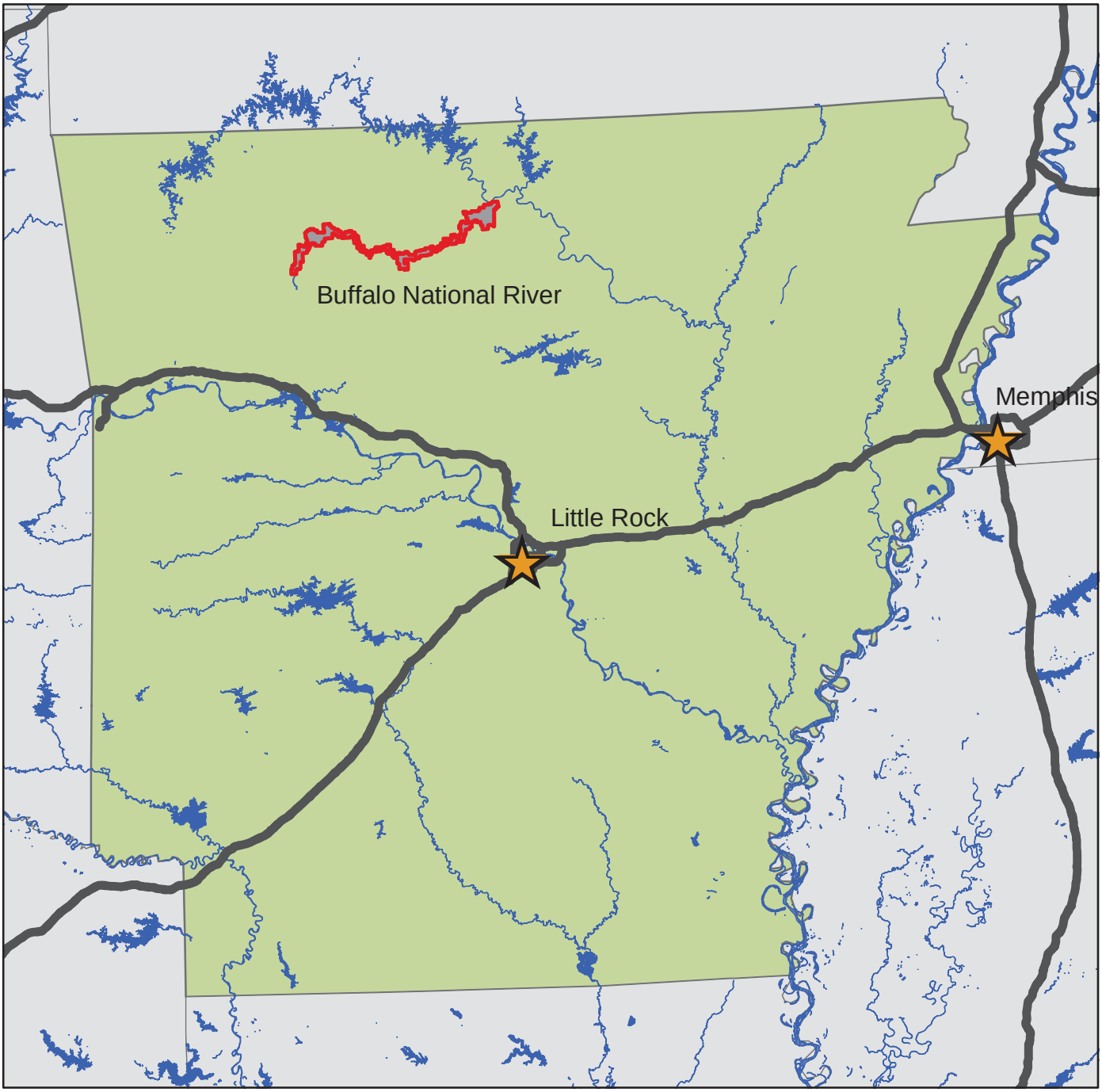
The Road Inventory
of
Buffalo National River
BUFF – 7150

national park service

Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Cycle 3

Buffalo National River
in
Arkansas



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INTRODUCTION

Background: In July 1976, the National Park Service (NPS) and the Federal Highway Administration (FHWA) entered into a Memorandum of Agreement (MOA), establishing the Road Inventory Program (RIP). In 1980, the NPS and the FHWA terminated the 1976 MOA and entered into a new MOA that provided for the completion of the initial phase of the RIP. The purpose of the RIP, per the 1980 MOA, was to maintain and update RIP data in order to develop long-range and short-range costs and programs to bring National Park Service (NPS) roads up to, or to maintain, designated standards, and to establish a maintenance management program.

The FHWA's Federal Lands Highway (FLH) was assigned the task of identifying condition deficiencies and corrective priorities along with associated corrective costs, inventorying maintenance features (e.g., culverts, signs, guardrail, etc.), summarizing the data and findings in a report, and providing a photographic record of the road system.

The FLH completed the initial phase of the RIP in the early 1980's. As a result of this effort, each park received a RIP book, also known as the "Brown Book," that included the information collected during this initial RIP phase.

In an effort to maintain and update the RIP data, a cyclical data collection and reporting process was re-established in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 data was collected in 44 large parks from 1994 to 1995. This data was found to be unusable for comparison to future cycles. Cycle 2 data was collected from March 1997 to January 2001 in 79 large parks and 5 small parks containing 4,874 route miles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book."

Since 1984, the RIP Program has been funded through the Federal Lands Highway Program's Park Roads and Parkways (PRP) Program. Currently, the NPS Washington Headquarters' Park Facility Management Division is responsible for coordinating the RIP program with the FLH. The FLH Washington office coordinates policy and prepares national reports and needs assessment studies for Congress.

In 1998, the Transportation Equity Act for the 21st Century (TEA-21) amended Title 23 U.S.C., and inserted Section 204(a)(6) which requires the Federal Highway Administration and the National Park Service, to develop, by rule, a Pavement Management System (PMS) for the park roads and parkways serving the National Park System. As a result of the requirements in TEA-21, the NPS and the FHWA are in the process of developing a PMS. The PMS will assist the decision-makers in effectively spending limited PRP Program funds. The PMS will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

Key information included in the RIP is the mileage inventory and condition assessments accomplished by the RIP Program. The mileage and condition data are used in the current allocation formula of PRP Program funds.

RIP Cycle 3: A third RIP cycle was initiated in 2001. Data was collected from March 2001 to July 2004, and is included in the Cycle 3 Reports. Cycle 3 includes 254 large and small parks with a combined total of 5,455 route miles.

In the Cycle 3 Reports, a general condition rating of excellent, good, fair and poor is ascribed to each one-mile section of paved roadway, and to each paved parking area. This condition rating system provides a realistic means of assessing the general funding needs for road improvements. Along with these descriptive condition ratings, a numerical rating between 0 and 100 is ascribed to each mile of road and to each parking area.. This numerical rating is called a Pavement Condition Rating (PCR). The PCR rating system is described in Section 10 of this report.

All of the fieldwork required for obtaining inventory, condition, and maintenance feature information is coordinated with each park and the regional offices to ensure that the information in the RIP reports is accurate.

The FLH is responsible for all of the data presented in this report. Anyone having questions or comments regarding the contents of this report is encouraged to contact the FHWA RIP Coordinator. It is our aim to provide exceptional customer satisfaction in our delivery of the RIP program.

FHWA RIP Coordinator:

James A. Amenta
FHWA/EFLHD
Technical Services, HTS-15
21400 Ridgetop Circle
Sterling, VA 20166
(703) 404-6366

Buffalo National River Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	9.97	9/14/2003
Unpaved Estimated Route Miles	25.00	9/14/2003
Paved ARAN and Unpaved Route Miles	34.97	
Paved ARAN Driven Lane Miles	17.38	9/14/2003
Paved MRR Lane Miles	0.00	
Parking Lot Lane Miles	7.08	9/14/2003
Total Paved Lane Miles	24.46	

Notes: Total Paved Lane Miles includes the sum of Paved ARAN Driven Lane Miles, Paved MRR Lane Miles, and Parking Lot Lane Miles

Unpaved Route Miles are estimates, they have not been inventoried by the Roadway Inventory Program (RIP)

Buffalo National River Summaries

Cost to Improve to "Excellent" Condition

SOURCE	WORK PERFORMED	COST PER MILE	INITIAL CONDITION
FHWA Awarded Projects	Surface Maintenance	$30,000	Excellent
FHWA Awarded Projects	3-R (Resurfacing)	$110,000	Good
FHWA Awarded Projects	3-R (Resurfacing, Restoration, and Rehabilitation) Projects	$560,000	Fair
FHWA Awarded Projects	4-R (Resurfacing, Restoration, Rehabilitation, and Reconstruction) Projects	$1,540,000	Poor

Based on the above table, the cost to improve ARAN driven paved road condition miles to "Excellent" PCR are:

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	1.21	$36,300
Good	1.88	$206,800
Fair	4.02	$2,251,200
Poor	2.86	$4,404,400
Totals	**9.97**	**$6,898,700**

The above numbers include the 35% PE, CE and contingency costs and are national averages. The cost estimates were used in the calculations for the 2004 Reauthorization Bill to determine the level of funding required to bring all the NPS roads into a Pavement Condition Rating (PCR) of Good (85).

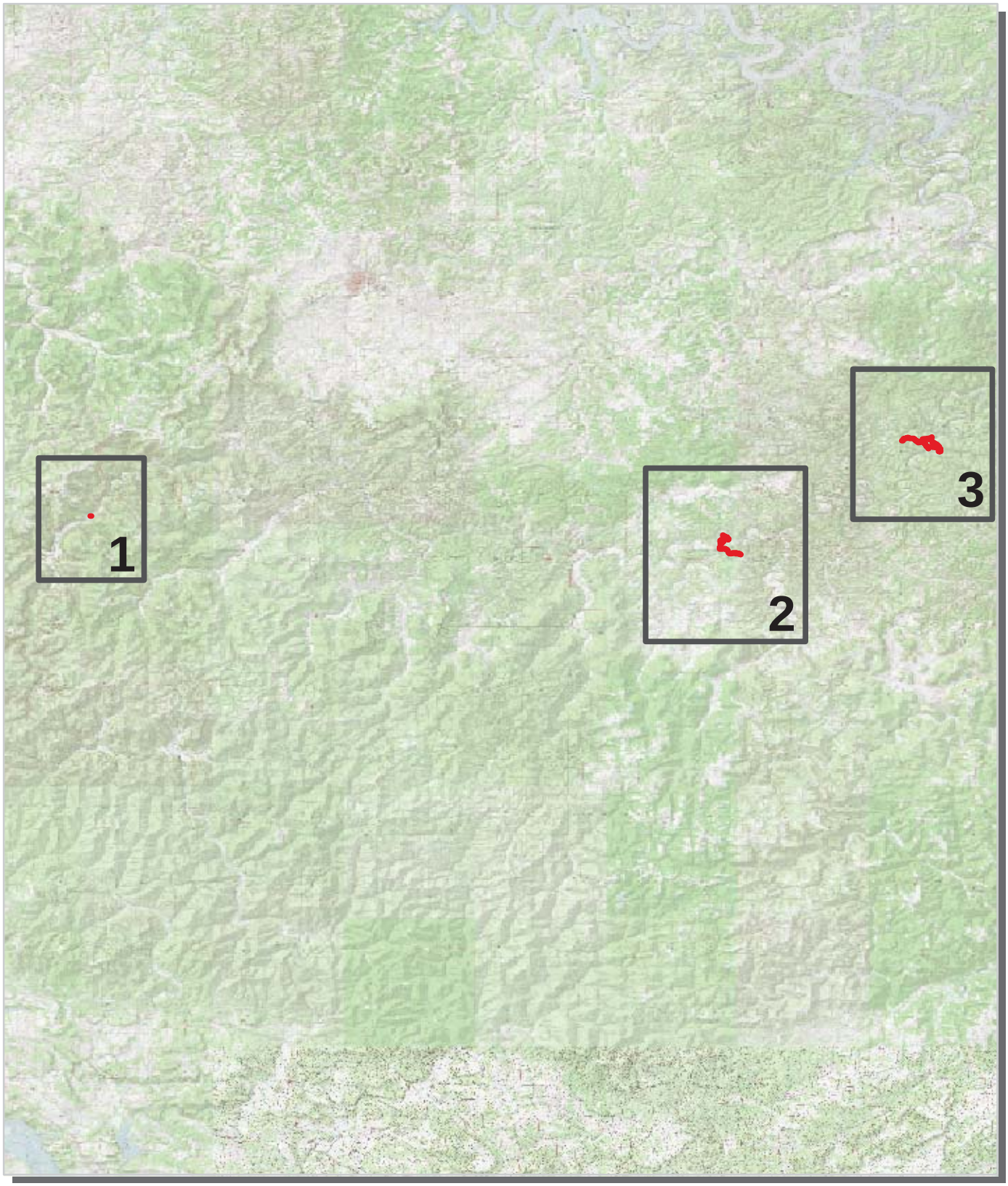
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Buffalo National River Summaries

Paved Route Miles and Percentages by Functional Class and PCR for ARAN Driven Paved Roads

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	0.16	1.60%	2.21	22.17%	1.30	13.04%	1.00	10.03%	4.67
2	1.35	13.54%	1.16	11.63%	0.34	3.41%	0.10	1.00%	2.95
3	1.26	12.64%	0.55	5.52%	0.20	2.01%	0.07	0.70%	2.08
4									
5	0.09	0.90%	0.10	1.00%	0.04	0.40%	0.04	0.40%	0.27
6									
7									
8									
Totals	**2.86**	**28.69%**	**4.02**	**40.32%**	**1.88**	**18.86%**	**1.21**	**12.14%**	**9.97**

Buffalo National River
Route Location
Key Map



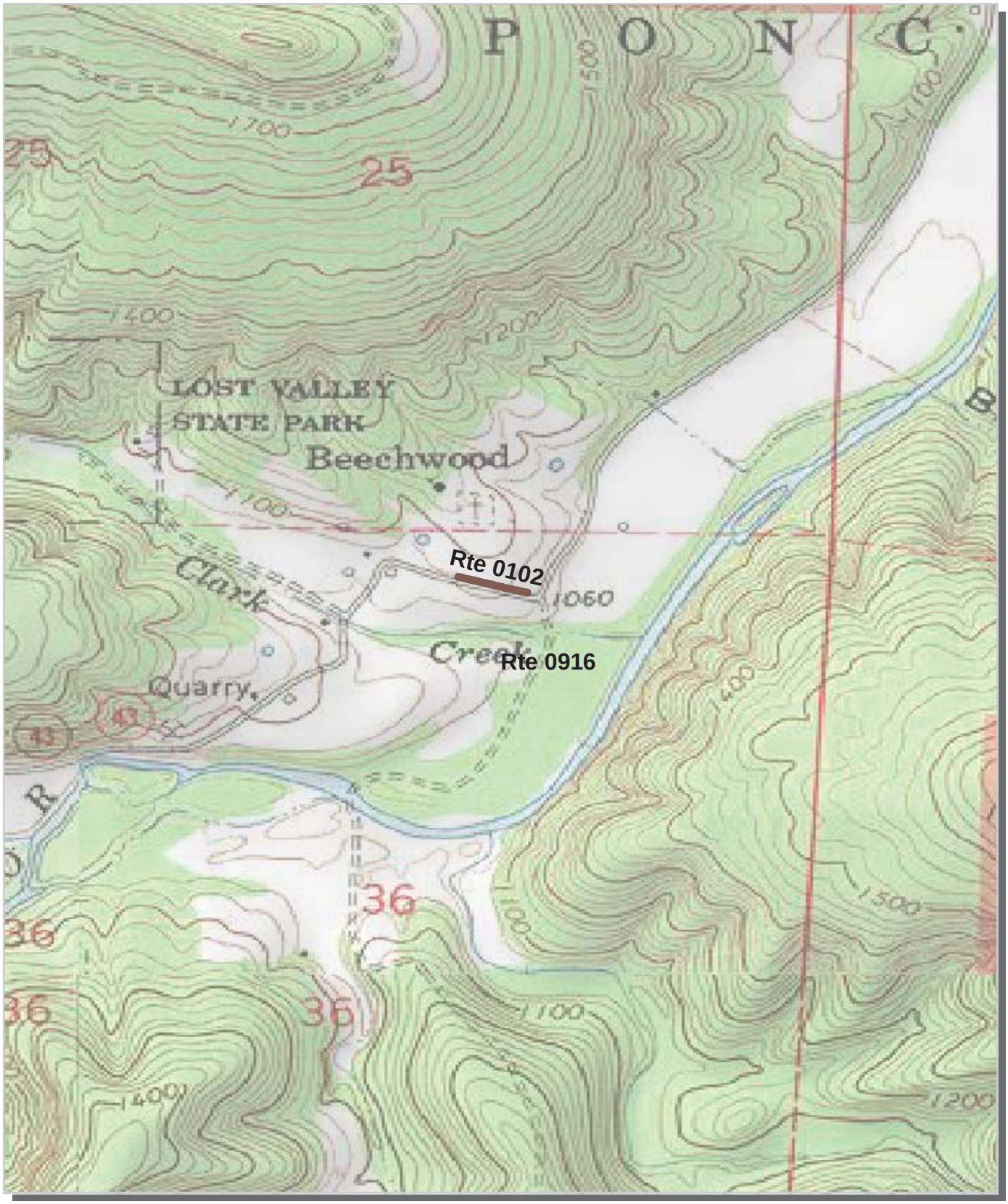
Park Owned Routes

10 5 0 10 Miles

N

3-1

Buffalo National River
Route Location
Area Map 1

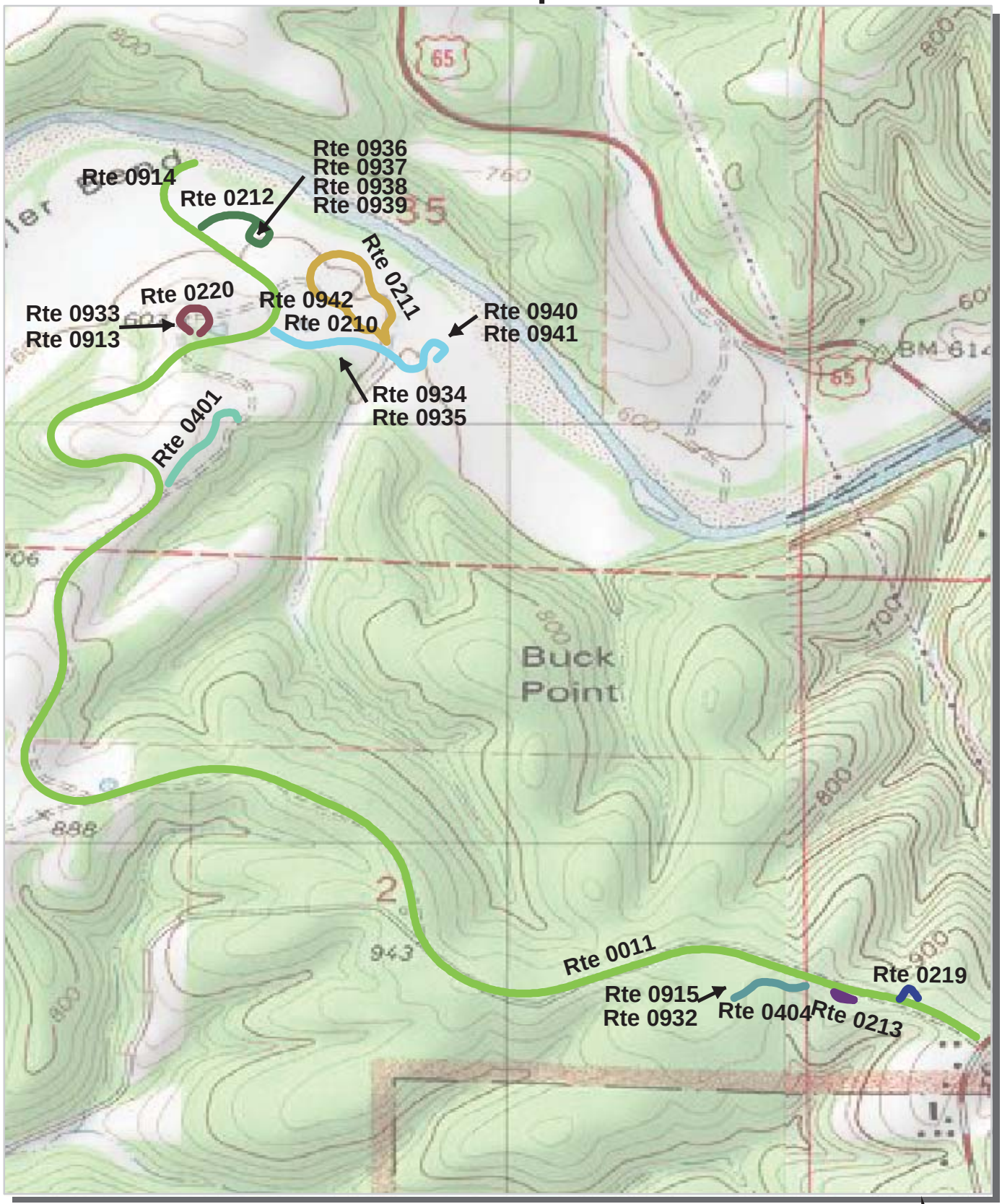


Unique colors used to differentiate routes

0.25 0.125 0 0.25
Miles

N

Buffalo National River
Route Location
Area Map 2

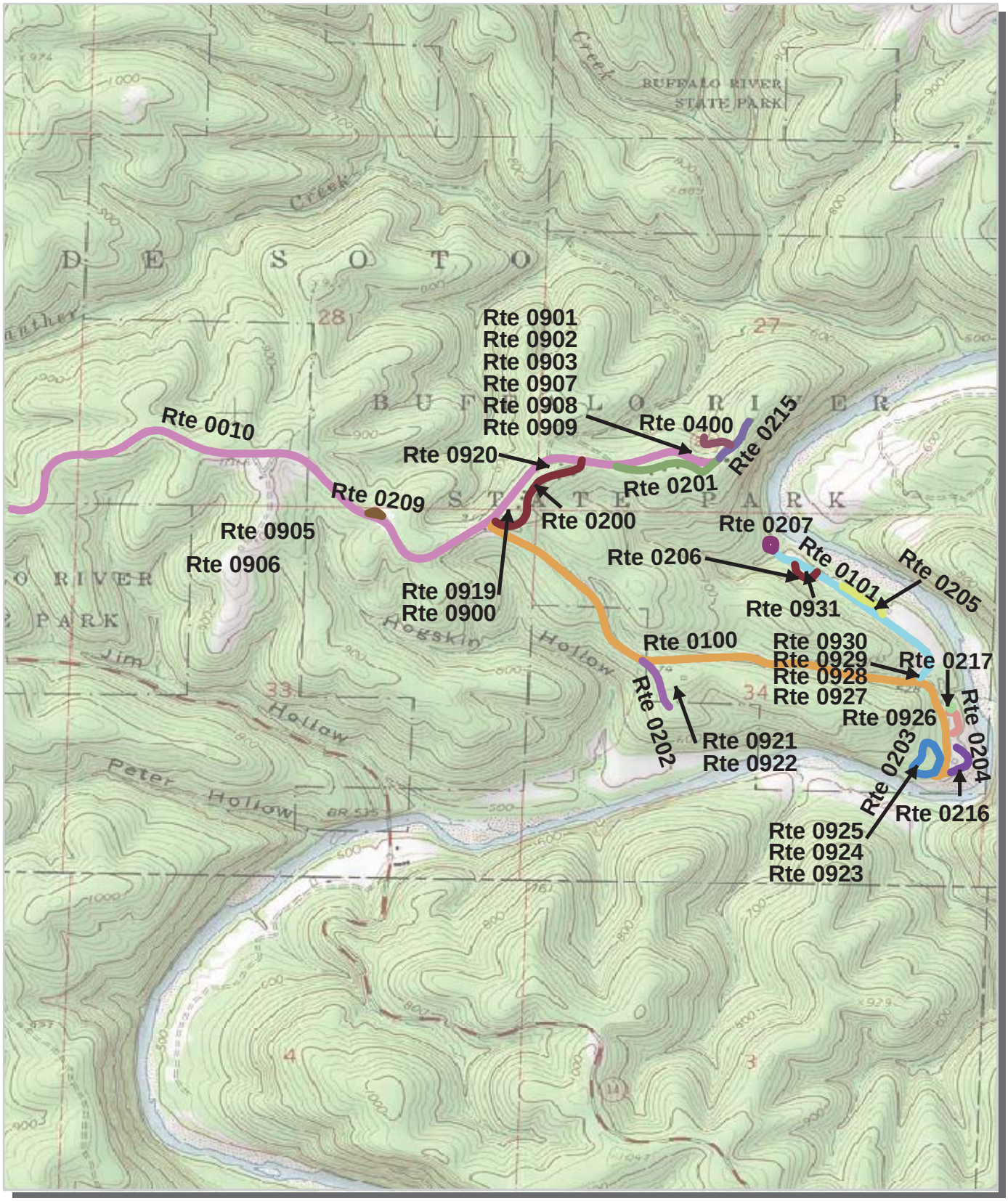


Unique colors used to differentiate routes

0.25 0.125 0 0.25 Miles

N

Buffalo National River
Route Location
Area Map 3

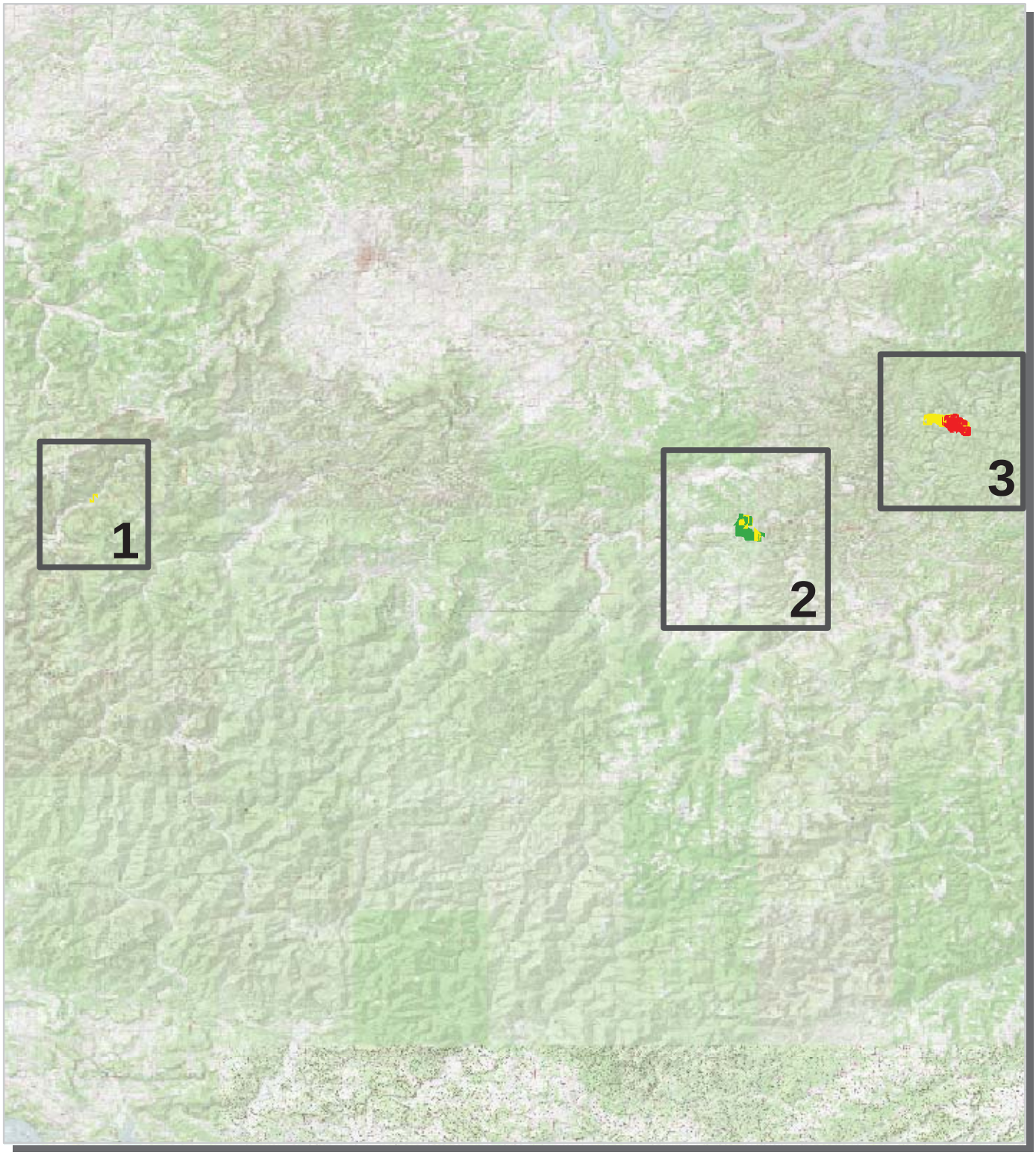


Unique colors used to differentiate routes

0.5 0.25 0 0.5 Miles

N

Buffalo National River
Route Condition Key Map
PCR - Mile by Mile



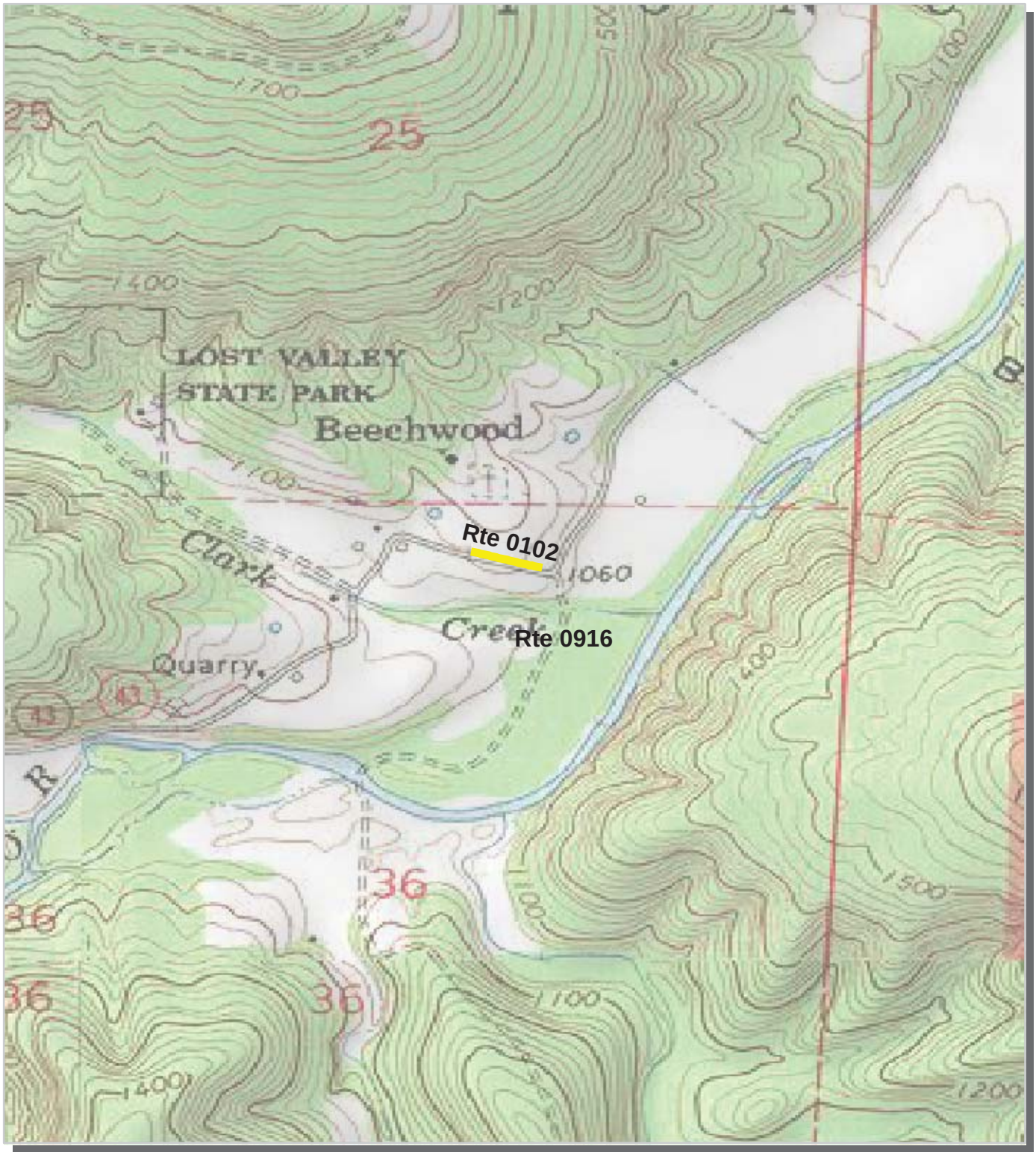
PCR
Poor (<=60)
Fair (61 - 84)
Good (85 - 94)
Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

10 5 0 10 Miles

N

Buffalo National River
Route Condition Area Map 1
PCR - Mile by Mile



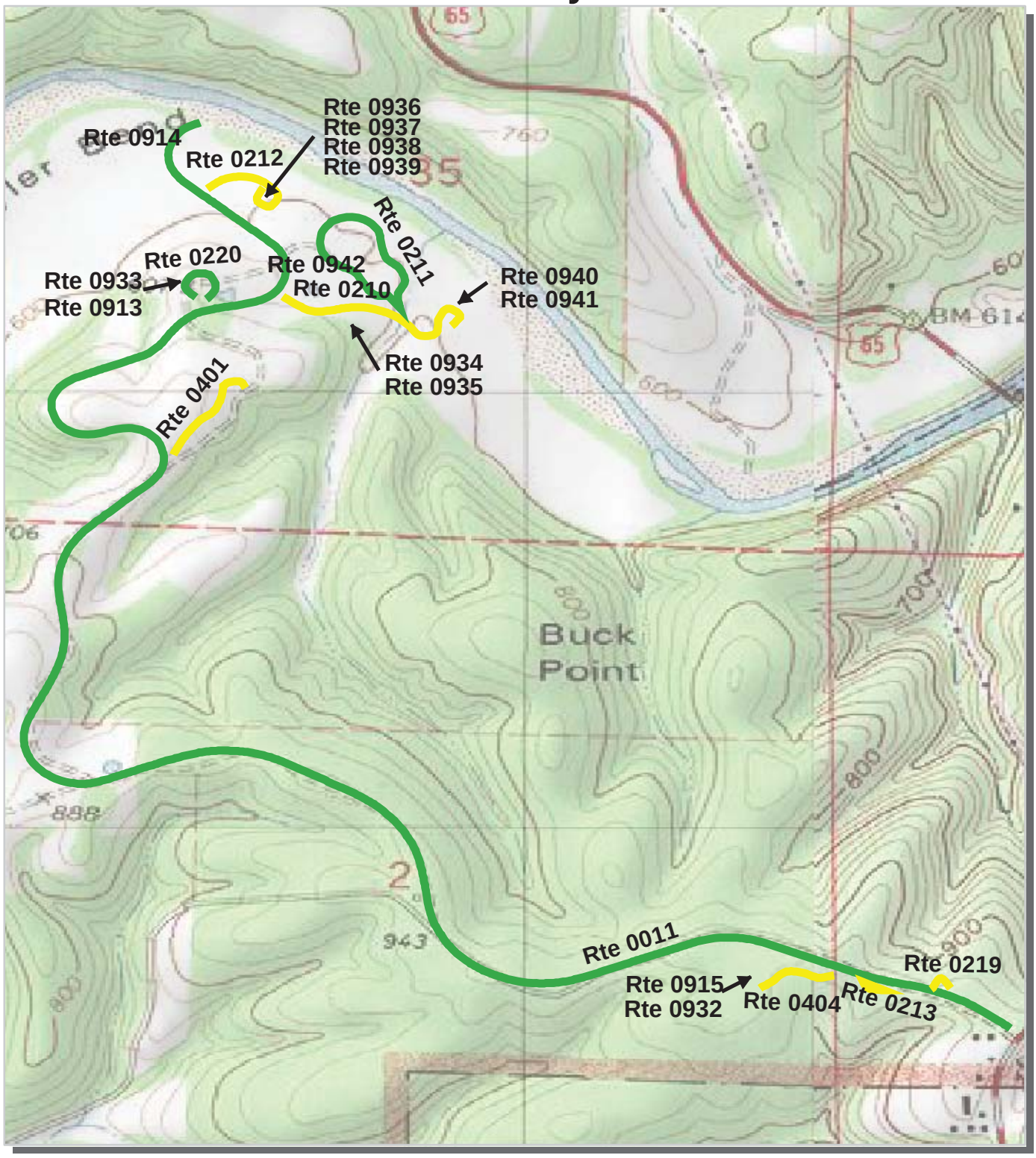
PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

