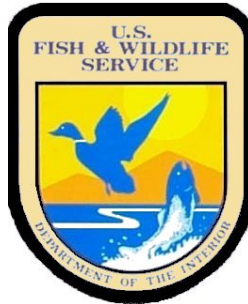


The Road Inventory of Stillwater National Wildlife Refuge Fallon, NV



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
June 2012



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INTRODUCTION

The Transportation Equity Act for the 21st 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 and parking lots. 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 22nd Annual Edition. Cost estimates should be evaluated on a case-by-case basis when being used for programming purposes.

Native Surfaced roads and parking lots already inventoried will not be re-inventoried and will not appear individually in report chapters 5, 6 and 8. Mileages and areas of native surfaced roads and parking lots will still appear in all summaries in the report and will remain in the road inventory database. 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.

Stillwater National Wildlife Refuge - 84590

Summaries

Route Miles and Percentages by Functional Class and Condition

Condition Rating (Based on RSL)*

F. C.	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
I	1.71	26.1%	4.85	73.9%	0.00	0.0%	0.00	0.0%	0.00	0.0%	6.56
II	0.00	0.0%	28.88	61.5%	14.69	31.3%	3.41	7.3%	0.00	0.0%	46.98
III	0.00	0.0%	0.45	37.5%	0.11	9.2%	0.64	53.3%	0.00	0.0%	1.20
IV	0.00	0.0%	0.22	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.22
V	0.00	0.0%	23.62	59.6%	13.87	35.0%	2.17	5.5%	0.00	0.0%	39.66
Totals	1.71	1.8%	58.02	61.3%	28.67	30.3%	6.22	6.6%	0.00	0.0%	94.62

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

Route Miles and Percentages by Surface Type and Condition

Paved Condition Rating [Condition(RSL)]

Surface	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
AS	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00
CO	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00
Totals	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00

Unpaved Condition Rating [Condition(RSL)]

Surface	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
GR	1.71	2.9%	39.69	67.3%	15.60	26.5%	1.96	3.3%	0.00	0.0%	58.96
NA	0.00	0.0%	17.12	51.1%	12.10	36.1%	4.26	12.7%	0.00	0.0%	33.48
PR	0.00	0.0%	1.21	55.5%	0.97	44.5%	0.00	0.0%	0.00	0.0%	2.18
Totals	1.71	1.8%	58.02	61.3%	28.67	30.3%	6.22	6.6%	0.00	0.0%	94.62

Square Footage (Parking Areas)

Condition Rating

Surface	Excellent		Good		Fair		Poor		Failed		Total Square Feet
	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%	Square Feet	%	
AS	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
CO	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
GR	23,871	6.7%	152,430	42.9%	111,885	31.5%	66,758	18.8%	0	0.0%	354,944
NA	0	0.0%	3,830	7.3%	13,444	25.5%	35,525	67.3%	0	0.0%	52,799
PR	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Totals	23,871	5.9%	156,260	38.3%	125,329	30.7%	102,283	25.1%	0	0.0%	407,743

Stillwater National Wildlife Refuge - 84590

Summaries

Route Miles and Percentages by Use Type and Condition

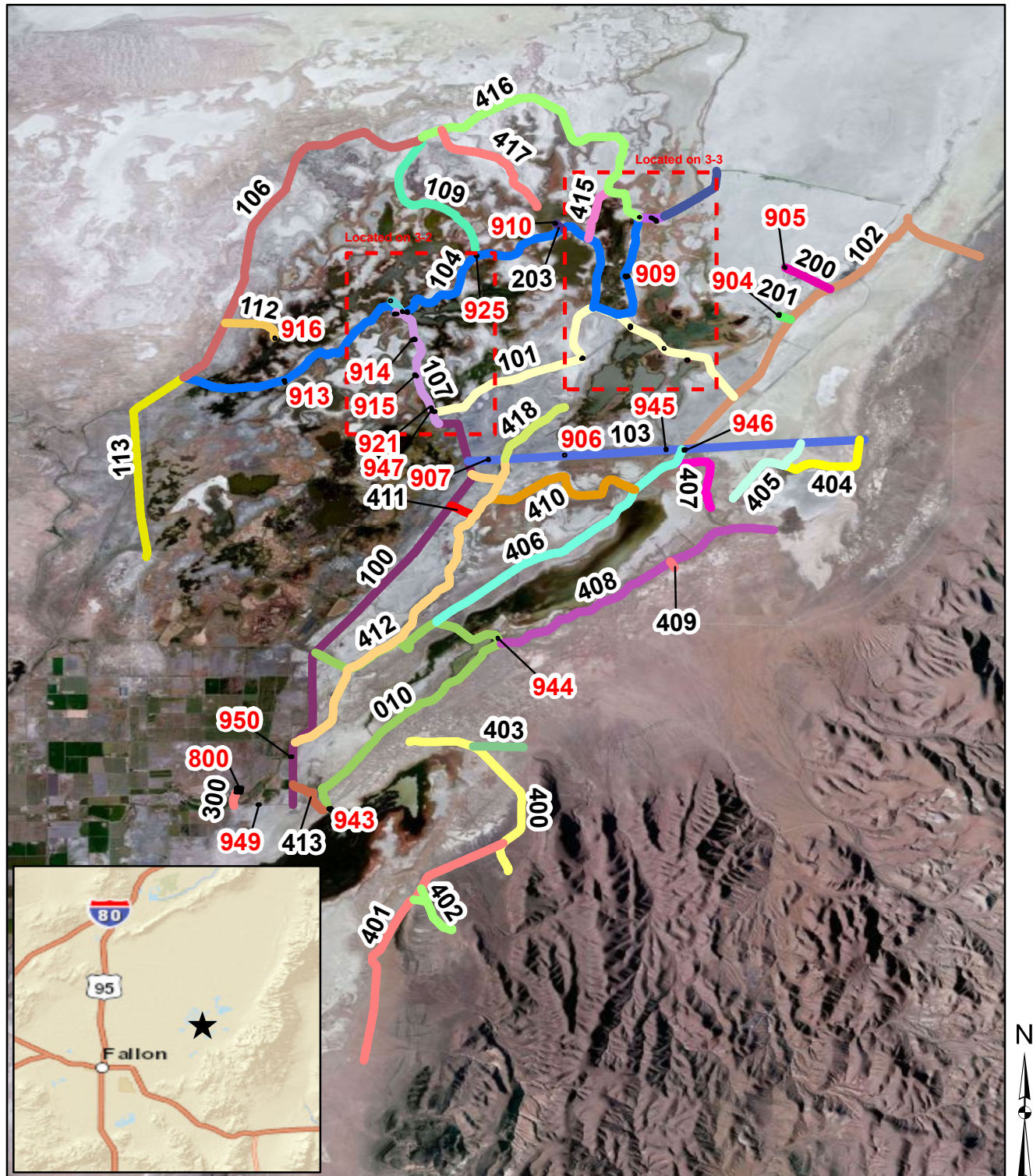
Road Condition Rating: Public/Administrative Use

USE TYPE	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Public (FC I-III)	1.71	3.1%	34.18	62.4%	14.80	27.0%	4.05	7.4%	0.00	0.0%	54.74
Admin (FC IV-V)	0.00	0.0%	23.84	59.8%	13.87	34.8%	2.17	5.4%	0.00	0.0%	39.88
Totals	1.71	1.8%	58.02	61.3%	28.67	30.3%	6.22	6.6%	0.00	0.0%	94.62

Parking Condition Rating: Public/Administrative Use

USE TYPE	Excellent		Good		Fair		Poor		Failed		Total Sq Ft
	Sq Ft	%	Sq Ft	%	Sq Ft	%	Sq Ft	%	Sq Ft	%	
Public	23,871	8.9%	16,955	6.3%	125,329	46.7%	102,283	38.1%	0	0.0%	268,438
Admin	0	0.0%	139,305	100.0%	0	0.0%	0	0.0%	0	0.0%	139,305
Totals	23,871	5.9%	156,260	38.3%	125,329	30.7%	102,283	25.1%	0	0.0%	407,743

Stillwater National Wildlife Refuge Route Location Map

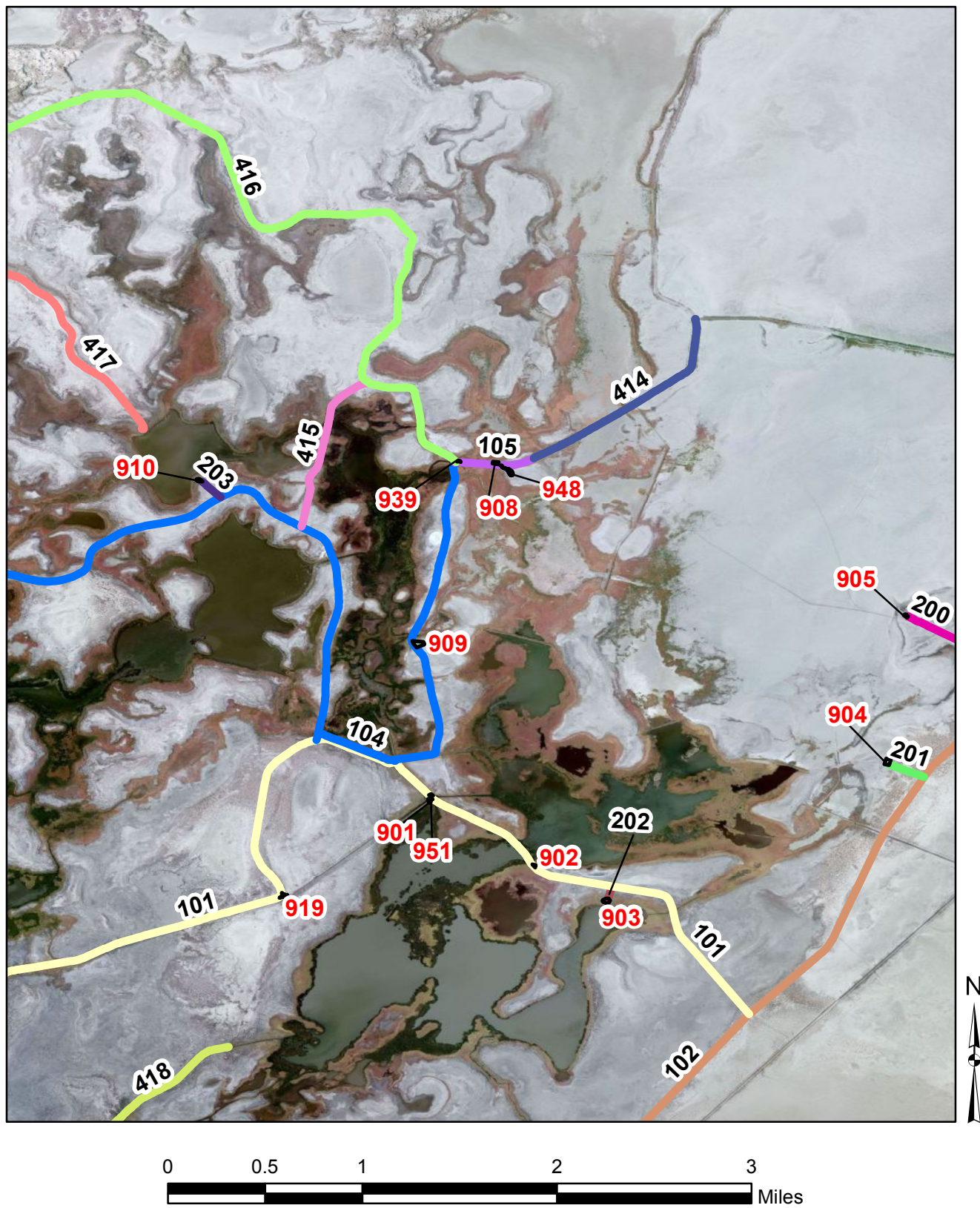


Stillwater National Wildlife Refuge Route Location Map



Stillwater National Wildlife Refuge

Route Location Map



Stillwater - 84590

Route Identification List

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	10059545	Auto Tour Route	6.56	From Lawrence Lane to Hunter Road (Route 100)	-	6.56	2	1
100	10005540*	Hunter Road	6.97	From Lawrence Lane to Lead Lake Road (Route 107)	-	6.97	2	2
101	10005599*	Navy Cabin Road	5.38	From Lead Lake Road (Route 107) to Nutgrass Road (Route 102)	-	5.38	1	2
102	10005601*	Nutgrass Road	5.72	From Division Road (Route 103) to East Boundary	-	5.72	2	2
103	10005696*	Division Road	4.85	From East Boundary to Hunter Road (Route 100)	-	4.85	2	2
104	10005542*	Center Road	9.78	From West County Road (Route 113) to Pintail Bay Road (Route 105)	-	9.78	1	2
105	10005646	Pintail Bay Road	0.32	From Center Road (Route 104) to Pintail Dike Administrative Road (Route 414)	-	0.32	1	2
106	10005602*	North Road	5.63	From West County Road (Route 113) to North Administrative Road (Route 416)	-	5.63	2	2
107	10005603	Lead Lake Road	1.98	From Hunter Road (Route 100) to Center Road (Route 104)	-	1.98	2	2
109	10005607	Willow Lake Dike Road	2.49	From North Road (Route 106) to Center Road (Route 104)	-	2.49	1	2
112	10005744	Millen Landing Access Road	0.74	From North Road (Route 106) to Millen Landing Parking Area (Route 916)	-	0.74	1	2
113	10005580	West County Road	3.12	From Freeman Lane to North Road (Route 106)	-	3.12	2	2
200	10039151	Conradt's Landing Access Road	0.64	From Nutgrass Road (Route 102) to Conradt's Landing Parking Area (Route 905)	-	0.64	1	3
201	10039153	East Parking Access Road	0.15	From Nutgrass Road (Route 102) to East Parking Area (Route 904)	-	0.15	1	3
202	10039155	Goose Lake Landing Access Road	0.07	From Navy Cabin Road (Route 101) to Goose Lake Landing Parking Area (Route 903)	-	0.07	1	3
203	10039157	South Swan Lake Access Road	0.11	From Center Road (Route 104) to South Swan Lake Landing Parking Area (Route 910)	-	0.11	1	3
204	10039158	Narrows Landing Access Road	0.23	From Center Road (Route 104) to Narrows Landing Parking Area (Route 912)	-	0.23	1	3
300	10054628	Shop Road	0.22	From Lawrence Lane to Shop Parking (Route 800)	-	0.22	2	4
400	10005771	Gravel Pit Road	3.09	From Lawrence Lane to South Boundary	-	3.09	2	5
401	10059495	Stillwater Point East Road	4.19	From Gravel Pit Road (Route 400) to South Boundary	-	4.19	2	5
402	10059496	Sandwell Road	1.04	From Stillwater Point East Road (Route 401) to East Boundary	-	1.04	1	5
403	10059497	Four Mile Point Well Road	0.62	From Gravel Pit Road (Route 400) to End of Route	-	0.62	1	5
404	10005545	East Alkali Lake #2 Road	1.32	From Division Road (Route 103) to East Alkali Lake #1 Road (Route 405)	-	1.32	1	5
405	10005544	East Alkali Lake #1 Road	1.35	From Division Road (Route 103) to End of Route	-	1.35	1	5
406	10005745	Foxtail Lake Road	4.18	From Division Road (Route 103) to Auto Tour Route (Route 010)	-	4.18	1	5
407	10005725	Doghead Lake Road	1.14	From Foxtail Lake Road (Route 406) to End of Route	-	1.14	1	5
408	10005747	East Canal Road	4.03	From Auto Tour Route (Route 010) to End of Route	-	4.03	1	5
409	10005772	East Pasture Road	0.12	From East Canal Road (Route 408) to End of Route	-	0.12	1	5

* Route has more than one Asset Number

NUMERIC ROUTE ID

Stillwater - 84590

Route Identification List

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
410	10005724	Cattail/Dry Lake Road	2.29	From Foxtail Lake Road (Route 406) to End of Route	-	2.29	1	5
411	10055262	WC5 Access Road	0.34	From 60 feet east of West Canal Road (Route 412) to Hunter Road (Route 100)	-	0.34	1	5
412	10005723	West Canal Road	5.89	From Division Road (Route 103) to Hunter Road (Route 100)	-	5.89	1	5
413	10005760	Duck Hospital Access Road	0.61	From Hunter Road (Route 100) to End of Route	-	0.61	1	5
414	10038393	Pintail Dike Administrative Road	1.04	From Pintail Bay Road (Route 105) to End of Route	-	1.04	1	5
415	10005606	Swan Lake Dike Road	0.83	From Center Road (Route 104) to North Administrative Road (Route 416)	-	0.83	1	5
416	10005698	North Administrative Road	4.57	From Pintail Bay Road (Route 105) to North Road (Route 106)	-	4.57	1	5
417	10005728	North Swan Lake Road	1.87	From North Administrative Road (Route 416) to End of Route	-	1.87	1	5
418	10036681	West Canal From Division to Goose	1.14	From Division Road (Route 103) to End of Route	-	1.14	1	5

Stillwater National Wildlife Refuge - 84590

Route Identification List (Parking)

Shading Color Key:

White = Paved Routes
Green = Unpaved Routes

Route #	Asset Number	ROUTE NAME	Area (Sq Ft)	ROUTE DESCRIPTION	Surface Type
800	10051441	Shop Parking	139,305	From Shop Road (Route 300)	Gravel
901	10005674	Olano's Landing Parking Area	3,807	From Navy Cabin Road (Route 101)	Native
902	10005672	Rice's Landing Parking Area	2,191	From Navy Cabin Road (Route 101)	Native
903	10005670	Goose Lake Landing Parking Area	14,747	From Goose Lake Landing Access Road (Route 202)	Gravel
904	10005665	East Parking Area	16,464	From East Parking Access Road (Route 201)	Gravel
905	10005662	Conradt's Landing Parking Area	3,788	From Conradt's Landing Access Road (Route 200)	Gravel
906	10005669	Division Road East Parking Area	8,901	From Division Road (Route 103)	Gravel
907	10005667	Division Road West Parking Area	3,937	From Division Road (Route 103)	Gravel
908	10005676	Pintail Bay Landing Parking Area	7,139	From Pintail Road (Route 105)	Gravel
909	10005675	West Parking Area	28,224	From Center Road (Route 104)	Gravel
910	10005682	South Swan Lake Landing Parking Area	5,939	From South Swan Lake Access Road (Route 203)	Native
911	-	Tule Lake Landing Parking Area	11,986	From Center Road (Route 104)	Gravel
912	10005680	Narrows Landing Parking Area	3,535	From Narrows Landing Access Road (Route 204)	Gravel
913	10005678	South Lead Lake Landing Parking Area	8,698	From Center Road (Route 104)	Gravel
914	10005677	Peers Landing Parking Area	15,294	From Lead Lake Road (Route 107)	Native
915	10005683	Lead Lake Parking Area	13,356	From Lead Lake Road (Route 107)	Gravel
916	10005679	Millen Landing Parking Area	6,909	From Millen Landing Access Road (Route 112)	Gravel
919	10005599	Navy Cabin Road	4,672	From Navy Cabin Road (Route 101)	Gravel
921	-	Lead Lake Road Parking 1	10,898	From Lead Lake Road (Route 107)	Native
925	-	Center Road Parking 3	4,491	From Center Road (Route 104)	Native
939	10005646	Center Road Parking 17	1,507	From Pintail Road (Route 105)	Native
943	10036681	Stillwater Point Parking Area	20,779	From Auto Tour Route (Route 010)	Gravel
944	10057202	Foxtail Lake Parking Area	3,092	From Auto Tour Route (Route 010)	Gravel
945	10005600	Division Road Bridge Parking Area	4,842	From Division Road (Route 103)	Native
946	10054648	Division Overnight Area Parking Area	15,182	From Division Road (Route 103)	Gravel
947	10005599	Neils Landing Parking Area	3,830	From Navy Cabin Road (Route 101)	Native
948	10005646	West Nutgrass Parking	14,902	From Pintail Road (Route 105)	Gravel
949	10059599	Kent Wetland Visitor Area Parking	5,122	From Lawrence Lane	Gravel
950	10061756	Tule Trail Parking	8,003	From Hunter Road (Route 100)	Gravel
951	-	Bob's Landing Parking	4,195	From Navy Cabin Road (Route 101)	Gravel
952	10005681	Northwest Tule Lake Landing Parking Area	1,235	From Center Road (Route 104)	Gravel
953	-	Lead Line Road/ Center Road Overnight Parking Area	10,773	From Lead Lake Road (Route 107)	Gravel

CHANGES TO THE FISH AND WILDLIFE SERVICE ROAD INVENTORY REPORT

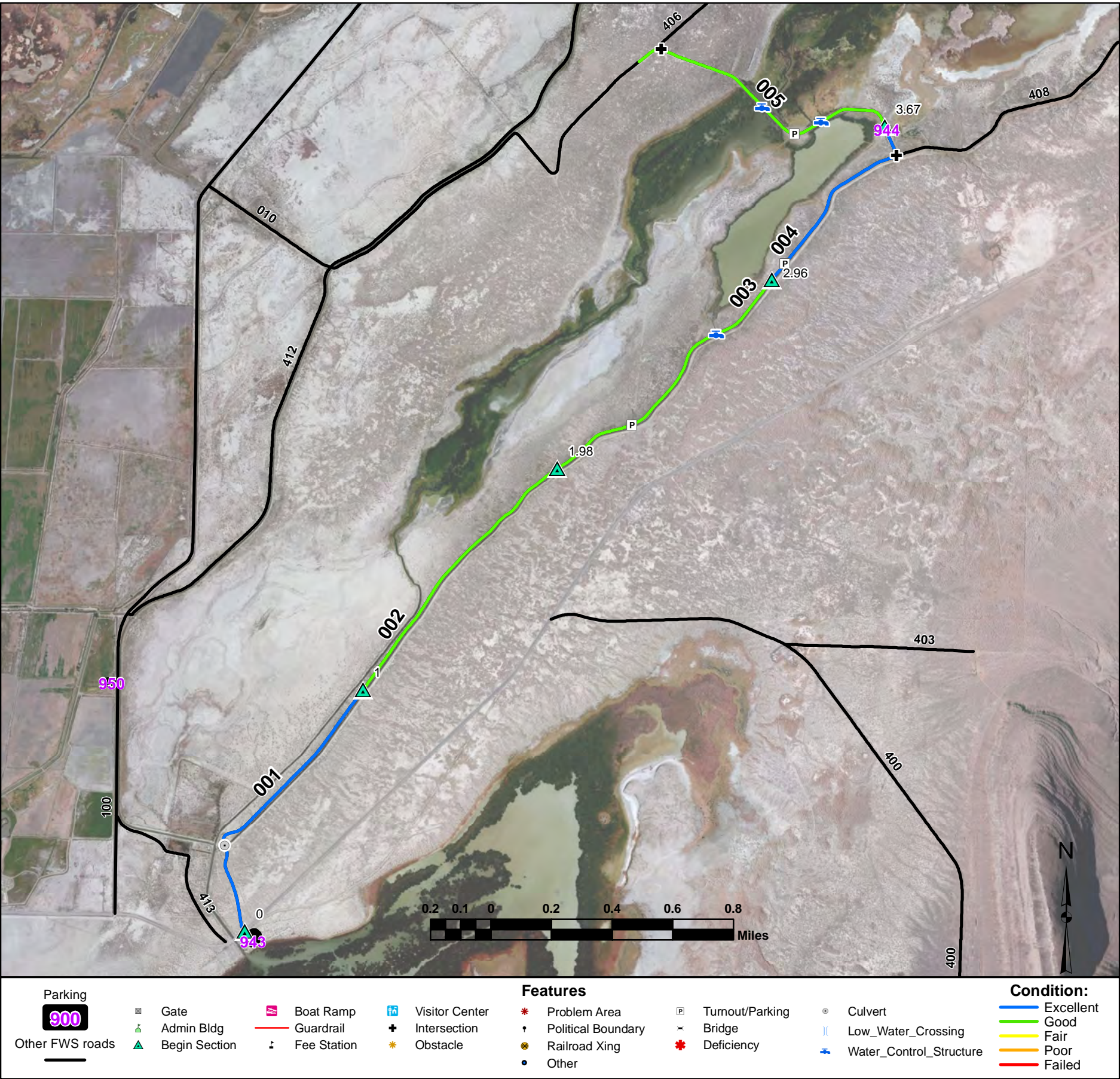
Stillwater National Wildlife Refuge - 84590

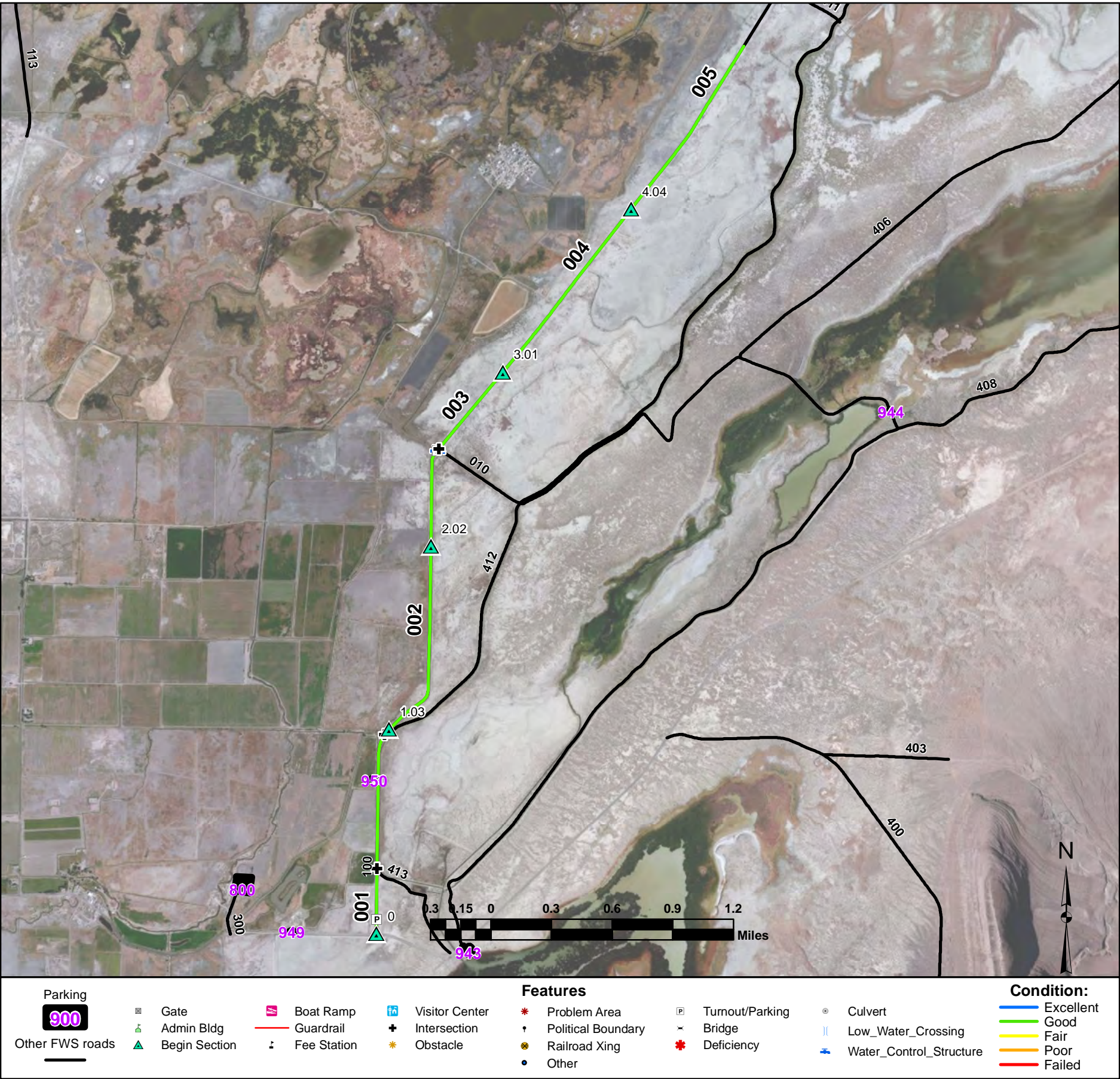
Routes added to previous inventory:		
Rte #	Rte Name	Reason For Addition
300	Shop Road	New Administrative Route
400	Gravel Pit Road	New Administrative Route
401	Stillwater Point East Road	New Administrative Route
402	Sandwell Road	New Administrative Route
403	Four Mile Point Well Road	New Administrative Route
404	East Alkali Lake #2 Road	New Administrative Route
405	East Alkali Lake #1 Road	New Administrative Route
406	Foxtrail Lake Road	New Administrative Route
407	Doghead Lake Road	New Administrative Route
408	East Canal Road	New Administrative Route
409	East Pasture Road	New Administrative Route
410	Cattail/Dry Lake Road	New Administrative Route
411	WC5 Access Road	New Administrative Route
412	West Canal Road	New Administrative Route
413	Duck Hospital Access Road	New Administrative Route
414	Pintail Dike Administrative Road	New Administrative Route
415	Swan Lake Dike Road	New Administrative Route
416	North Administrative Road	New Administrative Route
417	North Swan Lake Road	New Administrative Route
418	West Canal From Division to Goose	New Administrative Route
800	Shop Parking	New Administrative Route
949	Ken Wetland Visitor Area Parking	New Public Route
950	Tule Trail Parking	New Public Route
951	Bob's Landing Parking	New Public Route
952	Northwest Tule Lake Landing Parking Area	New Public Route
953	Lead Line Road/Center Road Overnight Parking Area	New Public Route

