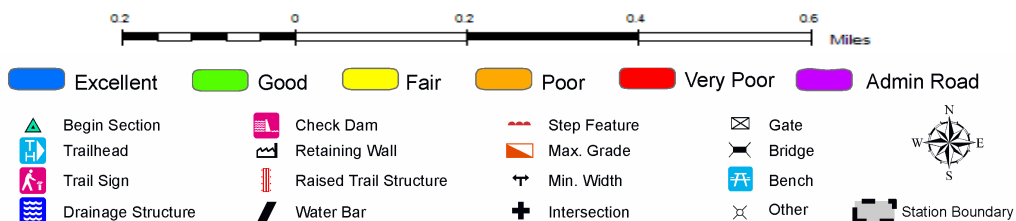
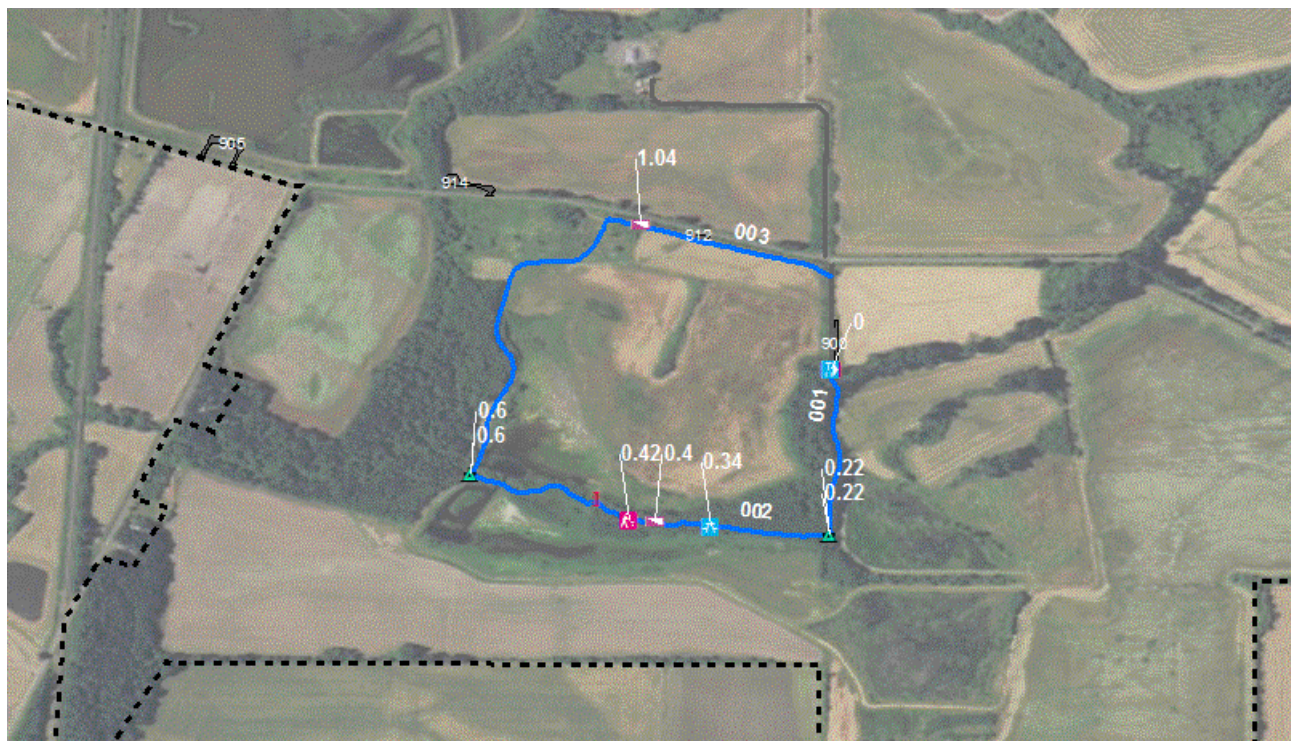
Total Length: 0.34 Miles

