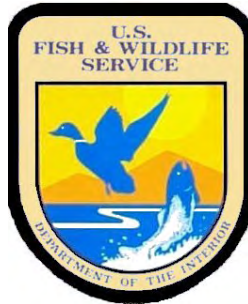


# **The Road Inventory of Havasu National Wildlife Refuge Needles, CA**



Prepared By:  
Federal Highway Administration  
Central Federal Lands Highway Division  
April 2008



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## INTRODUCTION

The Transportation Equity Act for the 21<sup>st</sup> Century (Public Law 105-178) created the Refuge Roads Program. Refuge roads are those public roads that provide access to or within a unit of the National Wildlife Refuge System and for which title and maintenance responsibility is vested in the United States Government. Funds from the Highway Trust Fund are available for refuge roads and can be used by the station to pay the cost of:

- (a) Maintenance and improvements of refuge roads.
- (b) Maintenance and improvements of:
  - (1) Adjacent vehicle parking areas
  - (2) Provision for pedestrians and bicycles and
  - (3) Construction and reconstruction of roadside rest areas that are located in or adjacent to wildlife refuges
- (c) Administrative costs associated with such maintenance and improvements.

The funds available for refuge roads are to be disbursed based on the relative needs of the various refuges in the National Wildlife Refuge System, and taking into consideration:

- (a) The comprehensive conservation plan for each refuge;
- (b) The need for access as identified through land use planning; and
- (c) The impact of land use planning on existing transportation facilities.

To determine the relative needs of the U.S. Fish and Wildlife Service, the Federal Highway Administration (FHWA) was asked to inventory all public access roads and parking lots and provide a condition assessment of each. In 2008 the inventory was expanded to include administrative (service use only) roads in addition to public access roads. An FHWA representative meets with refuge personnel to identify route segments and assign route numbers and functional classifications (See Appendix) for each route. All roads and parking lots are mapped using Trimble GPS units and visually assessed for condition using the RSL method of evaluation developed at Utah State University (See Appendix). Culverts, Gates, Guardrails and Low Water Crossings are also mapped and inspected for any obvious defects.

An estimate is provided, in year 2008 dollars, based on the condition determined by the rating system. Estimates are based upon data and location factors from the 2008 RS Means Heavy Construction Cost Data 22<sup>nd</sup> Annual Edition. Cost estimates should be evaluated on a case-by-case basis when being used for programming purposes.

In addition to this report, the FHWA will furnish the condition ratings of each route and segment to the Fish and Wildlife Service in a Microsoft Access database so the data can be included in their Real Property Inventory.

# Havasu NWR

## Summaries

### Route Miles and Percentages by Functional Class and Condition

F. C.	Condition Rating (Based on RSL)*										TOTAL MILES
	Excellent		Good		Fair		Poor		Failed		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
I	0.03	7.7%	0.07	19.5%			0.25	72.8%			0.34
II	5.09	39.8%	6.76	52.8%	0.91	7.1%	0.03	0.3%			12.79
III											
IV											
V	1.14	3.4%	21.68	64.8%	6.76	20.2%	3.86	11.5%			33.44
Totals	6.26	13.4%	28.51	61%	7.67	16.5%	4.14	8.9%			46.57

\*For a description of condition ratings for the various surface types see the Appendix.

### Route Miles and Percentages by Surface Type and Condition

S. T.	Paved Condition Rating [Condition(RSL)]										TOTAL MILES
	Excellent (19-20)		Good (13-18)		Fair (7-12)		Poor (1-6)		Failed (0)		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
AS							0.28	100.0%			0.28
CO											
Totals							0.28	100%			0.28

S. T.	Unpaved Condition Rating [Condition(RSL)]										TOTAL MILES
	Excellent (8-10)		Good (5-7)		Fair (3-4)		Poor (1-2)		Failed (0)		
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
GR	6.26	18.3%	26.82	78.3%	0.16	0.5%	1.04	3.0%			34.27
NA			1.32	19.2%	5.26	76.5%	0.3	4.3%			6.88
PR			0.36	7.1%	2.25	43.8%	2.52	49.1%			5.13
Totals	6.26	13.5%	28.51	61.6%	7.67	16.6%	3.86	8.3%			46.29

### Square Footage (Parking Areas)

S. T.	Condition Rating										Total Square Feet
	Excellent		Good		Fair		Poor		Failed		
	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%	
AS			2251	13.0%			15110	87.0%			17361
CO	1161	100%									1161
GR	39125	35.1%	37594	33.7%	32679	29.3%	2174	1.9%			111572
NA			20211	44.8%			24912	55.2%			45123
PR											
Totals	40286	23.0%	60056	34.3%	32679	18.7%	42196	24.1%			175217

# Havasu NWR

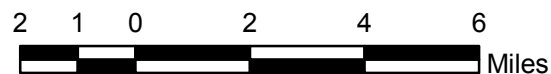
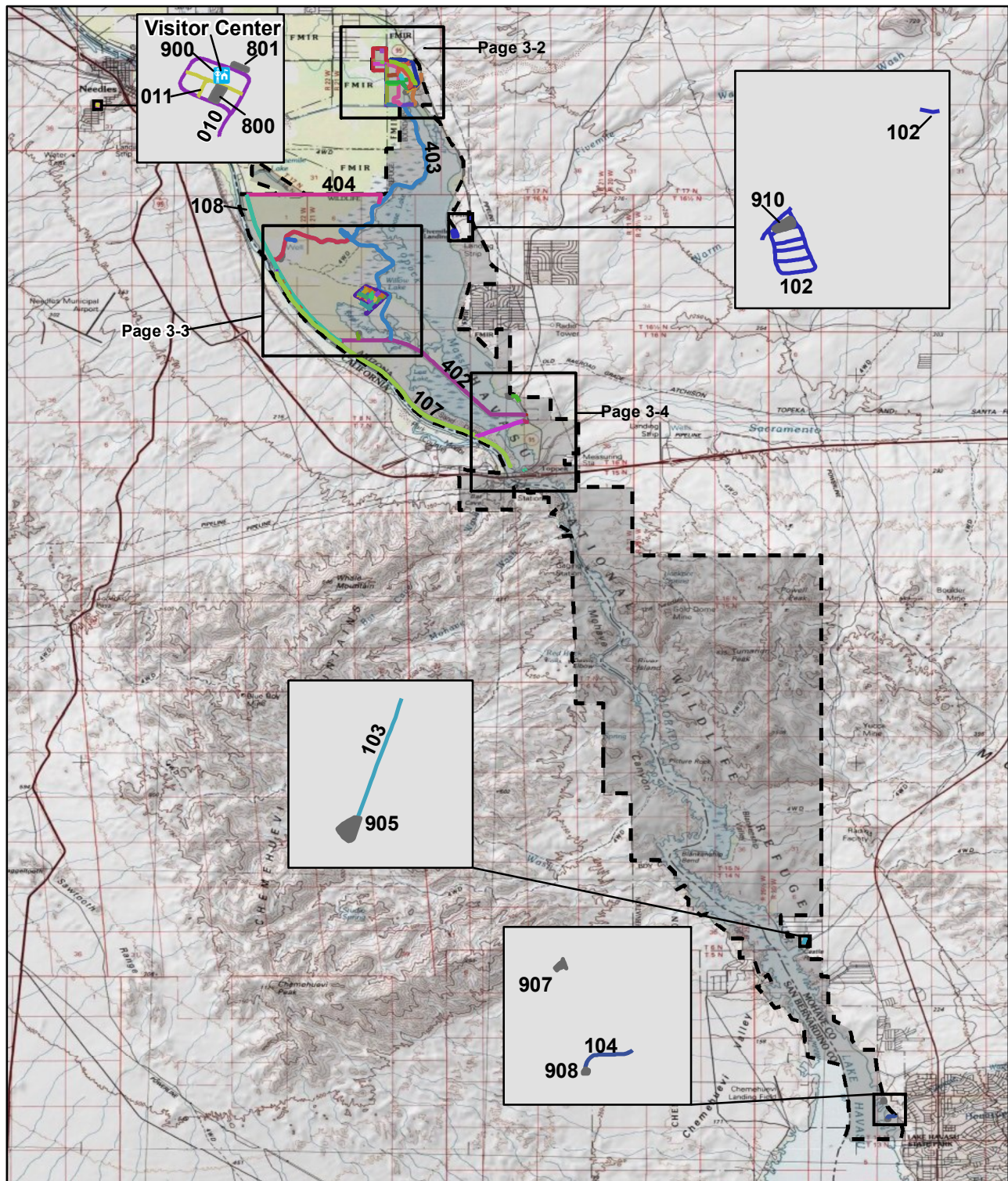
## Summaries

### Route Miles and Percentages by Use Type and Condition

USE TYPE	Road Condition Rating: Public/Administrative Use										TOTAL MILES	PERCENT TOTAL MILES
	Excellent		Good		Fair		Poor		Failed			
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%		
Public (FC I-III)	5.11	39.0%	6.82	52%	0.91	6.9%	0.28	2.1%			13.13	28%
Admin (FC IV-V)	1.14	3.4%	21.68	64.8%	6.76	20.2%	3.86	11.5%			33.44	72%
Totals	6.26	13.4%	28.51	61%	7.67	16.5%	4.14	8.9%			46.57	

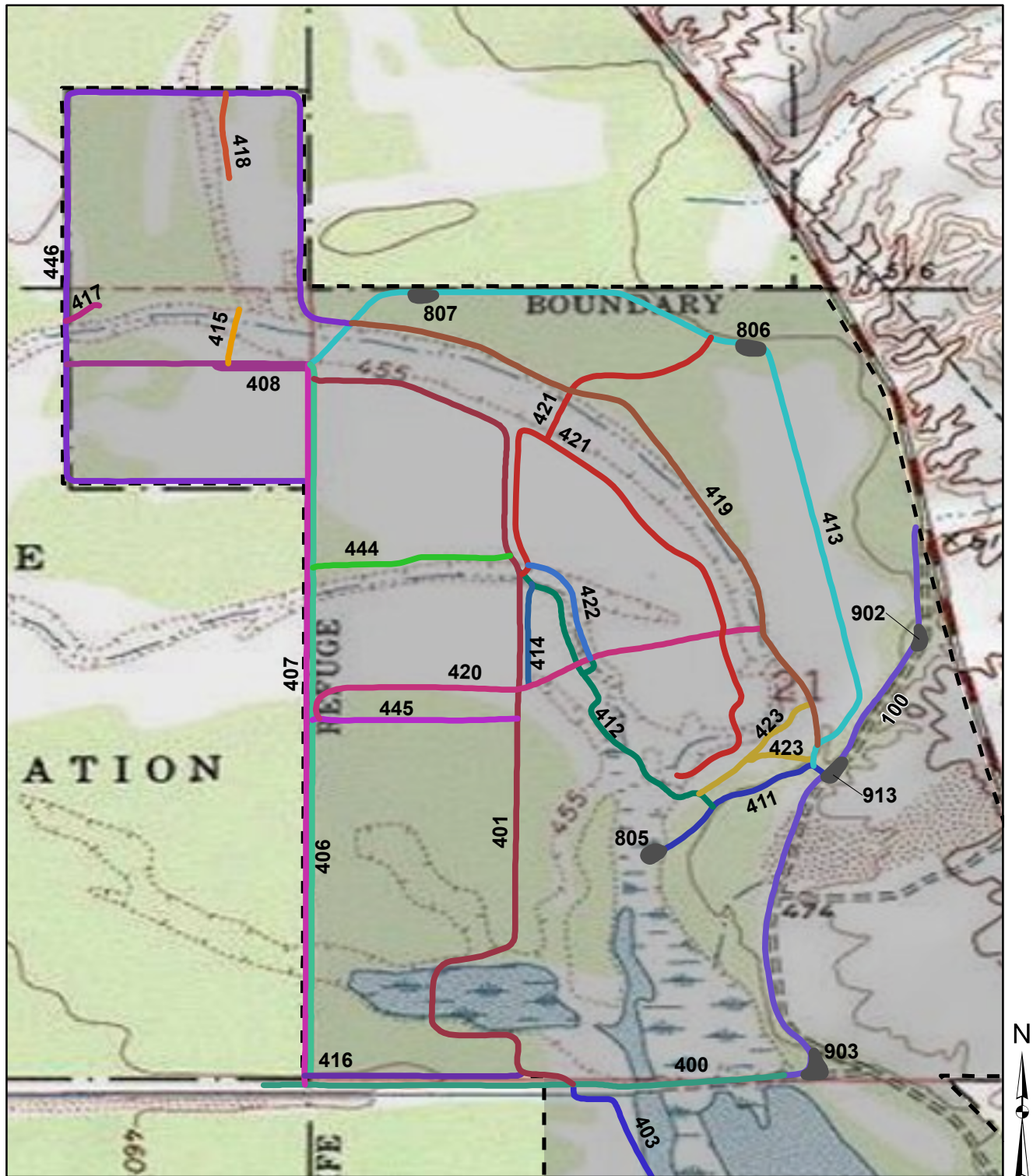
USE TYPE	Parking Condition Rating										Total Square Feet	PERCENT TOTAL SF
	Excellent		Good		Fair		Poor		Failed			
	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%		
Public	29228	27.0%	31278	28.9%	30289	28.0%	24912	23.0%			108079	62%
Admin	11058	16.5%	28778	43%	2390	3.6%	17284	25.7%			67138	38%
Totals	40286	23.0%	60056	34.3%	32679	18.7%	42196	24.1%			175217	

# HAVASU NATIONAL WILDLIFE REFUGE ROUTE LOCATION MAP





# HAVASU NATIONAL WILDLIFE REFUGE ROUTE LOCATION MAP 2

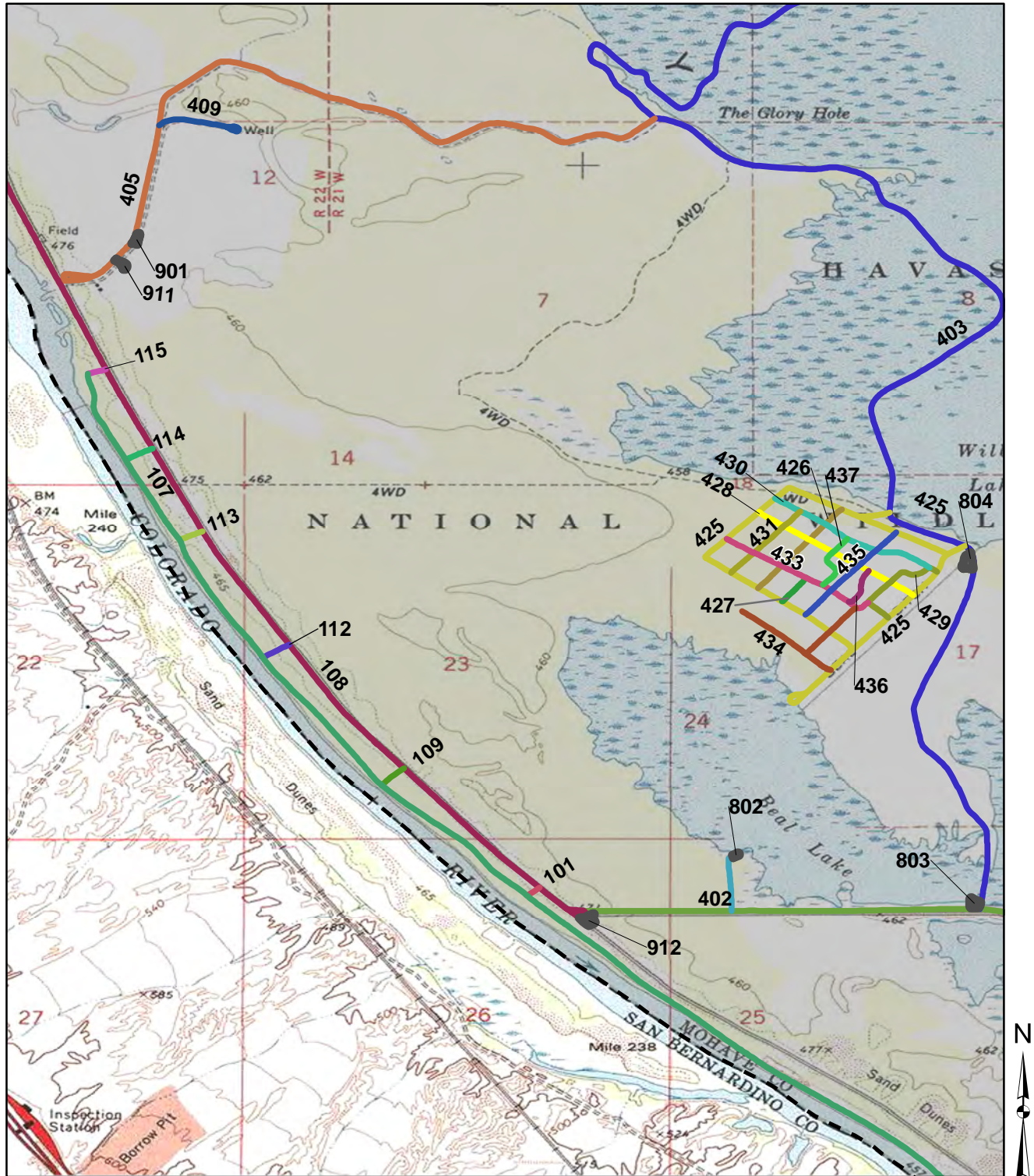


0 0.2 0.4 0.8 Miles



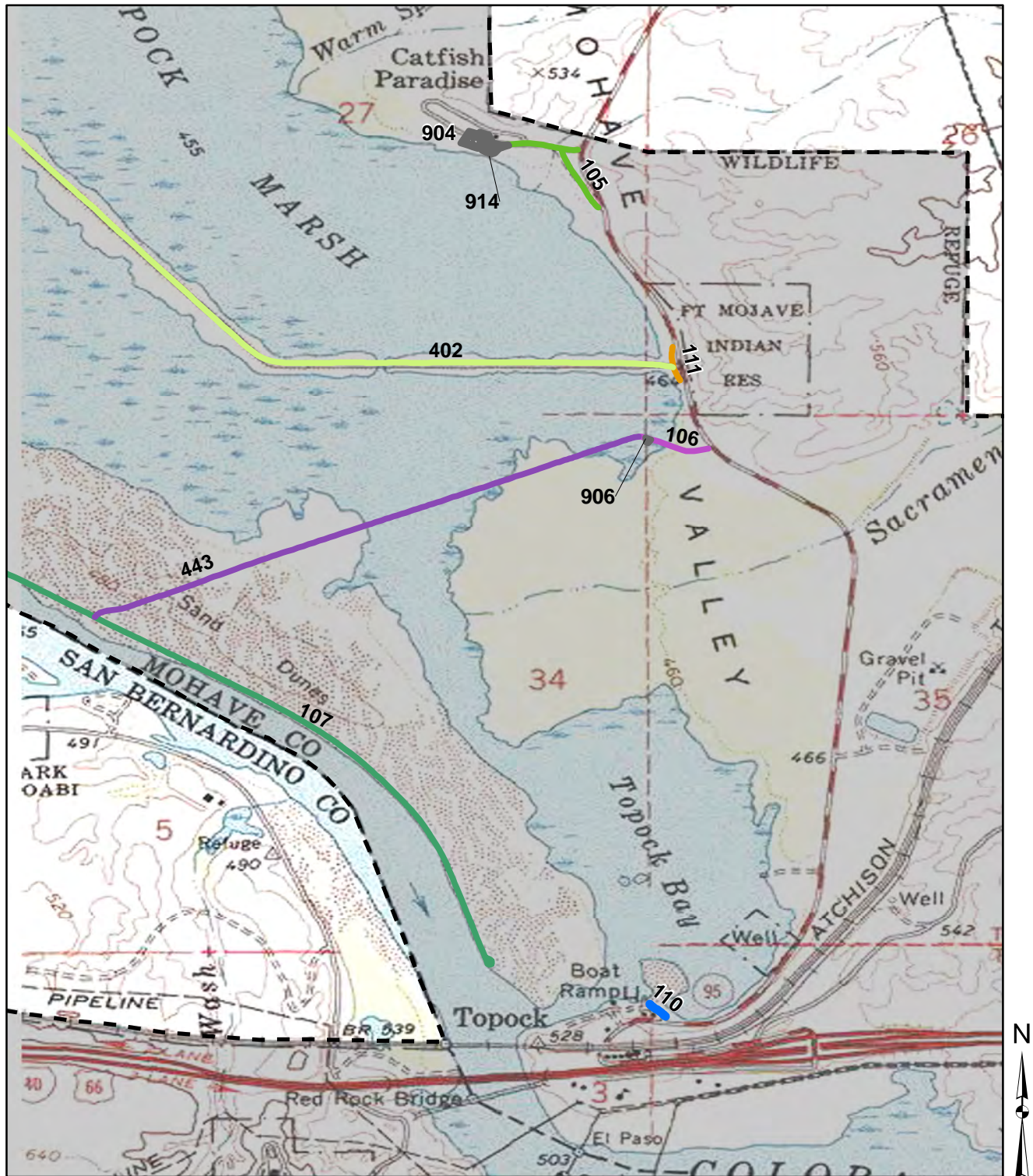
# HAVASU NATIONAL WILDLIFE REFUGE

## ROUTE LOCATION MAP 3





# HAVASU NATIONAL WILDLIFE REFUGE ROUTE LOCATION MAP 4



0 0.25 0.5 1  
Miles



## Havasu NWR - 22550 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes
Yellow = Unpaved Routes

RTE #	Asset Number	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MI	UN-PAVED MI	LANES	FC
010	10009808	Headquarters Drive	0.25	From J Street (Needles, CA) to end of loop (Sunset Ave., Mesquite Ave., Santa Fe Ave., Ocotillo Ave.)	0.25	-	2	1
011	10009731	Headquarters Drive Connector Road	0.09	From Headquarters Drive (Route 010, Sunset Ave.) to Headquarters Drive (Route 010, Santa Fe Ave., Ocotillo Ave.)	-	0.09	2	1
100	10009731	North Dike Public Access Road	0.76	From E AZ-95 Mohave Valley Highway to North Dike Road (Route 400) and North Dike Parking Area (Route 903)	-	0.76	2	2
101	10009731	Upper Levee Cut Across Road 1	0.04	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.04	2	2
102	10009731	Five Mile Landing Road	0.75	Roads in the Five Mile Landing Unit	-	0.75	2	2
103	10009731	Castle Rock Road	0.16	From Vista Road to Castle Rock Parking Area (Route 905)	-	0.16	1	2
104	10009731	Mesquite Bay Phase 2 Road	0.18	From London Bridge Road (Old State Hwy 95) to Mesquite Bay Phase 2 Parking Area (Route 908)	-	0.18	2	2
105	10009731	Catfish Paradise Access Road	0.25	From Oatman-Topock Highway (Old US-66) to Catfish Paradise Parking Area (Route 904)	-	0.25	1	2
106	10009731	New South Dike Access Road	0.11	From Oatman-Topock Highway (Old US-66) to New South Dike Road (Route 443) and New South Dike Parking Area (Route 906)	-	0.11	2	2
107	10009731	Lower Levee Road	6.30	From Upper Levee Cut Across Road 6 (Route 115) to end of loop	-	6.30	2	2
108	10009731	Upper Levee Road	3.81	From end of Mohave Valley Drive at Refuge Boundary to Upper Levee Road Parking (Route 912)	-	3.81	2	2
109	10009731	Upper Levee Cut Across Road 2	0.07	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.07	2	2
110	10009808	Topock Marina Road	0.03	From Oatman-Topock Highway (Old US-66) to Boat Launch at River	0.03	-	2	2
111	10009731	South Dike Public Access Road	0.07	From Oatman-Topock Highway (Old US-66) to Oatman-Topock Highway (Old US-66)	-	0.07	2	2
112	10009731	Upper Levee Cut Across Road 3	0.07	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.07	2	2
113	10009731	Upper Levee Cut Across Road 4	0.06	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.06	2	2
114	10009731	Upper Levee Cut Across Road 5	0.07	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.07	2	2
115	10009731	Upper Levee Cut Across Road 6	0.04	From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)	-	0.04	2	2
400	10009723	North Dike Road	0.54	From North Dike Public Access Road (Route 100) and North Dike Parking Area (Route 903) to end of route	-	0.54	1	5
401	10009723	Pintail Slough Road 5	1.22	From North Dike Road (Route 400) to Pintail Slough 3 East Access Road (Route 406)	-	1.22	1	5
402	10009813	South Dike Road	4.10	From South Dike Public Access Road (Route 111) to Upper Levee Road (Route 108)	-	4.10	2	5
403	10009723	Interior Road	7.62	From South Dike Road (Route 402) to North Dike Road (Route 400)	-	7.62	1	5

## Havasu NWR - 22550 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes
Yellow = Unpaved Routes

RTE #	Asset Number	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MI	UN-PAVED MI	LANES	FC
404	-	Fire Break Road	2.69	From Interior Road (Route 403) to Upper Levee Road (Route 108)	-	2.69	1	5
405	10009812	Farm Ditch Road	2.01	From Interior Road (Route 403) to Upper Levee Road (Route 108)	-	2.01	2	5
406	-	Pintail Slough 3 East Access Road	0.90	From North Dike Road 2 (Route 416) to Hunters Road 1 (Route 413) and Pintail Slough 10 (Route 408)	-	0.90	1	5
407	10009723	Pintail Slough 3 West Access Road	0.91	From Pintail Slough 10 (Route 408) to North Dike Road (Route 400)	-	0.91	1	5
408	-	Pintail Slough Road 10	0.35	From Pintail Slough 3 East Access Road (Route 406) to Hunters Road 1 (Route 413)	-	0.35	1	5
409	10009723	Pump Loop Road	0.23	From Farm Ditch Road (Route 405) to end of loop	-	0.23	1	5
410	10009723	Lake Beal Tower Road	0.16	From South Dike Road (Route 402) to Lake Beal Tower Road Parking (Route 802)	-	0.16	1	5
411	10009723	Pintail Slough Road 1	0.21	From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)	-	0.21	1	5
412	-	Pintail Slough Road 4	0.43	From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)	-	0.43	1	5
413	10009723	Hunters Road 1	1.09	From Pintail Slough Road Road 1 (Route 411) to Pintail Slough 10 (Route 408)	-	1.09	1	5
414	-	Pintail Slough Road 12	0.13	From Pintail Slough Road 4 (Route 412) to Pintail Slough 7 North Access Road (Route 420)	-	0.13	1	5
415	-	Hunters Blind Access Road 3	0.07	From Pintail Slough Road 10 (Route 408) to end of route at blind	-	0.07	1	5
416	-	North Dike Road 2	0.23	From Pintail Slough 3 West Access Road (Route 407) to Pintail Slough Road 5 (Route 401)	-	0.23	1	5
417	-	Hunters Blind Access Road 1	0.04	From Pintail Slough Road 10 (Route 408) to end of route at blind	-	0.04	1	5
418	-	Hunters Blind Access Road 2	0.11	From Pintail Slough Road 10 (Route 408) to end of route at blind	-	0.11	1	5
419	10009723	Hunter Road 3	0.79	From Hunter Road 1 (Route 413) Section 001 to Hunter Road 1 (Route 413) Section 002	-	0.79	1	5
420	10009723	Pintail Slough 7 North Access Road	0.51	From Pintail Slough 7 South Access Road Route (Route 445) to Hunter Road 3 (Route 419)	-	0.51	1	5
421	10009723	Hunters Road 2	1.00	From Pintail Slough Road 4 (Route 412) to end of route	-	1.00	1	5
422	-	Pintail Slough Road 11	0.15	From Hunters Road 2 (Route 421) to Pintail Slough 7 North Access Road (Route 420)	-	0.15	1	5
423	-	Pintail Slough Road 4A	0.24	From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)	-	0.24	1	5
425	-	Beal Lake Restoration Parameter Road	1.88	From Interior Road (Route 403) to end of Loop	-	1.88	1	5
426	-	Beal Lake Restoration Central Access 1	0.30	From Beal Lake Restoration Parameter Road (Route 425) Section 001 to Beal Lake Restoration Parameter Road (Route 425) Section 002	-	0.30	1	5
427	-	Beal Lake Restoration Central Access 2	0.09	From Beal Lake Restoration Parameter Road (Route 425) to Beal Lake Restoration Central Access 7 (Route 433)	-	0.09	1	5

## Havasu NWR - 22550 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes
Yellow = Unpaved Routes

RTE #	Asset Number	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MI	UN-PAVED MI	LANES	FC
428	10009723	Beal Lake Restoration Central Access 3	0.43	From Beal Lake Restoration Parameter Road (Route 425) Section 001 to Beal Lake Restoration Parameter Road (Route 425) Section 003	-	0.43	1	5
429	-	Beal Lake Restoration Central Access 4	0.28	From Beal Lake Restoration Parameter Road (Route 425) Section 003 to Beal Lake Restoration Parameter Road (Route 425) Section 003	-	0.28	1	5
430	-	Beal Lake Restoration Central Access 5	0.42	From Beal Lake Restoration Central Access 4 (Route 429) to Beal Lake Restoration Parameter Road (Route 425) Section 001	-	0.42	1	5
431	-	Beal Lake Restoration Central Access 6	0.24	From Beal Lake Restoration Parameter Road (Route 425) to Beal Lake Restoration Central Access 5 (Route 430)	-	0.24	1	5
433	-	Beal Lake Restoration Central Access 7	0.40	From Beal Lake Restoration Parameter Road (Route 425) to Beal Lake Restoration Central Access 4 (Route 429)	-	0.40	1	5
434	-	Beal Lake Restoration Central Access 8	0.45	From Beal Lake Restoration Central Access 7 (Route 433) to end of route	-	0.45	1	5
435	-	Beal Lake Restoration Central Access 9	0.32	From Beal Lake Restoration Parameter Road (Route 425) Section 002 to Beal Lake Restoration Parameter Road (Route 425) Section 004	-	0.32	1	5
436	-	Beal Lake Restoration Central Access 10	0.11	From Beal Lake Restoration Central Access 3 (Route 428) to Beal Lake Restoration Central Access 7 (Route 433)	-	0.11	1	5
437	-	Beal Lake Restoration Central Access 11	0.17	From Beal Lake Restoration Central Access 7 (Route 433) to Beal Lake Restoration Central Access 5 (Route 430)	-	0.17	1	5
443	10009723	New South Dike Road	0.92	From New South Dike Access Road (Route 106) and New South Dike Parking Area (Route 906) to Lower Levee Road (Route 107)	-	0.92	1	5
444	-	Pintail Slough Road 8	0.21	From Pintail Slough 3 East Access Road (Route 406) to Pintail Slough Road 5 (Route 401)	-	0.21	1	5
445	10009723	Pintail Slough 7 South Access Road	0.21	From Pintail Slough 3 East Access Road (Route 406) to Pintail Slough Road 5 (Route 401)	-	0.21	1	5
446	-	Pintail Slough Road 2	1.30	From Hunters Road 1 (Route 413) to Pintail Slough 3 West Access Road (Route 407)	-	1.30	1	5

## Havasu NWR - 22550 - ROUTE IDENTIFICATION LIST (PARKING)

Shading Color Key:

Green = Unpaved Parking Lots

Blue = Paved Parking Lots

RTE #	ASSET NUMBER	ROUTE NAME	RTE SQFT	ROUTE DESCRIPTION	PAVED SQFT	UN-PAVED SQFT
800		Administrative Parking 1	6860		-	6860
801		Administrative Parking 2	3200		-	3200
802		Lake Beal Tower Road Parking	4198		-	4198
803		Interior Road Administrative Parking	17374		-	17374
804		Interior Road Parking	24912		-	24912
805		Hunter Unit Parking 1	4045		-	4045
806		Hunter Unit Parking 2	4159		-	4159
807		Hunter Unit Parking 3	2390		-	2390
900	10009810	Visitor Center Parking Area	2251		2251	-
901		Refuge Farm Parking Area	8127		-	8127
902		Pintail Slough Parking Area	2174		-	2174
903	10009751	North Dike Parking Area	5460		-	5460
904	10009816	Catfish Paradise Parking Area	4630		-	4630
905	10009817	Castle Rock Parking Area	11473		-	11473
906		New South Dike Parking Area	1378		-	1378
907	10009802	Mesquite Bay Phase 1 Parking Area	15110		15110	-
908		Mesquite Bay Phase 2 Parking Area	7593		-	7593
909		Refuge Farm Handicapped Parking Area	655		655	-
910	10009818	Five Mile Landing Road Parking	15581		-	15581
911		Farm Ditch Road Parking	9845		-	9845
912		Upper Levee Road Parking	19940		-	19940
913		Pintail Slough Parking Area 2	3356		-	3356
914		Catfish Paradise Handicapped Parking Area	506		506	-

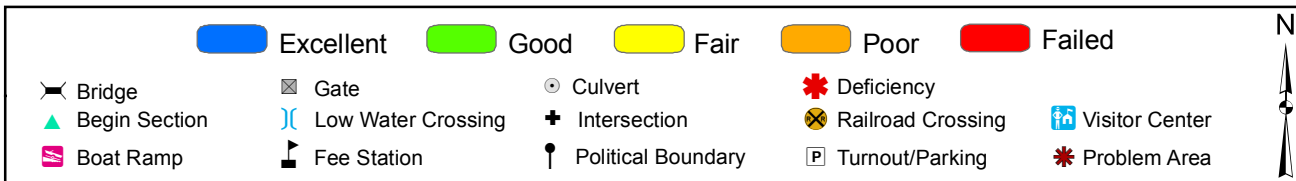
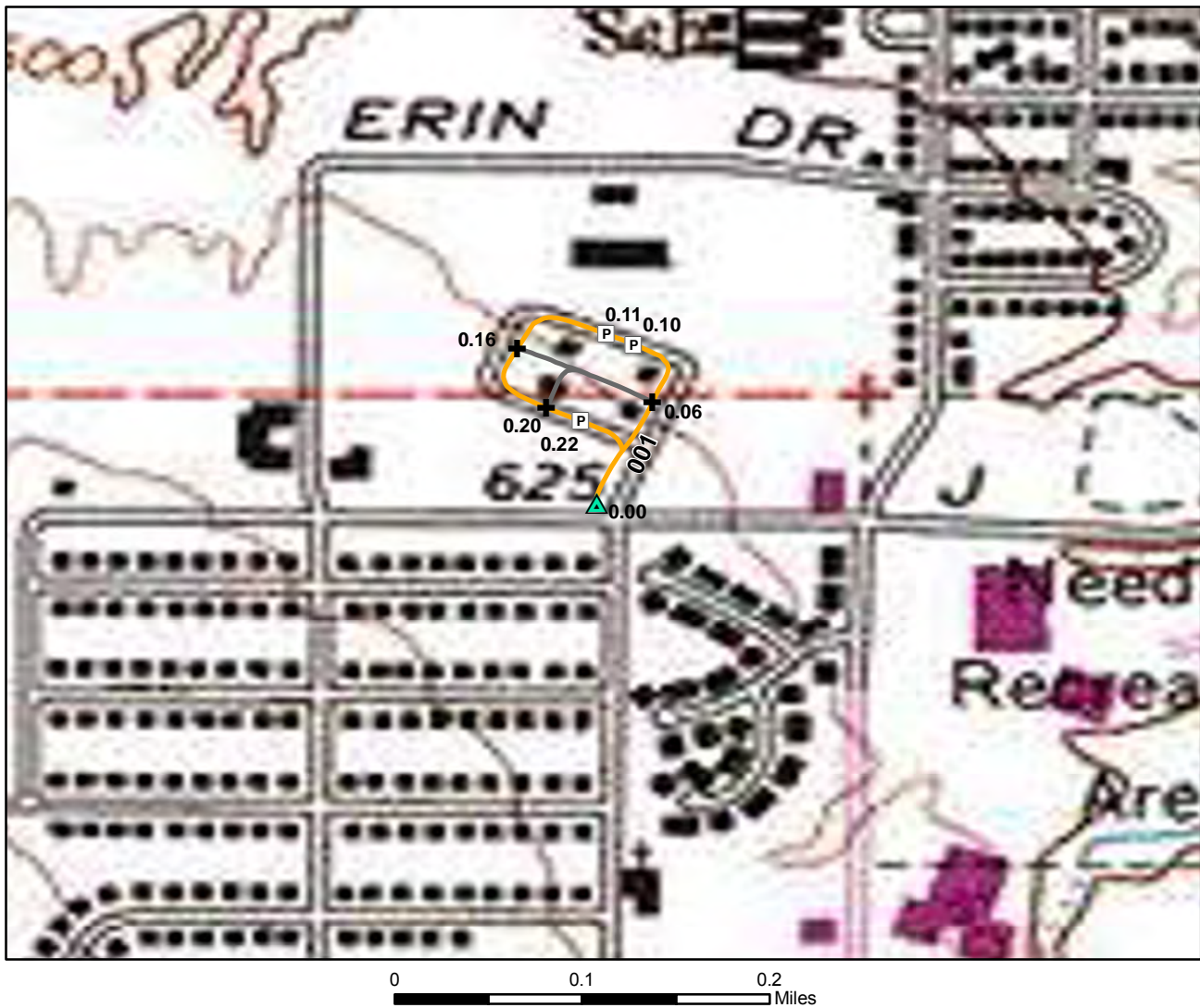
**CHANGES TO THE FISH AND WILDLIFE SERVICE ROAD INVENTORY REPORT  
HAVASU NWR -22550**

Routes added to previous inventory*:			
	Rte #	Rte Name	Reason for Addition
1.	910	Five Mile Landing Road Parking	Missed during previous inventory
2.	911	Farm Ditch Road Parking	Missed during previous inventory
3.	912	Upper Levee Road Parking	Missed during previous inventory
4	107	Lower Levee Road	Missed during previous inventory
5	108	Upper Levee Road	Missed during previous inventory
6	109	Upper Levee Cut Across Road 2	Missed during previous inventory
7	110	Topock Marina Road	Missed during previous inventory
8	111	South Dike Public Access Road	Missed during previous inventory
9	112	Upper Levee Cut Across Road 3	Missed during previous inventory
10	113	Upper Levee Cut Across Road 4	Missed during previous inventory
11	114	Upper Levee Cut Across Road 5	Missed during previous inventory
12	115	Upper Levee Cut Across Road 6	Missed during previous inventory
Routes removed from previous inventory:			
	Rte #	Rte Name	Reason for Removal
1.			
2.			
3.			
4.			
5.			
6.			
7.			