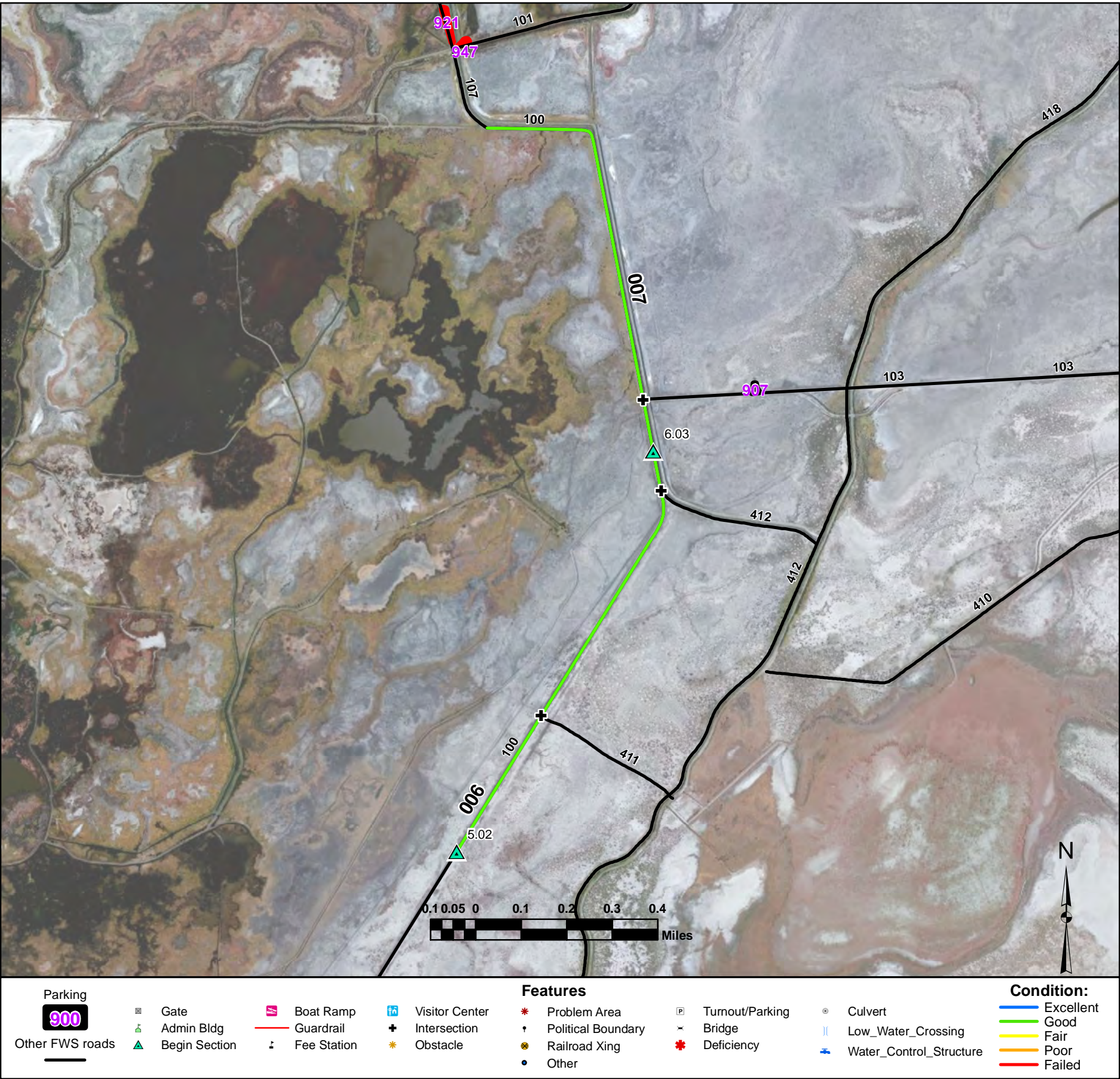
Routes removed from previous inventory:		
Rte #	Rte Name	Reason For Removal
108	North Swan Lake Road	Functional Class Change
922	Lead Lake Road Parking 2	No longer exists
929	Center Road Parking 7	No longer exists

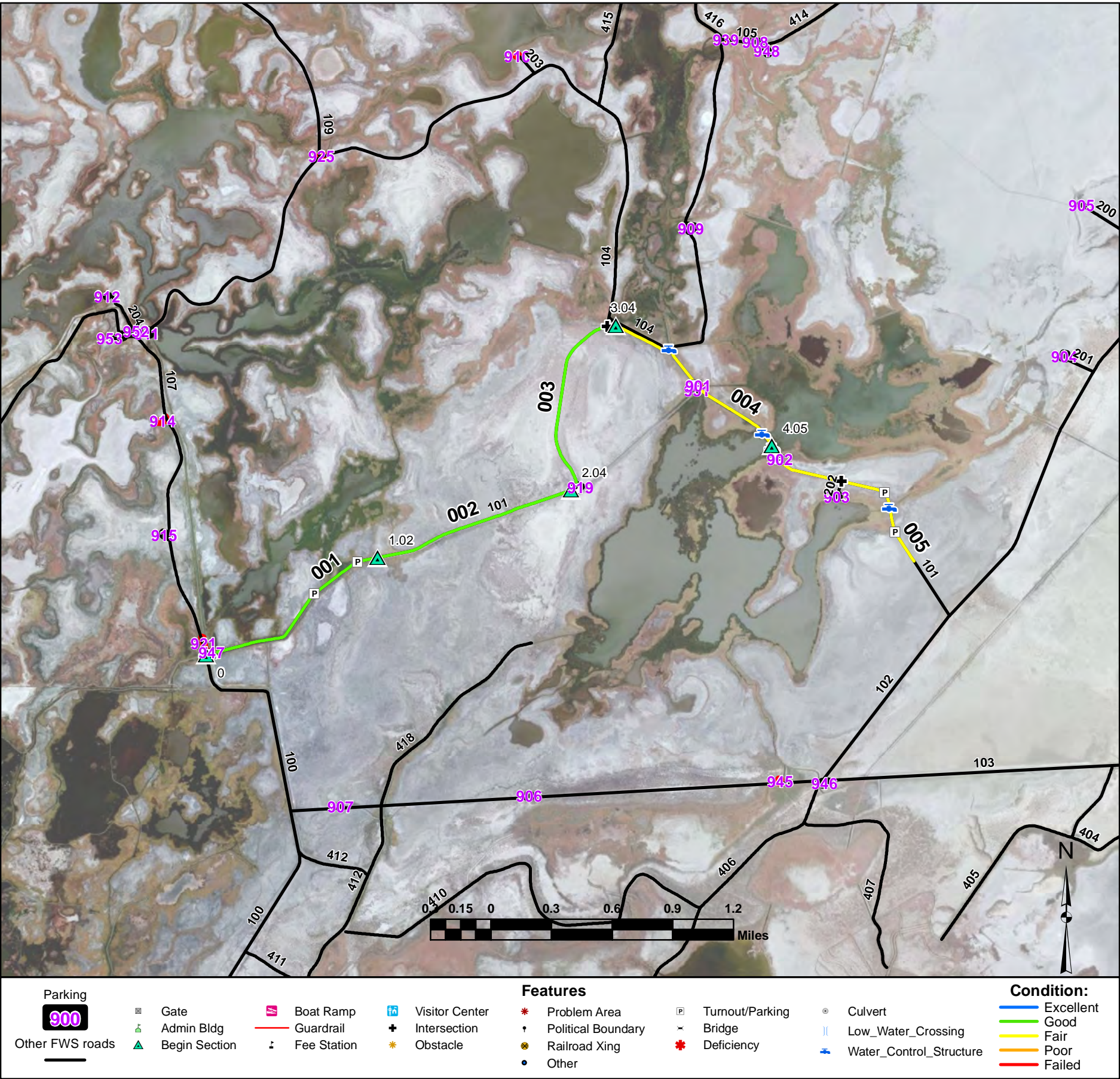
Routes modified from previous inventory:			
Rte #	Rte Name	Type of Modification	Description of Modification
100	Hunter Road	Geometry Change	Removed a section that has been closed since previous cycle
104	Center Road	Surface Change	Corrected Cycle 3 collection errors
107	Lead Lake Road	Geometry Change	Corrected Cycle 3 collection errors
203	South Swan Lake Access Road	Surface Change	Corrected Cycle 3 collection errors
911	Tule Lake Landing Parking Area	Surface Change	Corrected Cycle 3 collection errors
914	Peers Landing Parking Area	Surface Change	Corrected Cycle 3 collection errors
916	Millen Landing Parking Area	Surface Change	Corrected Cycle 3 collection errors
943	Still Point Parking Area	Geometry Change and Surface Change	Corrected Cycle 3 collection errors
947	Neils Landing Parking Area	Surface Change	Corrected Cycle 3 collection errors
948	West Nutgrass Parking	Surface Change	Corrected Cycle 3 collection errors
			Corrected Cycle 3 collection errors

Comments:







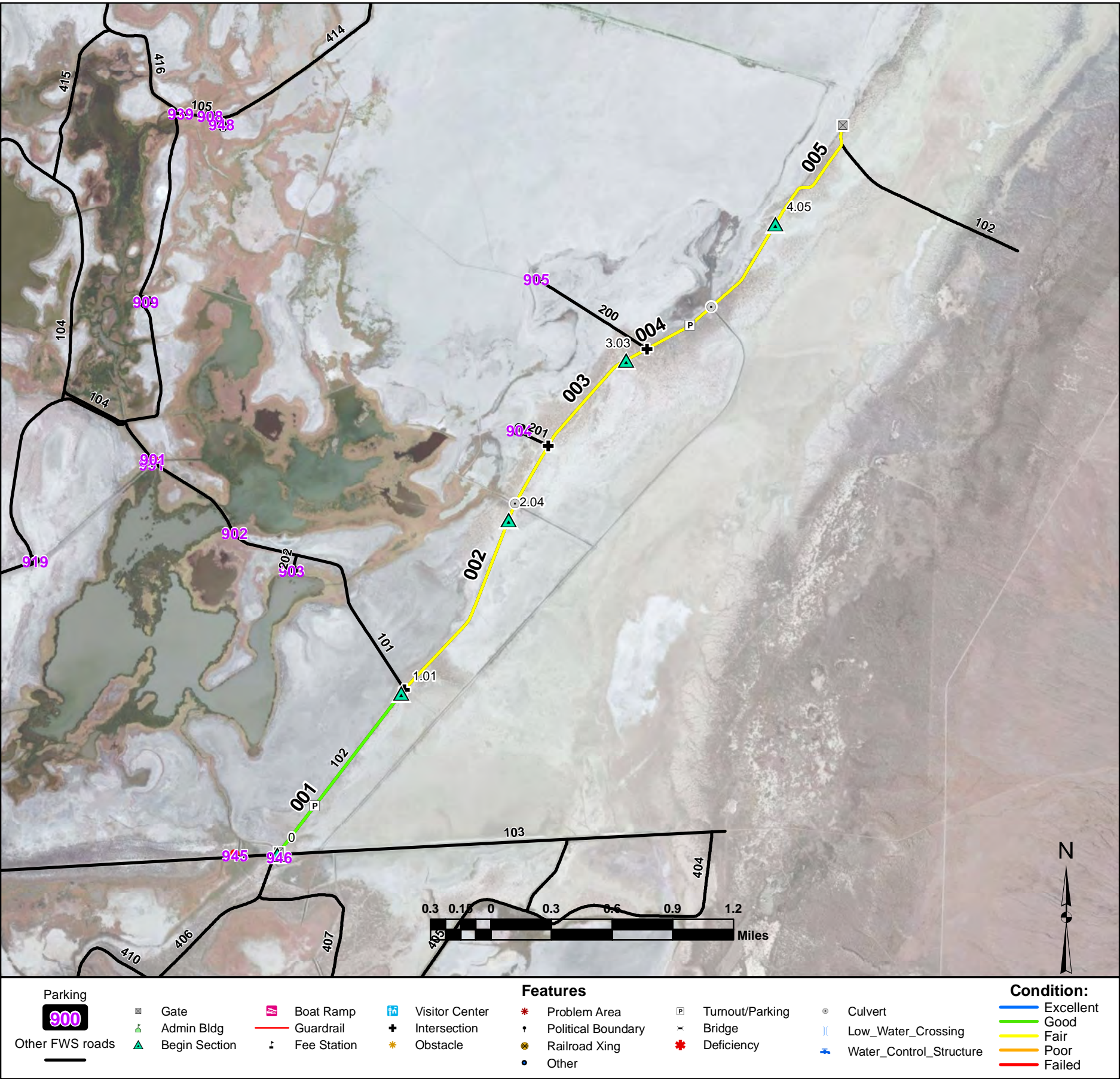


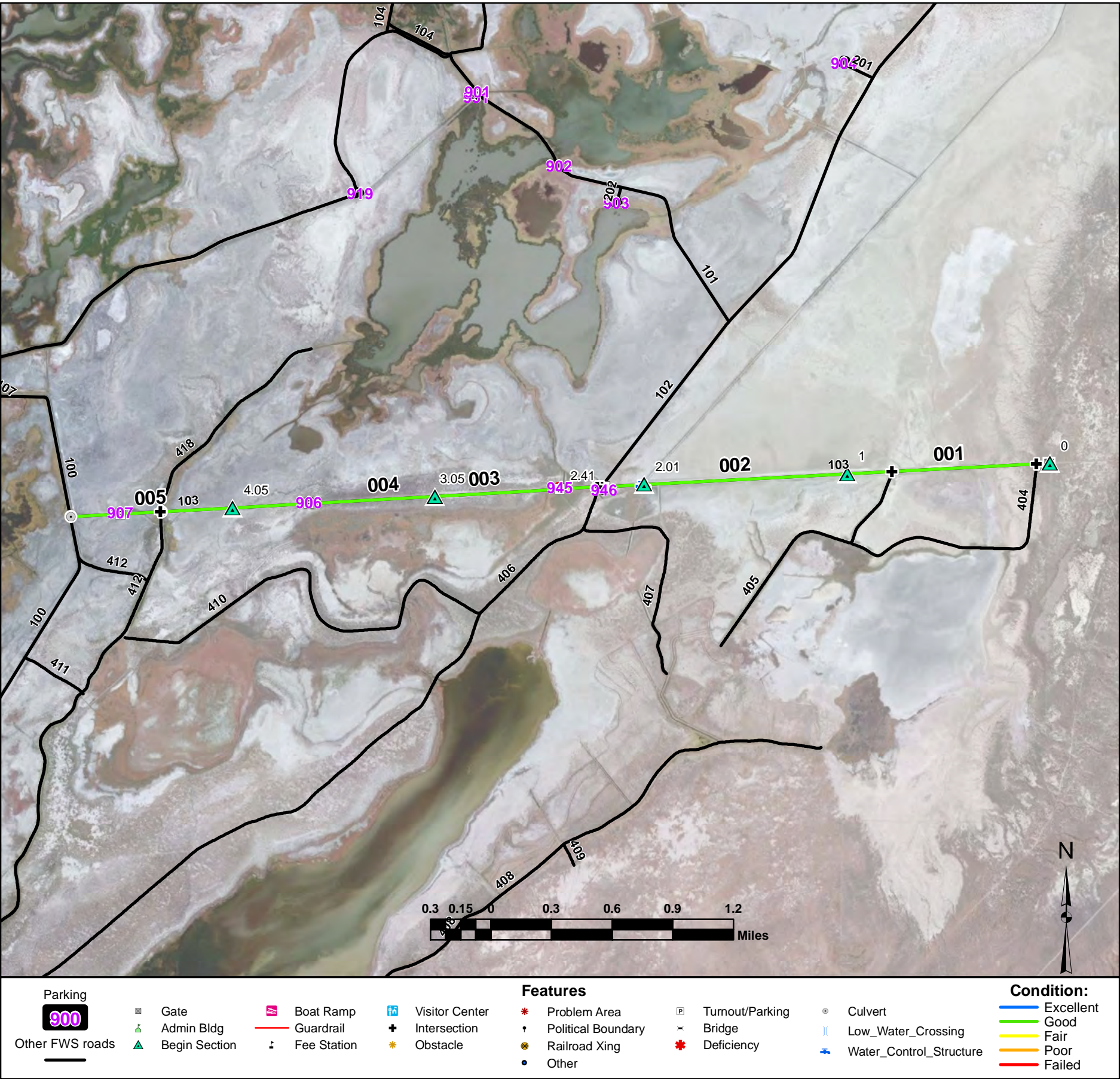
Route Number: 101

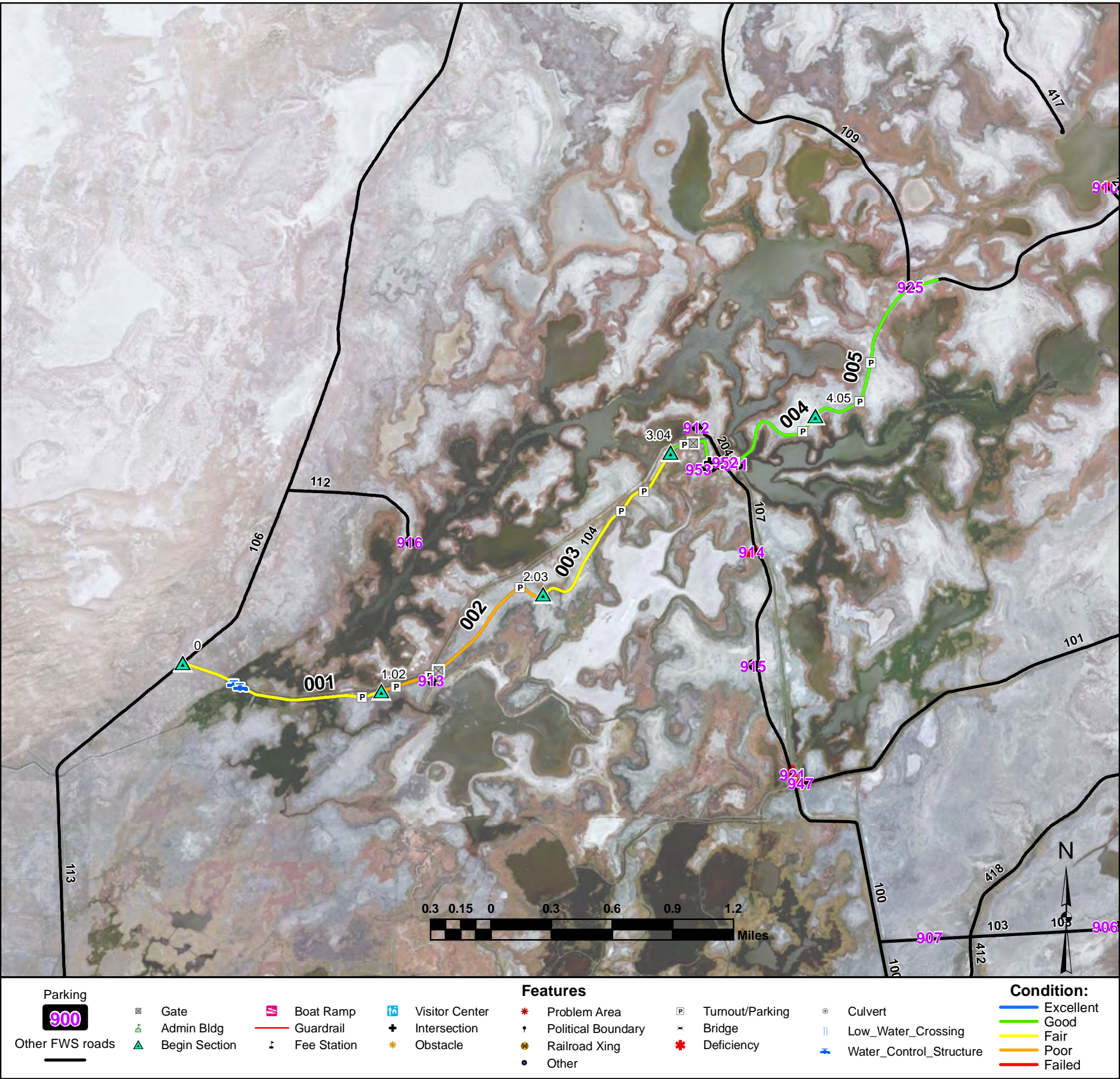
Total Route Mileage: 5.38

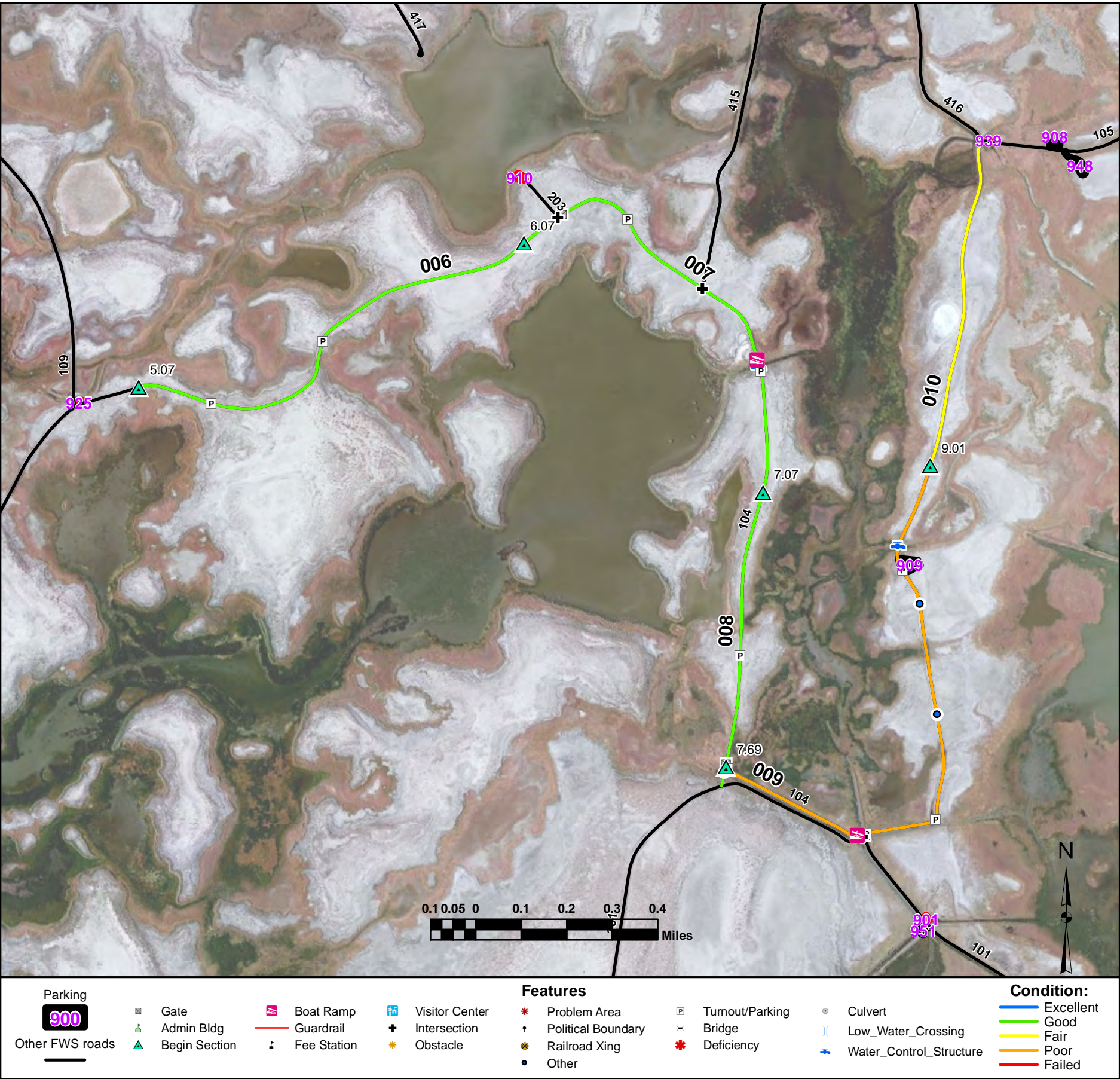
Asset Number	10005599	10005599	10005599	10005746	10005746
Section Number	001	002	003	004	005
Section Length (miles)	1.02	1.02	1.00	1.01	1.01
Inspection Date	04-19-2012	04-19-2012	04-19-2012	04-19-2012	04-19-2012
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel
Number of Lanes	1	1	1	1	1
Roadway Width (feet)	12	14	14	14	14
Condition	Good	Good	Good	Fair	Fair
Remaining Service Life (years)	7	5	5	4	4
Estimated Cost to Repair	\$1,800	\$1,800	\$1,800	\$4,000	\$4,000
Current Replacement Value	\$781,200	\$781,200	\$765,900	\$773,600	\$773,600

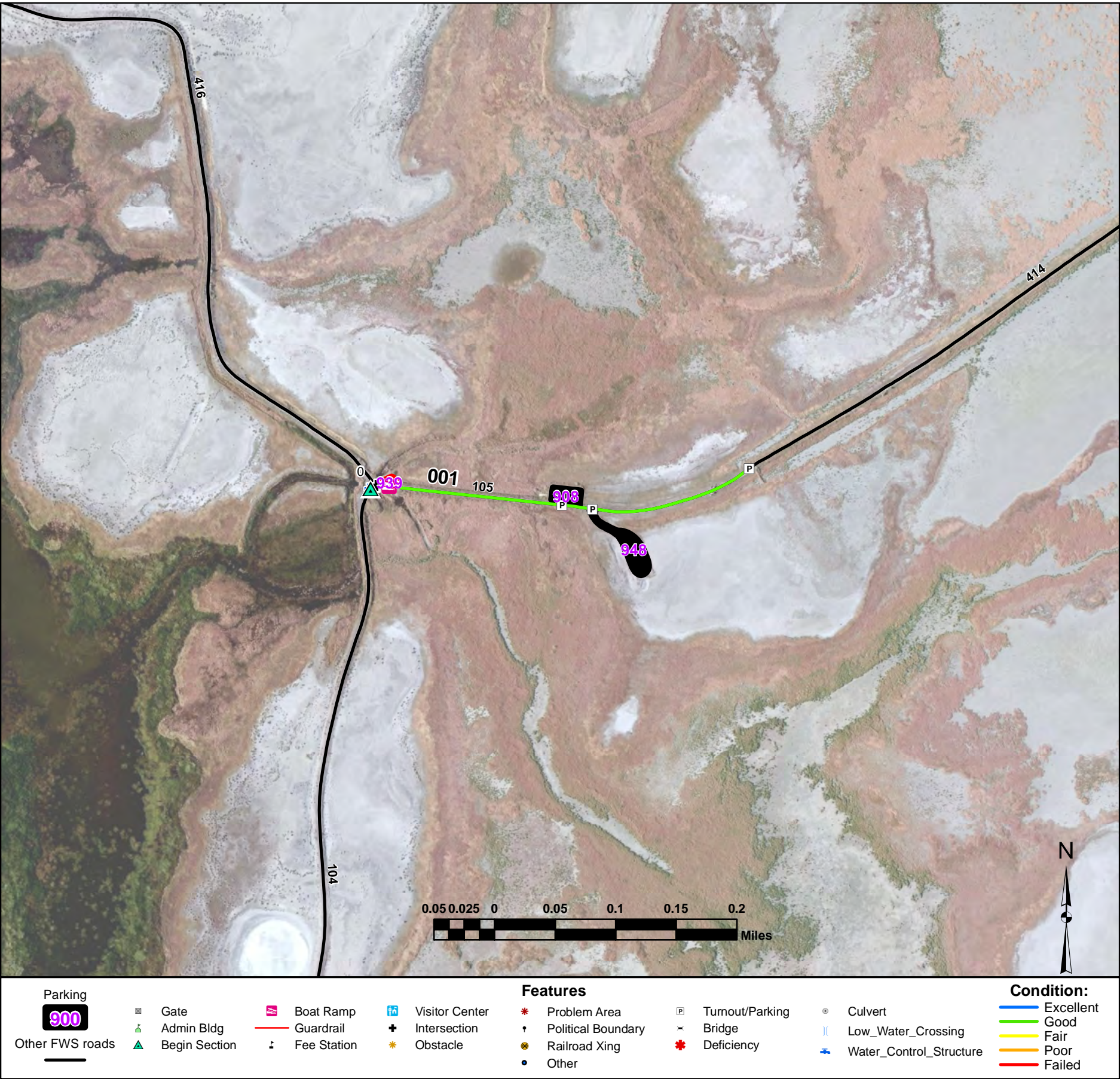
Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0	Water Control Structure	005-4.06				
Water Control Structure	001-0.01	Turnout/Parking	005-4.12				
Water Control Structure	001-0.01	Intersection	005-4.48				
Turnout/Parking	001-0.02	Turnout/Parking	005-4.72				
Turnout/Parking	001-0.65	Water Control Structure	005-4.79				
Turnout/Parking	001-0.91	Turnout/Parking	005-4.9				
Begin Section	002-1.02						
Begin Section	003-2.04						
Turnout/Parking	003-2.06						
Intersection	003-2.99						
Begin Section	004-3.04						
Water Control Structure	004-3.35						
Turnout/Parking	004-3.57						
Water Control Structure	004-3.98						
Begin Section	005-4.05						