Section Number	001
Section Length (miles)	0.34
SAMMS Number	10039518
Rating Date	08/19/2012
Trail Section Information	
Trail Class	TC3
Surface Type	Admin Road
Surface Firmness	Firm
Width (inches)	43
Average Grade (%)	3.3
Average X-slope (%)	3.20
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL CONDITION



Trail Name: Rail Trail Loop Trail
Trail Number: T400

Refuge Name: Ankeny NWR
Region: 1

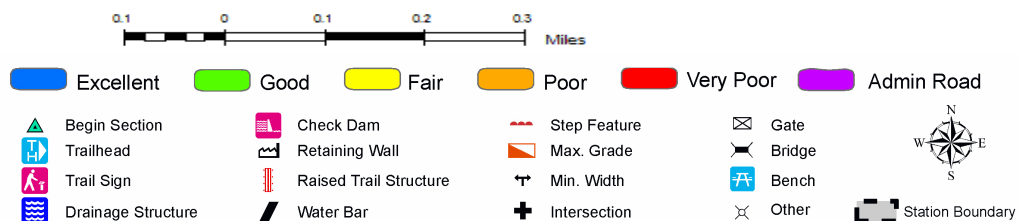
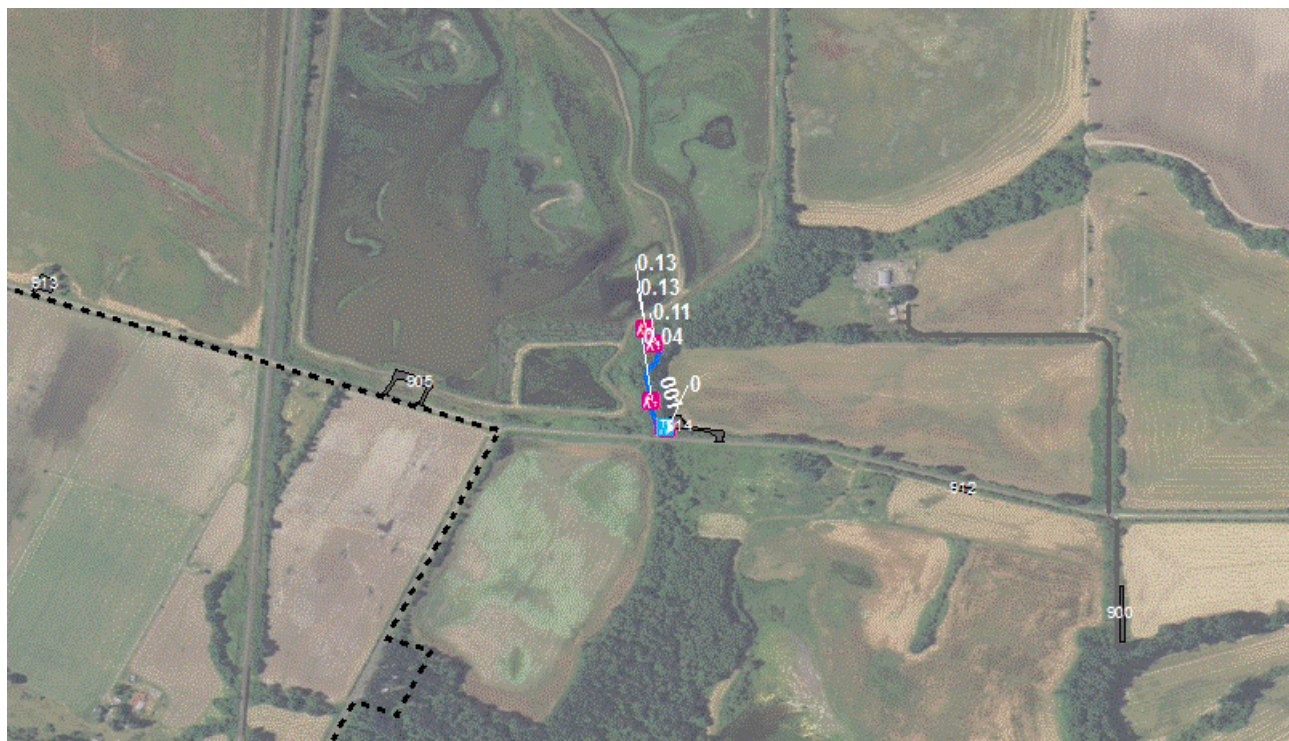
Total Length: 1.24 Miles