Routes modified from previous inventory:				
	Rte #	Rte Name	Type of Modification	Description of Modification
1.	102	Five Mile Landing Road	Geometry/Length change	5 more sections have been added for this route
2.	103	Mesquite Bay Phase 2 Road	Geometry/Length change	Route has been lengthened to begin at the refuge boundary
3.	105	Catfish Paradise Access Road	Surface change	Route has changed from native to gravel
4.				
5.				
6.				

**Comments:**

\* All Administrative Routes (FC IV & V) are new to the inventory and are not included in this list.



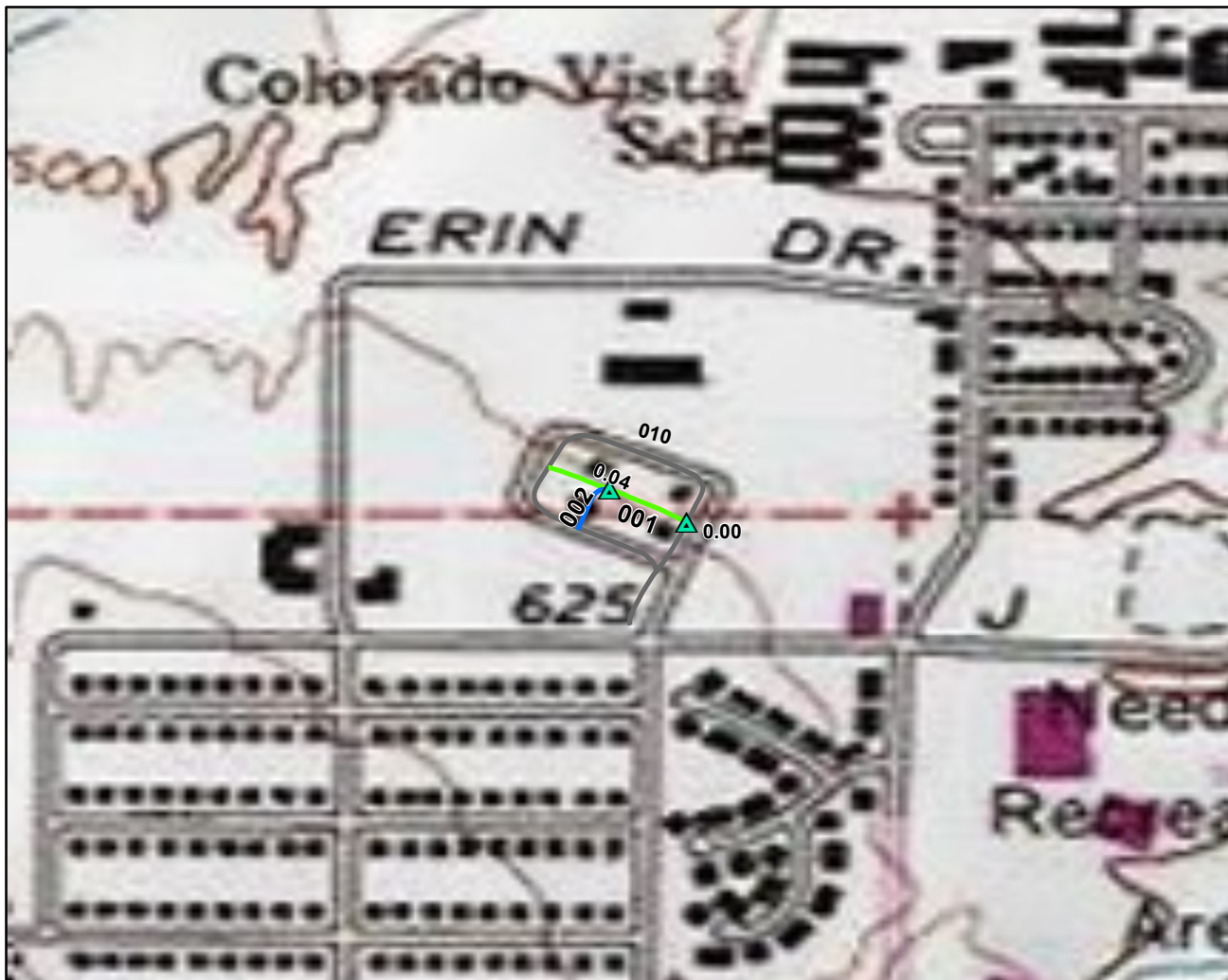
ROUTE: 010      Headquarters Drive      TOTAL LENGTH: 0.25 Miles

ASSET: 10009808

RTE DESCRIPTION: From J Street (Needles, CA) to end of loop  
(Sunset Avenue, Mesquite Ave, Santa Fe Avenue, Ocotillo Avenue)

Section Number	001				
Section Length (miles)	0.25				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Asphalt				
Number of Lanes	2				
Roadway Width (feet)	20				
<b>Roadway Condition Information</b>					
Condition	Poor				
Remaining Service Life (years)	6				
Cost Estimate	\$141700				
CRV	\$287600				





0 0.1 Miles

	Excellent		Good		Fair		Poor		Failed
	Bridge		Gate		Culvert		Deficiency		Railroad Crossing
	Begin Section		Low Water Crossing		Intersection		Turnout/Parking		Visitor Center
	Boat Ramp		Fee Station		Political Boundary		Problem Area		



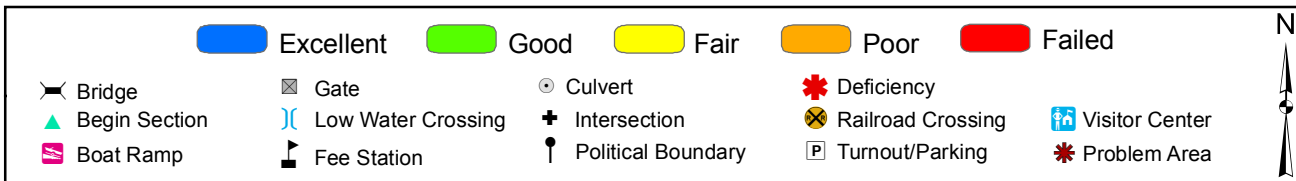
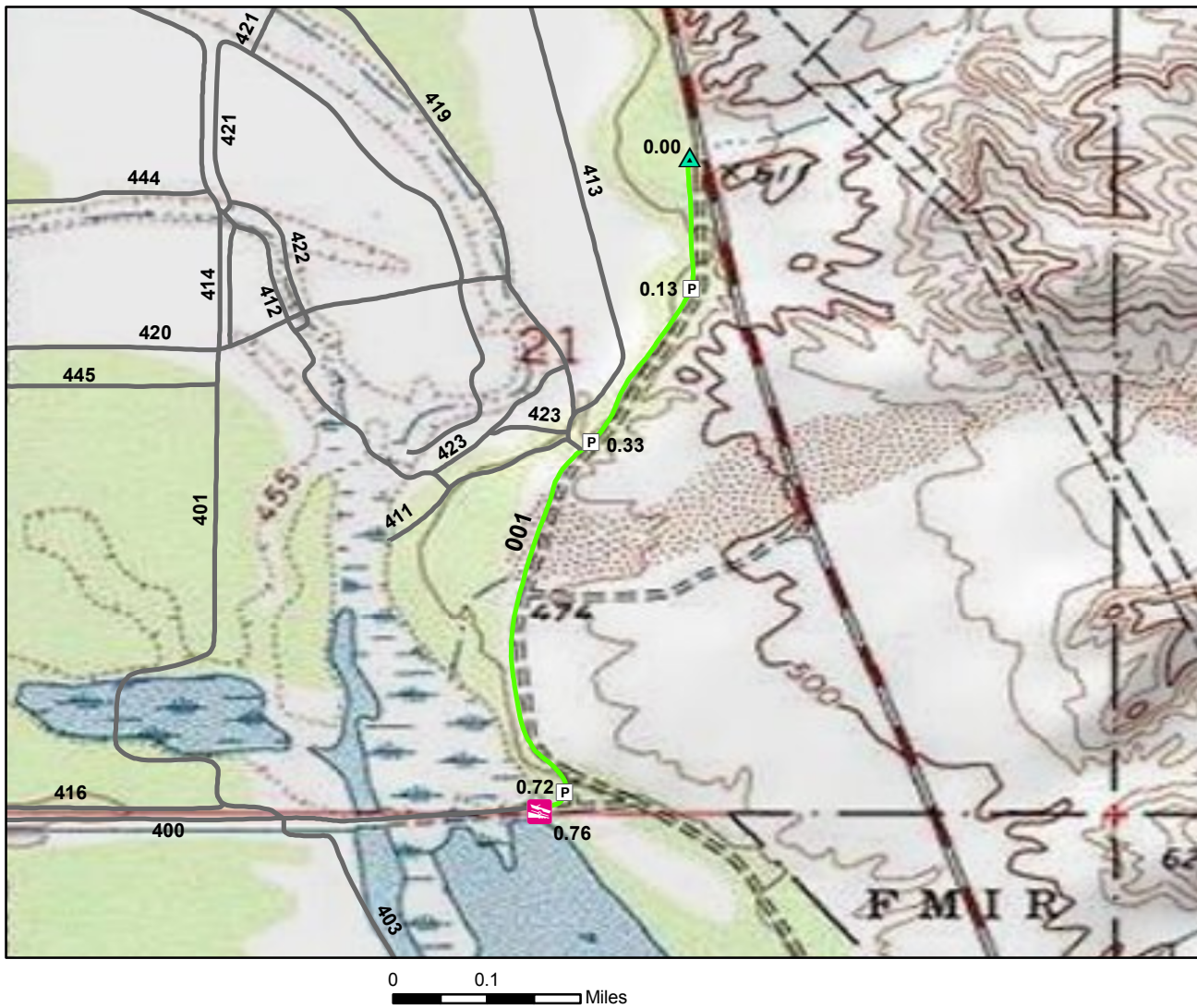
ROUTE: 011 Headquarters Drive Connector Road TOTAL LENGTH: 0.09 Miles

ASSET: 10009731

RTE DESCRIPTION: From Headquarters Drive (Route 010, Sunset Ave) to Headquarters Drive  
(Route 010, Santa Fe Avenue, Ocotillo Avenue)

Section Number	001	002			
Section Length (miles)	0.07	0.03			
Inspection Date	4/7/2008	4/7/2008			
<b>Section Information</b>					
Surface Type	Gravel	Gravel			
Number of Lanes	2	2			
Roadway Width (feet)	20	20			
<b>Roadway Condition Information</b>					
Condition	Good	Excellent			
Remaining Service Life (years)	5	9			
Cost Estimate	\$100	\$0			
CRV	\$44300	\$17600			





ROUTE: 100 North Dike Public Access Road TOTAL LENGTH: 0.76 Miles

ASSET: 10009731

RTE DESCRIPTION: From E AZ-95 Mohave Valley Highway to North Dike Road  
(Route 400) and North Dike Parking Area (Route 903)

Section Number	001				
Section Length (miles)	0.76				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	20				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$1200				
CRV	\$513500				



0 0.1 0.2 Miles

	Excellent		Good		Fair		Poor		Failed	N 

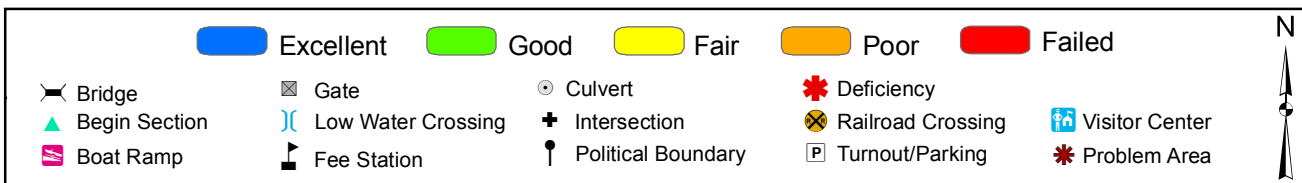
ROUTE: 101 Upper Levee Cut Across Road 1 TOTAL LENGTH: 0.037 Miles

ASSET: 10009731

RTE DESCRIPTION: From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)

Section Number	001				
Section Length (miles)	0.04				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	16				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$100				
CRV	\$24800				





ROUTE: 102      Five Mile Landing Road

TOTAL LENGTH: 0.75 Miles

ASSET: 10009731

RTE DESCRIPTION: Roads in the Five Mile Landing Unit

Section Number	001	002	003	004	005
Section Length (miles)	0.10	0.34	0.06	0.06	0.07
Inspection Date	4/7/2008	4/7/2008	4/7/2008	4/7/2008	4/7/2008
<b>Section Information</b>					
Surface Type	Native	Native	Native	Native	Native
Number of Lanes	2	1	2	2	2
Roadway Width (feet)	30	14	20	20	20
<b>Roadway Condition Information</b>					
Condition	Fair	Fair	Fair	Fair	Fair
Remaining Service Life (years)	3	3	3	3	3
Cost Estimate	\$200	\$700	\$100	\$100	\$100
CRV	\$35800	\$118300	\$22000	\$22200	\$23100



<div> <div>Excellent</div> <div>Good</div> <div>Fair</div> <div>Poor</div> <div>Failed</div> </div>		<div> <div>Bridge</div> <div>Gate</div> <div>Culvert</div> <div>Deficiency</div> <div>Railroad Crossing</div> <div>Visitor Center</div> </div>	
<div> <div>Begin Section</div> <div>Boat Ramp</div> </div>		<div> <div>Low Water Crossing</div> <div>Fee Station</div> <div>Intersection</div> <div>Political Boundary</div> <div>Turnout/Parking</div> <div>Problem Area</div> </div>	

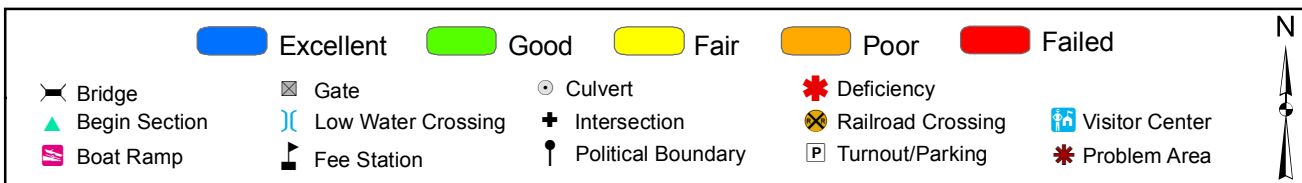
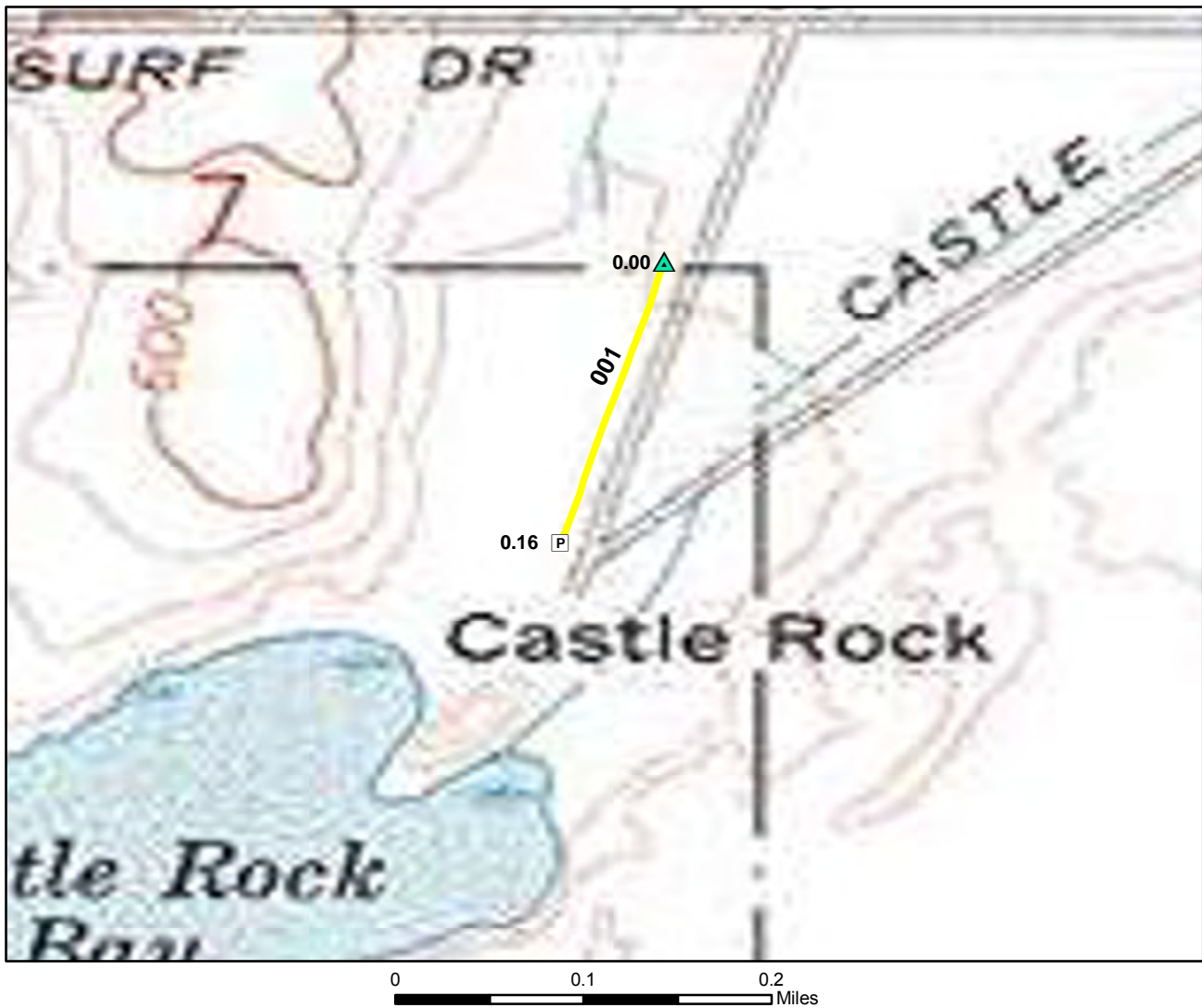
ROUTE: 102 Five Mile Landing Road

TOTAL LENGTH: 0.75 Miles

ASSET: 10009731

RTE DESCRIPTION: Roads in the Five Mile Landing Unit

Section Number	006	007			
Section Length (miles)	0.07	0.04			
Inspection Date	4/7/2008	4/7/2008			
<b>Section Information</b>					
Surface Type	Native	Native			
Number of Lanes	2	2			
Roadway Width (feet)	20	25			
<b>Roadway Condition Information</b>					
Condition	Fair	Fair			
Remaining Service Life (years)	3	3			
Cost Estimate	\$200	\$100			
CRV	\$25800	\$14600			



ROUTE: 103 Castle Rock Road

TOTAL LENGTH: 0.16 Miles

ASSET: 10009731

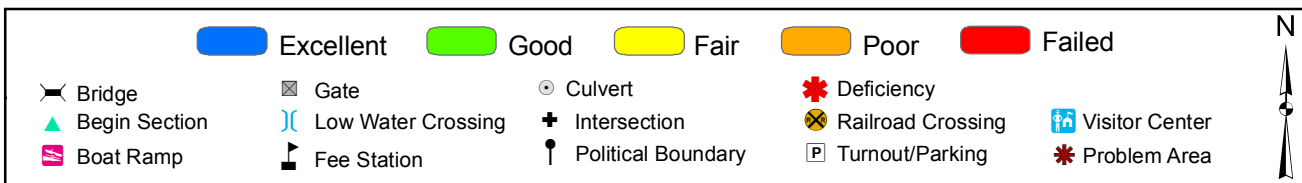
RTE DESCRIPTION: From Vista Road to Casle Rock Parking Area (Route 905)

Section Number	001				
Section Length (miles)	0.16				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	14				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$500				
CRV	\$105200				





0 0.1 0.2  
Miles



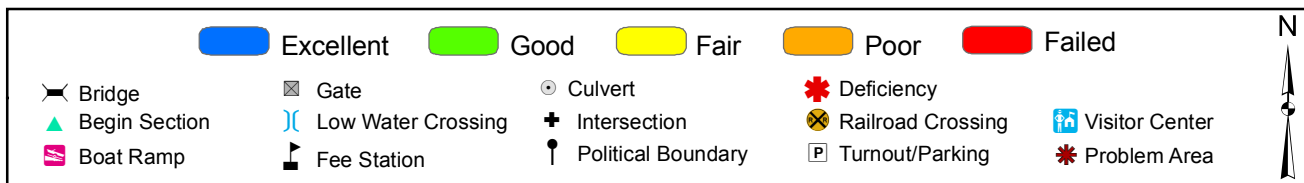
ROUTE: 104 Mesquite Bay Phase 2 Road

TOTAL LENGTH: 0.18 Miles

ASSET: 10009731

RTE DESCRIPTION: From London Bridge Road (Old State Hwy 95) to Mesquite Bay Phase 2 Parking Area (Route 908)

Section Number	001				
Section Length (miles)	0.18				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	20				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$300				
CRV	\$124300				



ROUTE: 105 Catfish Paradise Access Road TOTAL LENGTH: 0.25 Miles

ASSET: 10009731

RTE DESCRIPTION: From Oatman-Topock Highway (Old US-66) to Catfish Paradise Parking Area (Route 904)

Section Number	001	002			
Section Length (miles)	0.12	0.13			
Inspection Date	4/7/2008	4/7/2008			
<b>Section Information</b>					
Surface Type	Gravel	Gravel			
Number of Lanes	1	2			
Roadway Width (feet)	14	20			
<b>Roadway Condition Information</b>					
Condition	Good	Good			
Remaining Service Life (years)	5	5			
Cost Estimate	\$200	\$200			
CRV	\$83300	\$85400			





0 0.1 0.2 Miles

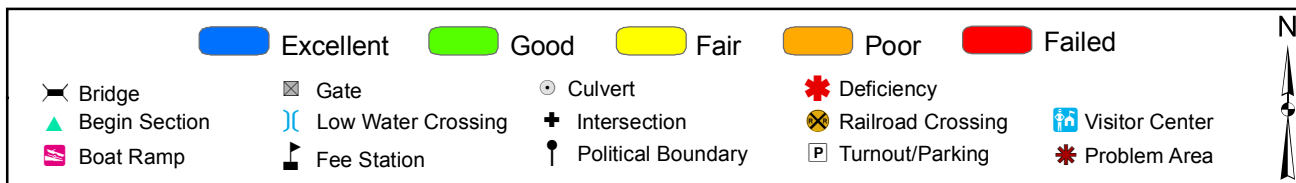
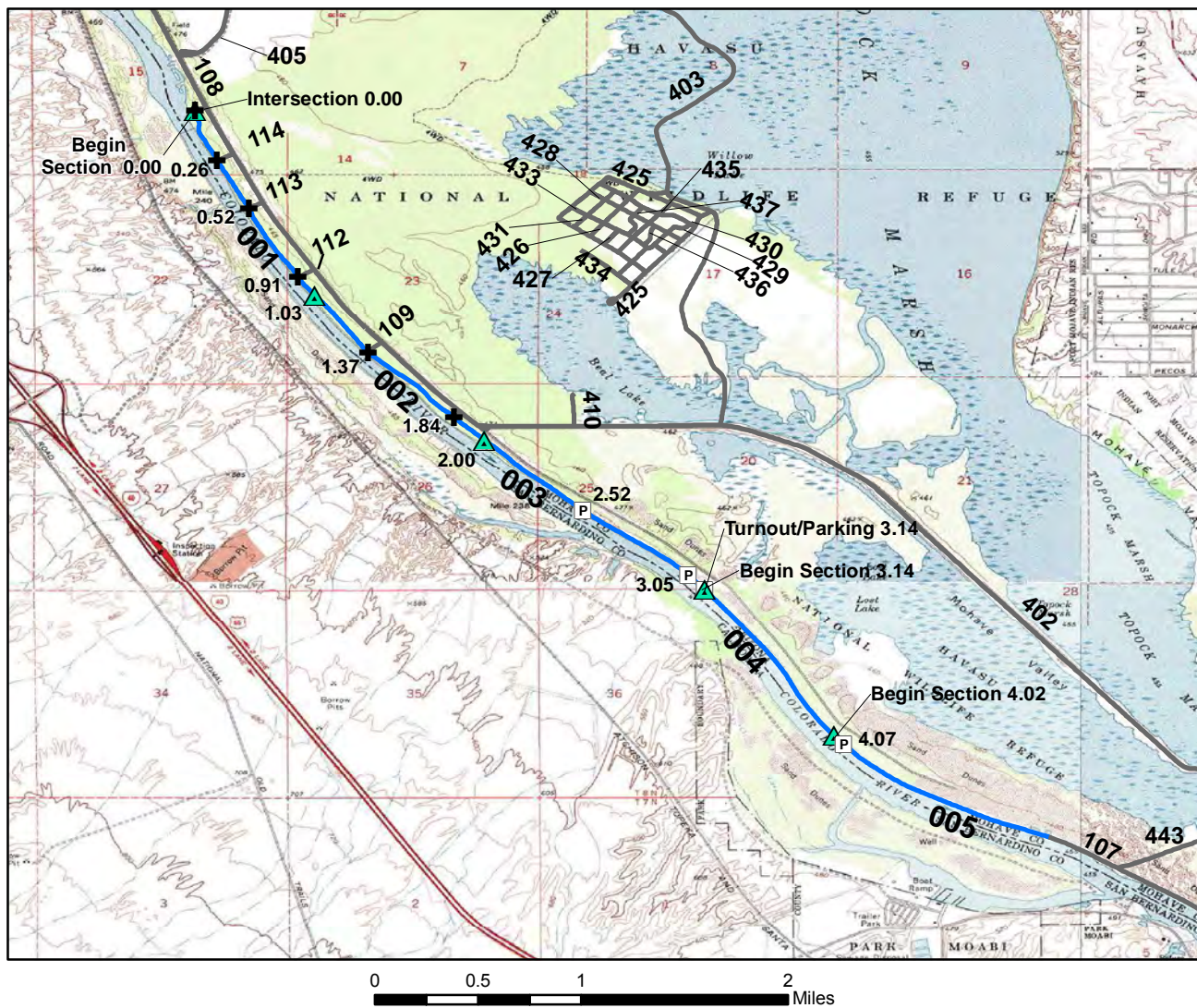
	Bridge		Gate		Culvert		Deficiency		Railroad Crossing		Visitor Center		Problem Area
	Begin Section		Low Water Crossing		Intersection		Turnout/Parking						
	Boat Ramp		Fee Station		Political Boundary								

ROUTE: 106 New South Dike Access Road TOTAL LENGTH: 0.11 Miles

ASSET: 10009731

RTE DESCRIPTION: From Oatman-Topock Highway (Old US-66) to New South Dike Road (Route 443) and New South Dike Parking Area (Route 906)

Section Number	001				
Section Length (miles)	0.11				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	20				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$200				
CRV	\$76800				



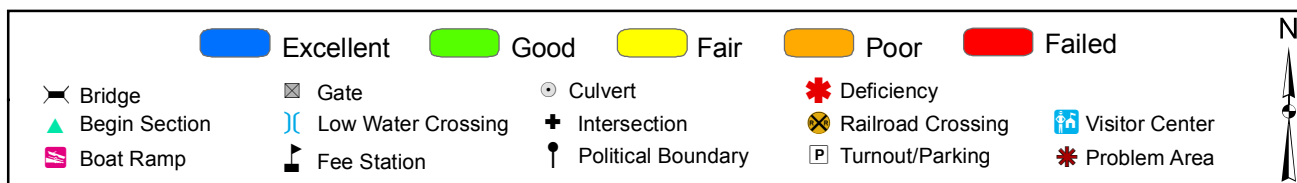
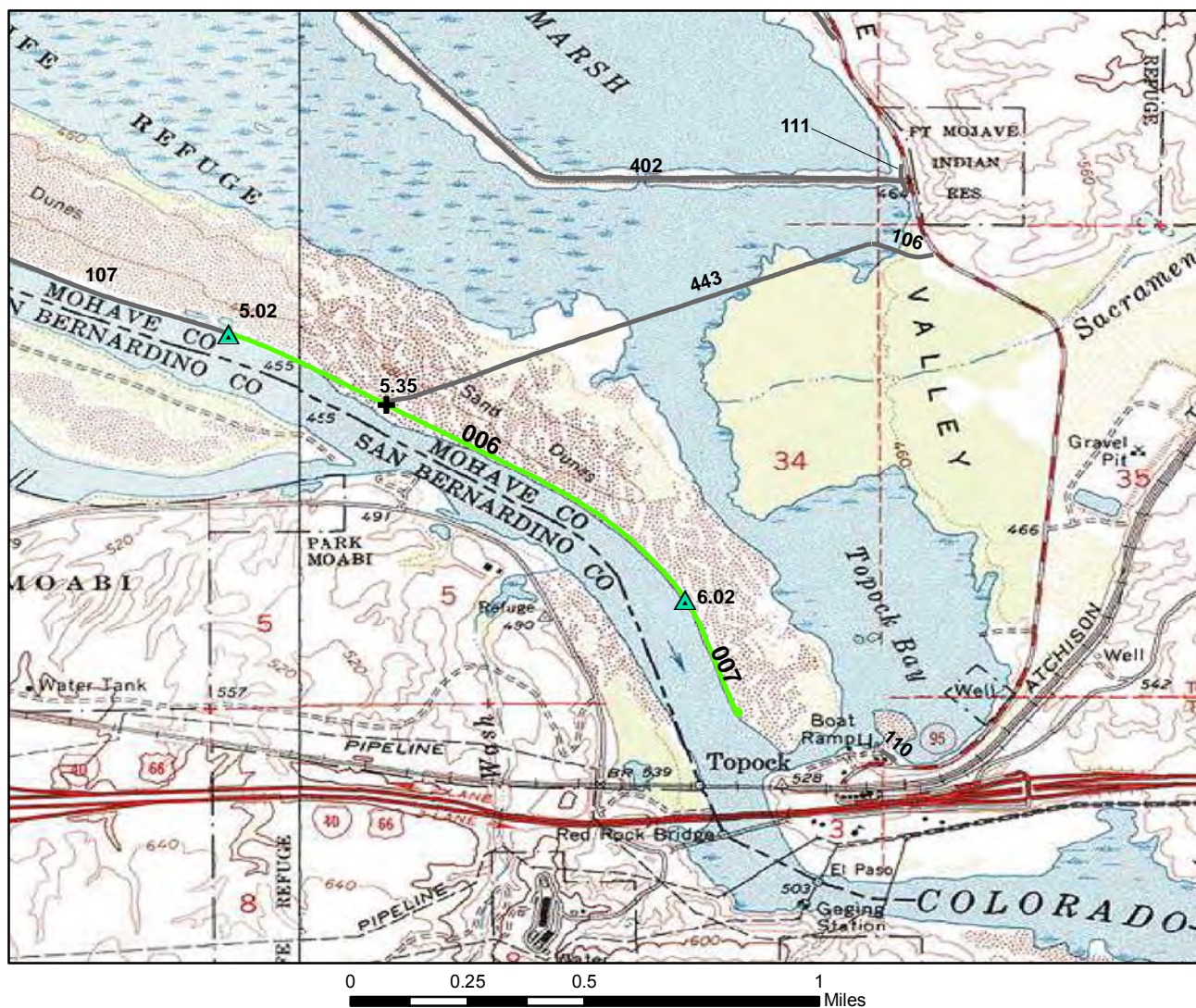
ROUTE: 107 Lower Levee Road TOTAL LENGTH: 6.30 Miles

ASSET: 10009731

RTE DESCRIPTION: From Upper Levee Cut Across Road 6 (Route 115) to end of loop

Section Number	001	002	003	004	005
Section Length (miles)	1.03	0.98	1.14	0.88	1.00
Inspection Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008	4/8/2008
<b>Section Information</b>					
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel
Number of Lanes	2	2	2	2	2
Roadway Width (feet)	16	16	16	16	16
<b>Roadway Condition Information</b>					
Condition	Excellent	Excellent	Excellent	Excellent	Excellent
Remaining Service Life (years)	8	8	8	8	8
Cost Estimate	\$0	\$0	\$0	\$0	\$0
CRV	\$689300	\$657000	\$765900	\$590000	\$672800





ROUTE: 107 Lower Levee Road

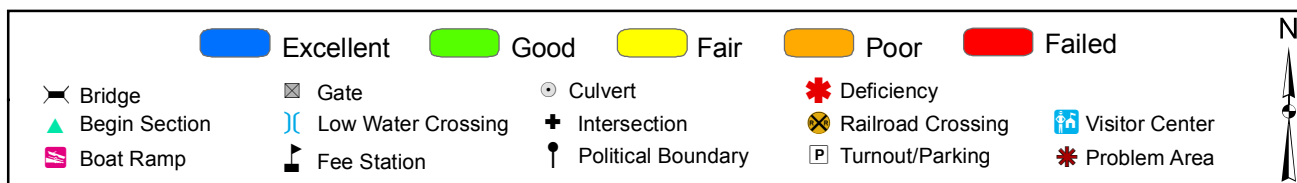
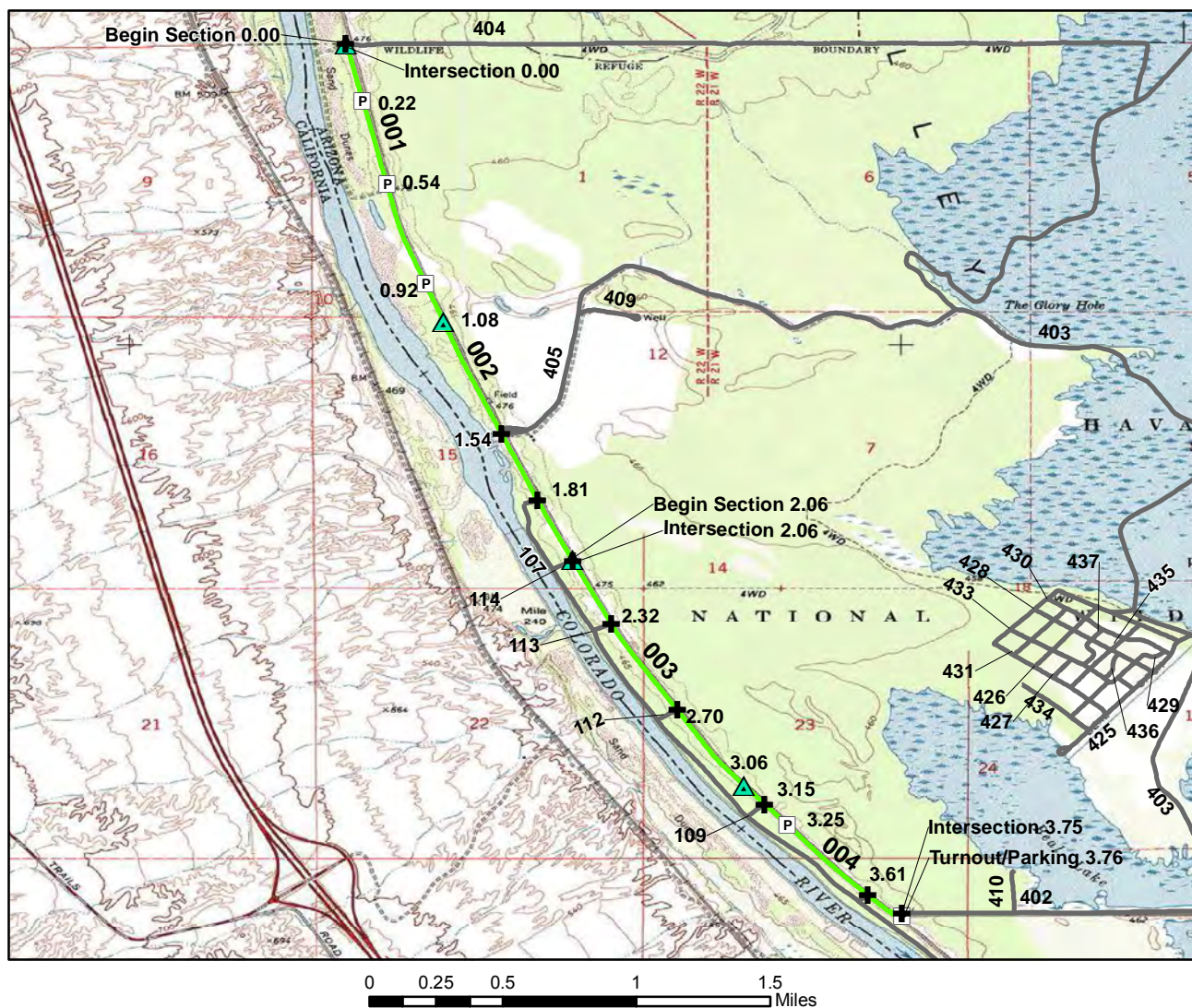
TOTAL LENGTH: 6.30 Miles