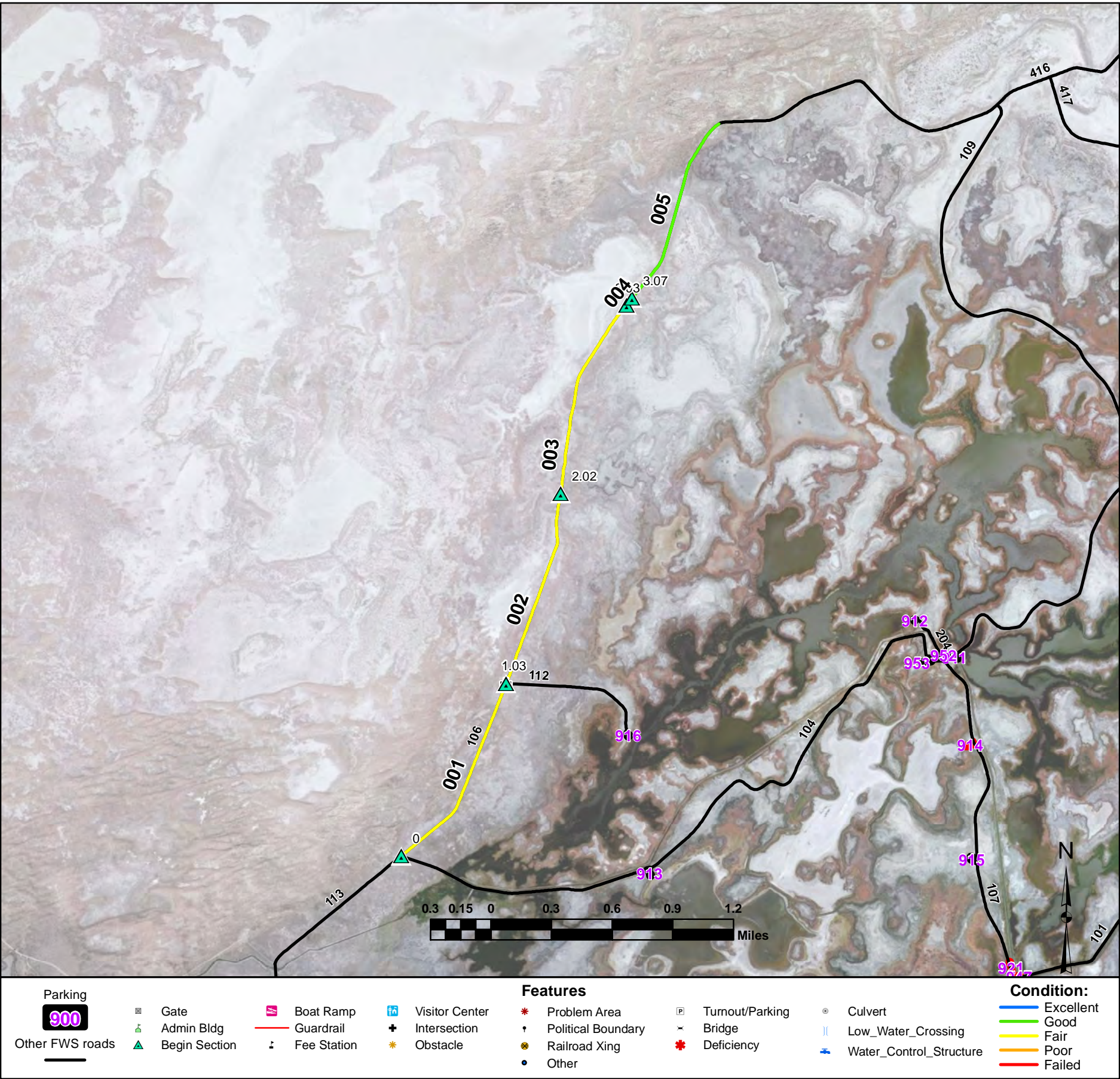












North Road

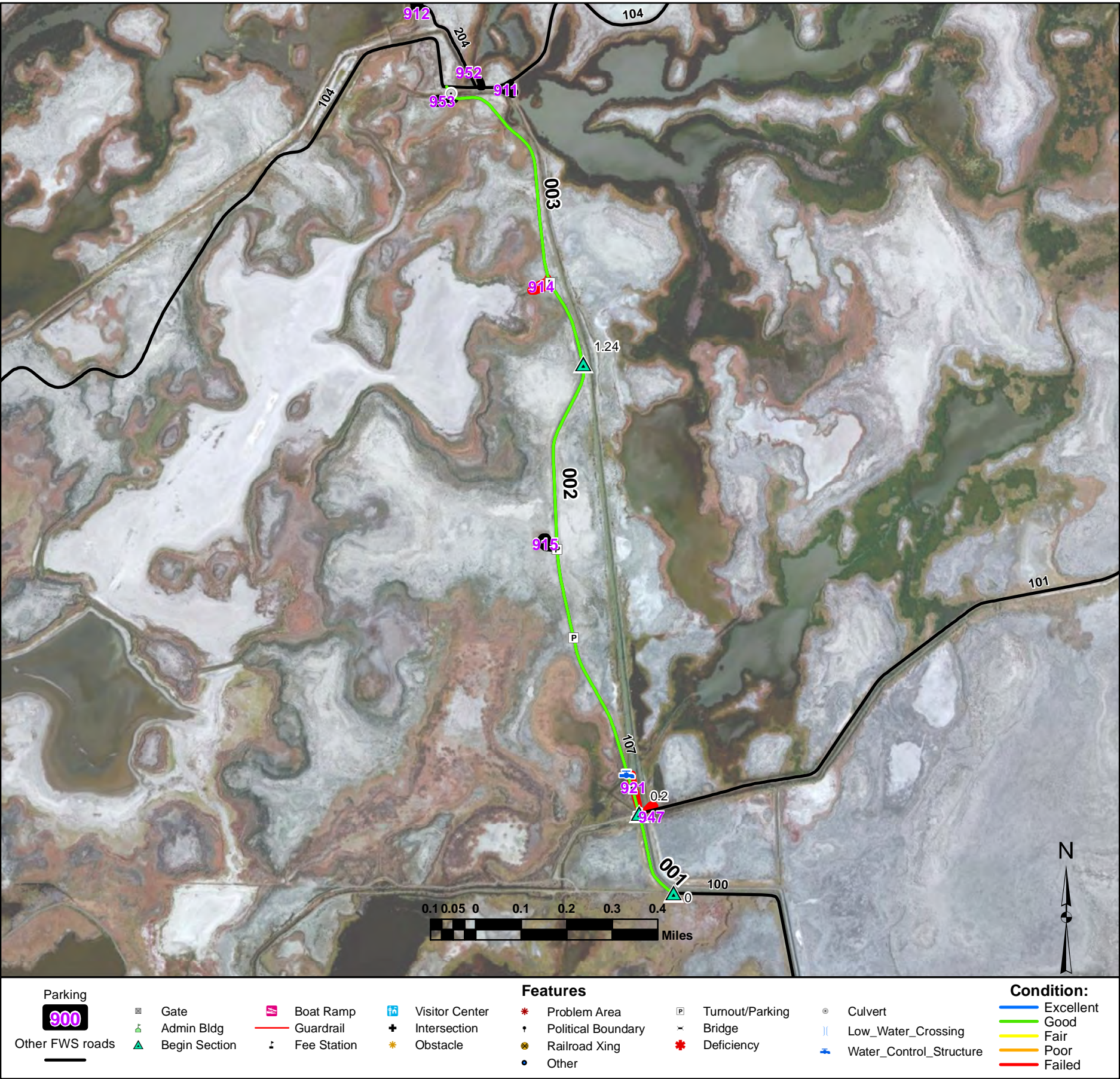
From West County Road (Route 113) to North Administrative Road (Route 416)

Route Number: 106

Total Route Mileage: 5.63

Asset Number	10005602	10005602	10005602	10005602	10039185
Section Number	001	002	003	004	005
Section Length (miles)	1.03	0.99	1.01	0.04	0.99
Inspection Date	04-19-2012	04-19-2012	04-19-2012	04-19-2012	04-19-2012
Surface Type	Native	Native	Native	Native	Gravel
Number of Lanes	2	2	1	1	1
Roadway Width (feet)	16	16	12	12	12
Condition	Fair	Fair	Fair	Good	Good
Remaining Service Life (years)	3	3	3	5	5
Estimated Cost to Repair	\$2,500	\$2,400	\$2,400	\$100	\$1,800
Current Replacement Value	\$408,100	\$392,300	\$400,200	\$15,800	\$758,300

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Intersection	001-1.03						
Begin Section	002-1.03						
Begin Section	003-2.02						
Begin Section	004-3.03						
Begin Section	005-3.07						



Lead Lake Road

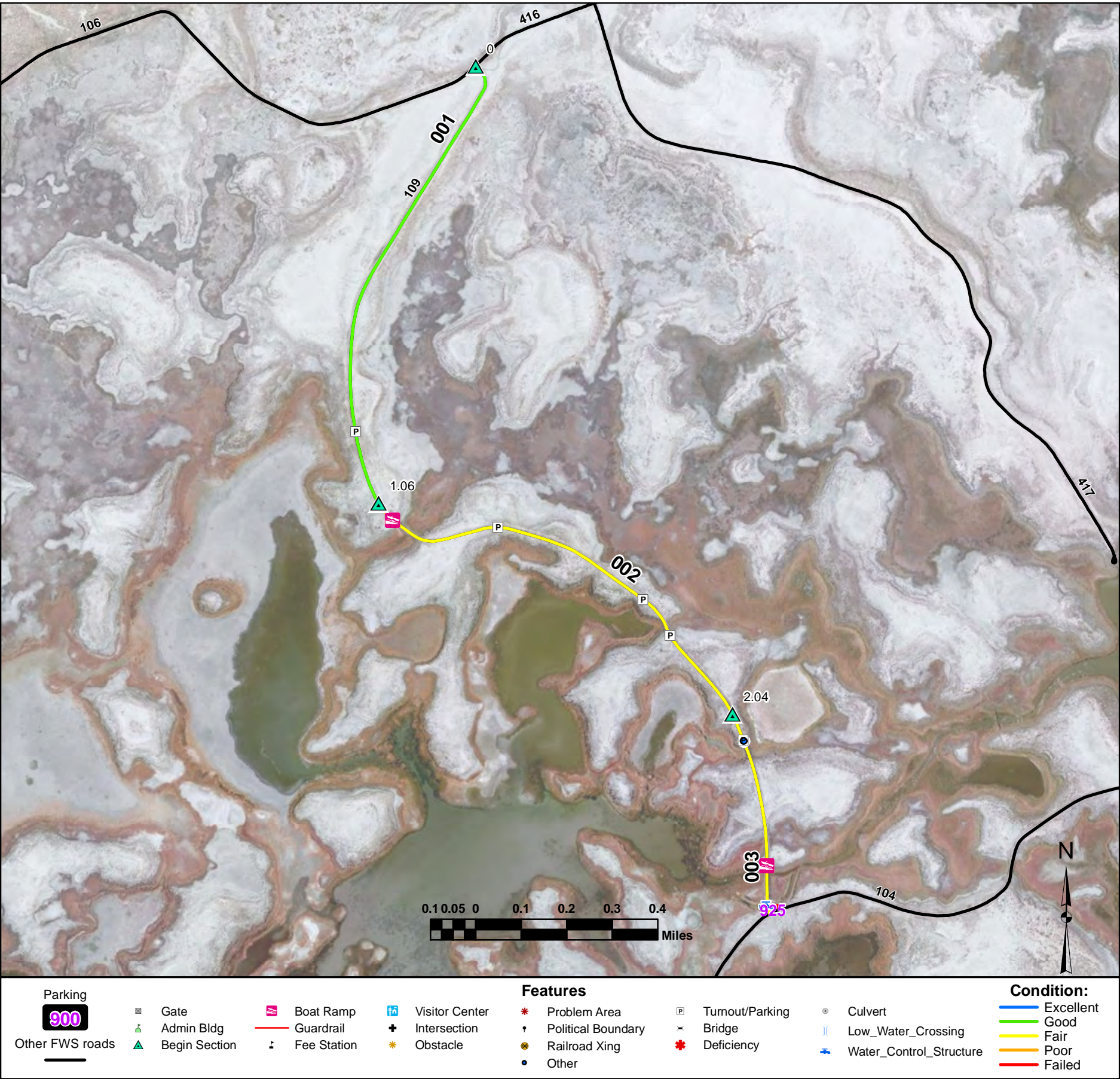
From Hunter Road (Route 100) to Center Road (Route 104)

Route Number: 107

Total Route Mileage: 1.98

Asset Number	10005603	10005603	10005603		
Section Number	001	002	003		
Section Length (miles)	0.20	1.04	0.74		
Inspection Date	04-18-2012	04-18-2012	04-18-2012		
Surface Type	Gravel	Gravel	Gravel		
Number of Lanes	2	2	2		
Roadway Width (feet)	16	16	16		
Condition	Good	Good	Good		
Remaining Service Life (years)	5	5	7		
Estimated Cost to Repair	\$400	\$1,900	\$1,300		
Current Replacement Value	\$153,200	\$796,600	\$566,800		

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Water Control Structure	001-0.19						
Intersection	001-0.2						
Begin Section	002-0.2						
Turnout/Parking	002-0.26						
Water Control Structure	002-0.29						
Turnout/Parking	002-0.62						
Turnout/Parking	002-0.82						
Begin Section	003-1.24						
Turnout/Parking	003-1.43						
Culvert	003-1.96						





Turnout/Parking

Bridge

Deficiency

Culvert

Low_Water_Crossing

Water_Control_Structure

Excellent

Good

Fair

Poor

Failed

Conradt's Landing Access Road

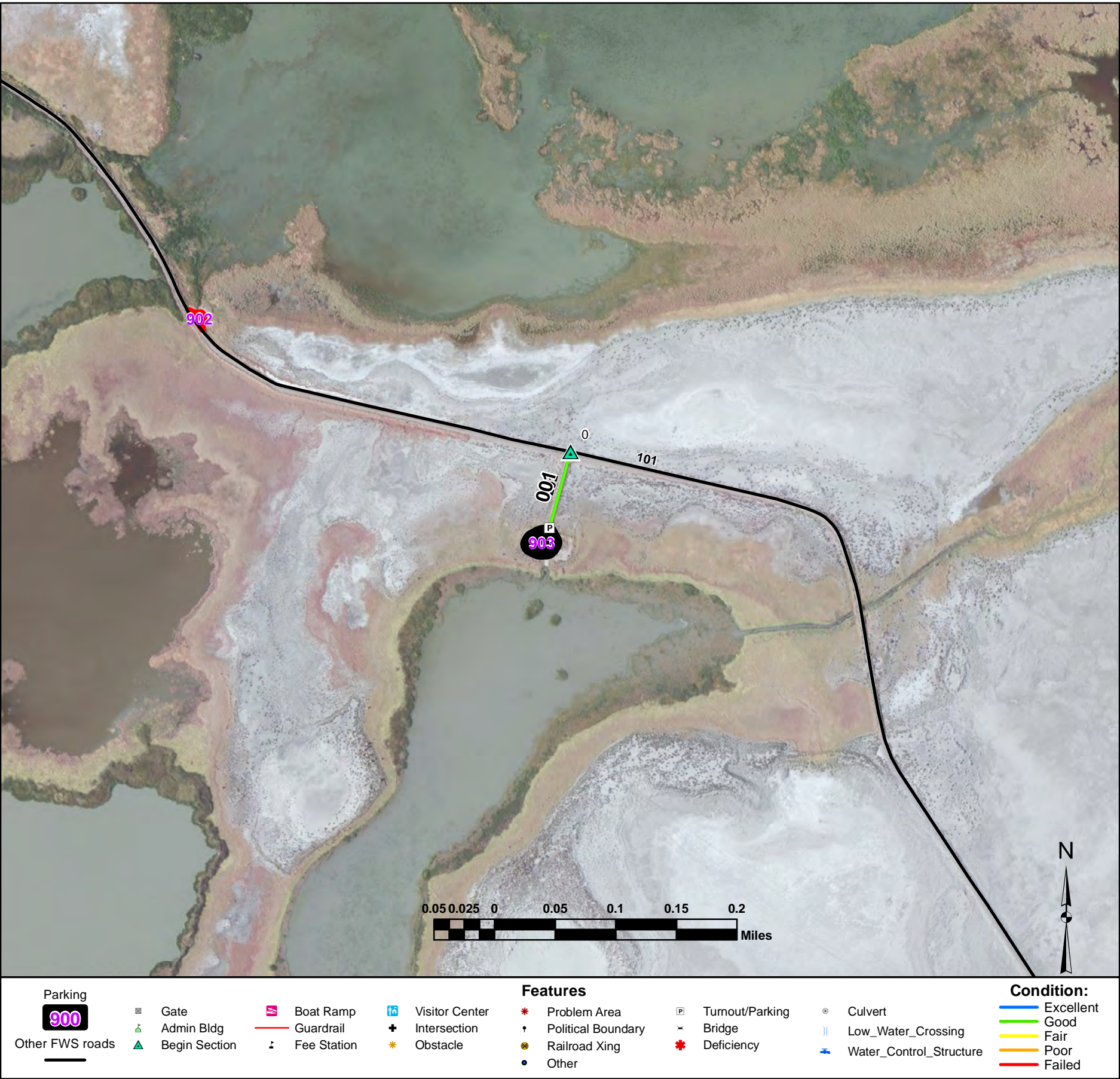
From Nutgrass Road (Route 102) to Conradt's Landing Parking Area (Route 905)

Route Number: 200

Total Route Mileage: 0.64

Asset Number	10039151				
Section Number	001				
Section Length (miles)	0.64				
Inspection Date	04-19-2012				
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	14				
Condition	Poor				
Remaining Service Life (years)	2				
Estimated Cost to Repair	\$90,800				
Current Replacement Value	\$490,200				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Turnout/Parking	001-0.64						



Goose Lake Landing Access Road

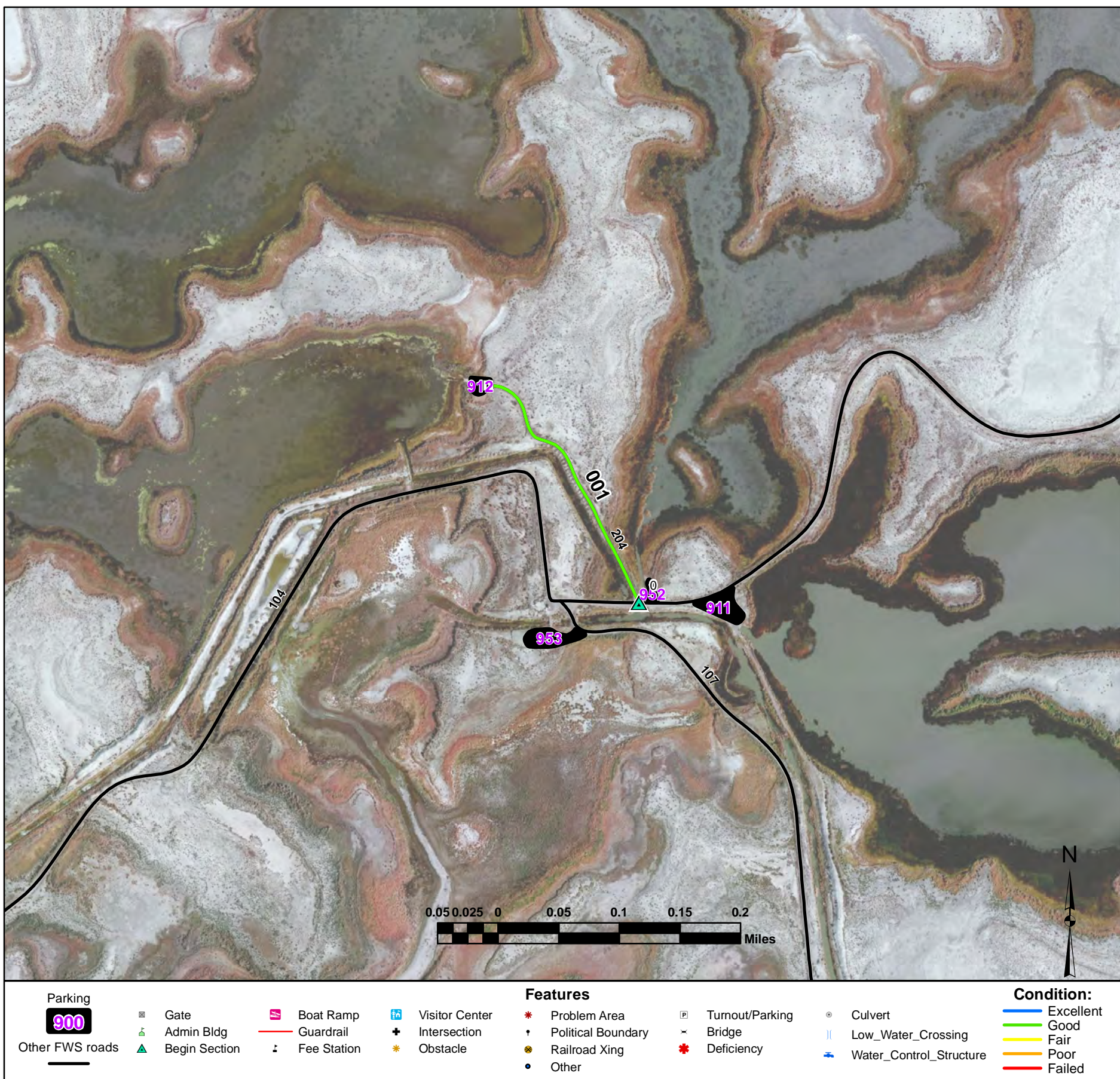
From Navy Cabin Road (Route 101) to Goose Lake Landing Parking Area (Route 903)

Route Number: 202

Total Route Mileage: 0.07

Asset Number	10039155				
Section Number	001				
Section Length (miles)	0.07				
Inspection Date	04-19-2012				
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
Condition	Good				
Remaining Service Life (years)	5				
Estimated Cost to Repair	\$100				
Current Replacement Value	\$53,600				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Turnout/Parking	001-0.07						



Narrows Landing Access Road

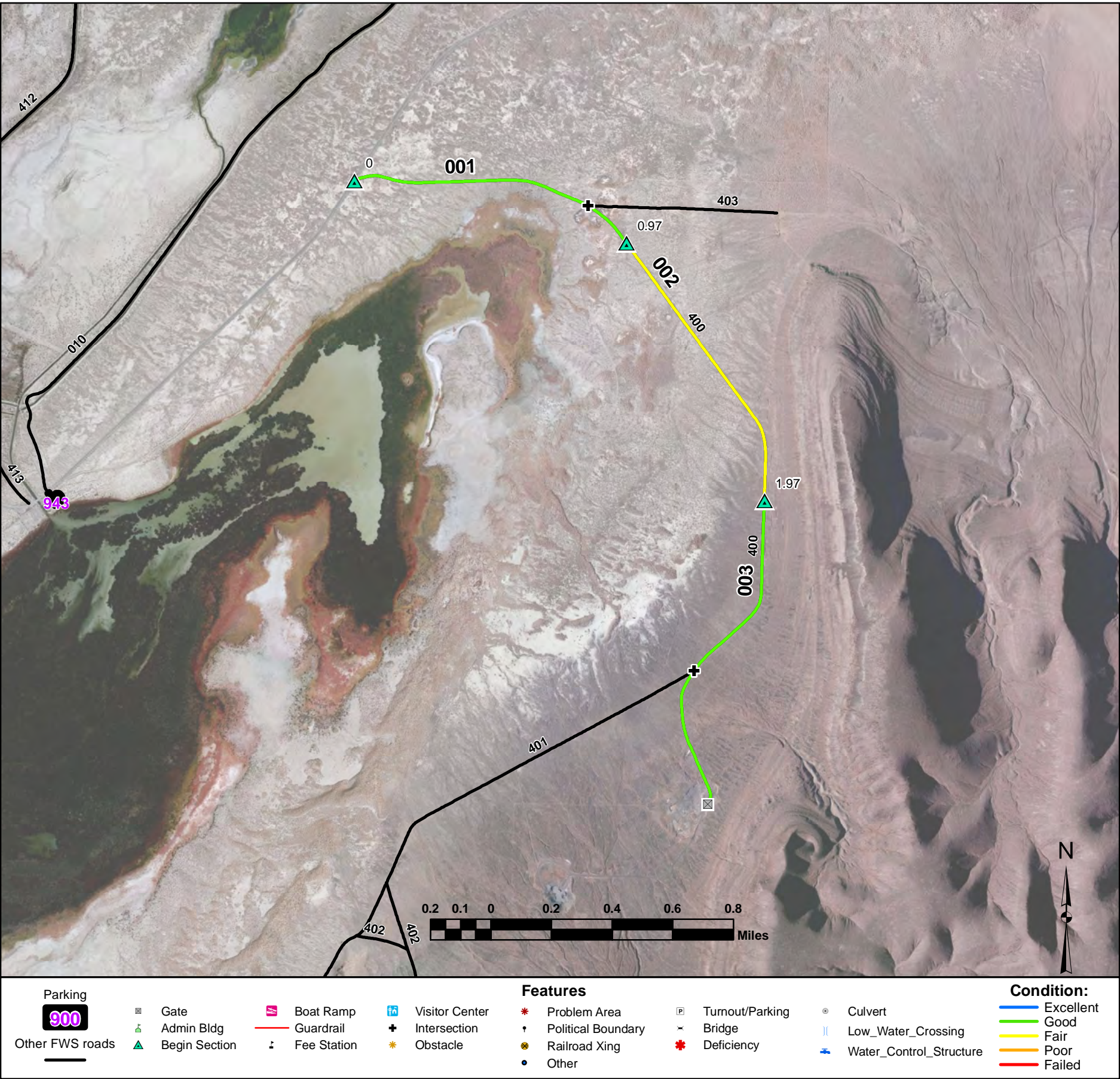
From Center Road (Route 104) to Narrows Landing Parking Area (Route 912)

Route Number: 204

Total Route Mileage: 0.23

Asset Number	10039158				
Section Number	001				
Section Length (miles)	0.23				
Inspection Date	04-20-2012				
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	10				
Condition	Good				
Remaining Service Life (years)	5				
Estimated Cost to Repair	\$400				
Current Replacement Value	\$176,200				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section Turnout/Parking	001-0.0 001-0.23						