0.25 0.125 0 0.25 Miles

N

Buffalo National River
Route Condition Area Map 2
PCR - Mile by Mile



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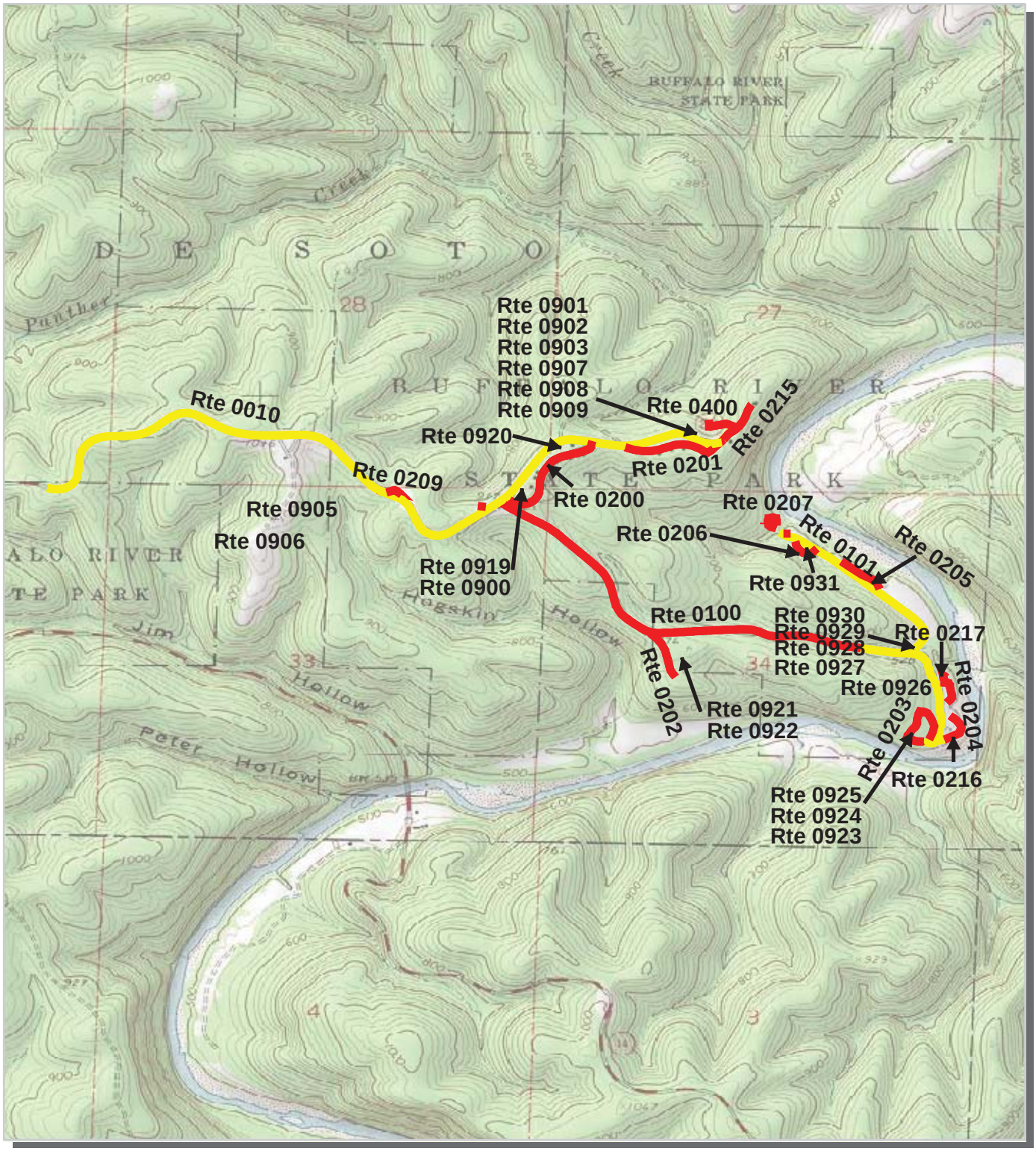
0.25 0.125 0 0.25 Miles

N

Buffalo National River
Route Condition Area Map 3
PCR - Mile by Mile



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0.5 0.25 0 0.5 Miles

N

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
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Buffalo National River

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0010		Buffalo Point Road	From County Road 268	To Route 0902	1.96	0.00	1.96	1	2	0	AS
0011		Tyler Bend Road	From South Boundary (US 65)	To Tyler Bend Boat Launch	2.71	0.00	2.71	1	2	0	AS
0100		Buffalo Point River Access Road	From Route 0010	To Ends at Loop A of Campground	1.43	0.00	1.43	2	2	0	OC
0101		Buffalo Point Campground Road	From Route 0100	To E Loop of Campground	0.52	0.00	0.52	2	2	0	OC
0102		Lost Valley Road	From State Highway 43	To End of Pavement	0.10	0.00	0.10	2	2	0	AS
0200		Rustic Cabin Loop	From Route 0010	To Route 0010	0.31	0.00	0.31	3	1	0	OC
0201		Modern Cabin Loop	From Route 0010 (East, Loop Entrance)	To Route 0010 (West, Loop Exit)	0.24	0.00	0.24	2	1	0	OC
0202		Mid Level Group Campground Rd	From Route 0100	To Route 0902	0.15	0.00	0.15	3	2	0	AS
0203		Buffalo Point Campground Loop A	From Route 0100	To End of Loop	0.24	0.00	0.24	3	1	0	AS
0204		Buffalo Point Campground Loop B	From Route 0100	To Route 0100	0.10	0.00	0.10	3	1	0	OC
0205		Buffalo Point Campground Loop C	From Route 0101	To Route 0101	0.14	0.00	0.14	3	1	0	OC
0206		Buffalo Point Campground Loop D	From Route 0101	To Route 0101	0.09	0.00	0.09	3	1	0	AS
0207		Buffalo Point Campground Loop E	From Route 0101	To End of Loop	0.09	0.00	0.09	3	1	0	OC
0209		Buffalo Point RV Dump Station	From Route 0010	To Route 0010	0.05	0.00	0.05	3	1	0	AS
0210		Tyler Bend Campground Loop A	From Route 0011	To End of Loop	0.30	0.00	0.30	2	2	0	AS
0211		Tyler Bend Campground Loop B	From Route 0210	To End of Loop	0.36	0.00	0.36	2	2	0	AS
0212		Tyler Bend Groupsite Loop	From Route 0011	To End of Loop	0.18	0.00	0.18	3	2	0	AS
0213		Tyler Bend RV Dump Station	From Route 0011	To Route 0011	0.06	0.00	0.06	3	1	0	AS
0215		Cabin 13 and 14 Access Road	From Route 0010	To End	0.13	0.00	0.13	3	1	0	OC
0216		Buffalo Point Boat Launch	From Route 0100	To Route 0925	0.11	0.00	0.11	3	2	0	OC
0217		Buffalo Point Campground Loop B Loop	From Route 0204	To Route 0204	0.05	0.00	0.05	3	2	0	OC
0218		Buffalo Point Campground Sites 63-65 Access	From Route 0101	To Route 0101	0.03	0.00	0.03	3	2	0	AS
0219		Tyler Bend Information Loop	From Route 0011	To Route 0011	0.05	0.00	0.05	3	2	0	AS
0220		Tyler Bend Visitor Center Loop	From Route 0011	To End of Loop	0.12	0.00	0.12	3	2	0	AS
0400		Upper Wastewater Road	From Route 0215	To End	0.09	0.00	0.09	5	2	0	AS
0401		Tyler Bend Wastewater Treatment Plant Road	From Route 0011	To End of Loop	0.18	0.00	0.18	5	2	0	AS
0402		Buffalo Point Campground Sewage Disposal Road	From Route 0207	To End	0.02	0.00	0.02	3	1	0	AS

NPS/RIP Route ID Report

(Numerical By Route #)

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BUFF

Buffalo National River

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0403		Buffalo Point Interpretive Storage Road	From Route 0010	To End	0.04	0.00	0.04	3	1	0	OC
0404		Tyler Bend Maintenance Road	From Route 0011	To Route 0915	0.12	0.00	0.12	3	2	0	AS
0700	70560	LD DF Dillards Ferry Area Roads	From	To	0.00	4.10	4.10	ZZ		0	GR
0701	70665	LD BP Buffalo Point Area Unpaved Spur Roads	From	To	0.00	1.10	1.10	ZZ		0	GR
0702	71097	UD PW Compton Trailhead Road	From	To	0.00	0.10	0.10	ZZ		0	GR
0703	71140	UD PR North River Road CR 80	From	To	0.00	15.50	15.50	ZZ		0	GR
0704	71164	UD HA Hasty Area Road	From	To	0.00	1.70	1.70	ZZ		0	GR
0705	71171	UD CA Carver Hayfield Road	From	To	0.00	2.50	2.50	ZZ		0	GR
0900		Buffalo Point Ranger Station Parking	From Route 0010 on Right	To Parking	0.00	0.00	0.00	9		1,930	AS
0901		Trailhead Parking	From Route 0010 on Right	To Parking	0.00	0.00	0.00	9		3,464	AS
0902		Buffalo Point Restaurant Parking	From End of Route 0010 on Right	To Route 0215	0.00	0.00	0.00	9		7,055	AS
0903		Cabin 13 and 14 Parking	From End of Route 0215 on Right		0.00	0.00	0.00	9		1,503	OC
0904		Concession Office Parking	From Route 0200	To Route 0919	0.00	0.00	0.00	9		0	OT
0905		Fire Cache Parking	From Non NPS Unpaved Route on right near beginning of Route 0010	To Parking	0.00	0.00	0.00	9		12,372	AS
0906		Buffalo Point Maintenance Parking	From Non NPS Unpaved Route off of Route 0010, at end.	To Parking	0.00	0.00	0.00	9		34,851	AS
0907		Modern Cabins Parking A	From Route 0201	To Parking	0.00	0.00	0.00	9		2,975	OC
0908		Modern Cabins Parking B	From Route 0201	To Parking	0.00	0.00	0.00	9		1,592	OC
0909		Modern Cabins Parking C	From Route 0201	To Parking	0.00	0.00	0.00	9		1,158	OC
0913		Tyler Bend Visitor Center Parking	From Route 0220	To Parking	0.00	0.00	0.00	9		14,414	AS
0914		Tyler Bend Pavilion/ Picnic Parking	At End of Route 0011	To Parking	0.00	0.00	0.00	9		59,274	AS
0915		Tyler Bend Maintenance Parking	From Route 0011	To Parking	0.00	0.00	0.00	9		81,804	AS
0916		Boxley Valley Overlook Parking	From State Highway 21 / 43	To Parking	0.00	0.00	0.00	9		8,043	AS
0917		Pruitt Maintenance Parking	From Non NPS Gravel Road	To Parking	0.00	0.00	0.00	9		30,660	AS
0918		Pruitt Fire Cache Parking	From Non NPS Gravel Road	To Parking	0.00	0.00	0.00	9		14,361	AS
0919		Cabin Office / Rustic Cabins 4 and 5 Parking Area	From Route 0200	To Parking	0.00	0.00	0.00	9		7,457	OC
0920		Rustic Cabins 1, 2 and 3 Parking Area	From Route 0200	To Parking	0.00	0.00	0.00	9		1,763	OC

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(Numerical By Route #)

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BUFF

Buffalo National River

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0921		Group 1, 2, 5 and Pavilion Parking Area	From Route 0202	To Parking	0.00	0.00	0.00	9		22,009	OC
0922		Group 3 and 4 Parking Area	From Route 0202	To Parking	0.00	0.00	0.00	9		5,319	OC
0923		Buffalo Point Campground Loop A Bathroom Parking	From Route 0203	To Parking	0.00	0.00	0.00	9		509	OC
0924		Buffalo Point Boat Launch Bathroom Parking	From Route 0100	To Parking	0.00	0.00	0.00	9		2,286	OC
0925		Buffalo Point Boat Launch Parking	From Route 0100	To Parking	0.00	0.00	0.00	9		23,430	OC
0926		Buffalo Point Campground Loop B Bathroom Parking	From Route 0204	To Parking	0.00	0.00	0.00	9		1,516	OC
0927		Buffalo Point Pavilion 2 Parking	From Route 0101	To Parking	0.00	0.00	0.00	9		8,884	OC
0928		Buffalo Point Information Parking	From Route 0101	To Parking	0.00	0.00	0.00	9		1,885	OC
0929		Buffalo Point Tent Camping Parking	From Route 0101	To Parking	0.00	0.00	0.00	9		13,267	OC
0930		Buffalo Point Pavilion 3 Parking	From Route 0101	To Parking	0.00	0.00	0.00	9		11,778	OC
0931		Buffalo Point Loop D Bathroom and Feestation Parking	From Route 0101	To Parking	0.00	0.00	0.00	9		1,016	OC
0932		Tyler Bend Maintenance Dumpster Parking	From Route 0404	To Parking	0.00	0.00	0.00	9		6,019	AS
0933		Tyler Bend Administrative Parking	From Route 0220	To Parking	0.00	0.00	0.00	9		2,924	AS
0934		Tyler Bend Upper Amphitheather Parking	From Route 0210	To Parking	0.00	0.00	0.00	9		5,282	AS
0935		Tyler Bend Lower Amphitheather Parking	From Route 0210	To Parking	0.00	0.00	0.00	9		6,775	AS
0936		Tyler Bend Group Campsite Parking A	From Route 0212	To Parking	0.00	0.00	0.00	9		4,100	AS
0937		Tyler Bend Group Campsite Parking B	From Route 0212	To Parking	0.00	0.00	0.00	9		2,380	AS
0938		Tyler Bend Group Campsite Parking C	From Route 0212	To Parking	0.00	0.00	0.00	9		1,880	AS
0939		Tyler Bend Group Campsite Parking D	From Route 0212	To Parking	0.00	0.00	0.00	9		1,078	AS
0940		Tyler Bend Walkin Campsite Parking A	From Route 0210	To Parking	0.00	0.00	0.00	9		1,086	AS
0941		Tyler Bend Walkin Campsite Parking B	From Route 0210	To Parking	0.00	0.00	0.00	9		1,144	AS
0942		Tyler Bend Campground Loop B Bathroom Parking	From Route 0211	To Parking	0.00	0.00	0.00	9		1,967	AS
				Totals:	9.97	25.00	**34.97**			411,209	

NPS/RIP Route ID Report

(Numerical By Route #)

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General Park Road Functional Classification Table

Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Invetoried for Park. Route Numbers 5000-5999

Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.

Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.

Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.

Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.

Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.

Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.

Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

Class 9 Boat Ramp - (Public and Administrative) Route Numbers 800-899.
Parking Area - (Public and Administrative) Route Numbers 900-1999.

****

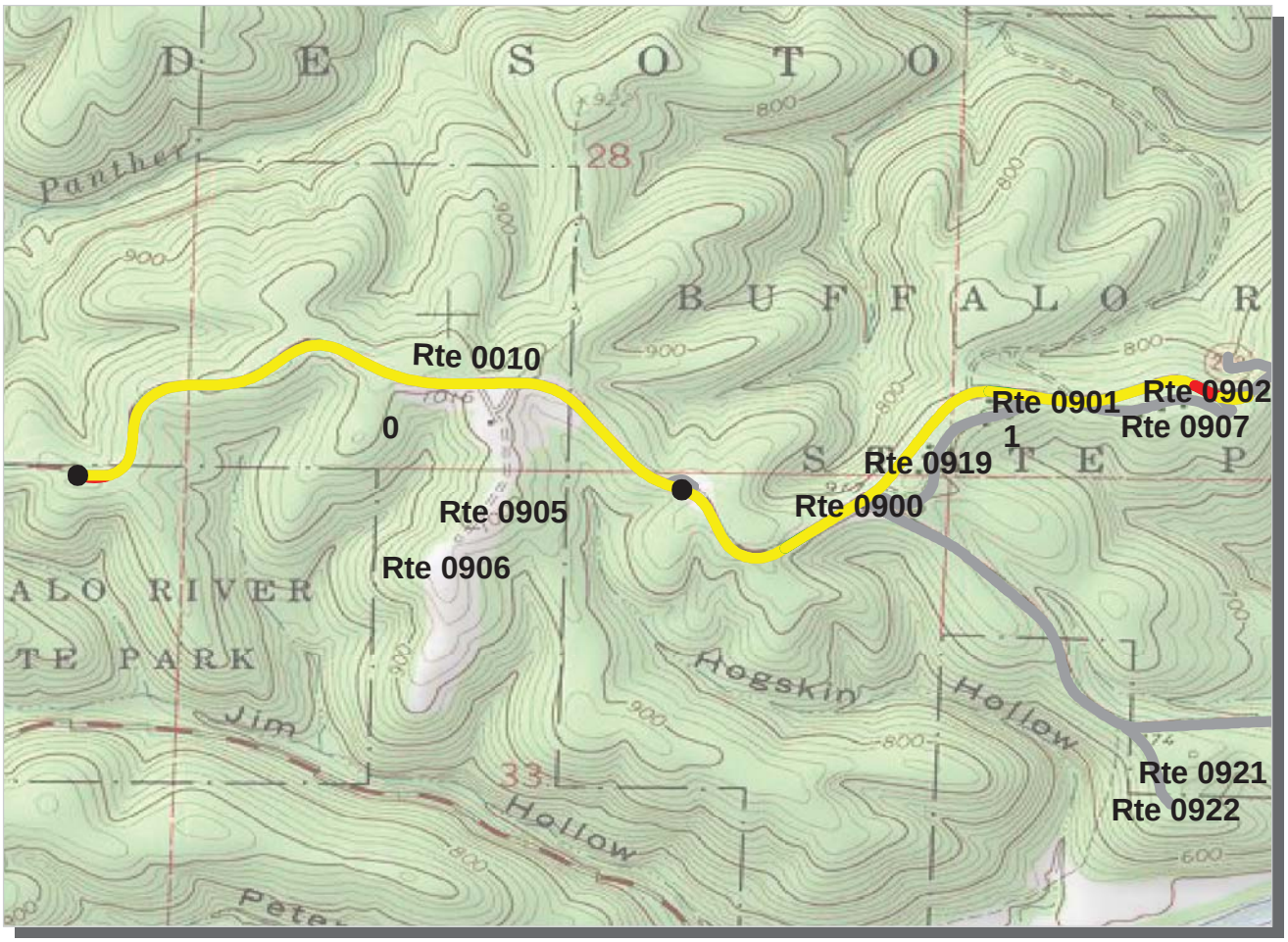
A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed,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

The historic route numbering system also included a 300 number series for interpretive roads, and a 500 series for one-way roads. There are approximately 250 roads nationwide which are designated by the 300 and 500 series. The numbers for these roads will be maintained for reporting consistency. However, since these interpretive and one-way routes are not as clearly tied to a specific functional class, the 300 and 500 series will be discontinuted for future use.

ZZ Functional Class Routes were added from FMSS Database. Final Route Number and Functional Class will be established during Park visit for Cycle 4 data collection.

Surface Type Abbreviations:

AS - Asphaltic Concrete Pavement
CO - Portland Cement Concrete Pavement
NC - New Chip Seal Pavement (Under 5 Years)
OC - Old Chip Seal Pavement (5 Years and Greater)
SS - Slurry Seal Pavement
GR - Gravel Road Bed
BR - Brick or Pavers Road Bed
CB - Cobble Stone Road Bed
SA - Sand Road Bed
DT - Dirt or Native Material Road Bed
OT - Other Materials Road Bed



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

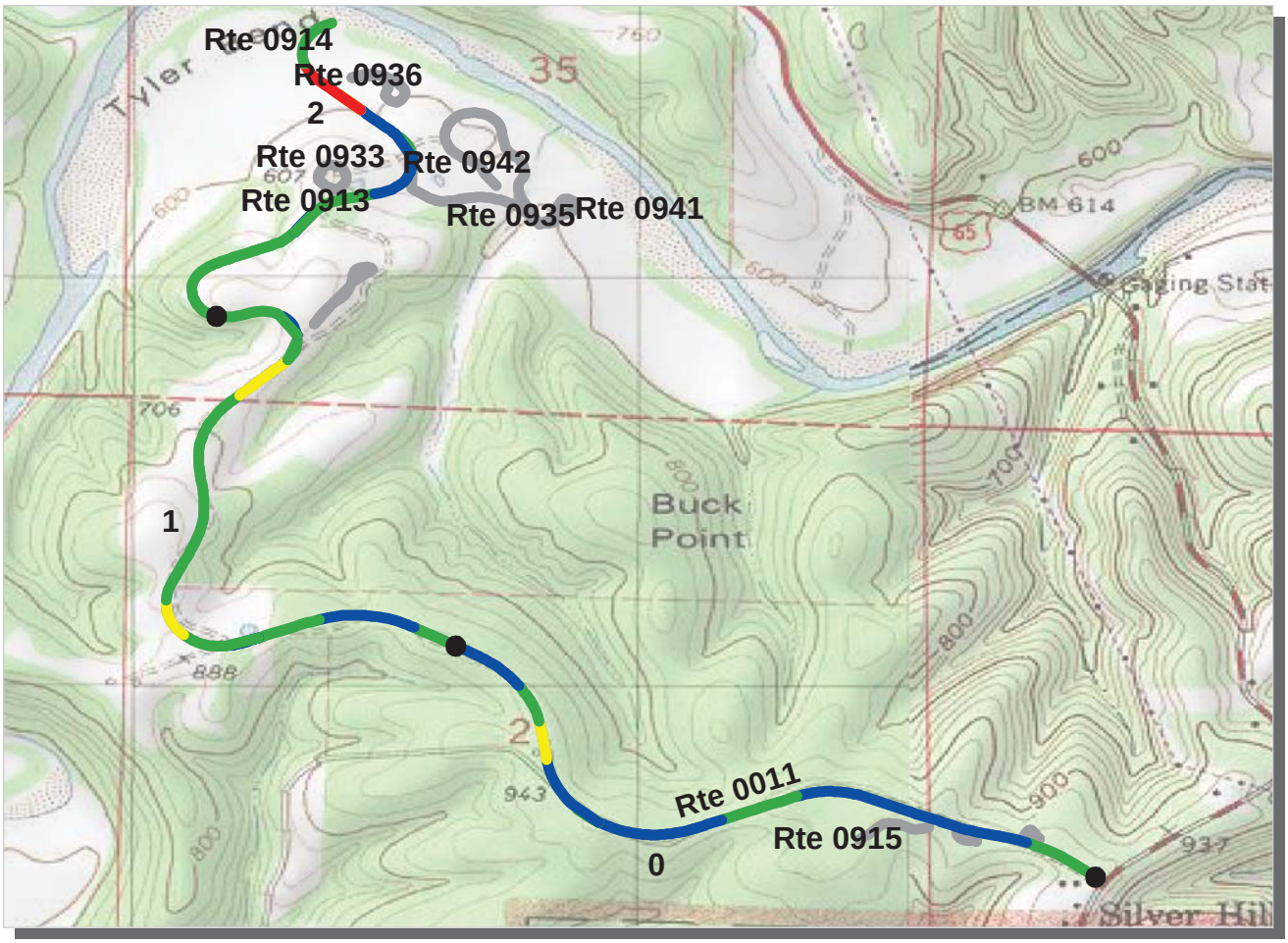
Midwest Region
BUFF : Buffalo National River

ROUTE: 0010 Buffalo Point Road **TOTAL LENGTH: 1.96 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.96			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	20	21			
Lane Width (ft)	11	11			
Shoulder Width (ft)	4	4			
Roadway Condition Information					
PCR (Pavement Condition Rating)	73	71			
RCI (Roughness Condition Index)	94	86			
SCR (Surface Condition Rating)	59	62			
Alligator Cracking Index	99	99			
Rutting Index	65	66			
Patching Index	99	99			
Tranverse Cracking Index	98	98			
Longitudinal Cracking Index	96	98			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

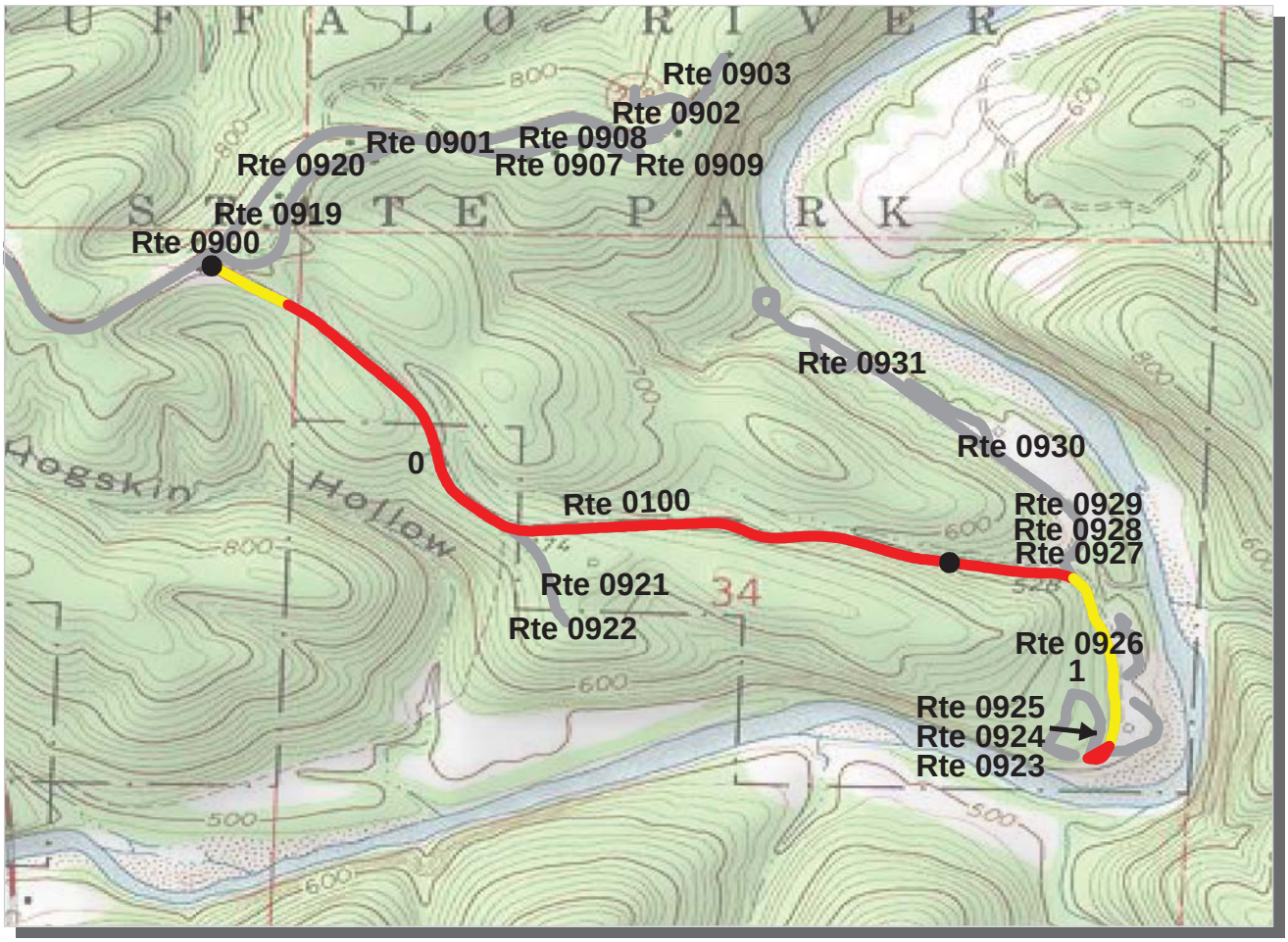
Midwest Region
BUFF : Buffalo National River

ROUTE: 0011 Tyler Bend Road **TOTAL LENGTH: 2.71 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.71		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	21	21	19		
Lane Width (ft)	11	10	9		
Shoulder Width (ft)	0	5	4		
Roadway Condition Information					
PCR (Pavement Condition Rating)	92	88	85		
RCI (Roughness Condition Index)	93	94	90		
SCR (Surface Condition Rating)	91	84	81		
Alligator Cracking Index	99	99	98		
Rutting Index	93	85	85		
Patching Index	99	100	99		
Tranverse Cracking Index	99	99	98		
Longitudinal Cracking Index	99	99	99		
Shoulder Condition Rating	N/A	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

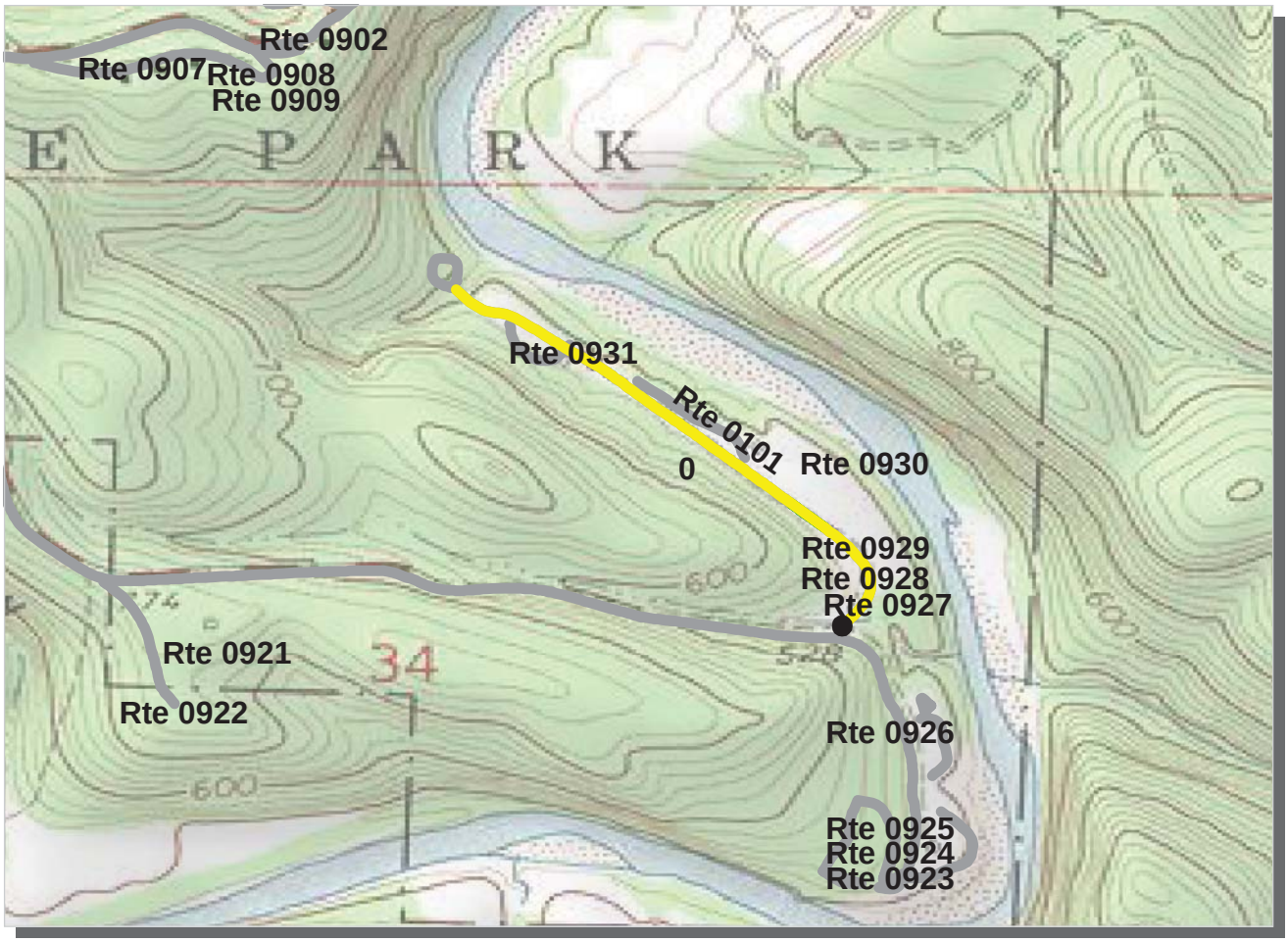
ROUTE: 0100 Buffalo Point River Access Road **TOTAL LENGTH: 1.43 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.43			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	18			
Lane Width (ft)	8	8			
Shoulder Width (ft)	4	4			
Roadway Condition Information					
PCR (Pavement Condition Rating)	47	62			
RCI (Roughness Condition Index)	42	75			
SCR (Surface Condition Rating)	50	56			
Alligator Cracking Index	100	100			
Rutting Index	54	56			
Patching Index	96	100			
Tranverse Cracking Index	99	100			
Longitudinal Cracking Index	99	99			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	POOR	POOR			

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0100 Buffalo Point River Access Road



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

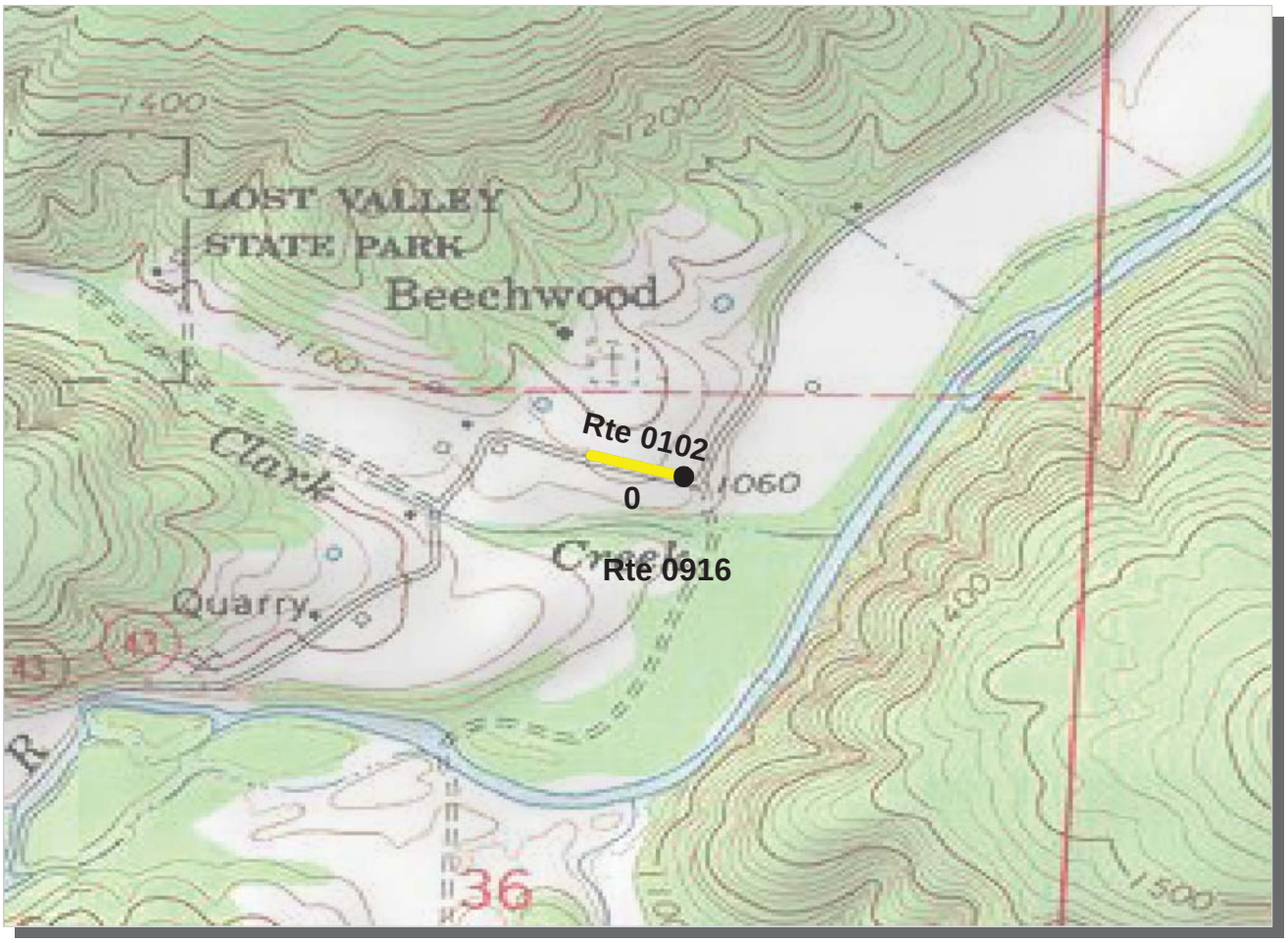
ROUTE: 0101 Buffalo Point Campground Road **TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	72				
RCI (Roughness Condition Index)	76				
SCR (Surface Condition Rating)	70				
Alligator Cracking Index	100				
Rutting Index	70				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0101 Buffalo Point Campground Road



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

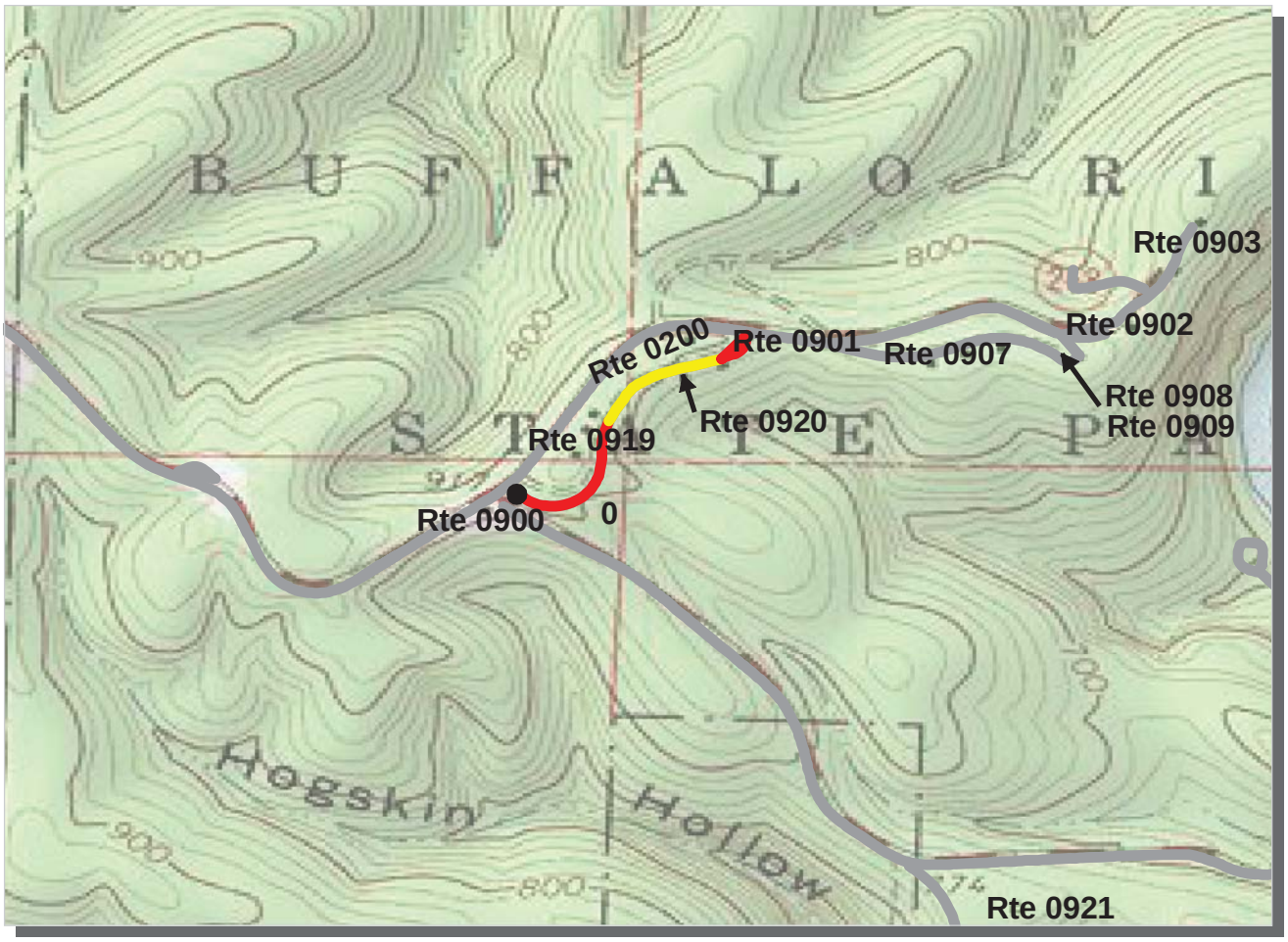
Midwest Region
BUFF : Buffalo National River