ASSET: 10009731

RTE DESCRIPTION: From Upper Levee Cut Across Road 6 (Route 115) to end of loop

Section Number	006	007			
Section Length (miles)	0.99	0.28			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Gravel	Gravel			
Number of Lanes	2	2			
Roadway Width (feet)	16	16			
<b>Roadway Condition Information</b>					
Condition	Good	Good			
Remaining Service Life (years)	7	7			
Cost Estimate	\$1600	\$400			
CRV	\$668300	\$190900			





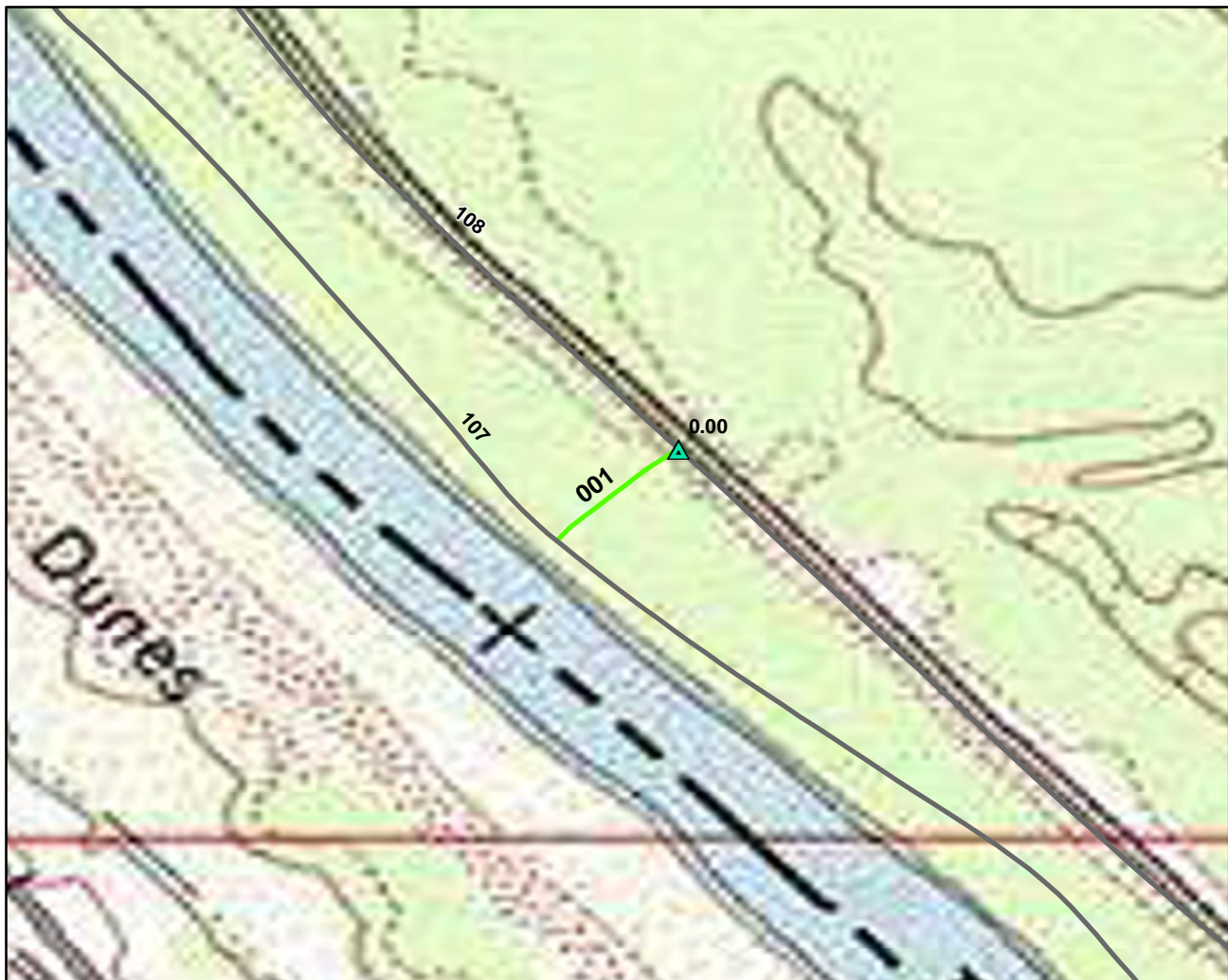
ROUTE: 108 Upper Levee Road

TOTAL LENGTH: 3.81 Miles

ASSET: 10009731

RTE DESCRIPTION: From end of Mohave Valley Drive at Refuge Boundary to Upper Levee Road Parking (Route 912)

Section Number	001	002	003	004
Section Length (miles)	1.08	0.98	1.00	0.75
Inspection Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008
<b>Section Information</b>				
Surface Type	Gravel	Gravel	Gravel	Gravel
Number of Lanes	2	2	2	2
Roadway Width (feet)	20	20	20	20
<b>Roadway Condition Information</b>				
Condition	Good	Good	Good	Good
Remaining Service Life (years)	7	7	7	7
Cost Estimate	\$1700	\$1500	\$1600	\$1200
CRV	\$726200	\$656100	\$671500	\$506000



0 0.1 0.2 Miles

	Excellent		Good		Fair		Poor		Failed
	Bridge		Gate		Culvert		Deficiency		Railroad Crossing
	Begin Section		Low Water Crossing		Intersection		Visitor Center		Turnout/Parking
	Boat Ramp		Fee Station		Political Boundary		Problem Area		



ROUTE: 109 Upper Levee Cut Across Road 2

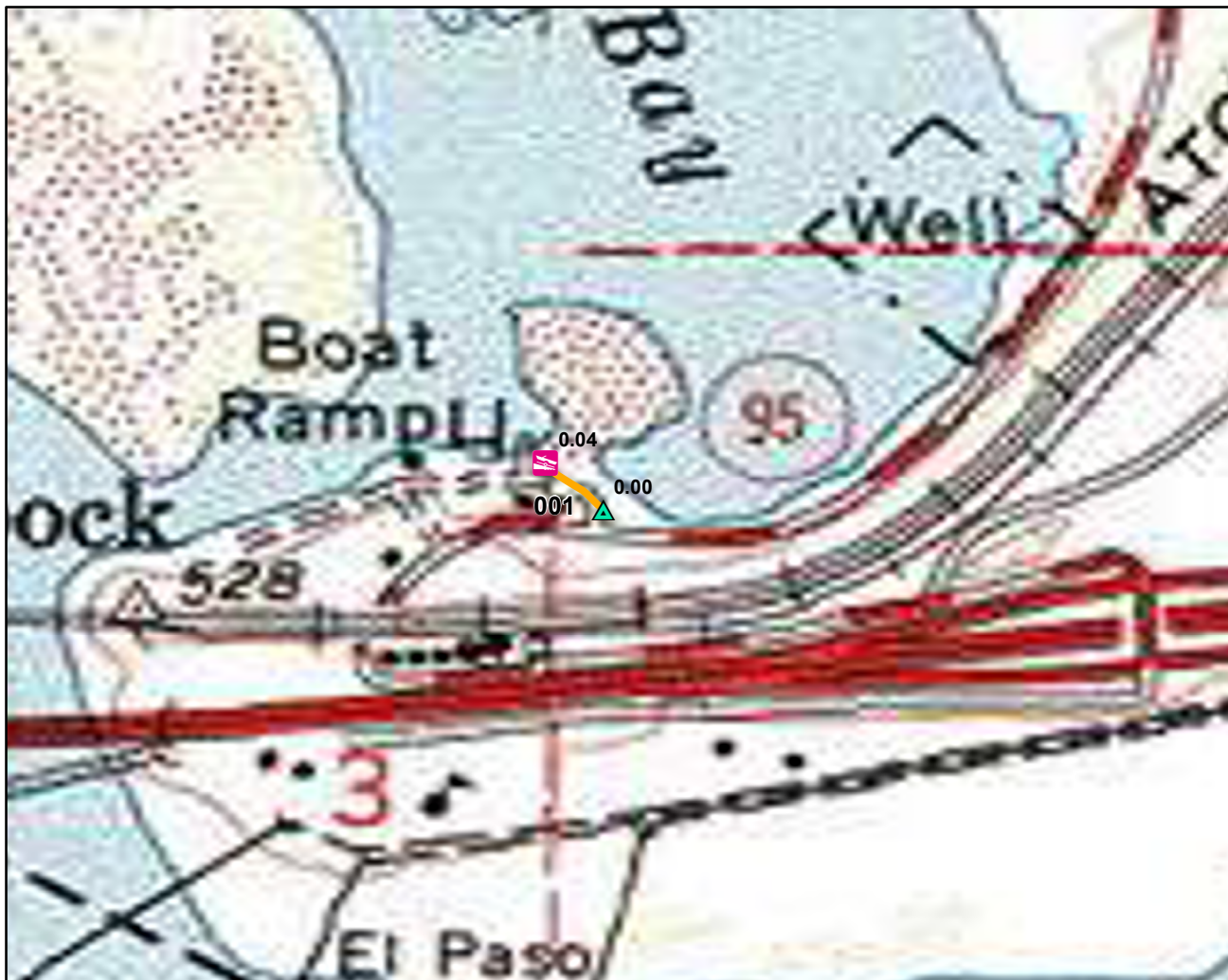
TOTAL LENGTH: 0.07 Miles

ASSET: 10009731

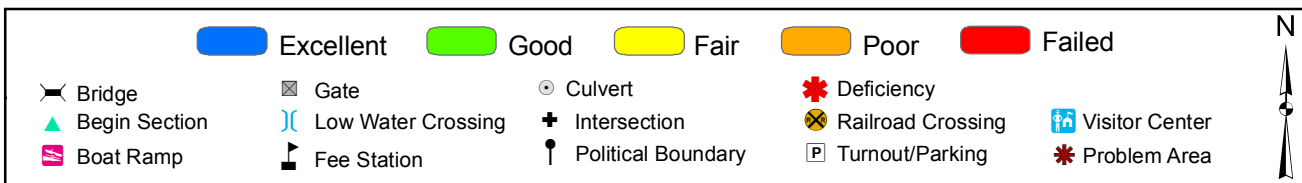
RTE DESCRIPTION: From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)

Section Number	001				
Section Length (miles)	0.07				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	16				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$100				
CRV	\$47600				





0 0.1 0.2 Miles



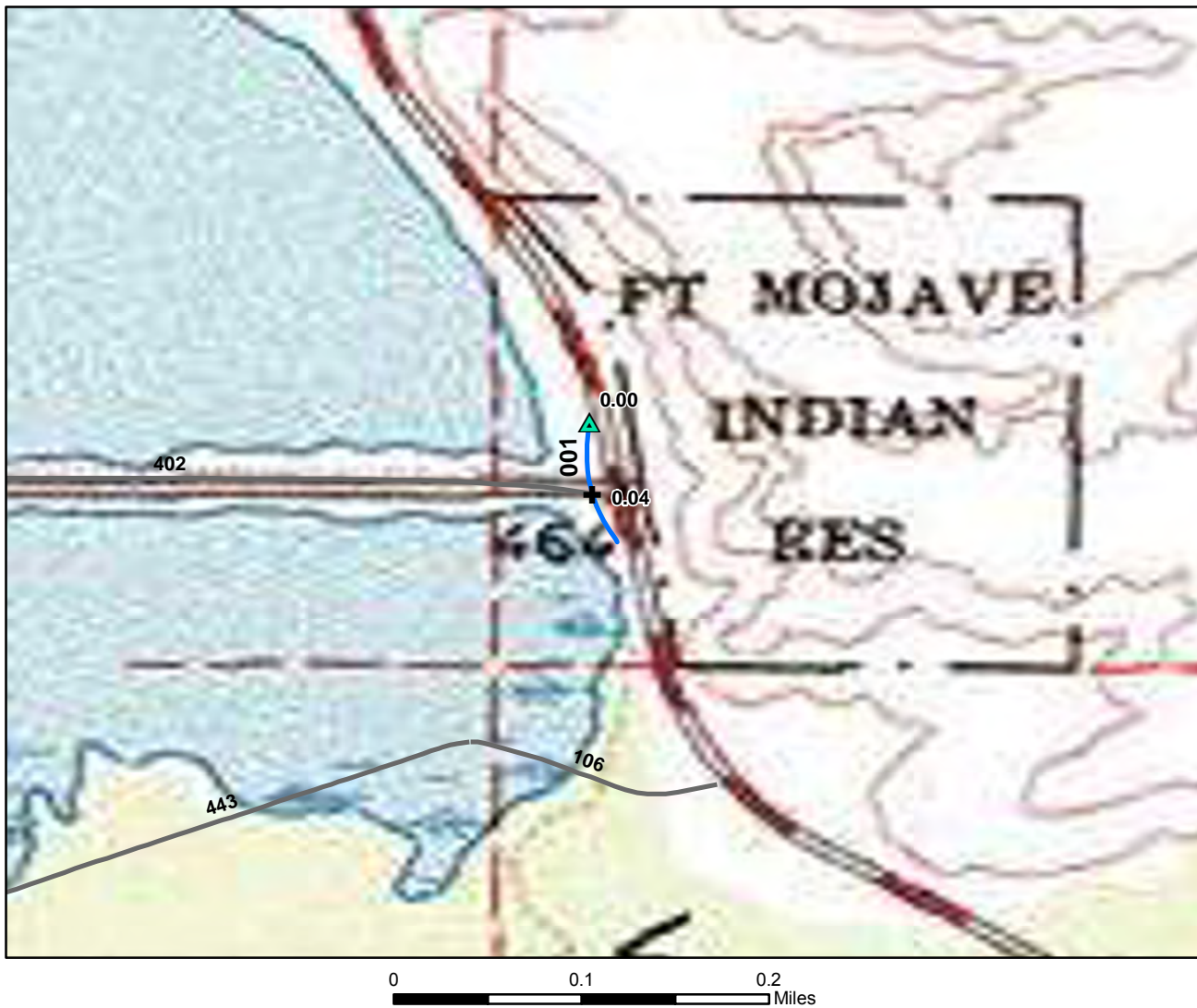
ROUTE: 110 Topock Marina Road

TOTAL LENGTH: 0.03 Miles

ASSET: 10009808

RTE DESCRIPTION: From Oatman-Topock Highway (Old US-66) to boat launch at River

Section Number	001				
Section Length (miles)	0.03				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Asphalt				
Number of Lanes	2				
Roadway Width (feet)	18				
<b>Roadway Condition Information</b>					
Condition	Poor				
Remaining Service Life (years)	4				
Cost Estimate	\$20000				
CRV	\$40600				



<div> <div>Excellent</div> <div>Good</div> <div>Fair</div> <div>Poor</div> <div>Failed</div> </div>		<div> <div>Bridge</div> <div>Gate</div> <div>Culvert</div> <div>Deficiency</div> <div>Railroad Crossing</div> <div>Visitor Center</div> <div>Boat Ramp</div> <div>Low Water Crossing</div> <div>Intersection</div> <div>Turnout/Parking</div> <div>Fee Station</div> <div>Political Boundary</div> <div>Problem Area</div> </div>		<div> <div>N</div> </div>	
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ROUTE: 111 South Dike Public Access Road TOTAL LENGTH: 0.07 Miles

ASSET: 10009731

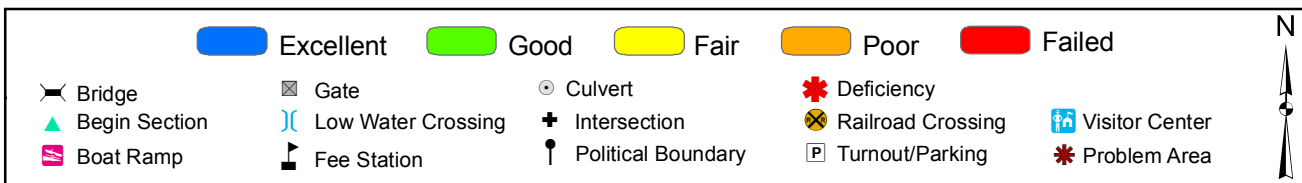
RTE DESCRIPTION: From Oatman-Topock Highway (Old US-66) to Oatman-Topock Highway (Old US-66)

Section Number	001				
Section Length (miles)	0.07				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	18				
<b>Roadway Condition Information</b>					
Condition	Excellent				
Remaining Service Life (years)	8				
Cost Estimate	\$0				
CRV	\$44400				





0 0.1 0.2 Miles



ROUTE: 112 Upper Levee Cut Across Road 3 TOTAL LENGTH: 0.07 Miles

ASSET: 10009731

RTE DESCRIPTION: From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)

Section Number	001				
Section Length (miles)	0.07				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	16				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$100				
CRV	\$48900				



<div> <div>Excellent</div> <div>Good</div> <div>Fair</div> <div>Poor</div> <div>Failed</div> </div>		<div> <div>Bridge</div> <div>Gate</div> <div>Culvert</div> <div>Deficiency</div> <div>Railroad Crossing</div> <div>Visitor Center</div> <div>Boat Ramp</div> <div>Low Water Crossing</div> <div>Intersection</div> <div>Railroad Crossing</div> <div>Turnout/Parking</div> <div>Fee Station</div> <div>Political Boundary</div> <div>Problem Area</div> </div>		<div> <div>N</div> </div>	
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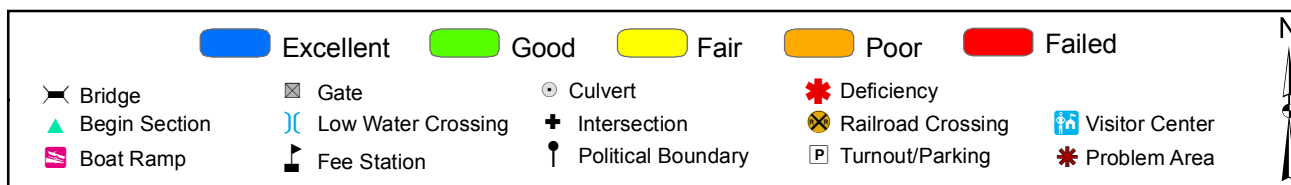
ROUTE: 113 Upper Levee Cut Across Road 4 TOTAL LENGTH: 0.06 Miles

ASSET: 10009731

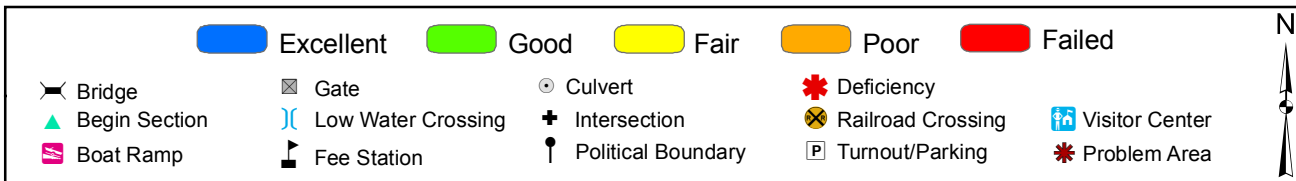
RTE DESCRIPTION: From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)

Section Number	001				
Section Length (miles)	0.06				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	16				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$100				
CRV	\$40100				





**RTE DESCRIPTION:** From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)



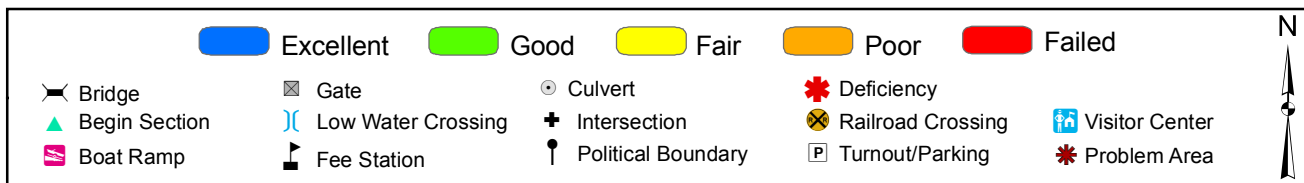
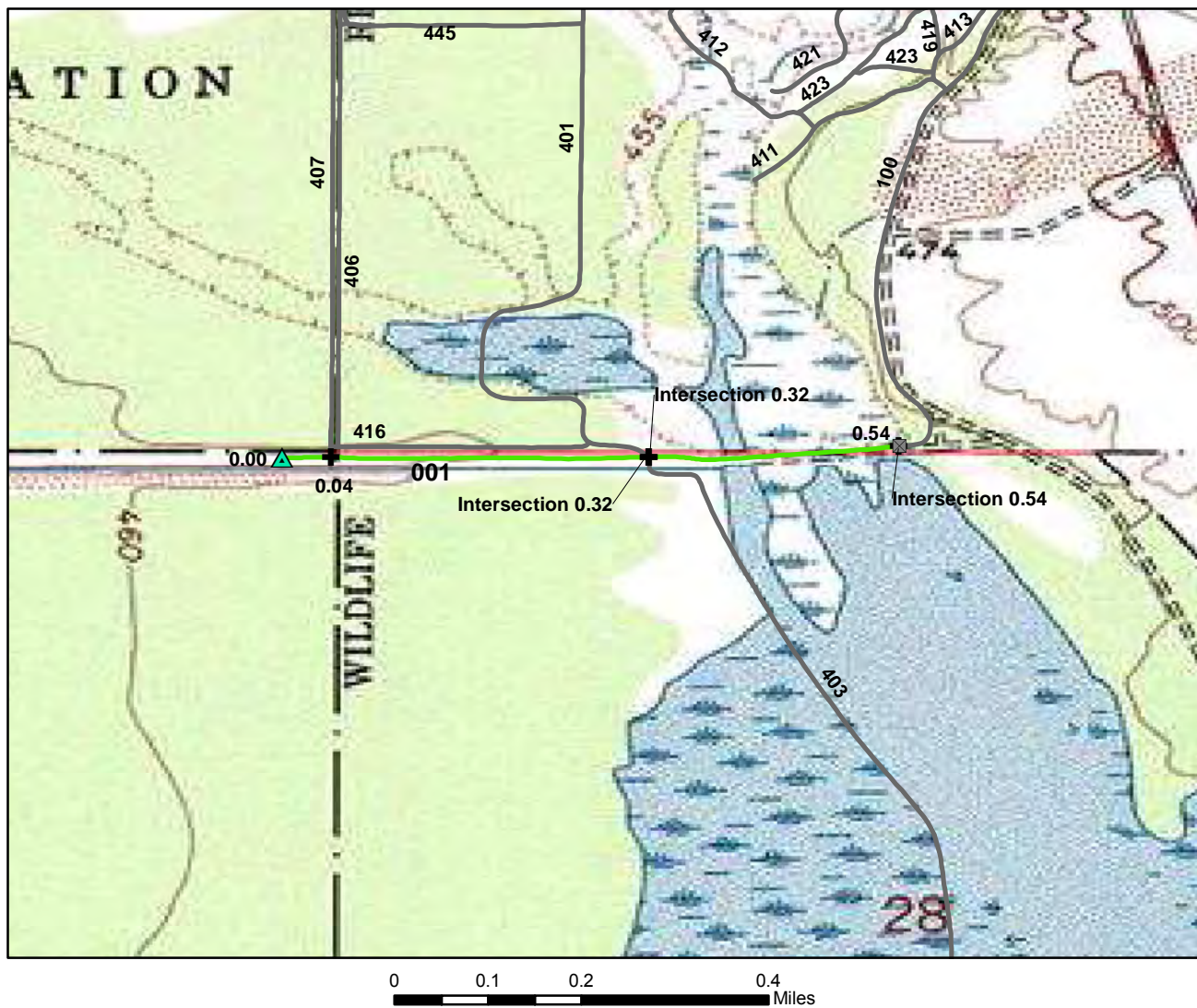
ROUTE: 115      Upper Levee Cut Across Road 6      TOTAL LENGTH: 0.04 Miles

ASSET: 10009731

RTE DESCRIPTION: From Upper Levee Road (Route 108) to Lower Levee Road (Route 107)

Section Number	001				
Section Length (miles)	0.04				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	16				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$100				
CRV	\$29800				





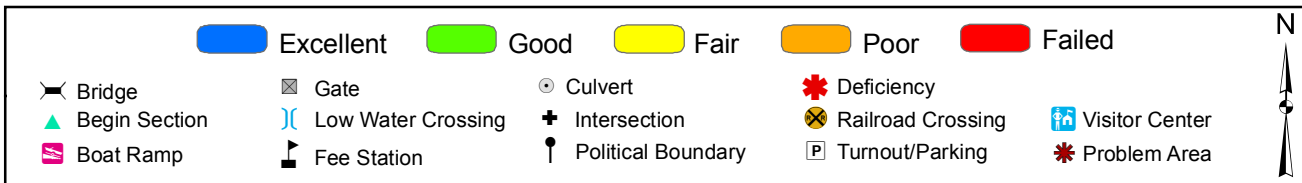
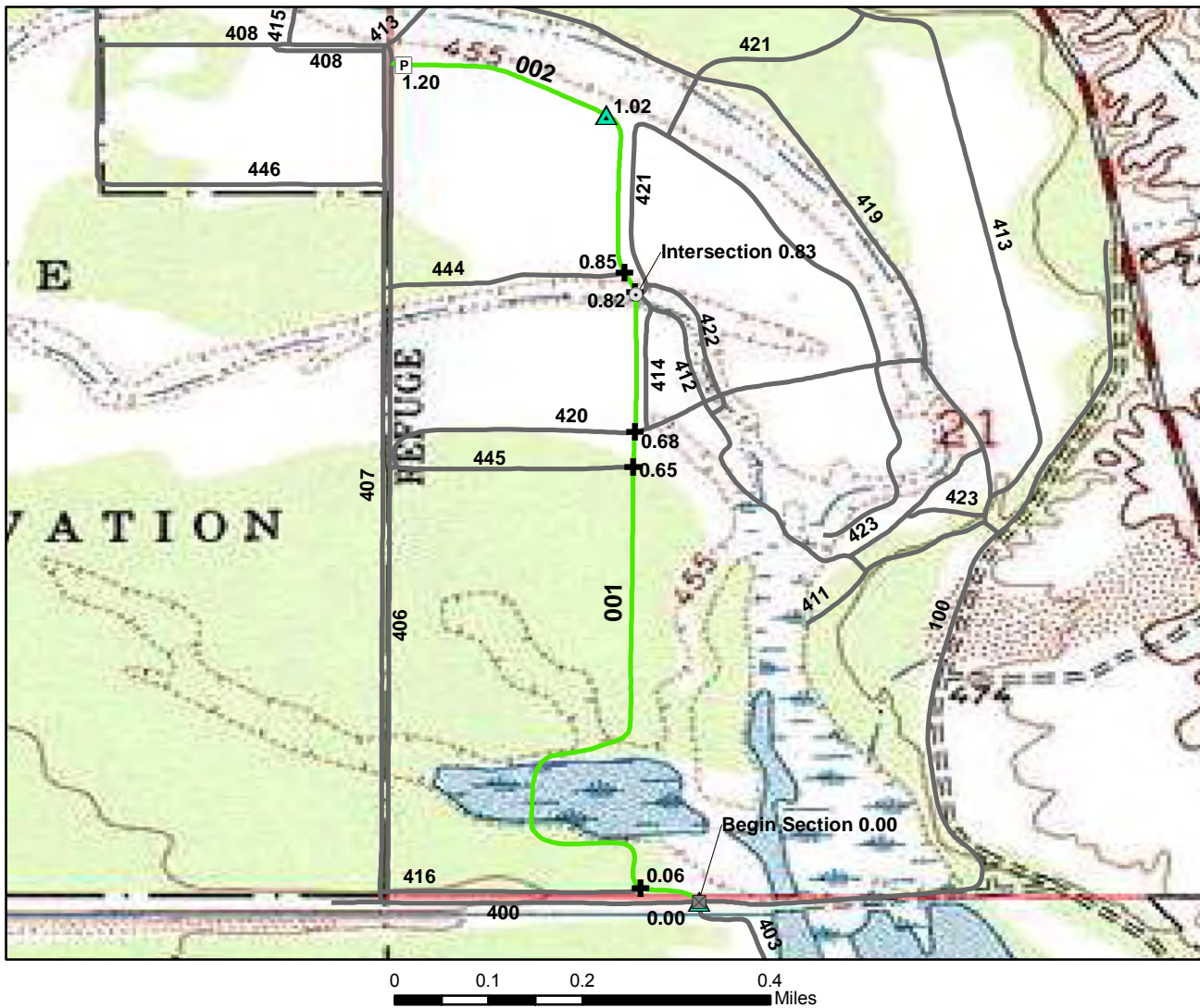
ROUTE: 400 North Dike Road TOTAL LENGTH: 0.54 Miles

ASSET: 10009723

From North Dike Public Access Road (Route 100)

RTE DESCRIPTION: and North Dike Parking Area (Route 903) to end of route

Section Number	001				
Section Length (miles)	0.54				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	14				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	6				
Cost Estimate	\$900				
CRV	\$365500				



ROUTE: 401 Pintail Slough Road 5

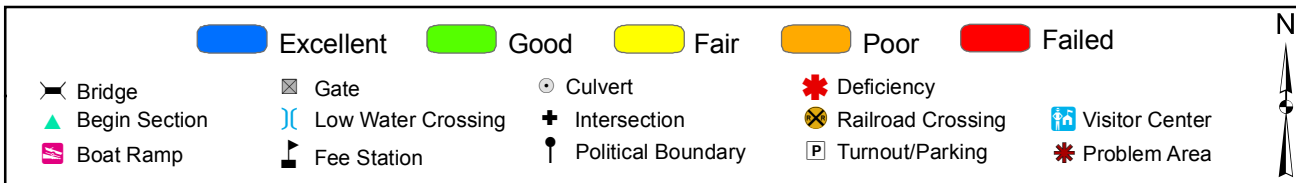
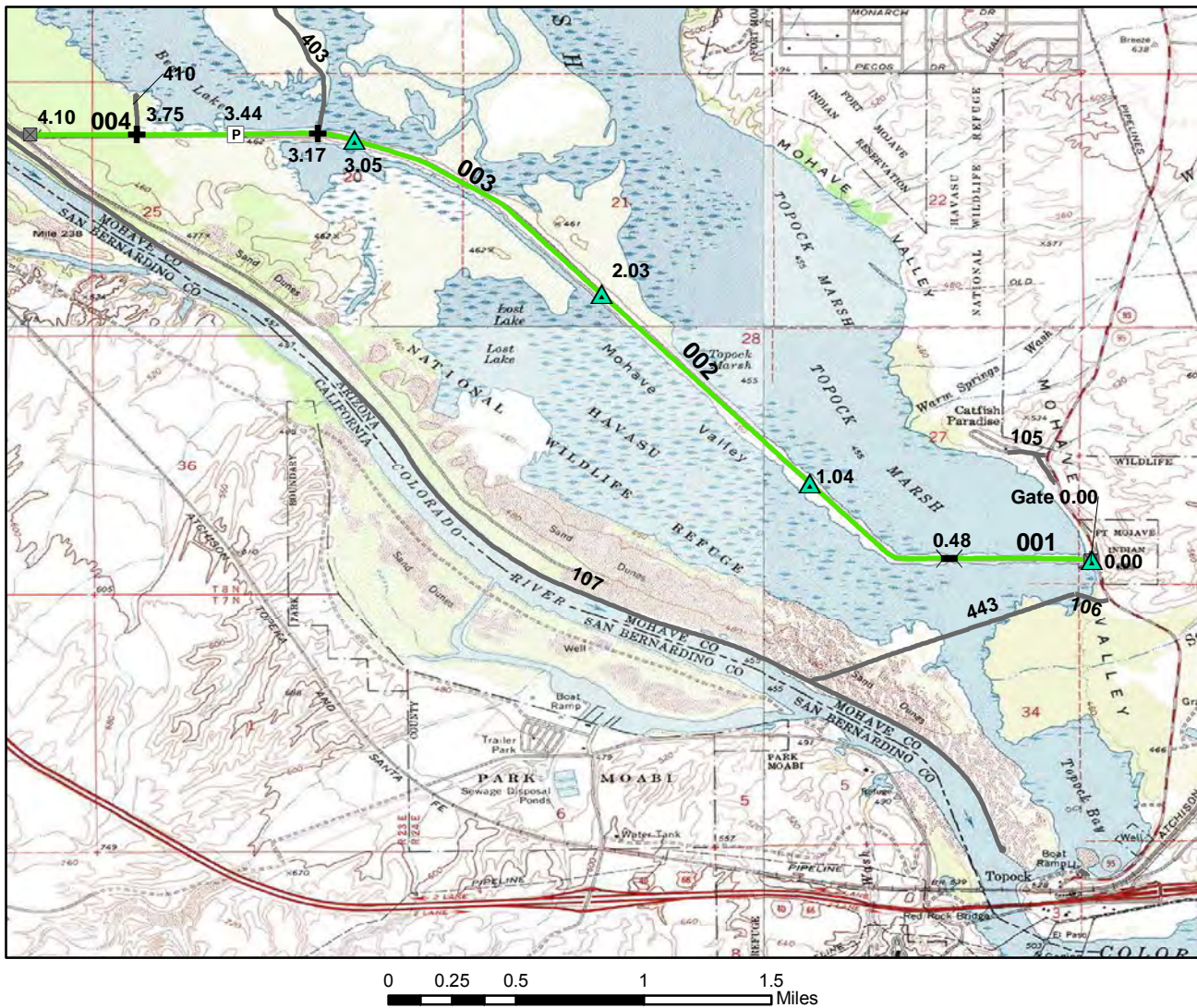
TOTAL LENGTH: 1.22 Miles

ASSET: 10009723

RTE DESCRIPTION: From North Dike Road (Route 400) to Pintail Slough 3 East Access Road (Route 406)

Section Number	001	002			
Section Length (miles)	1.02	0.20			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Gravel	Gravel			
Number of Lanes	1	1			
Roadway Width (feet)	12	12			
<b>Roadway Condition Information</b>					
Condition	Good	Good			
Remaining Service Life (years)	5	5			
Cost Estimate	\$1600	\$300			
CRV	\$683100	\$134800			





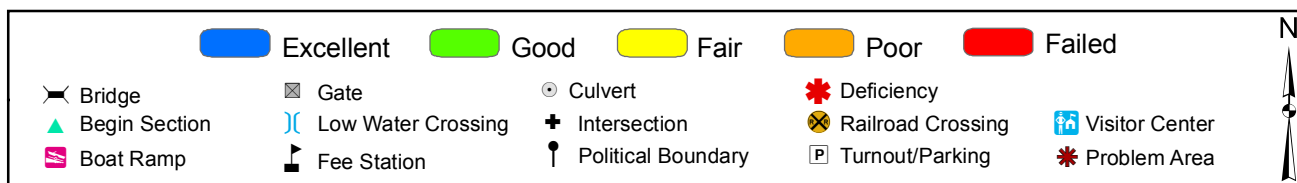
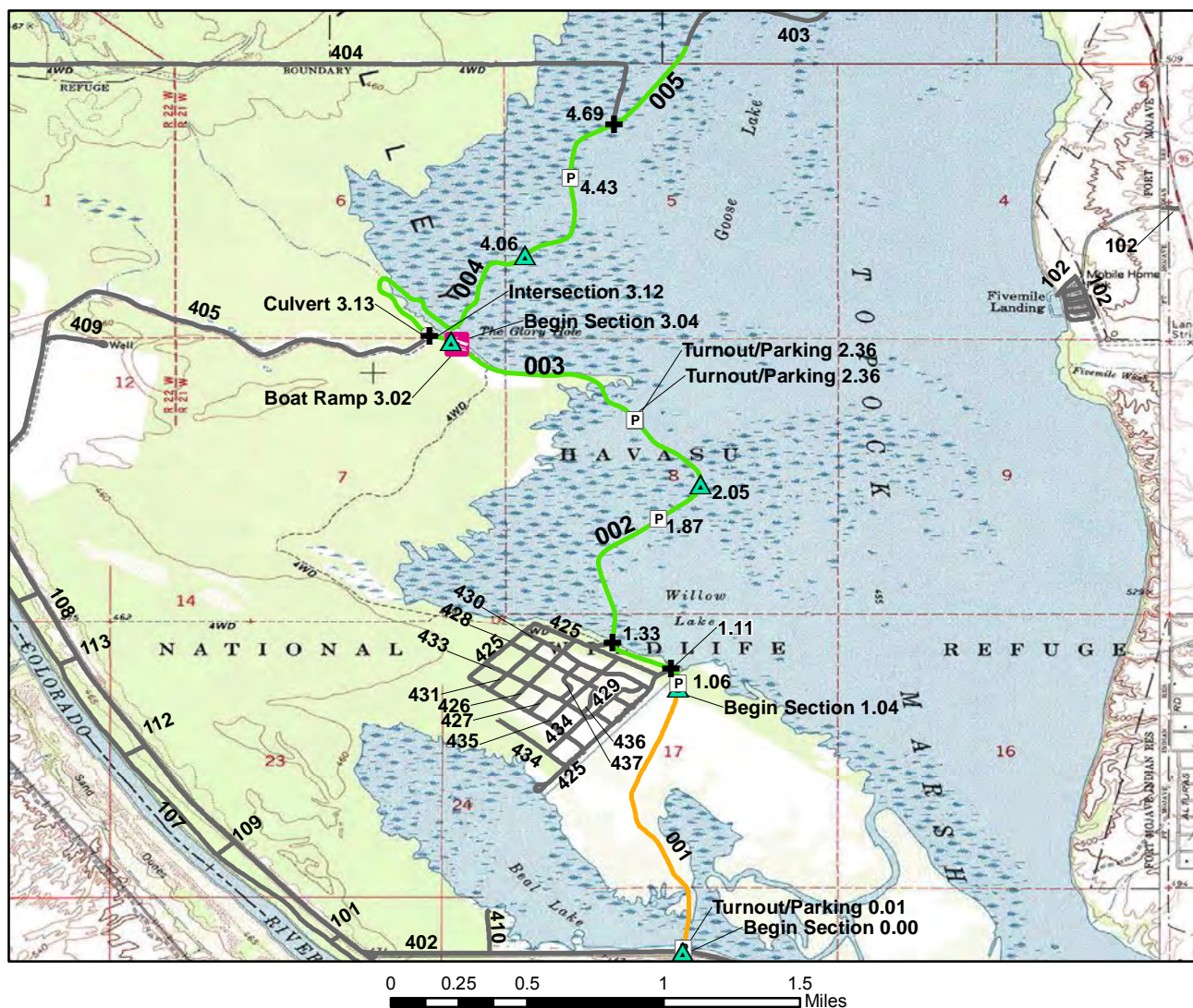
ROUTE: 402 South Dike Road TOTAL LENGTH: 4.10 Miles