Gravel Pit Road

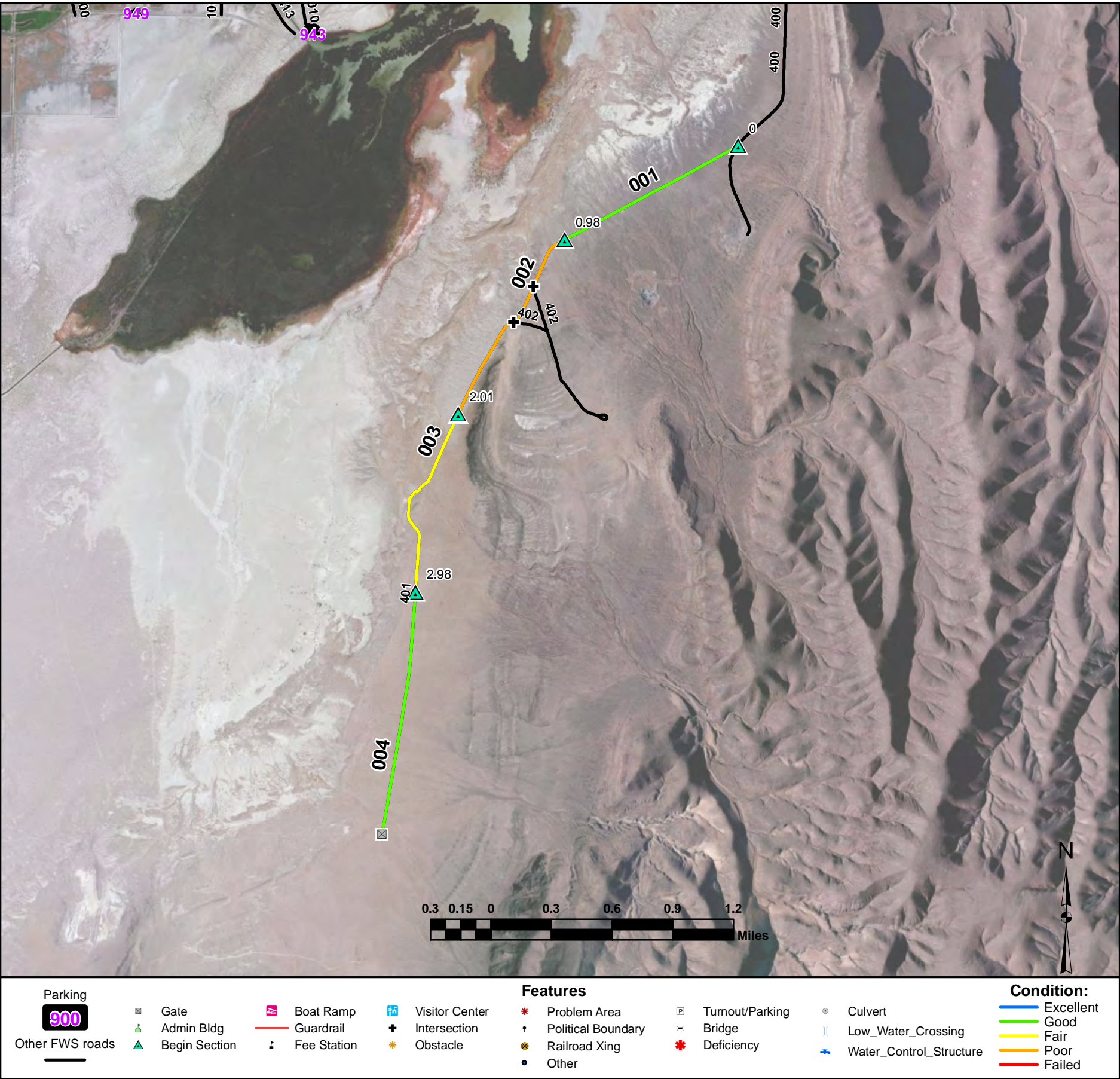
From Lawrence Lane to South Boundary

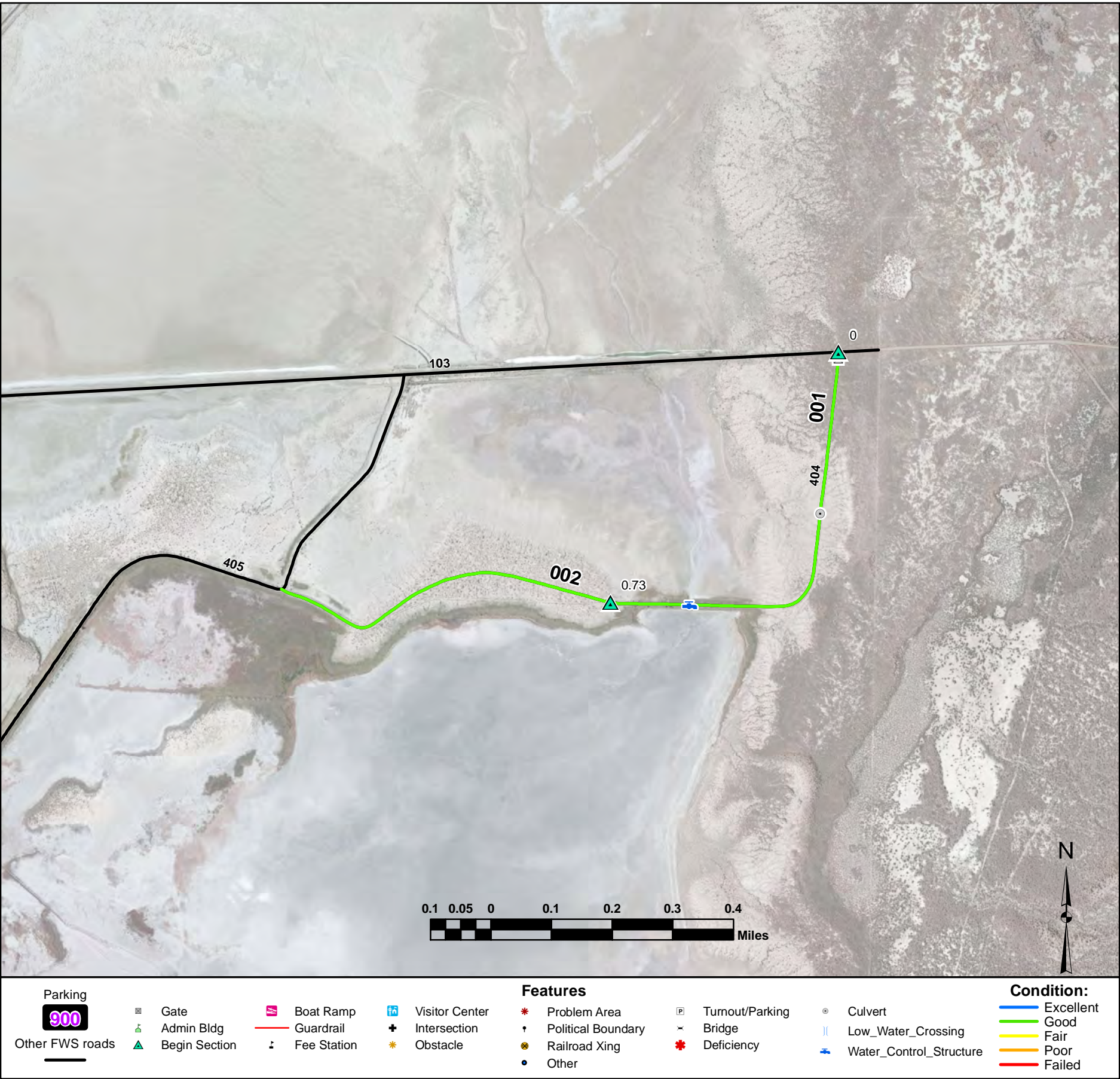
Route Number: 400

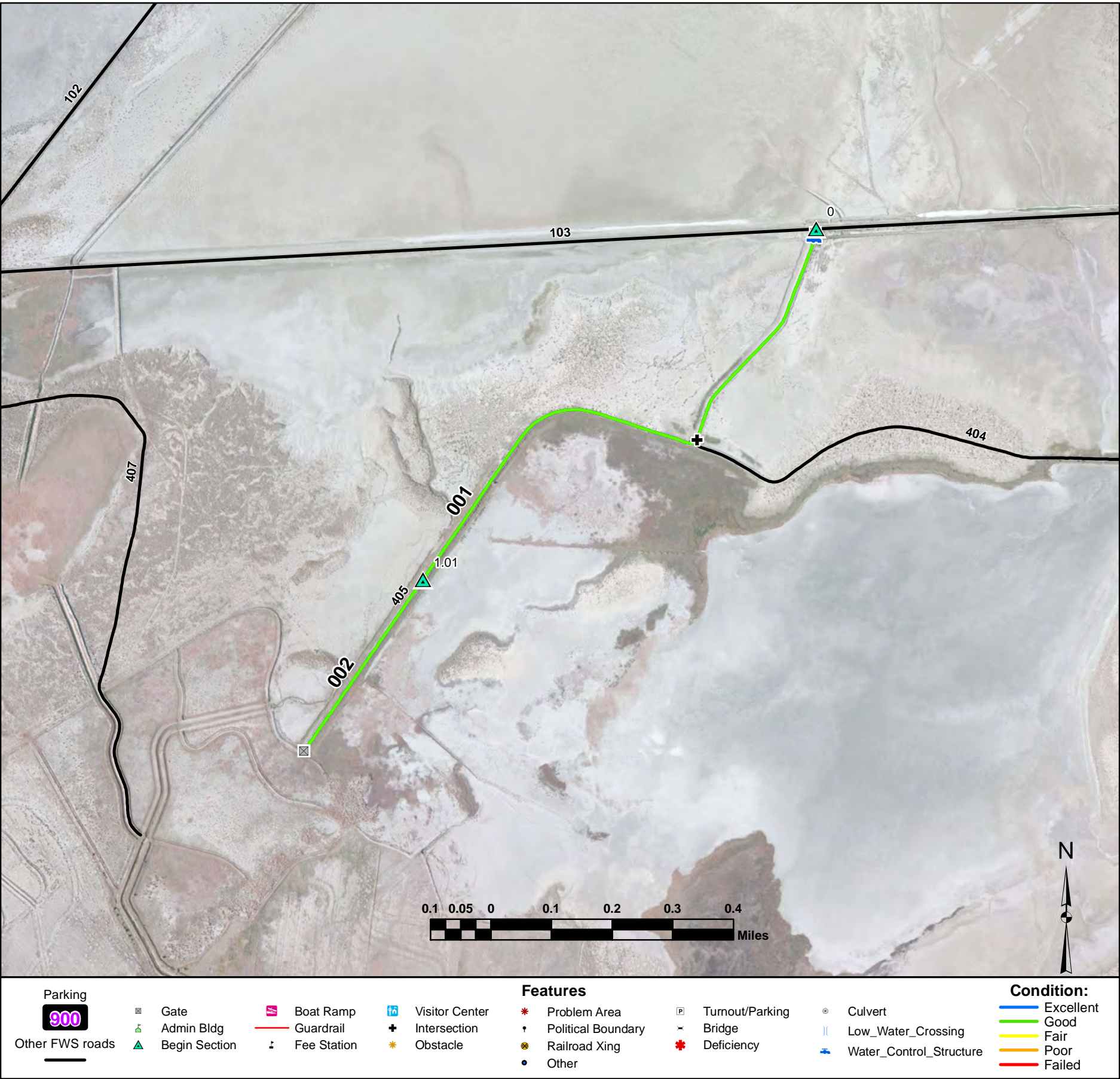
Total Route Mileage: 3.09

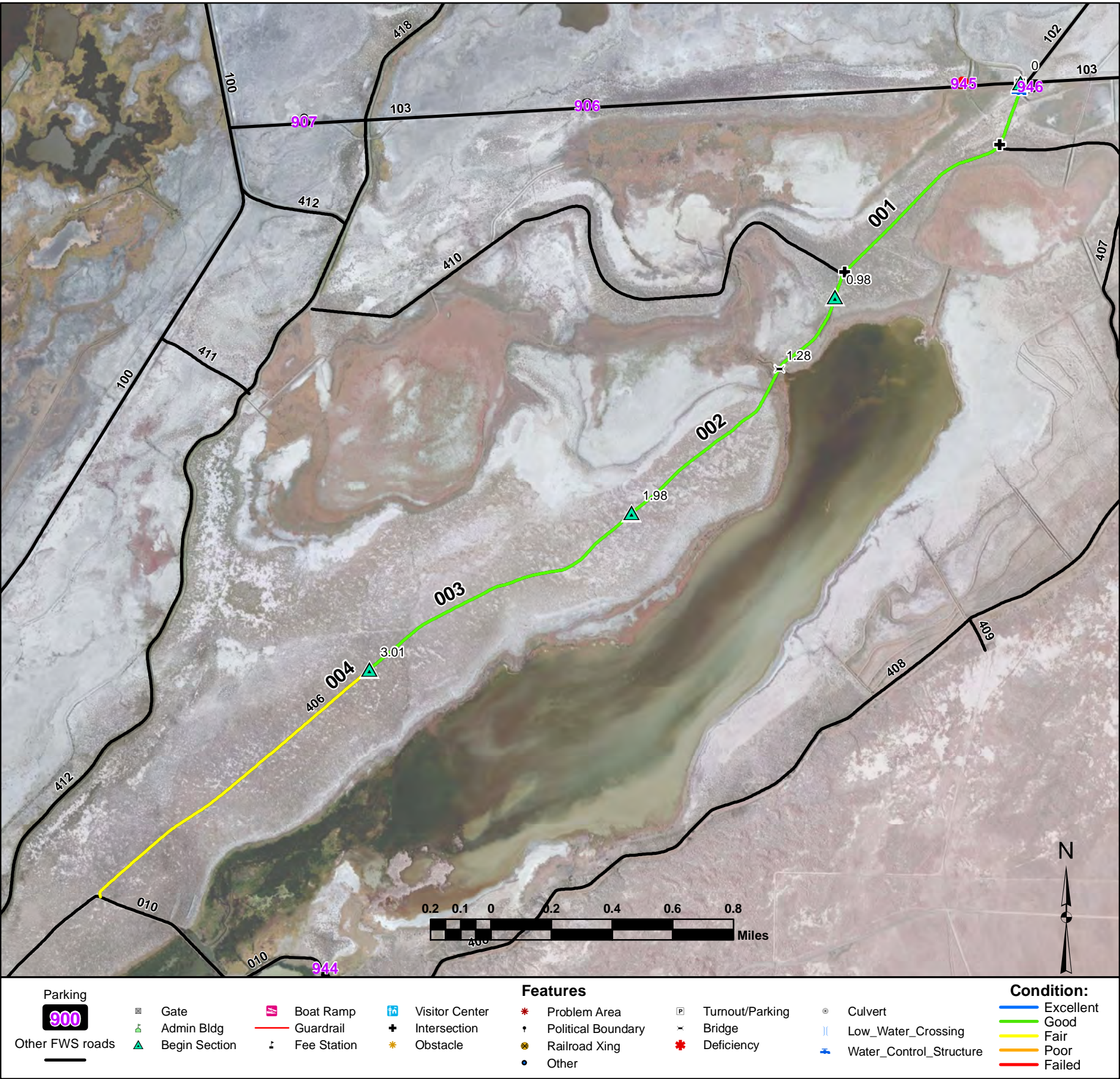
Asset Number	10005771	10005771	10005771		
Section Number	001	002	003		
Section Length (miles)	0.97	1.00	1.12		
Inspection Date	04-17-2012	04-17-2012	04-17-2012		
Surface Type	Gravel	Gravel	Gravel		
Number of Lanes	2	2	2		
Roadway Width (feet)	22	20	20		
Condition	Good	Fair	Good		
Remaining Service Life (years)	7	3	7		
Estimated Cost to Repair	\$1,700	\$4,000	\$2,000		
Current Replacement Value	\$742,900	\$765,900	\$857,800		

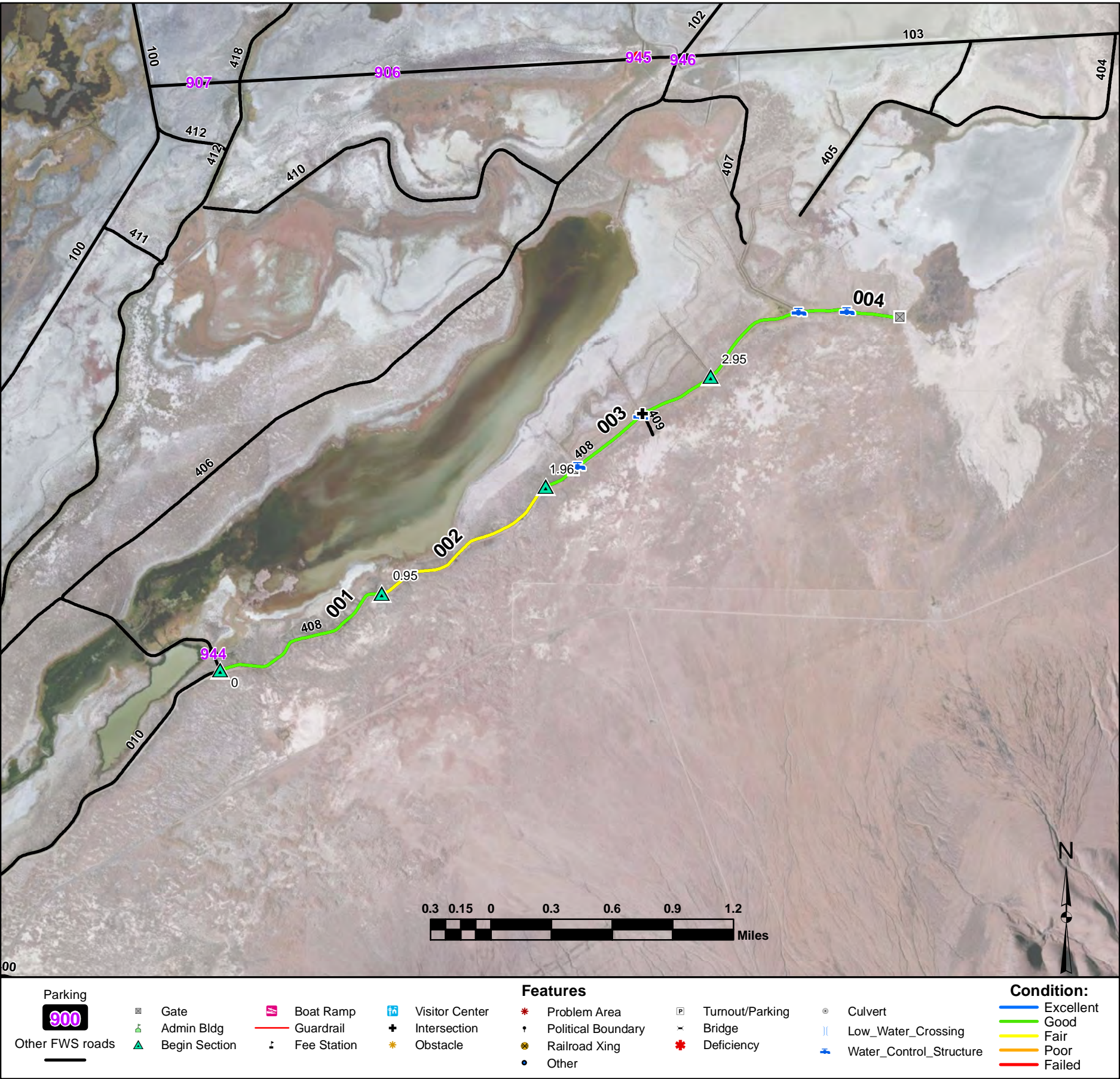
Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Intersection	001-0.81						
Begin Section	002-0.97						
Begin Section	003-1.97						
Intersection	003-2.63						
Gate	003-3.09						