ROUTE: 0102 Lost Valley Road **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	64				
RCI (Roughness Condition Index)	47				
SCR (Surface Condition Rating)	67				
Alligator Cracking Index	100				
Rutting Index	68				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

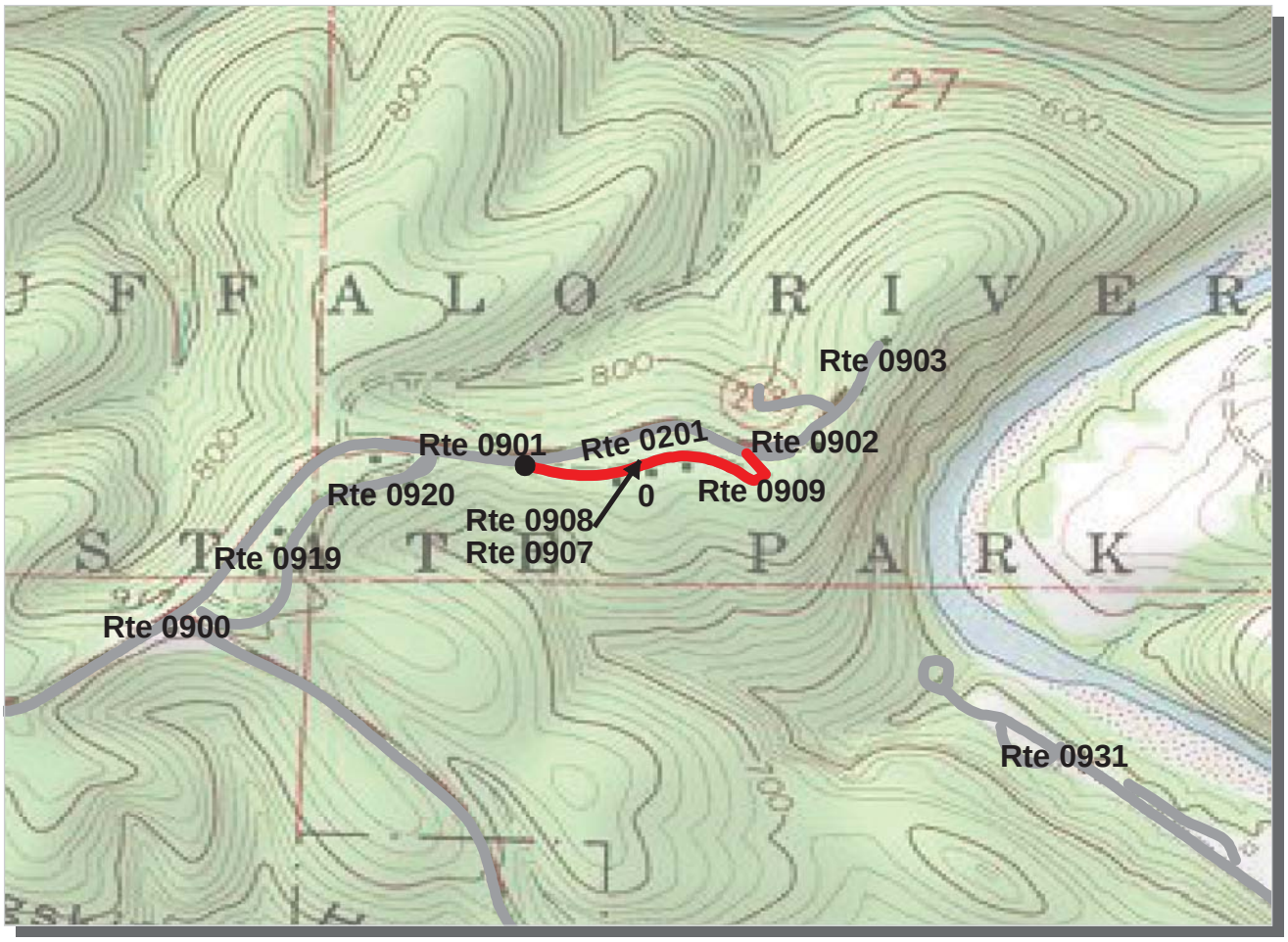
Midwest Region
BUFF : Buffalo National River

ROUTE: 0200 Rustic Cabin Loop **TOTAL LENGTH: 0.31 Miles**

Section Number	0				
Section Length (mi)	0.31				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	53				
RCI (Roughness Condition Index)	51				
SCR (Surface Condition Rating)	57				
Alligator Cracking Index	100				
Rutting Index	57				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

ROUTE: 0201 Modern Cabin Loop **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	50				
RCI (Roughness Condition Index)	40				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	100				
Rutting Index	57				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0201 Modern Cabin Loop

N

PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

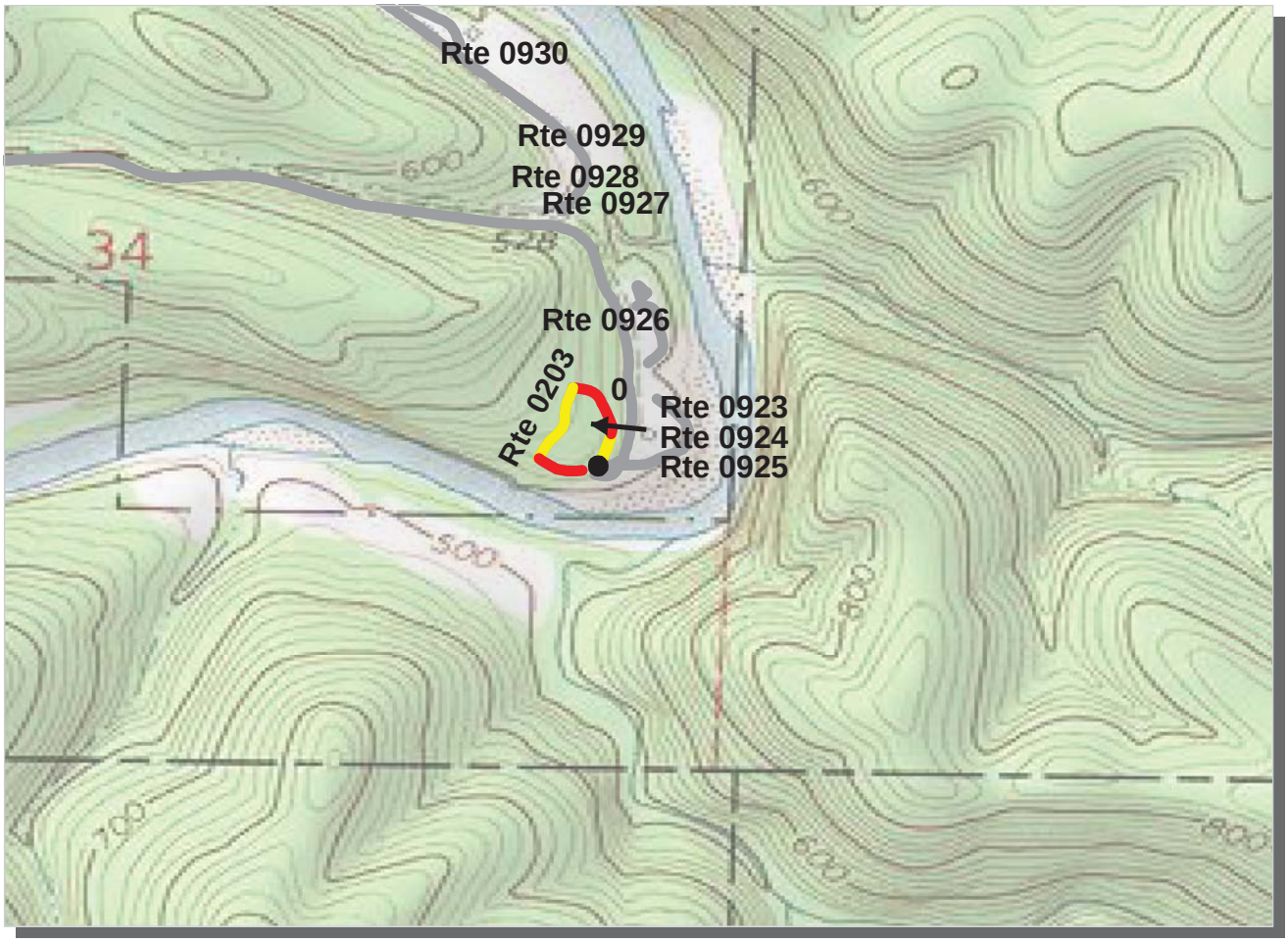
ROUTE: 0202 Mid Level Group Campground Rd **TOTAL LENGTH: 0.15 Miles**

Section Number	0				
Section Length (mi)	0.15				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	35				
RCI (Roughness Condition Index)	39				
SCR (Surface Condition Rating)	36				
Alligator Cracking Index	100				
Rutting Index	40				
Patching Index	99				
Tranverse Cracking Index	97				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	POOR				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0202 Mid Level Group Campground Rd



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

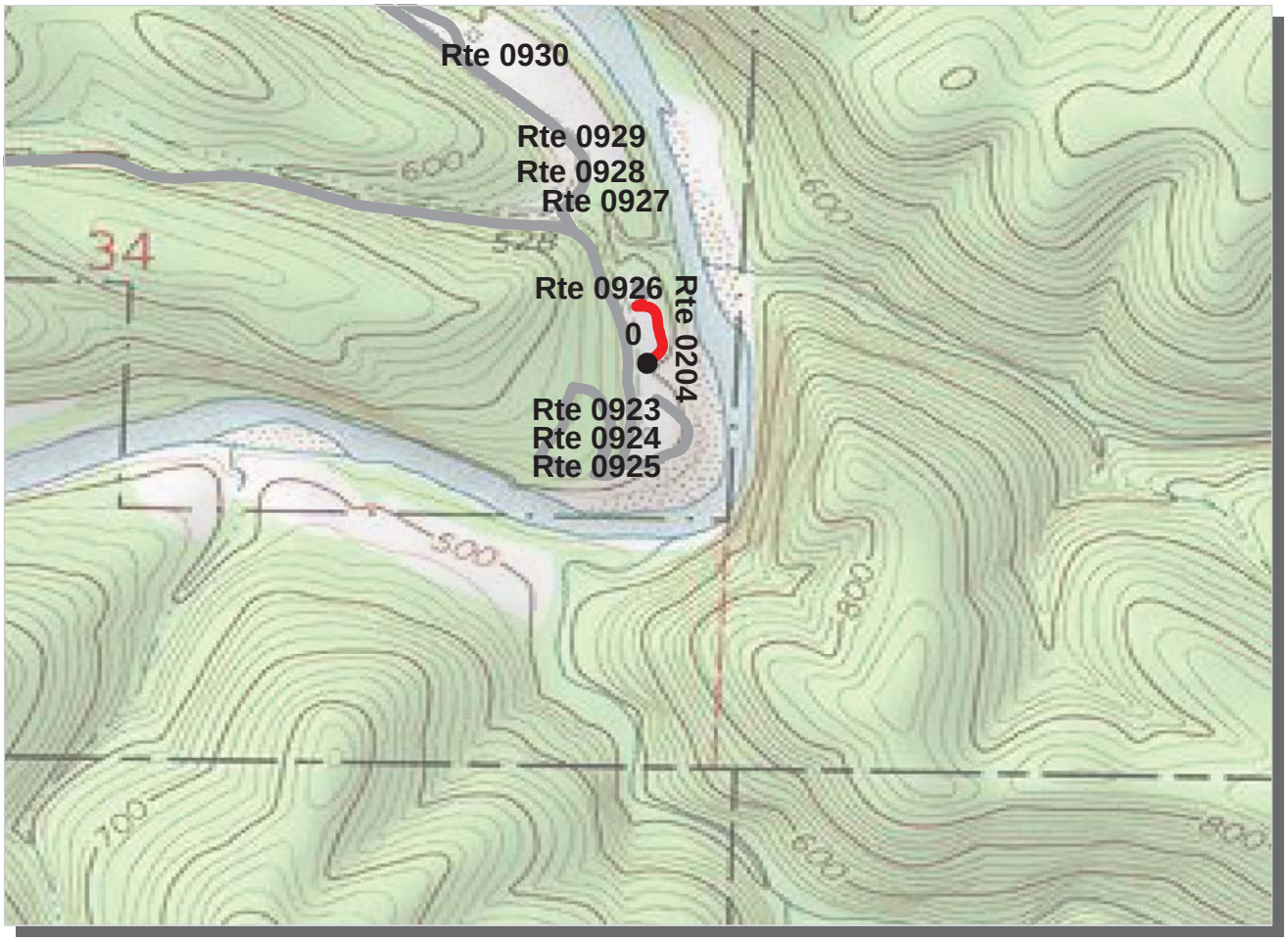
ROUTE: 0203 Buffalo Point Campground Loop A **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	59				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	59				
Alligator Cracking Index	100				
Rutting Index	60				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0203 Buffalo Point Campground Loop A



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

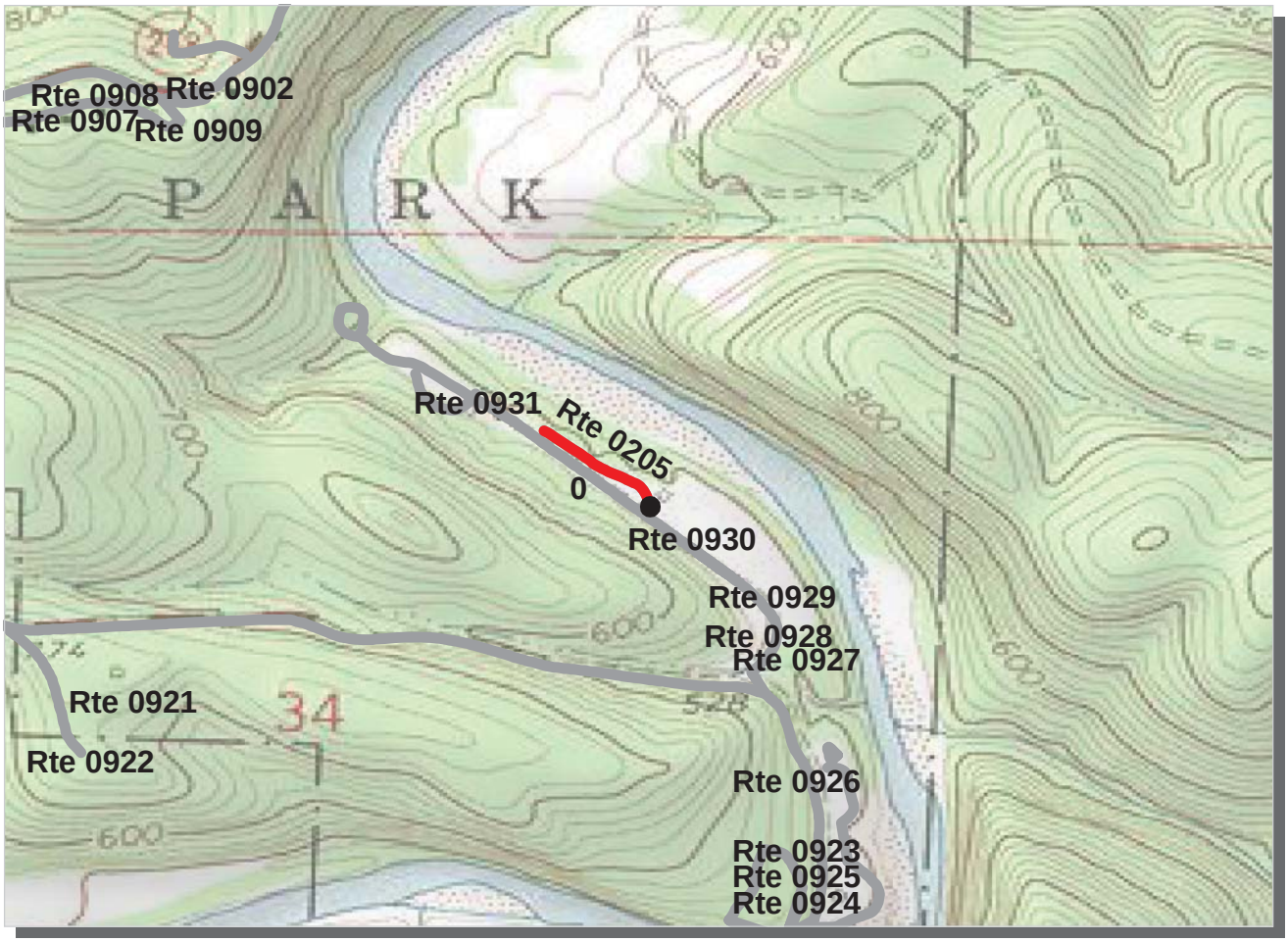
Midwest Region
BUFF : Buffalo National River

ROUTE: 0204 Buffalo Point Campground Loop B **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	28				
RCI (Roughness Condition Index)	21				
SCR (Surface Condition Rating)	30				
Alligator Cracking Index	99				
Rutting Index	39				
Patching Index	95				
Tranverse Cracking Index	97				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

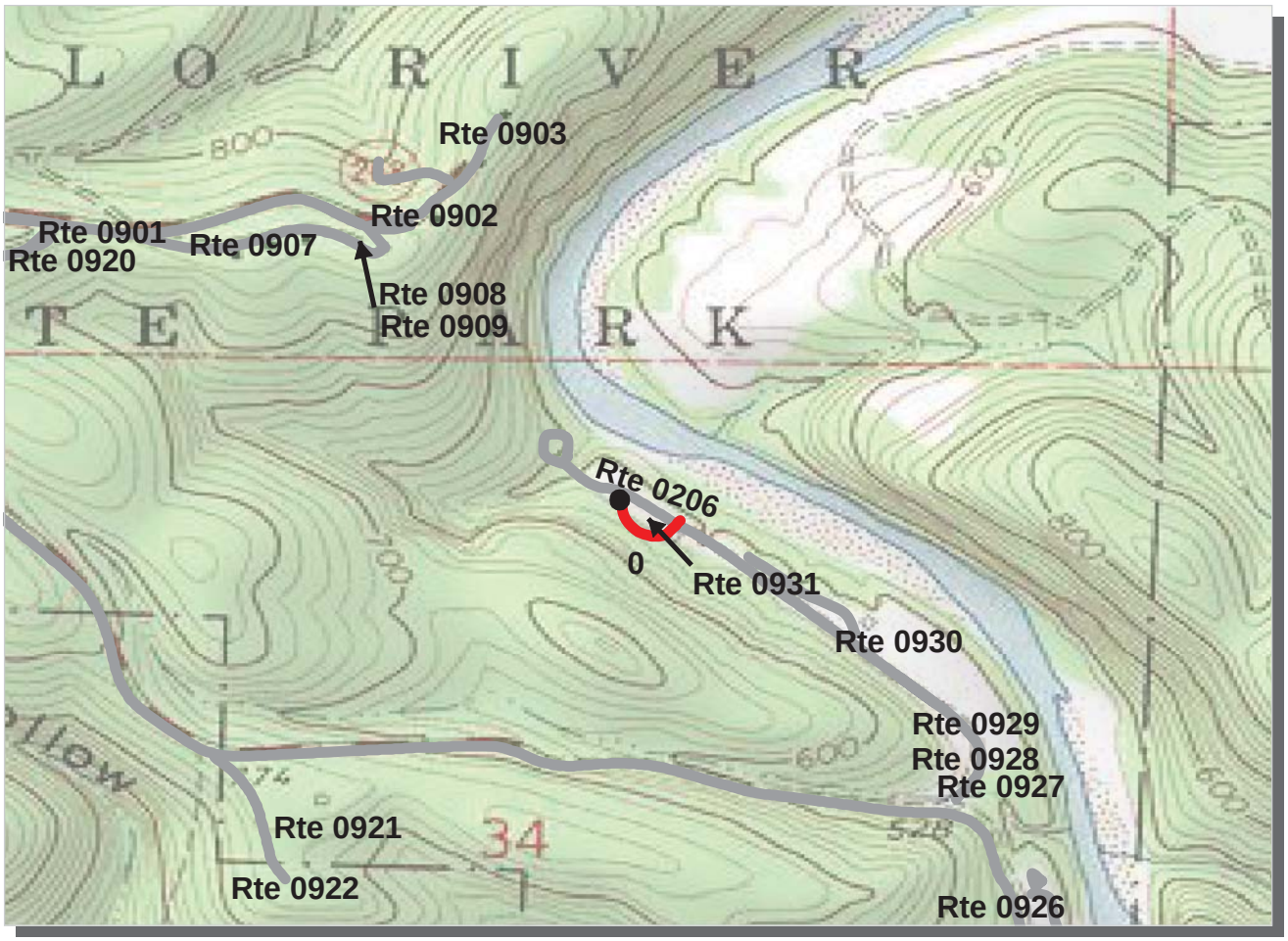
ROUTE: 0205 Buffalo Point Campground Loop C **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	52				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	52				
Alligator Cracking Index	100				
Rutting Index	53				
Patching Index	99				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0205 Buffalo Point Campground Loop C



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

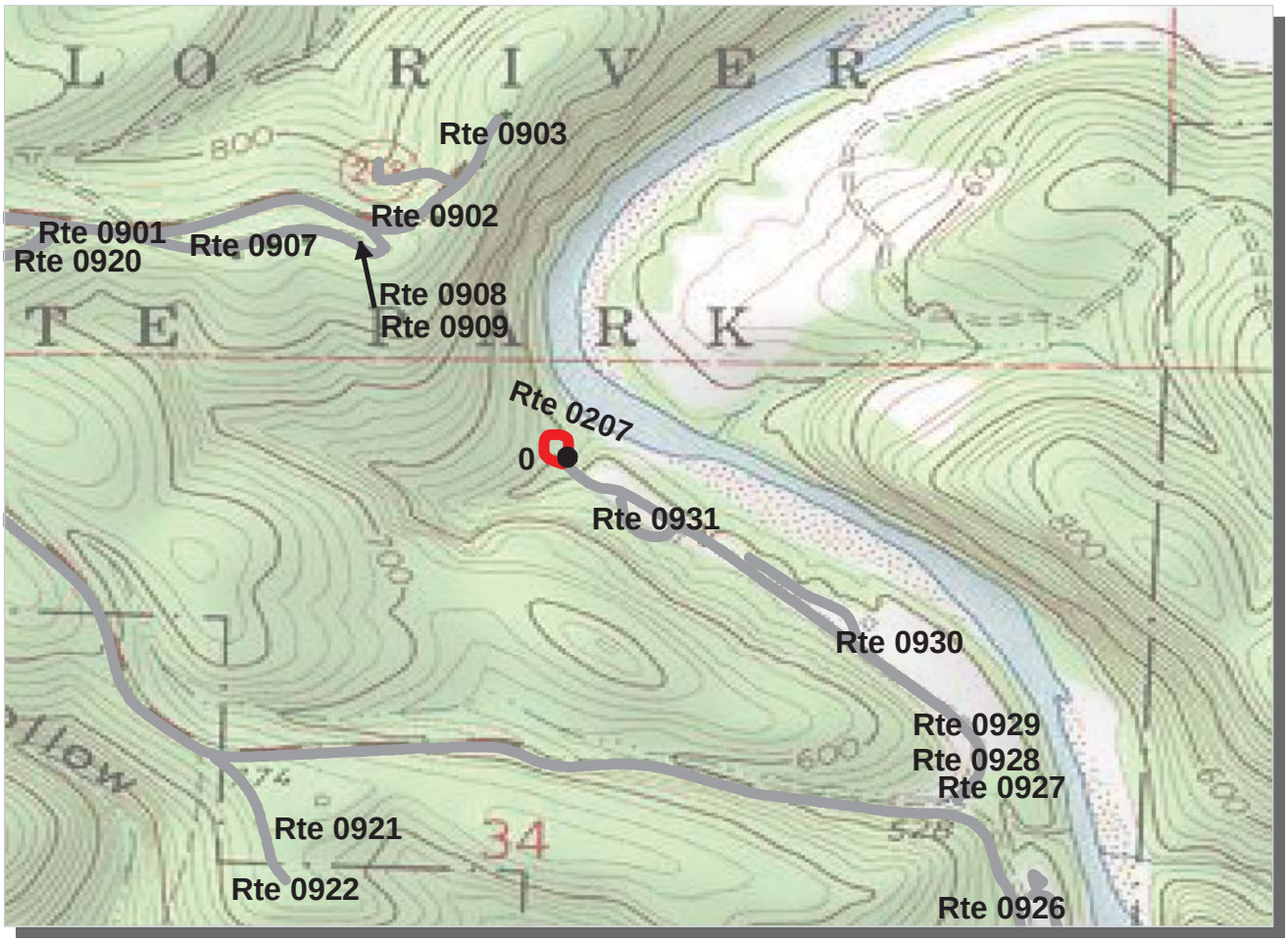
Midwest Region
BUFF : Buffalo National River

ROUTE: 0206 Buffalo Point Campground Loop D **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	46				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	46				
Alligator Cracking Index	100				
Rutting Index	48				
Patching Index	98				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

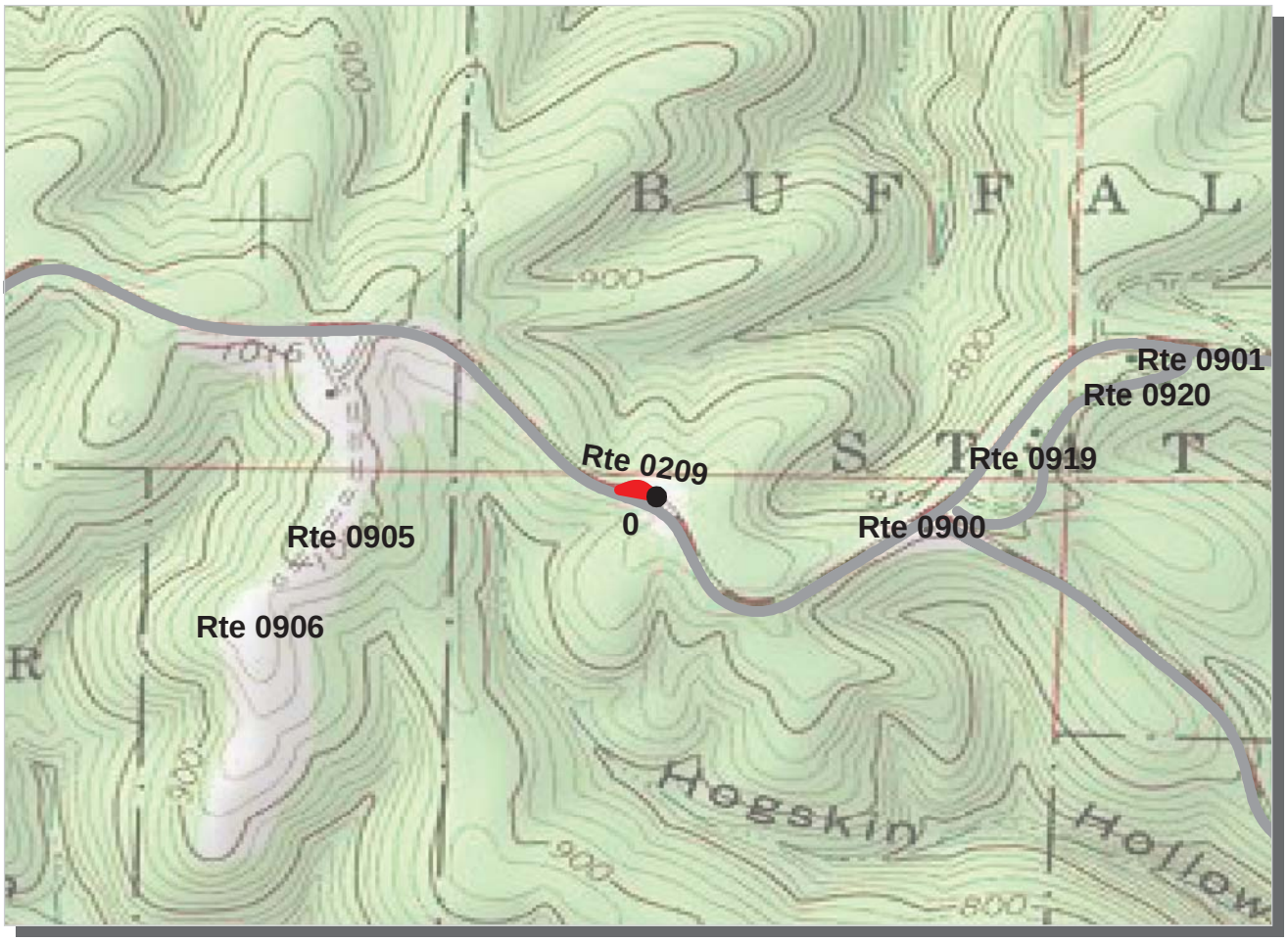
ROUTE: 0207 Buffalo Point Campground Loop E **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	50				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	50				
Alligator Cracking Index	100				
Rutting Index	51				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0207 Buffalo Point Campground Loop E



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

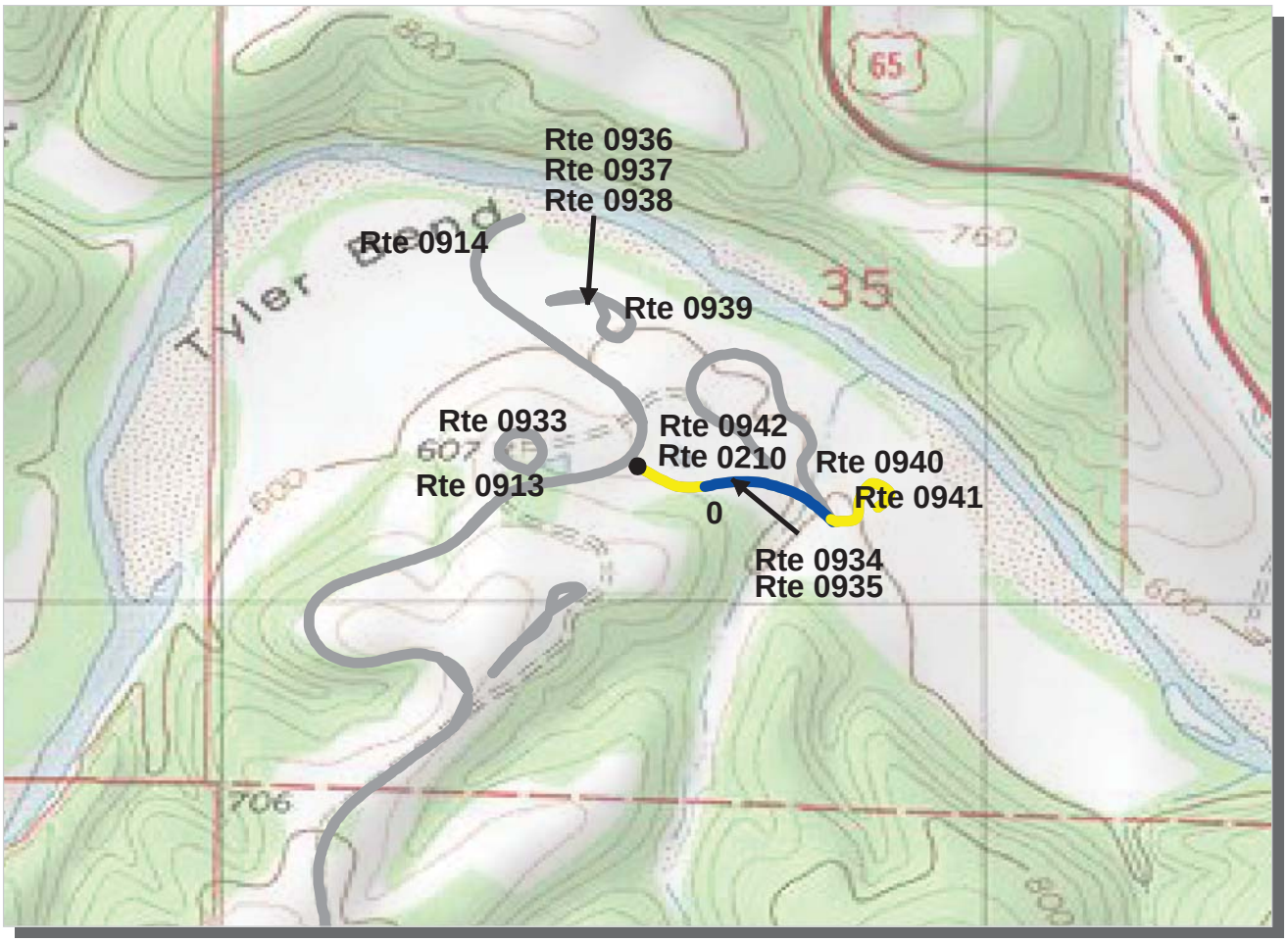
ROUTE: 0209 Buffalo Point Rv Dump Station **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	36				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	36				
Alligator Cracking Index	100				
Rutting Index	40				
Patching Index	97				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0209 Buffalo Point Rv Dump Station



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

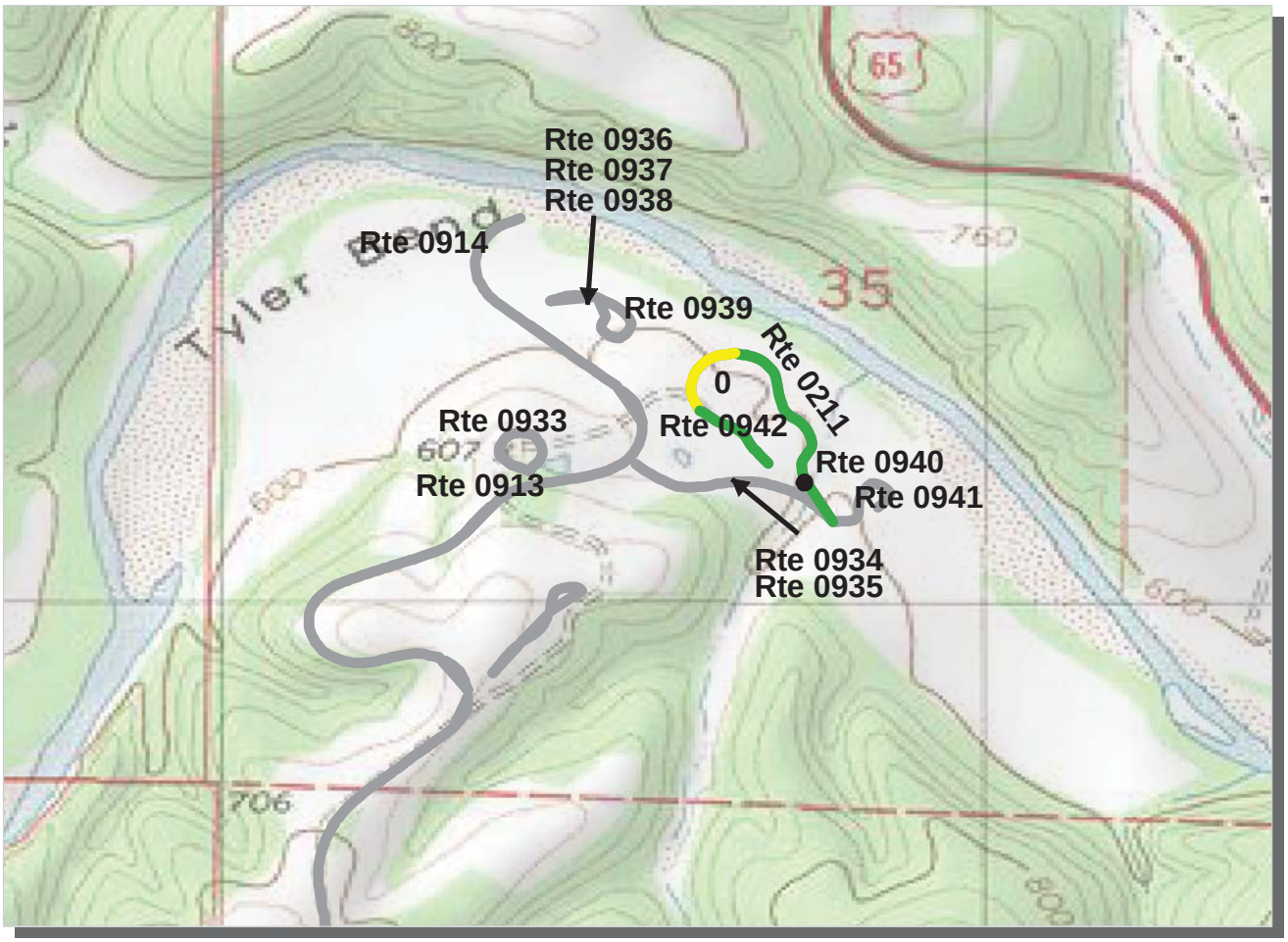
Midwest Region
BUFF : Buffalo National River

ROUTE: 0210 Tyler Bend Campground Loop A **TOTAL LENGTH: 0.30 Miles**

Section Number	0				
Section Length (mi)	0.30				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	84				
RCI (Roughness Condition Index)	86				
SCR (Surface Condition Rating)	85				
Alligator Cracking Index	100				
Rutting Index	85				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