ASSET: 10009813

RTE DESCRIPTION: From South Dike Public Access Road (Route 111) to Upper Levee Road (Route 108)

Section Number	001	002	003	004
Section Length (miles)	1.04	1.00	1.02	1.05
Inspection Date	4/7/2008	4/7/2008	4/7/2008	4/7/2008
<b>Section Information</b>				
Surface Type	Gravel	Gravel	Gravel	Gravel
Number of Lanes	2	2	2	2
Roadway Width (feet)	20	20	20	20
<b>Roadway Condition Information</b>				
Condition	Good	Good	Good	Good
Remaining Service Life (years)	6	6	6	6
Cost Estimate	\$1600	\$1600	\$1600	\$1700
CRV	\$696800	\$669100	\$683700	\$705100





ROUTE: 403 Interior Road

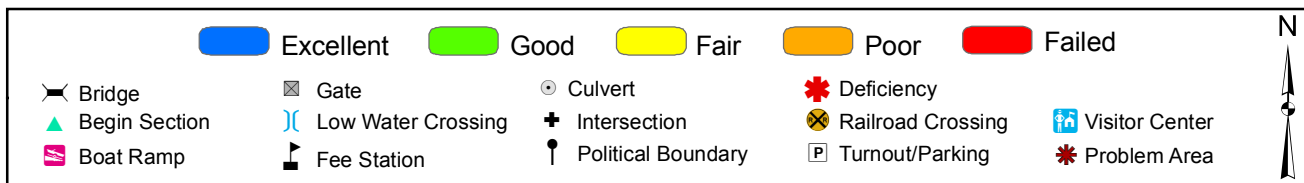
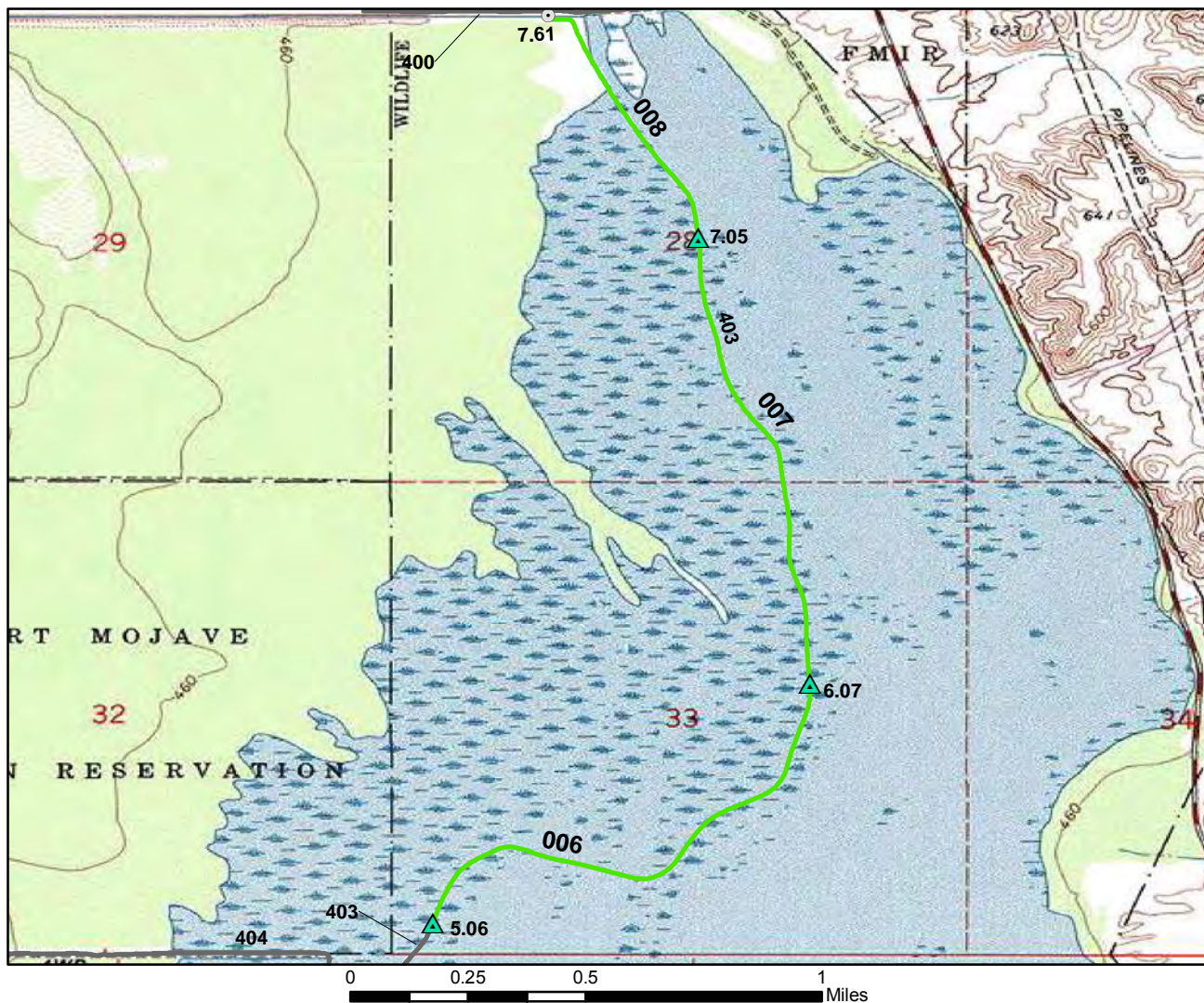
TOTAL LENGTH: 7.62 Miles

ASSET: 10009723

RTE DESCRIPTION: From South Dike Road (Route 402) to North Dike Road (Route 400)

Section Number	001	002	003	004	005
Section Length (miles)	1.04	1.01	0.99	1.02	0.99
Inspection Date	4/7/2008	4/7/2008	4/7/2008	4/7/2008	4/7/2008
<b>Section Information</b>					
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel
Number of Lanes	1	1	1	2	2
Roadway Width (feet)	14	14	14	16	16
<b>Roadway Condition Information</b>					
Condition	Poor	Good	Good	Good	Good
Remaining Service Life (years)	2	5	5	6	6
Cost Estimate	\$129500	\$1600	\$1600	\$1600	\$1600
CRV	\$699200	\$681500	\$665800	\$685600	\$666900





ROUTE: 403 Interior Road

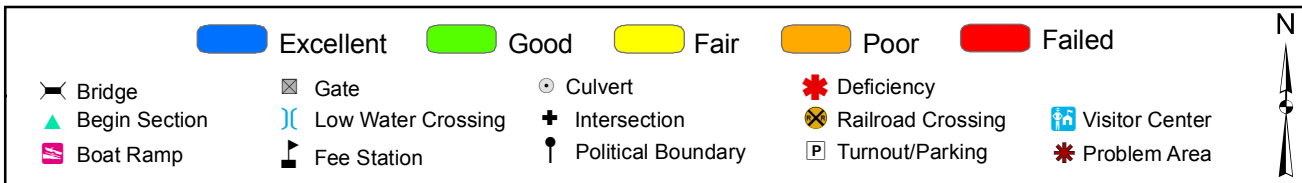
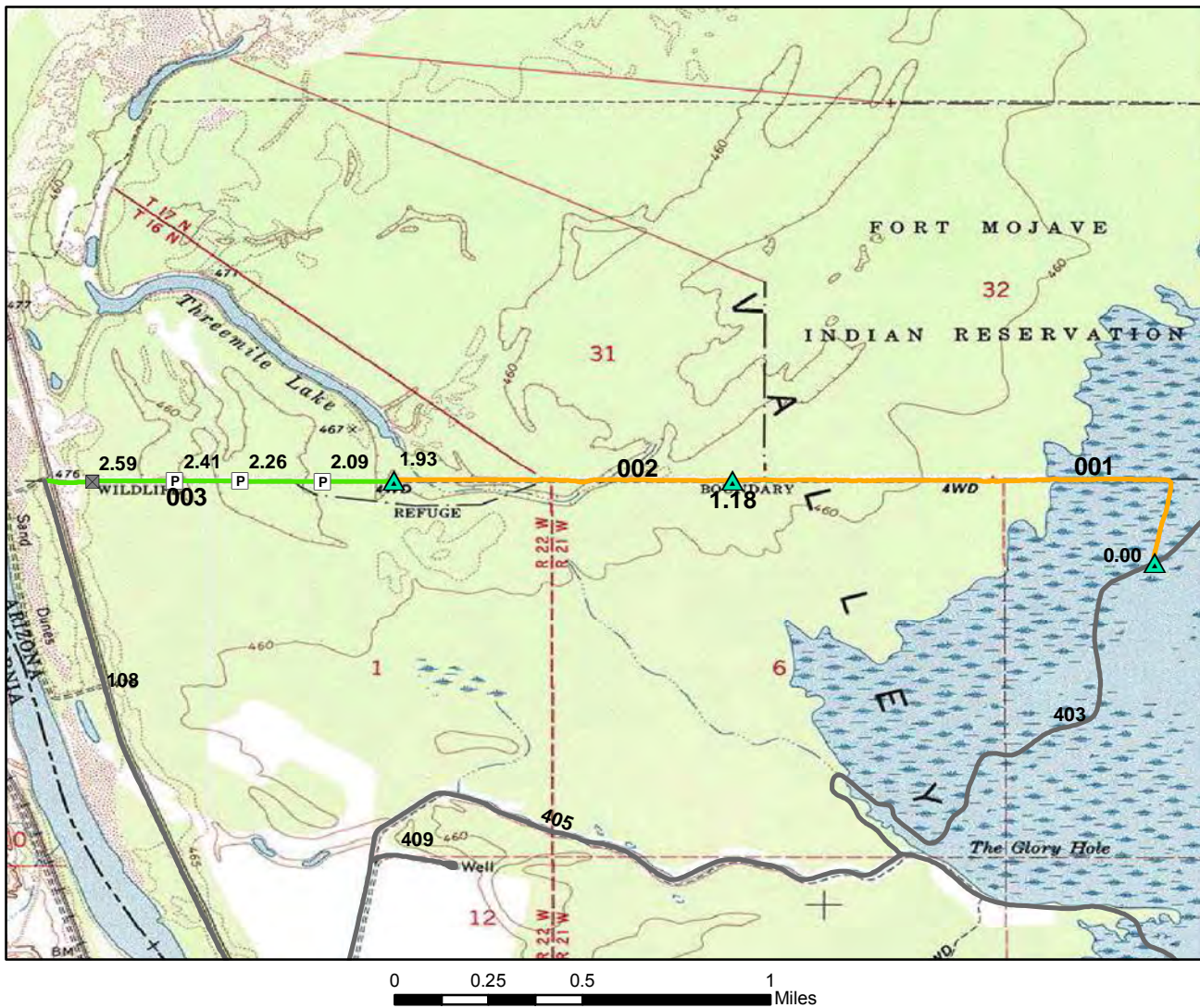
TOTAL LENGTH: 7.62 Miles

ASSET: 10009723

RTE DESCRIPTION: From South Dike Road (Route 402) to North Dike Road (Route 400)

Section Number	006	007	008		
Section Length (miles)	1.01	0.98	0.57		
Inspection Date	4/7/2008	4/7/2008	4/7/2008		
<b>Section Information</b>					
Surface Type	Gravel	Gravel	Gravel		
Number of Lanes	2	2	2		
Roadway Width (feet)	16	16	16		
<b>Roadway Condition Information</b>					
Condition	Good	Good	Good		
Remaining Service Life (years)	6	6	6		
Cost Estimate	\$1600	\$1500	\$900		
CRV	\$678300	\$659300	\$385800		





ROUTE: 404 Fire Break Road

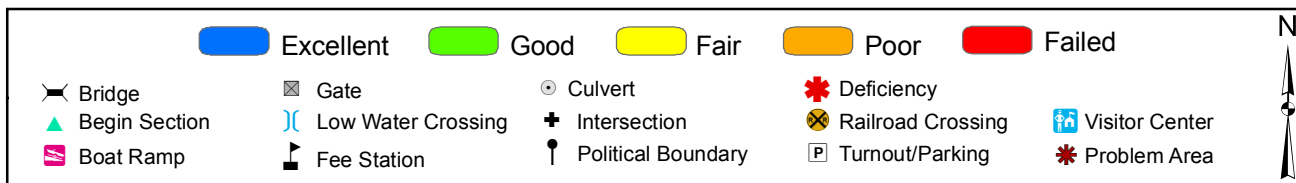
TOTAL LENGTH: 2.70 Miles

ASSET:

RTE DESCRIPTION: From Interior Road (Route 403) to Upper Levee Road (Route 108)

Section Number	001	002	003		
Section Length (miles)	1.18	0.74	0.77		
Inspection Date	4/7/2008	4/7/2008	4/7/2008		
<b>Section Information</b>					
Surface Type	Primitive	Primitive	Native		
Number of Lanes	1	1	1		
Roadway Width (feet)	10	10	10		
<b>Roadway Condition Information</b>					
Condition	Poor	Poor	Good		
Remaining Service Life (years)	2	2	5		
Cost Estimate	\$1200	\$800	\$1300		
CRV	\$0	\$0	\$266900		



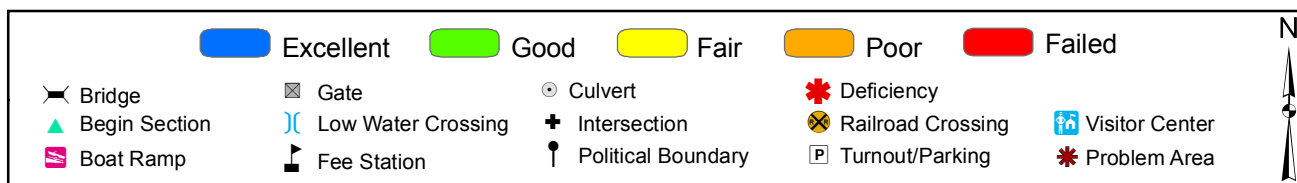
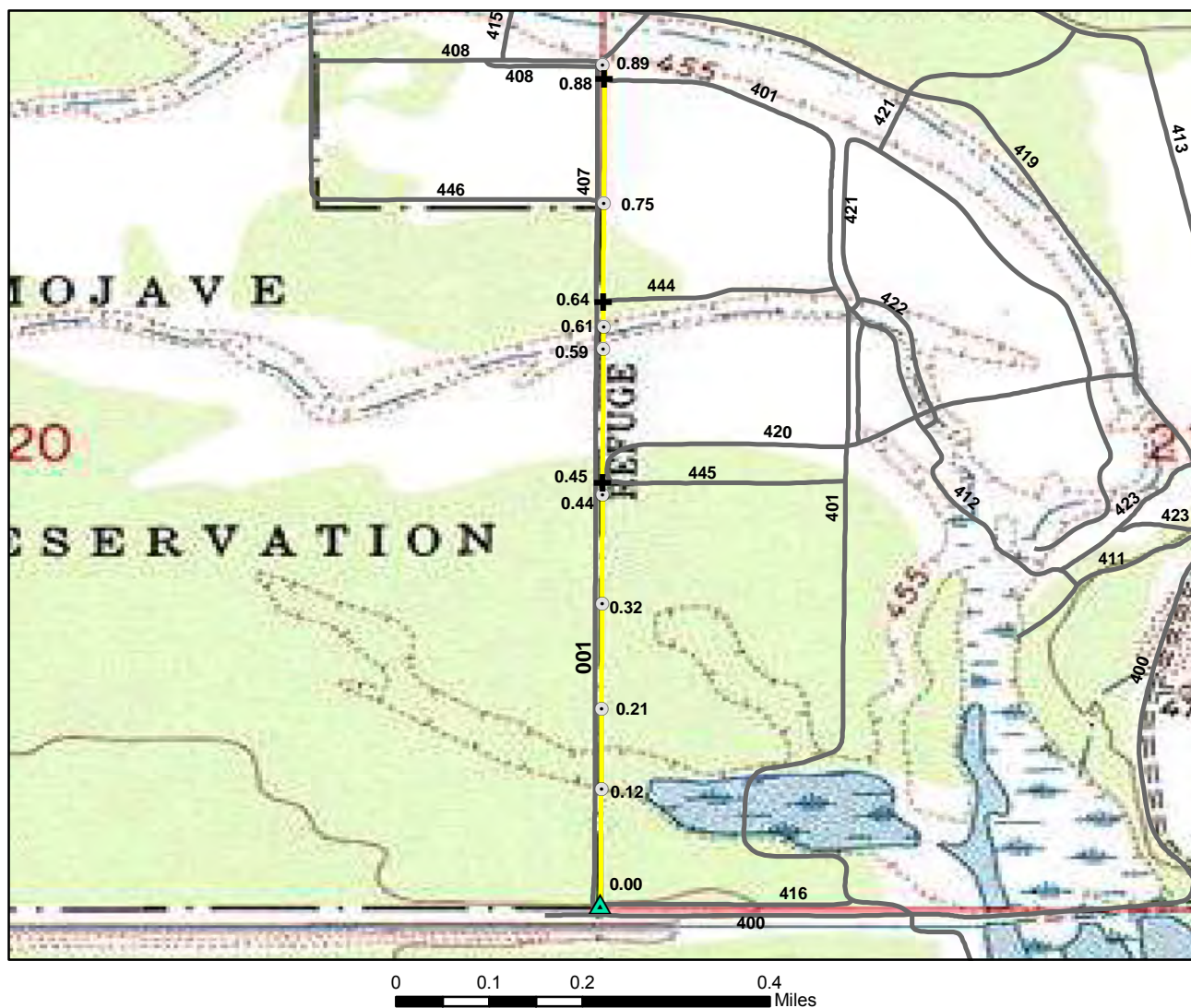


ROUTE: 405 Farm Ditch Road TOTAL LENGTH: 2.01 Miles

ASSET: 10009812

RTE DESCRIPTION: From Interior Road (Route 403) to Upper Levee Road (Route 108)

Section Number	001	002	003		
Section Length (miles)	1.01	0.92	0.08		
Inspection Date	4/8/2008	4/8/2008	4/8/2008		
<b>Section Information</b>					
Surface Type	Gravel	Gravel	Gravel		
Number of Lanes	2	2	2		
Roadway Width (feet)	20	20	20		
<b>Roadway Condition Information</b>					
Condition	Good	Good	Good		
Remaining Service Life (years)	5	5	7		
Cost Estimate	\$1600	\$1400	\$100		
CRV	\$678700	\$618000	\$56300		



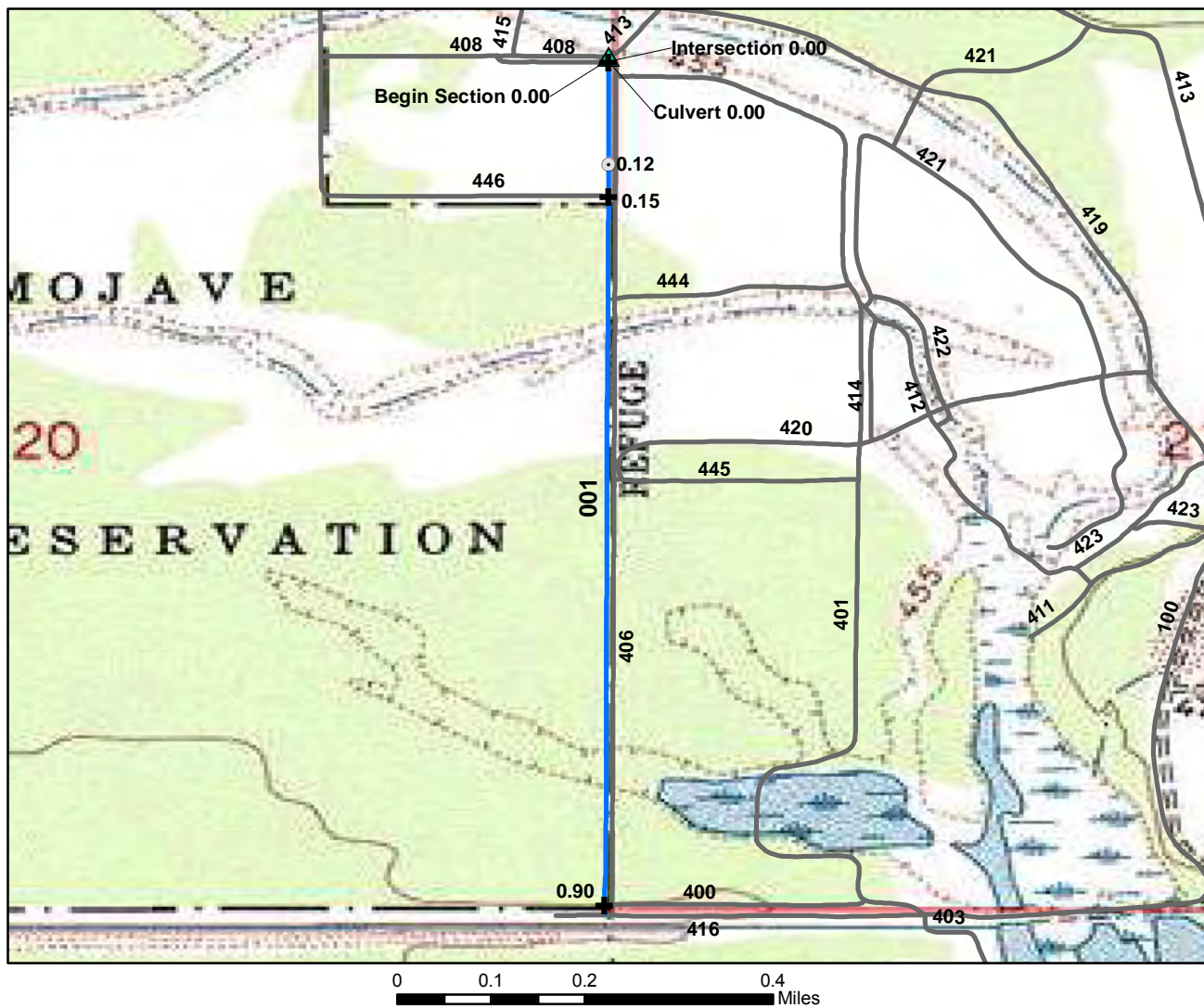
ROUTE: 406      Pintail Slough 3 East Access Road      TOTAL LENGTH: 0.90 Miles

ASSET:

RTE DESCRIPTION: From North Dike Road 2 (Route 416) to Hunters Road 1 (Route 413) and Pintail Slough 10 (Route 408)

Section Number	001				
Section Length (miles)	0.90				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$1900				
CRV	\$313300				





<div> <div>Excellent</div> <div>Good</div> <div>Fair</div> <div>Poor</div> <div>Failed</div> </div>		<div> <div>Bridge</div> <div>Gate</div> <div>Culvert</div> <div>Deficiency</div> <div>Railroad Crossing</div> <div>Turnout/Parking</div> <div>Visitor Center</div> <div>Problem Area</div> </div>	
<div> <div>Begin Section</div> <div>Boat Ramp</div> </div>		<div> <div>Low Water Crossing</div> <div>Fee Station</div> <div>Intersection</div> <div>Political Boundary</div> </div>	

ROUTE: 407 Pintail Slough 3 West Access Road

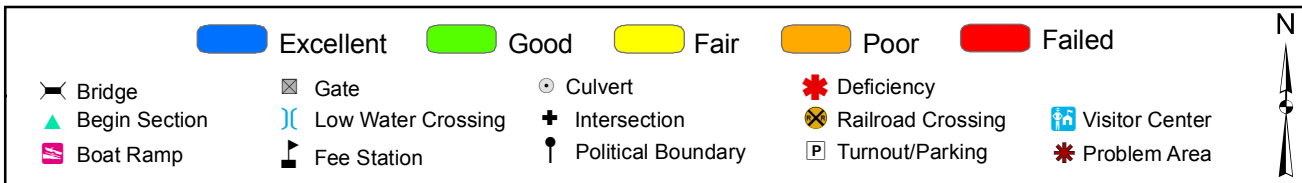
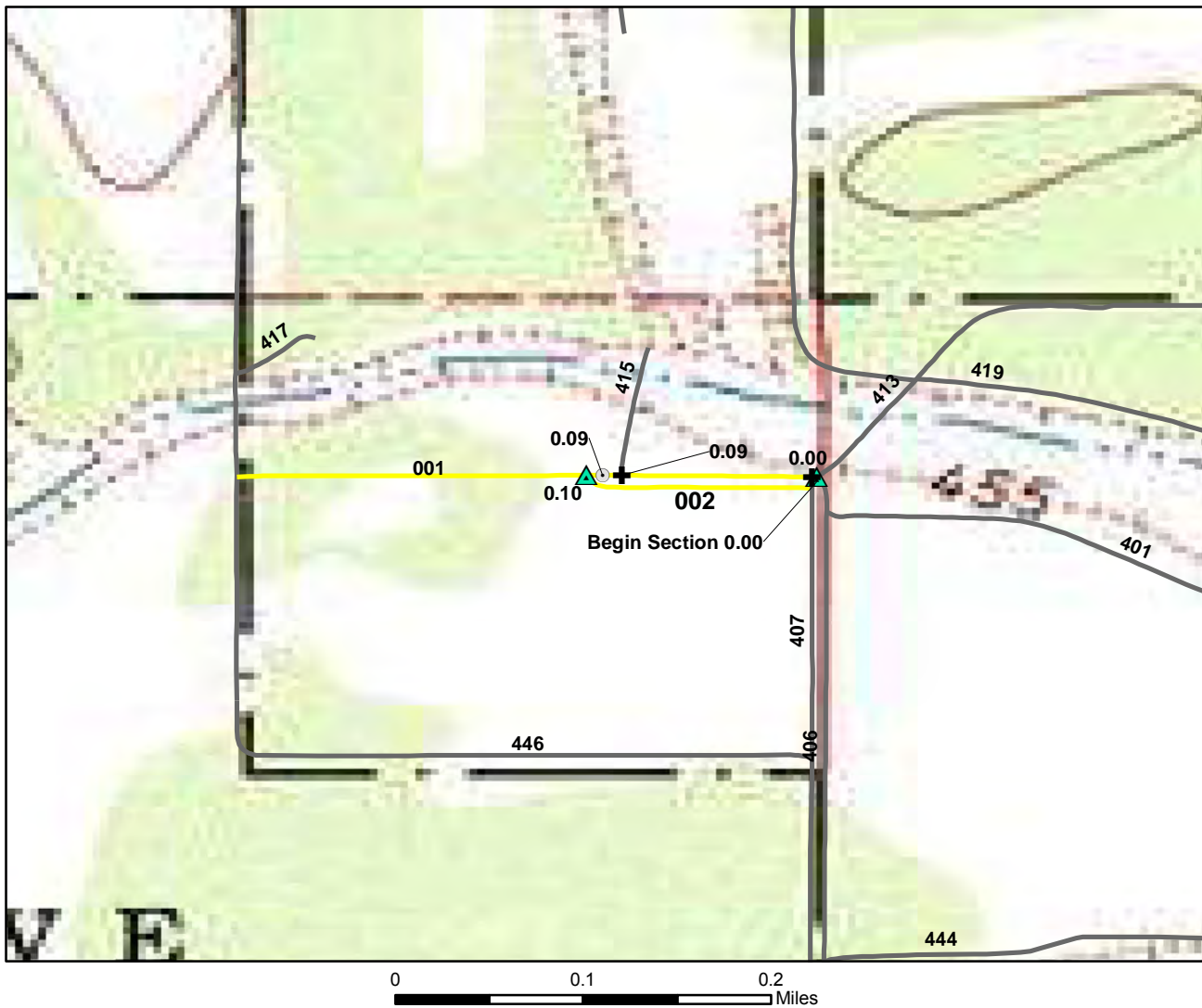
TOTAL LENGTH: 0.91 Miles

ASSET: 10009723

RTE DESCRIPTION: From Pintail Slough 10 (Route 408) to North Dike Road (Route 400)

Section Number	001				
Section Length (miles)	0.91				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	14				
<b>Roadway Condition Information</b>					
Condition	Excellent				
Remaining Service Life (years)	8				
Cost Estimate	\$0				
CRV	\$612500				



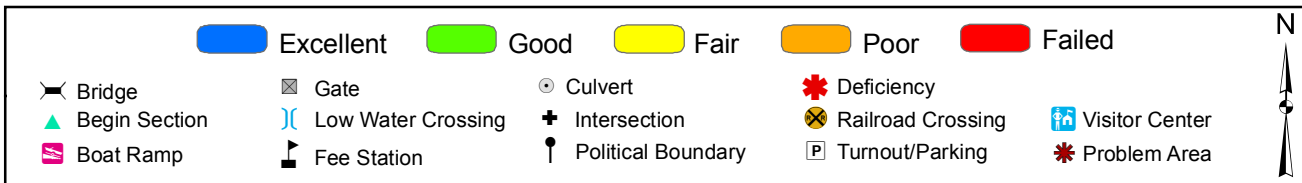
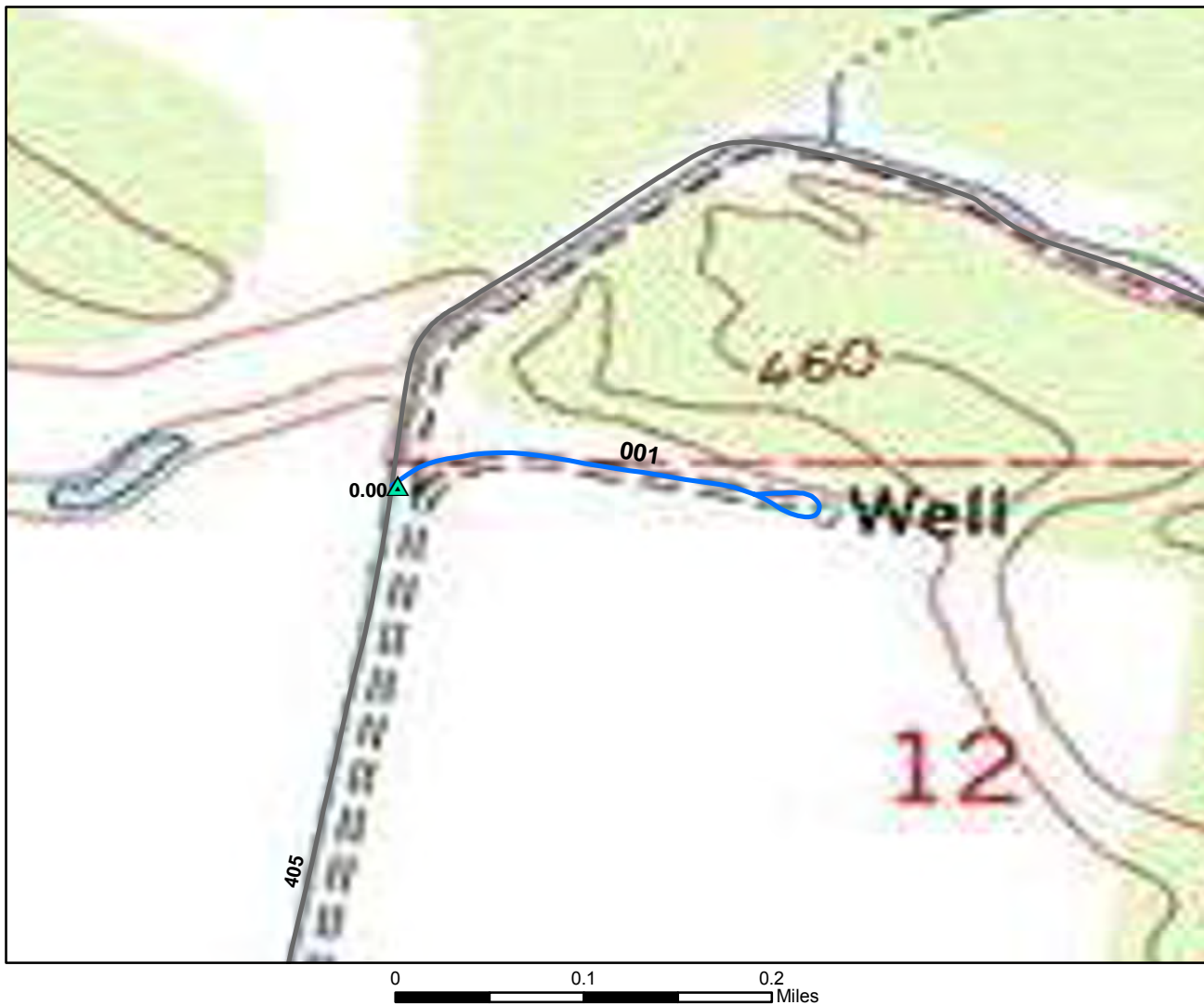


ROUTE: 408      Pintail Slough Road 10      TOTAL LENGTH: 0.35 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough 3 East Access Road ( Route 406) to Hunters Road 1 (Route 413)

Section Number	001	002			
Section Length (miles)	0.25	0.10			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Native	Native			
Number of Lanes	1	1			
Roadway Width (feet)	12	12			
<b>Roadway Condition Information</b>					
Condition	Fair	Fair			
Remaining Service Life (years)	3	3			
Cost Estimate	\$500	\$200			
CRV	\$88300	\$35200			



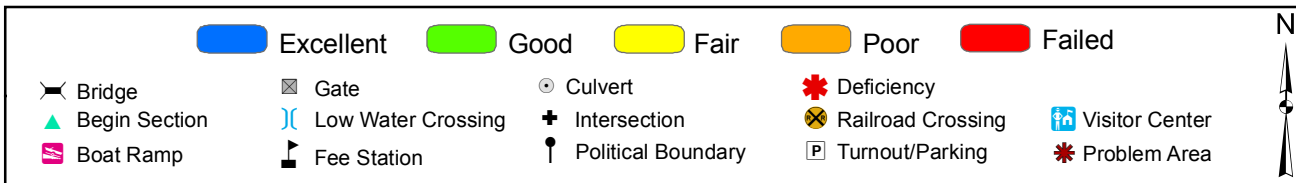
ROUTE: 409 Pump Loop Road

TOTAL LENGTH: 0.23 Miles

ASSET: 10009723

RTE DESCRIPTION: From Farm Ditch Road (Route 405) to end of loop

Section Number	001				
Section Length (miles)	0.23				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Excellent				
Remaining Service Life (years)	9				
Cost Estimate	\$0				
CRV	\$156400				



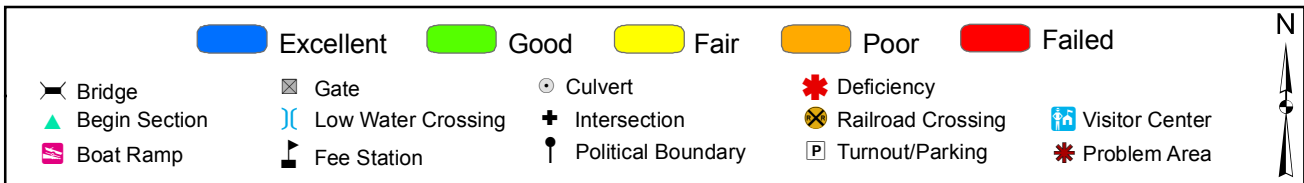
ROUTE: 410 Lake Beal Tower Road TOTAL LENGTH: 0.16 Miles

ASSET: 10009723

RTE DESCRIPTION: From South Dike Road (Route 402) to Lake Beal Tower Road Parking (Route 802)

Section Number	001				
Section Length (miles)	0.16				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$300				
CRV	\$108500				



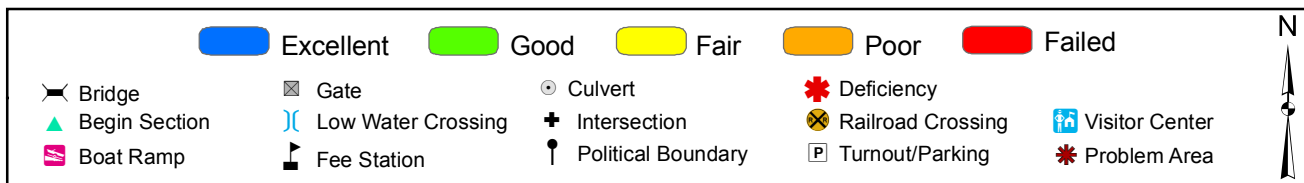


ROUTE: 411      Pintail Slough Road 1      TOTAL LENGTH: 0.21 Miles

ASSET: 10009723

RTE DESCRIPTION: From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)

Section Number	001				
Section Length (miles)	0.21				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$300				
CRV	\$142700				