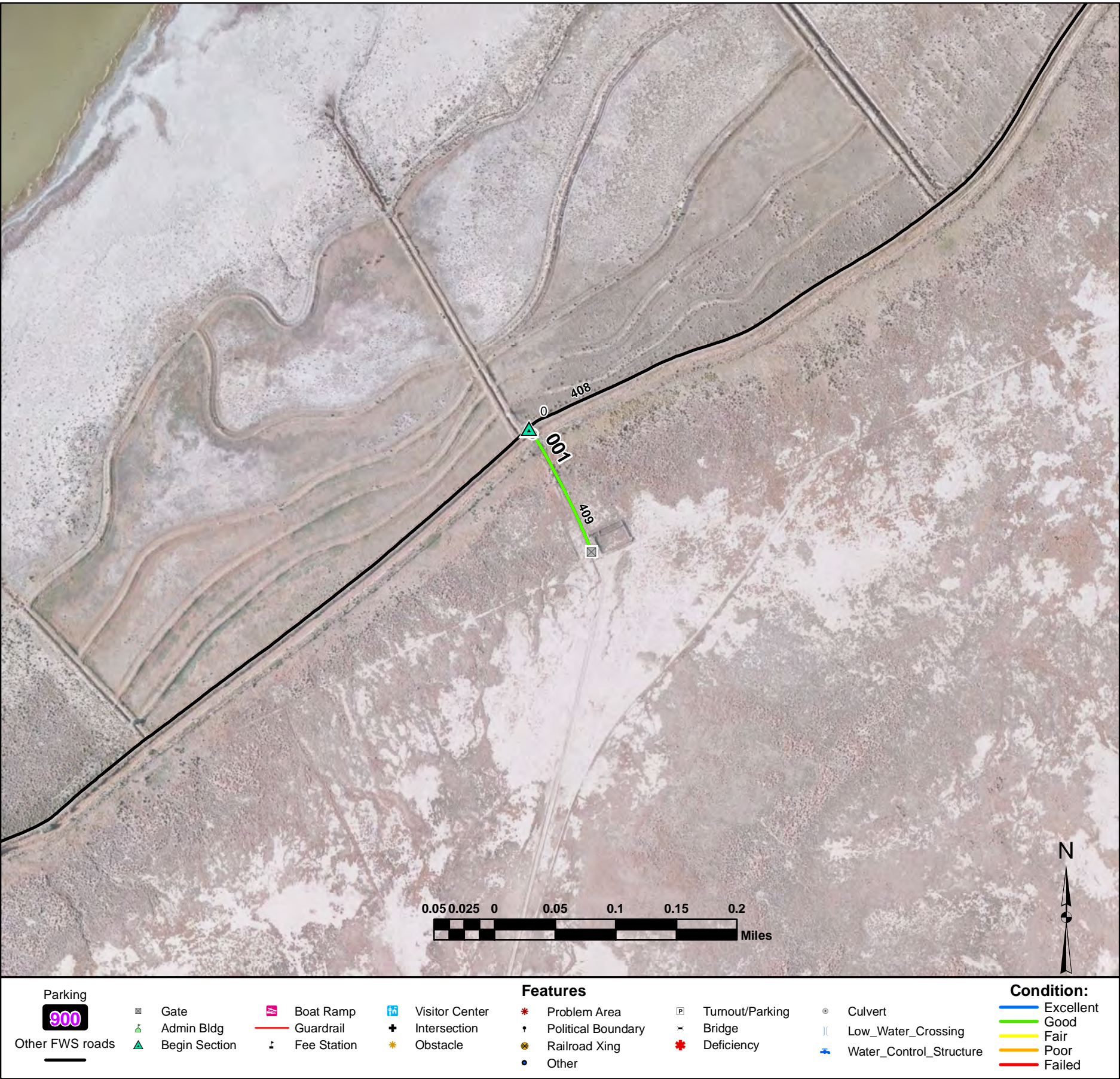


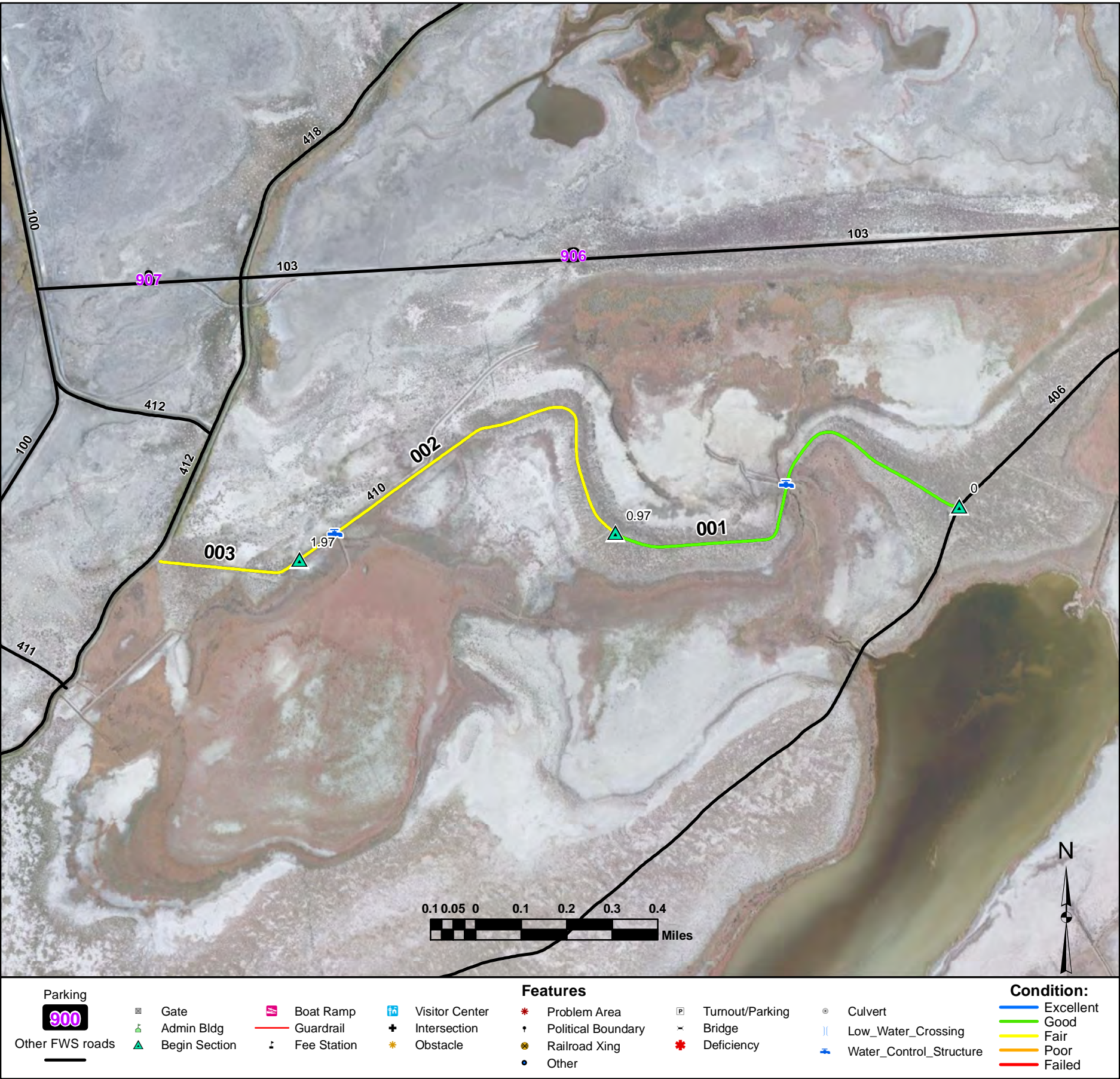


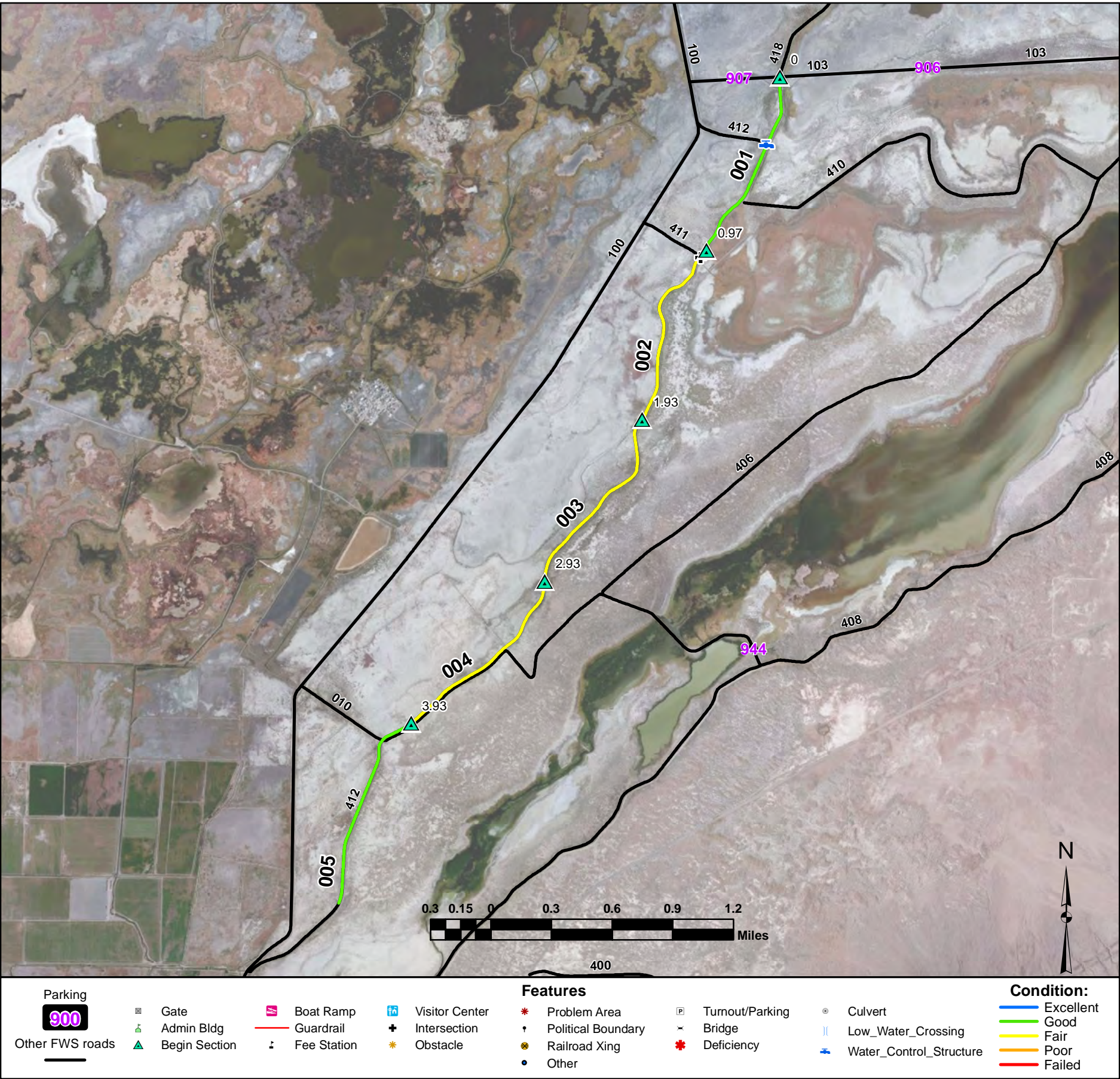


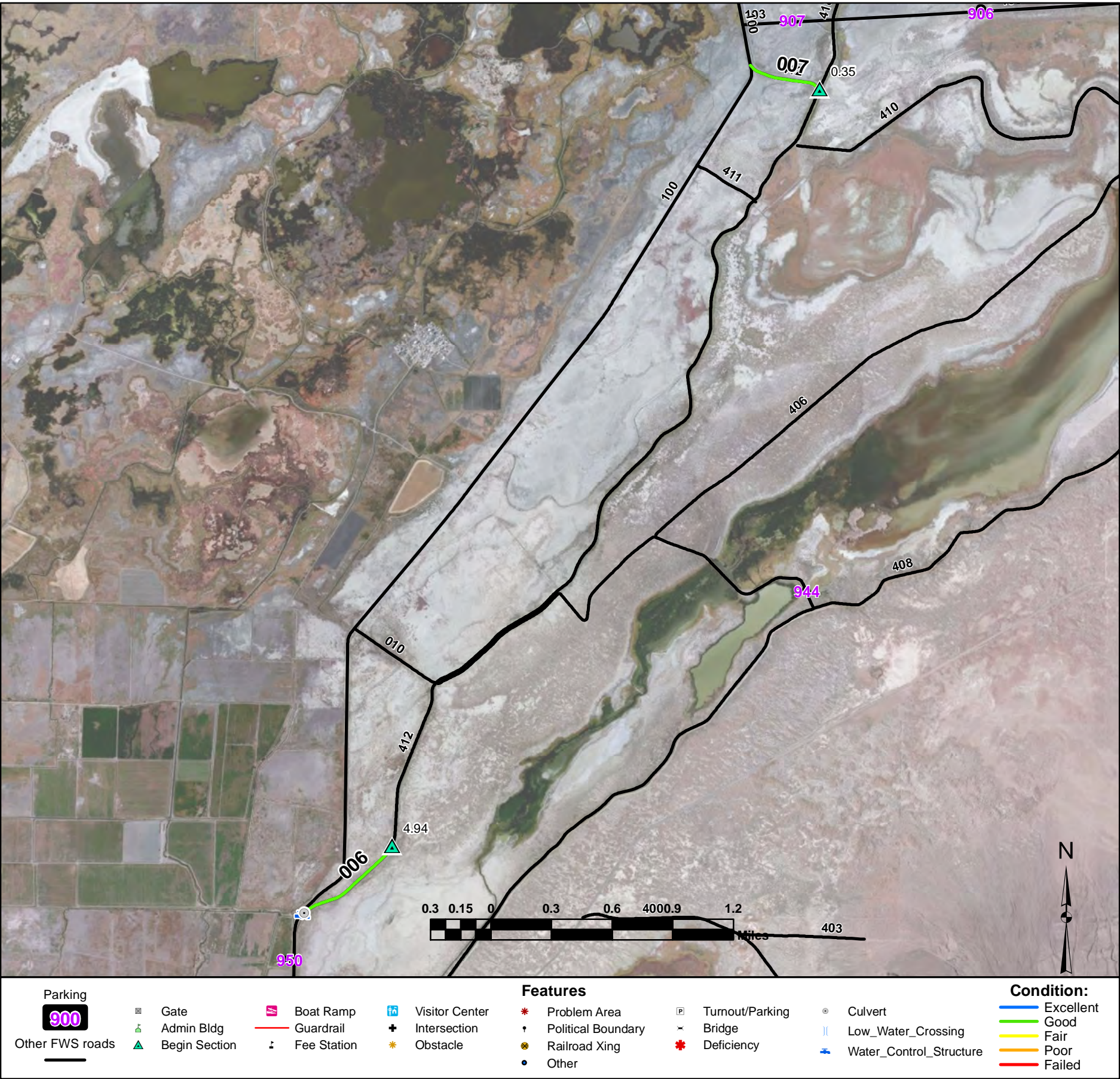


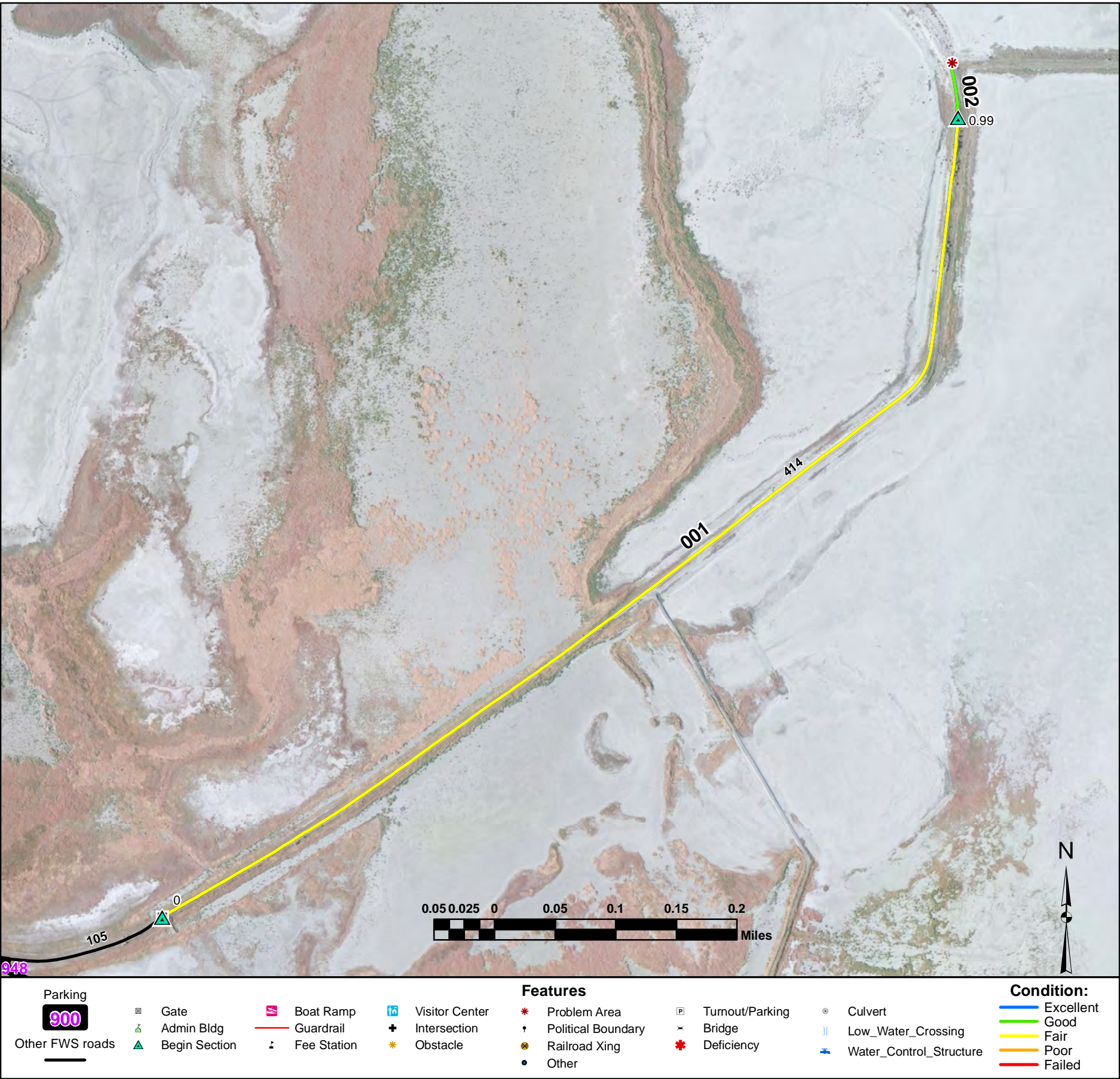


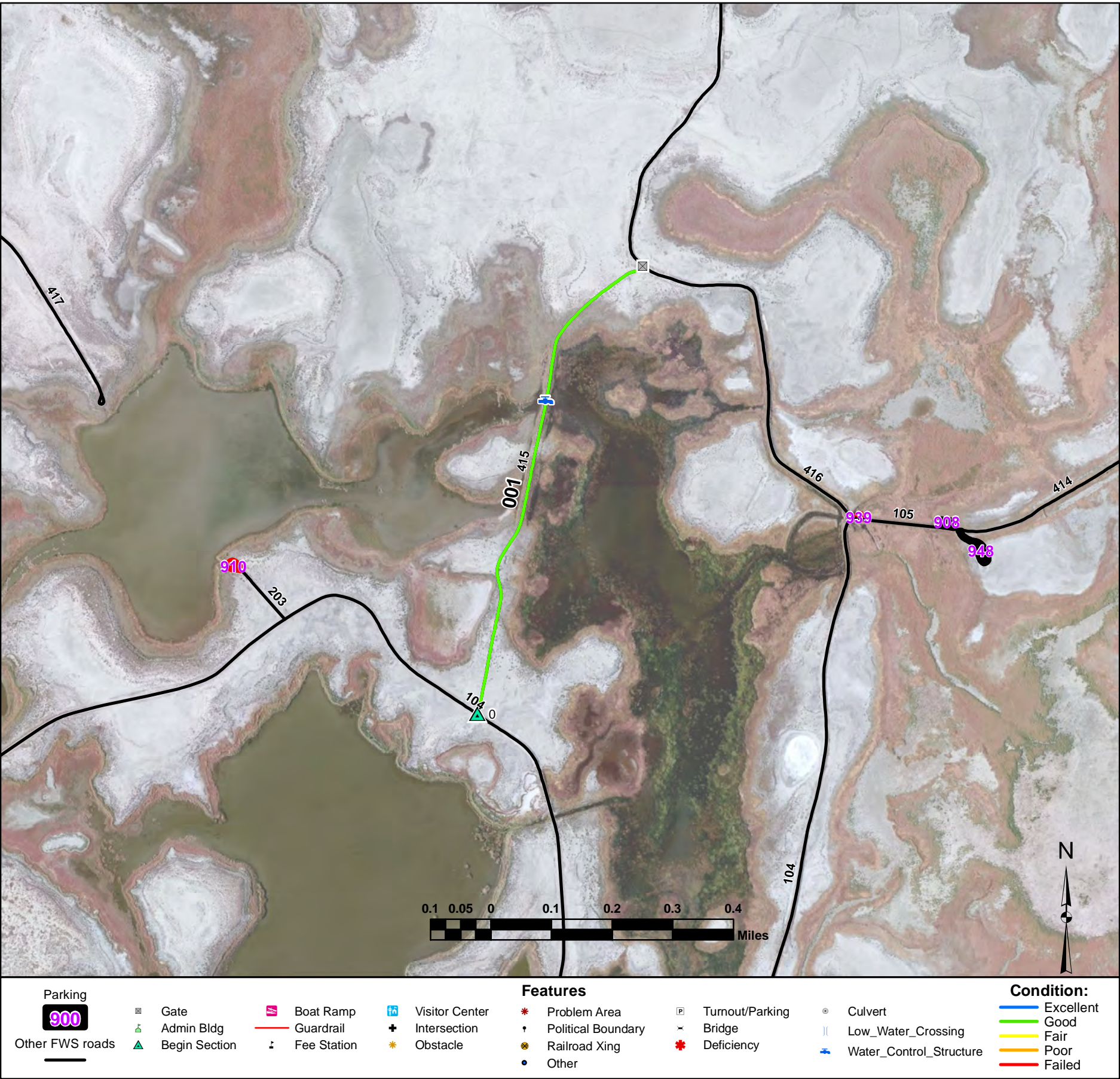












Swan Lake Dike Road

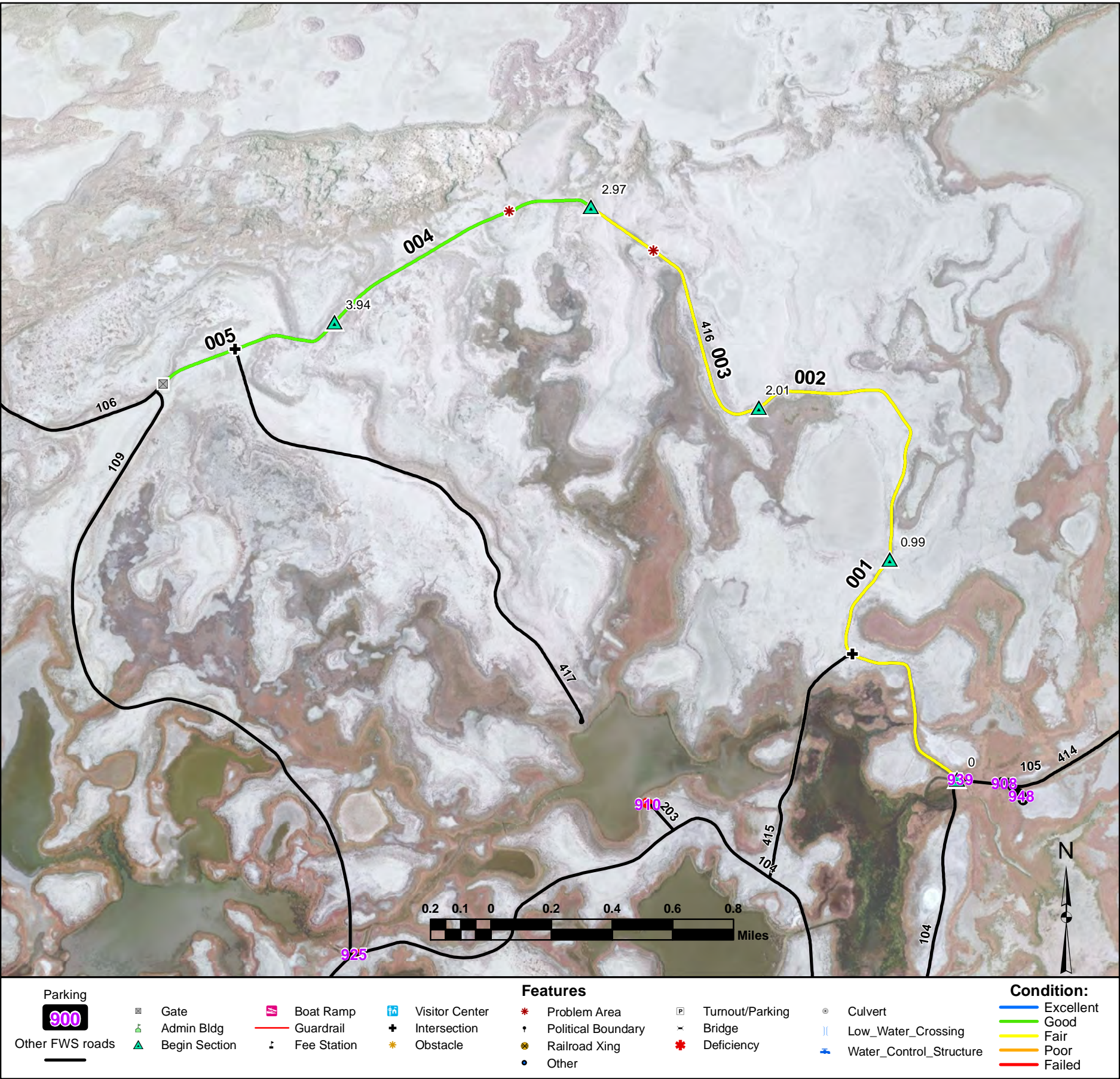
From Center Road (Route 104) to North Administrative Road (Route 416)

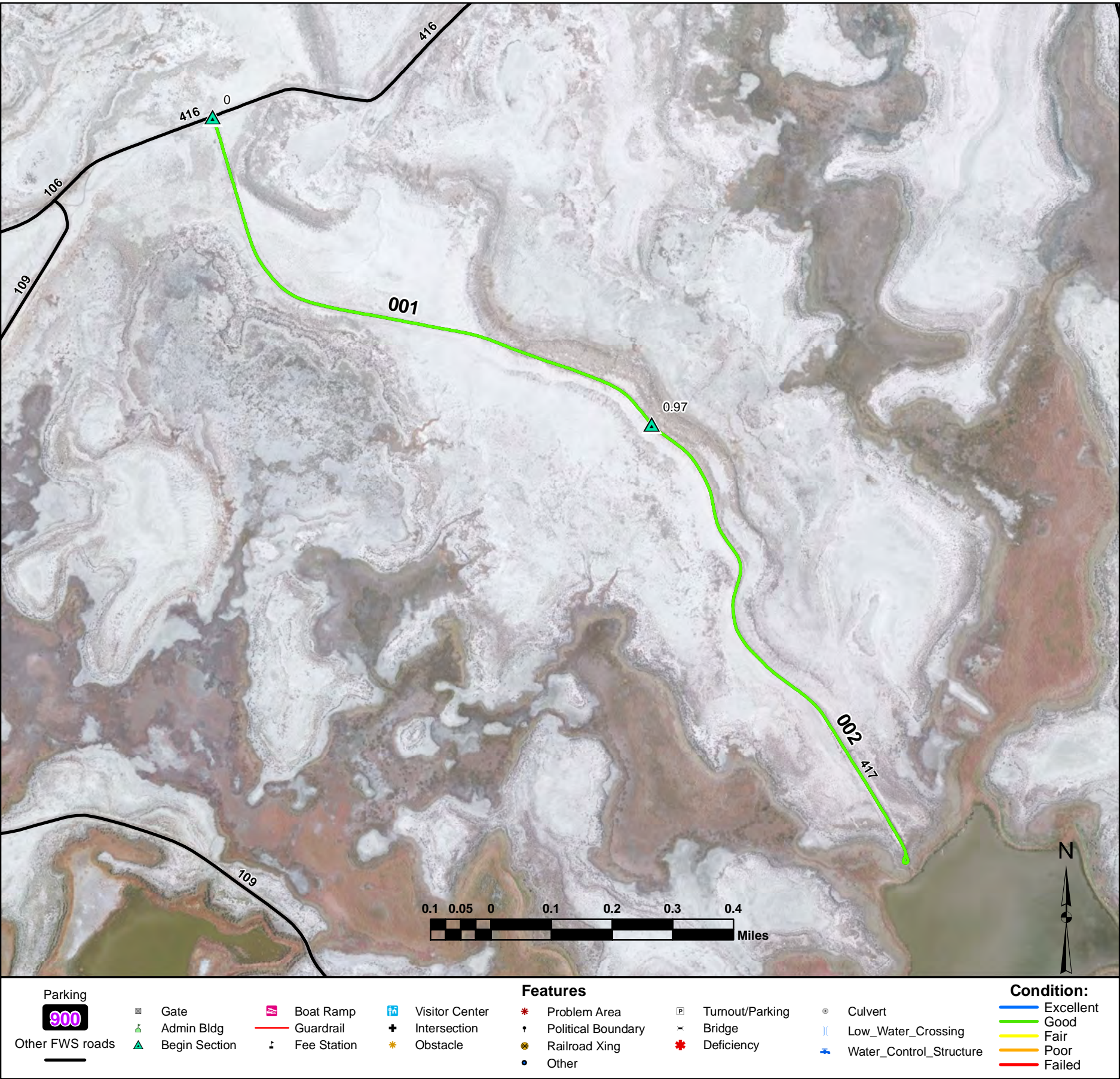
Route Number: 415

Total Route Mileage: 0.83

Asset Number	10005606				
Section Number	001				
Section Length (miles)	0.83				
Inspection Date	04-19-2012				
Surface Type	Native				
Number of Lanes	1				
Roadway Width (feet)	14				
Condition	Good				
Remaining Service Life (years)	5				
Estimated Cost to Repair	\$1,600				
Current Replacement Value	\$328,900				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Water Control Structure	001-0.52						
Gate	001-0.83						



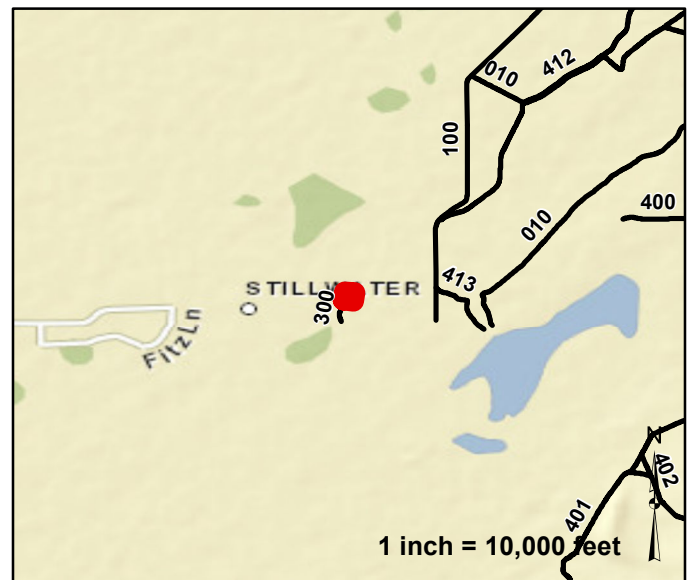
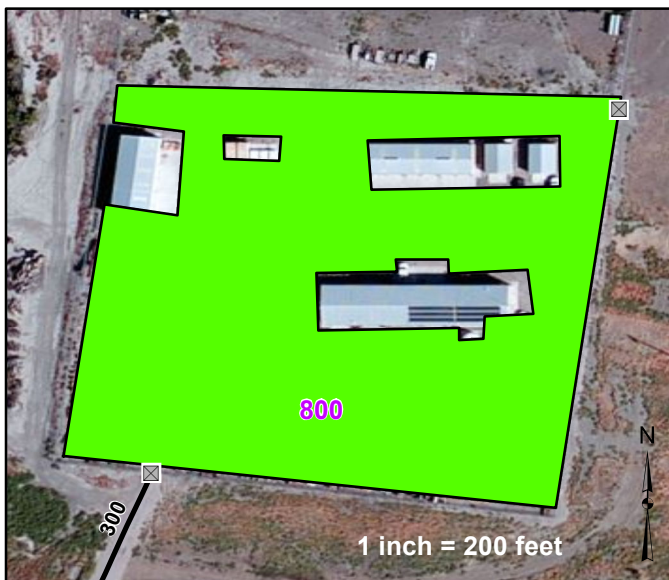


Route Number:800

Shop Parking

From Shop Road (Route 300)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10051441	139305	Good	Gravel	\$23,200	04-19-2012	\$765,900



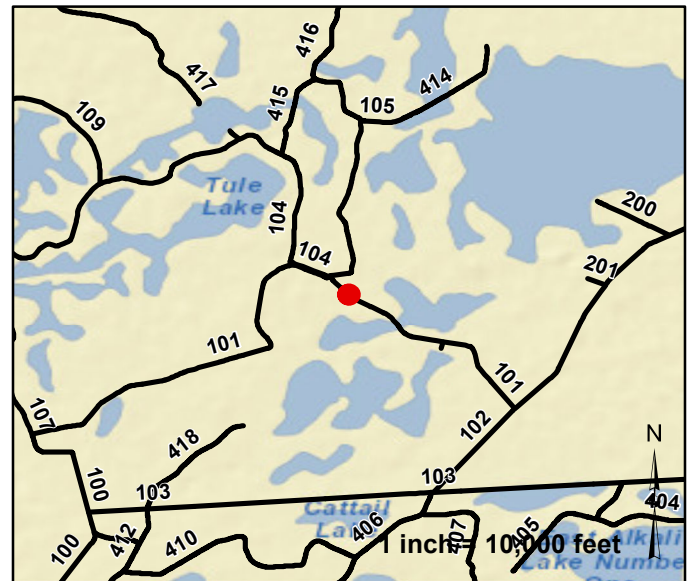
Parking		Features				Condition:	
						Excellent	
Other FWS roads						Good	
						Fair	
						Poor	
						Failed	

Route Number:901
Olano's Landing Parking Area
 From Navy Cabin Road (Route 101)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005674	3807	Fair	Native	\$1,100	05-07-2004	\$9,000



No Photo Available



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:902
Rice's Landing Parking Area
 From Navy Cabin Road (Route 101)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005672	2191	Fair	Native	\$600	05-07-2004	\$5,200



No Photo Available



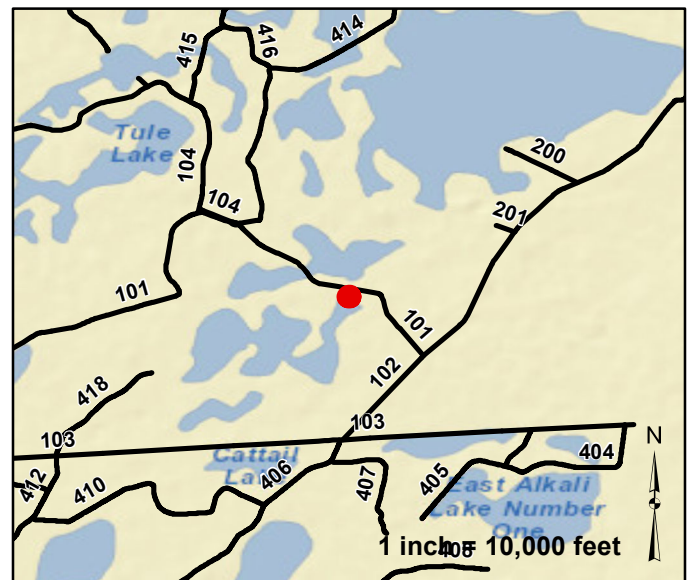
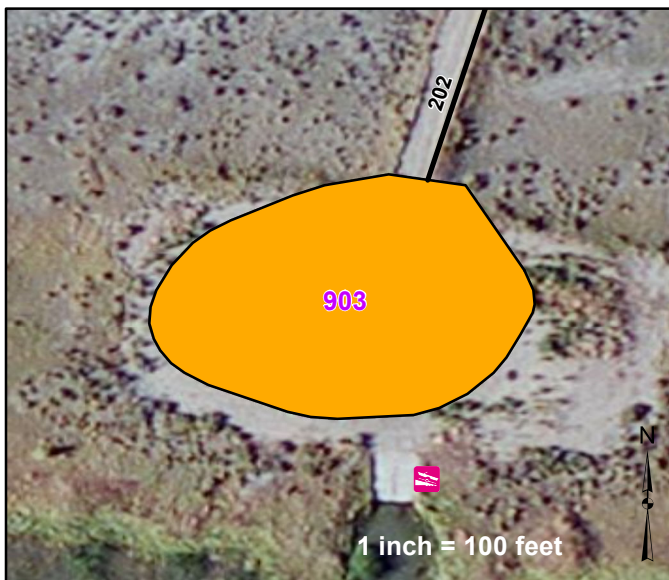
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:903

Goose Lake Landing Parking Area

From Goose Lake Landing Access Road (Route 202)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005670	14747	Poor	Gravel	\$18,100	04-19-2012	\$81,100



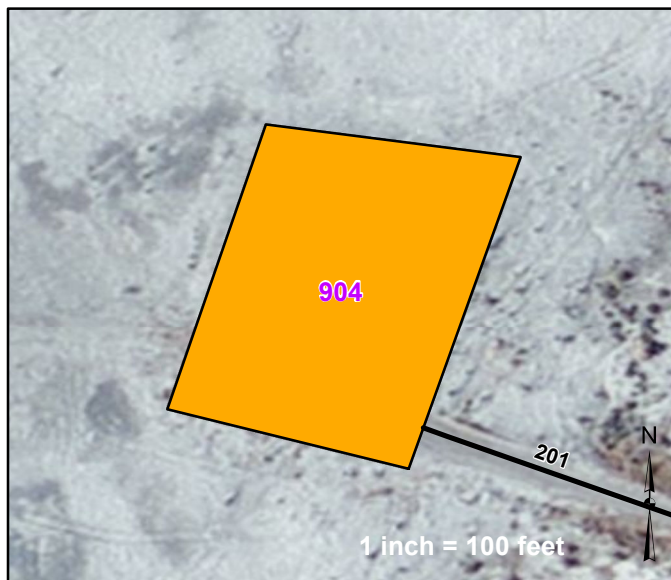
Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:904

East Parking Area

From East Parking Access Road (Route 201)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005665	16464	Poor	Gravel	\$20,200	04-19-2012	\$90,500



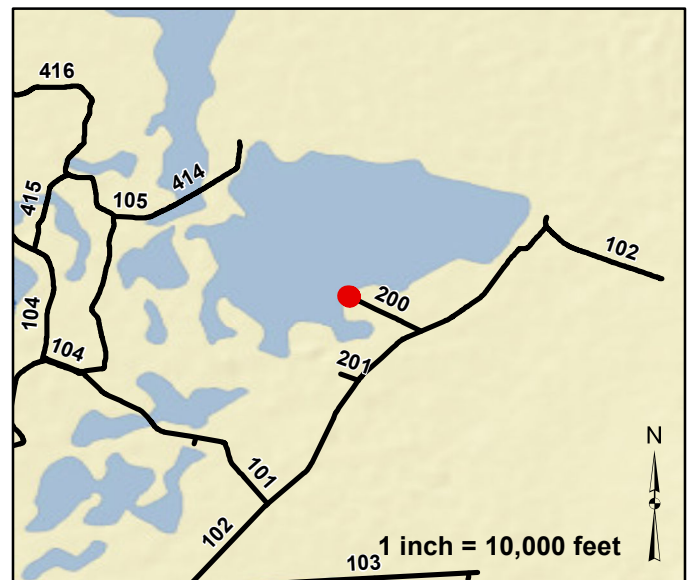
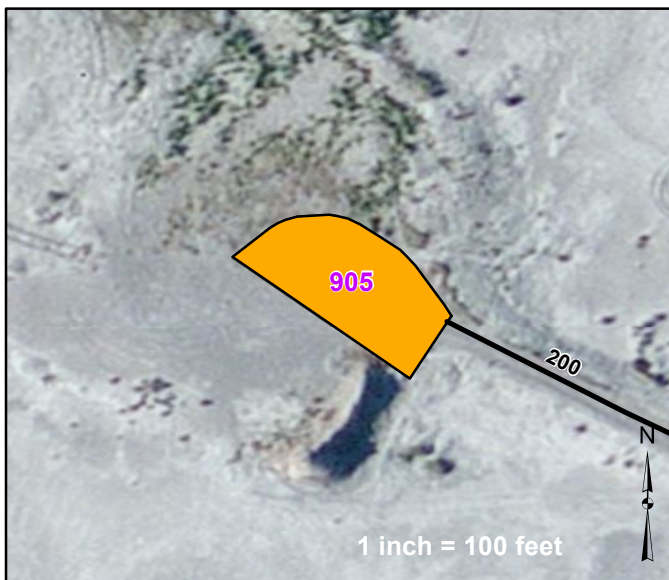
Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
			Visitor Center		Poor
			Other		Failed
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:905

Conradt's Landing Parking Area

From Conradt's Landing Access Road (Route 200)

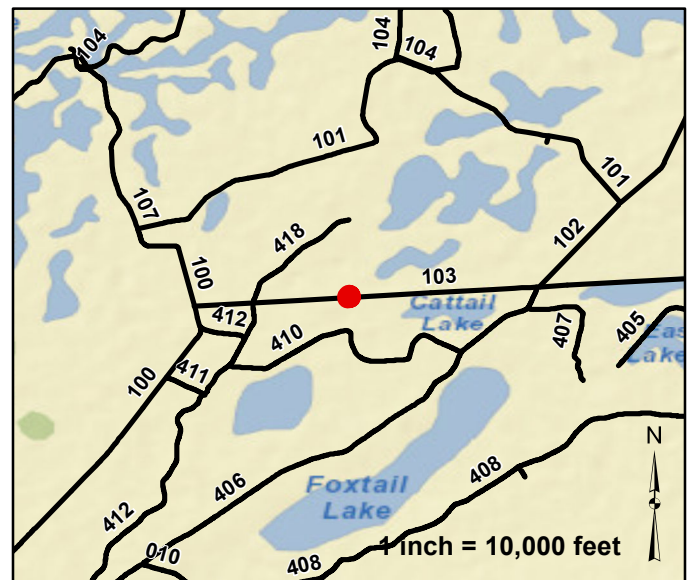
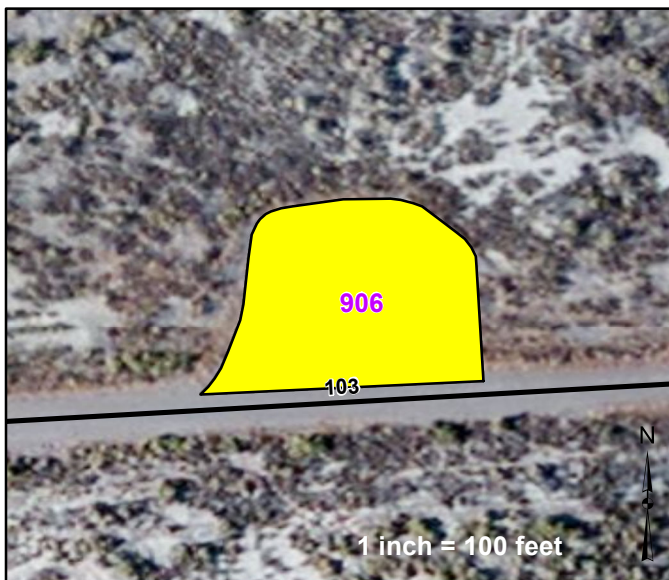
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005662	3788	Poor	Gravel	\$4,600	04-19-2012	\$20,800



Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Visitor Center		Poor
			Other		Failed
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:906
Division Road East Parking Area
 From Division Road (Route 103)

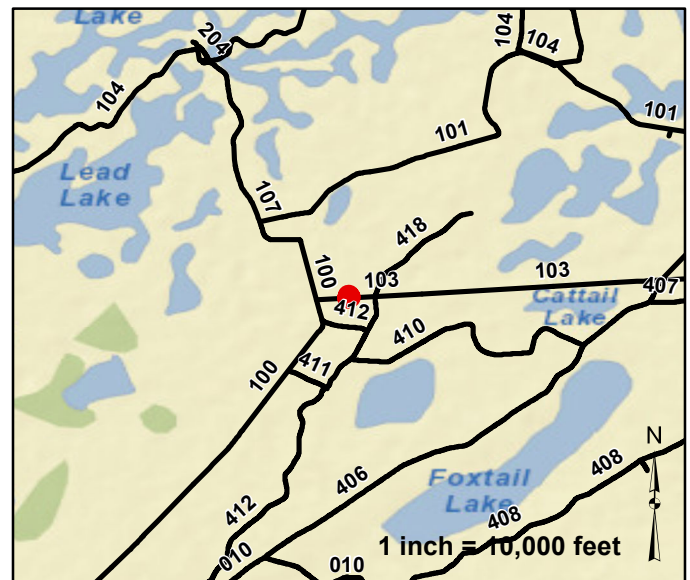
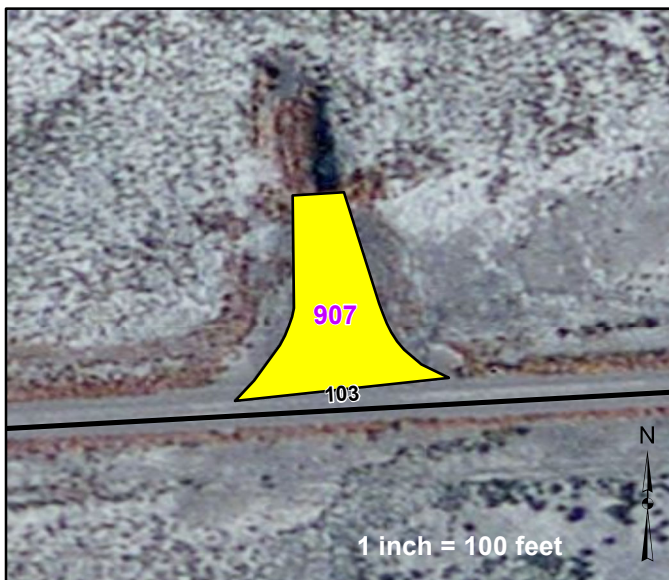
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005669	8901	Fair	Gravel	\$2,600	04-18-2012	\$48,900