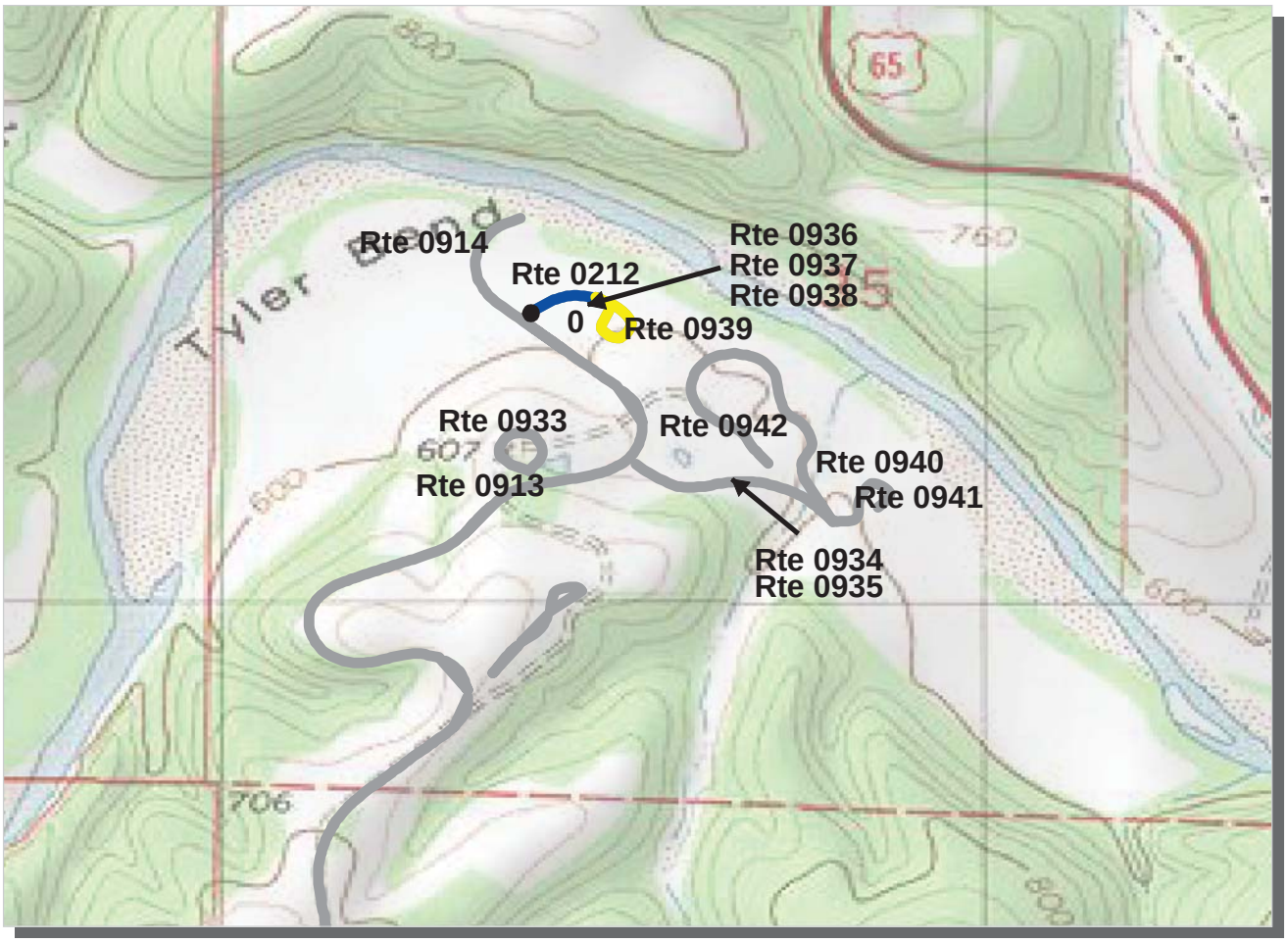
ROUTE: 0211 Tyler Bend Campground Loop B **TOTAL LENGTH: 0.36 Miles**

Section Number	0				
Section Length (mi)	0.36				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	85				
RCI (Roughness Condition Index)	78				
SCR (Surface Condition Rating)	88				
Alligator Cracking Index	100				
Rutting Index	89				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0211 Tyler Bend Campground Loop B



N

PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

ROUTE: 0212 Tyler Bend Groupsite Loop **TOTAL LENGTH: 0.18 Miles**

Section Number	0				
Section Length (mi)	0.18				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	81				
RCI (Roughness Condition Index)	79				
SCR (Surface Condition Rating)	81				
Alligator Cracking Index	100				
Rutting Index	85				
Patching Index	99				
Tranverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

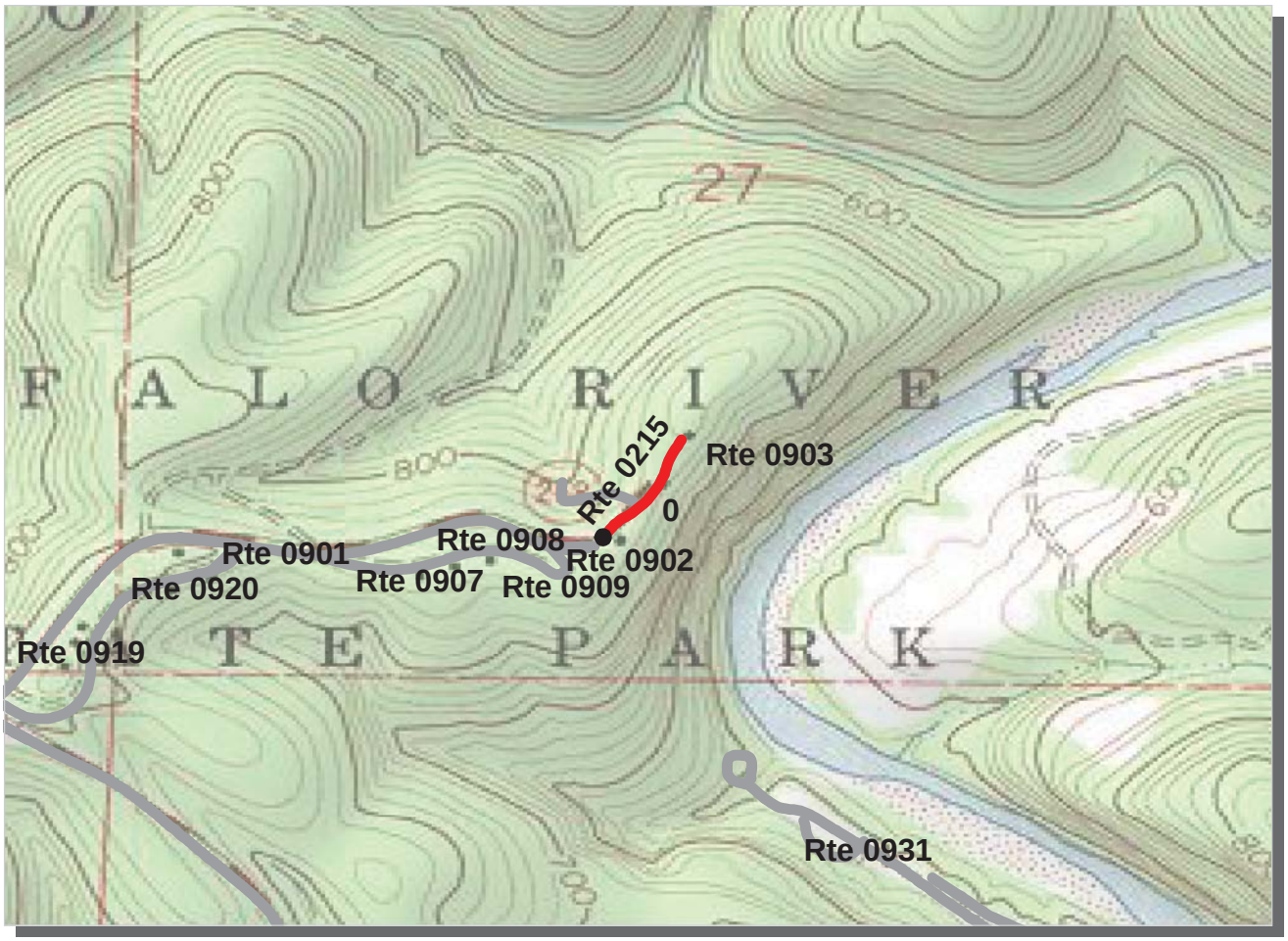
Midwest Region
BUFF : Buffalo National River

ROUTE: 0213 Tyler Bend Rv Dump Station **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	76				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	76				
Alligator Cracking Index	100				
Rutting Index	77				
Patching Index	99				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

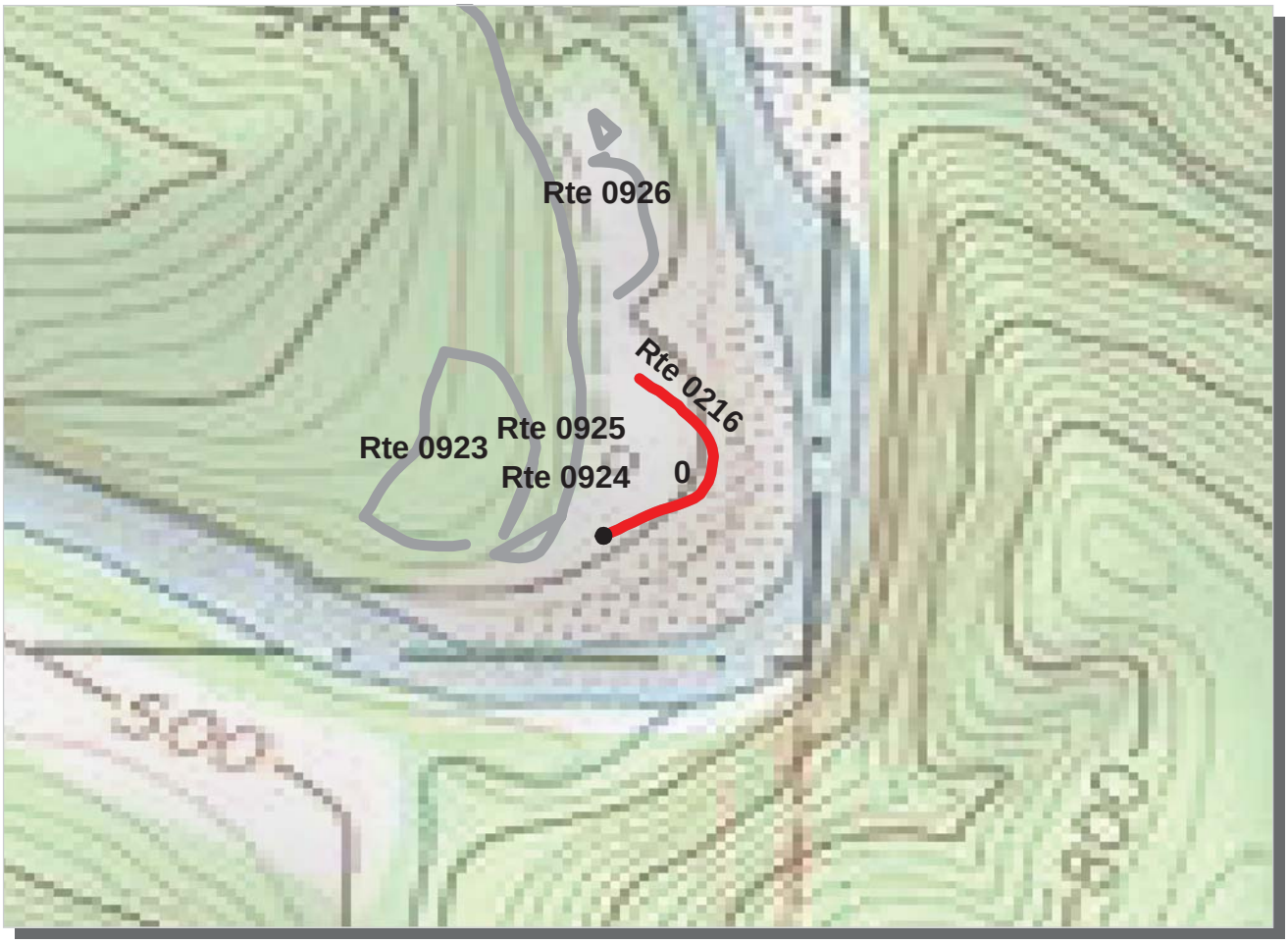
Midwest Region
BUFF : Buffalo National River

ROUTE: 0215 Cabin 13 And 14 Access Road **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	30				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	30				
Alligator Cracking Index	97				
Rutting Index	34				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

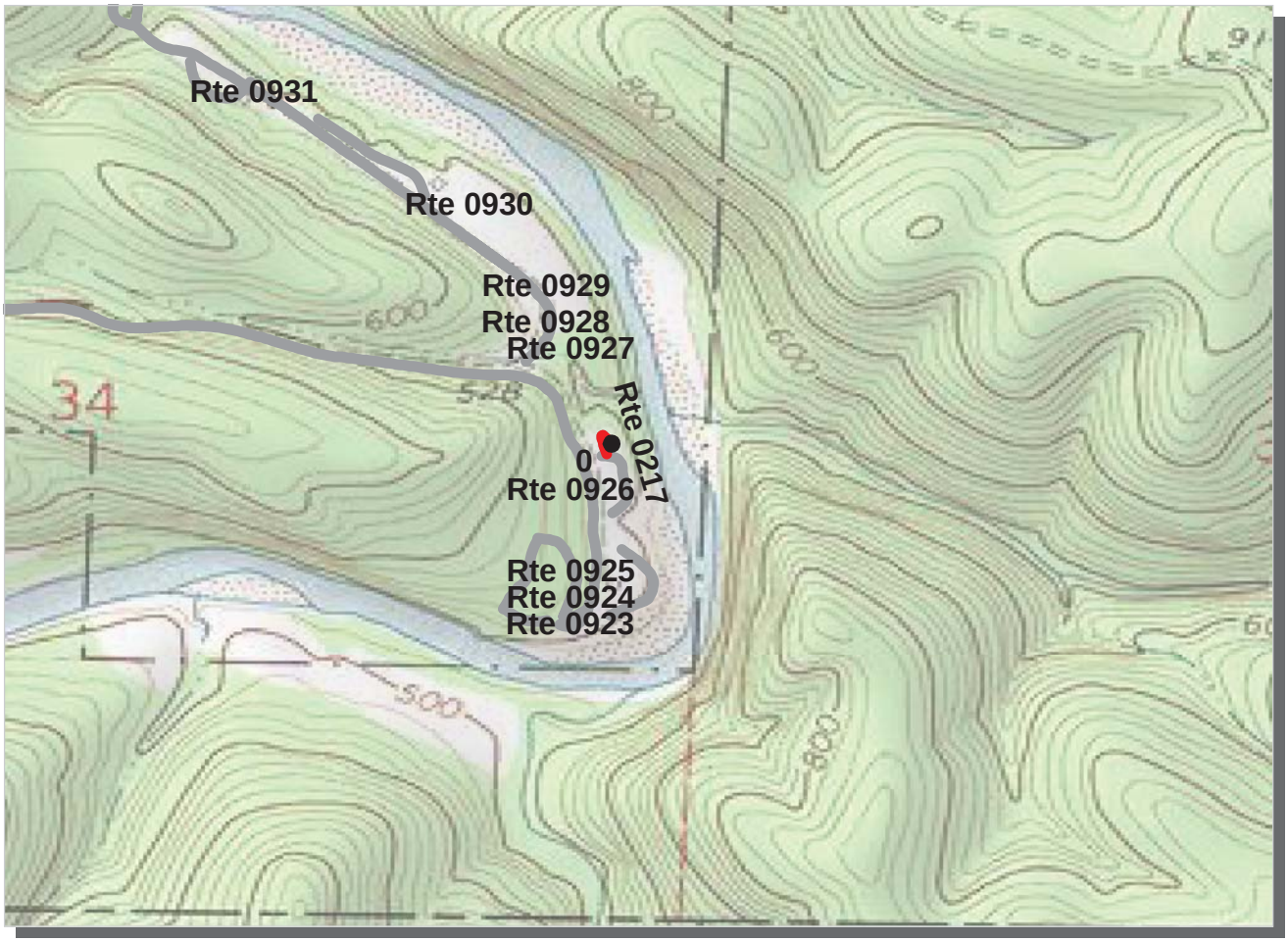
Midwest Region
BUFF : Buffalo National River

ROUTE: 0216 Buffalo Point Boat Launch **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	40				
RCI (Roughness Condition Index)	26				
SCR (Surface Condition Rating)	41				
Alligator Cracking Index	100				
Rutting Index	43				
Patching Index	98				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

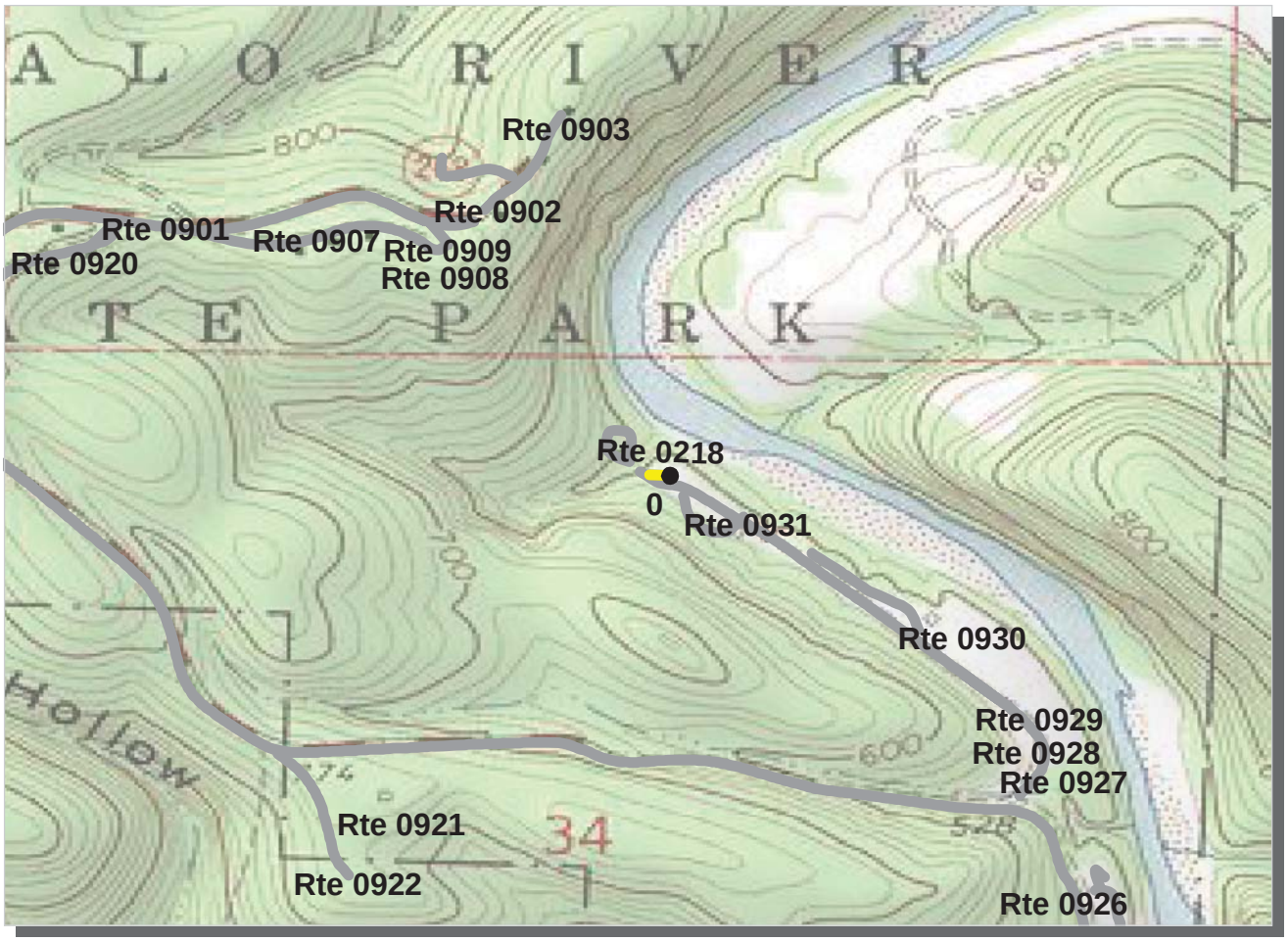
Midwest Region
BUFF : Buffalo National River

ROUTE: 0217 Buffalo Point Campground Loop B Loop **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	44				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	44				
Alligator Cracking Index	97				
Rutting Index	49				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	POOR				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

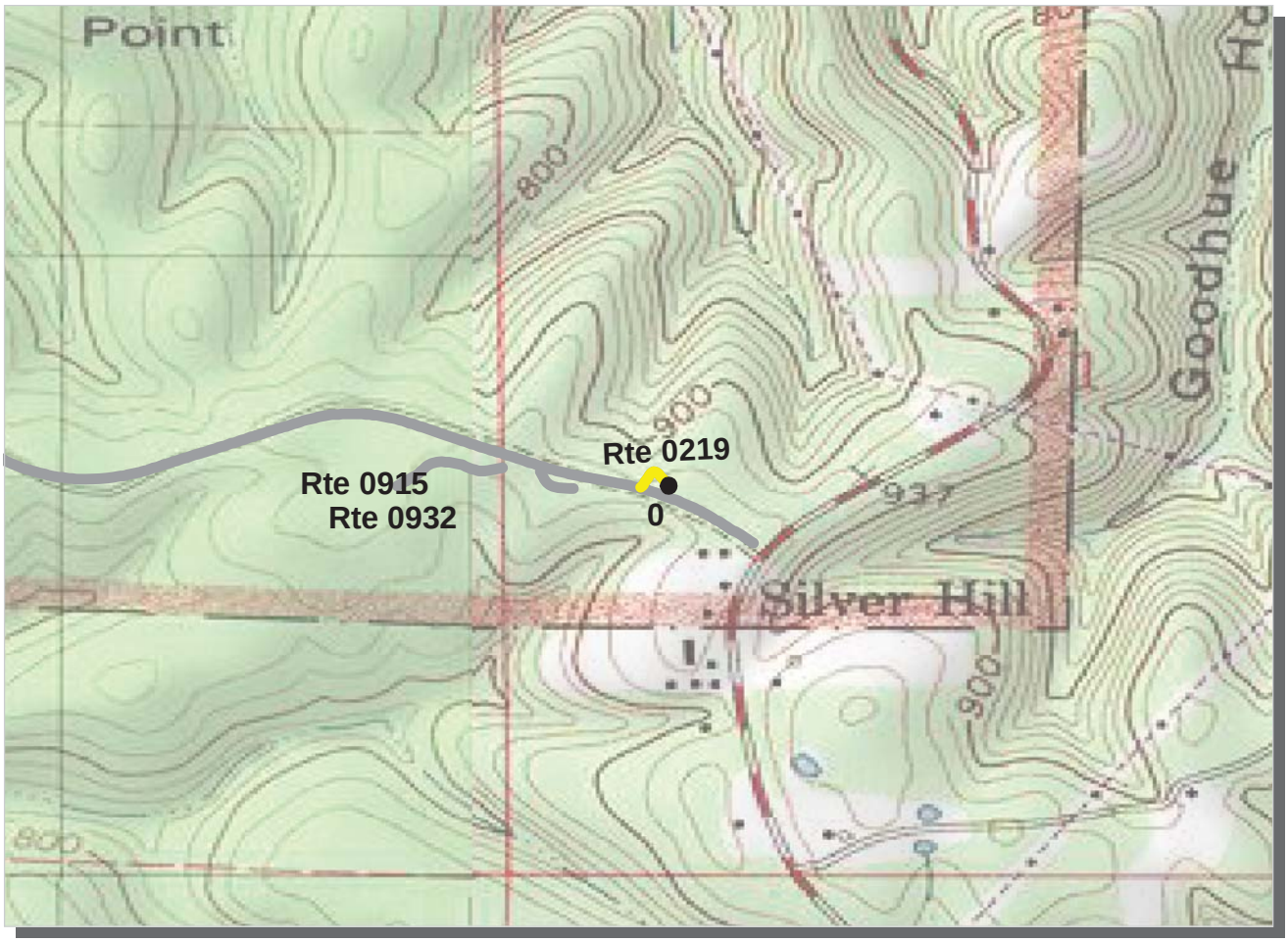
ROUTE: 0218 Buffalo Point Campground Sites 63-65 Access **TOTAL LENGTH: 0.03 Miles**

Section Number	0				
Section Length (mi)	0.03				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	50				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	50				
Alligator Cracking Index	100				
Rutting Index	61				
Patching Index	89				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0218 Buffalo Point Campground Sites 63-65 Access



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

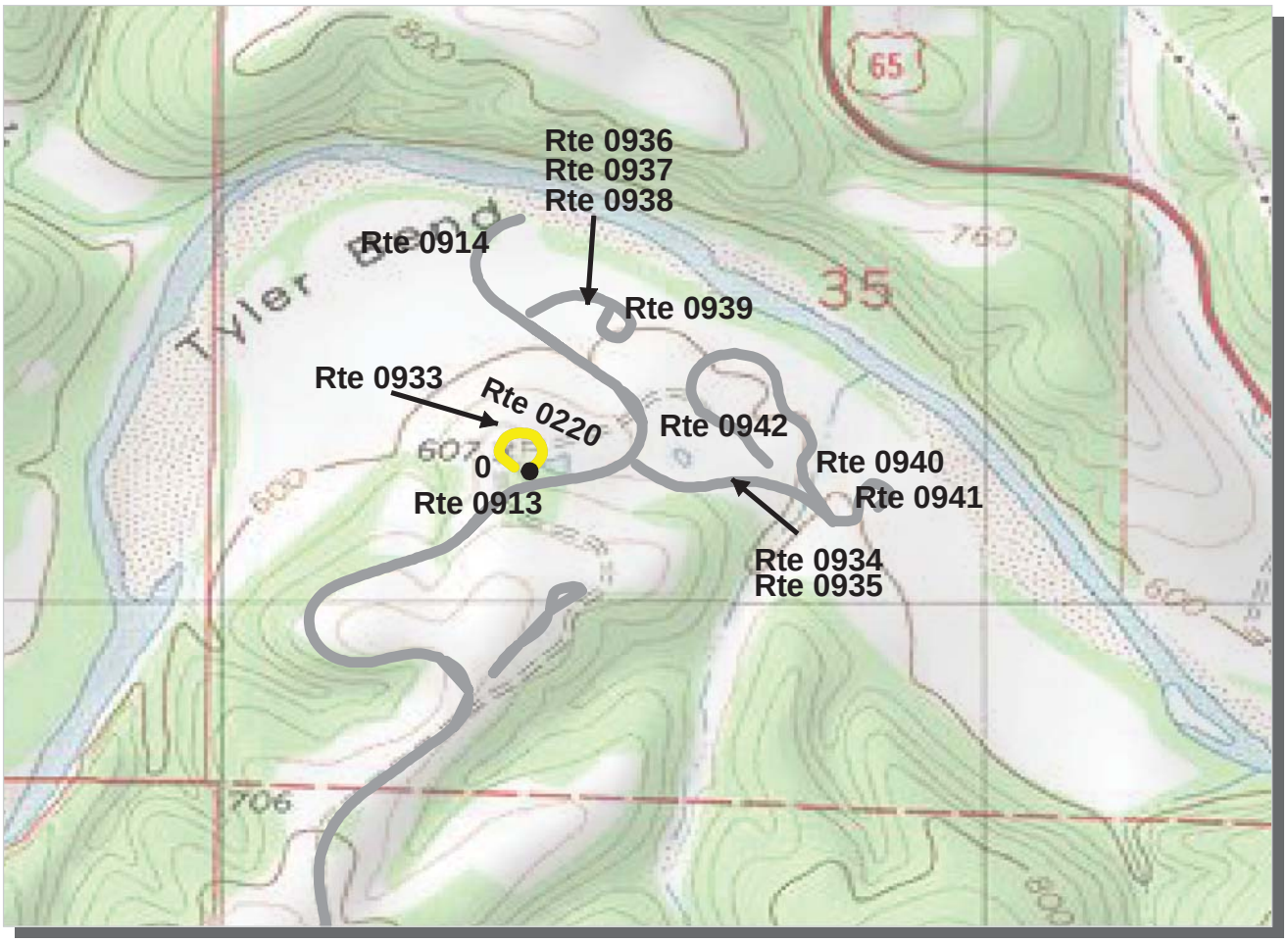
Midwest Region
BUFF : Buffalo National River

ROUTE: 0219 Tyler Bend Information Loop **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	78				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	78				
Alligator Cracking Index	100				
Rutting Index	78				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

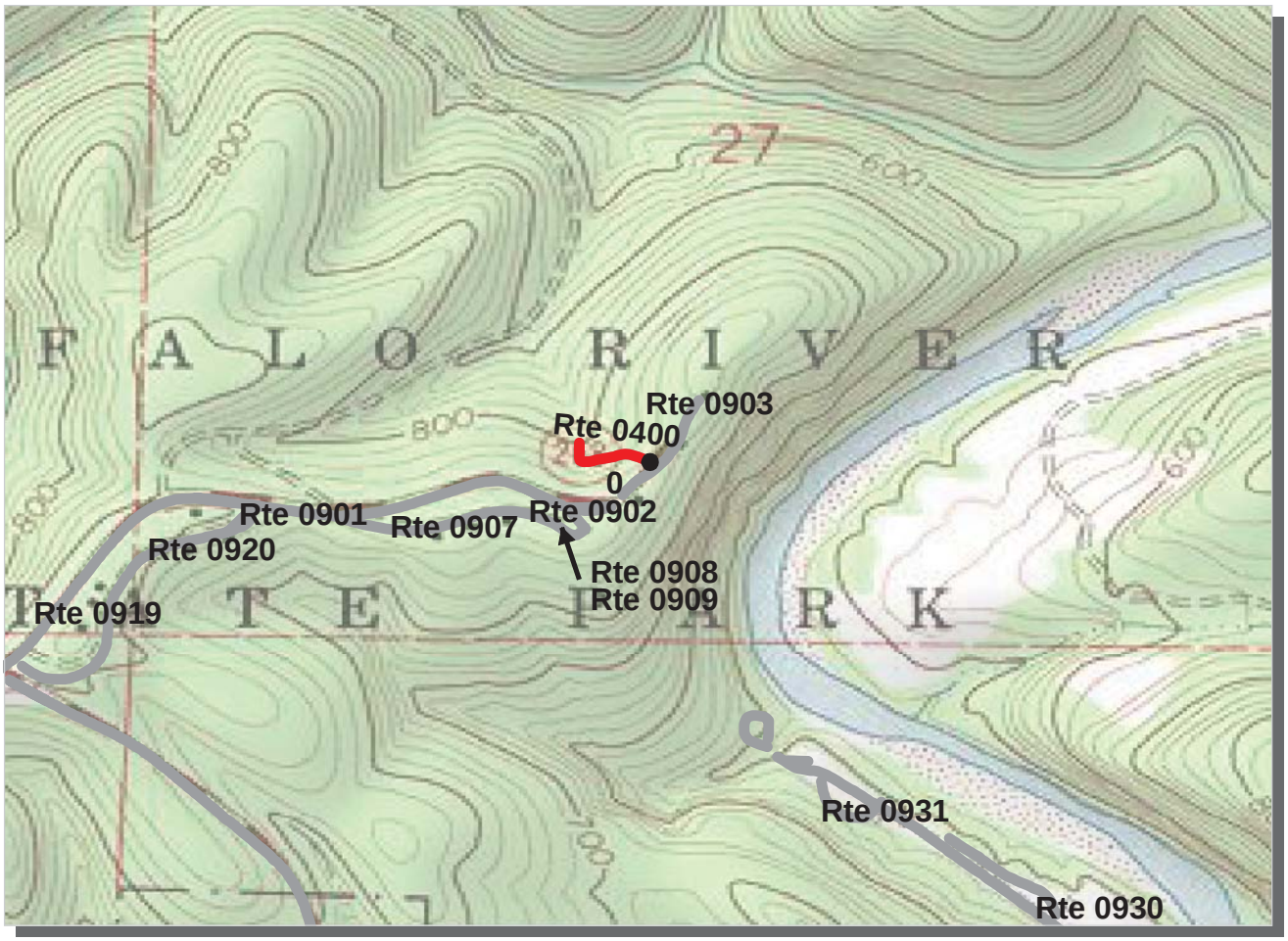
Midwest Region
BUFF : Buffalo National River

ROUTE: 0220 Tyler Bend Visitor Center Loop **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	13				
Shoulder Width (ft)	6				
Roadway Condition Information					
PCR (Pavement Condition Rating)	88				
RCI (Roughness Condition Index)	86				
SCR (Surface Condition Rating)	87				
Alligator Cracking Index	100				
Rutting Index	88				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

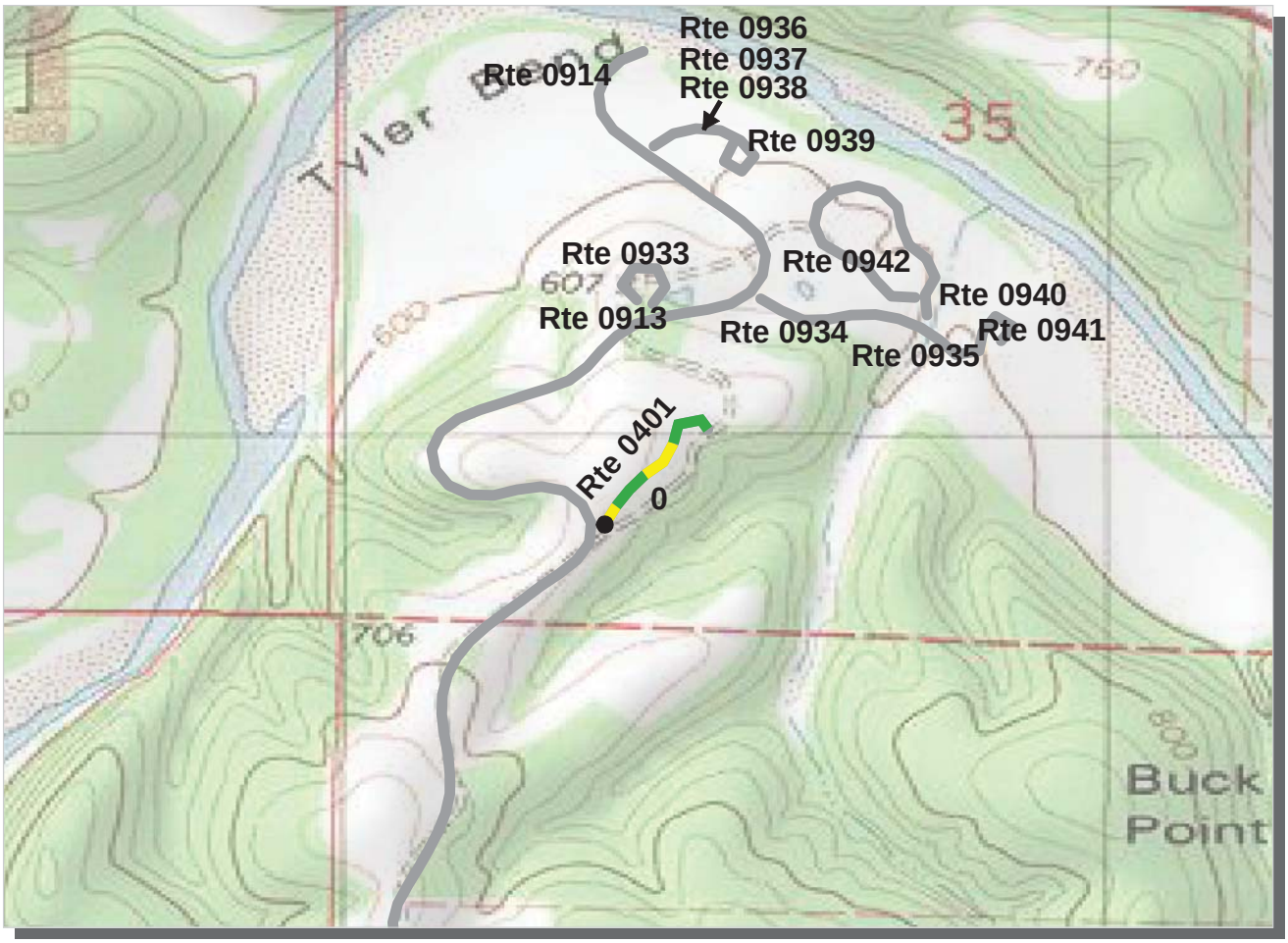
Midwest Region
BUFF : Buffalo National River

ROUTE: 0400 Upper Wastewater Road **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	42				
Alligator Cracking Index	93				
Rutting Index	62				
Patching Index	99				
Tranverse Cracking Index	93				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

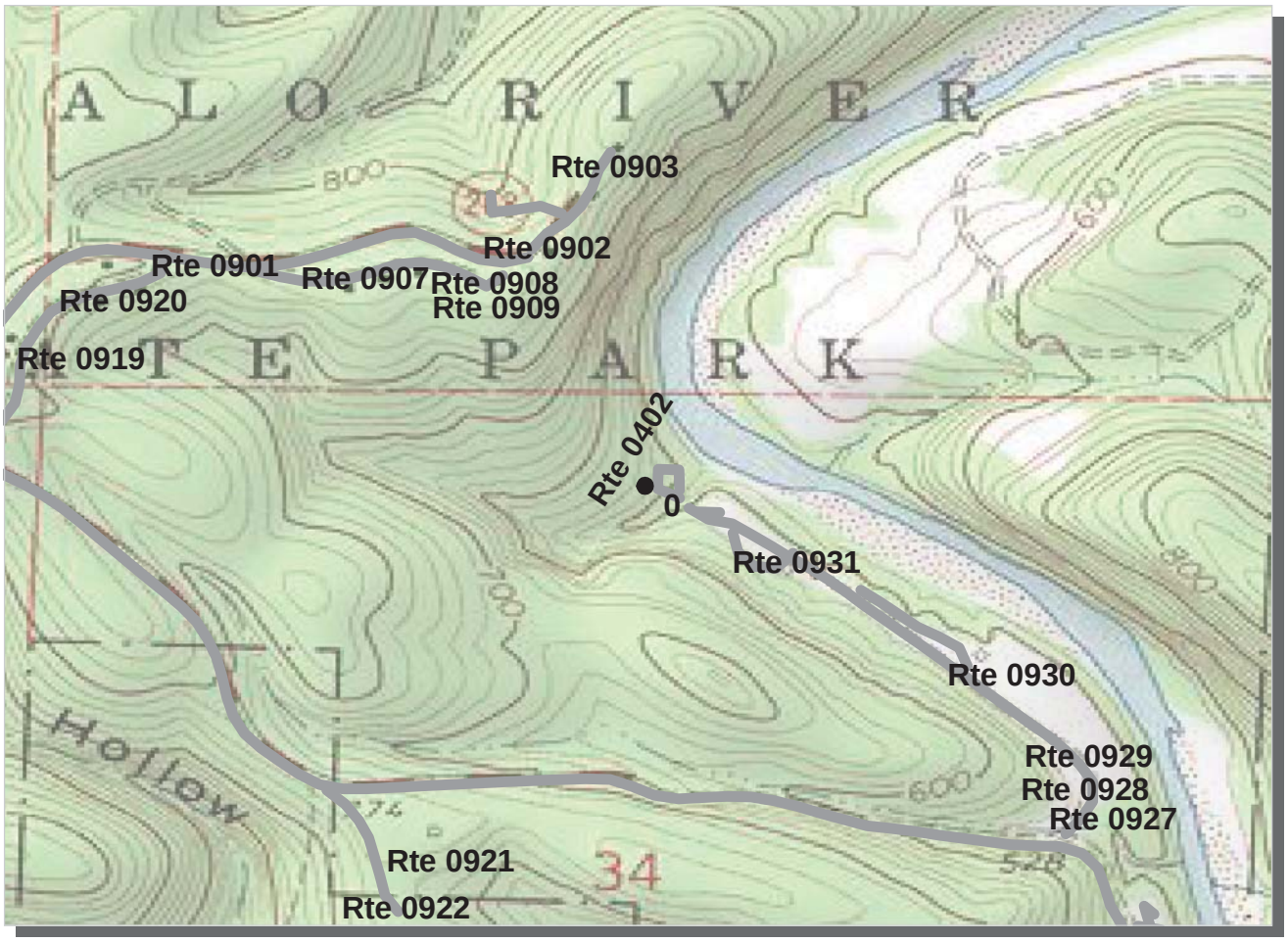
ROUTE: 0401 Tyler Bend Wastewater Treatment Plant Road **TOTAL LENGTH: 0.18 Miles**