ROUTE: 412 Pintail Slough Road 4

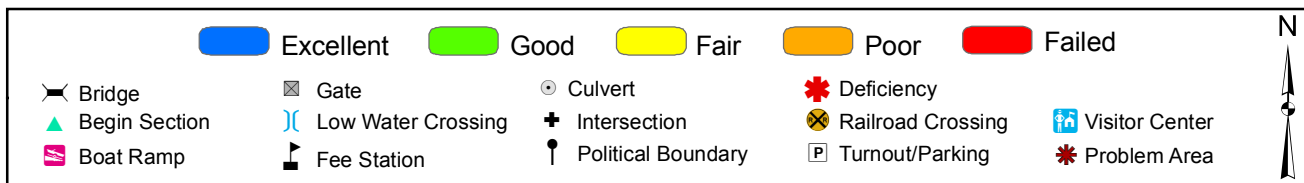
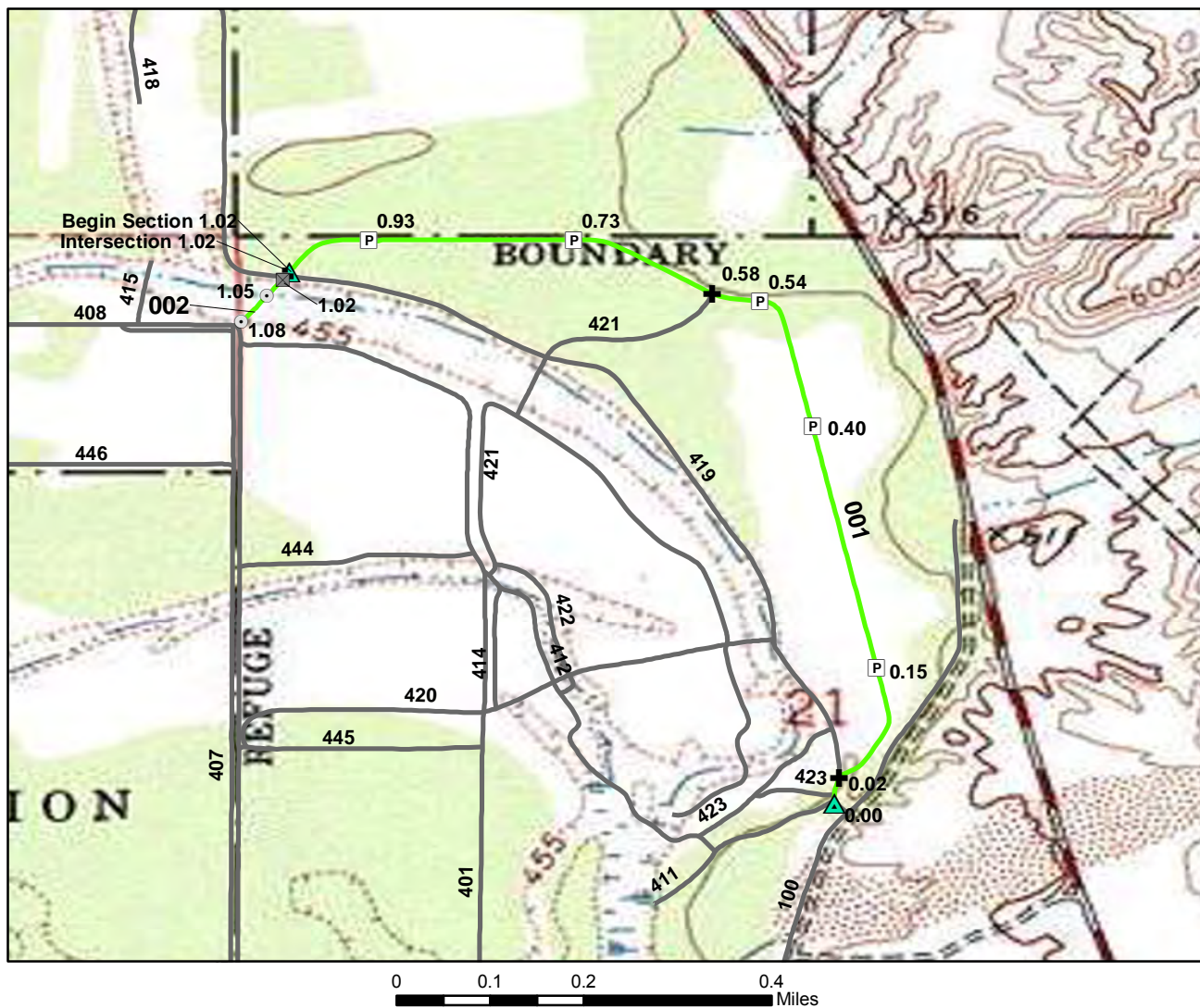
TOTAL LENGTH: 0.43 Miles

ASSET:

RTE DESCRIPTION: From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)

Section Number	001	002			
Section Length (miles)	0.40	0.03			
Inspection Date	4/7/2008	4/7/2008			
<b>Section Information</b>					
Surface Type	Native	Native			
Number of Lanes	1	1			
Roadway Width (feet)	10	10			
<b>Roadway Condition Information</b>					
Condition	Good	Good			
Remaining Service Life (years)	5	5			
Cost Estimate	\$700	\$0			
CRV	\$138700	\$9100			





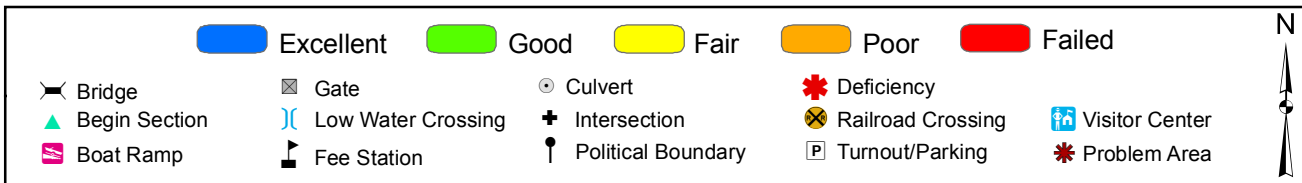
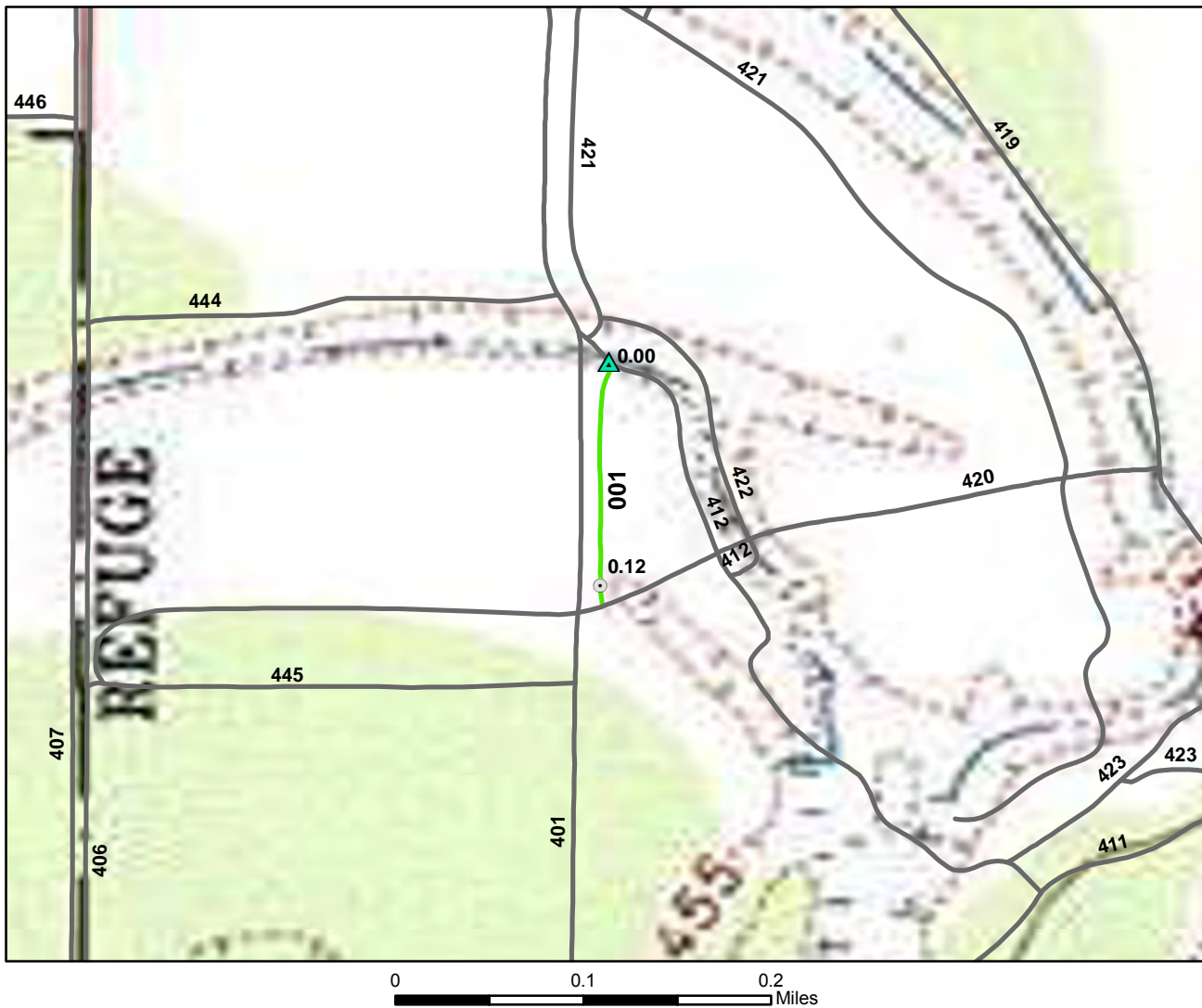
ROUTE: 413 Hunters Road 1

TOTAL LENGTH: 1.09 Miles

ASSET: 10009723

RTE DESCRIPTION: From Pintail Slough Road Road 1 (Route 411) to Pintail Slough 10 (Route 408)

Section Number	001	002			
Section Length (miles)	1.02	0.07			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Gravel	Gravel			
Number of Lanes	1	1			
Roadway Width (feet)	12	12			
<b>Roadway Condition Information</b>					
Condition	Good	Good			
Remaining Service Life (years)	7	7			
Cost Estimate	\$1600	\$100			
CRV	\$682200	\$49800			



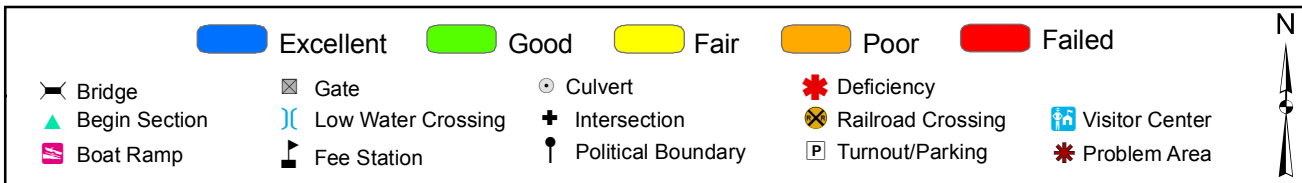
ROUTE: 414      Pintail Slough Road 12      TOTAL LENGTH: 0.13 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough Road 4 (Route 412) to Pintail Slough 7 North Access Road (Route 420)

Section Number	001				
Section Length (miles)	0.13				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$200				
CRV	\$45300				



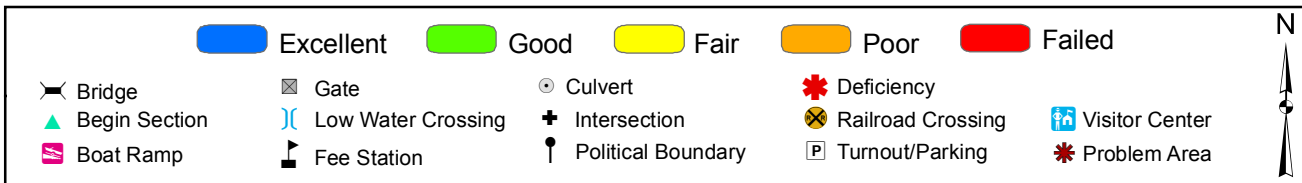
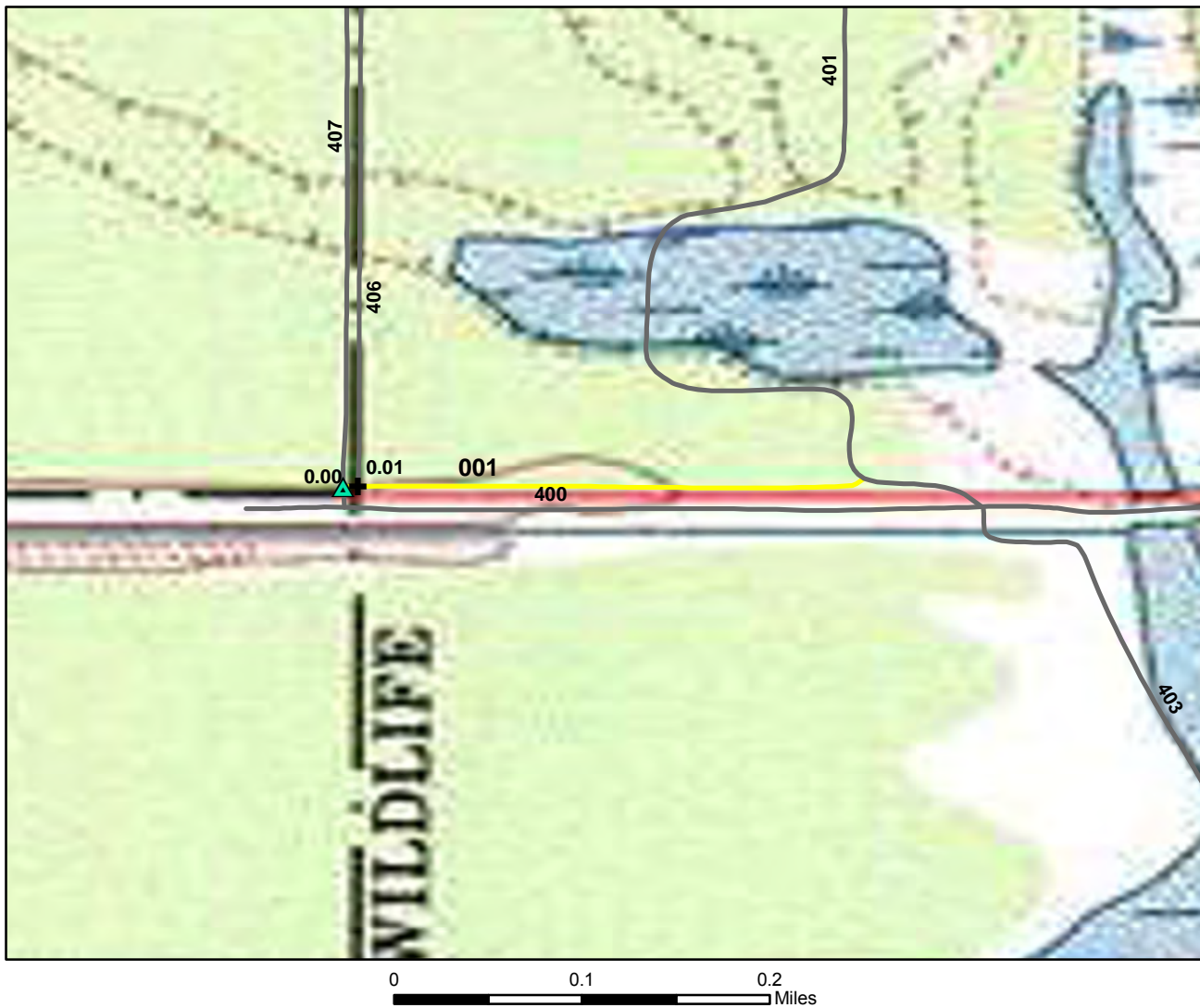


ROUTE: 415      Hunters Blind Access Road 3      TOTAL LENGTH: 0.07 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough Road 10 (Route 408) to end of route at blind

Section Number	001				
Section Length (miles)	0.07				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$0				
CRV	\$0				



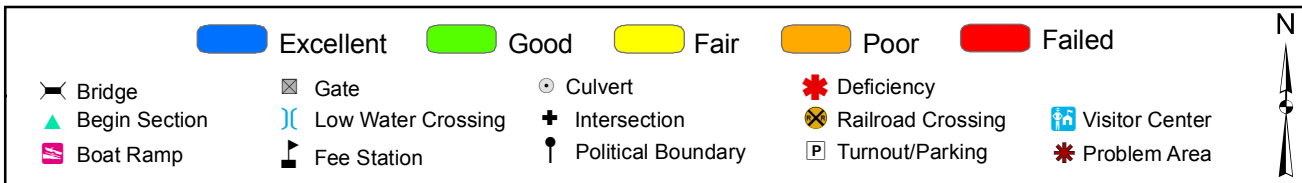
ROUTE: 416      North Dike Road 2      TOTAL LENGTH: 0.23 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough 3 West Access Road (Route 407) to Pintail Slough Road 5 (Route 401)

Section Number	001				
Section Length (miles)	0.23				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$500				
CRV	\$79800				



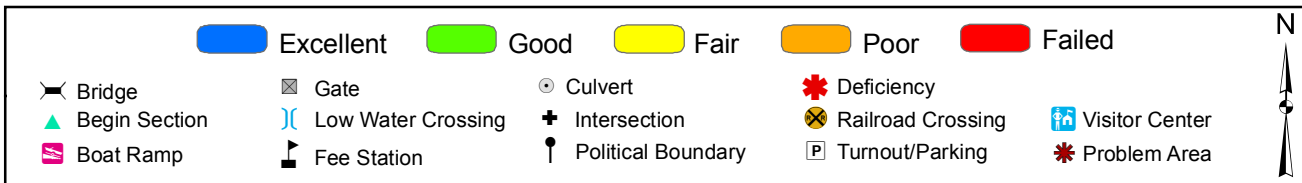


ROUTE: 417      Hunters Blind Access Road 1      TOTAL LENGTH: 0.04 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough Road 10 (Route 408) to end of route at blind

Section Number	001				
Section Length (miles)	0.04				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$0				
CRV	\$0				



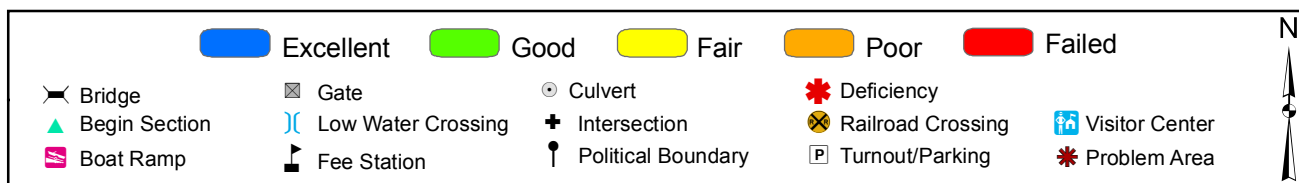
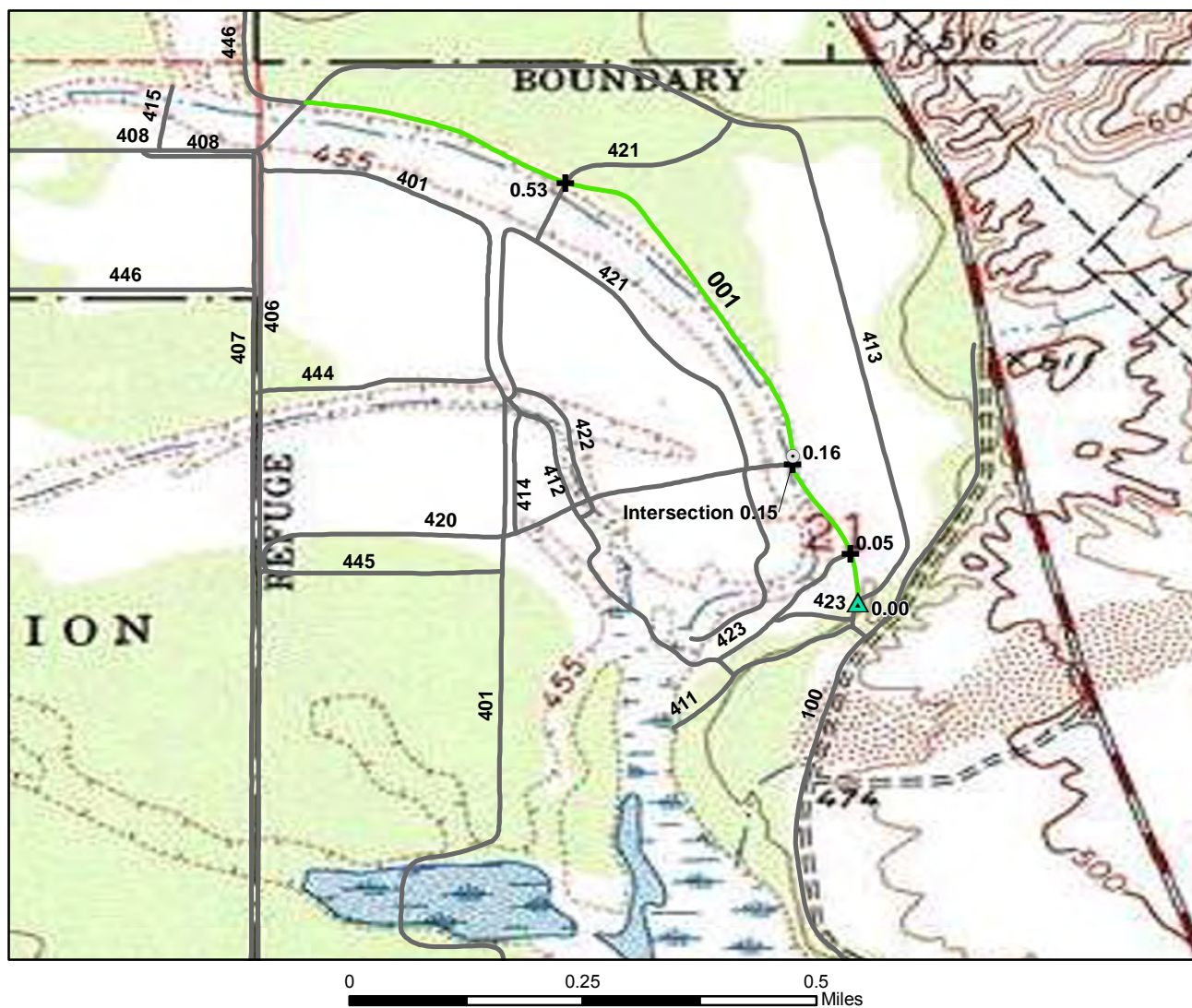
ROUTE: 418      Hunters Blind Access Road 2      TOTAL LENGTH: 0.11 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough Road 10 (Route 408) to end of route at blind

Section Number	001				
Section Length (miles)	0.11				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$100				
CRV	\$0				



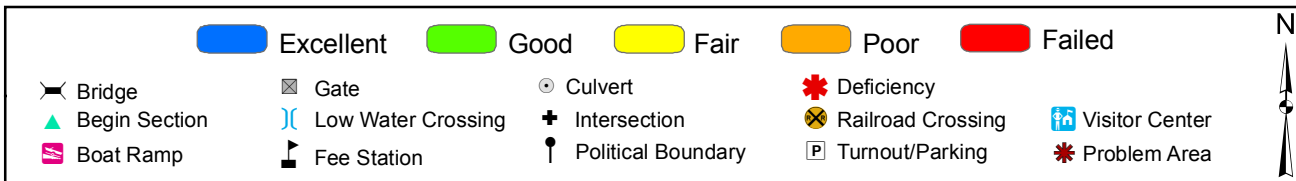
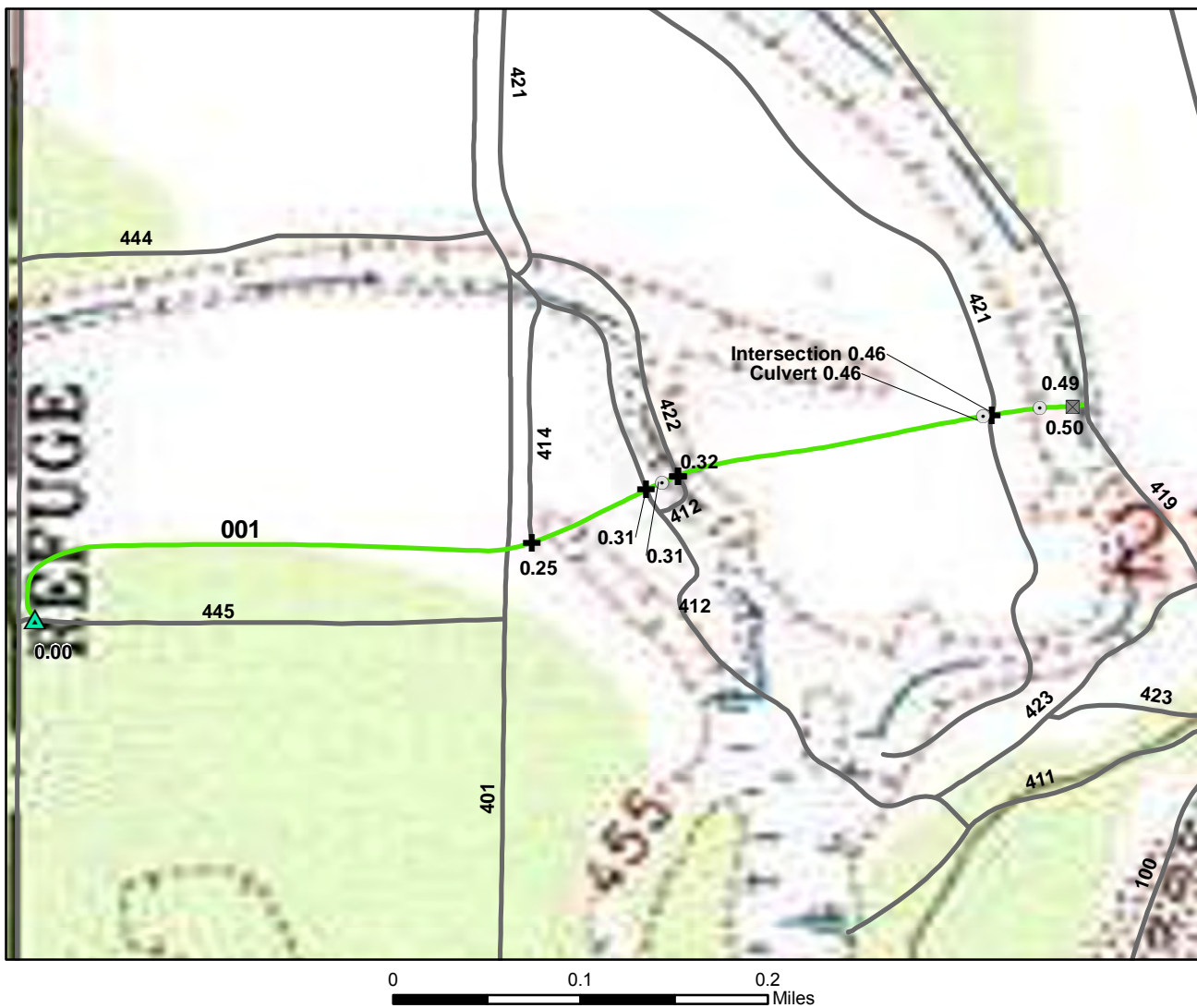


ROUTE: 419      Hunter Road 3      TOTAL LENGTH: 0.79 Miles

ASSET: 10009723

RTE DESCRIPTION: From Hunter Road 1 (Route 413) Section 001 to Hunter Road 1 (Route 413) Section 002

Section Number	001				
Section Length (miles)	0.79				
Inspection Date	4/7/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$1200				
CRV	\$532100				



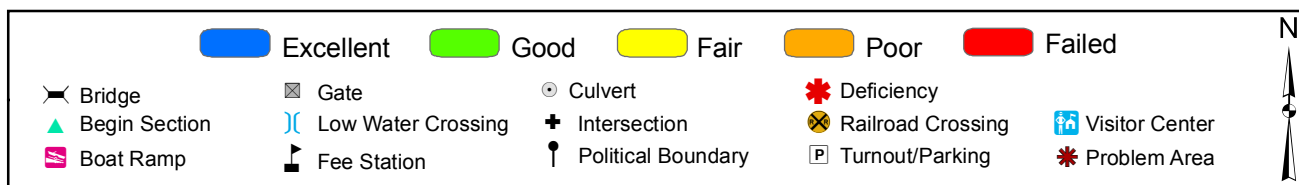
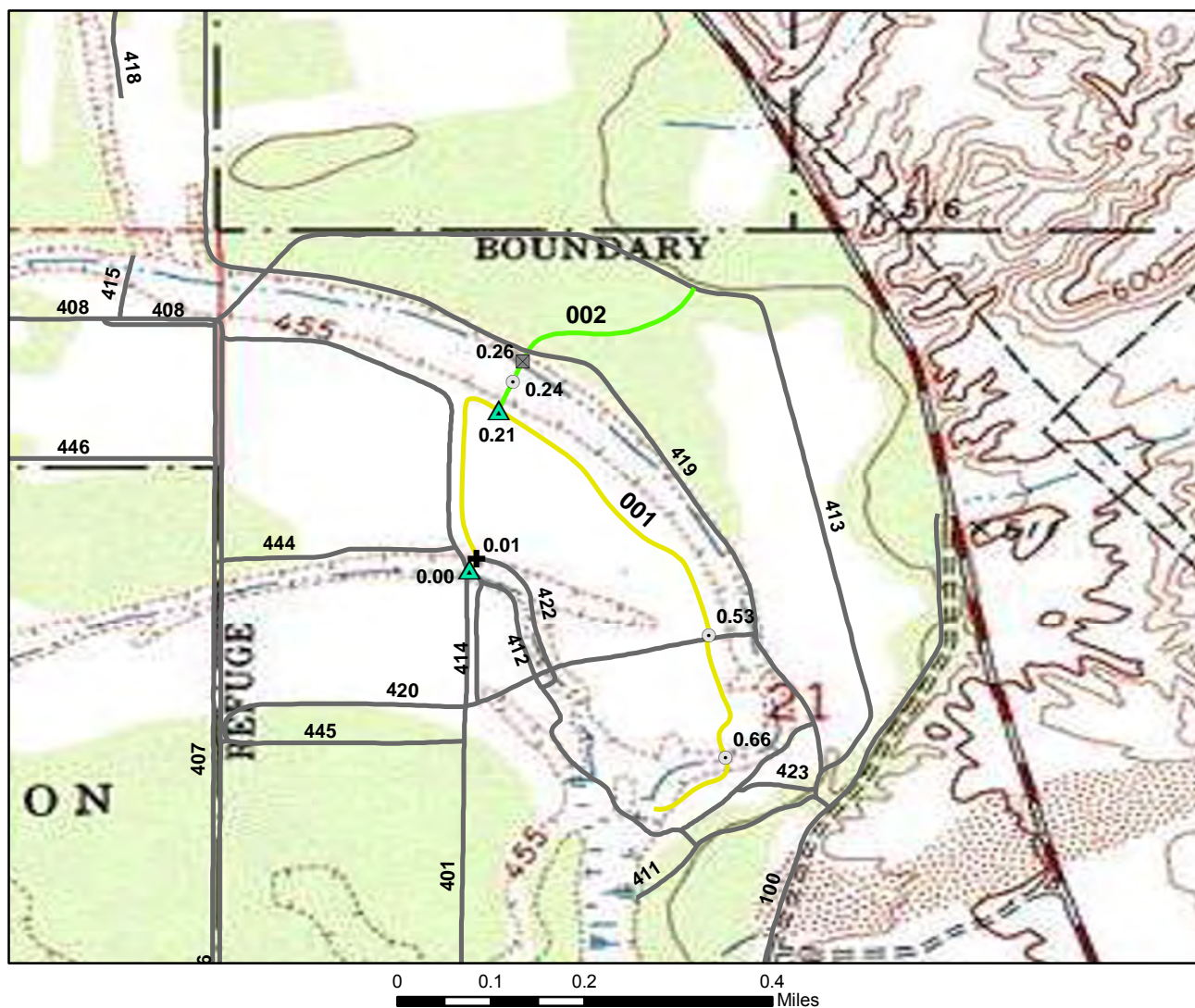
ROUTE: 420      Pintail Slough 7 North Access Road      TOTAL LENGTH: 0.51 Miles

ASSET: 10009723

RTE DESCRIPTION: From Pintail Slough 7 South Access Road Route (Route 445) to Hunter Road 3 (Route 419)

Section Number	001				
Section Length (miles)	0.51				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$800				
CRV	\$341300				



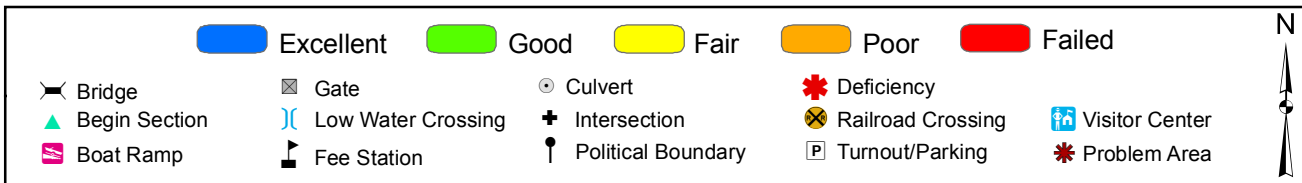
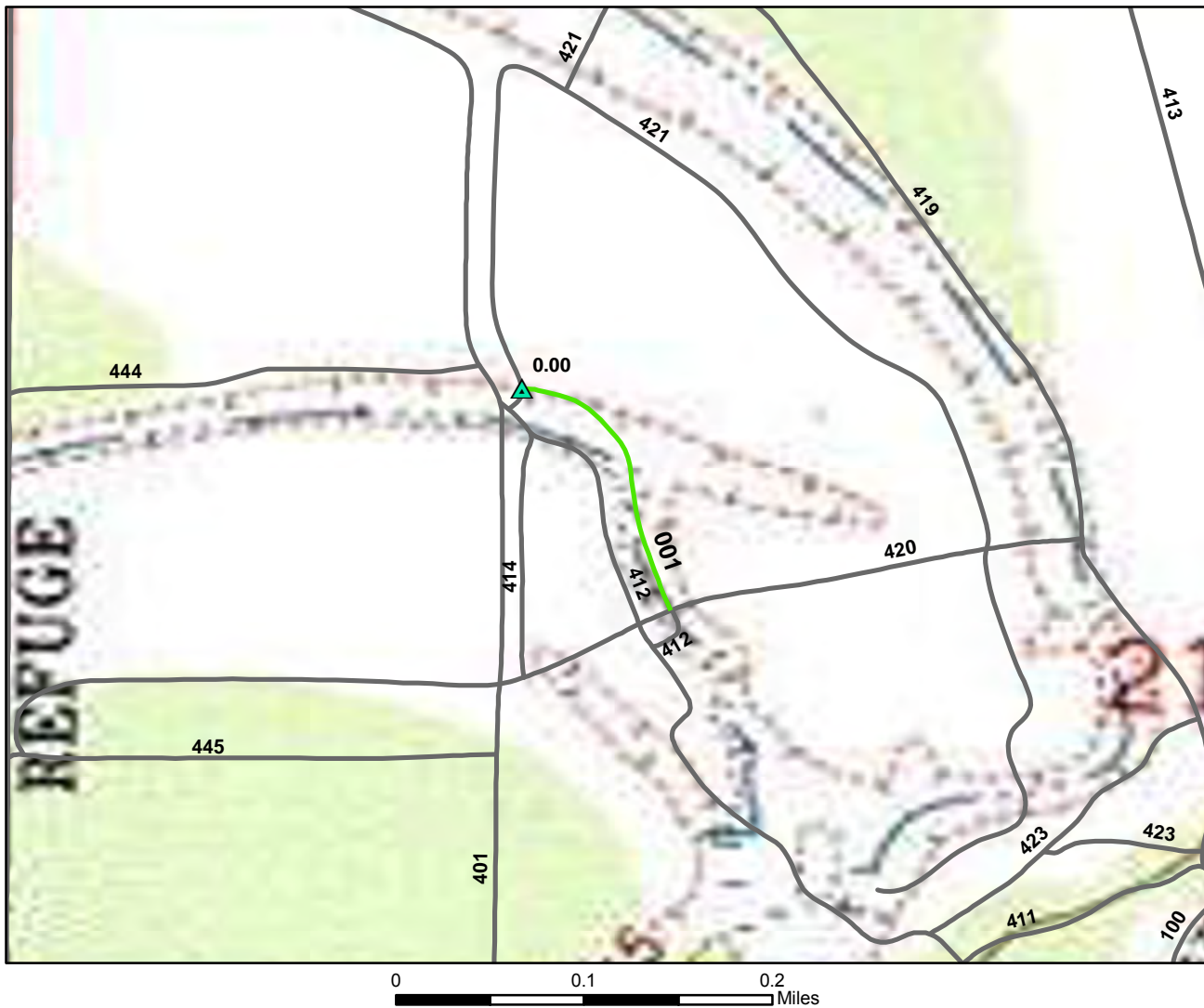


ROUTE: 421 Hunters Road 2 TOTAL LENGTH: 1.00 Miles

ASSET: 10009723

RTE DESCRIPTION: From Pintail Slough Road 4 (Route 412) to end of route

Section Number	001	002			
Section Length (miles)	0.76	0.24			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Native	Gravel			
Number of Lanes	1	1			
Roadway Width (feet)	12	10			
<b>Roadway Condition Information</b>					
Condition	Fair	Good			
Remaining Service Life (years)	3	5			
Cost Estimate	\$1600	\$400			
CRV	\$263600	\$161500			