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:907
Division Road West Parking Area
 From Division Road (Route 103)

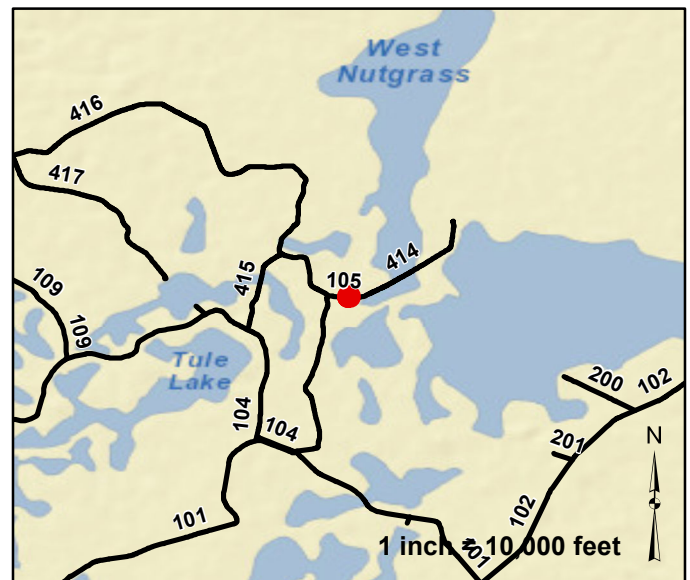
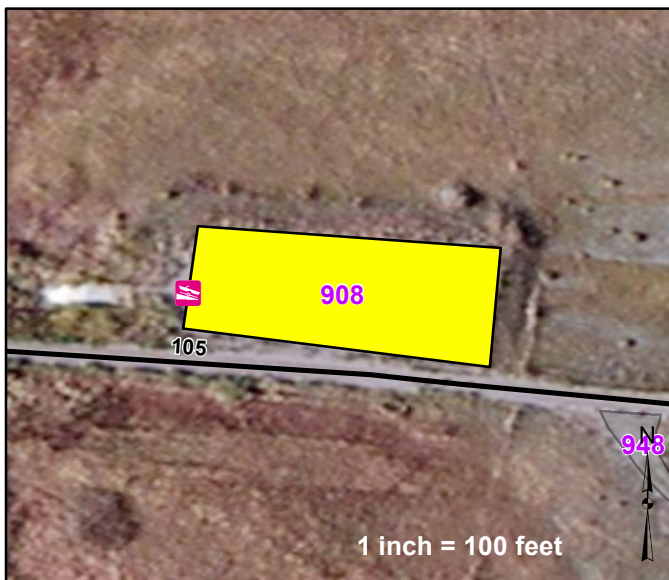
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005667	3937	Fair	Gravel	\$1,200	04-18-2012	\$21,600



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:908
Pintail Bay Landing Parking Area
From Pintail Road (Route 105)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005676	7139	Fair	Gravel	\$2,100	04-19-2012	\$39,200



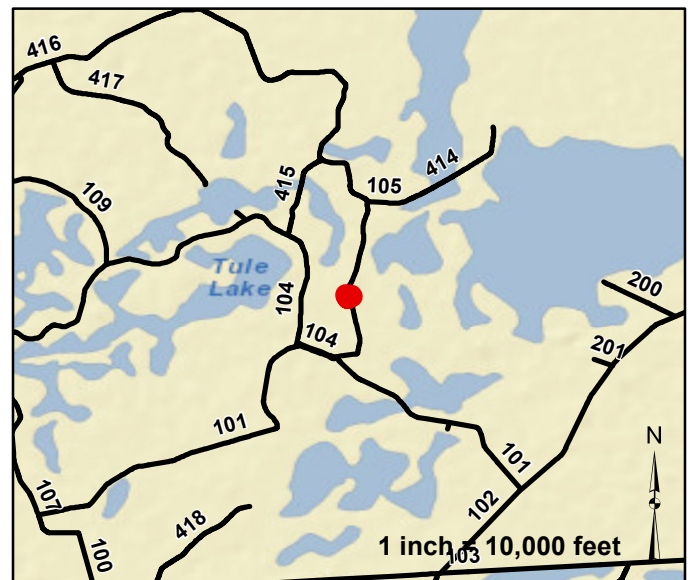
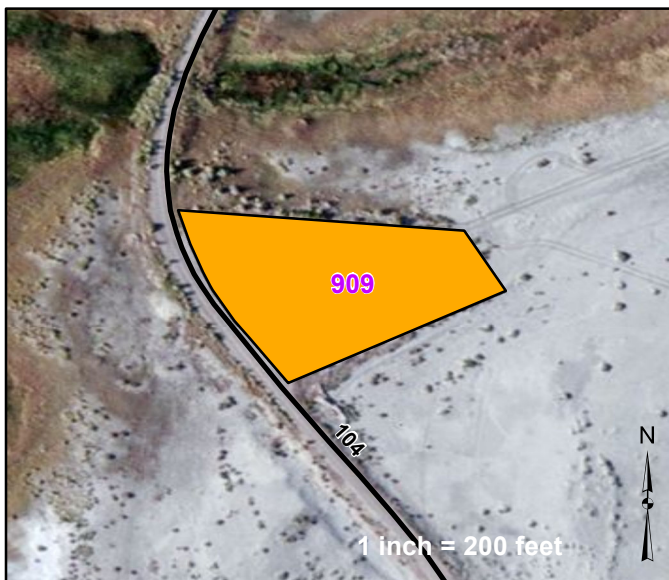
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:909

West Parking Area

From Center Road (Route 104)

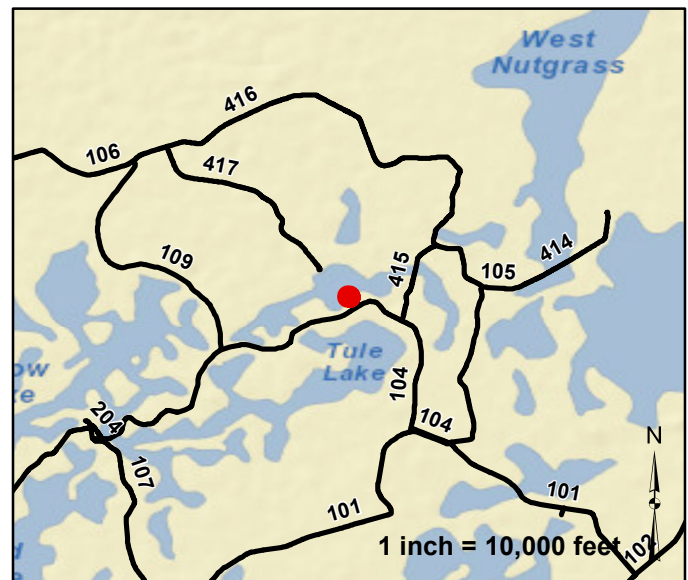
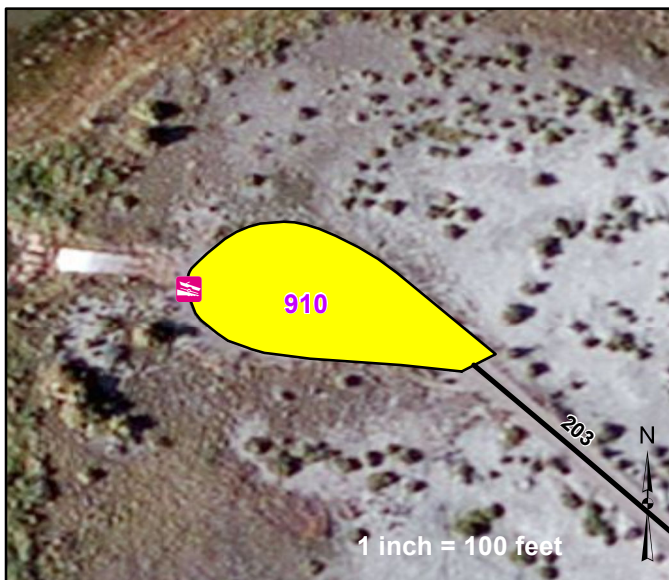
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005675	28224	Poor	Gravel	\$34,600	04-19-2012	\$155,200



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:910
South Swan Lake Landing Parking Area
 From South Swan Lake Access Road (Route 203)

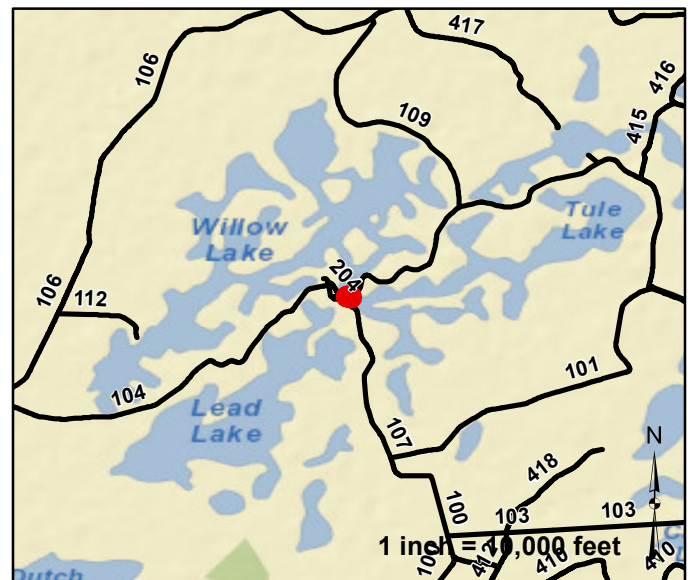
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005682	5939	Fair	Native	\$1,700	04-20-2012	\$14,100



Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:911
Tule Lake Landing Parking Area
From Center Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	11986	Fair	Gravel	\$3,500	04-20-2012	\$65,900



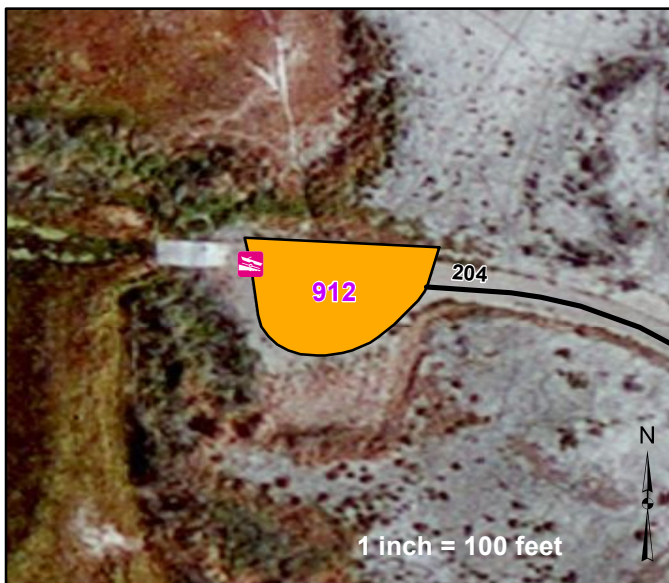
Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:912

Narrows Landing Parking Area

From Narrows Landing Access Road (Route 204)

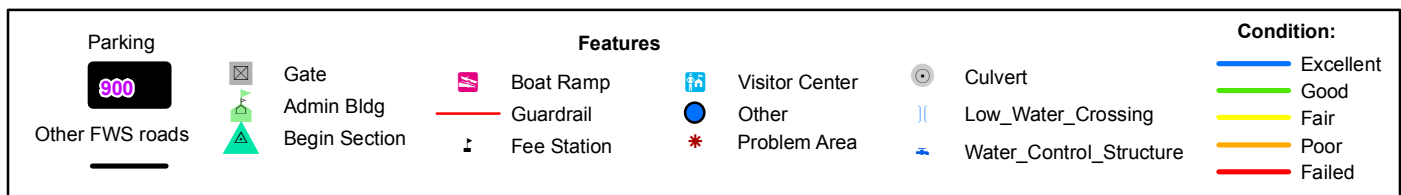
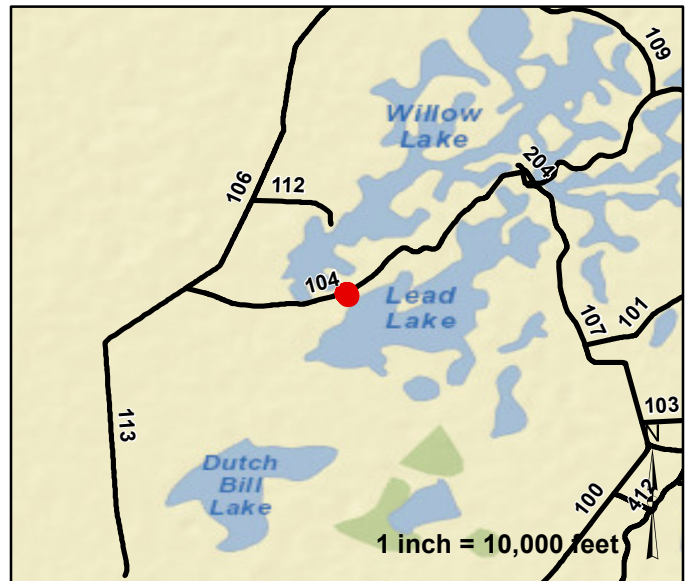
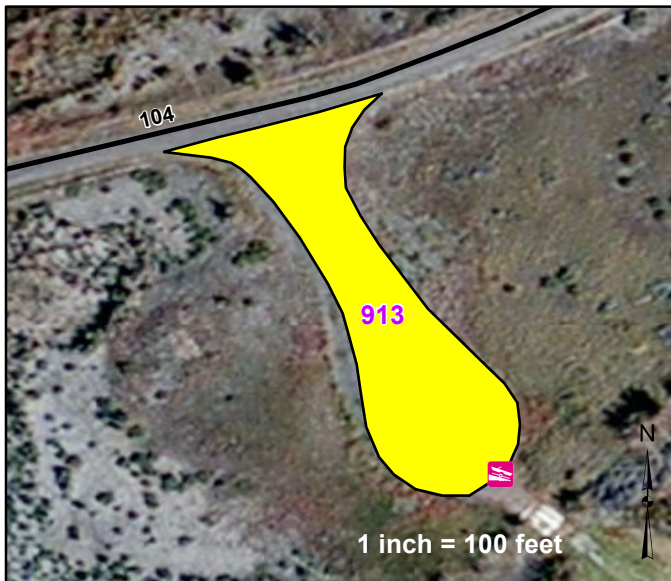
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005680	3535	Poor	Gravel	\$4,300	04-20-2012	\$19,400



Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Problem Area		Poor
			Visitor Center		Failed
			Other		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

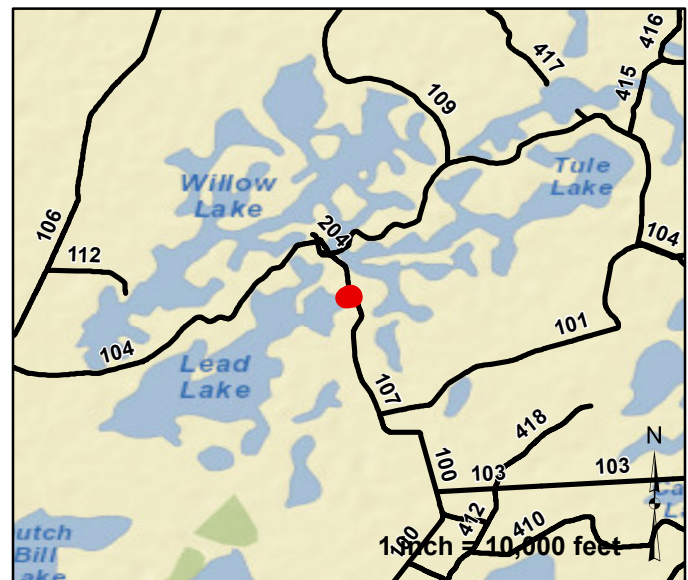
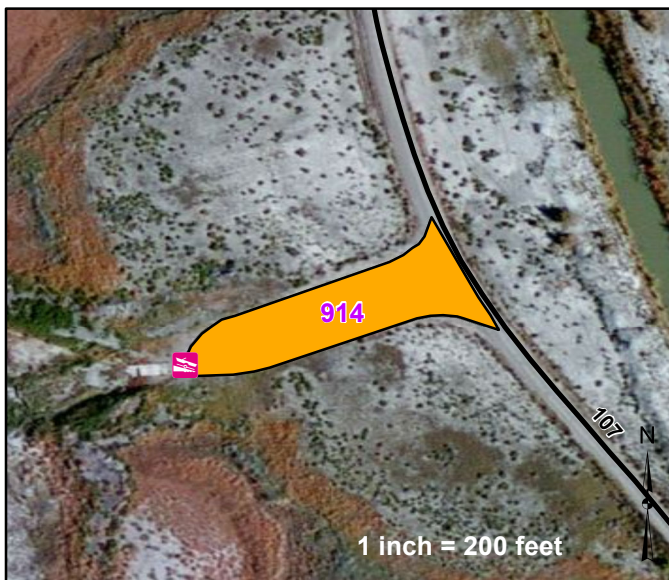
From Center Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005678	8698	Fair	Gravel	\$2,600	04-20-2012	\$47,800



Route Number:914
Peers Landing Parking Area
From Lead Lake Road (Route 107)

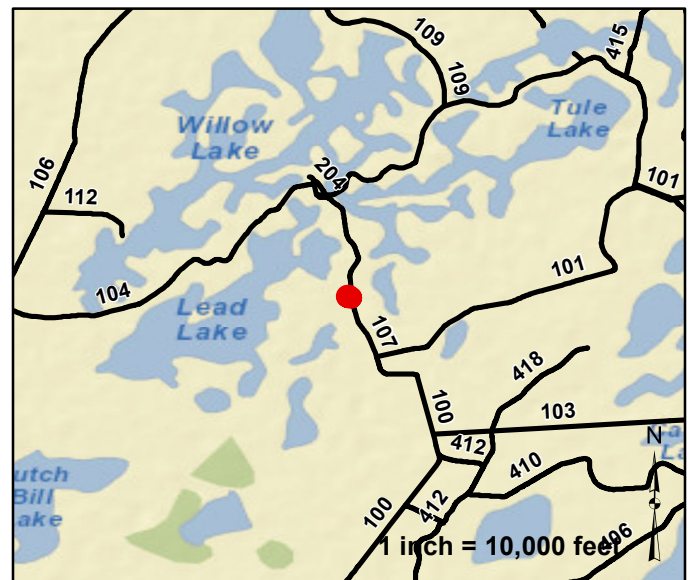
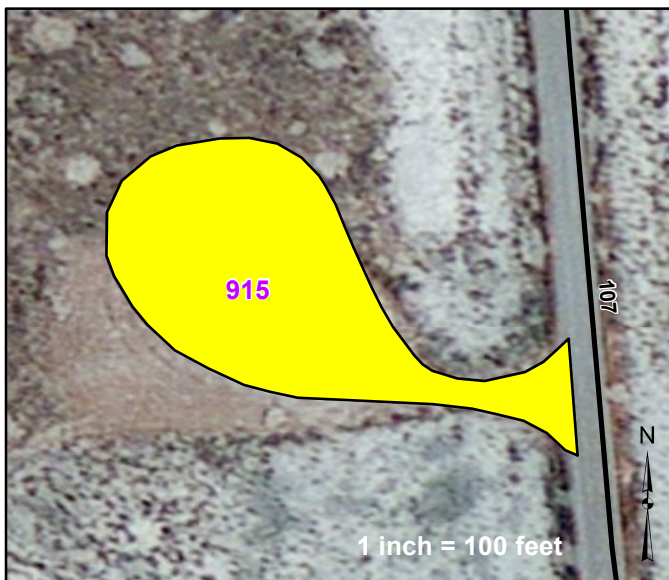
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005677	15294	Poor	Native	\$13,800	04-18-2012	\$36,300



Parking			Features			Condition:		
		Gate			Boat Ramp			Excellent
		Admin Bldg			Guardrail			Good
		Begin Section			Fee Station			Fair
					Visitor Center			Poor
					Other			Failed
					Problem Area			

Route Number:915
Lead Lake Parking Area
From Lead Lake Road (Route 107)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005683	13356	Fair	Gravel	\$3,900	04-18-2012	\$73,400



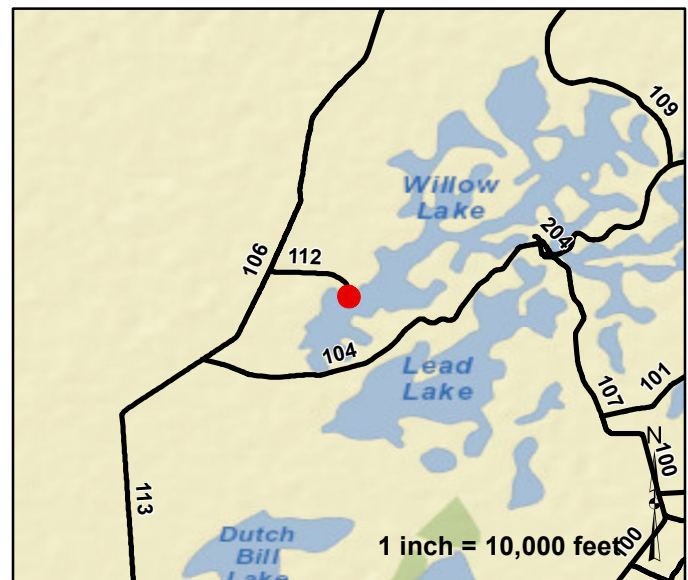
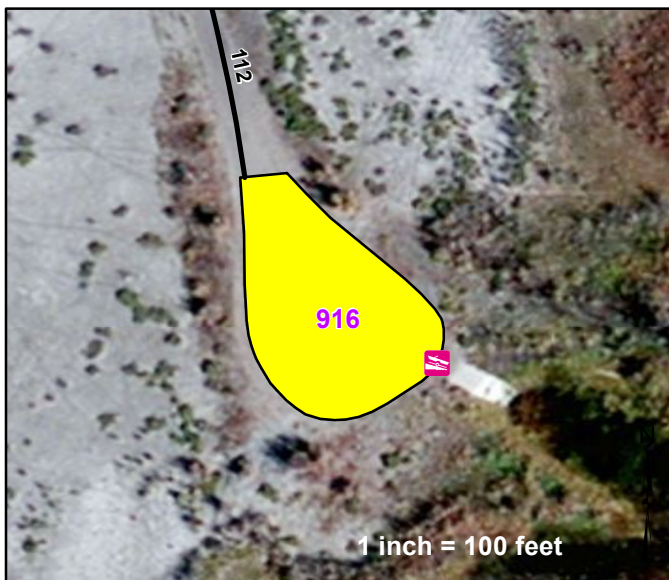
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:916

Millen Landing Parking Area

From Millen Landing Access Road (Route 112)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005679	6909	Fair	Gravel	\$2,000	04-19-2012	\$38,000



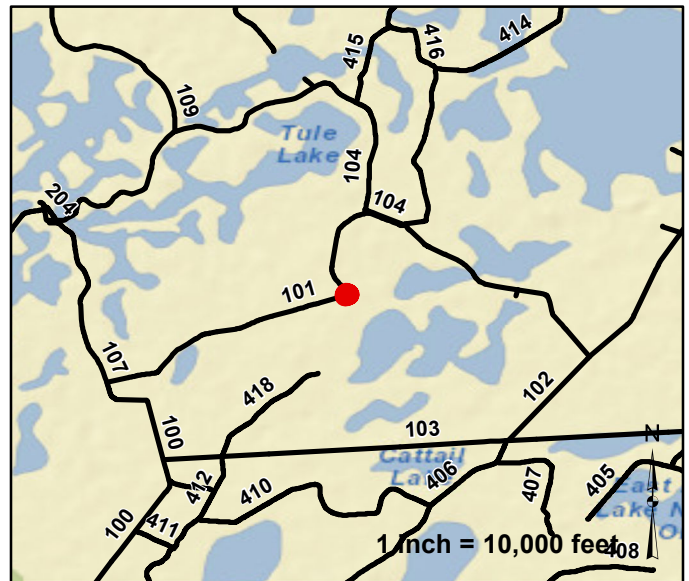
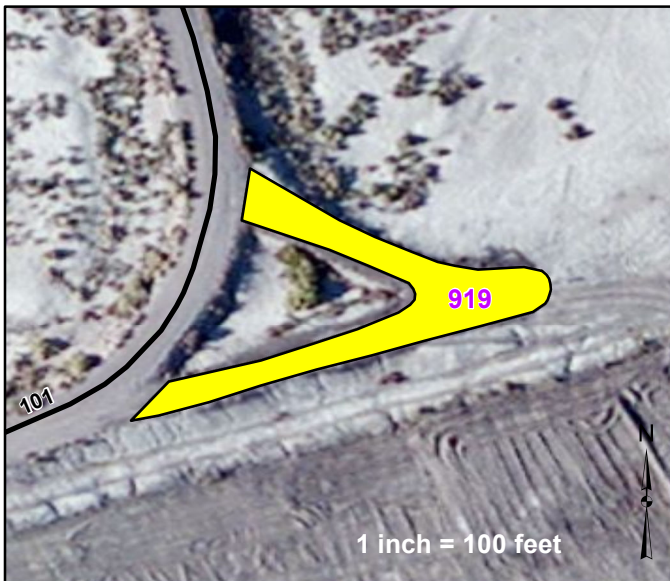
Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Visitor Center		Poor
			Problem Area		Failed
			Other		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:919

Navy Cabin Road

From Navy Cabin Road (Route 101)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005599	4672	Fair	Gravel	\$1,400	04-19-2012	\$25,700



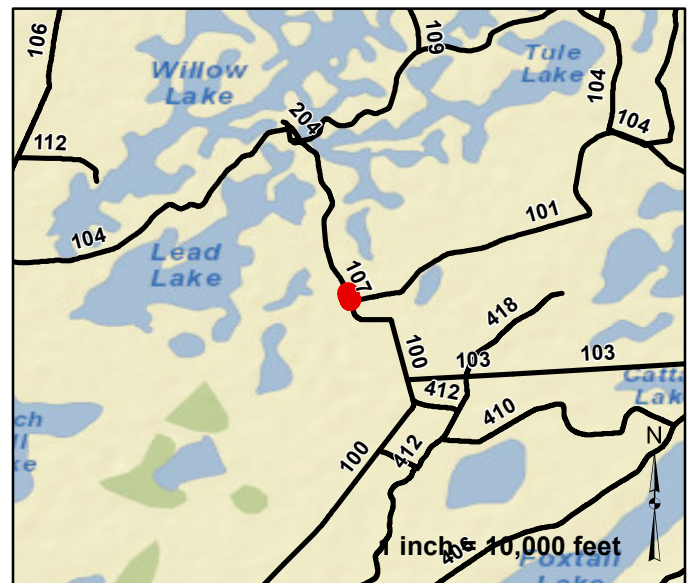
Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:921
Lead Lake Road Parking 1
From Lead Lake Road (Route 107)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	10898	Poor	Native	\$9,800	05-07-2004	\$25,800



No Photo Available



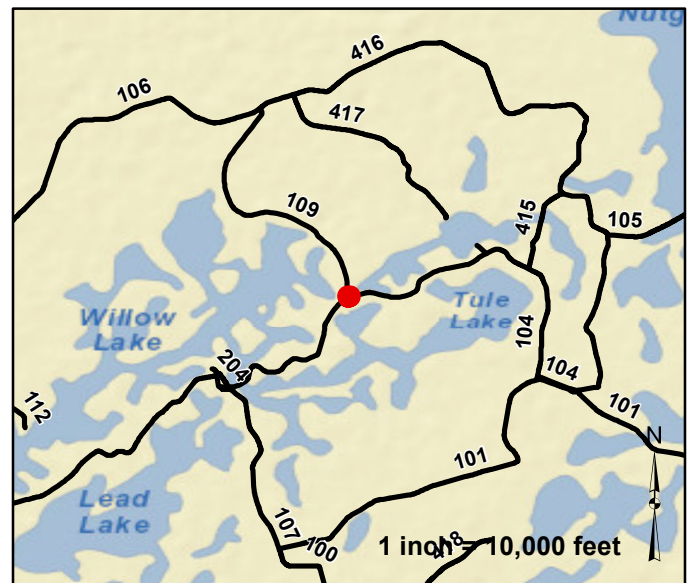
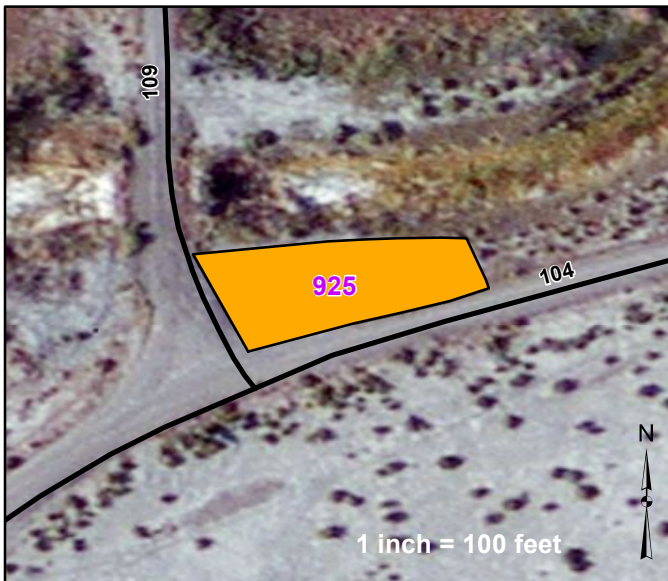
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:925
Center Road Parking 3
From Center Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	4491	Poor	Native	\$4,000	05-07-2004	\$10,700