Section Number	001	002	003
Section Length (miles)	0.22	0.38	0.64
SAMMS Number	10004399	10004399	10004399
Rating Date	06/06/2007	06/06/2007	06/06/2007
Trail Section Information			
Trail Class	TC4	TC4	TC4
Surface Type	Gravel	Boardwalk	Mowed
Surface Firmness	Hard	Hard	Firm
Width (inches)	62	60	96
Average Grade (%)	1.4	1.4	1.4
Average X-slope (%)	1.80	1.80	1.80
Trail Condition Information			
Deferred Maintenance			
CRV	\$31,633	\$262,038	\$32,652
FCI	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$326,322	0.00	Excellent

TRAIL CONDITION



Trail Name: Pintail/Egret Marsh Trail
Trail Number: T401

Refuge Name: Ankeny NWR
Region: 1

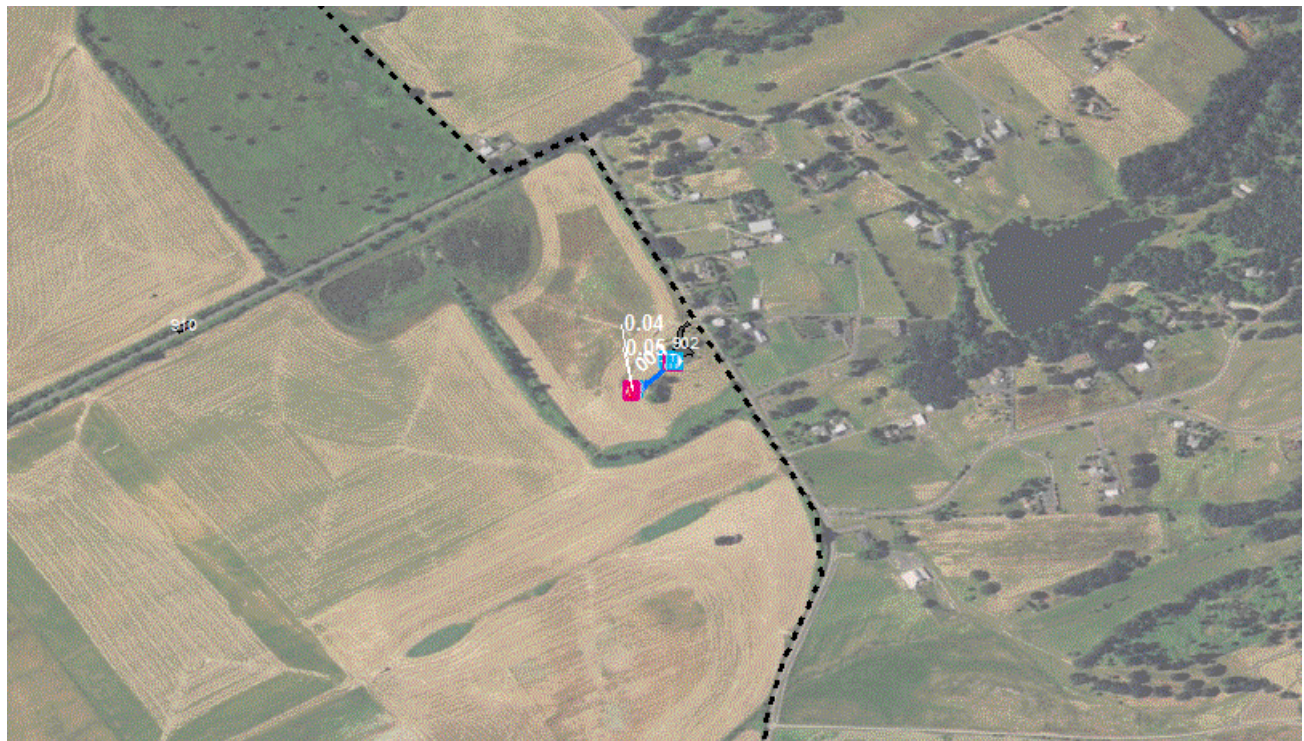
Total Length: 0.13 Miles

Section Number	001
Section Length (miles)	0.13
SAMMS Number	10039128
Rating Date	06/06/2007
Trail Section Information	
Trail Class	TC4
Surface Type	Boardwalk
Surface Firmness	Hard
Width (inches)	60
Average Grade (%)	1.0
Average X-slope (%)	0.30
Trail Condition Information	
Deferred Maintenance	
CRV	\$89,645
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$89,645	0.00	Excellent

TRAIL CONDITION



Trail Name: Ankeny Hill Overlook Trail
Trail Number: T402

Refuge Name: Ankeny NWR
Region: 1

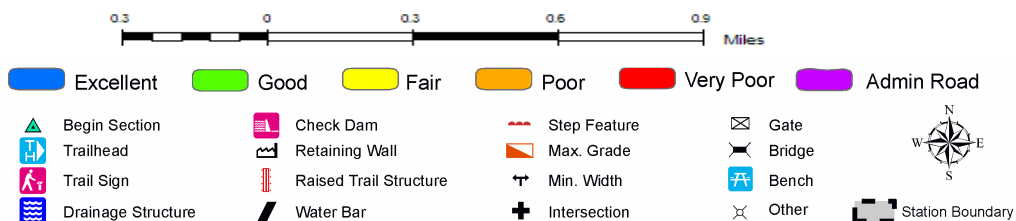
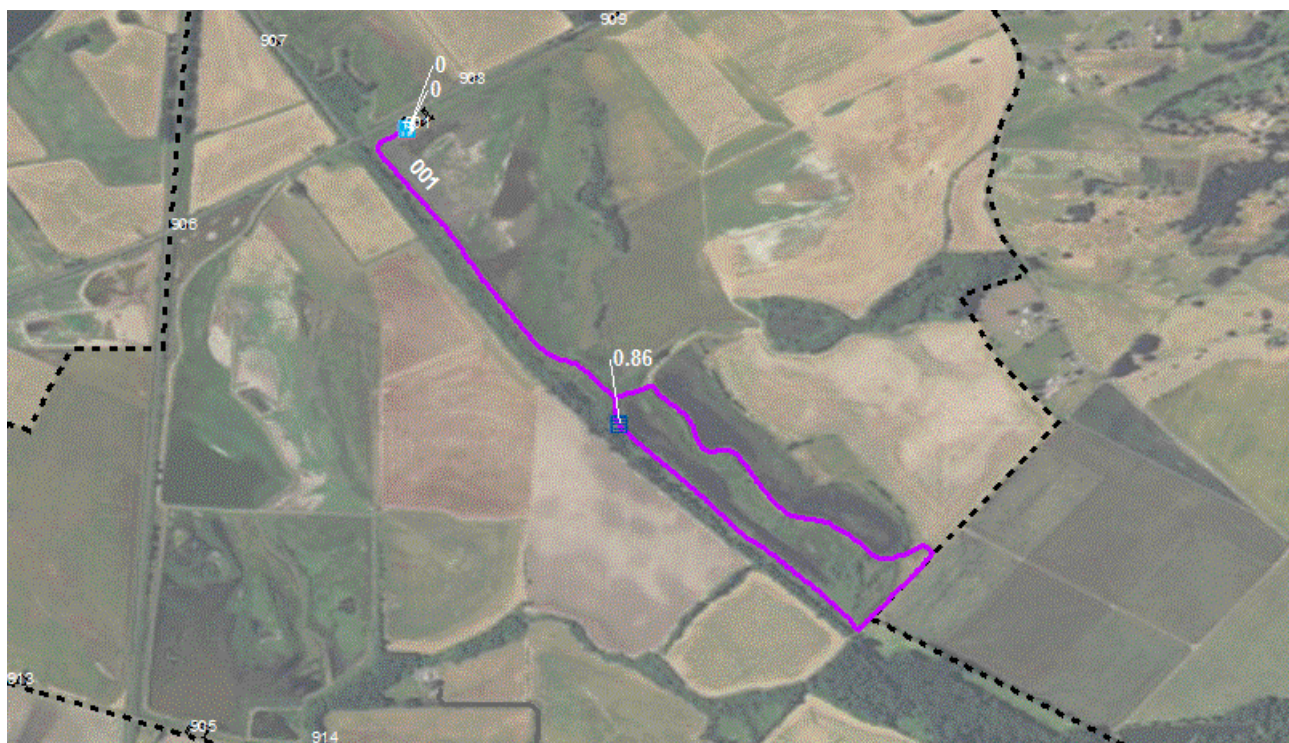
Total Length: 0.06 Miles