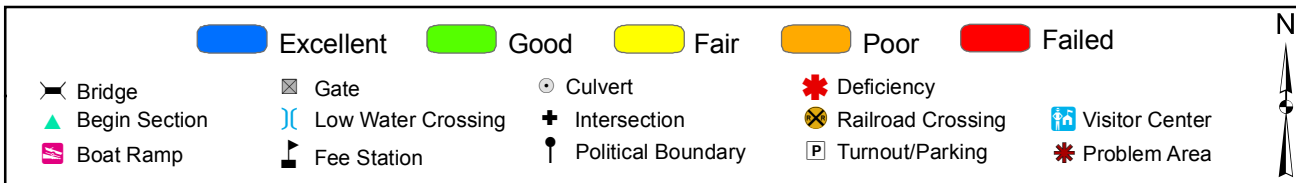
ROUTE: 422      Pintail Slough Road 11      TOTAL LENGTH: 0.15 Miles

ASSET:

RTE DESCRIPTION: From Hunters Road 2 (Route 421) to Pintail Slough 7 North Access Road (Route 420)

Section Number	001				
Section Length (miles)	0.15				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$300				
CRV	\$50900				



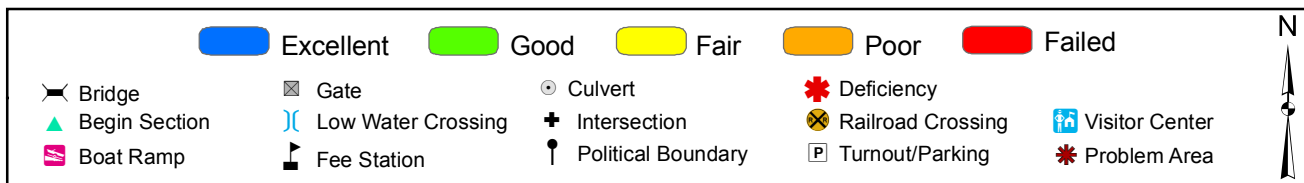
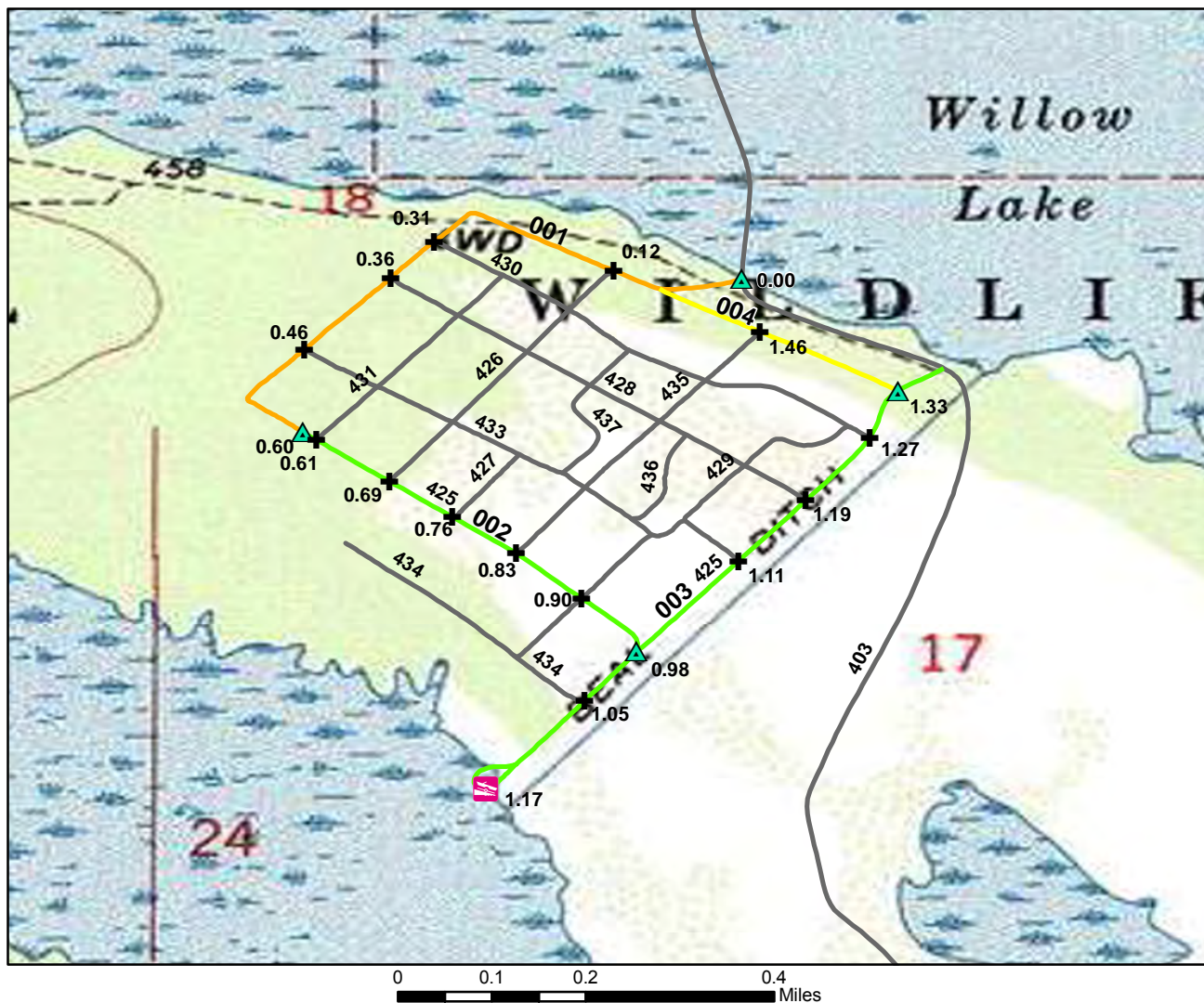


ROUTE: 423      Pintail Slough Road 4A      TOTAL LENGTH: 0.24 Miles

ASSET:

RTE DESCRIPTION: From North Dike Public Access Road (Route 100) to Hunter Unit Parking (Route 805)

Section Number	001	002			
Section Length (miles)	0.17	0.07			
Inspection Date	4/7/2008	4/7/2008			
<b>Section Information</b>					
Surface Type	Native	Native			
Number of Lanes	1	1			
Roadway Width (feet)	10	10			
<b>Roadway Condition Information</b>					
Condition	Fair	Fair			
Remaining Service Life (years)	3	3			
Cost Estimate	\$400	\$200			
CRV	\$57900	\$24900			



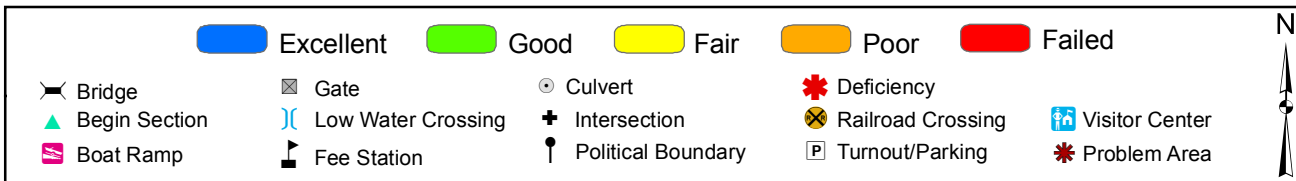
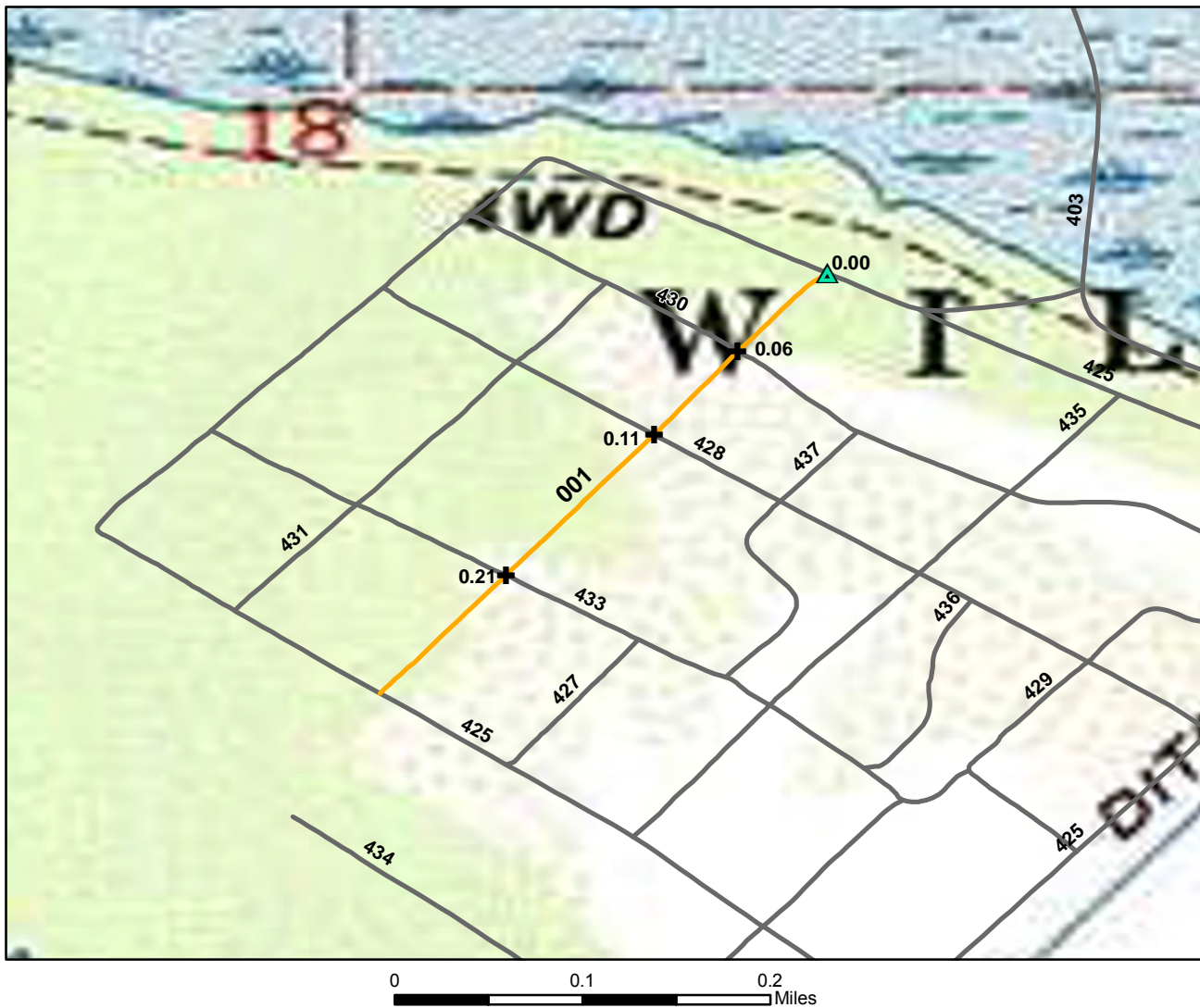
ROUTE: 425 Beal Lake Restoration Parameter Road TOTAL LENGTH: 1.88 Miles

ASSET:

RTE DESCRIPTION: From Interior Road (Route 403) to end of Loop

Section Number	001	002	003	004	
Section Length (miles)	0.59	0.64	0.41	0.24	
Inspection Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008	
<b>Section Information</b>					
Surface Type	Primitive	Gravel	Gravel	Native	
Number of Lanes	1	1	1	1	
Roadway Width (feet)	10	12	12	12	
<b>Roadway Condition Information</b>					
Condition	Poor	Good	Good	Fair	
Remaining Service Life (years)	2	6	6	3	
Cost Estimate	\$600	\$1000	\$600	\$500	
CRV	\$0	\$428000	\$274500	\$81700	



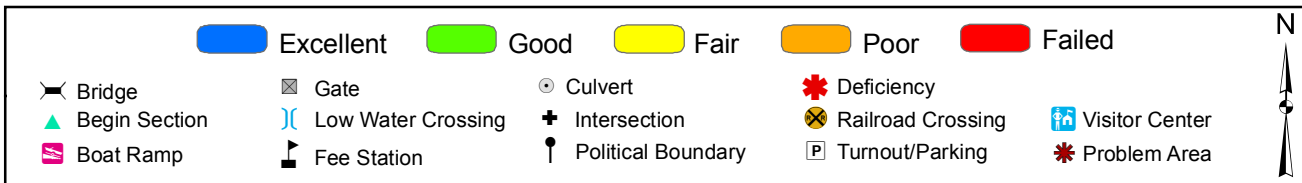
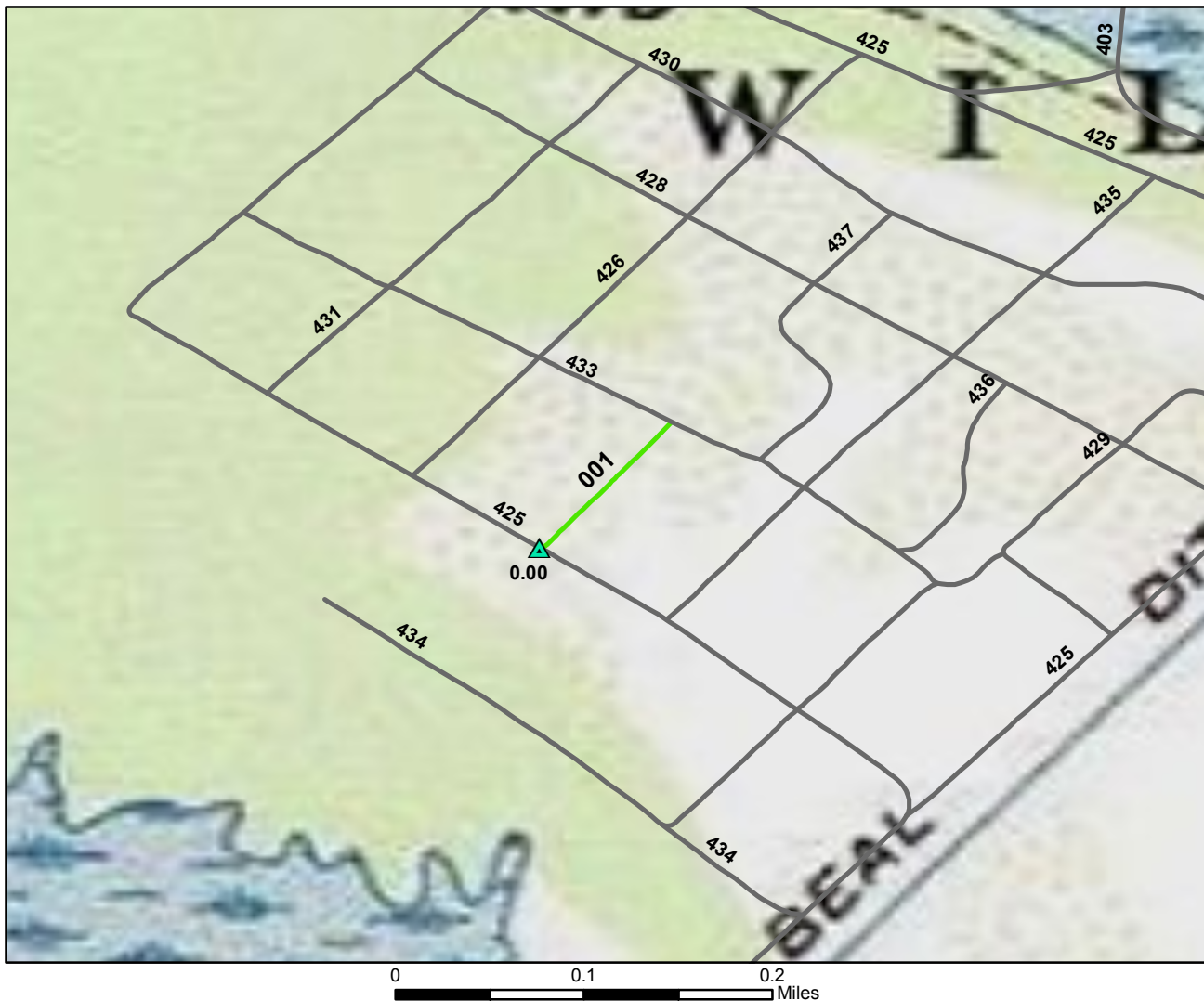


ROUTE: 426      Beal Lake Restoration Central Access 1      TOTAL LENGTH: 0.30 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425) Section 001 to  
Beal Lake Restoration Parameter Road (Route 425) Section 002

Section Number	001				
Section Length (miles)	0.30				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Poor				
Remaining Service Life (years)	2				
Cost Estimate	\$9100				
CRV	\$103500				



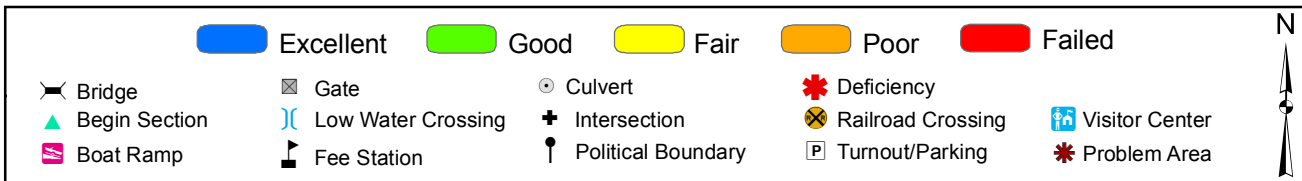
ROUTE: 427      Beal Lake Restoration Central Access 2      TOTAL LENGTH: 0.09 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter  
Road (Route 425) to Beal Lake Restoration Central Access 7 (Route 433)

Section Number	001				
Section Length (miles)	0.09				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$0				
CRV	\$0				



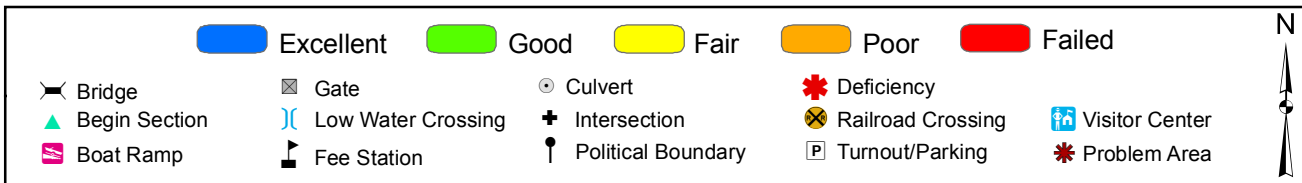
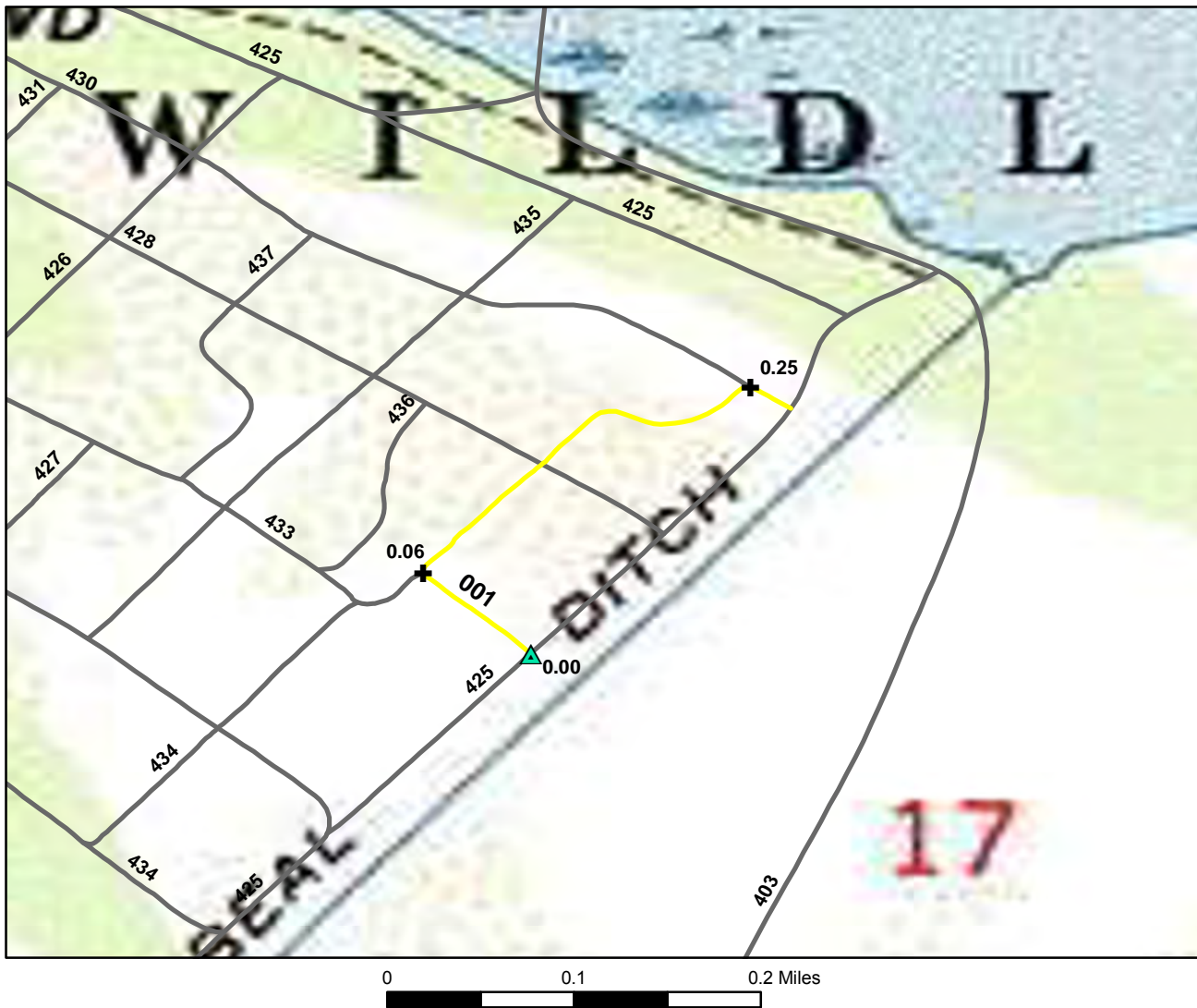


ROUTE: 428      Beal Lake Restoration Central Access 3      TOTAL LENGTH: 0.43 Miles

ASSET: 10009723

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425)  
Section 001 to Beal Lake Restoration Parameter Road (Route 425) Section 003

Section Number	001				
Section Length (miles)	0.43				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	7				
Cost Estimate	\$700				
CRV	\$291000				



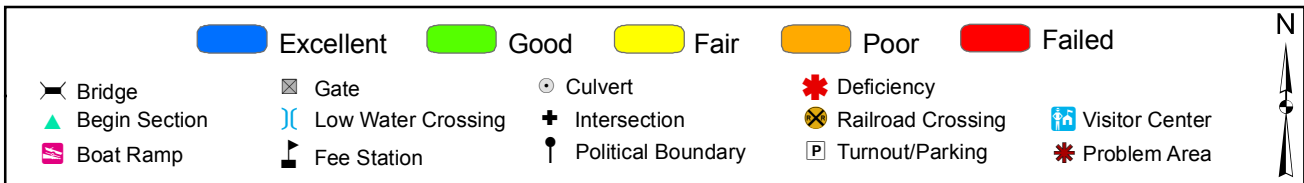
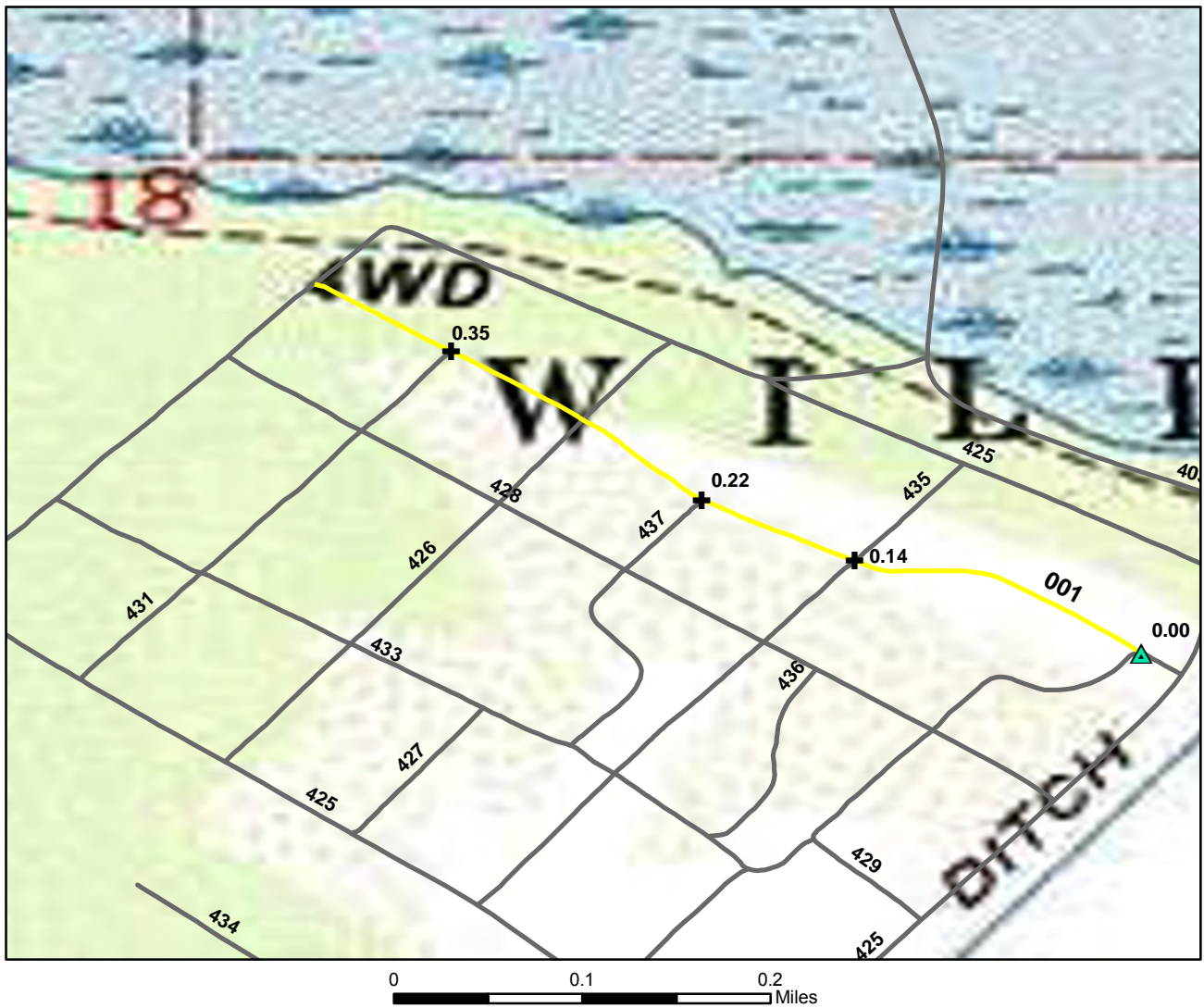
ROUTE: 429 Beal Lake Restoration Central Access 4 TOTAL LENGTH: 0.28 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425)  
Section 003 to Beal Lake Restoration Parameter Road (Route 425) Section 003

Section Number	001				
Section Length (miles)	0.28				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$600				
CRV	\$95700				



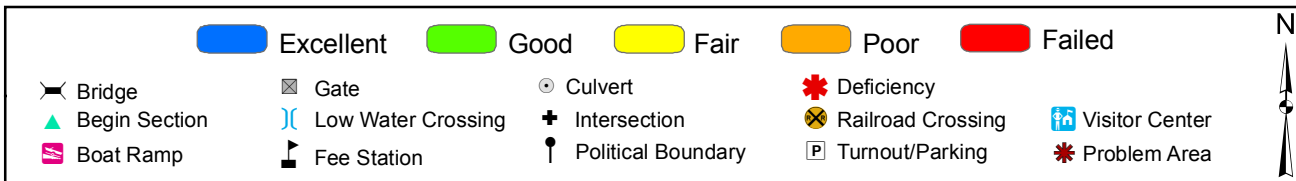
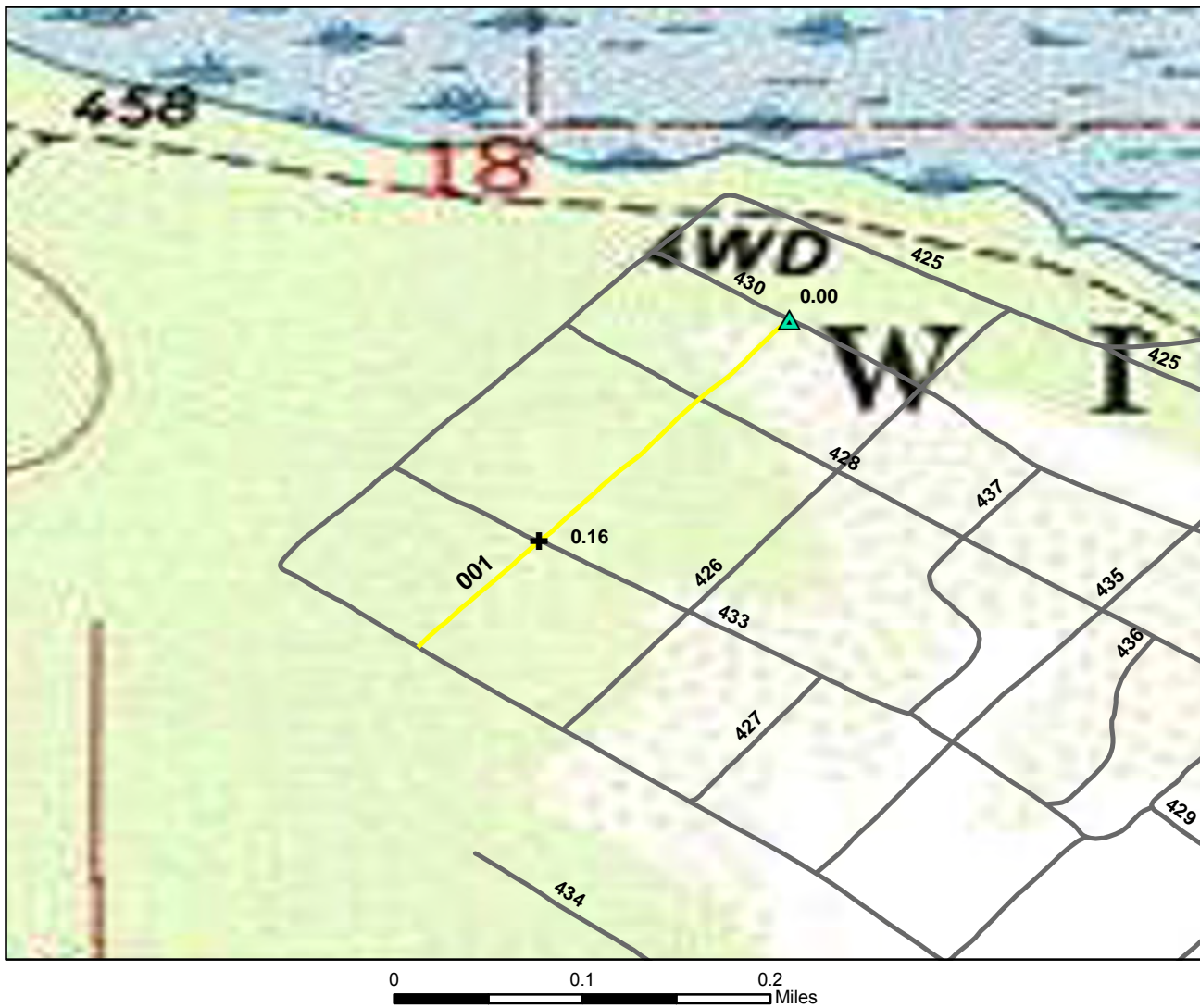


ROUTE: 430      Beal Lake Restoration Central Access 5      TOTAL LENGTH: 0.42 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Central Access 4 (Route 429)  
to Beal Lake Restoration Parameter Road (Route 425) Section 001

Section Number	001				
Section Length (miles)	0.42				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$300				
CRV	\$0				



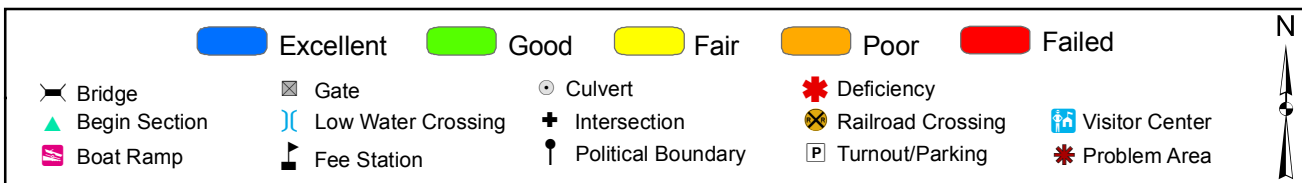
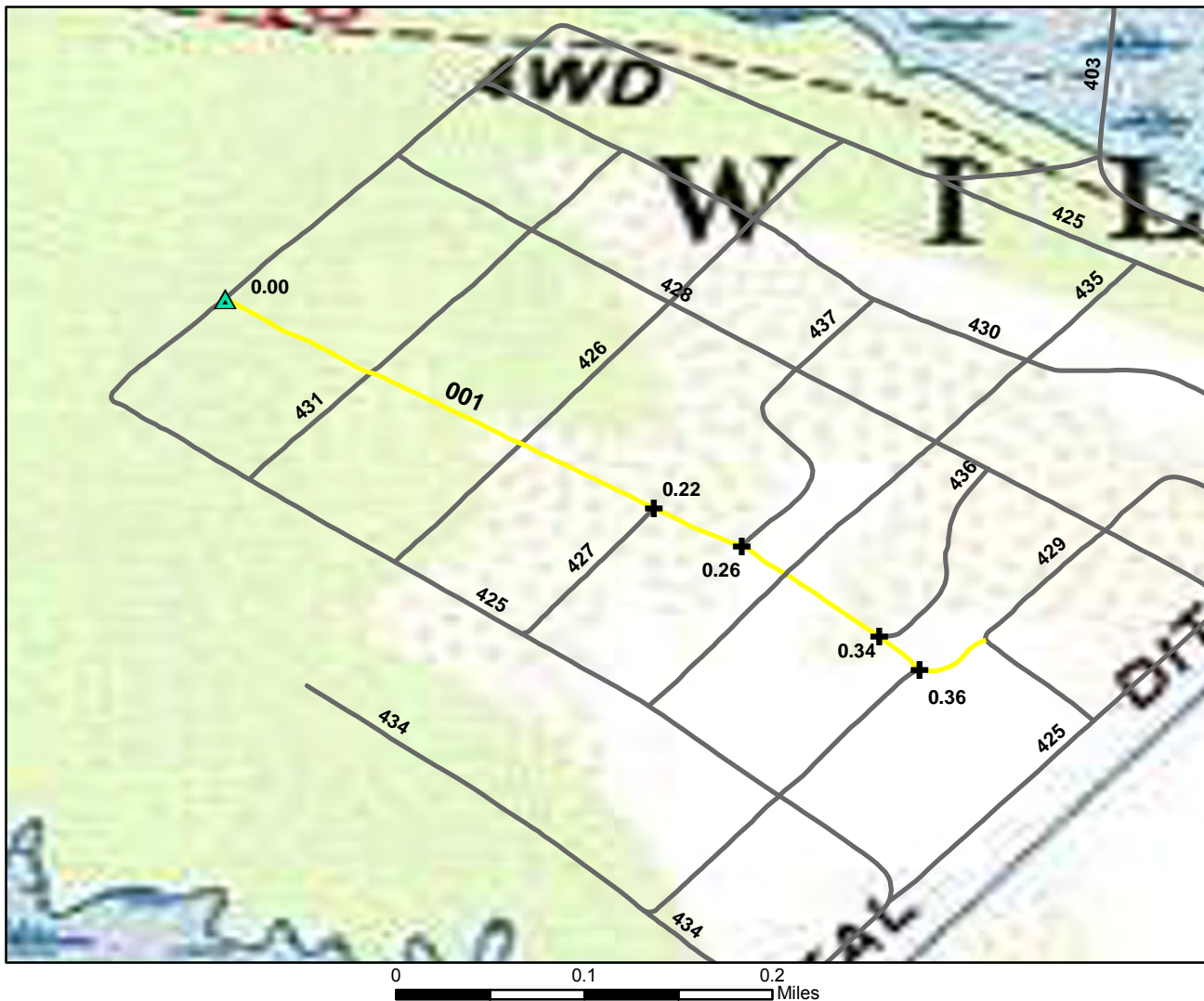
ROUTE: 431      Beal Lake Restoration Central Access 6      TOTAL LENGTH: 0.24 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425)  
to Beal Lake Restoration Central Access 5 (Route 430)

Section Number	001				
Section Length (miles)	0.24				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$200				
CRV	\$0				



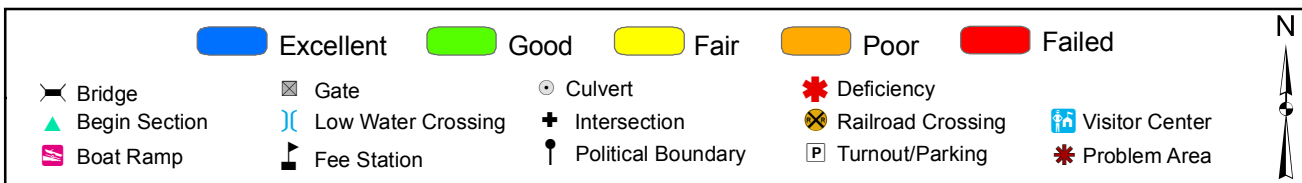


ROUTE: 433      Beal Lake Restoration Central Access 7      TOTAL LENGTH: 0.40 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425)  
to Beal Lake Restoration Central Access 4 (Route 429)