No Photo Available



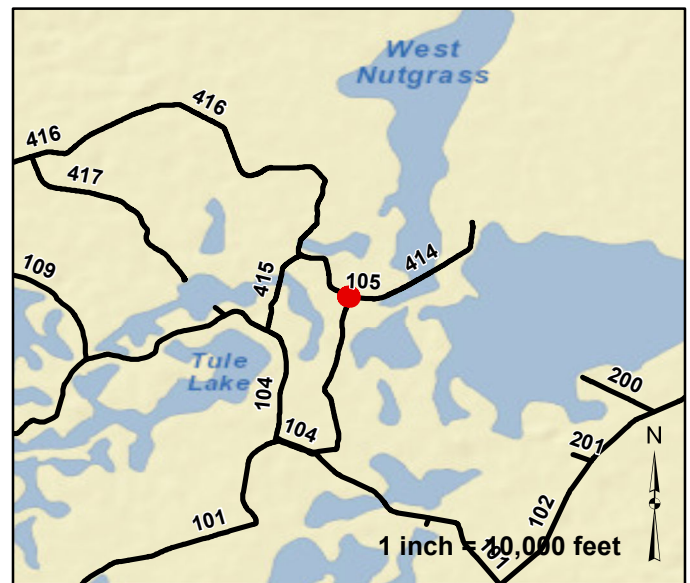
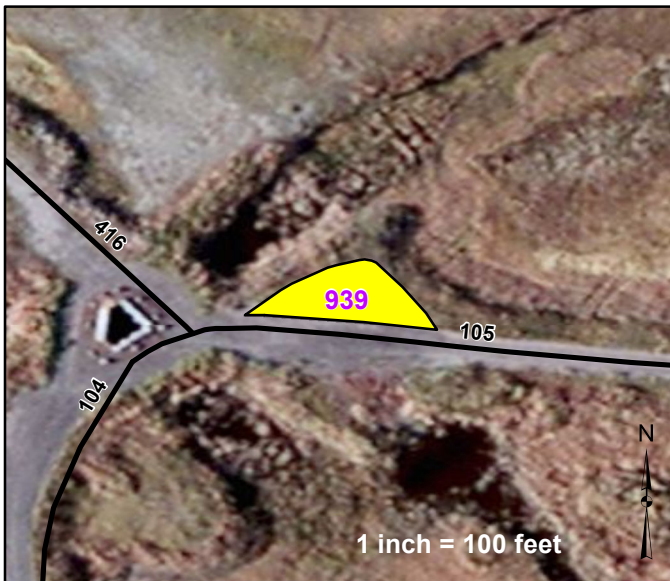
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:939
Center Road Parking 17
From Pintail Road (Route 105)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005646	1507	Fair	Native	\$400	05-07-2004	\$3,600



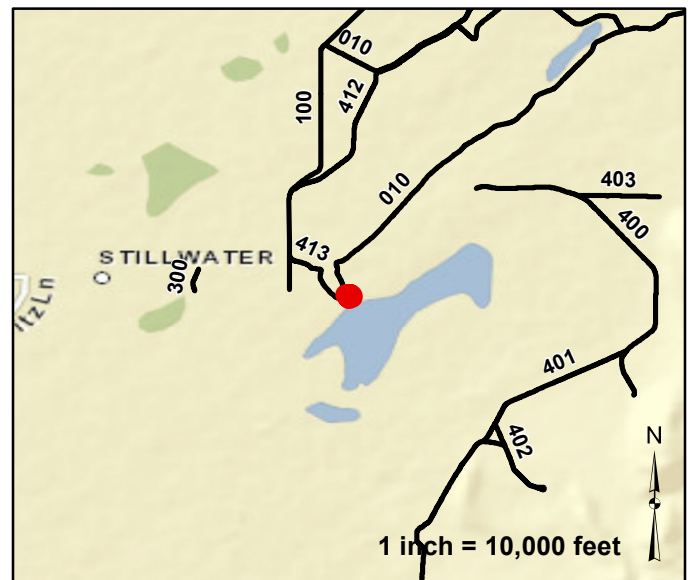
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Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:943
Stillwater Point Parking Area
 From Auto Tour Route (Route 010)

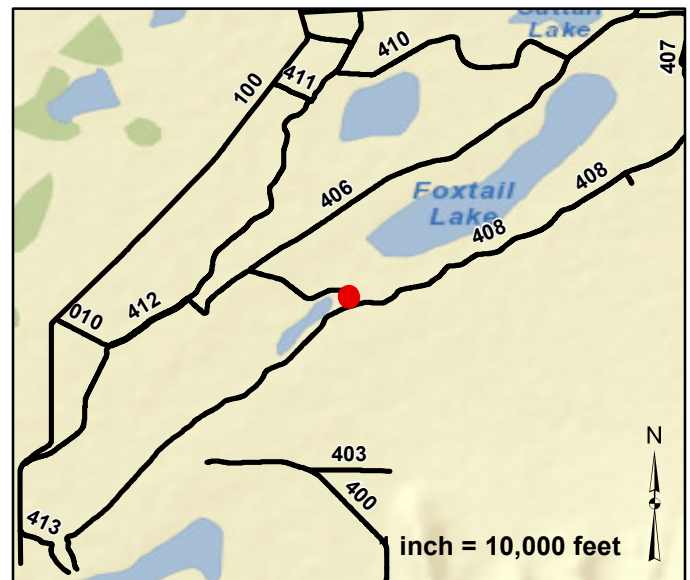
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10036681	20779	Excellent	Gravel	\$0	04-18-2012	\$114,200



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Low_Water_Crossing		Poor
					Water_Control_Structure		Failed

Route Number:944
Foxtail Lake Parking Area
 From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10057202	3092	Excellent	Gravel	\$0	04-18-2012	\$17,000



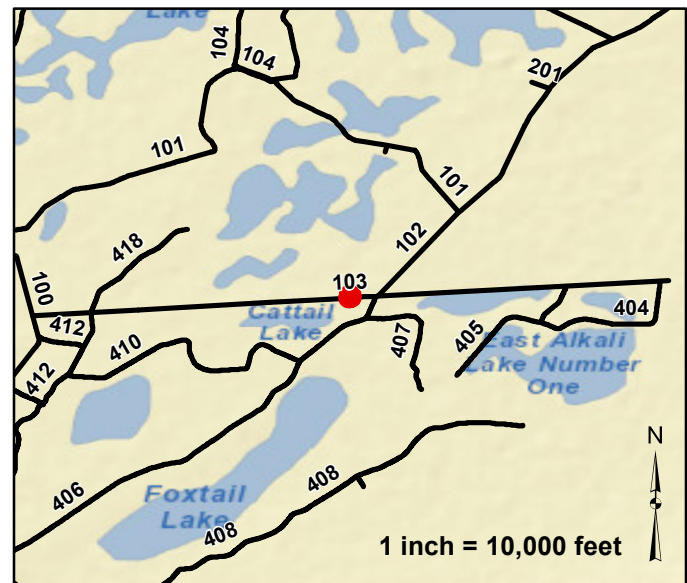
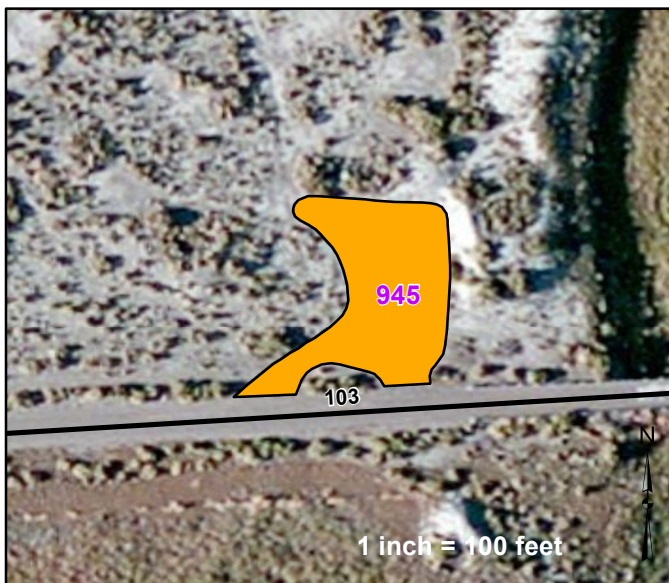
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:945
Division Road Bridge Parking Area
 From Division Road (Route 103)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005600	4842	Poor	Native	\$4,400	06-20-2007	\$11,500



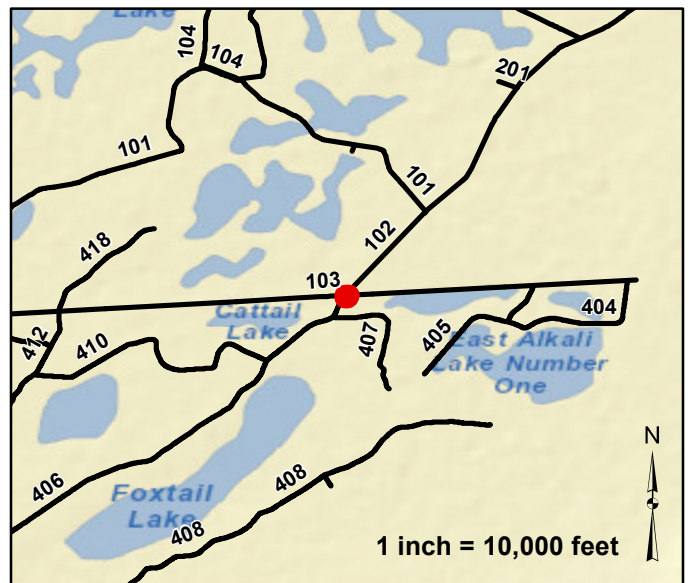
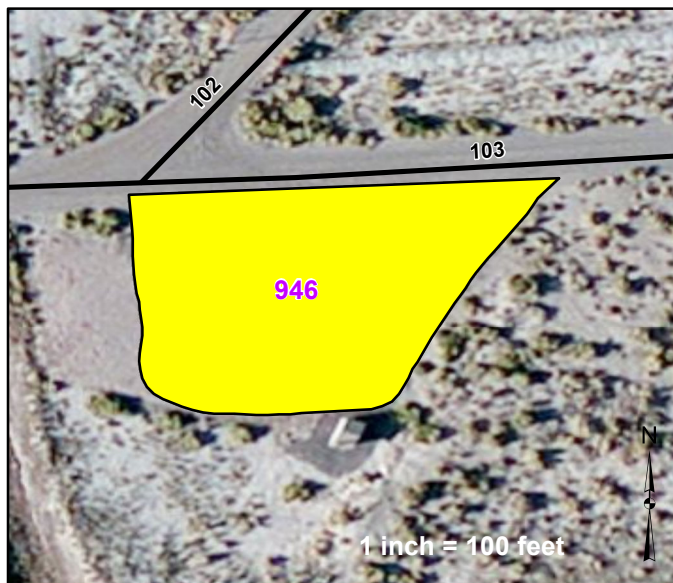
No Photo Available



Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		Culvert
					Low_Water_Crossing
					Water_Control_Structure

Route Number:946
Division Overnight Area Parking Area
From Division Road (Route 103)

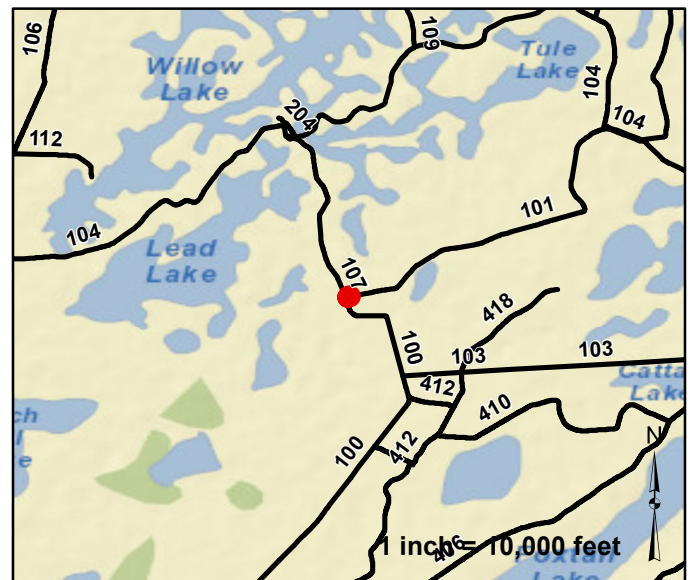
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10054648	15182	Fair	Gravel	\$4,500	04-18-2012	\$83,500



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:947
Neils Landing Parking Area
 From Navy Cabin Road (Route 101)

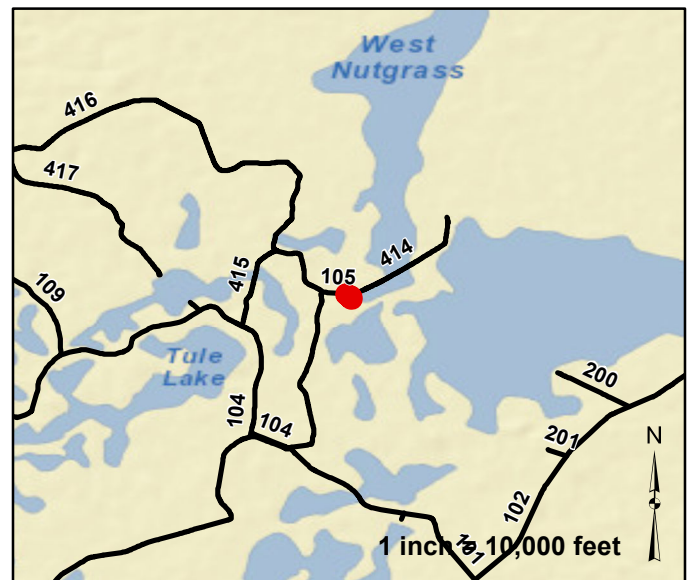
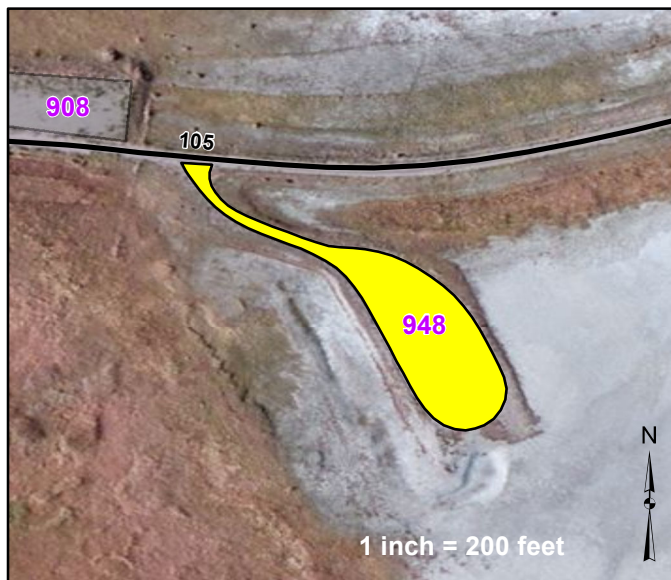
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005599	3830	Good	Native	\$600	04-19-2012	\$9,100



Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Problem Area		Poor
			Visitor Center		Failed
			Other		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:948
West Nutgrass Parking
 From Pintail Road (Route 105)

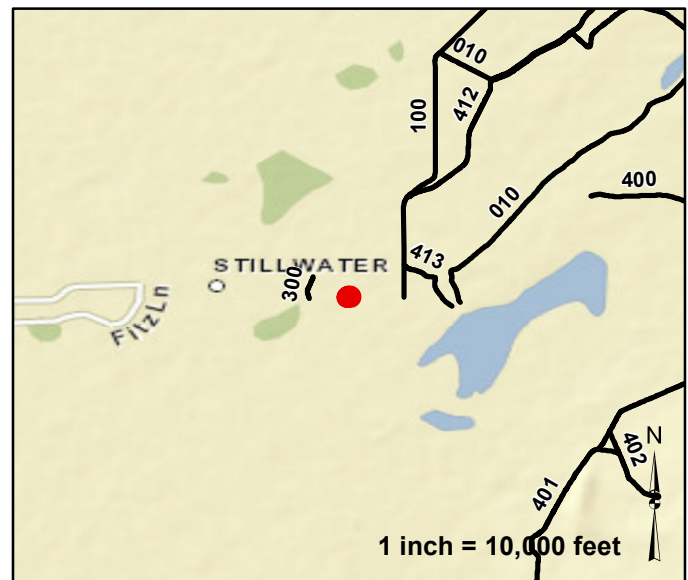
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005646	14902	Fair	Gravel	\$4,400	04-19-2012	\$81,900



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:949
Kent Wetland Visitor Area Parking
From Lawrence Lane

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10059599	5122	Good	Gravel	\$900	04-19-2012	\$28,200



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:950

Tule Trail Parking

From Hunter Road (Route 100)

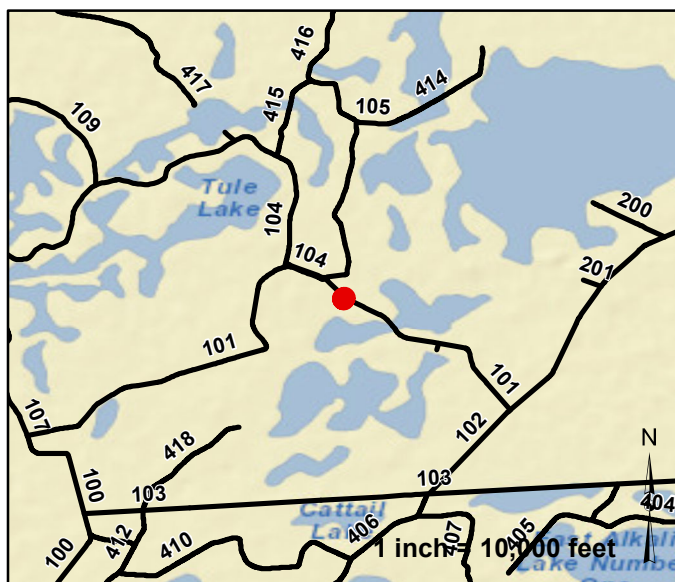
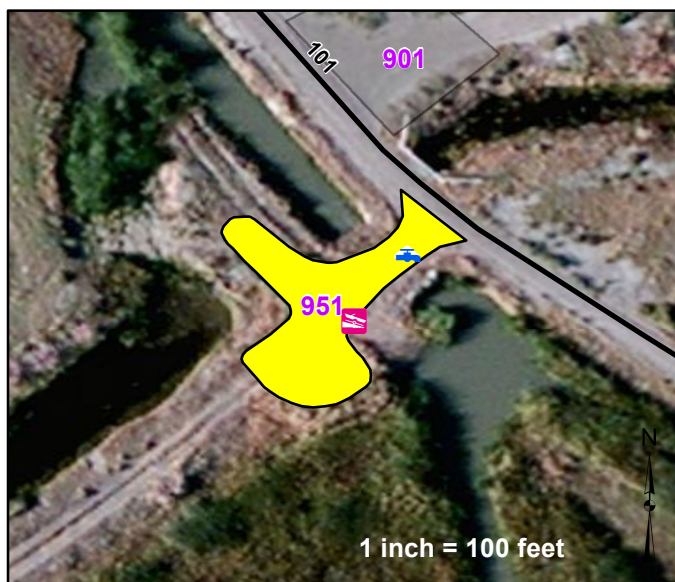
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10061756	8003	Good	Gravel	\$1,300	04-19-2012	\$44,000



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:951
Bob's Landing Parking
 From Navy Cabin Road (Route 101)

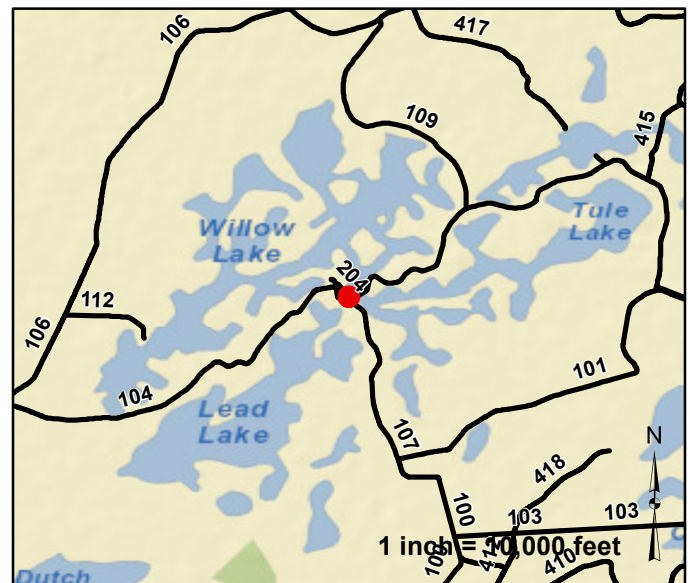
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	4195	Fair	Gravel	\$1,200	04-20-2012	\$23,100



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:952
Northwest Tule Lake Landing Parking Area
From Center Road (Route 104)

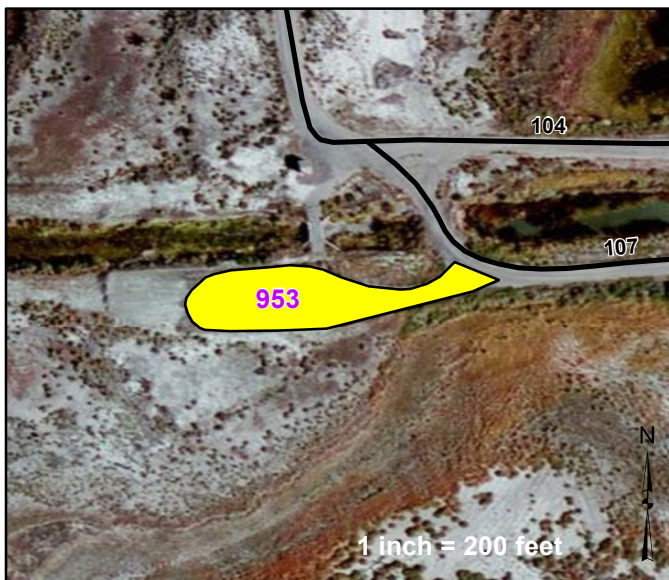
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
10005681	1235	Fair	Gravel	\$400	04-20-2012	\$6,800



Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:953
Lead Line Road/ Center Road Overnight Parking Area
From Lead Lake Road (Route 107)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	10773	Fair	Gravel	\$3,200	04-20-2012	\$59,200



Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Excellent
			Admin Bldg		Guardrail		Good
			Begin Section		Fee Station		Fair
					Visitor Center		Poor
					Other		Failed
					Problem Area		
					Culvert		
					Low_Water_Crossing		
					Water_Control_Structure		

Stillwater National Wildlife Refuge - 84590 - Bridge Inventory					
Rte #	Milepost	NBIS #	Sufficiency Rating	Functionally Obsolete	Structurally Deficient
103	2.41	N/A	N/A	N/A	N/A
406	1.28	N/A	N/A	N/A	N/A

ROUTE: 010

Features Photographs



Photo: STIL_C4_1132 Route: 010-001-0.0
Begin Section



Photo: STIL_C4_1133 Route: 010-001-0.28
Plastic Culvert 40ft long 36in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1134 Route: 010-001-0.28
Plastic Culvert 40ft long 36in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1135 Route: 010-002-1.0
Begin Section



Photo: STIL_C4_1136 Route: 010-003-1.98
Begin Section



Photo: STIL_C4_1137 Route: 010-003-2.7
Plastic WCS Flap Gate/Full-Round Riser
40ft long 60in dia. 4ft deep Asset# NA

ROUTE: 010

Features Photographs



Photo: STIL_C4_1138 Route: 010-003-2.7
Plastic WCS Flap Gate/Full-Round Riser
40ft long 60in dia. 4ft deep Asset# NA



Photo: STIL_C4_1139 Route: 010-004-2.96
Begin Section



Photo: STIL_C4_1140 Route: 010-005-3.67
Begin Section



Photo: STIL_C4_1143 Route: 010-005-3.92
Plastic WCS Flap Gate/Full-Round Riser
50ft long 60in dia. 3ft deep Asset# NA



Photo: STIL_C4_1144 Route: 010-005-3.92
Plastic WCS Flap Gate/Full-Round Riser
50ft long 60in dia. 3ft deep Asset# NA



Photo: STIL_C4_1145 Route: 010-005-4.16
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 3ft deep Asset# NA

ROUTE: 010

Features Photographs



Photo: STIL_C4_1146 Route: 010-005-4.16
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 3ft deep Asset# NA



Photo: STIL_C4_1147 Route: 010-006-4.64
Begin Section



Photo: STIL_C4_1148 Route: 010-007-5.63
Begin Section



Photo: STIL_C4_1149 Route: 010-007-6.06
Plastic Culvert 40ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1150 Route: 010-007-6.06
Plastic Culvert 40ft long 48in dia. 2ft deep
Asset# NA

ROUTE: 100

Features Photographs



Photo: STIL_C4_1016 Route: 100-001-0.0
Begin Section



Photo: STIL_C4_1017 Route: 100-002-1.03
Begin Section



Photo: STIL_C4_1018 Route: 100-003-2.02
Begin Section



Photo: STIL_C4_1019 Route: 100-003-2.48
Metal WCS Flashboard Riser 50ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1020 Route: 100-003-2.48
Metal WCS Flashboard Riser 50ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1021 Route: 100-004-3.01
Begin Section

ROUTE: 100

Features Photographs



Photo: STIL_C4_1022 Route: 100-005-4.04
Begin Section



Photo: STIL_C4_1023 Route: 100-006-5.02
Begin Section



Photo: STIL_C4_1024 Route: 100-007-6.03
Begin Section

ROUTE: 101

Features Photographs



Photo: STIL_C4_1171 Route: 101-001-0.0
Begin Section



Photo: STIL_C4_1172 Route: 101-001-0.01
Plastic WCS Screw Gate 90ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1173 Route: 101-001-0.01
Plastic WCS Screw Gate 90ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1170 Route: 101-001-0.01
Plastic WCS Screw Gate 100ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1174 Route: 101-001-0.01
Plastic WCS Screw Gate 100ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1175 Route: 101-002-1.02
Begin Section

ROUTE: 101

Features Photographs



Photo: STIL_C4_1176 Route: 101-003-2.04
Begin Section



Photo: STIL_C4_1179 Route: 101-004-3.04
Begin Section



Photo: STIL_C4_1180 Route: 101-004-3.35
Plastic WCS Flashboard Riser 60ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1181 Route: 101-004-3.35
Plastic WCS Flashboard Riser 60ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1184 Route: 101-004-3.98
Plastic WCS Flashboard Riser 25ft long 24in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1185 Route: 101-004-3.98
Plastic WCS Flashboard Riser 25ft long 24in dia. 2ft deep
Asset# NA 8-007

ROUTE: 101

Features Photographs



Photo: STIL_C4_1186 Route: 101-005-4.05
Begin Section



Photo: STIL_C4_1187 Route: 101-005-4.06
Plastic WCS Flap Gate/Full-Round Riser
30ft long 24in dia. 4ft deep Asset# NA



Photo: STIL_C4_1188 Route: 101-005-4.06
Plastic WCS Flap Gate/Full-Round Riser
30ft long 24in dia. 4ft deep Asset# NA



Photo: STIL_C4_1192 Route: 101-005-4.79
Plastic WCS Flashboard Riser 40ft long 24in dia. 4ft deep
Asset# NA



Photo: STIL_C4_1193 Route: 101-005-4.79
Plastic WCS Flashboard Riser 40ft long 24in dia. 4ft deep
Asset# NA



Photo: STIL_C4_1194 Route: 101-006-5.06
Begin Section

ROUTE: 102

Features Photographs



Photo: STIL_C4_1195 Route: 102-001-0.0
Begin Section



Photo: STIL_C4_1196 Route: 102-001-0.01
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1197 Route: 102-002-1.01
Begin Section



Photo: STIL_C4_1198 Route: 102-003-2.04
Begin Section



Photo: STIL_C4_1199 Route: 102-003-2.12
Metal Culvert 40ft long 48in dia. 6ft deep
Asset# NA



Photo: STIL_C4_1200 Route: 102-003-2.12
Metal Culvert 40ft long 48in dia. 6ft deep
Asset# NA

ROUTE: 102

Features Photographs



Photo: STIL_C4_1201 Route: 102-004-3.03
Begin Section



Photo: STIL_C4_1202 Route: 102-004-3.55
Metal Culvert 40ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1203 Route: 102-004-3.55
Metal Culvert 40ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1206 Route: 102-005-4.05
Begin Section



Photo: STIL_C4_1204 Route: 102-005-4.68
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1205 Route: 102-006-4.59
Begin Section

ROUTE: 103

Features Photographs



Photo: STIL_C4_1058 Route: 103-001-0.0
Begin Section



Photo: STIL_C4_1057 Route: 103-001-0.0
Metal Cattle Guard
Asset# NA



Photo: STIL_C4_1056 Route: 103-002-1.0
Begin Section



Photo: STIL_C4_1053 Route: 103-003-2.01
Begin Section



Photo: STIL_C4_1054 Route: 103-003-2.01
Metal WCS Flashboard Riser 40ft long 48in dia. 4ft deep
Asset# NA



Photo: STIL_C4_1055 Route: 103-003-2.01
Metal WCS Flashboard Riser 40ft long 48in dia. 4ft deep
Asset# NA 8-011

ROUTE: 103

Features Photographs



Photo: STIL_C4_1049 Route: 103-003-2.23
Metal WCS Flashboard Riser 35ft long 48in dia. 7ft deep
Asset# NA



Photo: STIL_C4_1050 Route: 103-003-2.23
Metal WCS Flashboard Riser 35ft long 48in dia. 7ft deep
Asset# NA



Photo: STIL_C4_1048 Route: 103-003-2.41
Concrete Bridge NBIS Number Unknown
Asset# NA



Photo: STIL_C4_1047 Route: 103-004-3.05
Begin Section



Photo: STIL_C4_1044 Route: 103-005-4.05
Begin Section



Photo: STIL_C4_1042 Route: 103-005-4.4
Plastic Culvert 35ft long 60in dia. 2ft deep
Asset# NA

ROUTE: 103

Features Photographs



Photo: STIL_C4_1043 Route: 103-005-4.4
Plastic Culvert 35ft long 60in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1038 Route: 103-005-4.85
Plastic Culvert 40ft long 60in dia. 1ft deep
Asset# NA



Photo: STIL_C4_1039 Route: 103-005-4.85
Plastic Culvert 40ft long 60in dia. 1ft deep
Asset# NA