Section Number	001
Section Length (miles)	0.06
SAMMS Number	10039507
Rating Date	06/06/2007
Trail Section Information	
Trail Class	TC4
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	60
Average Grade (%)	1.1
Average X-slope (%)	0.30
Trail Condition Information	
Deferred Maintenance	
CRV	\$8,348
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$8,348	0.00	Excellent

TRAIL CONDITION



Trail Name: Sidnery Irrigation Ditch Trail
Trail Number: T403

Refuge Name: Ankeny NWR
Region: 1

Total Length: 2.50 Miles

Section Number	001
Section Length (miles)	2.50
SAMMS Number	10004399
Rating Date	08/19/2012
Trail Section Information	
Trail Class	TC4
Surface Type	Admin Road
Surface Firmness	Firm
Width (inches)	200
Average Grade (%)	2.0
Average X-slope (%)	6.30
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

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TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0582 - MP 0.00 - Sign

TRAIL NUMBER: T300
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0583 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0587 - MP 0.00 - Trailhead

TRAIL NUMBER: T301
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0588 - MP 0.11 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0589 - MP 0.23 - Bridge -sf

TRAIL NUMBER: T301
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0590 - MP 0.84 - Intersection

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0580 - MP 0.00 - Trailhead

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0578 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0579 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0584 - MP 0.22 - Intersection

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0581 - MP 0.22 - Begin Section

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0591 - MP 0.42 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0585 - MP 0.60 - Intersection

TRAIL NUMBER: T400
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0586 - MP 0.60 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0594 - MP 0.00 - Trailhead

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0592 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0593 - MP 0.00 - Sign

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0595 - MP 0.04 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0596 - MP 0.11 - Sign

TRAIL NUMBER: T401
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0597 - MP 0.13 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0601 - MP 0.00 - Trailhead

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0599 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 06/06/2007



Photo # ANKE_C3_0598 - MP 0.00 - Sign

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0602 - MP 0.04 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0603 - MP 0.04 - Sign

TRAIL NUMBER: T402
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0604 - MP 0.05 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T403
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0605 - MP 0.00 - Trailhead

TRAIL NUMBER: T403
STATION: Ankeny NWR
DATE: 08/16/2012



Photo # ANKE_C3_0606 - MP 0.00 - Sign

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.