Section Number	001				
Section Length (miles)	0.40				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	3				
Cost Estimate	\$300				
CRV	\$0				



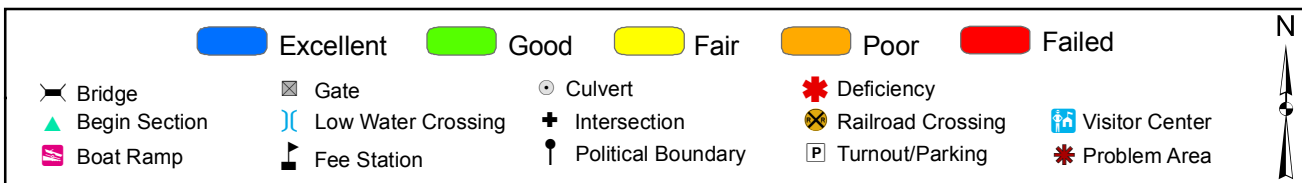
ROUTE: 434      Beal Lake Restoration Central Access 8      TOTAL LENGTH: 0.45 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Central Access 7 (Route 433) to end of route

Section Number	001	002			
Section Length (miles)	0.37	0.08			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Primitive	Primitive			
Number of Lanes	1	1			
Roadway Width (feet)	10	10			
<b>Roadway Condition Information</b>					
Condition	Fair	Fair			
Remaining Service Life (years)	4	4			
Cost Estimate	\$300	\$100			
CRV	\$0	\$0			



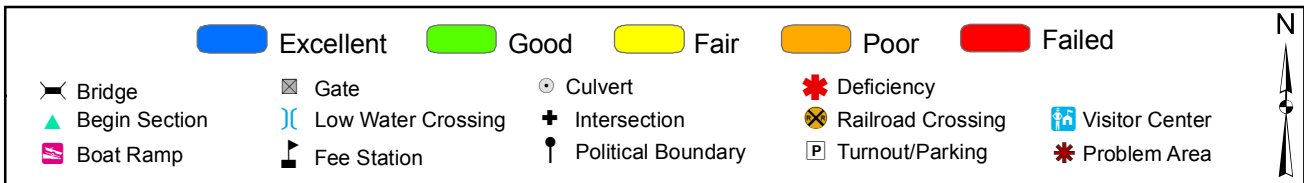


ROUTE: 435      Beal Lake Restoration Central Access 9      TOTAL LENGTH: 0.32 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Parameter Road (Route 425)  
Section 002 to Beal Lake Restoration Parameter Road (Route 425) Section 004

Section Number	001				
Section Length (miles)	0.32				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	4				
Cost Estimate	\$200				
CRV	\$0				

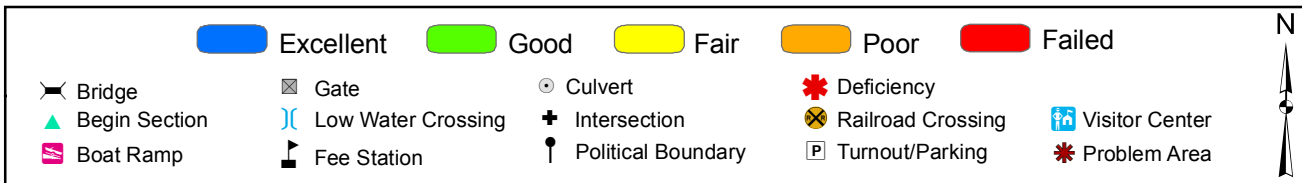


ROUTE: 436      Beal Lake Restoration Central Access 10      TOTAL LENGTH: 0.11 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Central Access 3 (Route 428)  
to Beal Lake Restoration Central Access 7 (Route 433)

Section Number	001				
Section Length (miles)	0.11				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	4				
Cost Estimate	\$100				
CRV	\$0				



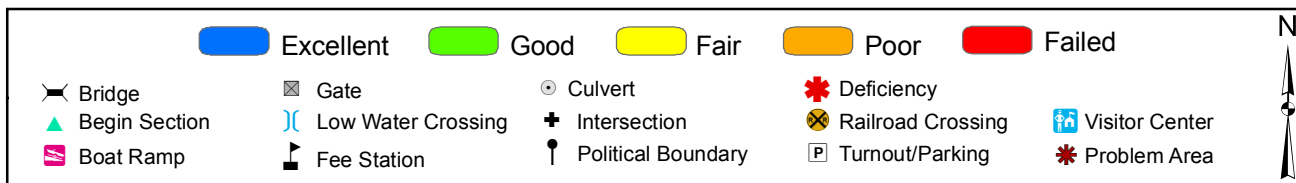
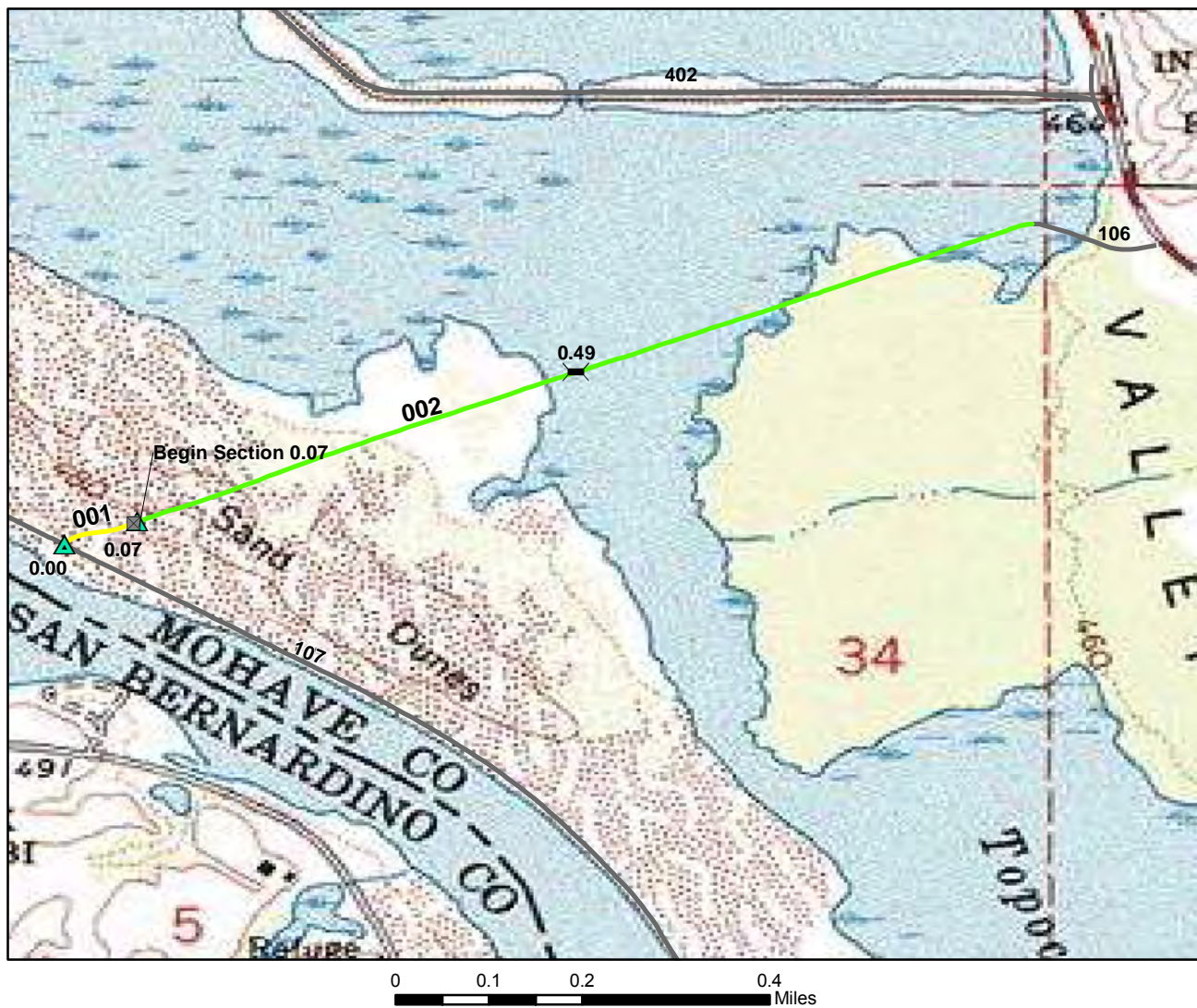
ROUTE: 437      Beal Lake Restoration Central Access 11      TOTAL LENGTH: 0.17 Miles

ASSET:

RTE DESCRIPTION: From Beal Lake Restoration Central Access 7 (Route 433)  
to Beal Lake Restoration Central Access 5 (Route 430)

Section Number	001				
Section Length (miles)	0.17				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Fair				
Remaining Service Life (years)	4				
Cost Estimate	\$100				
CRV	\$0				



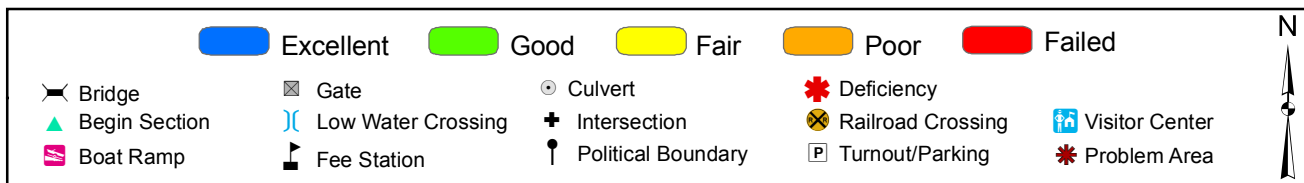


ROUTE: 443 New South Dike Road TOTAL LENGTH: 0.92 Miles

ASSET: 10009723

RTE DESCRIPTION: From New South Dike Access Road (Route 106) and New South Dike Parking Area (Route 906) to Lower Levee Road (Route 107)

Section Number	001	002			
Section Length (miles)	0.07	0.85			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Native	Gravel			
Number of Lanes	1	1			
Roadway Width (feet)	12	12			
<b>Roadway Condition Information</b>					
Condition	Fair	Good			
Remaining Service Life (years)	3	5			
Cost Estimate	\$100	\$1300			
CRV	\$24400	\$570900			



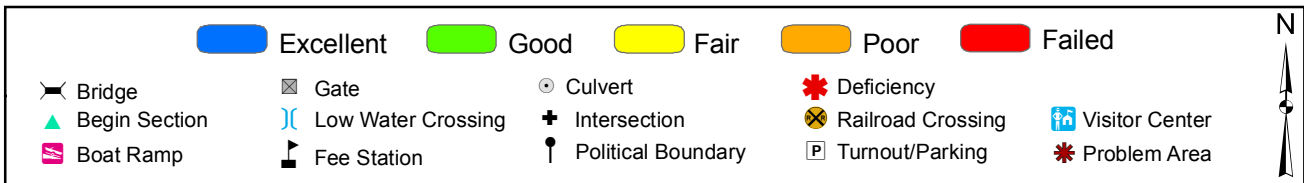
ROUTE: 444      Pintail Slough Road 8

TOTAL LENGTH: 0.21 Miles

ASSET:

RTE DESCRIPTION: From Pintail Slough 3 East Access Road (Route 406) to Pintail Slough Road 5 (Route 401)

Section Number	001				
Section Length (miles)	0.21				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Primitive				
Number of Lanes	1				
Roadway Width (feet)	10				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$100				
CRV	\$0				



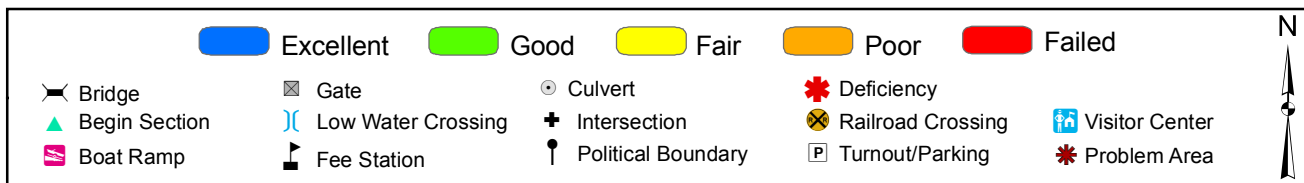
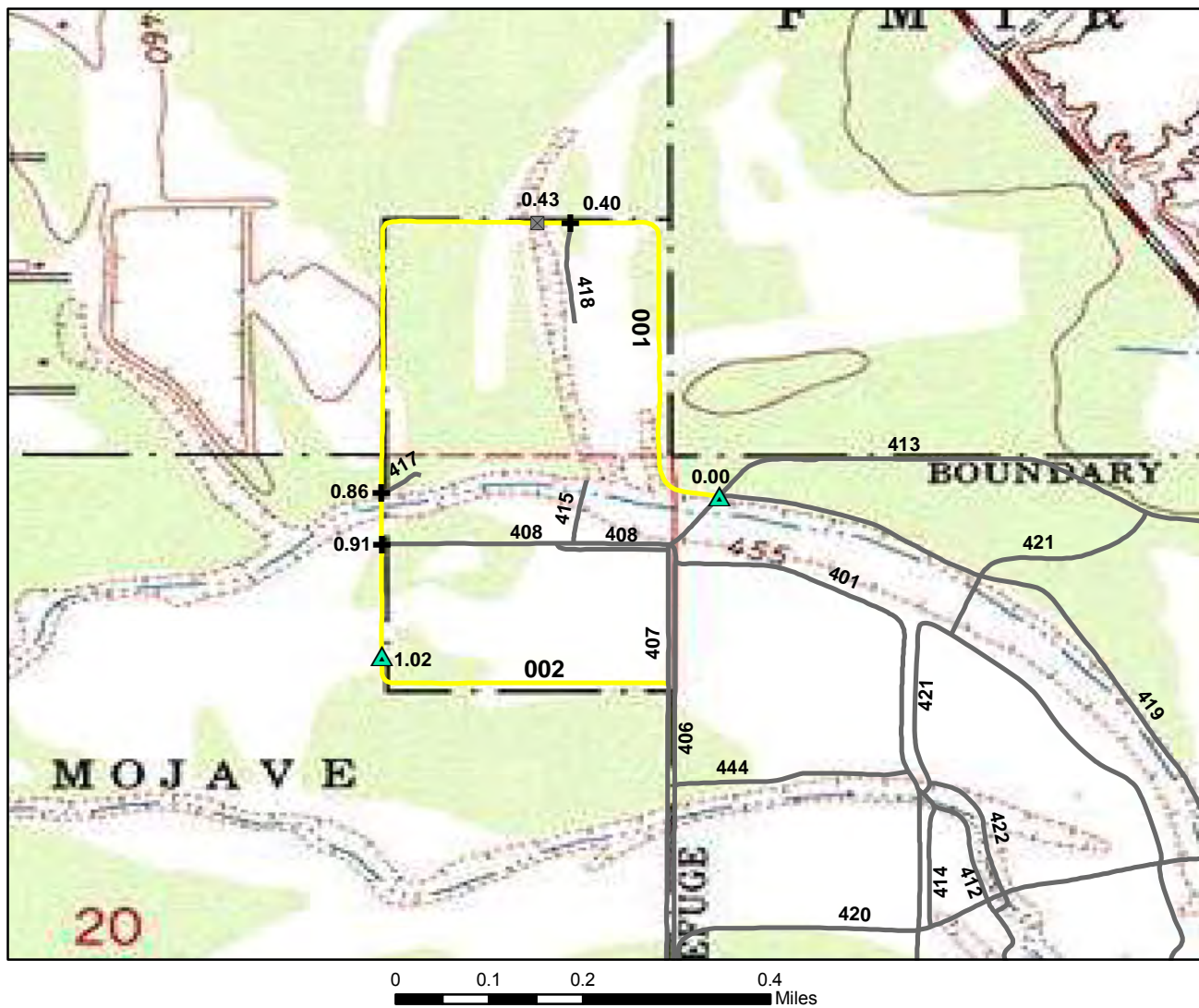
ROUTE: 445      Pintail Slough 7 South Access Road      TOTAL LENGTH: 0.21 Miles

ASSET: 10009723

RTE DESCRIPTION: From Pintail Slough 3 East Access Road (Route 406) to Pintail Slough Road 5 (Route 401)

Section Number	001				
Section Length (miles)	0.21				
Inspection Date	4/8/2008				
<b>Section Information</b>					
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
<b>Roadway Condition Information</b>					
Condition	Good				
Remaining Service Life (years)	5				
Cost Estimate	\$300				
CRV	\$143900				





ROUTE: 446 Pintail Slough Road 2

TOTAL LENGTH: 1.30 Miles

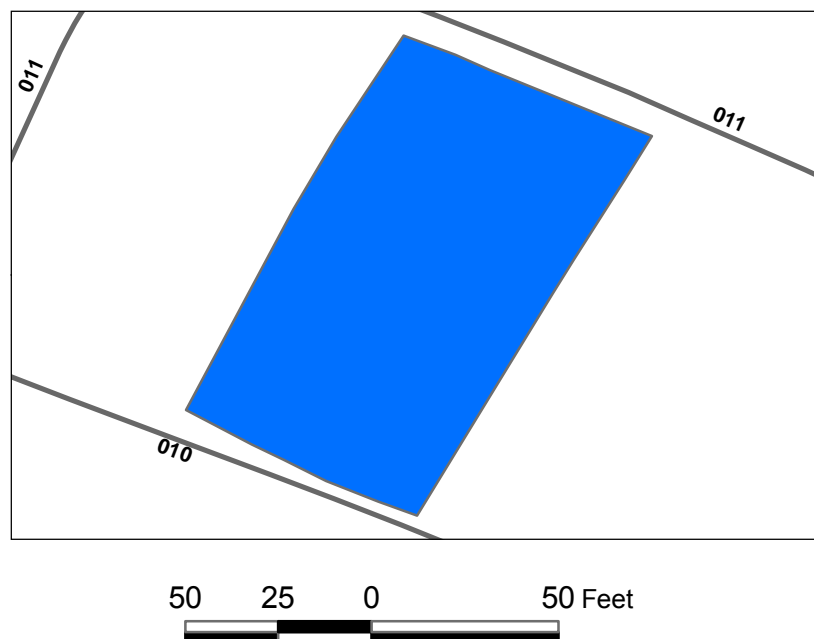
ASSET:

RTE DESCRIPTION: From Hunters Road 1 (Route 413) to Pintail Slough 3 West Access Road (Route 407)

Section Number	001	002			
Section Length (miles)	1.02	0.28			
Inspection Date	4/8/2008	4/8/2008			
<b>Section Information</b>					
Surface Type	Native	Native			
Number of Lanes	1	1			
Roadway Width (feet)	12	12			
<b>Roadway Condition Information</b>					
Condition	Fair	Fair			
Remaining Service Life (years)	3	3			
Cost Estimate	\$2200	\$600			
CRV	\$356200	\$96200			

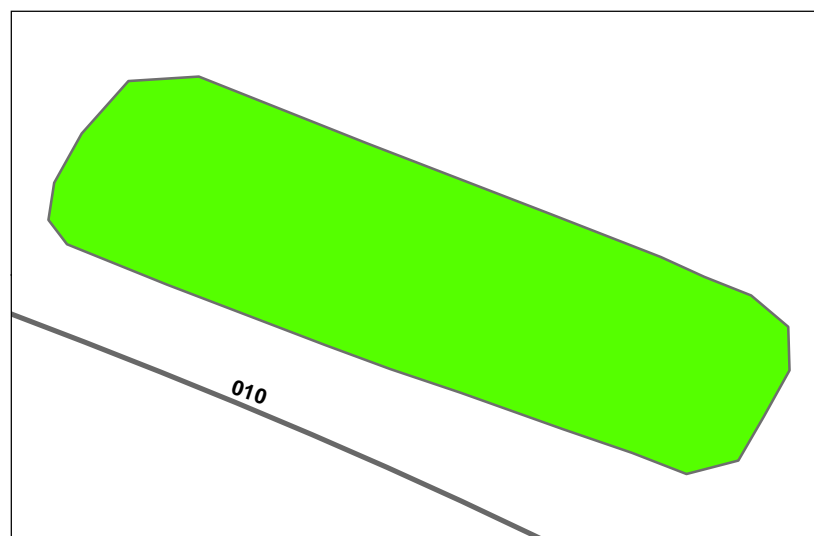
## Route 800: Administrative Parking 1

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	6860	Excellent	\$0



## Route 801: Administrative Parking 2

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	3200	Good	\$500



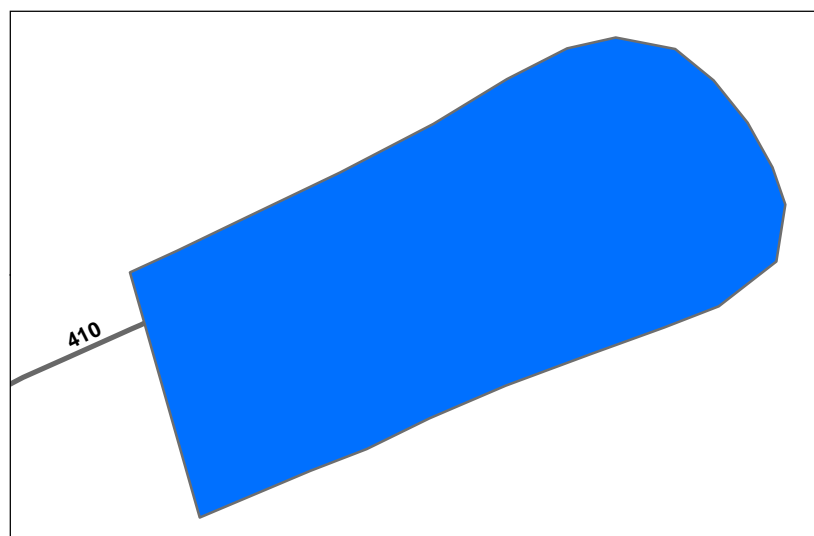
20 10 0 20 40 Feet

A scale bar with alternating black and white segments, corresponding to the measurements 20, 10, 0, 20, and 40 feet.




## Route 802: Lake Beal Tower Road Parking

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	4198	Excellent	\$0

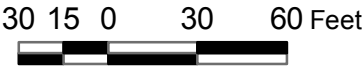
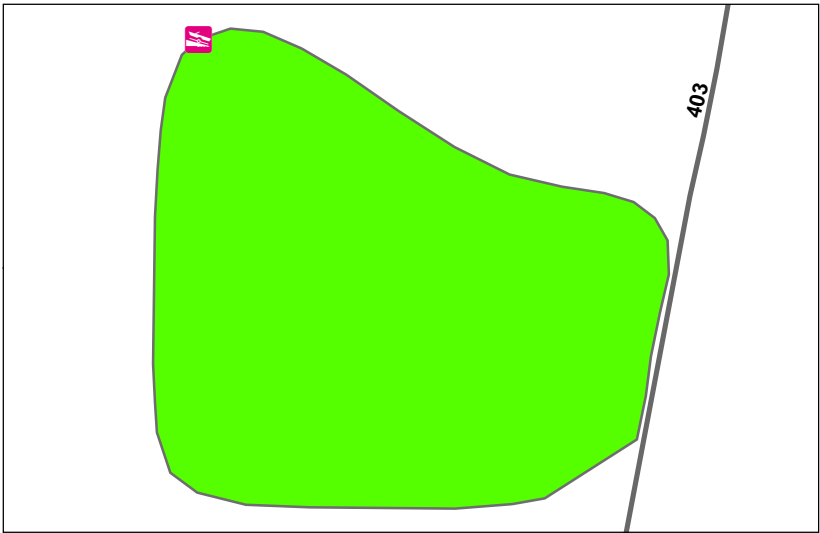


20 10 0 20 40 Feet



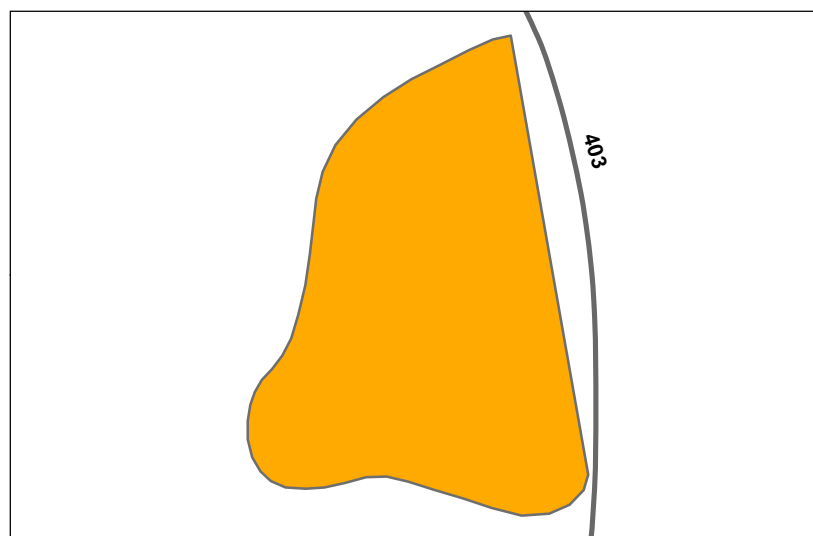
# Route 803: Interior Road Administrative Parking

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	17374	Good	\$2500



## Route 804: Interior Road Parking

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Native	24912	Poor	\$19700

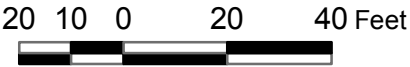
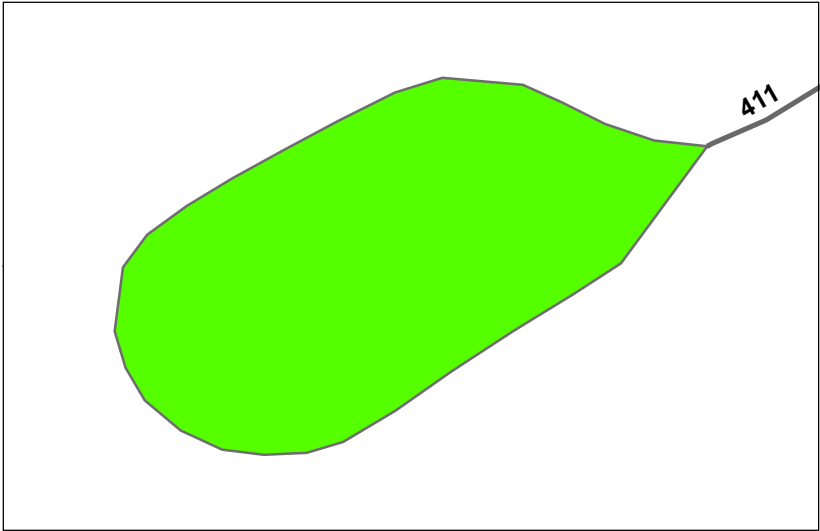


50 25 0 50 100 Feet



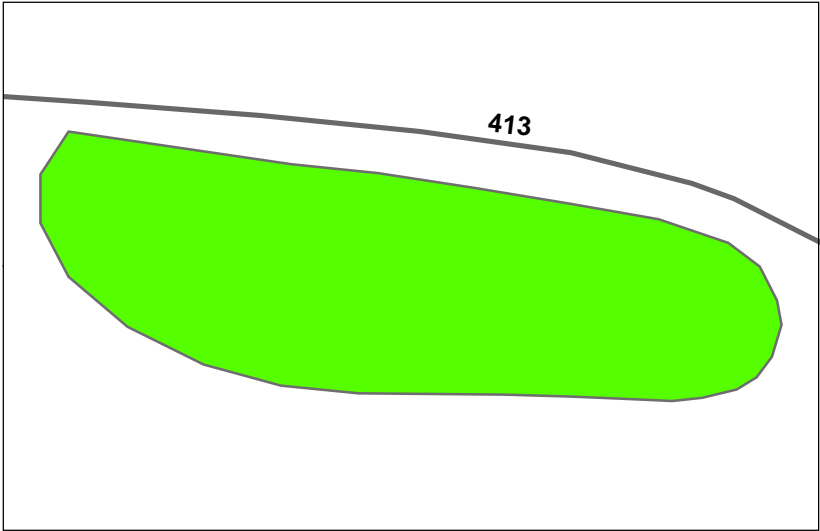
**Route 805: Hunter Unit Parking 1**

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	4045	Good	\$600



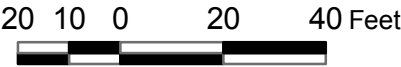
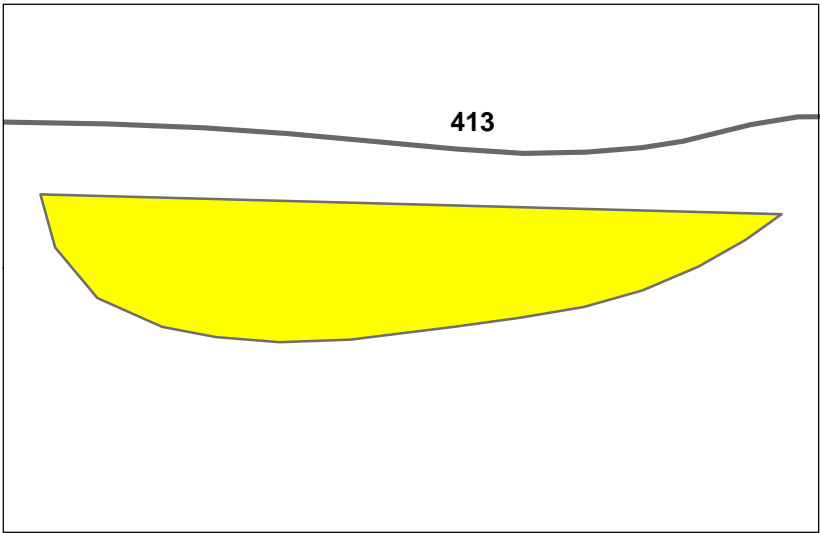
**Route 806: Hunter Unit Parking 2**

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	4159	Good	\$600



**Route 807: Hunter Unit Parking 3**

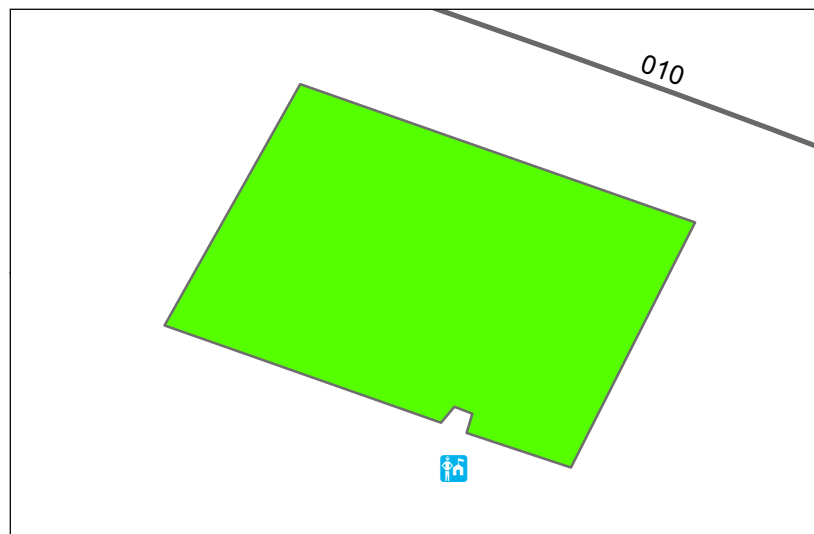
Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/8/2008	Gravel	2390	Fair	\$600





## Route 900: Visitor Center Parking Area

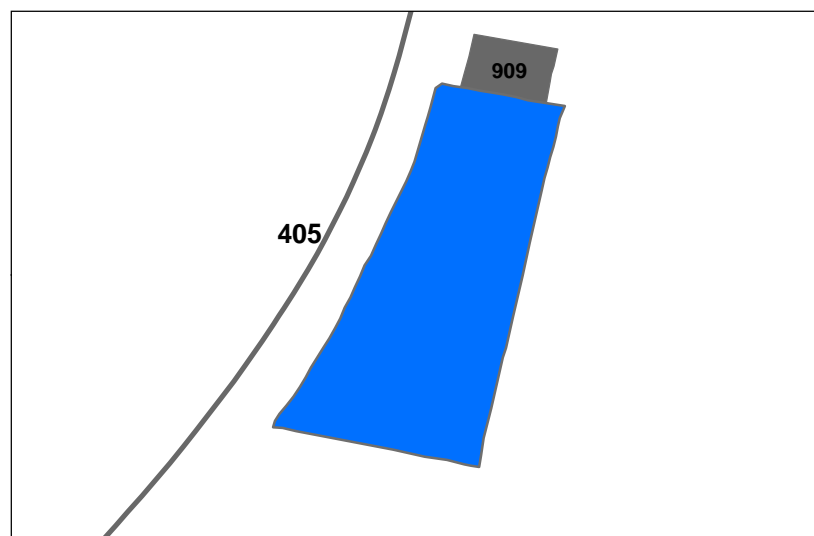
Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
10009810	4/7/2008	Asphalt	2251	Good	\$400



20 10 0 20 40 Feet

## Route 901: Refuge Farm Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/8/2008	Gravel	8127	Excellent	\$0

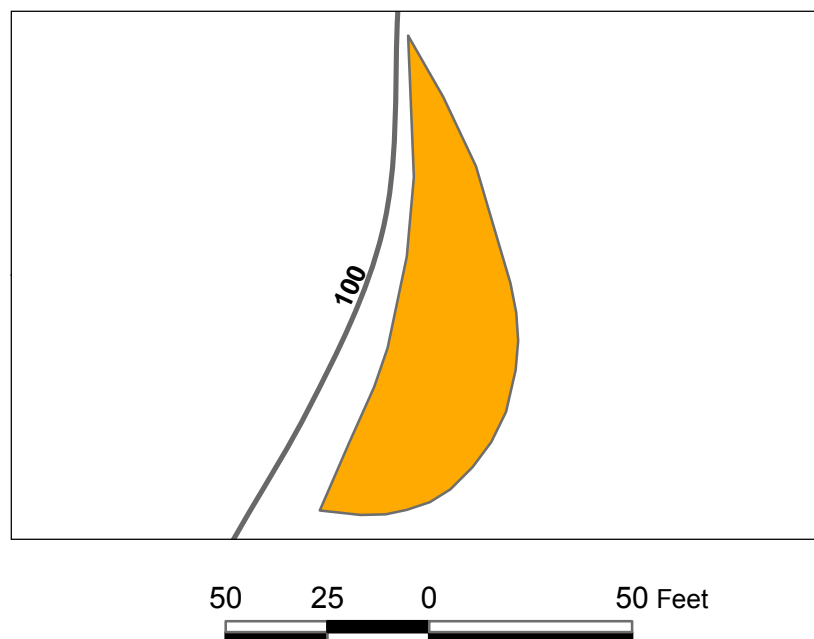


40 20 0 40 80 Feet

A scale bar with markings for 40, 20, 0, 40, and 80 feet.