ROUTE: 104

Features Photographs



Photo: STIL_C4_1266 Route: 104-001-0.0
Begin Section



Photo: STIL_C4_1267 Route: 104-001-0.27
Metal WCS Flashboard Riser 35ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1268 Route: 104-001-0.27
Metal WCS Flashboard Riser 35ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1269 Route: 104-001-0.31
Metal WCS Flashboard Riser 35ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1270 Route: 104-001-0.31
Metal WCS Flashboard Riser 35ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1271 Route: 104-002-1.02
Begin Section

ROUTE: 104

Features Photographs



Photo: STIL_C4_1274 Route: 104-002-1.34
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1275 Route: 104-003-2.03
Begin Section



Photo: STIL_C4_1276 Route: 104-004-3.04
Begin Section



Photo: STIL_C4_1277 Route: 104-004-3.18
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1283 Route: 104-004-3.4
Plastic WCS Flap Gate/Full-Round Riser
50ft long 48in dia. 2ft deep Asset# NA



Photo: STIL_C4_1286 Route: 104-004-3.4
Plastic WCS Flap Gate/Full-Round Riser
50ft long 48in dia. 2ft deep Asset# NA

ROUTE: 104

Features Photographs



Photo: STIL_C4_1284 Route: 104-004-3.41
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 2ft deep Asset# NA



Photo: STIL_C4_1285 Route: 104-004-3.41
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 2ft deep Asset# NA



Photo: STIL_C4_1291 Route: 104-005-4.05
Begin Section



Photo: STIL_C4_1299 Route: 104-006-5.07
Begin Section



Photo: STIL_C4_1300 Route: 104-007-6.07
Begin Section



Photo: STIL_C4_1304 Route: 104-007-6.18
Metal Open Rail Gate
Asset# 10005729

ROUTE: 104

Features Photographs



Photo: STIL_C4_1305 Route: 104-007-6.82
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 2ft deep Asset# NA



Photo: STIL_C4_1306 Route: 104-007-6.82
Plastic WCS Flap Gate/Full-Round Riser
40ft long 48in dia. 2ft deep Asset# NA



Photo: STIL_C4_1307 Route: 104-008-7.07
Begin Section



Photo: STIL_C4_1308 Route: 104-008-7.68
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1309 Route: 104-008-7.7
Metal Culvert 40ft long 48in dia. 4ft deep
Asset# NA



Photo: STIL_C4_1310 Route: 104-008-7.7
Metal Culvert 40ft long 48in dia. 4ft deep
Asset# NA

ROUTE: 104

Features Photographs



Photo: STIL_C4_1214 Route: 104-009-7.69
Begin Section



Photo: STIL_C4_1215 Route: 104-009-8.07
Plastic WCS Flashboard Riser 60ft long 36in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1216 Route: 104-009-8.07
Plastic WCS Flashboard Riser 60ft long 36in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1217 Route: 104-009-8.47 Other 1218
Problem area 2 road needs to be built up to prevent wind
and water from washing it out



Photo: STIL_C4_1219 Route: 104-009-8.7
Other 1220, Problem area 2 road needs to be built up



Photo: STIL_C4_1223 Route: 104-009-8.83
Metal WCS Flashboard Riser 35ft long 36in dia. 3ft deep
Asset# NA 8-018

ROUTE: 104

Features Photographs



Photo: STIL_C4_1224 Route: 104-009-8.83
Metal WCS Flashboard Riser 35ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1225 Route: 104-010-9.01
Begin Section

ROUTE: 105

Features Photographs



Photo: STIL_C4_1226 Route: 105-001-0.0
Begin Section



Photo: STIL_C4_1227 Route: 105-001-0.0
Plastic WCS Flashboard Riser 50ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1228 Route: 105-001-0.0
Plastic WCS Flashboard Riser 50ft long 36in dia. 3ft deep
Asset# NA

ROUTE: 106

Features Photographs



Photo: STIL_C4_1261 Route: 106-001-0.0
Begin Section



Photo: STIL_C4_1257 Route: 106-002-1.03
Begin Section



Photo: STIL_C4_1256 Route: 106-003-2.02
Begin Section



Photo: STIL_C4_1255 Route: 106-004-3.03
Begin Section



Photo: STIL_C4_1254 Route: 106-005-3.07
Begin Section



Photo: STIL_C4_1253 Route: 106-006-4.06
Begin Section

ROUTE: 106

Features Photographs



Photo: STIL_C4_1252 Route: 106-007-5.07
Begin Section

ROUTE: 107

Features Photographs



Photo: STIL_C4_1025 Route: 107-001-0.0
Begin Section



Photo: STIL_C4_1026 Route: 107-001-0.19
Metal WCS Screw Gate 65ft long 24in dia. 8ft deep
Asset# NA



Photo: STIL_C4_1027 Route: 107-001-0.19
Metal WCS Screw Gate 65ft long 24in dia. 8ft deep
Asset# NA



Photo: STIL_C4_1028 Route: 107-002-0.2
Begin Section



Photo: STIL_C4_1029 Route: 107-002-0.29
Metal WCS Flashboard Riser 40ft long 36in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1030 Route: 107-002-0.29
Metal WCS Flashboard Riser 40ft long 36in dia. 2ft deep
Asset# NA 8-023

ROUTE: 107

Features Photographs



Photo: STIL_C4_1033 Route: 107-003-1.24
Begin Section



Photo: STIL_C4_1036 Route: 107-003-1.96
Metal Culvert 40ft long 60in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1037 Route: 107-003-1.96
Metal Culvert 40ft long 60in dia. 2ft deep
Asset# NA

ROUTE: 109

Features Photographs



Photo: STIL_C4_1296 Route: 109-001-0.0
Begin Section



Photo: STIL_C4_1295 Route: 109-002-1.06
Begin Section



Photo: STIL_C4_1294 Route: 109-003-2.04
Begin Section



Photo: STIL_C4_1297 Route: 109-003-2.11 Other this is one of the problem areas. The alkali is flowing up and making the road impassable in wet weather photos 1297 - 1298



Photo: STIL_C4_1292 Route: 109-003-2.47
Plastic WCS Flashboard Riser 45ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1293 Route: 109-003-2.47
Plastic WCS Flashboard Riser 45ft long 48in dia. 2ft deep
Asset# NA 8-025

ROUTE: 112

Features Photographs



Photo: STIL_C4_1258 Route: 112-001-0.0
Begin Section

ROUTE: 113

Features Photographs



Photo: STIL_C4_1265 Route: 113-001-0.0
Begin Section



Photo: STIL_C4_1264 Route: 113-002-1.02
Begin Section



Photo: STIL_C4_1263 Route: 113-002-1.57
Metal Cattle Guard
Asset# NA



Photo: STIL_C4_1262 Route: 113-003-2.04
Begin Section

ROUTE: 200

Features Photographs



Photo: STIL_C4_1207 Route: 200-001-0.0
Begin Section

ROUTE: 201

Features Photographs



Photo: STIL_C4_1210 Route: 201-001-0.0
Begin Section

ROUTE: 202

Features Photographs



Photo: STIL_C4_1189 Route: 202-001-0.0
Begin Section

ROUTE: 203

Features Photographs



Photo: STIL_C4_1301 Route: 203-001-0.0
Begin Section

ROUTE: 204

Features Photographs



Photo: STIL_C4_1280 Route: 204-001-0.0
Begin Section

ROUTE: 300

Features Photographs



Photo: STIL_C4_1155 Route: 300-001-0.0
Begin Section



Photo: STIL_C4_1156 Route: 300-001-0.01
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1157 Route: 300-001-0.01
Plastic WCS Flap Gate/Full-Round Riser
40ft long 36in dia. 2ft deep Asset# NA



Photo: STIL_C4_1158 Route: 300-001-0.01
Plastic WCS Flap Gate/Full-Round Riser
40ft long 36in dia. 2ft deep Asset# NA



Photo: STIL_C4_1159 Route: 300-001-0.03
Concrete WCS Screw Gate 40ft long Nonein dia. 2ft deep
6 x 10 box
Asset# NA



Photo: STIL_C4_1160 Route: 300-001-0.03
Concrete WCS Screw Gate 40ft long Nonein dia. 2ft deep
6 x 10 box
Asset# NA 8-033

ROUTE: 400

Features Photographs



Photo: STIL_C4_1002 Route: 400-001-0.0
Begin Section



Photo: STIL_C4_1003 Route: 400-002-0.97
Begin Section



Photo: STIL_C4_1004 Route: 400-003-1.97
Begin Section



Photo: STIL_C4_1005 Route: 400-003-3.09
Metal Open Rail Gate
Asset# 10005729

ROUTE: 401

Features Photographs



Photo: STIL_C4_1006 Route: 401-001-0.0
Begin Section



Photo: STIL_C4_1007 Route: 401-002-0.98
Begin Section



Photo: STIL_C4_1008 Route: 401-003-2.01
Begin Section



Photo: STIL_C4_1009 Route: 401-004-2.98
Begin Section



Photo: STIL_C4_1010 Route: 401-004-4.19
Metal Open Rail Gate
Asset# 10005729

ROUTE: 402

Features Photographs



Photo: STIL_C4_1011 Route: 402-001-0.0
Begin Section



Photo: STIL_C4_1012 Route: 402-001-0.72
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1013 Route: 402-002-0.22
Begin Section

ROUTE: 403

Features Photographs



Photo: STIL_C4_1014 Route: 403-001-0.0
Begin Section



Photo: STIL_C4_1015 Route: 403-001-0.62
Metal Open Rail Gate
Asset# 10005729

ROUTE: 404

Features Photographs



Photo: STIL_C4_1059 Route: 404-001-0.0
Begin Section



Photo: STIL_C4_1060 Route: 404-001-0.01
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1061 Route: 404-001-0.24
Metal Culvert 20ft long 24in dia. 1ft deep
Asset# NA



Photo: STIL_C4_1062 Route: 404-001-0.24
Metal Culvert 20ft long 24in dia. 1ft deep
Asset# NA



Photo: STIL_C4_1063 Route: 404-001-0.58
Metal WCS Flashboard Riser 50ft long 36in dia. 6ft deep
Asset# NA



Photo: STIL_C4_1064 Route: 404-001-0.58
Metal WCS Flashboard Riser 50ft long 36in dia. 6ft deep
Asset# NA 8-038

ROUTE: 404

Features Photographs



Photo: STIL_C4_1065 Route: 404-002-0.73
Begin Section

ROUTE: 405

Features Photographs



Photo: STIL_C4_1066 Route: 405-001-0.0
Begin Section



Photo: STIL_C4_1067 Route: 405-001-0.01
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1068 Route: 405-001-0.01
Metal WCS Flashboard Riser 70ft long 60in dia. 8ft deep
Asset# NA



Photo: STIL_C4_1069 Route: 405-001-0.01
Metal WCS Flashboard Riser 70ft long 60in dia. 8ft deep
Asset# NA



Photo: STIL_C4_1070 Route: 405-002-1.01
Begin Section



Photo: STIL_C4_1071 Route: 405-002-1.35
Metal Gate Barb Wire, Lock rusted shut
Asset# NA

ROUTE: 406

Features Photographs



Photo: STIL_C4_1072 Route: 406-001-0.0
Begin Section



Photo: STIL_C4_1073 Route: 406-001-0.0
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1077 Route: 406-001-0.02
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1078 Route: 406-001-0.02
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1079 Route: 406-002-0.98
Begin Section



Photo: STIL_C4_1080 Route: 406-002-1.28
Wood Bridge NBIS:NA
Asset# NA

ROUTE: 406

Features Photographs



Photo: STIL_C4_1081 Route: 406-003-1.98
Begin Section



Photo: STIL_C4_1082 Route: 406-004-3.01
Begin Section

ROUTE: 407

Features Photographs



Photo: STIL_C4_1074 Route: 407-001-0.0
Begin Section



Photo: STIL_C4_1075 Route: 407-001-0.28
Plastic WCS Flashboard Riser 40ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1076 Route: 407-001-0.28
Plastic WCS Flashboard Riser 40ft long 48in dia. 2ft deep
Asset# NA

ROUTE: 408

Features Photographs



Photo: STIL_C4_1085 Route: 408-001-0.0
Begin Section



Photo: STIL_C4_1086 Route: 408-002-0.95
Begin Section



Photo: STIL_C4_1087 Route: 408-003-1.96
Begin Section



Photo: STIL_C4_1088 Route: 408-003-2.12
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1089 Route: 408-003-2.16
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1090 Route: 408-003-2.16
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA 8-044

ROUTE: 408

Features Photographs



Photo: STIL_C4_1091 Route: 408-003-2.55
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1092 Route: 408-003-2.55
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1093 Route: 408-004-2.95
Begin Section



Photo: STIL_C4_1094 Route: 408-004-3.51
Plastic WCS Flashboard Riser 45ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1095 Route: 408-004-3.51
Plastic WCS Flashboard Riser 45ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1096 Route: 408-004-3.76
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA 8-045

ROUTE: 408

Features Photographs



Photo: STIL_C4_1097 Route: 408-004-3.76
Metal WCS Flashboard Riser 30ft long 36in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1098 Route: 408-004-4.03
Metal Open Rail Gate
Asset# 10005729

ROUTE: 409

Features Photographs



Photo: STIL_C4_1099 Route: 409-001-0.0
Begin Section



Photo: STIL_C4_1100 Route: 409-001-0.01
Plastic Culvert 30ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1101 Route: 409-001-0.01
Plastic Culvert 30ft long 48in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1102 Route: 409-001-0.12
Metal Open Rail Gate
Asset# 10005729

ROUTE: 410

Features Photographs



Photo: STIL_C4_1103 Route: 410-001-0.0
Begin Section



Photo: STIL_C4_1104 Route: 410-001-0.49
Plastic WCS Flap Gate/Full-Round Riser
30ft long 48in dia. 4ft deep Asset# NA



Photo: STIL_C4_1105 Route: 410-001-0.49
Plastic WCS Flap Gate/Full-Round Riser
30ft long 48in dia. 4ft deep Asset# NA



Photo: STIL_C4_1106 Route: 410-002-0.97
Begin Section



Photo: STIL_C4_1107 Route: 410-002-1.87
Plastic WCS Flap Gate/Full-Round Riser
30ft long 60in dia. 2ft deep Asset# NA



Photo: STIL_C4_1108 Route: 410-002-1.87
Plastic WCS Flap Gate/Full-Round Riser
30ft long 60in dia. 2ft deep Asset# NA

ROUTE: 410

Features Photographs



Photo: STIL_C4_1109 Route: 410-003-1.97
Begin Section

ROUTE: 411

Features Photographs



Photo: STIL_C4_1110 Route: 411-001-0.0
Begin Section



Photo: STIL_C4_1111 Route: 411-001-0.01
Plastic WCS Flap Gate/Full-Round Riser
40ft long 60in dia. 1ft deep Asset# NA



Photo: STIL_C4_1112 Route: 411-001-0.01
Plastic WCS Flap Gate/Full-Round Riser 40ft long 60in dia. 1ft deep
Asset# NA

ROUTE: 412

Features Photographs



Photo: STIL_C4_1113 Route: 412-001-0.0
Begin Section



Photo: STIL_C4_1114 Route: 412-001-0.34
Plastic WCS Flap Gate/Full-Round Riser
40ft long 60in dia. 4ft deep Asset# NA



Photo: STIL_C4_1115 Route: 412-001-0.34
Plastic WCS Flap Gate/Full-Round Riser
40ft long 60in dia. 4ft deep Asset# NA



Photo: STIL_C4_1116 Route: 412-002-0.97
Begin Section



Photo: STIL_C4_1118 Route: 412-003-1.93
Begin Section



Photo: STIL_C4_1119 Route: 412-004-2.93
Begin Section

ROUTE: 412

Features Photographs



Photo: STIL_C4_1120 Route: 412-005-3.93
Begin Section



Photo: STIL_C4_1121 Route: 412-006-4.94
Begin Section



Photo: STIL_C4_1122 Route: 412-006-5.5
Plastic Culvert 120ft long 60in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1125 Route: 412-006-5.5
Plastic Culvert 120ft long 60in dia. 2ft deep
Asset# NA



Photo: STIL_C4_1123 Route: 412-006-5.51
Concrete WCS Flashboard Riser 50ft long 48in dia. 3ft deep
Asset# NA



Photo: STIL_C4_1124 Route: 412-006-5.51
Concrete WCS Flashboard Riser 50ft long 48in dia. 3ft deep
Asset# NA 8-052

ROUTE: 412

Features Photographs



Photo: STIL_C4_1117 Route: 412-007-0.35
Begin Section

ROUTE: 413

Features Photographs



Photo: STIL_C4_1126 Route: 413-001-0.0
Begin Section



Photo: STIL_C4_1127 Route: 413-002-0.29
Begin Section

ROUTE: 414

Features Photographs



Photo: STIL_C4_1233 Route: 414-001-0.0
Begin Section



Photo: STIL_C4_1234 Route: 414-001-0.0
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1235 Route: 414-002-0.99
Begin Section



Photo: STIL_C4_1236 Route: 414-002-1.04
Problem Area Road soft and mushy

ROUTE: 415

Features Photographs



Photo: STIL_C4_1237 Route: 415-001-0.0
Begin Section



Photo: STIL_C4_1238 Route: 415-001-0.52
Plastic WCS Flashboard Riser 40ft long 48in dia. 1ft deep
Asset# NA



Photo: STIL_C4_1239 Route: 415-001-0.52
Plastic WCS Flashboard Riser 40ft long 48in dia. 1ft deep
Asset# NA



Photo: STIL_C4_1240 Route: 415-001-0.83
Metal Cable Gate
Asset# NA

ROUTE: 416

Features Photographs



Photo: STIL_C4_1241 Route: 416-001-0.0
Begin Section



Photo: STIL_C4_1242 Route: 416-001-0.0
Metal Open Rail Gate
Asset# 10005729



Photo: STIL_C4_1243 Route: 416-002-0.99
Begin Section



Photo: STIL_C4_1244 Route: 416-003-2.01
Begin Section



Photo: STIL_C4_1245 Route: 416-003-2.7
Problem Area Road Washed out



Photo: STIL_C4_1246 Route: 416-004-2.97
Begin Section

ROUTE: 416

Features Photographs



Photo: STIL_C4_1247 Route: 416-004-3.26
Problem Area Road Washed out



Photo: STIL_C4_1248 Route: 416-005-3.94
Begin Section



Photo: STIL_C4_1249 Route: 416-005-4.57
Metal Open Rail Gate
Asset# 10005729

ROUTE: 417

Features Photographs



Photo: STIL_C4_1250 Route: 417-001-0.0
Begin Section



Photo: STIL_C4_1251 Route: 417-002-0.97
Begin Section

ROUTE: 418

Features Photographs



Photo: STIL_C4_1316 Route: 418-001-0.0
Begin Section



Photo: STIL_C4_1317 Route: 418-001-0.0
Metal Open Rail Gate
Asset# 10005729

ROUTE: 800

Features Photographs



Photo: STIL_C4_1153 Route: 800
Metal Chain Link Gate
Asset# NA



Photo: STIL_C4_1154 Route: 800
Metal Chain Link Gate
Asset# NA

ROUTE: 943

Features Photographs



Photo: STIL_C4_1130 Route: 943
Plastic Culvert 30ft long 18in dia. 1ft deep
Asset# 10036681



Photo: STIL_C4_1131 Route: 943
Plastic Culvert 30ft long 18in dia. 1ft deep
Asset# 10036681

ROUTE: 949

Features Photographs



Photo: STIL_C4_1163 Route: 949
Metal Open Rail Gate
Asset# 10005729

ROUTE: 950

Features Photographs



Photo: STIL_C4_1166 Route: 950
Metal Culvert 60ft long 24in dia. 9ft deep
Asset# NA



Photo: STIL_C4_1167 Route: 950
Metal Culvert 60ft long 24in dia. 9ft deep
Asset# NA

ROUTE: 951

Features Photographs



Photo: STIL_C4_1311 Route: 951
Plastic WCS Flap Gate/Full-Round Riser
40ft long 24in dia. 3ft deep Asset# NA



Photo: STIL_C4_1312 Route: 951
Plastic WCS Flap Gate/Full-Round Riser
40ft long 24in dia. 3ft deep Asset# NA

Accident Summary

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

APPENDIX

TABLE 1 - GENERAL FWS ROAD FUNCTIONAL CLASSIFICATION	
Class I	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.
Class II	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.
Class III	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
Class IV	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.
Class V	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

NATIVE PRIMITIVE/IMPROVED RATING SHEET

Cross Section (Crown)*

Severity	Condition		Description
	No Defects	0	Crown 4-6" with no restriction of water flow from centerline to ditch.
	Minor Defects	1	Inadequate or inconsistent crown. Drainage to ditch may be restricted.
	Moderate Defects	2	Flat crown, drainage to ditch restricted.
	Major Defects	3	Reverse crown, bowl-shaped road, drainage on roadway

Rutting

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 6"	1	2	3
	Med 6-12"	4	5	6
	High > 12"	7	8	9

Roadside Drainage*

Severity	Condition		Description
	No Defects	0	Wide, deep ditches (>4') with no restriction to water flow.
	Minor Defects	1	Adequate ditches (>2' deep), minor obstructions restrict water flow.
	Moderate Defects	2	Shallow, narrow and obstructed ditches. Minor erosion of road.
	Major Defects	3	No ditch, drainage on roadway with moderate to severe erosion.

Potholes

Severity	Extent (Area)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 6"	1	2	3
	Med 6-12"	4	5	6
	High > 12"	7	8	9

Dust

Severity	Condition		Description
	No Defects	0	No obstruction to sight distance.
	Minor Defects	1	Sight distance > 550'
	Moderate Defects	2	Sight distance 225'-550'
	Major Defects	3	Sight distance < 225'

Corrugations

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 3"	1	2	3
	Med 3-6"	4	5	6
	High > 6"	7	8	9

* Crown and Drainage are not rated for roads that have no constructed crown or drainage. This applies to Native and Gravel roads.

GRAVEL RATING SHEET

Cross Section (Crown)

Severity	Condition		Description
	No Defects	0	Crown 4-6" with no restriction of water flow from centerline to ditch.
	Minor Defects	1	Inadequate or inconsistent crown. Drainage to ditch may be restricted.
	Moderate Defects	2	Flat crown, drainage to ditch restricted.
	Major Defects	3	Reverse crown, bowl-shaped road, drainage on roadway

Rutting

Severity	No Defects	Extent (Length)		
		Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

Roadside Drainage

Severity	Condition		Description
	No Defects	0	Wide, deep ditches (>4') with no restriction to water flow.
	Minor Defects	1	Adequate ditches (>2' deep), minor obstructions restrict water flow.
	Moderate Defects	2	Shallow, narrow and obstructed ditches. Minor erosion of road.
	Major Defects	3	No ditch, drainage on roadway with moderate to severe erosion.

Potholes

Severity	No Defects	Extent (Area)		
		Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

Dust

Severity	Condition		Description
	No Defects	0	No obstruction to sight distance.
	Minor Defects	1	Sight distance > 550'
	Moderate Defects	2	Sight distance 225'-550'
	Major Defects	3	Sight distance < 225'

Corrugations

Severity	No Defects	Extent (Length)		
		Low <10%	Med 10-30%	High >30%
	Low < 2"	1	2	3
	Med 2-4"	4	5	6
	High > 4"	7	8	9

* Crown and Drainage are not rated for roads that have no constructed crown or drainage. This applies to Native and Gravel roads.

Loose Aggregate

Severity	No Defects	Extent (Area)		
		Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

ASPHALT RATING SHEET

Fatigue Cracking

Severity	Extent			
	No Defects	Low 1 crack WP	Med 2 cracks WP	High >30% length
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Edge Cracking

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	0-6" from curb	1	2	3
	6-18" from curb	4	5	6
	> 18" from curb	7	8	9

Longitudinal Cracking

Severity	Extent			
	No Defects	Low 1 crack full length	Med 2 cracks full length	High >2 cracks full length
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Block Cracking

Severity	Extent (Length)			
	No Defects	Low > 15x15' squares	Med 15-10' squares	High <10x10' squares
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Transverse Cracking

Severity	Extent (ft between cracks)			
	No Defects	Low > 200'	Med 200-50'	High < 50'
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Utility Cuts

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Drainage/Roughness/Rutting

Severity	Condition		Description
	No Defects	0	Wide, deep ditches with no obstructions, smooth ride, no rutting, no potholes.
	Minor Defects	1	Drainage may be obstructed, < 1" rutting, minor roughness.
	Moderate Defects	2	Poor drainage, 1-2" rutting, noticeable roughness, potholes < 6" wide.
	Major Defects	3	No drainage; > 2" rutting; potholes 6-12" wide create roughness requiring reduced speeds.

CONCRETE RATING SHEET

Spalling of Joints

Extent (% joints)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low Spalls < 3"	1	2	3
	Med Spalls 3-6"	4	5	6
	High Spalls > 6"	7	8	9

Broken Slabs

Extent (% slabs)				
No Defects	Low <5%	Med 5-15%	High >15%	
Severity	Low-no more than 3 pieces, no spalling/faulting	1	2	3
	Med-broken into >3 pieces, spalling/faulting <1/4"	4	5	6
	High-4 or more pieces, spalling/faulting >1/4"	7	8	9

Transverse Cracks

Extent (% slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-Cracks < 1/8"; no spalling/faulting	1	2	3
	Med-Cracks 1/8-1/2"; spall <3", fault >1/4"	4	5	6
	High-Cracks > 1/2"; spall >3", fault >1/4"	7	8	9

Joint Seal Damage

Extent (%joints)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low <10% joint length	1	2	3
	Med 10-50% joint length	4	5	6
	High >50% joint length	7	8	9

Faulting

Extent (Length)				
No Defects	Low <10%	Med 10-30%	High >30%	
Severity	Low < 1/2"	1	2	3
	Med 1/2-1"	4	5	6
	High > 1"	7	8	9

Patch Deterioration

Extent (Area)				
No Defects	Low <10%	Med 10-30%	High >30%	
Severity	Low-no fault, no settle at perimeter	1	2	3
	Med-fault & settle <1/4" at perimeter	4	5	6
	High-fault & settle >1/4" at perimeter, cracked patch	7	8	9

Corner Breaks

Extent (% of slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-corner cracks, no spalling or faulting	1	2	3
	Med-crack slightly spalled & faulted <1/4"	4	5	6
	High-crack highly spalled & faulted >1/4"	7	8	9

Longitudinal Cracks

Extent (% slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-Cracks < 1/8"; no spalling/faulting	1	2	3
	Med-Cracks 1/8-1/2"; spall <3", fault >1/2"	4	5	6
	High-Cracks > 1/2"; spall >3", fault >1/2"	7	8	9

Map Cracks

Extent (Area)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-small connected cracks, no spalling	1	2	3
	Med-connected cracks, no spalling	4	5	6
	High-large connected cracks with surface spalling	7	8	9

Deficiency Ratings With Associated Remaining Service Life

Asphalt Rating Sheet

Fatigue Cracking		Edge Cracking		Transverse Cracking		Utility Cuts	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20	0	20
1	10	1	12	1	14	1	14
2	8	2	10	2	12	2	12
3	6	3	8	3	10	3	10
4	8	4	10	4	12	4	12
5	6	5	8	5	10	5	10
6	4	6	6	6	8	6	8
7	6	7	8	7	10	7	10
8	2	8	6	8	6	8	6
9	0	9	4	9	2	9	2

Longitudinal Cracking		Block Cracking		Drainage/Roughness/Rutting	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20
1	14	1	12	1	16
2	12	2	10	2	10
3	10	3	8	3	4
4	12	4	10		
5	10	5	8		
6	8	6	6		
7	10	7	12		
8	8	8	6		
9	6	9	2		

Concrete Rating Sheet

Spalling		Broken Slabs		Transverse Cracks	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20
1	15	1	15	1	18
2	12	2	12	2	15
3	10	3	10	3	12
4	12	4	12	4	15
5	10	5	10	5	10
6	8	6	8	6	6
7	10	7	10	7	10
8	6	8	6	8	4
9	0	9	0	9	0

Joint Seal Damage		Faulting		Patch Deterioration	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	18
1	16	1	15	1	16
2	14	2	12	2	14
3	12	3	10	3	12
4	14	4	12	4	12
5	10	5	8	5	10
6	8	6	6	6	8
7	12	7	10	7	10
8	8	8	4	8	6
9	6	9	0	9	0

Corner Breaks		Longitudinal Cracks		Map Cracks	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	18	0	20	0	20
1	16	1	18	1	18
2	14	2	15	2	15
3	12	3	12	3	12
4	12	4	15	4	12
5	10	5	10	5	10
6	8	6	6	6	6
7	10	7	10	7	10
8	6	8	4	8	4
9	0	9	0	9	0

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE IN YEARS (Asphalt & Concrete Roads)

RSL	FAILED 0	POOR 1 - 6	FAIR 7 - 12	GOOD 13 - 18	EXCELLENT 19 - 20
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Deficiency Ratings With Associated Remaining Service Life

Native Primitive Improved Rating Sheet

Cross Section		Rutting		Roadside Drainage	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	7	1	9	1	8
2	5	2	7	2	4
3	0	3	5	3	0
		4	7		
		5	4		
		6	3		
		7	4		
		8	2		
		9	0		

Potholes		Dust		Corrugations	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	9	1	8	1	9
2	7	2	6	2	7
3	5	3	2	3	7
4	7			4	6
5	4			5	5
6	3			6	5
7	4			7	4
8	2			8	3
9	0			9	0

Gravel Rating Sheet

Cross Section		Rutting		Roadside Drainage	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	7	1	9	1	8
2	5	2	7	2	4
3	0	3	5	3	0
		4	7		
		5	4		
		6	3		
		7	4		
		8	2		
		9	0		

Potholes		Dust		Corrugations	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	9	1	8	1	9
2	7	2	6	2	7
3	5	3	2	3	7
4	7			4	6
5	4			5	5
6	3			6	5
7	4			7	4
8	2			8	3
9	0			9	0

Loose Aggregate	
Distress Rating	Remaining Service Life
0	10
1	9
2	8
3	7
4	8
5	7
6	6
7	5
8	3
9	0

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE IN YEARS (Gravel & Native Roads)

RSL	FAILED	POOR	FAIR	GOOD	EXCELLENT
	0	1 - 2	3 - 4	5 - 7	8 - 10