Section Number	0				
Section Length (mi)	0.18				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	77				
RCI (Roughness Condition Index)	48				
SCR (Surface Condition Rating)	81				
Alligator Cracking Index	100				
Rutting Index	83				
Patching Index	100				
Tranverse Cracking Index	97				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0401 Tyler Bend Wastewater Treatment Plant Road



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

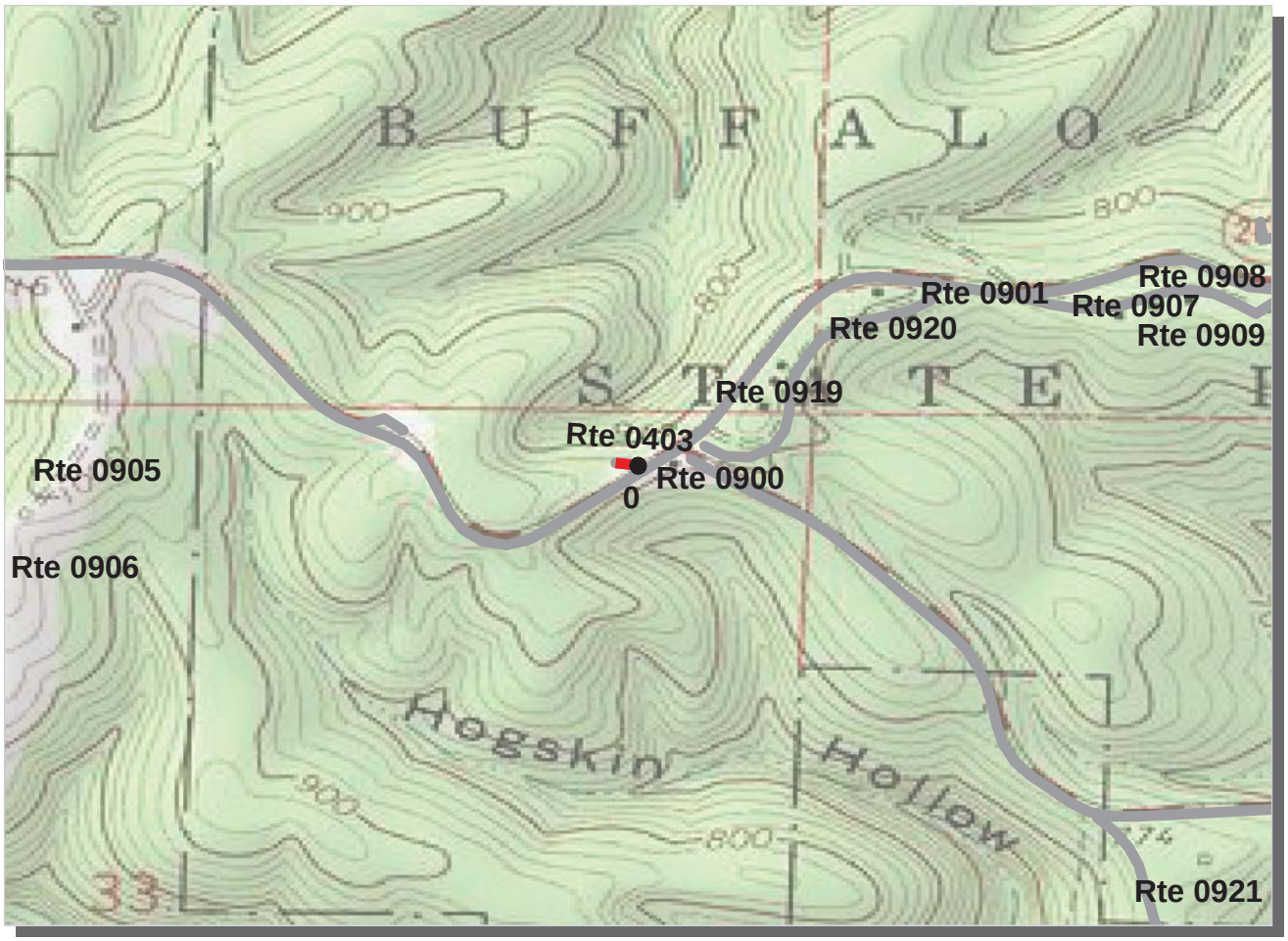
ROUTE: 0402 Buffalo Point Campground Sewage Disposal Road **TOTAL LENGTH: 0.02 Miles**

Section Number	0				
Section Length (mi)	0.02				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	100				
Rutting Index	0				
Patching Index	100				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0402 Buffalo Point Campground Sewage Disposal Road



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

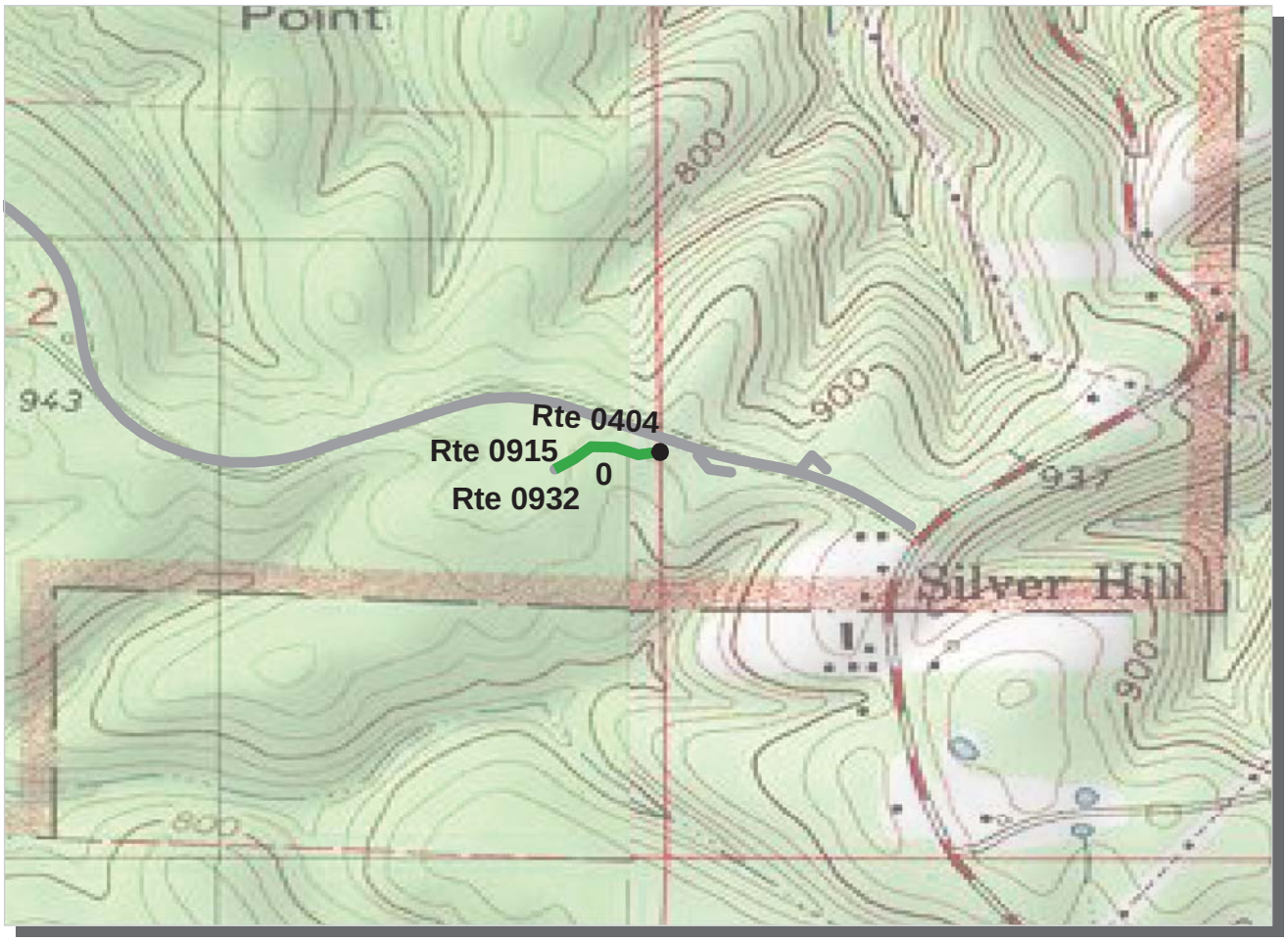
ROUTE: 0403 Buffalo Point Interpretive Storage Road **TOTAL LENGTH: 0.04 Miles**

Section Number	0				
Section Length (mi)	0.04				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	49				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	49				
Alligator Cracking Index	100				
Rutting Index	71				
Patching Index	92				
Tranverse Cracking Index	88				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0403 Buffalo Point Interpretive Storage Road



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Midwest Region
BUFF : Buffalo National River

ROUTE: 0404 Tyler Bend Maintenance Road **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	6				
Roadway Condition Information					
PCR (Pavement Condition Rating)	84				
RCI (Roughness Condition Index)	81				
SCR (Surface Condition Rating)	85				
Alligator Cracking Index	100				
Rutting Index	86				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	GOOD				

* NC designates data not collected NA designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

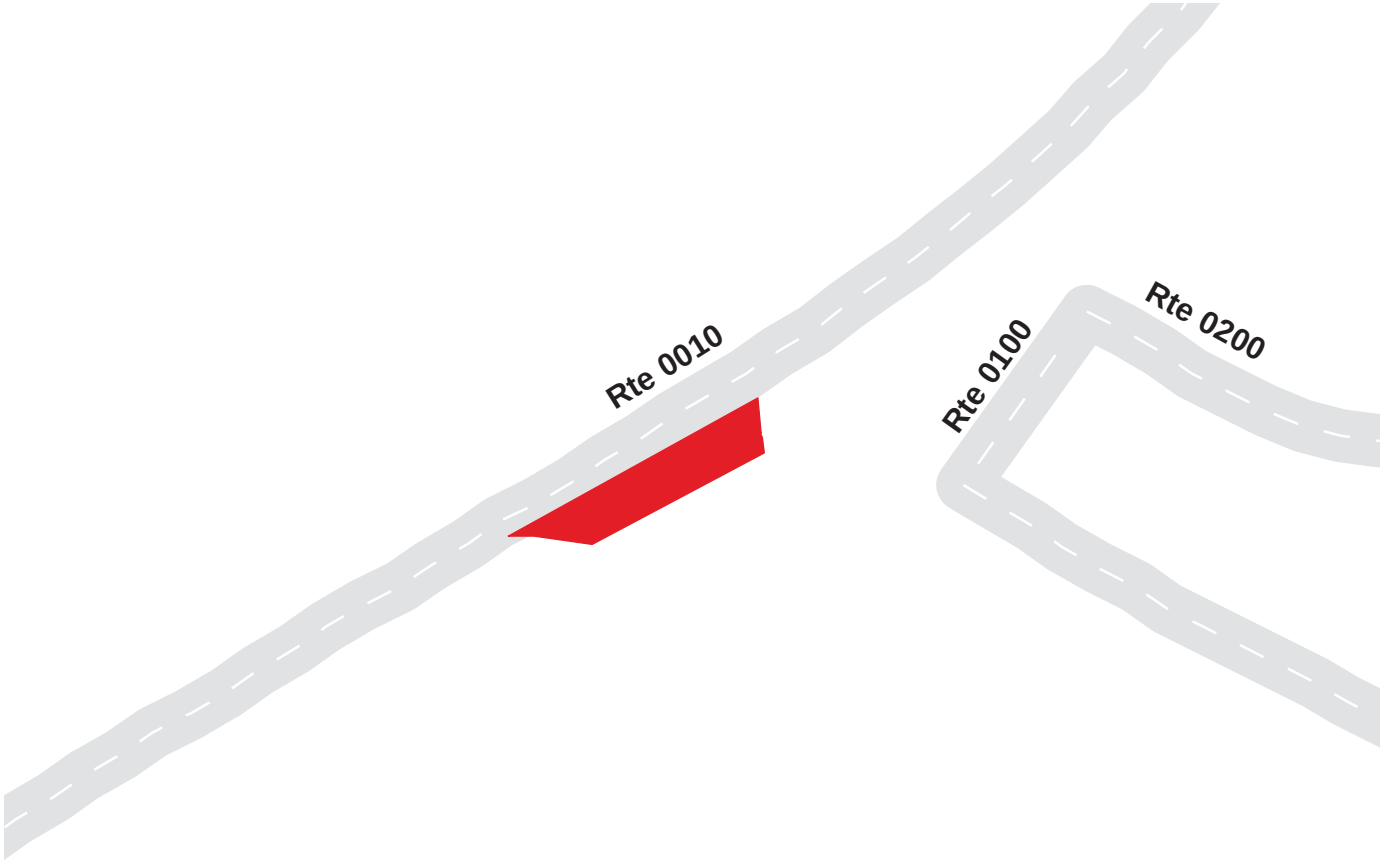
BUFF: Manually Rated Paved Route Condition Rating Sheets

No data available for this section

Buffalo National River
Route 0900
Buffalo Point Ranger Station Parking
From Route 0010 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	9/12/2003	1930	0.03	AS	FAIR / 73

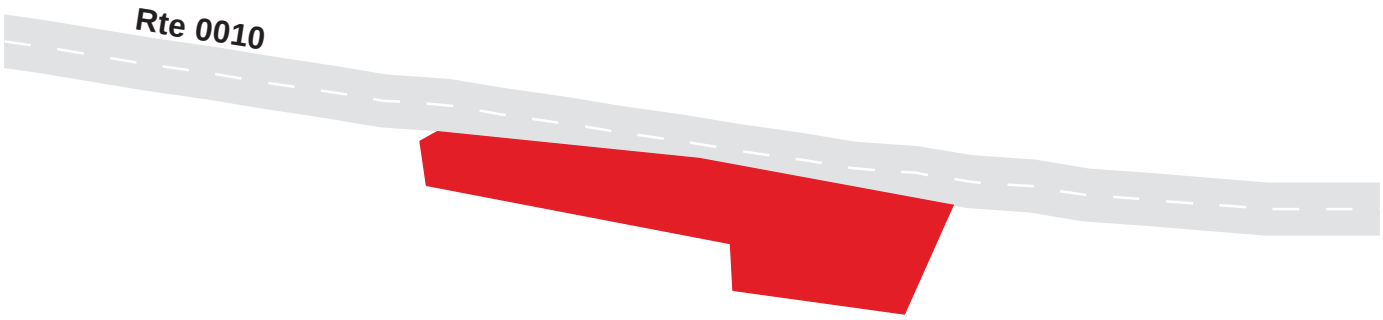
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0901
Trailhead Parking
From Route 0010 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	9/12/2003	3464	0.06	AS	FAIR / 73

* Lane miles are based on 11' lane widths

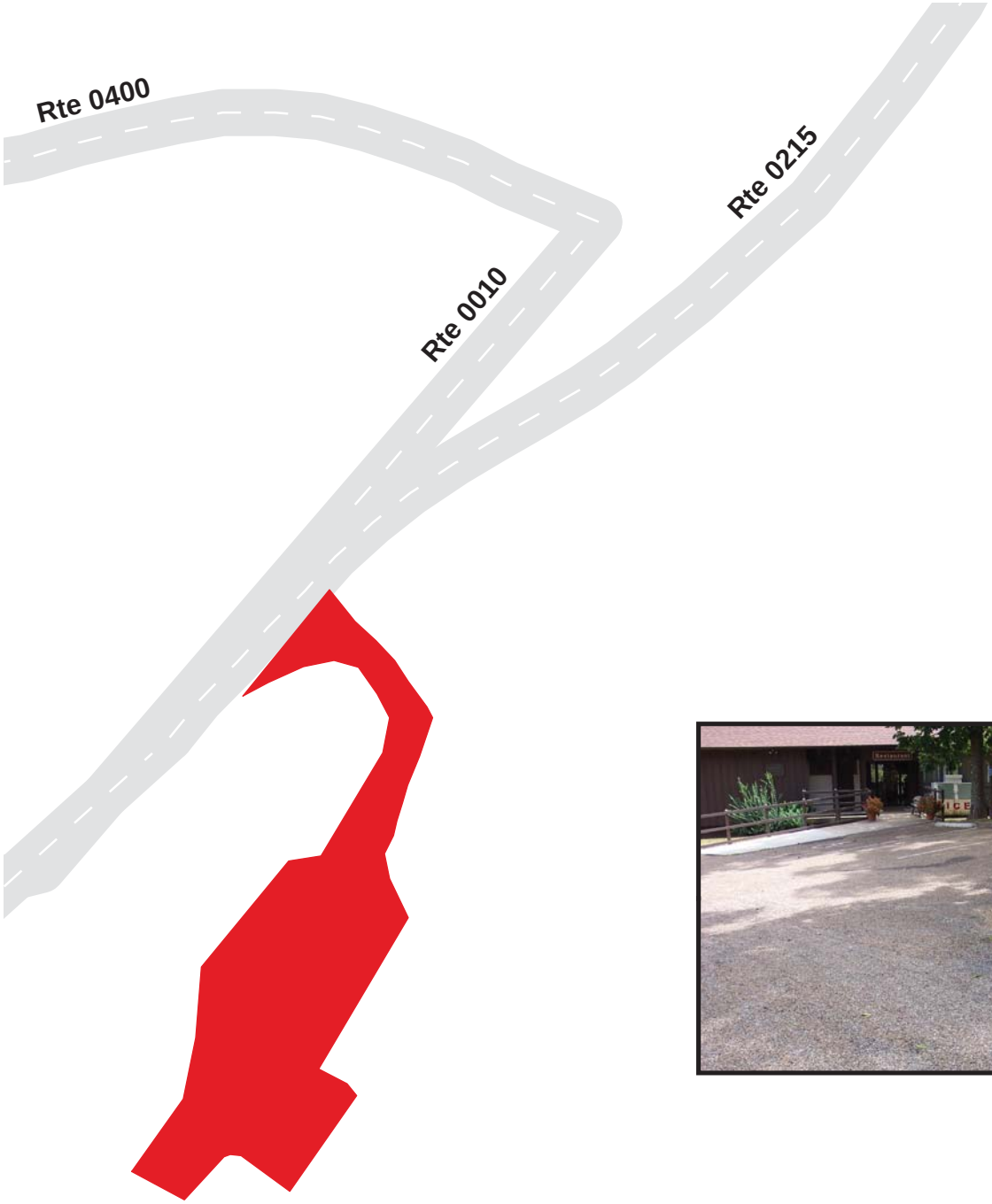


Buffalo National River
Route 0902

Buffalo Point Restaurant Parking
From End of Route 0010 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	9/12/2003	7055	0.12	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N

Buffalo National River
Route 0903
Cabin 13 and 14 Parking
From End of Route 0215 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	9/12/2003	1503	0.03	OC	POOR / 45

* Lane miles are based on 11' lane widths

100 50 0 100 Feet

N

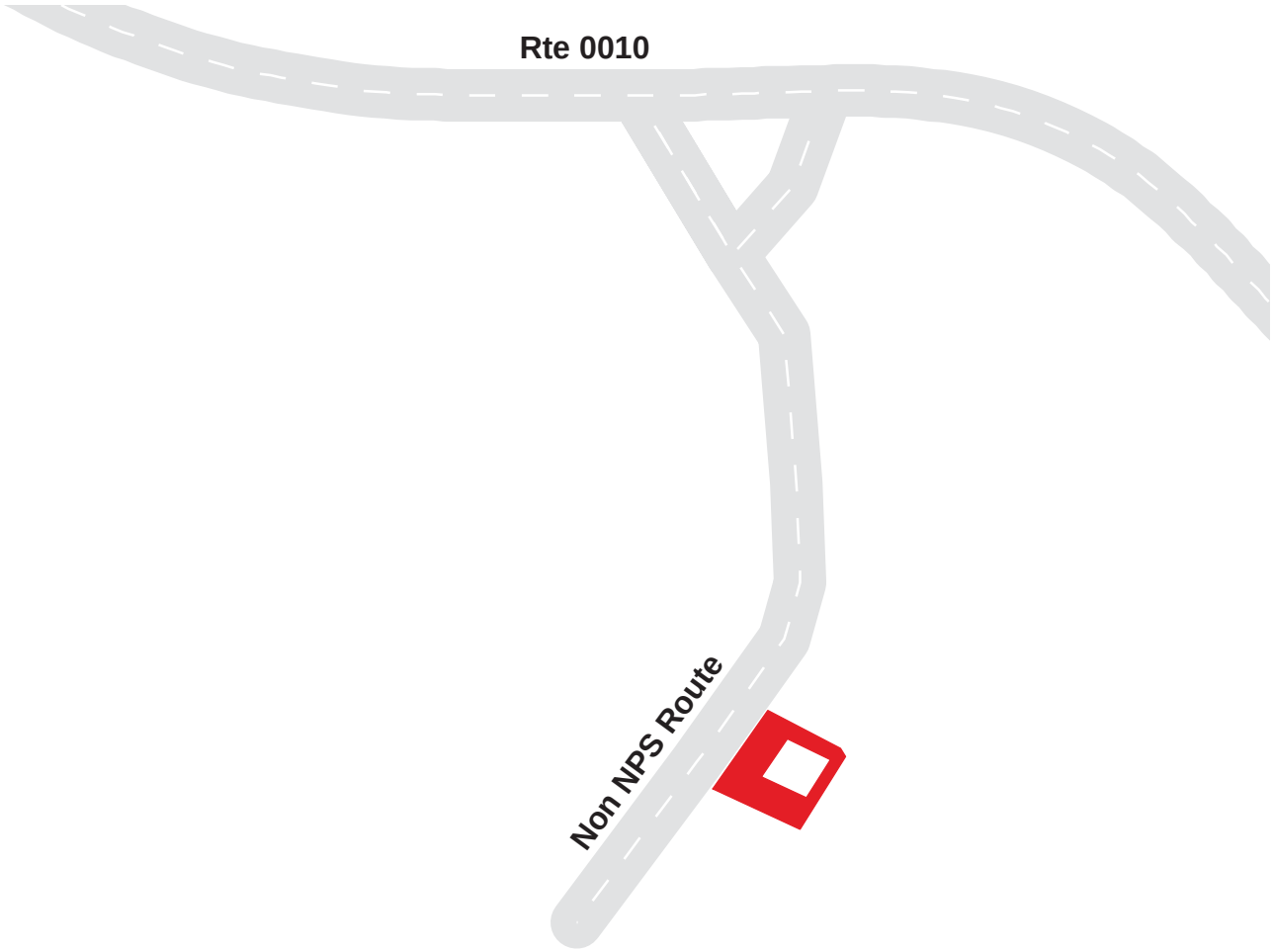
Buffalo National River
Route 0905

Fire Cache Parking

From Non NPS Unpaved Route on right near beginning of Route 0010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	9/12/2003	12372	0.21	AS	FAIR / 73

* Lane miles are based on 11' lane widths



400 200 0 400
Feet

N

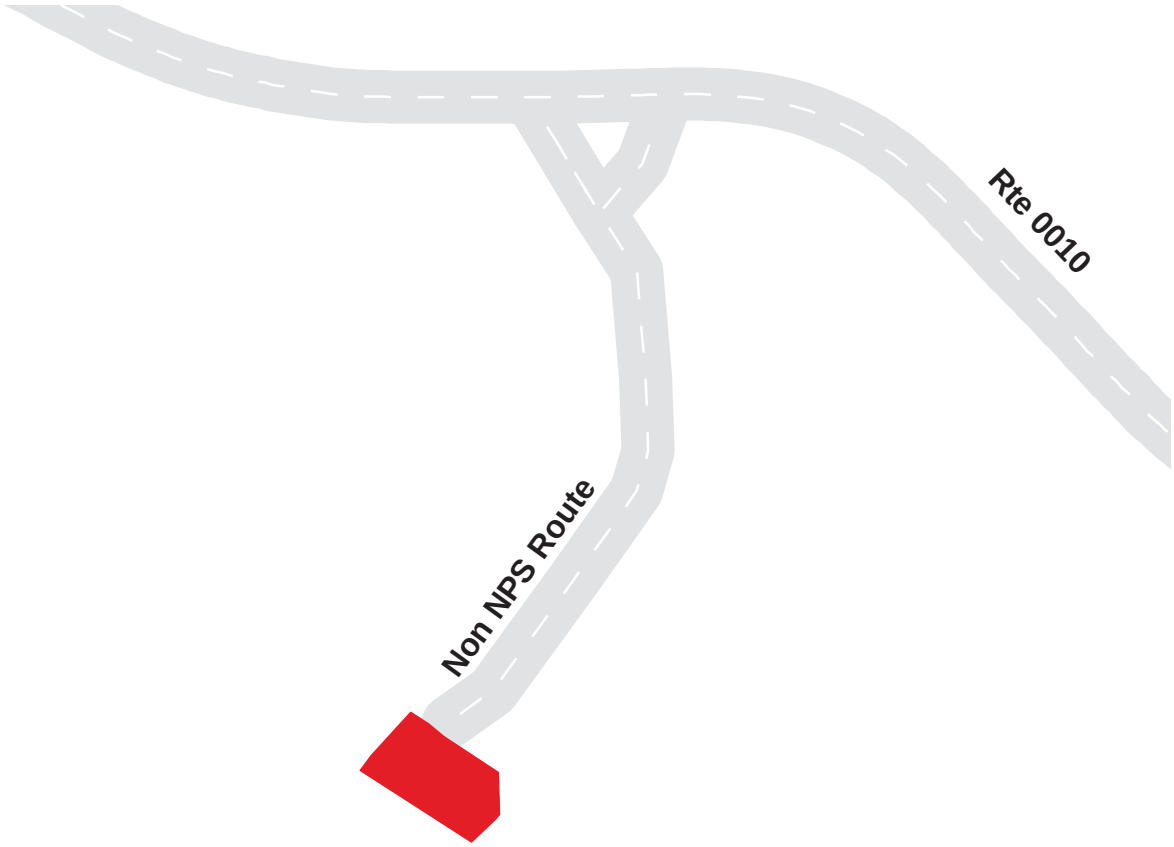
Buffalo National River
Route 0906

Buffalo Point Maintenance Parking

From Non NPS Unpaved Route off of Route 0010, at end.

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	NonPublic	9/12/2003	34851	0.60	AS	FAIR / 73

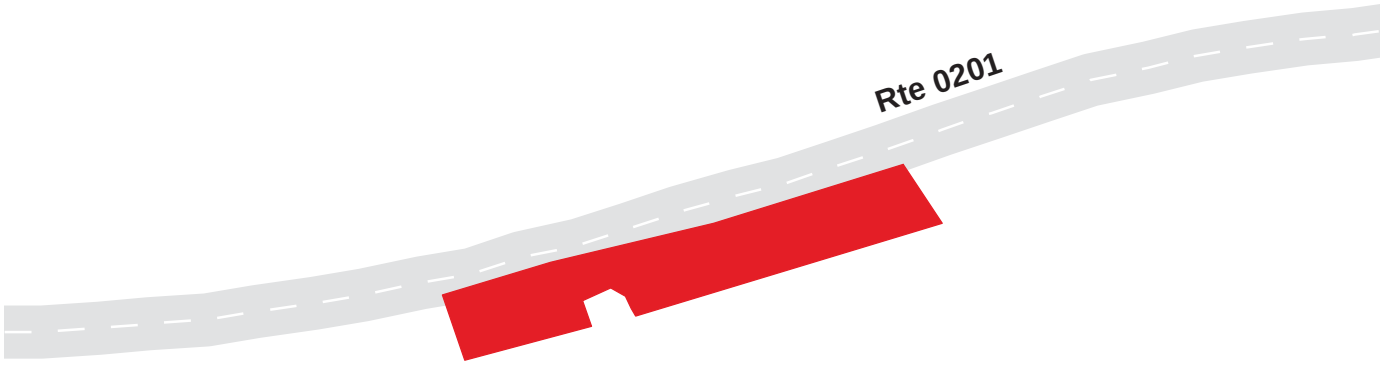
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0907
Modern Cabins Parking A
From Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	9/12/2003	2975	0.05	OC	POOR / 45

* Lane miles are based on 11' lane widths



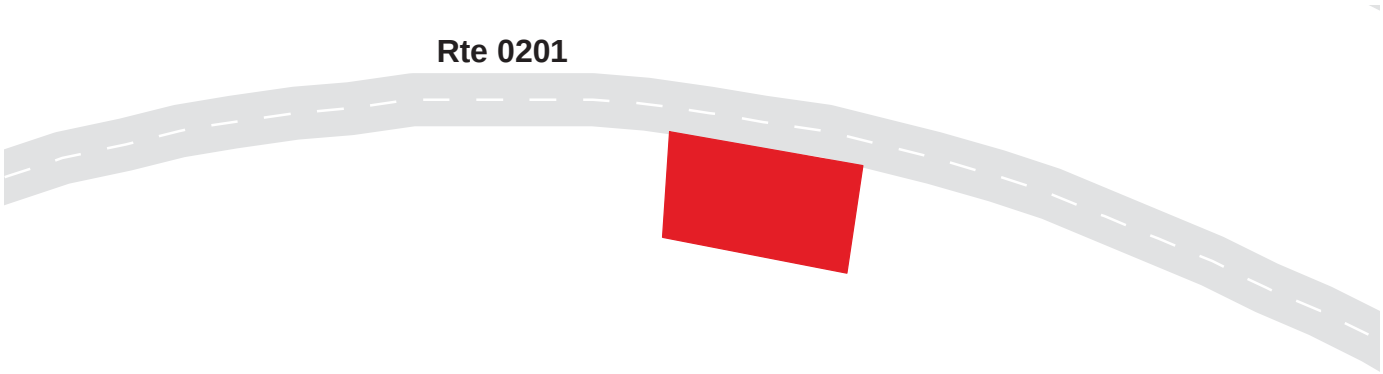
100 50 0 100 Feet

N

Buffalo National River
Route 0908
Modern Cabins Parking B
From Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	9/12/2003	1592	0.03	OC	POOR / 45

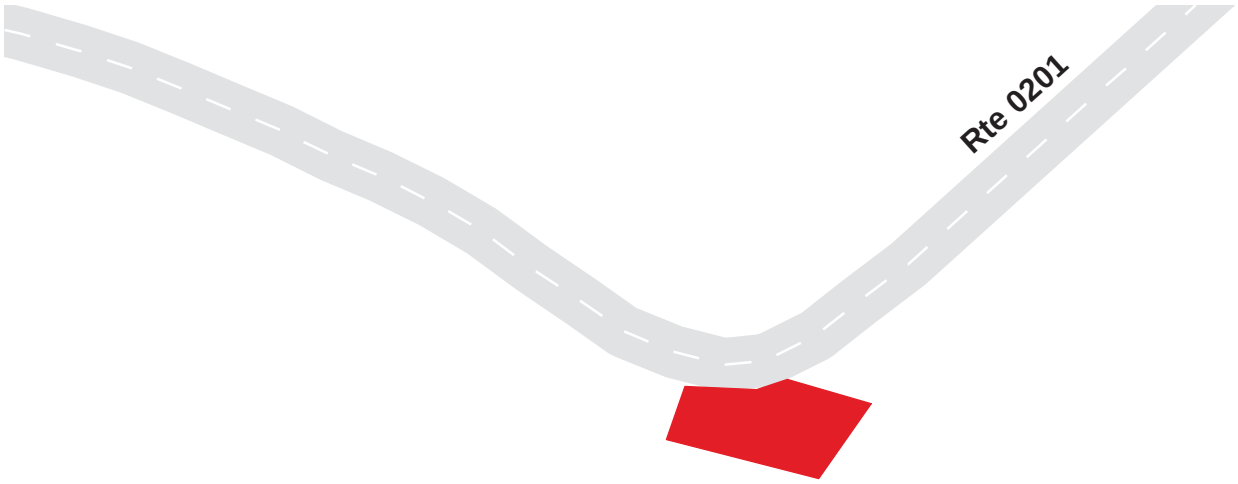
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0909
Modern Cabins Parking C
From Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	9/12/2003	1158	0.02	OC	POOR / 45

* Lane miles are based on 11' lane widths



Buffalo National River
Route 0913
Tyler Bend Visitor Center Parking
From Route 0220

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	9/12/2003	14414	0.25	AS	GOOD / 90

* Lane miles are based on 11' lane widths

100 50 0 100
Feet

N

7-10

Buffalo National River
Route 0914
Tyler Bend Pavilion/Picnic Parking
At End of Route 0011

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	9/12/2003	59274	1.02	AS	GOOD / 90

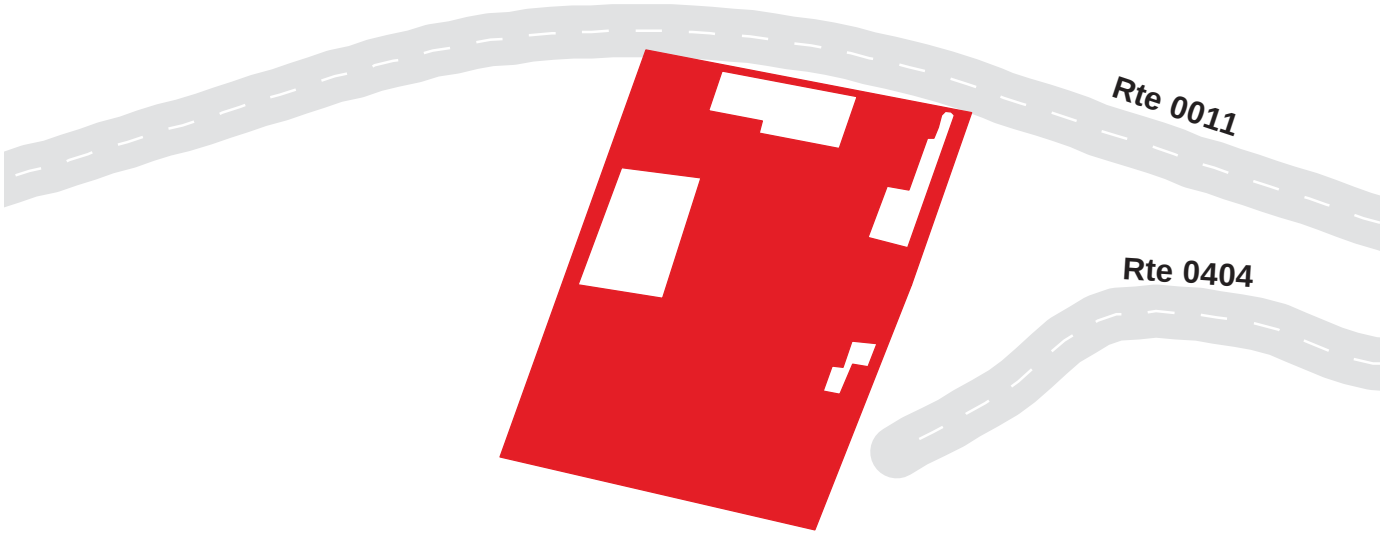
* Lane miles are based on 11' lane widths

7-11

Buffalo National River
Route 0915
Tyler Bend Maintenance Parking
From Route 0011

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	NonPublic	9/12/2003	81804	1.41	AS	FAIR / 73

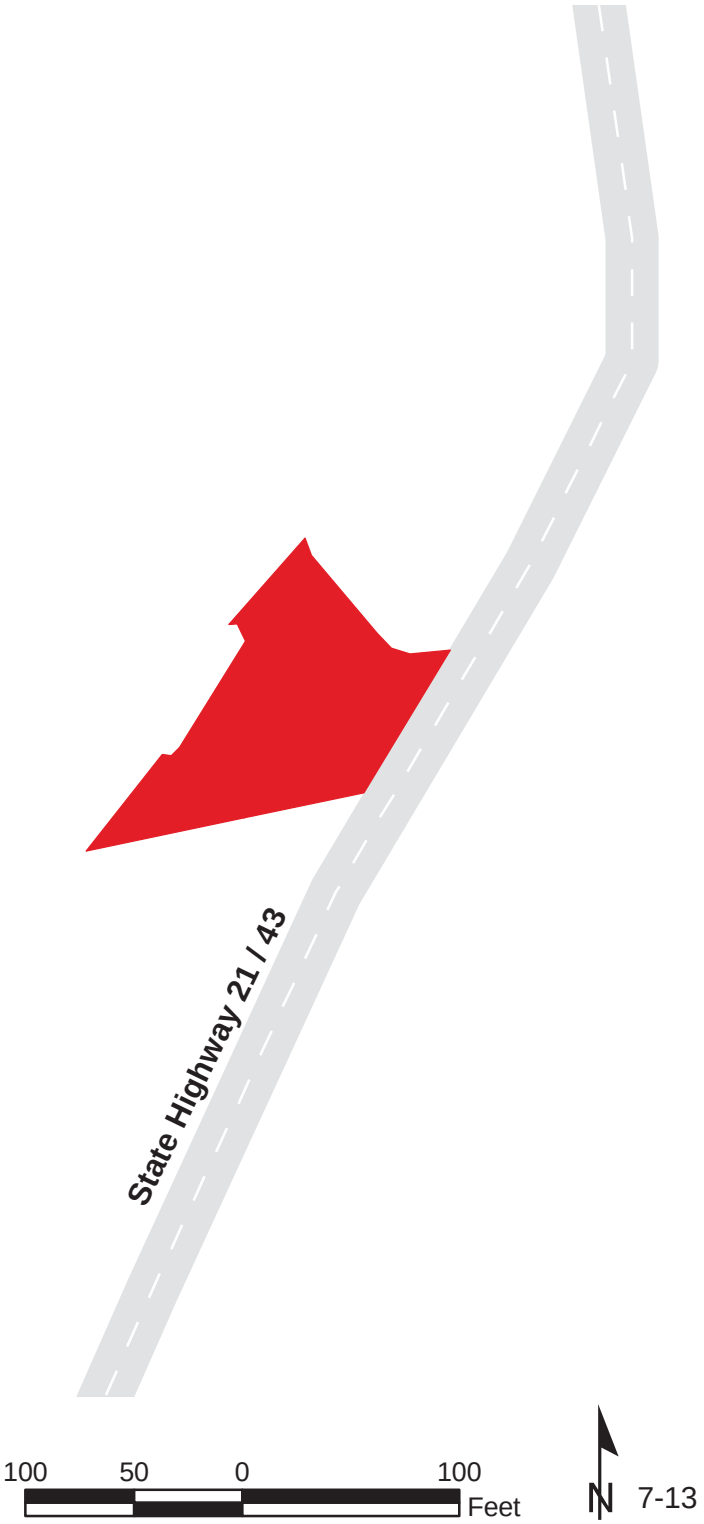
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0916
Boxley Valley Overlook Parking
From State Highway 21 / 43