## Route 902: Pintail Slough Parking Area

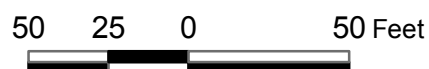
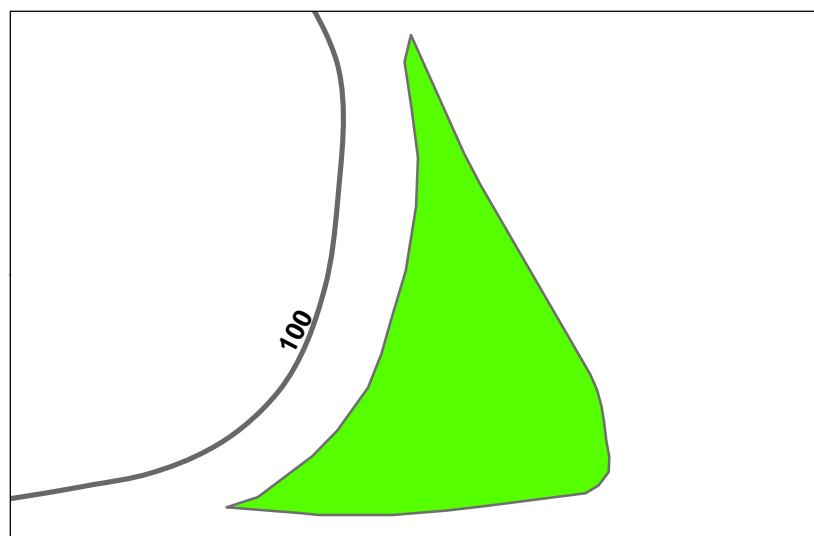
Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	2174	Poor	\$2300





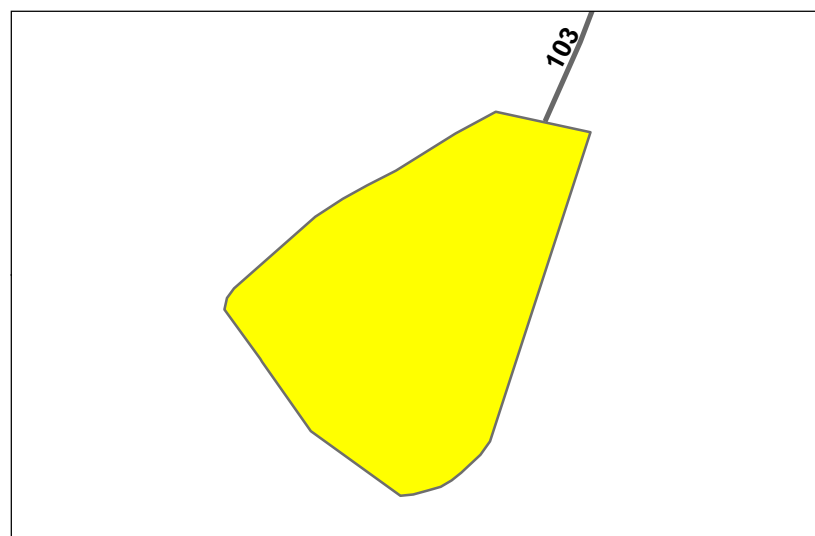
## Route 903: North Dike Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
10009751	4/7/2008	Gravel	5460	Good	\$800



## Route 905: Castle Rock Parking Area

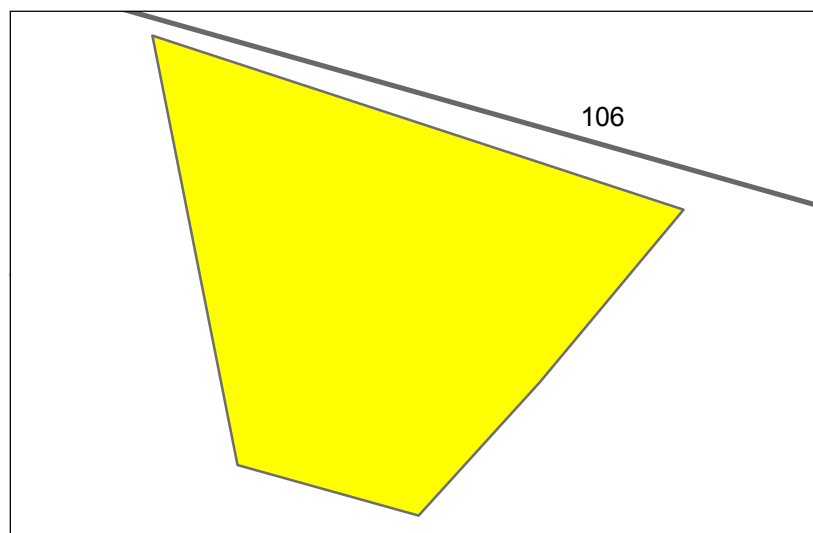
Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
10009817	4/7/2008	Gravel	11473	Fair	\$3000




50 25 0 50 100 Feet

## Route 906: New South Dike Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	1378	Fair	\$400



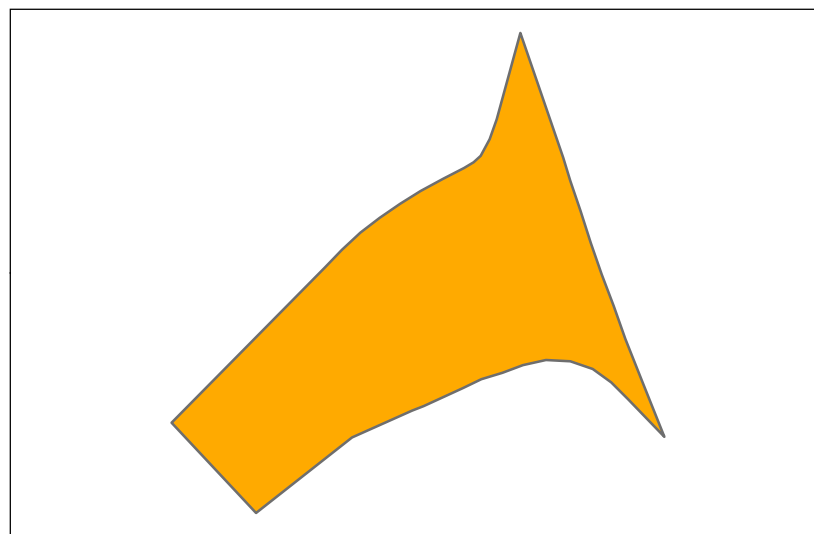
10 5 0 10 20 Feet





## Route 907: Mesquite Bay Phase 1 Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
10009802	4/7/2008	Asphalt	15110	Poor	\$70600

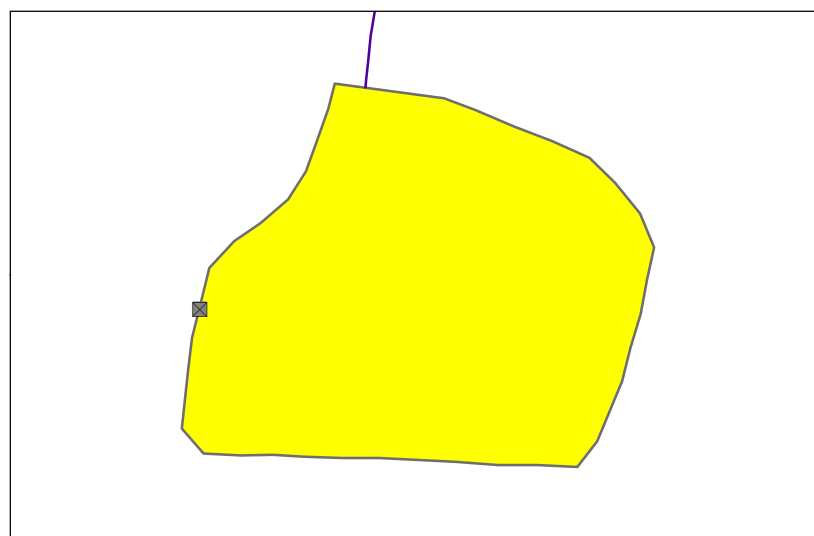


40 20 0 40 80 Feet




## Route 908: Mesquite Bay Phase 2 Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	7593	Fair	\$2000

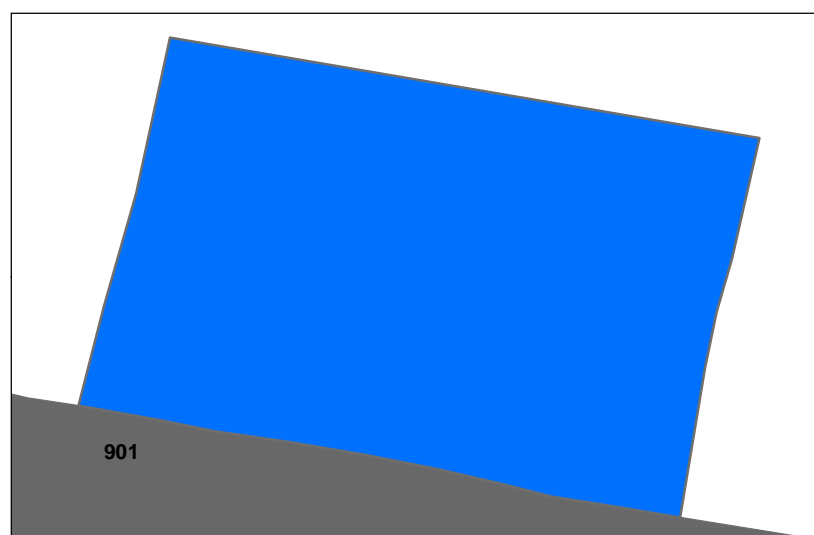


50 25 0 50 Feet



## Route 909: Refuge Farm Handicapped Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/8/2008	Concrete	655	Excellent	\$0



10 5 0 10 Feet

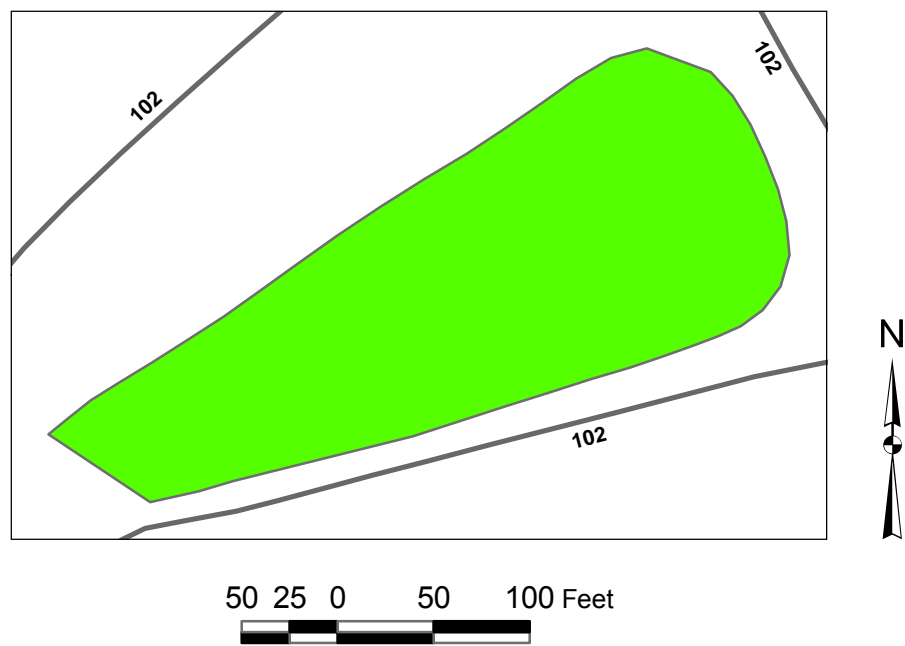




**Route 910: Five Mile Landing Road Parking**

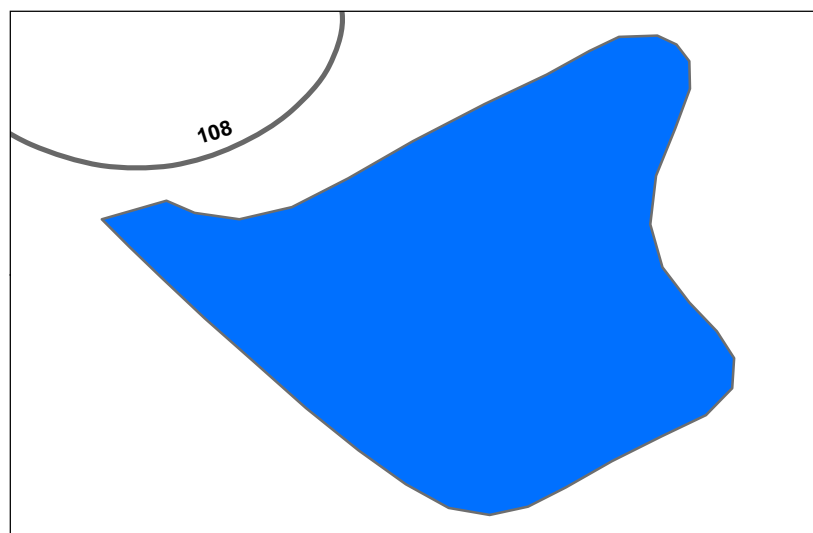
Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
10009818	4/7/2008	Native	15581	Good	\$2300

NO PHOTO




## Route 912: Upper Levee Road Parking

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	19940	Excellent	\$0

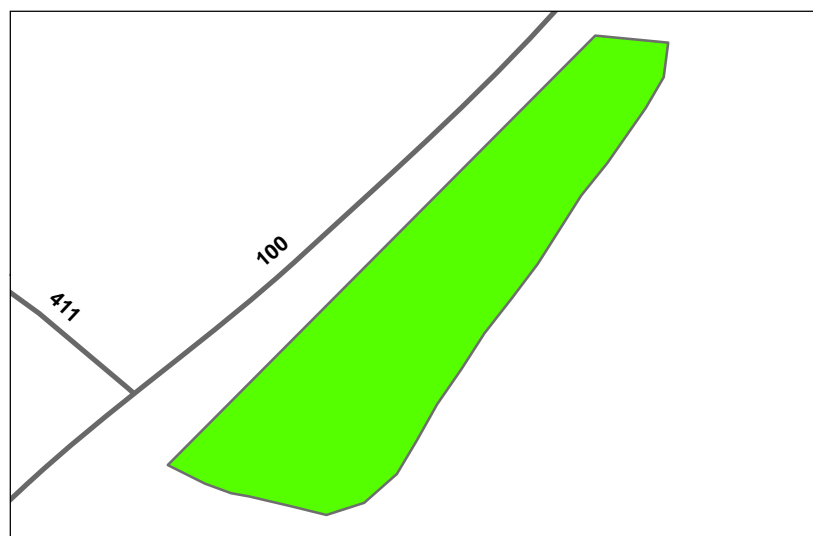


50 25 0 50 100 Feet



## Route 913: Pintail Slough Parking Area 2

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Gravel	3356	Good	\$500

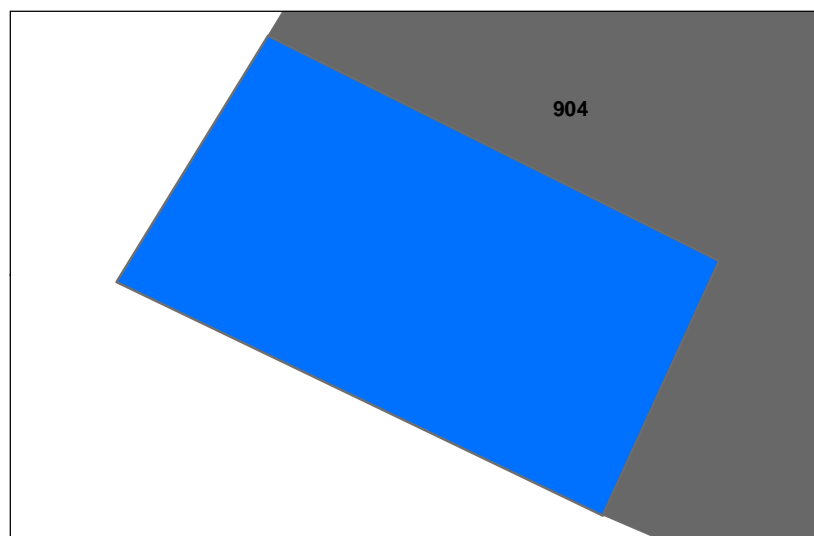


50 25 0 50 Feet



## Route 914: Catfish Paradise Handicapped Parking Area

Asset Number	Date Visited	Surface Type	Area (sq ft)	Condition	Cost to Improve
	4/7/2008	Concrete	506	Excellent	\$0



10 5 0 10 Feet

Refuge Name Bridge Inventory					
Rte #	Milepost	NBIS #	Sufficiency Rating	Functionally Obsolete	Structurally Deficient
402	0.48	n/a	n/a	n/a	n/a
443	0.49	n/a	n/a	n/a	n/a

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 010 ROUTE NAME: Headquarters Drive



Photo # 3497 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 011 ROUTE NAME: Headquarters Drive Connector Road



Photo # 3498 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 011 ROUTE NAME: Headquarters Drive Connector Road



Photo # 3499 - MP 0.04 - Begin Section 002



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 100 ROUTE NAME: North Dike Public Access Road



Photo # 3569 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 101 ROUTE NAME: Upper Levee Cut Across Road 1



Photo # 3695 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3519 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3520 - MP 0.07 - Begin Section 002

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3521 - MP 0.04 - Begin Section 003

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3522 - MP 0.11 - Begin Section 004



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3523 - MP 0.12 - Begin Section 005

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 3524 - MP 0.15 - Begin Section 006

ROUTE NUMBER: 102 ROUTE NAME: Five Mile Landing Road



Photo # 2278 - MP 0.00 - Begin Section 007



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 103 ROUTE NAME: Castle Rock Road



Photo # 3503 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 104 ROUTE NAME: Mesquite Bay Phase 2 Road



Photo # 3509 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 105 ROUTE NAME: Catfish Paradise Access Road



Photo # 3525 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 105 ROUTE NAME: Catfish Paradise Access Road



Photo # 3533 - MP 0.00 - Begin Section 002

ROUTE NUMBER: 105 ROUTE NAME: Catfish Paradise Access Road



Photo # 3527 - MP 0.16 – Culvert - DEFICIENCY

ROUTE NUMBER: 105 ROUTE NAME: Catfish Paradise Access Road



Photo # 3527 - MP 0.00 – Culvert - DEFICIENCY



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 106 ROUTE NAME: New South Dike Access Road



Photo # 3535 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3701 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3702 - MP 1.03 - Begin Section 002



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3703 - MP 2.00 - Begin Section 003

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3704 - MP 3.14 - Begin Section 004

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3705 - MP 4.02 - Begin Section 005

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3706 - MP 5.02 - Begin Section 006

ROUTE NUMBER: 107 ROUTE NAME: Lower Levee Road



Photo # 3707 - MP 6.02 - Begin Section 007

ROUTE NUMBER: 108 ROUTE NAME: Upper Levee Road

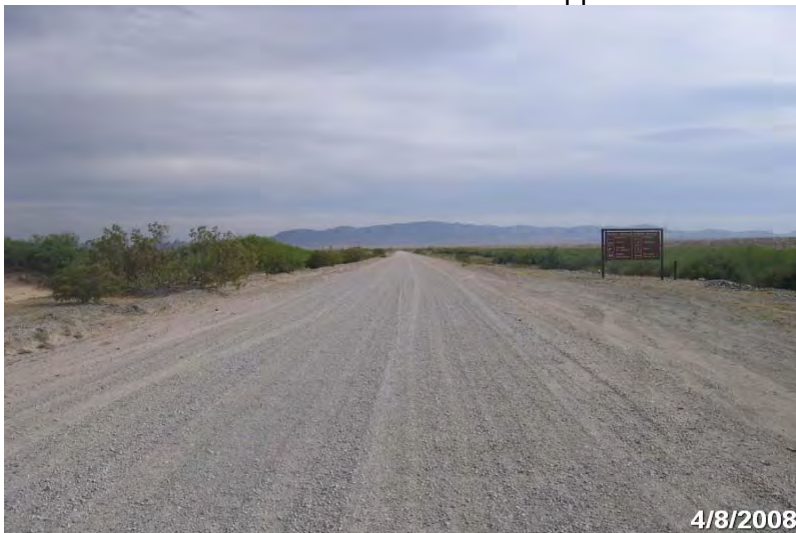


Photo # 3691 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 108 ROUTE NAME: Upper Levee Road



Photo # 3692 - MP 1.08 - Begin Section 002

ROUTE NUMBER: 108 ROUTE NAME: Upper Levee Road



Photo # 3693 - MP 2.06 - Begin Section 003

ROUTE NUMBER: 108 ROUTE NAME: Upper Levee Road

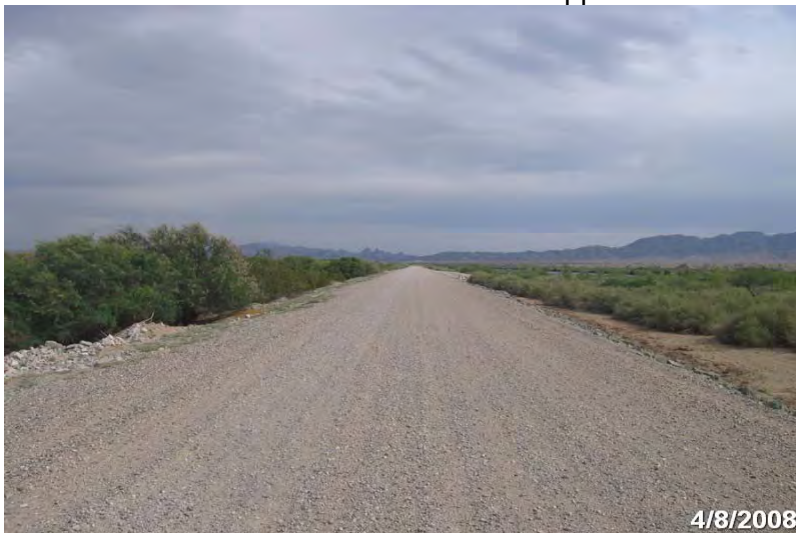


Photo # 3694 - MP 3.06 - Begin Section 004



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 109 ROUTE NAME: Upper Levee Cut Across Road 2



Photo # 3696 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 110 ROUTE NAME: Topock Marina Road



Photo # 3518 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 111 ROUTE NAME: South Dike Public Access Road



Photo # 3534 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 112 ROUTE NAME: Upper Levee Cut Across Road 3



Photo # 3697 - MP 2.70 - Begin Route at Begin Section

ROUTE NUMBER: 113 ROUTE NAME: Upper Levee Cut Across Road 4



Photo # 3698 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 114 ROUTE NAME: Upper Levee Cut Across Road 5



Photo # 3699 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 115 ROUTE NAME: Upper Levee Cut Across Road 6



Photo # 3700 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 400 ROUTE NAME: North Dike Road



Photo # 3566 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 401 ROUTE NAME: Pintail Slough Road 5



Photo # 3637 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 401 ROUTE NAME: Pintail Slough Road 5



Photo # 3640 - MP 1.02 - Begin Section 002

ROUTE NUMBER: 402 ROUTE NAME: South Dike Road



Photo # 3538 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 402 ROUTE NAME: South Dike Road



Photo # 3539 - MP 0.48 - Bridge

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 402 ROUTE NAME: South Dike Road



Photo # 3540 - MP 1.04 - Begin Section 002

ROUTE NUMBER: 402 ROUTE NAME: South Dike Road



Photo # 3541 - MP 2.03 - Begin Section 003

ROUTE NUMBER: 402 ROUTE NAME: South Dike Road



Photo # 3542 - MP 3.05 - Begin Section 004



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3548 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3551 - MP 1.04 - Begin Section 002

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3552 - MP 2.05 - Begin Section 003



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3553 - MP 3.04 - Begin Section 004

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3559 - MP 4.06 - Begin Section 005

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3561 - MP 5.06 - Begin Section 006

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3562 - MP 6.07 - Begin Section 007

ROUTE NUMBER: 403 ROUTE NAME: Interior Road



Photo # 3563 - MP 7.05 - Begin Section 008

ROUTE NUMBER: 404 ROUTE NAME: Fire Break Road



Photo # 3593 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 404 ROUTE NAME: Fire Break Road

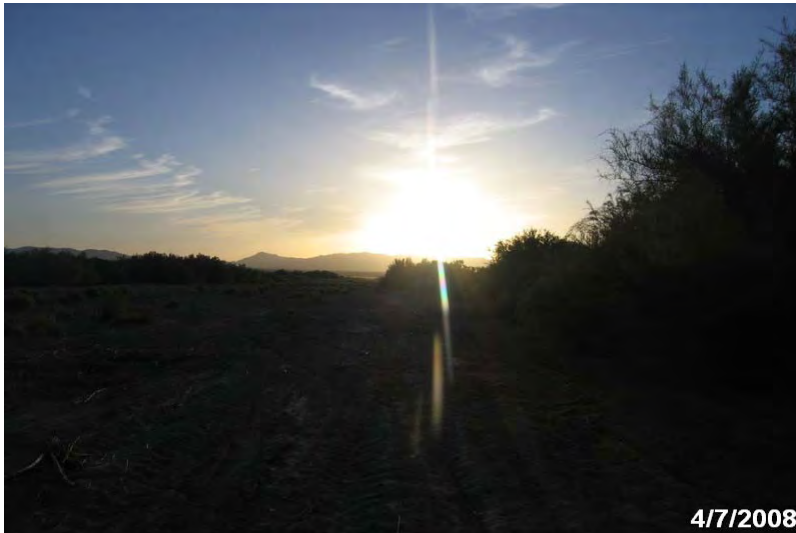


Photo # 3594 - MP 1.18 - Begin Section 002

ROUTE NUMBER: 404 ROUTE NAME: Fire Break Road



Photo # 3595 - MP 1.93 - Begin Section 003

ROUTE NUMBER: 405 ROUTE NAME: Farm Ditch Road



Photo # 3680 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 405 ROUTE NAME: Farm Ditch Road



Photo # 3681 - MP 1.01 - Begin Section 002

ROUTE NUMBER: 405 ROUTE NAME: Farm Ditch Road



Photo # 3682 - MP 1.84 - Begin Section 003

ROUTE NUMBER: 406 ROUTE NAME: Pintail Slough 3 East Access Road

No Photo - MP 0.00 - Begin Section 001

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 407 ROUTE NAME: Pintail Slough 3 West Access Road



Photo # 3614 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 408 ROUTE NAME: Pintail Slough Road 10



Photo # 3609 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 408 ROUTE NAME: Pintail Slough Road 10



Photo # 3612 - MP 0.10 - Begin Section 002



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 409 ROUTE NAME: Pump Loop Road



Photo # 3690 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 410 ROUTE NAME: Lake Beal Tower Road



Photo # 3544 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 411 ROUTE NAME: Pintail Slough Road 1



Photo # 3573 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 412 ROUTE NAME: Pintail Slough Road 4



Photo # 3575 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 412 ROUTE NAME: Pintail Slough Road 4



Photo # 3581 - MP 0.25 - Begin Section 002

ROUTE NUMBER: 413 ROUTE NAME: Hunters Road 1



Photo # 3591 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 413 ROUTE NAME: Hunters Road 1



Photo # 3597 - MP 1.02 - Begin Section 002

ROUTE NUMBER: 414 ROUTE NAME: Pintail Slough Road 12



Photo # 3576 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 415 ROUTE NAME: Hunters Blind Access Road 3



Photo # 3613 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 416 ROUTE NAME: North Dike Road 2



Photo # 3636 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 417 ROUTE NAME: Hunters Blind Access Road 1



Photo # 3607 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 418 ROUTE NAME: Hunters Blind Access Road 2



Photo # 3608 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 419 ROUTE NAME: Hunter Road 3



Photo # 3661 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 420 ROUTE NAME: Pintail Slough 7 North Access Road



Photo # 3643 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 421 ROUTE NAME: Hunters Road 2



Photo # 3651 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 421 ROUTE NAME: Hunters Road 2



Photo # 3656 - MP 0.21 - Begin Section 002

ROUTE NUMBER: 422 ROUTE NAME: Pintail Slough Road 11



Photo # 3660 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 423 ROUTE NAME: Pintail Slough Road 4A



Photo # 3589 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 423 ROUTE NAME: Pintail Slough Road 4A



Photo # 3590 - MP 0.07 - Begin Section 002

ROUTE NUMBER: 425 ROUTE NAME: Beal Lake Restoration Parameter Road



Photo # 3664 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 425 ROUTE NAME: Beal Lake Restoration Parameter Road



Photo # 3665 - MP 0.60 - Begin Section 002



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 425 ROUTE NAME: Beal Lake Restoration Parameter Road



Photo # 3666 - MP 0.98 - Begin Section 003

ROUTE NUMBER: 425 ROUTE NAME: Beal Lake Restoration Parameter Road



Photo # 3667 - MP 1.33 - Begin Section 004

ROUTE NUMBER: 426 ROUTE NAME: Beal Lake Restoration Central Access 1



Photo # 3668 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 427 ROUTE NAME: Beal Lake Restoration Central Access 2



Photo # 3670 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 428 ROUTE NAME: Beal Lake Restoration Central Access 3



Photo # 3669 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 429 ROUTE NAME: Beal Lake Restoration Central Access 4



Photo # 3671 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 430 ROUTE NAME: Beal Lake Restoration Central Access 5



Photo # 3672 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 431 ROUTE NAME: Beal Lake Restoration Central Access 6



Photo # 3673 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 433 ROUTE NAME: Beal Lake Restoration Central Access 7



Photo # 3674 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 434 ROUTE NAME: Beal Lake Restoration Central Access 8



Photo # 3675 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 434 ROUTE NAME: Beal Lake Restoration Central Access 8



Photo # 3676 - MP 0.18 - Begin Section 002

ROUTE NUMBER: 435 ROUTE NAME: Beal Lake Restoration Central Access 9



Photo # 3677 - MP 0.00 - Begin Route at Begin Section

## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 436 ROUTE NAME: Beal Lake Restoration Central Access 10



Photo # 3678 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 437 ROUTE NAME: Beal Lake Restoration Central Access 11



Photo # 3679 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 443 ROUTE NAME: New South Dike Road



Photo # 3708 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 443 ROUTE NAME: New South Dike Road



Photo # 3712 - MP 0.07 - Begin Section 002

ROUTE NUMBER: 443 ROUTE NAME: New South Dike Road



Photo # 3711 - MP 0.49 - Bridge

ROUTE NUMBER: 444 ROUTE NAME: Pintail Slough Road 8



Photo # 3641 - MP 0.00 - Begin Route at Begin Section



## FEATURES PHOTOGRAPHS

ROUTE NUMBER: 445 ROUTE NAME: Pintail Slough 7 South Access Road



Photo # 3642 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 446 ROUTE NAME: Pintail Slough Road 2



Photo # 3604 - MP 0.00 - Begin Route at Begin Section

ROUTE NUMBER: 446 ROUTE NAME: Pintail Slough Road 2



Photo # 3606 - MP 1.02 - Begin Section 002

### Accident Summary

Number of Accidents Reported	Timespan of Accidents	Injuries	Fatalities
0	No Accidents to Report	0	0

## APPENDIX

<b>FWS ROAD FUNCTIONAL CLASSIFICATION</b>	
<b>Class I</b>	Principal Refuge Road (Public Roads) - Routes that constitute the main access route, main auto tour route, or thoroughfare for refuge visitors. These routes are accessible by 2WD vehicles. Routes are numbered from 10 to 99.
<b>Class II</b>	Connector Refuge Road (Public Roads) - Routes that provide circulation within the refuge. These routes can also provide access to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, education centers, etc. These routes are accessible by 2WD vehicles. Routes are numbered from 100 to 199.
<b>Class III</b>	Special Purpose Refuge Road (Public Roads) - Roads that provide circulation within special use areas such as campgrounds or public concessionaire facilities or access to remote areas of the refuge. These routes may not be 2WD accessible. Routes are numbered from 200 to 299.
<b>Class IV</b>	Administrative Access Road (Administrative Roads) - Routes intended for access to administrative developments or structures such as maintenance offices, employee quarters, or utility areas. These routes are accessible by 2WD vehicles. These routes may restrict access to the general public. Routes are numbered from 300 to 399.
<b>Class V</b>	Restricted Road (Administrative Roads) - Routes normally closed to the public, such as maintenance roads, service roads, patrol roads, and fire breaks. These routes may be open to the public for a short period of time for a special use, such as hunting access. These routes may not be 2WD accessible. Routes are numbered from 400 to 499.

A refuge road system contains those routes within or giving access to a refuge or other unit of the FWS that are administered by the FWS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a refuge road is not based on traffic volumes or design speed, but on the intended use or function of that route.



## DESCRIPTION OF RATING SYSTEM

Rating Data is collected on four different surface types: Asphalt, Concrete, Gravel, and Native. The Utah LTAP Center's Remaining Service Life (RSL) system is used for all surface types. The RSL system is based on the Strategic Highway Research Program's (SHRP) Distress Identification Manual.

### Asphalt Rating System

Data is collected on the following distresses and conditions:

- **Fatigue Cracking** - Interconnected cracks forming small irregular shapes.
- **Longitudinal Cracking** - Cracks running parallel with the roadway, in the direction of traffic.
- **Transverse Cracking** - Cracks perpendicular to the roadway, going across the lane or lanes.
- **Block Cracking** - Interconnected cracks forming large blocks.
- **Edge Cracking** - Cracks running along the edge of the pavement surface.
- **Patches** - Original surface repaired with new asphalt patch material.
- **Potholes** - Holes or depressions in the pavement.
- **Rutting** - surface depressions in the wheel paths.
- **Roughness** - Evenness of pavement for serviceability.
- **Drainage** - Ability of the road surface to drain water based on proper slope.

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

### Rating Index Formula

Fatigue, longitudinal, transverse, block, and edge cracking, along with patching and potholes are rated on a 0 - 9 scale (0 = no distress, 9 = maximum distress). The rating given is based on the extent and the severity of the distress. Rutting, roughness, and drainage are rated on a 0 - 3 scale (0 = excellent, 3 = poor). Each distress type has given Remaining Service Life (RSL) values (in years) based on the rating for that particular distress. The distress with the rating resulting in the lowest RSL value is considered to be the governing distress. That value is then assigned as the RSL of the road segment.

### Concrete Rating System

Data is collected on the following distresses and conditions:

- **Spalling of Joints** - Chipping, breaking, or cracking of slab edges
- **Joint Seal Damage** - Any damage or condition that enables materials or water to infiltrate into the joint from the surface.
- **Corner Breaks** - A portion of the slab separated by a crack that intersects the adjacent transverse and longitudinal joints, forming approximately a 45° angle to the direction.
- **Broken Slabs** - Faulting and/or cracking localized to individual slabs.
- **Faulting** - Difference in elevation across a crack or joint.
- **Longitudinal Cracking** - Cracks in the pavement running parallel to road.

- **Transverse Cracking** - Cracks in the pavement running perpendicular to the direction of traffic.
- **Patch Deterioration** – Faulting, settling, or cracking of previously placed patch
- **Map Cracking** – A series of cracks that extend only into the upper surface of the Slab

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

### **Rating Index Formula**

The rating procedure for concrete pavement is the same as that for asphalt pavement described previously. Each of the distresses described above are rated on the same 0 – 9 scale. The governing distress is then determined and the RSL associated with that distress is assigned to the road segment.

### **Gravel and Native Rating System**

Data is collected on the following distresses and conditions:

- **Cross Section (Crown)** - Roadway built so that the center is higher than the shoulder, to prevent water from pooling on roadway.
- **Roadside Drainage** - Roadside ditches and culverts to handle water flow and prevent pooling on the roadside.
- **Corrugations (Washboarding)** - Small trenches or holes developing perpendicular to the roadway.
- **Potholes** - Holes or depressions in the roadway.
- **Rutting** - Depressions running parallel with the roadway, in the wheelpaths.
- **Dust** - Amount of dust caused by traffic.
- **Loose Aggregate (Gravel Only)** - Loose gravel, typically piled up on the roadway edges or centerline.

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

### **Rating Index Formula**

The rating procedure for unpaved roads is the same as that for asphalt and concrete pavements described previously. Of the distresses described above, corrugations, potholes, rutting, and loose aggregate are rated on the same 0 – 9 scale previously mentioned. Cross section, roadside drainage, and dust are rated on the same 0 – 3 scale described for asphalt pavement. The governing distress is then determined and the RSL associated with that distress is assigned to the road segment.

### **Condition Descriptions by Surface Type**

The following definitions are used to describe pavement condition for the various surface types. These are general guidelines for condition indications.

## Asphalt

**Excellent** – Recently constructed or overlaid road where construction or overlay was performed correctly- No maintenance required. RSL = 19-20 years.

**Good** – Low extent longitudinal and transverse cracks. All cracks are 1/4" or less with little or no crack erosion. Patches are in good condition and applied correctly. Routine Maintenance recommended. RSL = 13-18 years.

**Fair** - Roads are in good structural condition with little or no fatigue cracking. Longitudinal, transverse, and edge cracking is at medium extent and severity. Block cracking is not extensive. Any patches are in good condition. Preventative maintenance recommended. RSL = 7-12 years.

**Poor** - Road beginning to show signs of structural distress. Fatigue cracking is medium to high extent and medium severity. Cracking will be severe. Surface may have severe block cracking and show. Patches are in fair to poor condition. There is moderate distortion or rutting and occasional potholes. Rehabilitation recommended. RSL = 1-6 years.

**Failed** - Road is severely deteriorated. Signs of structural failure appear along with severe and extensive fatigue cracking, distortion, potholes, or extensive patches in poor condition. Reconstruction recommended. RSL = 0 years.

## Concrete

**Excellent** - New pavement. No maintenance required. RSL = 19-20 years

**Good** - First signs of transverse cracking, patch or repair, more extensive pop-outs, or scaling. Sealing or routine maintenance recommended. RSL = 13-18 years.

**Fair** – Pavement has joint or crack spalling, and/or faulting, along with cracking at corners with broken pieces. Any Patches are in fair condition and faulting is at a minimum. Preventative maintenance recommended. RSL = 7-12 years.

**Poor** - Joints and cracks are open 1 inch, spalled, or patched. Faulting is more severe. Rehabilitation recommended. RSL = 1-6 years.

**Failed** - Most slabs have failed structurally, and faulting is severe. Reconstruction recommended. RSL = 0 years.11-9

The following table shows the relationship between RSL and condition.

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE (Asphalt and Concrete Pavements)								
	FAILED	POOR		FAIR		GOOD		EXCELLENT
RSL Years	0	1-3	4-6	7-9	10-12	13-15	16-18	19-20



## Gravel and Native

**Note** - Native surfaces do not have a gravel layer.

**Excellent** - Newly constructed road that has been constructed properly with proper crown, drainage and gravel layer. Little or no distress. No maintenance recommended. RSL = 8-10 years.

**Good** - Crown, drainage provisions, and gravel layer are in good condition. Distress limited to traffic effects such as dust, loose aggregate, and low severity corrugations (wash boarding). RSL = 5-7 years.

**Fair** - Adequate drainage and crown through majority of roadway. Crown repair, ditch improvement may be necessary. Road has more severe corrugations and potholes. Preventative maintenance recommended. RSL = 3-4 years.

**Poor** - Travel at slow speeds is necessary. Additional gravel layer needed to carry traffic. Poor crown. Ditching is inadequate and rutting is extensive and severe. Rehabilitation recommended. RSL = 1-2 years.

**Failed** - Travel is difficult, and road may be closed at times. Rutting and Corrugations are very severe. Total Reconstruction of road is recommended. RSL = 0 years.

The following table shows the RSL values for gravel and native roads in terms of excellent, good, fair, poor, and failed condition.

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE (Gravel and Native Surfaces)					
	FAILED	POOR	FAIR	GOOD	EXCELLENT
RSL Years	0	1-2	3-4	5-7	8-10