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	9/12/2003	8043	0.14	AS	POOR / 45

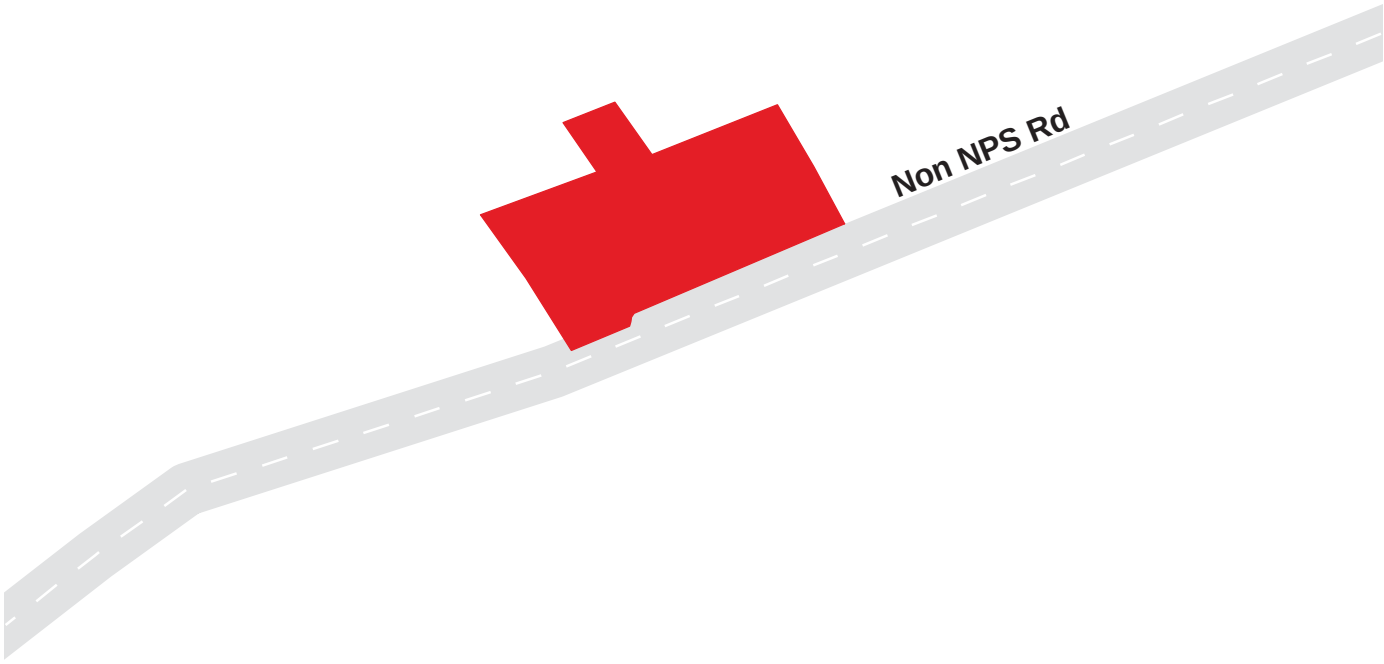
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0917
Pruitt Maintenance Parking
From Non NPS Gravel Road

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	NonPublic	9/12/2003	30660	0.53	AS	FAIR / 73

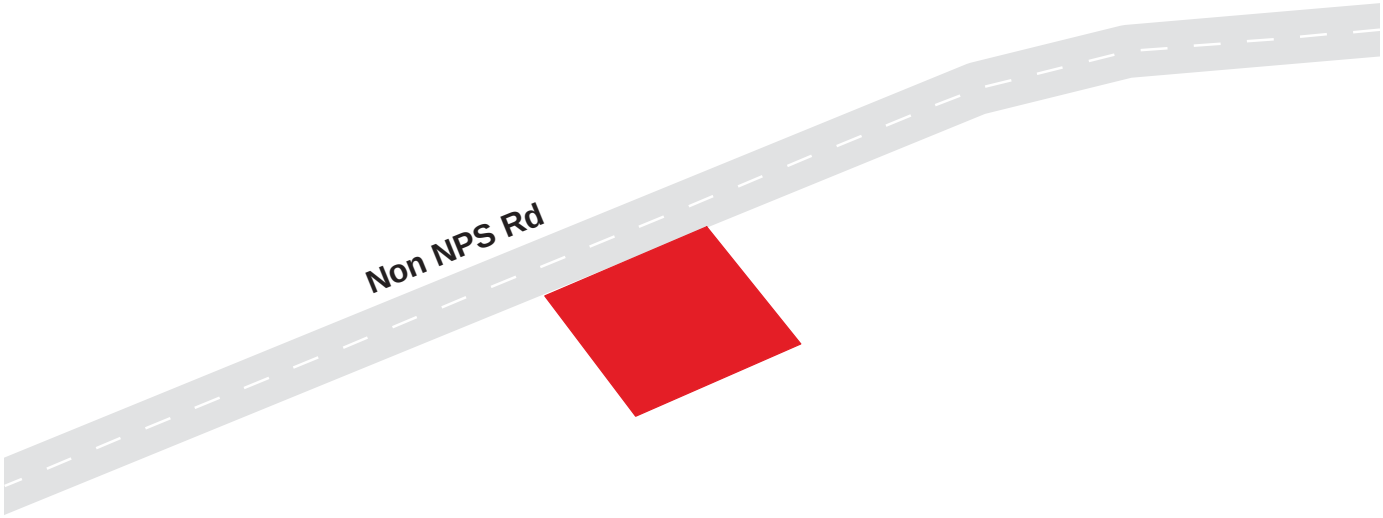
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0918
Pruitt Fire Cache Parking
From Non NPS Gravel Road

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	NonPublic	9/12/2003	14361	0.25	AS	GOOD / 90

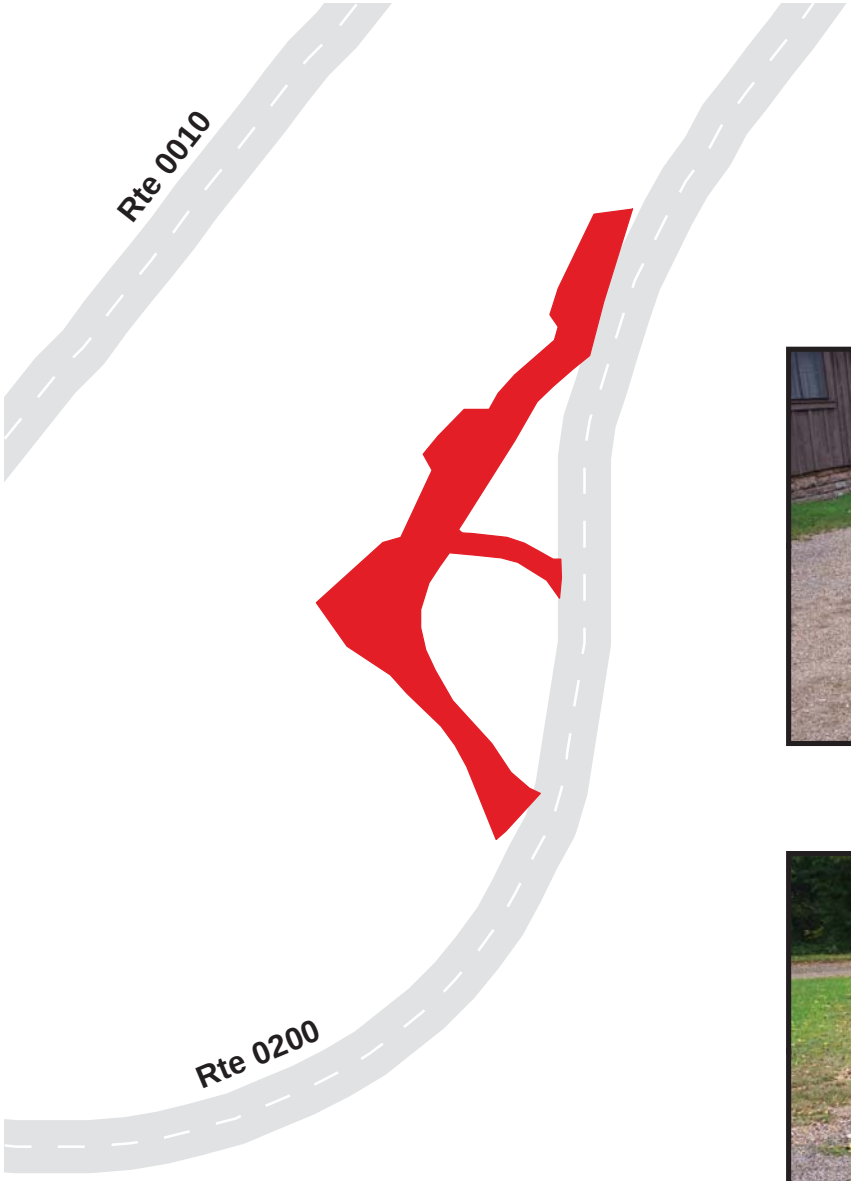
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0919
Cabin Office / Rustic Cabins 4 and 5 Parking Area
From Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	9/12/2003	7457	0.13	OC	POOR / 45

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

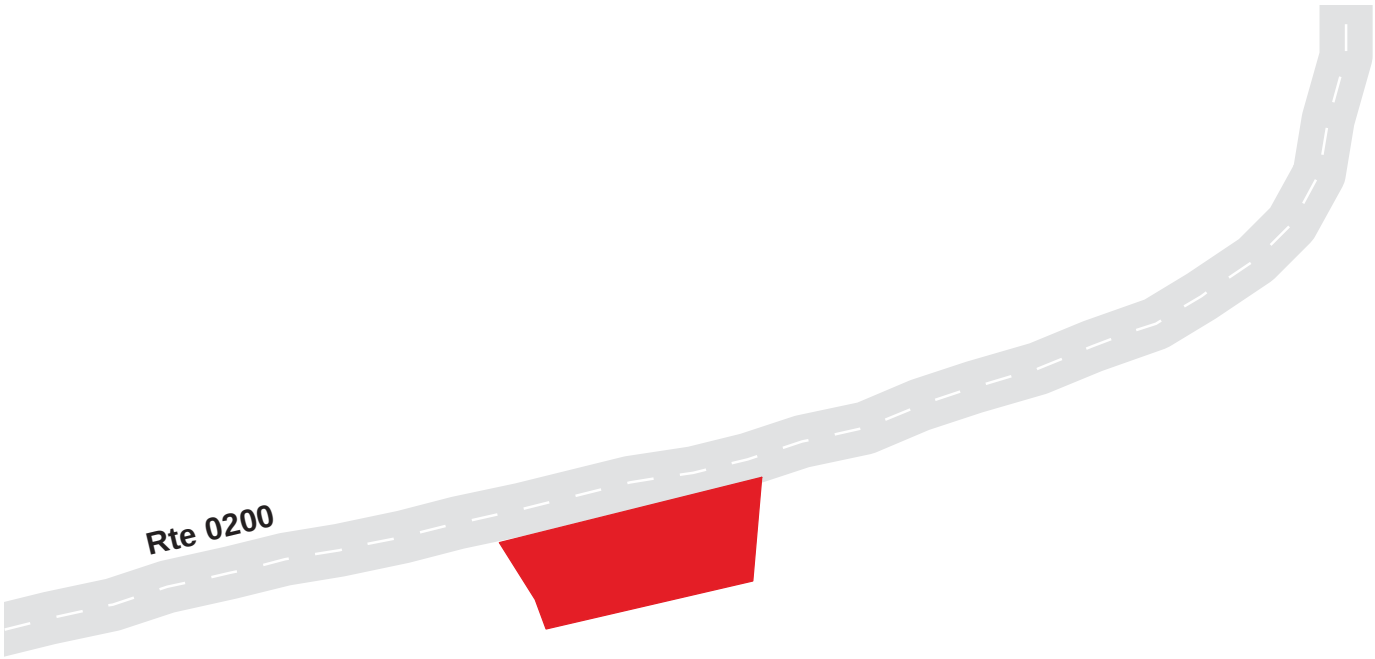
N

7-16

Buffalo National River
Route 0920
Rustic Cabins 1, 2 and 3 Parking Area
From Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	9/12/2003	1763	0.03	OC	FAIR / 73

* Lane miles are based on 11' lane widths



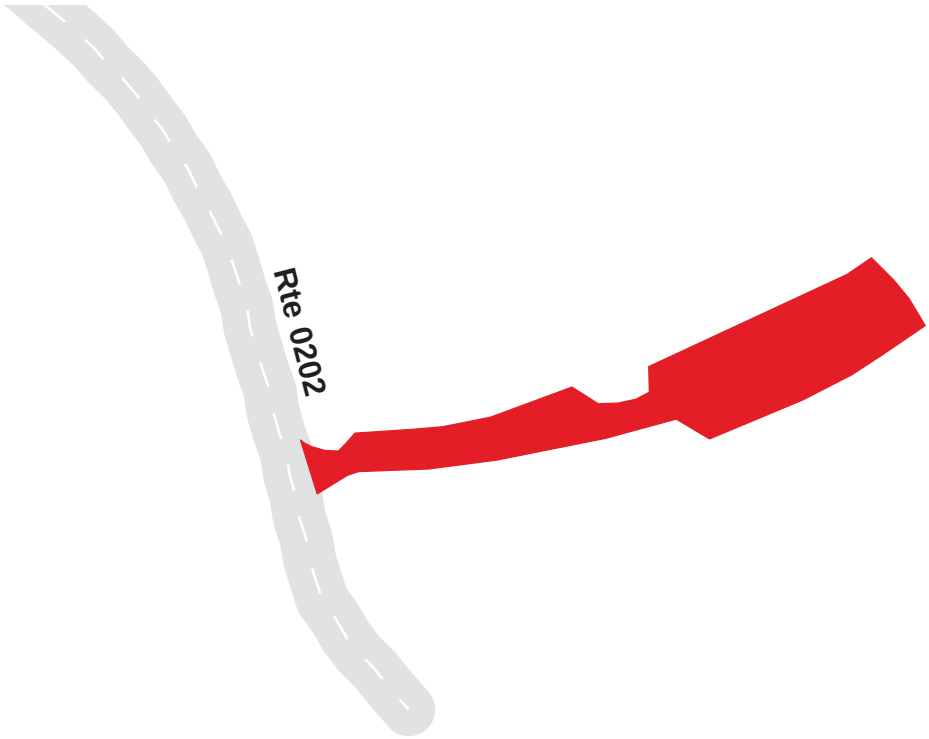
100 50 0 100
Feet

N

Buffalo National River
Route 0921
Group 1, 2, 5 and Pavilion Parking Area
From Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	9/12/2003	22009	0.38	OC	POOR / 45

* Lane miles are based on 11' lane widths

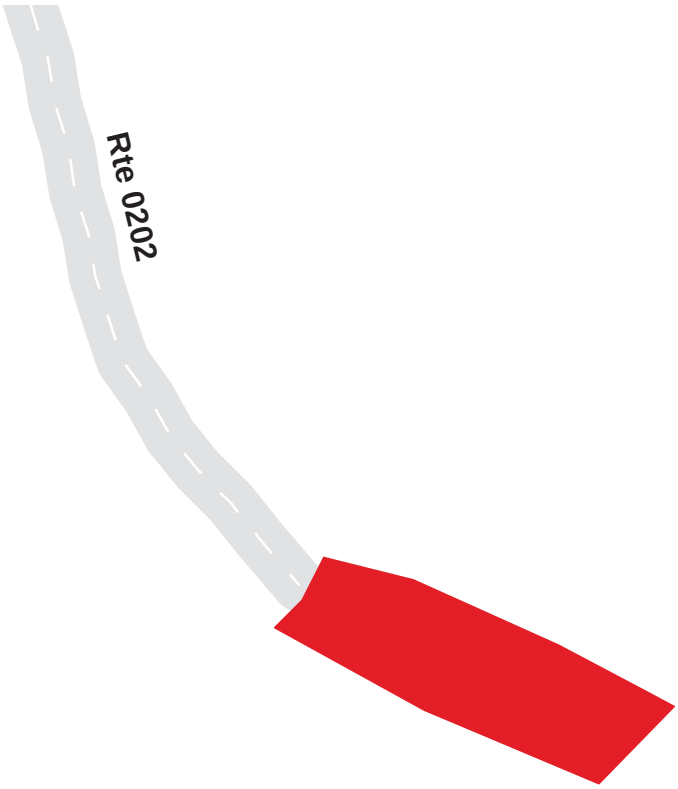


200 100 0 200
Feet

Buffalo National River
Route 0922
Group 3 and 4 Parking Area
From Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	9/12/2003	5319	0.09	OC	POOR / 45

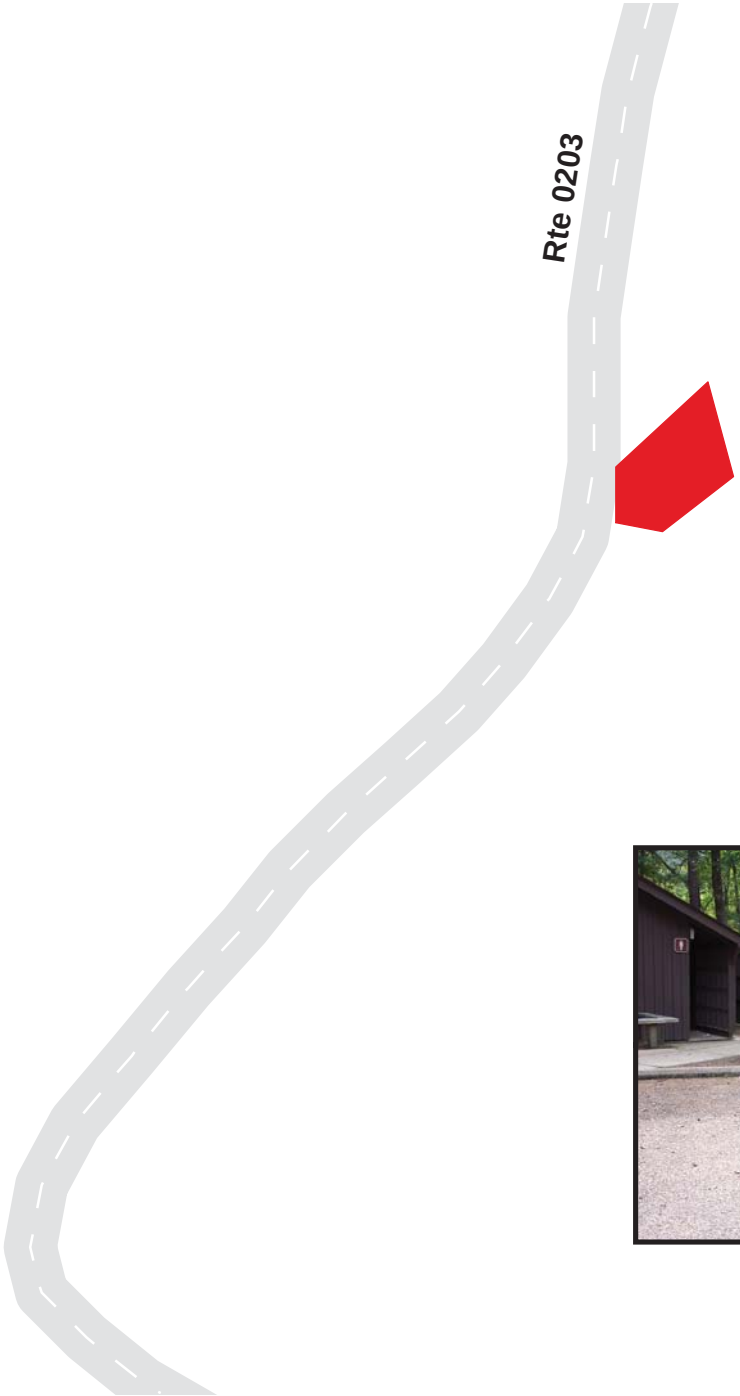
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0923
Buffalo Point Campground Loop A Bathroom Parking
From Route 0203

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	9/12/2003	509	0.01	OC	FAIR / 73

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

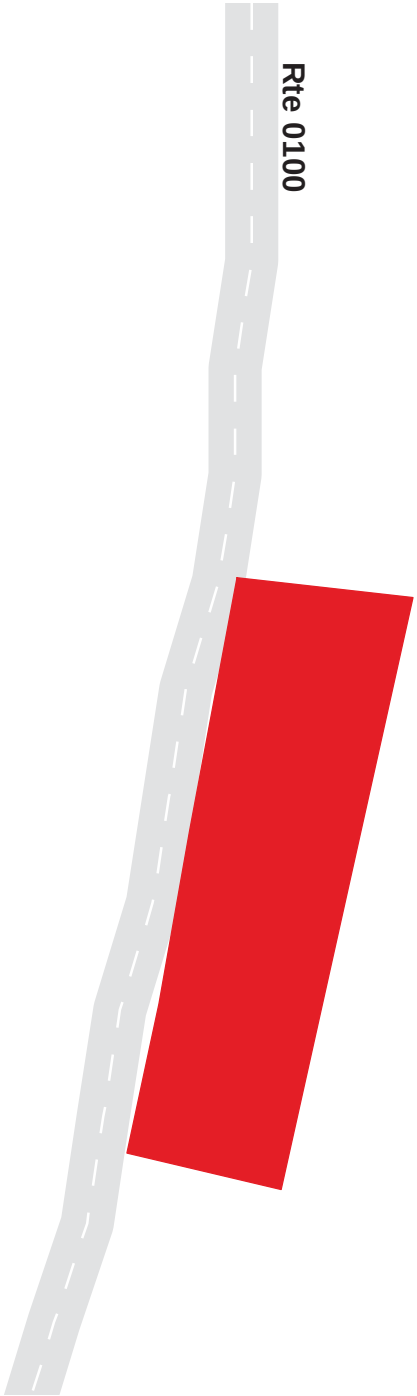
N

7-20

Buffalo National River
Route 0924
Buffalo Point Boat Launch Bathroom Parking
From Route 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	9/12/2003	2286	0.04	OC	FAIR / 73

* Lane miles are based on 11' lane widths



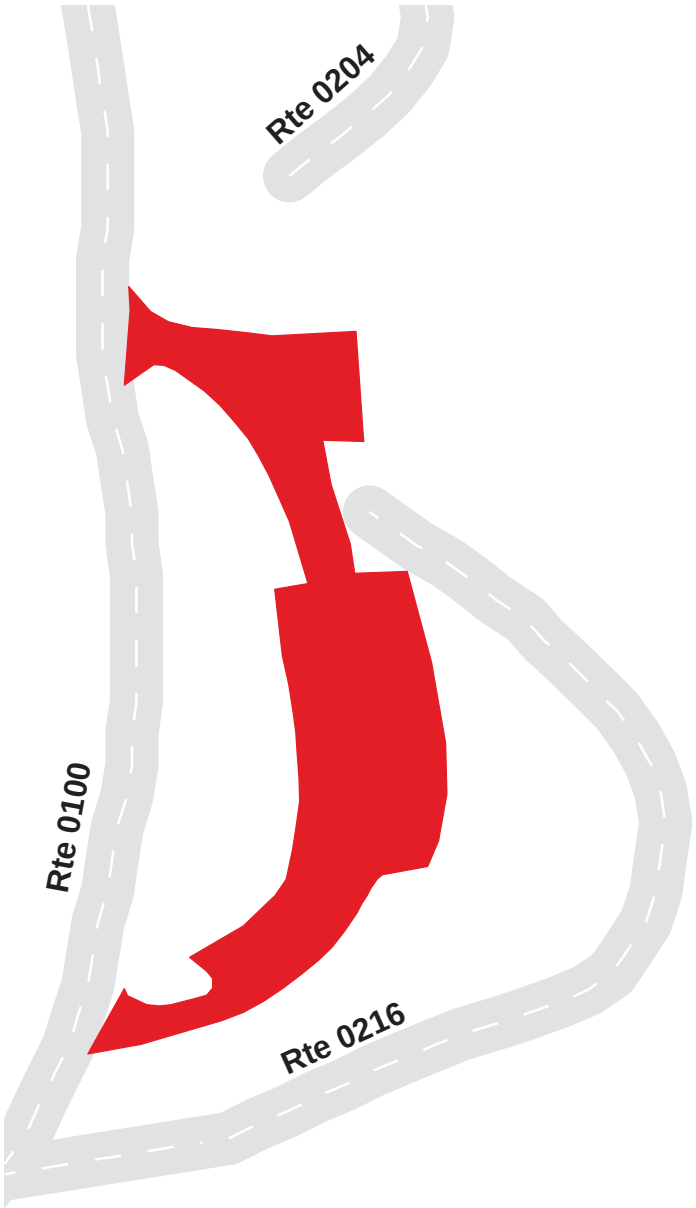
50 25 0 50 Feet

N

Buffalo National River
Route 0925
Buffalo Point Boat Launch Parking
From Route 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	9/12/2003	23430	0.40	OC	FAIR / 73

* Lane miles are based on 11' lane widths



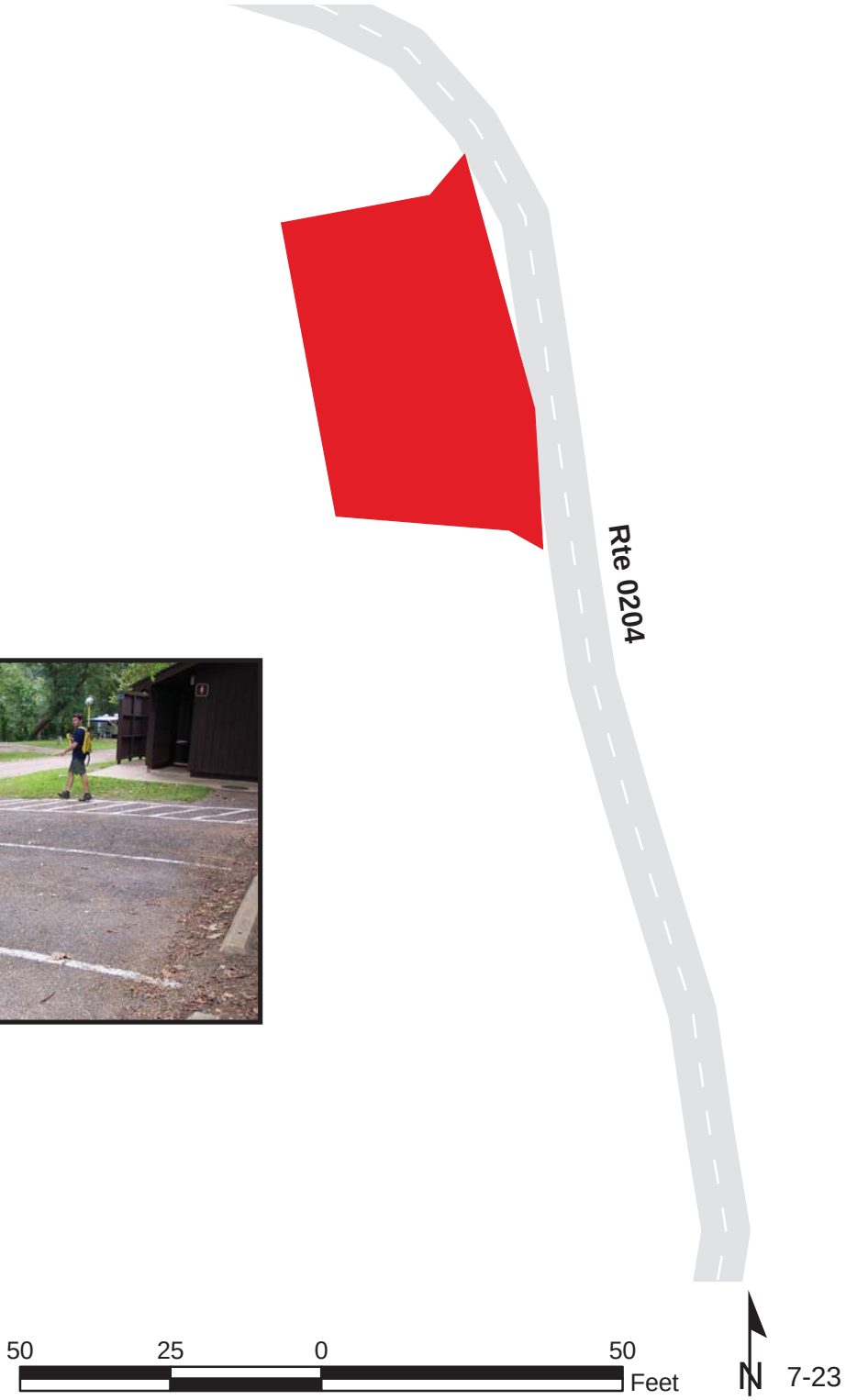
150 75 0 150
Feet

N

Buffalo National River
Route 0926
Buffalo Point Campground Loop B Bathroom Parking
From Route 0204

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	9/12/2003	1516	0.03	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Buffalo National River
Route 0927
Buffalo Point Pavilion 2 Parking
From Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	9/12/2003	8884	0.15	OC	FAIR / 73

* Lane miles are based on 11' lane widths

100 50 0 100
Feet

N

7-24

Buffalo National River
Route 0928
Buffalo Point Information Parking
From Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	9/12/2003	1885	0.03	OC	FAIR / 73

* Lane miles are based on 11' lane widths

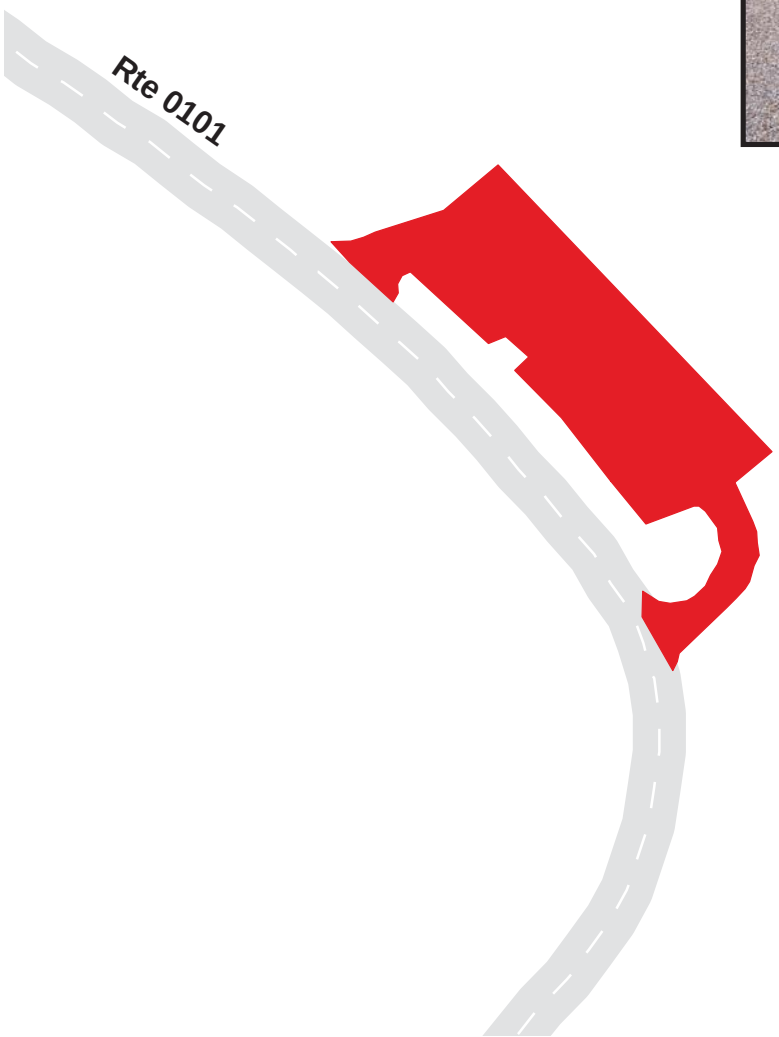
100 50 0 100 Feet

N

Buffalo National River
Route 0929
Buffalo Point Tent Camping Parking
From Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	Public	9/12/2003	13267	0.23	OC	FAIR / 73

* Lane miles are based on 11' lane widths



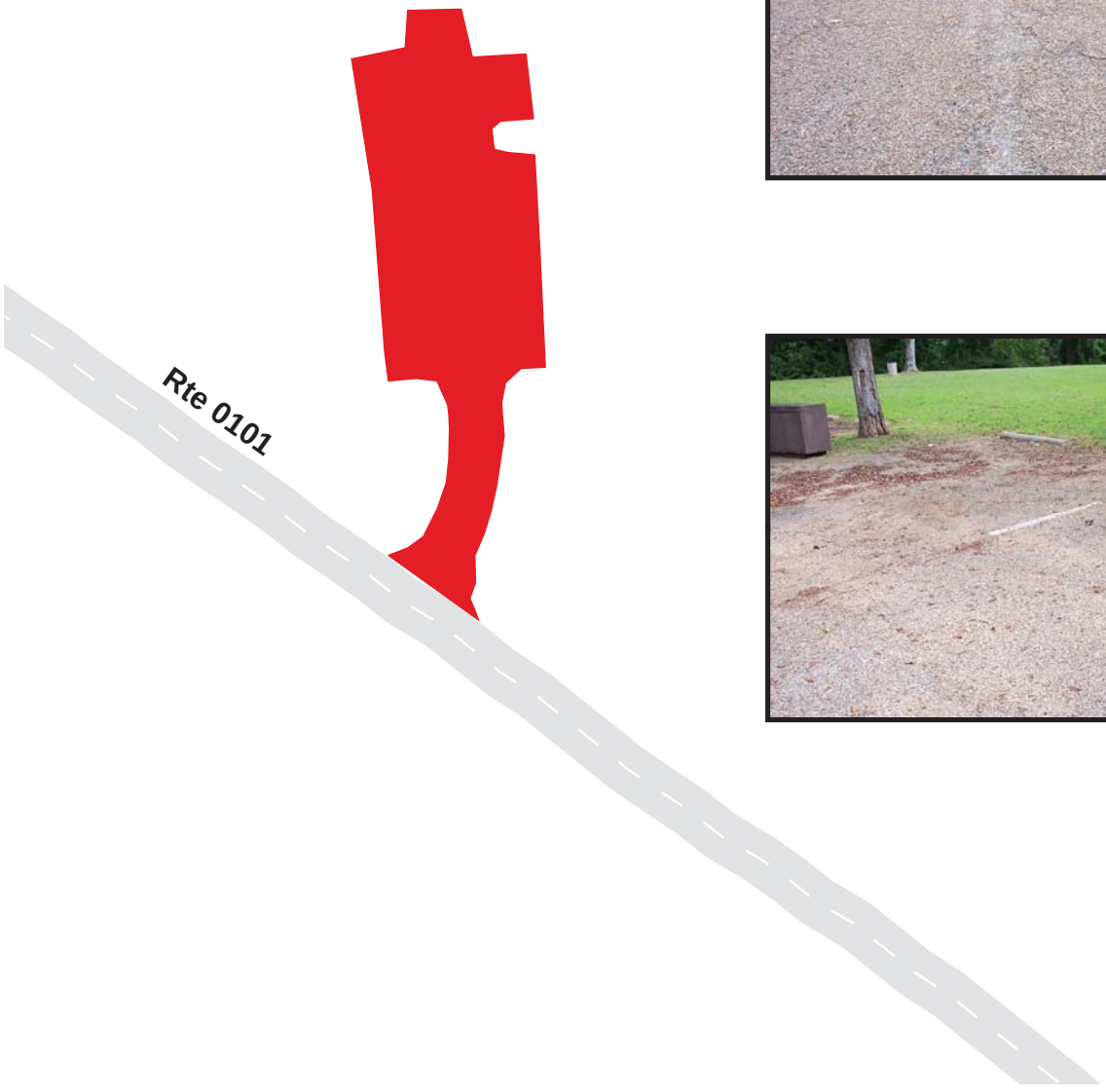
150 75 0 150
Feet

N

Buffalo National River
Route 0930
Buffalo Point Pavilion 3 Parking
From Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	9/12/2003	11778	0.20	OC	FAIR / 73

* Lane miles are based on 11' lane widths



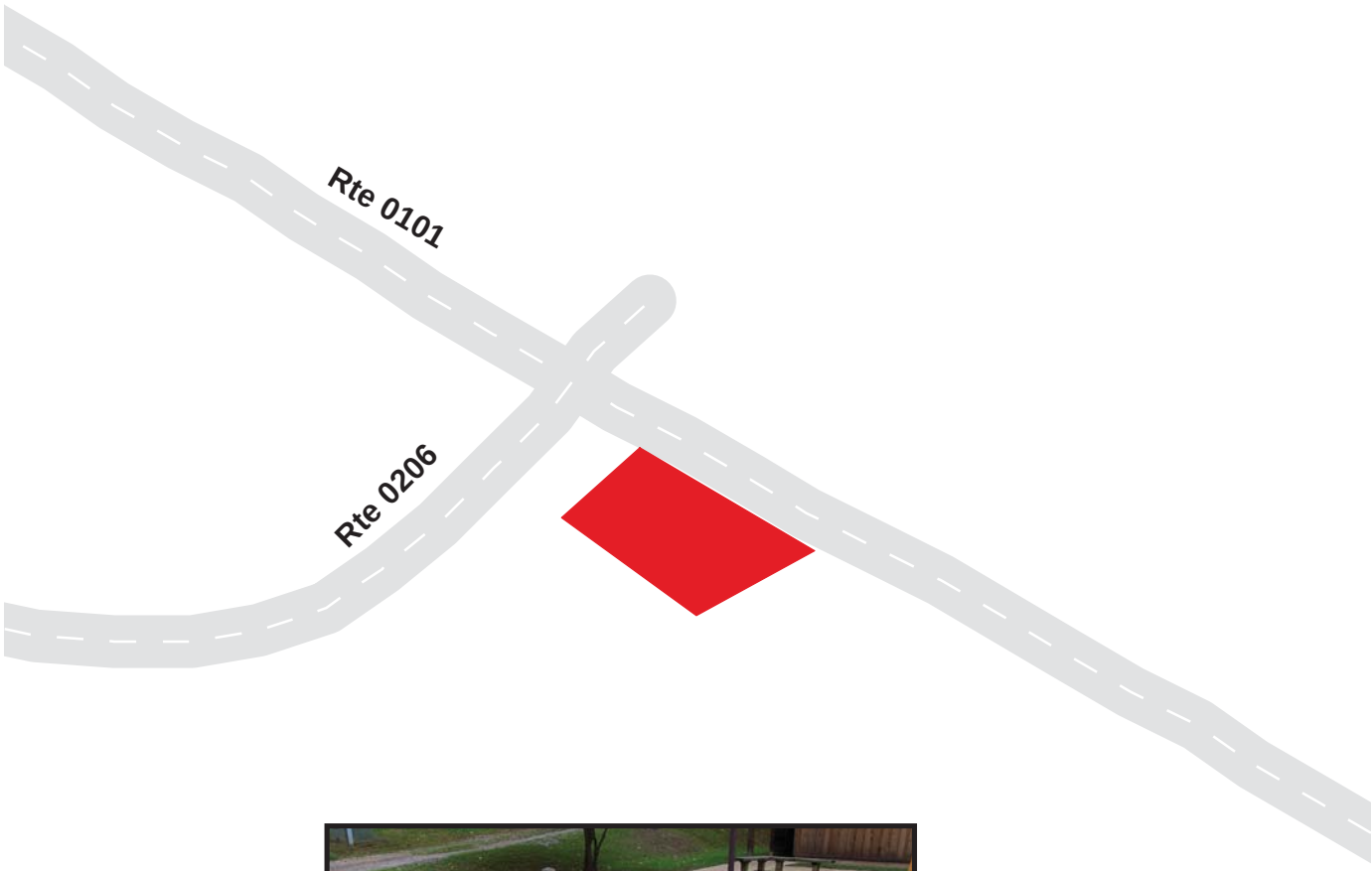
100 50 0 100
Feet

N

Buffalo National River
Route 0931
Buffalo Point Loop D Bathroom and Feestation Parking
From Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	9/12/2003	1016	0.02	OC	FAIR / 73

* Lane miles are based on 11' lane widths



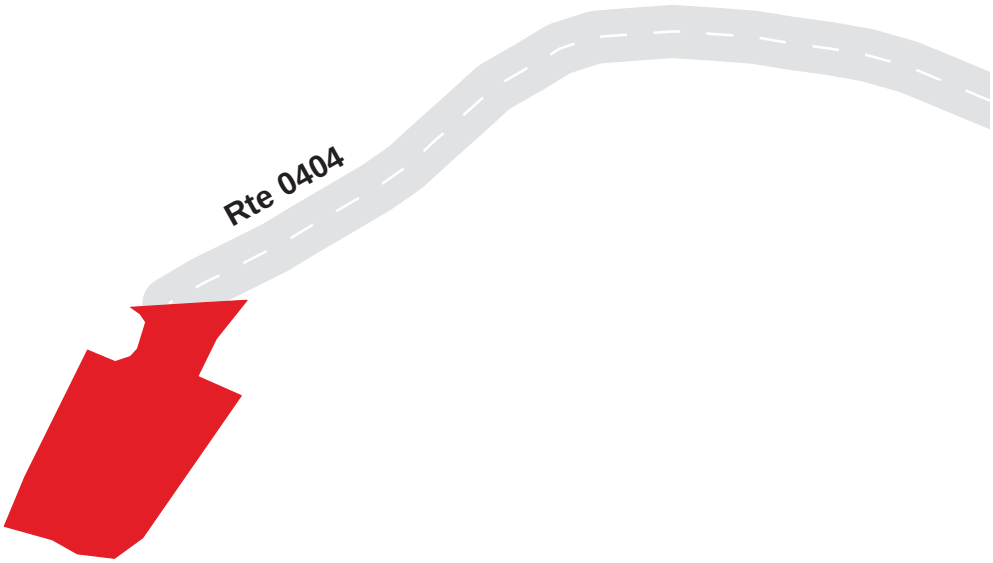
50 25 0 50
Feet

N

Buffalo National River
Route 0932
Tyler Bend Maintenance Dumpster Parking
From Route 0404

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	NonPublic	9/12/2003	6019	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



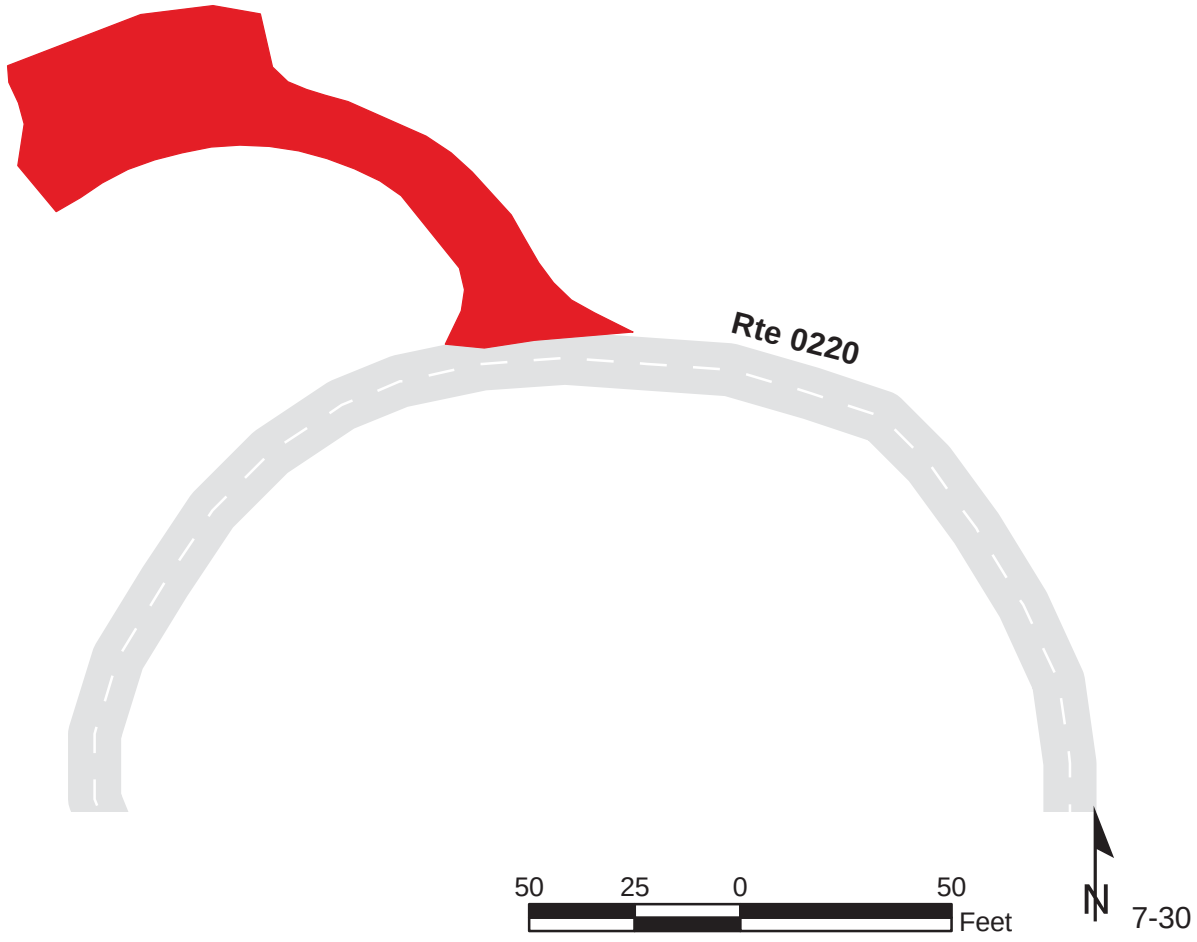
100 50 0 100
Feet

N

Buffalo National River
Route 0933
Tyler Bend Administrative Parking
From Route 0220

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	NonPublic	9/12/2003	2924	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths

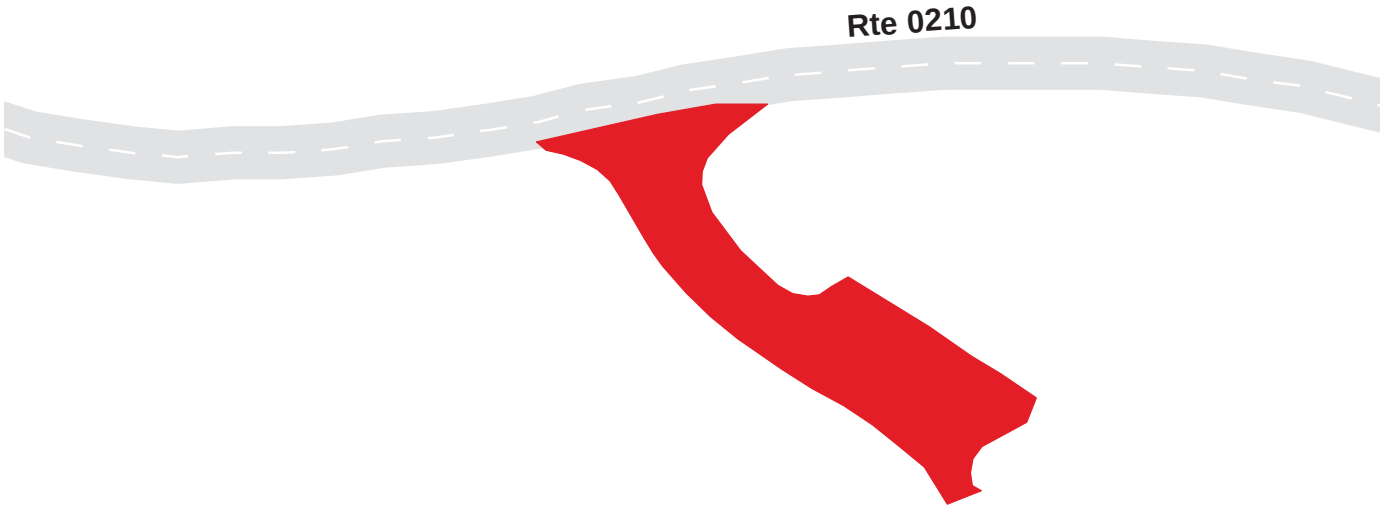


7-30

Buffalo National River
Route 0934
Tyler Bend Upper Amphitheather Parking
From Route 0210

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	9/12/2003	5282	0.09	AS	GOOD / 90

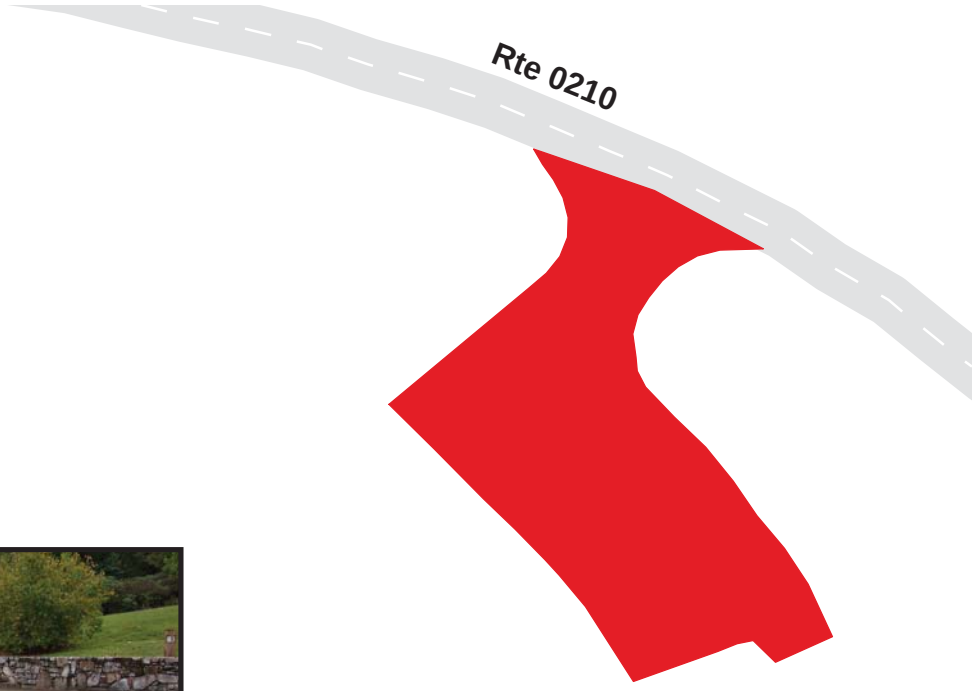
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0935
Tyler Bend Lower Amphitheather Parking
From Route 0210

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	9/12/2003	6775	0.12	AS	GOOD / 90

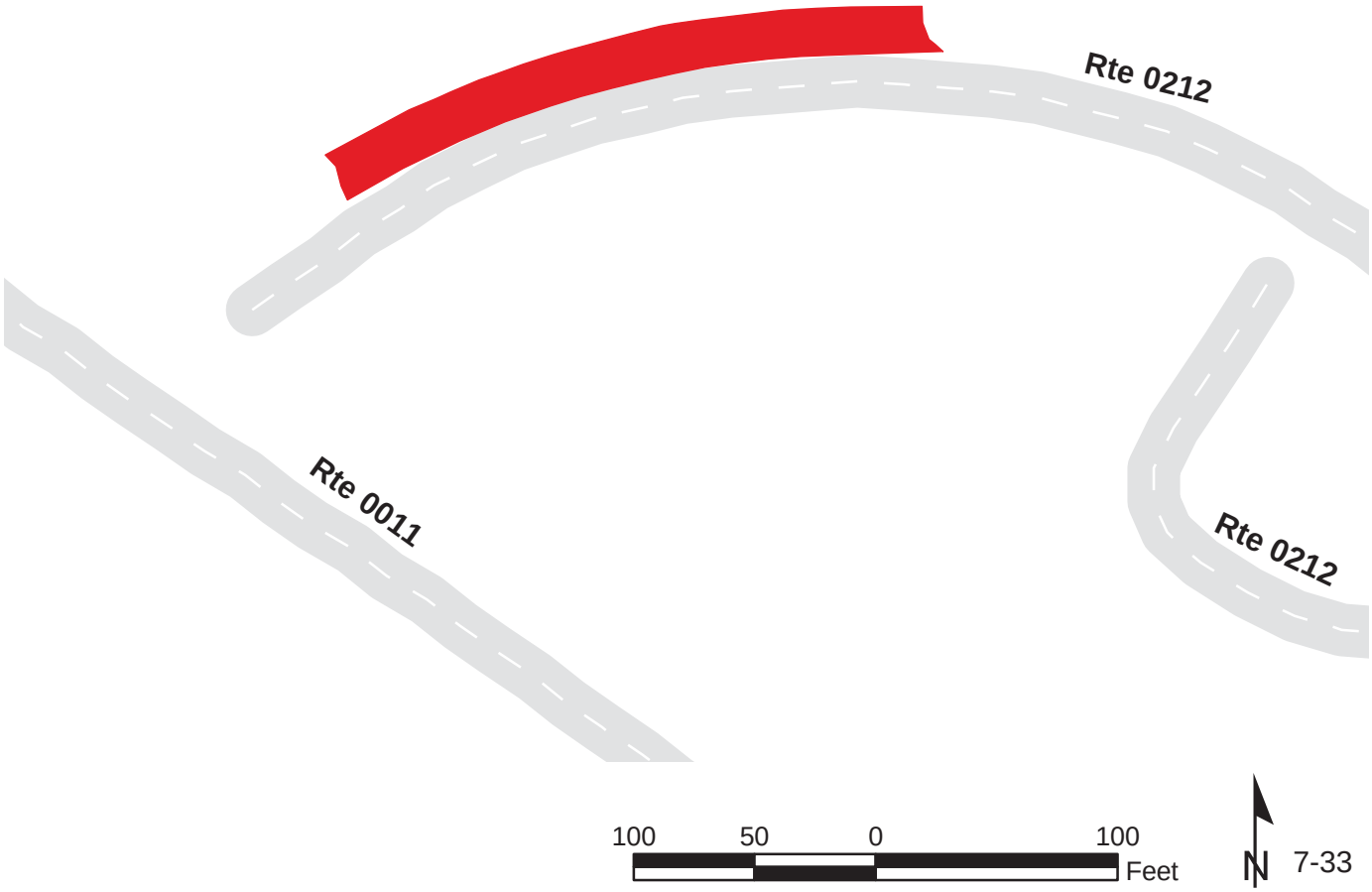
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0936
Tyler Bend Group Campsite Parking A
From Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	9/12/2003	4100	0.07	AS	GOOD / 90

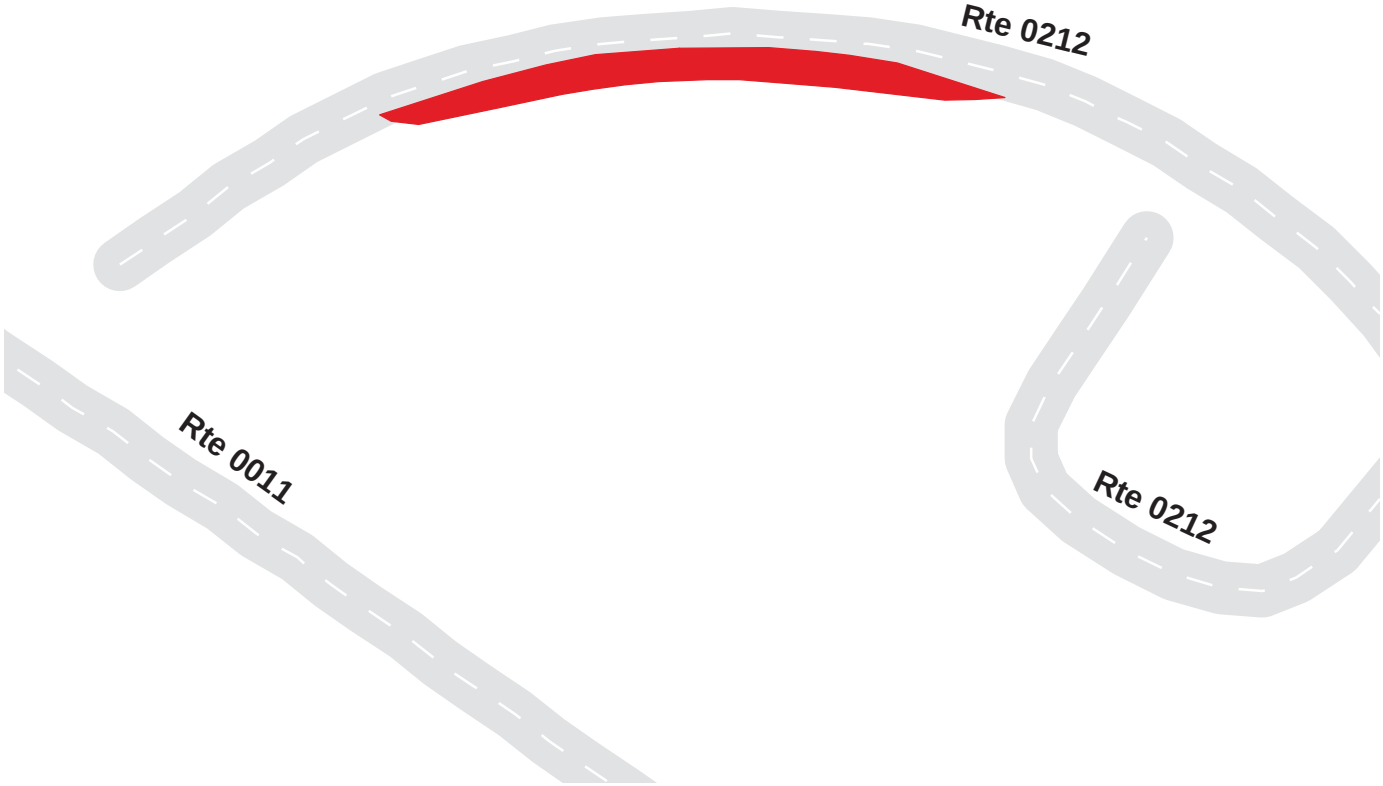
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0937
Tyler Bend Group Campsite Parking B
From Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	9/12/2003	2380	0.04	AS	GOOD / 90

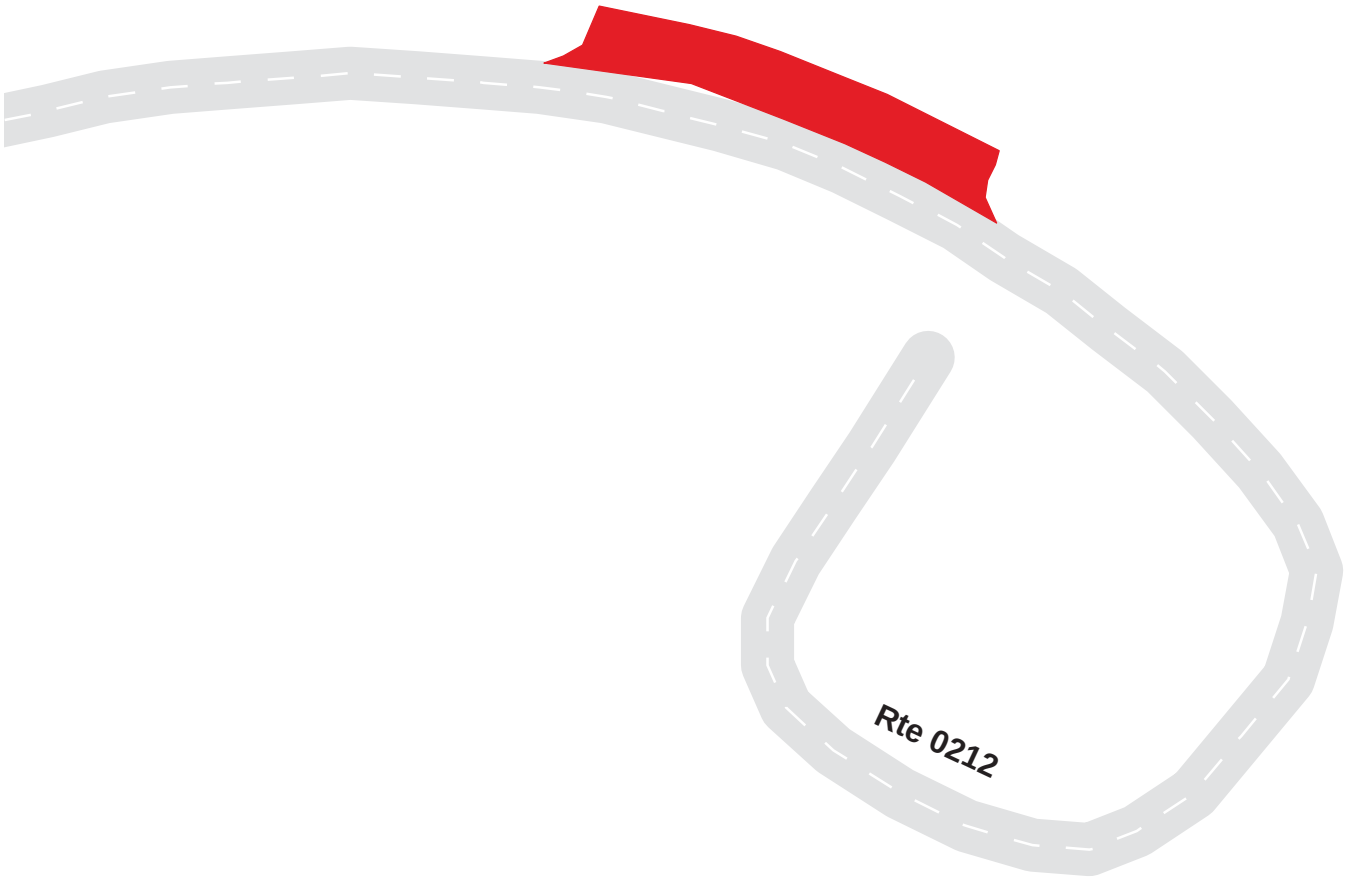
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0938
Tyler Bend Group Campsite Parking C
From Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	Public	9/12/2003	1880	0.03	AS	GOOD / 90

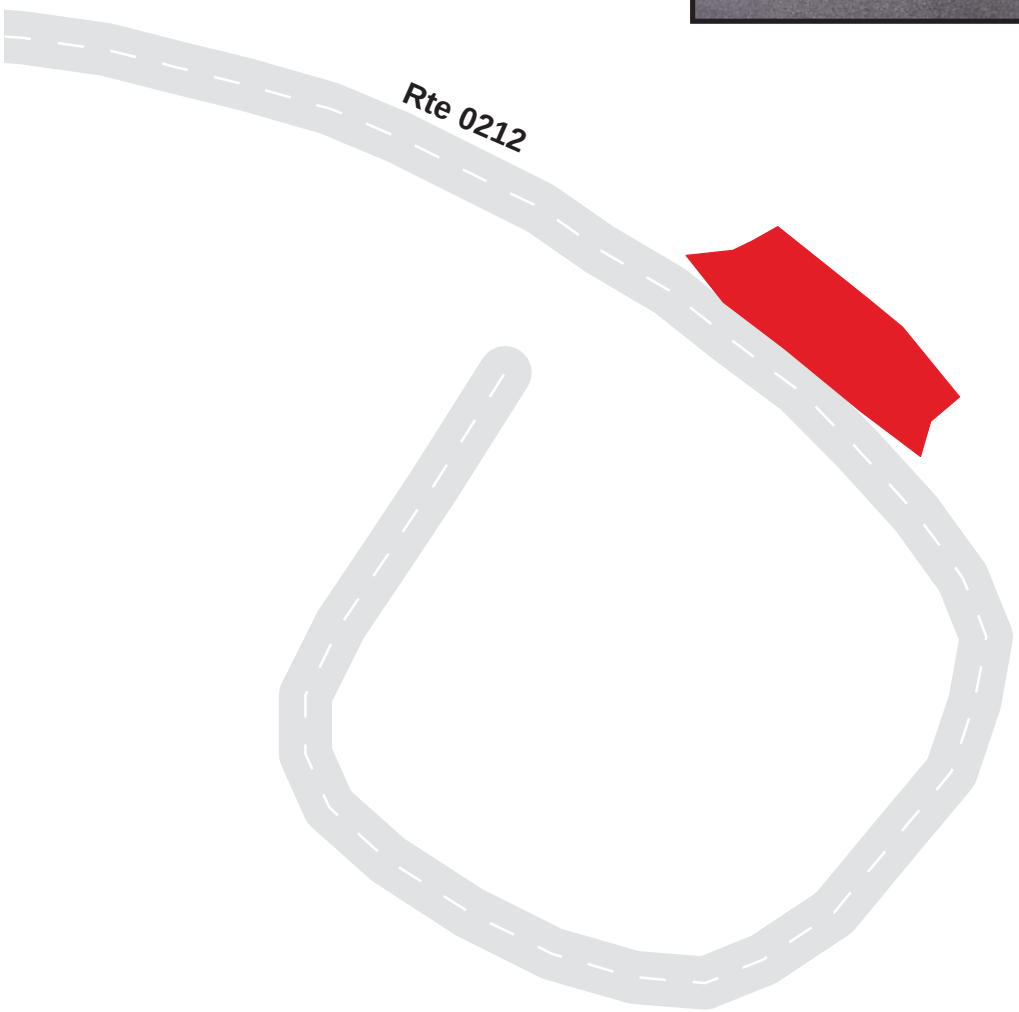
* Lane miles are based on 11' lane widths



Buffalo National River
Route 0939
Tyler Bend Group Campsite Parking D
From Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0939	Public	9/12/2003	1078	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



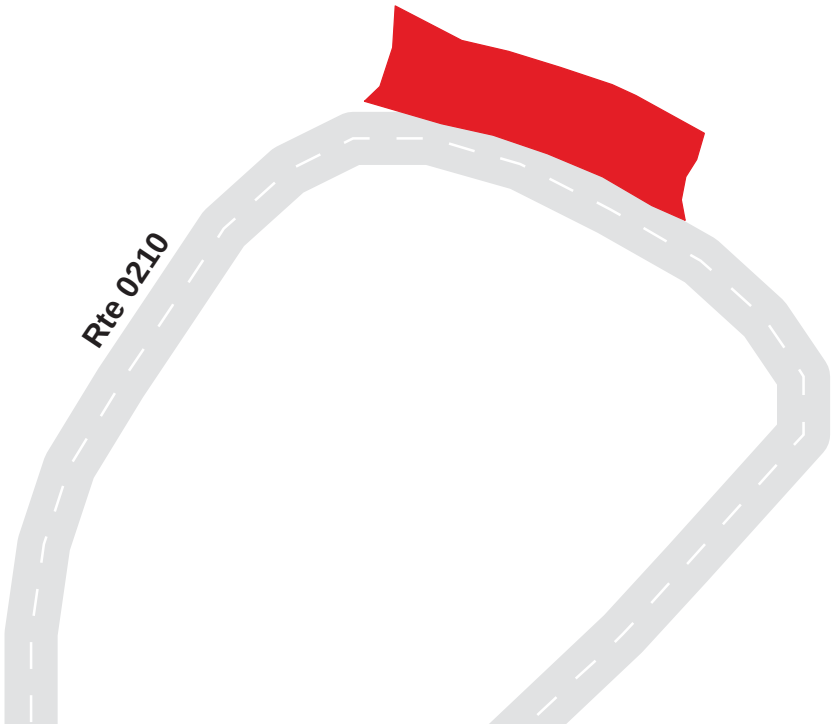
50 25 0 50 Feet

N

Buffalo National River
Route 0940
Tyler Bend Walkin Campsite Parking A
From Route 0210

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940	Public	9/12/2003	1086	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



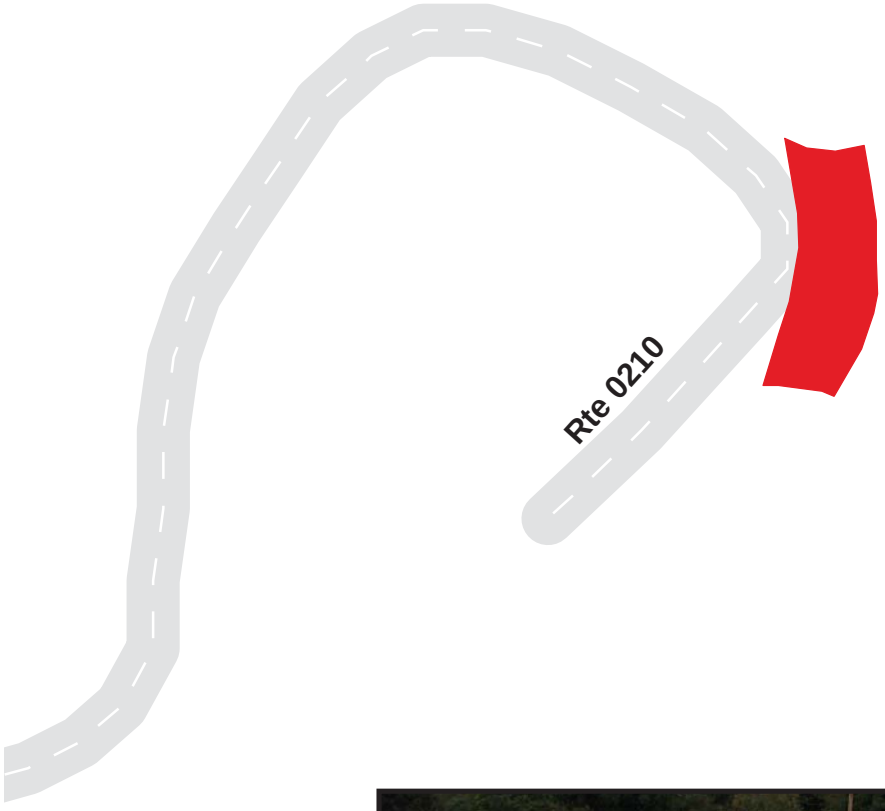
50 25 0 50
Feet

N

Buffalo National River
Route 0941
Tyler Bend Walkin Campsite Parking B
From Route 0210

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941	Public	9/12/2003	1144	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



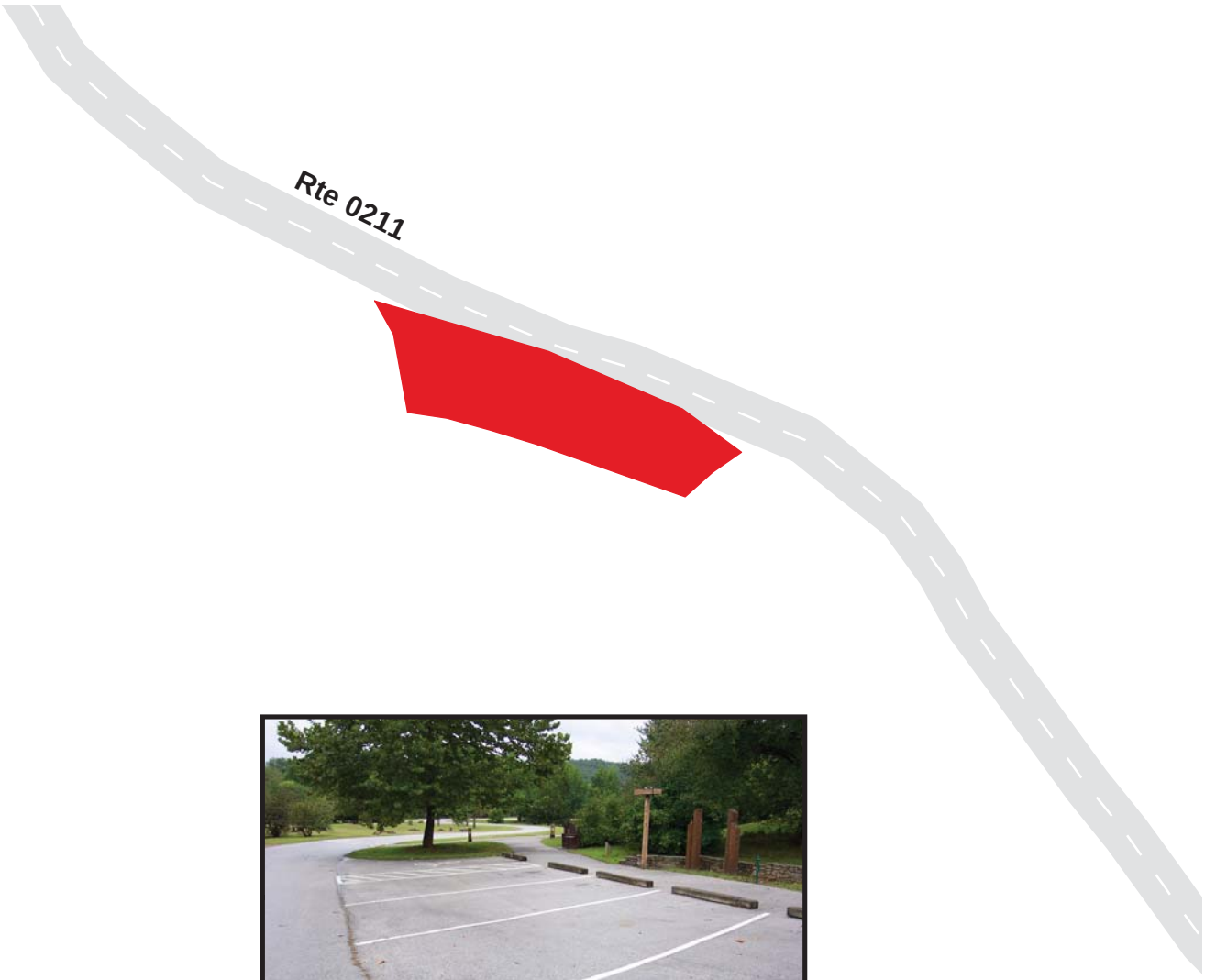
50 25 0 50 Feet

N

Buffalo National River
Route 0942
Tyler Bend Campground Loop B Bathroom Parking
From Route 0211

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0942	Public	9/12/2003	1967	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

N

BUFF: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	*PARK TOTAL*	*UNIT*
BRIDGE	0	EACH
CATTLE GUARD	0	EACH
CULVERT	42	EACH
CURB	813	LINEAR FEET
DROP INLET	3	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	887	LINEAR FEET
INTERSECTION	186	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	1	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 BUFFALO POINT ROAD	ROUTE 0011 TYLER BEND ROAD	ROUTE 0100 BUFFALO POINT RIVER ACCESS ROAD	ROUTE 0101 BUFFALO POINT CAMPGROUND ROAD	ROUTE 0102 LOST VALLEY ROAD	ROUTE 0200 RUSTIC CABIN LOOP	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	5	7	6	7	0	0	EACH
CURB	0	792	0	0	0	0	LINEAR FEET
DROP INLET	1	0	2	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	560	312	0	0	LINEAR FEET
INTERSECTION	16	17	13	14	1	9	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	1	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0201 MODERN CABIN LOOP	ROUTE 0202 MID LEVEL GROUP CAMPGROUND RD	ROUTE 0203 BUFFALO POINT CAMPROUND LOOP A	ROUTE 0204 BUFFALO POINT CAMPGROUND LOOP B	ROUTE 0205 BUFFALO POINT CAMPGROUND LOOP C	ROUTE 0206 BUFFALO POINT CAMPGROUND LOOP D	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	2	2	0	2	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	16	0	0	0	LINEAR FEET
INTERSECTION	6	4	4	5	3	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0207 BUFFALO POINT CAMPGROUND LOOP E	ROUTE 0209 BUFFALO POINT RV DUMP STATION	ROUTE 0210 TYLER BEND CAMPGROUND LOOP A	ROUTE 0211 TYLER BEND CAMPGROUND LOOP B	ROUTE 0212 TYLER BEND GROUPSITE LOOP	ROUTE 0213 TYLER BEND RV DUMP STATION	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	2	3	0	0	EACH
CURB	0	21	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	3	5	12	8	9	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0215 CABIN 13 & 14 ACCESS ROAD	ROUTE 0216 BUFFALO POINT BOAT LAUNCH	ROUTE 0217 BUFFALO POINT CAMPGROUND LOOP B LOOP	ROUTE 0218 BUFFALO POINT CAMPGROUND SITES 63-65 ACCESS	ROUTE 0219 TYLER BEND INFORMATION LOOP	ROUTE 0220 TYLER BEND VISITOR CENTER LOOP	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	3	0	0	0	1	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	5	6	3	4	4	8	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0400 UPPER WASTEWATER ROAD	ROUTE 0401 TYLER BEND WASTERWATER TREATMENT PLANT RD	ROUTE 0402 BUFFALO POINT CAMPGROUND SEWAGE DISPOSAL	ROUTE 0403 BUFFALO POINT INTERPRETIVE STORAGE ROAD	ROUTE 0404 TYLER BEND MAINTENANCE ROAD	UNIT
BRIDGE	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	1	EACH
CURB	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	LINEAR FEET
INTERSECTION	2	7	2	4	4	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : BUFFALO POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT COUNTY ROAD 268
0.328	0.328	CULVERT	N/A	
0.717	0.717	INTERSECTION	RIGHT	NPS GRAVEL
0.987	0.987	INTERSECTION	LEFT	ROUTE 209
1.022	1.022	INTERSECTION	LEFT	ROUTE 209
1.154	1.154	CULVERT	N/A	
1.176	1.176	INTERSECTION	RIGHT	
1.307	1.307	INTERSECTION	LEFT	ROUTE 403
1.327	1.327	INTERSECTION	RIGHT	ROUTE 900
1.343	1.343	INTERSECTION	RIGHT	ROUTE 100
1.358	1.358	INTERSECTION	RIGHT	ROUTE 200
1.531	1.531	CULVERT	N/A	
1.640	1.640	INTERSECTION	RIGHT	ROUTE 200
1.668	1.668	INTERSECTION	RIGHT	ROUTE 901
1.692	1.692	INTERSECTION	LEFT	
1.708	1.708	INTERSECTION	RIGHT	ROUTE 201
1.793	1.793	CULVERT	N/A	
1.793	1.793	DROP INLET	RIGHT	
1.926	1.926	INTERSECTION	RIGHT	ROUTE 201
1.941	1.941	INTERSECTION	LEFT	ROUTE 215
1.945	1.945	CULVERT	N/A	
1.957	1.957	INTERSECTION	RIGHT	ROUTE 902
1.960	1.960			ROUTE ENDS AT ROUTE 902
1.960	1.960	INTERSECTION	LEFT	ROUTE 902

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : TYLER BEND ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT SOUTH BOUNDARY (US 65)
0.003	0.003	INTERSECTION	RIGHT	SOUTH BOUNDARY (US 65)
0.003	0.003	INTERSECTION	LEFT	SOUTH BOUNDARY (US 65)
0.006	0.075	CURB	LEFT	
0.007	0.088	CURB	RIGHT	
0.096	0.096	INTERSECTION	RIGHT	ROUTE 219
0.116	0.116	INTERSECTION	RIGHT	ROUTE 219
0.165	0.165	INTERSECTION	LEFT	ROUTE 213
0.200	0.200	INTERSECTION	LEFT	ROUTE 213
0.228	0.228	INTERSECTION	LEFT	ROUTE 404
0.796	0.796	INTERSECTION	LEFT	NPS GRAVEL ROAD
1.307	1.307	INTERSECTION	LEFT	NPS GRAVEL PARKING
1.585	1.585	CULVERT	N/A	
1.886	1.886	INTERSECTION	RIGHT	ROUTE 401
1.948	1.948	CULVERT	N/A	
2.048	2.048	CULVERT	N/A	
2.115	2.115	CULVERT	N/A	
2.202	2.202	CULVERT	N/A	
2.305	2.305	INTERSECTION	LEFT	ROUTE 220
2.311	2.311	CULVERT	N/A	
2.390	2.390	INTERSECTION	RIGHT	ROUTE 210
2.502	2.502	CULVERT	N/A	
2.573	2.573	INTERSECTION	LEFT	NPS GRAVEL
2.575	2.575	INTERSECTION	RIGHT	ROUTE 212
2.626	2.626	INTERSECTION	LEFT	ROUTE 914
2.710	2.710			ROUTE ENDS AT TYLER BEND BOAT LAUNCH

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : TYLER BEND ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.721	2.721	INTERSECTION	LEFT	TYLER BEND BOAT LAUNCH
2.722	2.722	INTERSECTION	RIGHT	TYLER BEND BOAT LAUNCH

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0100 : BUFFALO POINT RIVER ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.007	0.007	INTERSECTION	RIGHT	
0.103	0.115	PULLOUT	RIGHT	
0.248	0.248	CULVERT	N/A	
0.249	0.249	DROP INLET	RIGHT	
0.513	0.513	INTERSECTION	RIGHT	ROUTE 202
0.528	0.528	INTERSECTION	RIGHT	ROUTE 202
0.661	0.661	CULVERT	N/A	
0.810	0.810	INTERSECTION	RIGHT	
0.936	0.936	CULVERT	N/A	
1.126	1.126	INTERSECTION	LEFT	ROUTE 101
1.135	1.224	GUARDRAIL	LEFT	
1.137	1.137	DROP INLET	RIGHT	
1.138	1.138	CULVERT	N/A	
1.233	1.233	INTERSECTION	LEFT	ROUTE 204
1.291	1.291	INTERSECTION	LEFT	ROUTE 204
1.307	1.307	CULVERT	N/A	
1.313	1.313	INTERSECTION	LEFT	ROUTE 925
1.369	1.369	INTERSECTION	LEFT	ROUTE 924
1.385	1.385	CULVERT	N/A	
1.389	1.389	INTERSECTION	LEFT	ROUTE 925
1.399	1.399	INTERSECTION	LEFT	ROUTE 216
1.404	1.421	GUARDRAIL	LEFT	
1.430	1.430			ROUTE ENDS AT ENDS AT LOOP A OF CAMPGROUND
1.430	1.430	INTERSECTION	RIGHT	ENDS AT LOOP A OF CAMPGROUND
1.431	1.431	INTERSECTION	LEFT	ENDS AT LOOP A OF CAMPGROUND

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101 : BUFFALO POINT CAMPGROUND ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 100
0.005	0.005	INTERSECTION	RIGHT	ROUTE 100
0.013	0.033	GUARDRAIL	RIGHT	
0.041	0.041	INTERSECTION	RIGHT	ROUTE 927
0.045	0.045	INTERSECTION	LEFT	ROUTE 928
0.072	0.072	INTERSECTION	RIGHT	ROUTE 929
0.075	0.075	CULVERT	N/A	
0.113	0.113	INTERSECTION	RIGHT	ROUTE 929
0.152	0.152	CULVERT	N/A	
0.177	0.177	INTERSECTION	RIGHT	ROUTE 930
0.222	0.222	INTERSECTION	RIGHT	ROUTE 205
0.284	0.304	GUARDRAIL	RIGHT	
0.287	0.287	CULVERT	N/A	
0.353	0.353	INTERSECTION	RIGHT	ROUTE 205
0.367	0.367	CULVERT	N/A	
0.399	0.399	INTERSECTION	LEFT	ROUTE 931
0.411	0.411	INTERSECTION	LEFT	ROUTE 206
0.435	0.435	CULVERT	N/A	
0.462	0.462	INTERSECTION	LEFT	ROUTE 206
0.476	0.476	INTERSECTION	RIGHT	ROUTE 218
0.487	0.487	CULVERT	N/A	
0.492	0.492	INTERSECTION	RIGHT	ROUTE 218
0.505	0.515	GUARDRAIL	LEFT	
0.507	0.516	GUARDRAIL	RIGHT	
0.508	0.508	CULVERT	N/A	
0.519	0.519	INTERSECTION	RIGHT	E LOOP OF CAMPGROUND
0.520	0.520			ROUTE ENDS AT E LOOP OF CAMPGROUND

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0102 : LOST VALLEY ROAD

FROM MILEPOST	*TO MILEPOST*	*FEATURE*	*SIDE*	*COMMENT*
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 43
0.002	0.002	INTERSECTION	RIGHT	STATE HIGHWAY 43
0.100	0.100			ROUTE ENDS AT END OF PAVEMENT

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200 : RUSTIC CABIN LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.001	0.001	INTERSECTION	RIGHT	ROUTE 010
0.004	0.004	INTERSECTION	LEFT	ROUTE 010
0.037	0.037	INTERSECTION	LEFT	NPS GRAVEL
0.095	0.095	INTERSECTION	LEFT	ROUTE 919
0.119	0.119	INTERSECTION	LEFT	ROUTE 919
0.139	0.139	INTERSECTION	LEFT	ROUTE 919
0.252	0.252	INTERSECTION	RIGHT	ROUTE 920
0.310	0.310			ROUTE ENDS AT ROUTE 010
0.310	0.310	INTERSECTION	LEFT	ROUTE 010
0.310	0.310	INTERSECTION	RIGHT	ROUTE 010

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0201 : MODERN CABIN LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010 (EAST LOOP ENTRANCE)
0.011	0.011	INTERSECTION	LEFT	ROUTE 010 (EAST LOOP ENTRANCE)
0.091	0.091	INTERSECTION	RIGHT	ROUTE 907
0.156	0.156	INTERSECTION	RIGHT	ROUTE 908
0.212	0.212	INTERSECTION	RIGHT	ROUTE 909
0.240	0.240			ROUTE ENDS AT ROUTE 010 (WEST LOOP EXIT)
0.245	0.245	INTERSECTION	LEFT	ROUTE 010 (WEST LOOP EXIT)
0.246	0.246	INTERSECTION	RIGHT	ROUTE 010 (WEST LOOP EXIT)

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202 : MID LEVEL GROUP CAMPGROUND RD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 100
0.012	0.012	INTERSECTION	LEFT	ROUTE 100
0.024	0.024	INTERSECTION	LEFT	ROUTE 202
0.106	0.106	INTERSECTION	LEFT	ROUTE 921
0.150	0.150			ROUTE ENDS AT ROUTE 922
0.155	0.155	INTERSECTION	RIGHT	ROUTE 922

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203 : BUFFALO POINT CAMPROUND LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 100
0.002	0.002	INTERSECTION	LEFT	ROUTE 100
0.004	0.004	INTERSECTION	RIGHT	ROUTE 100
0.082	0.082	CULVERT	N/A	
0.082	0.085	GUARDRAIL	LEFT	
0.131	0.131	CULVERT	N/A	
0.143	0.143	INTERSECTION	LEFT	ROUTE 923
0.239	0.239	INTERSECTION	LEFT	END OF LOOP
0.240	0.240			ROUTE ENDS AT END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204 : BUFFALO POINT CAMPGROUND LOOP B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 100
0.003	0.003	INTERSECTION	RIGHT	ROUTE 100
0.003	0.003	INTERSECTION	LEFT	ROUTE 100
0.037	0.037	CULVERT	N/A	
0.059	0.059	INTERSECTION	LEFT	ROUTE 926
0.061	0.061	CULVERT	N/A	
0.075	0.075	INTERSECTION	RIGHT	ROUTE 217
0.099	0.099	INTERSECTION	LEFT	ROUTE 100
0.100	0.100			ROUTE ENDS AT ROUTE 100

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0205 : BUFFALO POINT CAMPGROUND LOOP C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 101
0.004	0.004	INTERSECTION	RIGHT	ROUTE 101
0.006	0.006	INTERSECTION	LEFT	ROUTE 101
0.140	0.140			ROUTE ENDS AT ROUTE 101
0.150	0.150	INTERSECTION	RIGHT	ROUTE 101

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0206 : BUFFALO POINT CAMPGROUND LOOP D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 101
0.001	0.001	INTERSECTION	LEFT	ROUTE 101
0.002	0.002	CULVERT	N/A	
0.003	0.003	INTERSECTION	RIGHT	ROUTE 101
0.080	0.080	CULVERT	N/A	
0.088	0.088	INTERSECTION	RIGHT	ROUTE 101
0.089	0.089	INTERSECTION	LEFT	ROUTE 101
0.090	0.090			ROUTE ENDS AT ROUTE 101

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207 : BUFFALO POINT CAMPGROUND LOOP E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 101
0.003	0.003	INTERSECTION	LEFT	ROUTE 101
0.061	0.061	INTERSECTION	RIGHT	ROUTE 402
0.090	0.090			ROUTE ENDS AT END OF LOOP
0.090	0.090	INTERSECTION	LEFT	END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209 : BUFFALO POINT RV DUMP STATION

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.001	0.001	CULVERT	N/A	
0.003	0.003	INTERSECTION	LEFT	ROUTE 010
0.004	0.004	INTERSECTION	RIGHT	ROUTE 010
0.011	0.011	INTERSECTION	LEFT	
0.028	0.032	CURB	LEFT	
0.042	0.042	INTERSECTION	LEFT	ROUTE 010
0.050	0.050			ROUTE ENDS AT ROUTE 010
0.050	0.050	INTERSECTION	RIGHT	ROUTE 010

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0210 : TYLER BEND CAMPGROUND LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.003	0.003	INTERSECTION	RIGHT	ROUTE 011
0.004	0.004	INTERSECTION	LEFT	ROUTE 011
0.017	0.017	CULVERT	N/A	
0.082	0.082	INTERSECTION	RIGHT	ROUTE 934
0.088	0.088	INTERSECTION	LEFT	
0.145	0.145	INTERSECTION	LEFT	ROUTE 935
0.148	0.148	INTERSECTION	RIGHT	ROUTE 211
0.176	0.176	CULVERT	N/A	
0.196	0.196	INTERSECTION	RIGHT	
0.223	0.223	INTERSECTION	RIGHT	ROUTE 210
0.255	0.255	INTERSECTION	LEFT	ROUTE 941
0.274	0.274	INTERSECTION	LEFT	ROUTE 940
0.300	0.300			ROUTE ENDS AT END OF LOOP
0.308	0.308	INTERSECTION	LEFT	END OF LOOP
0.309	0.309	INTERSECTION	RIGHT	END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0211 : TYLER BEND CAMPGROUND LOOP B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 103
0.004	0.004	INTERSECTION	RIGHT	ROUTE 103
0.004	0.004	INTERSECTION	LEFT	ROUTE 103
0.015	0.015	CULVERT	N/A	
0.022	0.022	INTERSECTION	LEFT	ROUTE 211
0.028	0.028	INTERSECTION	LEFT	ROUTE 211
0.100	0.100	CULVERT	N/A	
0.130	0.130	CULVERT	N/A	
0.274	0.274	INTERSECTION	RIGHT	ROUTE 942
0.343	0.343	INTERSECTION	LEFT	ROUTE 211
0.351	0.351	INTERSECTION	RIGHT	ROUTE 211
0.354	0.354	INTERSECTION	RIGHT	END OF LOOP
0.360	0.360			ROUTE ENDS AT END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212 : TYLER BEND GROUPSITE LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.003	0.003	INTERSECTION	LEFT	ROUTE 011
0.006	0.006	INTERSECTION	RIGHT	ROUTE 011
0.035	0.035	INTERSECTION	RIGHT	ROUTE 936
0.048	0.048	INTERSECTION	LEFT	ROUTE 937
0.070	0.070	INTERSECTION	LEFT	ROUTE 938
0.082	0.082	INTERSECTION	RIGHT	ROUTE 212
0.093	0.093	INTERSECTION	LEFT	ROUTE 939
0.173	0.173	INTERSECTION	LEFT	END OF LOOP
0.175	0.175	INTERSECTION	RIGHT	END OF LOOP
0.180	0.180			ROUTE ENDS AT END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0213 : TYLER BEND RV DUMP STATION

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.004	0.004	INTERSECTION	RIGHT	ROUTE 011
0.005	0.005	INTERSECTION	LEFT	ROUTE 011
0.053	0.053	INTERSECTION	RIGHT	ROUTE 011
0.054	0.054	INTERSECTION	LEFT	ROUTE 011
0.060	0.060			ROUTE ENDS AT ROUTE 011

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0215 : CABIN 13 & 14 ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.000	0.000	INTERSECTION	RIGHT	ROUTE 010
0.042	0.042	INTERSECTION	RIGHT	ROUTE 902
0.049	0.049	INTERSECTION	LEFT	ROUTE 400
0.050	0.050	INTERSECTION	RIGHT	
0.127	0.127	INTERSECTION	RIGHT	ROUTE 903
0.130	0.130			ROUTE ENDS AT END

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216 : BUFFALO POINT BOAT LAUNCH

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 100
0.001	0.001	INTERSECTION	LEFT	ROUTE 100
0.002	0.002	INTERSECTION	RIGHT	ROUTE 100
0.011	0.011	CULVERT	N/A	
0.041	0.041	INTERSECTION	RIGHT	NPS GRAVEL
0.052	0.052	INTERSECTION	RIGHT	NPS GRAVEL
0.060	0.060	CULVERT	N/A	
0.087	0.087	CULVERT	N/A	
0.102	0.102	INTERSECTION	LEFT	ROUTE 925
0.110	0.110			ROUTE ENDS AT ROUTE 925
0.115	0.115	INTERSECTION	RIGHT	ROUTE 925

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0217 : BUFFALO POINT CAMPGROUND LOOP B LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 204
0.001	0.001	INTERSECTION	RIGHT	ROUTE 204
0.044	0.044	INTERSECTION	RIGHT	ROUTE 204
0.050	0.050			ROUTE ENDS AT ROUTE 204
0.050	0.050	INTERSECTION	LEFT	ROUTE 204

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0218 : BUFFALO POINT CAMPGROUND SITES 63-65 ACCESS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 101
0.004	0.004	INTERSECTION	RIGHT	ROUTE 101
0.007	0.007	INTERSECTION	LEFT	ROUTE 101
0.028	0.028	INTERSECTION	LEFT	ROUTE 101
0.029	0.029	INTERSECTION	RIGHT	ROUTE 101
0.030	0.030			ROUTE ENDS AT ROUTE 101

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0219 : TYLER BEND INFORMATION LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.002	0.002	INTERSECTION	LEFT	ROUTE 011
0.005	0.005	INTERSECTION	RIGHT	ROUTE 011
0.048	0.048	INTERSECTION	LEFT	ROUTE 011
0.048	0.048	INTERSECTION	RIGHT	ROUTE 011
0.050	0.050			ROUTE ENDS AT ROUTE 011

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0220 : TYLER BEND VISITOR CENTER LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.005	0.005	INTERSECTION	LEFT	ROUTE 011
0.005	0.005	INTERSECTION	RIGHT	ROUTE 011
0.014	0.014	INTERSECTION	LEFT	ROUTE 220
0.063	0.063	INTERSECTION	RIGHT	ROUTE 933
0.084	0.084	CULVERT	N/A	
0.087	0.087	INTERSECTION	RIGHT	ROUTE 913
0.107	0.107	INTERSECTION	RIGHT	ROUTE 913
0.118	0.118	INTERSECTION	RIGHT	ROUTE 220 SPUR
0.120	0.120			ROUTE ENDS AT END OF LOOP
0.124	0.124	INTERSECTION	RIGHT	END OF LOOP

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : UPPER WASTEWATER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 215
0.001	0.001	INTERSECTION	RIGHT	ROUTE 215
0.090	0.090			ROUTE ENDS AT END
0.093	0.093	INTERSECTION	RIGHT	

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0401 : TYLER BEND WASTERWATER TREATMENT PLANT RD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.005	0.005	INTERSECTION	LEFT	ROUTE 011
0.005	0.005	INTERSECTION	RIGHT	ROUTE 011
0.080	0.080	INTERSECTION	LEFT	
0.085	0.085	INTERSECTION	LEFT	
0.163	0.163	INTERSECTION	LEFT	
0.180	0.180			ROUTE ENDS AT END OF LOOP
0.182	0.182	INTERSECTION	RIGHT	END OF LOOP
0.186	0.186	INTERSECTION	LEFT	ROUTE 401

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0402 : BUFFALO POINT CAMPGROUND SEWAGE DISPOSAL

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 207
0.005	0.005	INTERSECTION	LEFT	ROUTE 207
0.007	0.007	INTERSECTION	RIGHT	ROUTE 207
0.020	0.020			ROUTE ENDS AT END

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0403 : BUFFALO POINT INTERPRETIVE STORAGE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.001	0.001	INTERSECTION	LEFT	ROUTE 010
0.010	0.010	INTERSECTION	RIGHT	
0.015	0.015	INTERSECTION	LEFT	
0.029	0.029	INTERSECTION	RIGHT	
0.040	0.040			ROUTE ENDS AT END

BUFF: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0404 : TYLER BEND MAINTENANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 011
0.001	0.001	INTERSECTION	RIGHT	ROUTE 011
0.020	0.020	CULVERT	N/A	
0.110	0.110	INTERSECTION	LEFT	ROUTE 932
0.119	0.119	INTERSECTION	LEFT	ROUTE 915
0.120	0.120			ROUTE ENDS AT ROUTE 915
0.120	0.120	INTERSECTION	RIGHT	ROUTE 915

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
7150	Numeric Code for Buffalo National River
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
BUFF	Alpha Code for Buffalo National River
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total defined "season"
SCR	Surface Condition Rating (see Section 10)
Shoulder Condition Rating	Visual rating (Good, Poor) of the condition of shoulder. (see Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point

APPENDIX B: DESCRIPTION OF RATING SYSTEM

A numerical roadway rating system is used to describe the overall condition of the paved roadways and paved parking areas. In this system, a numerical rating between 1 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A "perfect" road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can ocurr anywhere in the lane.

- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.

- **Transverse Cracking** - cracks perpendicular to the pavement centerline.

- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.

- **Rutting** - surface depressions in the wheel paths.

Roughness is collected as International Roughness Index (IRI) and is used in the PCR formula. Roughness is measured in inches of vertical displacement of the vehicle per mile traveled.

A Distress Rating Index value is calculated for each of the individual distresses at the 0.02 mile, or every 105.6 feet.

Rating Index Formulas

Alligator Cracking Index = 100 - [40 * (%low/70 + %medium/30 + %high/10)]
Longitudinal Cracking Index = 100 - [40 * (%low/350 + %medium/200 + %high/75)]
Transverse Cracking Index = 100 – [(20 * (low/15.1 + medium/7.5)) + (40 * (high/1.9))]
Patching Index = 100 - [40 * (%patching / 80)]
Rutting Index: 100-[40*((low/160) + (med/80) + (high/40))]
Roughness Condition Index: (RCI) = $32 * [5 * e^{(-0.0041 * \text{average IRI})}]$

These 0.02 Distress Rating Index values are then averaged over one mile sections for the mile-by-mile Disitress Rating Indexes, Surface Condition Rating (SCR) and Pavement Condition Rating (PCR).

Surface Condition Rating (SCR) = 100 – [(100 – AC_INDEX) + (100 – LC_INDEX) + (100 – TC_INDEX) + (100 – PATCH_INDEX) + (100 – RUT_INDEX)]

Pavement Condition Rating (PCR) = (SCR * 0.60) + (RCI * 0.40)

NOTE: Collection of roughness data is dependant on the data collection vehicle traveling at a minimum speed of 12 mph. In the event that a route cannot be safely traveled at this minimum speed, and results in no roughness data, the SCR only will be calculated.

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

Raveling – loss of surface rock chips revealing previous surface
Bleeding – asphalt or tar is bleeding through to the surface where surface looks slick with asphalt
Rutting
Potholes/Patching

Ratings - Chip Seal:

Excellent – None of the surface affected by the above (recently constructed)
Good – Less than 10% of surface affected by the above
Fair – Between 10% and 40% of surface affected by the above
Poor – More than 40% of surface affected by the above

Surface Condition - Asphalt:

Cracking of any type
Rutting
Potholes/Patching

Ratings - Asphalt:

Excellent – None of the surface affected by the above (recently constructed)
Good – Less than 10% of surface affected by the above
Fair – Between 10% and 40% of surface affected by the above
Poor – More than 40% of surface affected by the above

Index Values of Visual Ratings on Parking Lots and Manually Rated Roads

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

Good: Minimal overall drainage problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.

Poor: Problems exist that jeopardizes the integrity of the road in this section. If funding were available for pavement maintenance, 50% to 100% is estimated to correct drainage deficiencies.

Drainage Condition Rating Criteria

The following are examples of basic criteria to help the rater to identify the different drainage ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Drainage
Most water clears the road prism adequately with little concern of base saturation.

- X Pavement has minor deficiencies that interrupt water flow.
- X Shoulders are mostly adequate as they relate to surrounding terrain. Shoulder design generally coincides with the drainage design.
- X Curbs have deficiencies, but still function without erosion.
- X Down drains are placed properly, but show signs of some deterioration.
- X Culverts are adequate in numbers and size however, minor deficiencies are evident.
- X Ditches are not paved, but solid and have enough area to maintain and carry required volume of water.

Poor Drainage
This section has areas of inadequate drainage ability that is causing base saturation that could cause a road failure.

- X Pavement grade is irregular and holds dangerous amounts of water (hydroplaning is a concern), or shows massive alligator cracking.
- X Shoulder design induces ponding that encroaches on the pavement (drivers try to avoid ponds).
- X Portions of curbs are missing, allowing water to escape causing erosion.
- X Drop inlets, due to various reasons, are only able to drain 50% or less efficiently.
- X Down drains show signs of water exiting in areas by the down drain causing erosion.
- X Culverts are functionally deficient including size, installation, location, or grade giving water opportunity to saturate the road base.
- X Ditches allow water opportunity to saturate the road base through various reasons such as low places in ditch where design has not allowed for water to drain, little or no room in the road prism for a needed ditch, or water is disappearing within the ditch.

Shoulder Condition Rating Definitions

Good: The shoulder is generally in good functional condition. If curbs are present, they are functional.

Poor: There is no shoulder because erosion has removed it. If curbs are present, they need to be replaced.

Shoulder Rating Criteria

The following are examples of basic criteria to help the rater to identify the different shoulder ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Shoulders

- X If shoulder is unpaved drop-offs are less than 1", but grading is required.
- X If shoulder is paved rut depth is less than 1/2", sealed cracks are present, and grading is required.
- X If curbs are present they are functional.

Poor Shoulder

- X If shoulder is unpaved drop-offs are greater than 4" and erosion has removed the shoulder.
- X If shoulder is paved rut depth is greater than 1". Open cracks are greater than 1/4" deep, and erosion has removed the shoulder.
- X If curbs are present they need replacement.
- X If curbs are present they need repairs, and there is erosion behind the curb.

APPENDIX C: DIGITAL IMAGE INFORMATION

All images collected in Cycle 3 are digital images. These images provide the best resolution for identifying sign inventories and pavement evaluations. The images can be viewed with an interactive software program called **Visi-Data**. Each park will have a copy of the Visi-Data program installed in the park for park personnel to access and use.

Only Cycle 3 data can be queried and reviewed using the Visi-Data software program. This program is a multimedia data presentation and analysis tool that can be accessed either at the individual park, park region or at NPS headquarters. The data is organized in a hierarchical manner and presented in tabular and graphical formats. The user is able to perform queries and drill down through the data to find the particular information they are trying to query. Associated digital right-of-way images from the either the LAN, USB port, individual DVD, or from the Visi-web application, can be presented along with the GPS locations.

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

GPS Records: GPS data for NPS routes is stored in the MS Access database for the park. The coordinates of the road traces are stored in the '**PMS_20**' table in the '**GPS_LAT**' and '**GPS_LON'** fields.

Data Collection Device:

Vehicle Information:	Ford Van
Type of GPS Unit:	NovAtel MiLLennium, 12 channel, dual frequency L1/L2, DGPS ready receiver w/MiLLennium 502 GPS antenna and OmniSTAR System 3000 LR
Inertial System:	Applanix POS LV

Accuracy: Expected ground accuracy is 1 meter *

*The above accuracy assumes good GPS mission planning resulting in maximum GPS satellite observation and ideal environmental conditions. Due to less than ideal satellite and environmental conditions, some routes may lack the expected ground accuracy.

Geographic Datum: WGS 1984

Post Collection GPS Correction: Due to unanticipated GPS collection inaccuracies, some route locations have been digitized using DOQQ's and other data sources.

FHWA – NPS Road Inventory Program
Cycle 3 Metadata for the Park Database

The purpose of these sheets is to provide users of the Road Inventory Program's data with data accuracies and tolerances to help users define ways in which the RIP data can and cannot be used. For further information on specifics of data collection equipment, data collection procedures, equipment calibrations, or quality control/quality assurance procedures, please contact Jim Kennedy, Project Manager, Data Quality Assurance, at 720-963-3560 or jim.kennedy@fhwa.dot.gov.

All Road Inventory Program data undergoes quality control and quality assurance testing. This document represents the known data accuracies and tolerances for the data collection equipment, data collection procedures, and data processing procedures currently in use. Many additional tests conducted on the park databases during the quality assurance phase to ensure data integrity are not listed as a part of this document. Before it is delivered, a park database undergoes a large set of table design consistency, field data format consistency, data completeness, uniqueness of key fields, data reasonableness, acceptable data range, within-field data consistency, between-field data consistency, and between-table data consistency tests. Additional data sampling checks are conducted to ensure proper data upload from raw files into the park database and to quality check the pavement crack analysis. Further information is detailed in the FHWA – NPS RIP Quality Assurance Manual, available upon request.

This description of metadata includes only the known accuracies with which a data field matches its expected value. The tables that follow this page show each database field's:

- Field – field name
- Format – data type and number of characters of field
- Expected Value – meaning of value assigned to field
- Source – when in process field value obtained
- Validation – how field value obtained
- Expected Accuracy – accuracy with which contents of field match Expected Value

Verifying and continually improving the accuracy of Road Inventory Program data is an ongoing goal of the Federal Highway Administration and the National Park Service. Field testing and post-collection analysis of ARAN (Automatic Road ANalyzer) -collected data will continue in Cycle 4. Data quality is expected to improve as the FHWA – NPS Road Inventory Program continues to operate, due to the fact that future data collection cycles will consist in large part of data updates. Also, technological improvements are expected to render the data increasingly consistent with actual roadway conditions as data collection cycles progress.

Specific Caveats

- Three canned reports are titled "Features in Good Condition", "Features in Fair Condition," and "Features in Poor Condition." These titles could be misleading. In Cycle 3, condition assessments have been conducted on **signs only**. Condition assessments have not been conducted on non-sign features, such as culverts, guardrails, pullouts, etc. Although the database and canned reports might report a default value of "good" for un-assessed features, these condition values are not valid for import into FMSS.
- Database records that show a concrete surface type sometimes include index values that seem to show a perfect roadway (e.g., a Pavement Condition Rating (PCR) of 100). The Road Inventory Program does not actually conduct condition assessments of concrete surfaces. The perfect values are just default values assigned to unassessed sections of pavement and do not represent an assessment of the roadway surface's quality.
- On the USB drive, in the Database folder, parks are provided with intersection lists and exceptions lists. These documents should be treated as raw files and are **not accurate**. Refer to the final database for accurately post-processed intersection data.
- Most roadway data is collected in the primary direction lane of a roadway. To save data storage

space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS_Visidata table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS_20 and PMS_Mile tables simply exclude all opposite routes.

- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video. Signs are the only features collected using the opposite-direction video.

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only one value is recorded here.
(2): Note that some MP values listed here are estimates recorded during the Route ID process for use by the data collection crew (e.g. "FROM ROUTE 0010 AT MILEPOST 30.3"). They are estimates only and are not expected to match the more accurate milepost values included elsewhere in the database in the BEG_MP, END_MP, and MP fields.
(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.
(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor. Features along the side of a roadway that are measured using the Surveyor software might not be located very accurately. Surveyor is known to be most accurate when measuring quantities near the center of the video frame, as opposed to in the edges of the video image.
(5): Only signs are evaluated for condition. No other features' conditions are assessed, so "N/A" was originally intended to be the default value for unassessed features. However, some non-sign features do have condition ratings in the database. These are not accurate, because no assessment was ever done on non-sign features.
(6): Condition assessments are not conducted on concrete (CO) surface types. Perfect values for concrete road sections are default values and do not represent a condition assessment of the concrete surfaces.
(7): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolution. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

Access Database Metadata

Master Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	Untested. 50 characters fit in field
FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input/FHWA Determination	Untested
COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
END_MP	999.999 (miles)	Ending MP collected	ARAN Data Collection	Automatic Output	100% (3)

PMS_Feature Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Survey Crew Input/Video Processing	Untested (4)
EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Processing	Untested
MUTCD	"N/A"	N/A. Intended to be sign MUTCD code	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
CONDITION	XXX	Sign condition (G-D, F-R, P-R, N/A)	Contractor Post-processing	Video Processing	Untested (5)
COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
OFFSET	"N/A"	N/A. Intended to be offset from pavement edge	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
SIDE	XXX	Side of route; "N/A" if not on one side	Contractor Post-processing	Video Processing	Untested
STR_NUMBER	XXXXXXXXXX	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
GPS_LAT	"N/A"	N/A. Intended to be latitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_LON	"N/A"	N/A. Intended to be longitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_ELEV	"N/A"	N/A. Intended to be elevation	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_MODE	"N/A"	N/A. Intended to be GPS mode	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
VIDEO	<*Park*>C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
VISI_TO	999999 (millimiles)	Raw MP of last video frame showing feature	Contractor Post-processing	Database Processing	Untested

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

PMS_20, PMS_Mile & PMS_Visidata Tables Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
LANE_NO	X	Data collection lane	Contractor Post-processing	Database Processing	Untested
WX_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
LANE_WIDTH	99.999 (ft)	Width of lane	Contractor Post-processing	Video Processing	Untested
PAVE_WIDTH	99.999 (ft)	Full pavement width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_L	99.999 (ft)	Left shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_R	99.999 (ft)	Right shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_COND_L	XXXX	Left shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
SHLD_COND_R	XXXX	Right shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_L	XXXX	Left drainage condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_R	XXXX	Right drainage condition	ARAN Data Collection	Survey Crew Input	Untested
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (6)
RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (6)
RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (6)

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Manual Pavement Video Processing	Untested (6)
GPS_LAT	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	99999.9	Elevation	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_MODE	XXX	GPS mode during collection	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
VIDEO	<*Park*>C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
LANEDEV_FLAG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISI_TO	999999 (millimiles)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

Cycle 3 Shapefile Metadata

Metadata is provided for all shapefiles used for the creation of RIP report documents. The metadata for each shapefile associated with the park can be found in Section 10 of the PDF report provided on your park CD.

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

buff_pkg_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: buff_pkg_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Parking Areas
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 9/12/2003
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.366882
East_Bounding_Coordinate: -92.555250
North_Bounding_Coordinate: 36.083076
South_Bounding_Coordinate: 35.971117
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF
Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for parking areas
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 39

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_pkg_03
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating for route
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Photo filename associated with feature
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT

Attribute_Definition: Feature area in square feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.018

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Aug 29 11:38:45 2005

buff_mi

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: buff_mi
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Routes
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating provided in the PMS_mile table.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.367714
East_Bounding_Coordinate: -92.554985
North_Bounding_Coordinate: 36.083031
South_Bounding_Coordinate: 35.970871
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF

Access_Constraints: None
Use_Constraints: Redistribution meeds permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 29

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_mi
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition: Numeric PCR definition
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: BUFF_MI_
Attribute_Definition: Verbal PCR definition
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR
Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:

Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100
Attribute:
Attribute_Label: BUFF_MI_ID
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.
Attribute:
Attribute_Label: ID
Attribute:
Attribute_Label: RTE_NO
Attribute:
Attribute_Label: BMP
Attribute:
Attribute_Label: EMP
Attribute:
Attribute_Label: PCR
Attribute:
Attribute_Label: PCR_RATE
Attribute:
Attribute_Label: RT_LENGTH
Attribute:
Attribute_Label: PCRMI
Attribute:
Attribute_Label: PCR_RATEMI
Attribute:
Attribute_Label: PCR_RATEAV
Attribute:
Attribute_Label: PCRAV
Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Aug 29 11:39:21 2005

buff_mi_pt

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: buff_mi_pt
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Mile Points
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. All attributes found in the PMS_20 table are found on the miles points.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Not Available
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.366356
East_Bounding_Coordinate: -92.555580
North_Bounding_Coordinate: 36.082134
South_Bounding_Coordinate: 35.970871
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD Sterling
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for mile points
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 33

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_mi_pt
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: RIP_CYCLE
Attribute_Definition: 3, for data collection cycle 3
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: STATE
Attribute_Definition: State where route is located
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_NO
Attribute_Definition: Park numeric code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FUNCT_CLAS
Attribute_Definition: Route functional class
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: DIRECTION
Attribute_Definition: Survey lane: PRI (primary) or OPP (opposite)
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: BEG_MP

Attribute_Definition: MP at end of road interval described by database record
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: END_MP
Attribute_Definition: MP at end of road interval described by database record
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: INT_LENGTH
Attribute_Definition: Length of road interval as aggregated from data table
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RTE_LENGTH
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: NO_LANES
Attribute_Definition: Number of lanes in route
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: LANE_NO
Attribute_Definition: Data collection lane
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: WX_LANE_WI
Attribute_Definition: WiseCrax (crack detection software) analysis width
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: LANE_WIDTH
Attribute_Definition: Width of lane
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: PAVE_WIDTH
Attribute_Definition: Full pavement width
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: SHLD_WIDTH
Attribute_Definition: Left shouler width
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: SHLD_WID_1
Attribute_Definition: Right shoulder width
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: SHLD_COND_
Attribute_Definition: Left shoulder condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: SHLD_COND1
Attribute_Definition: Right shoulder condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: DRAIN_COND
Attribute_Definition: Left drainage condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: DRAIN_CO_1
Attribute_Definition: Right drainage condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: PCR
Attribute_Definition: Pavement Condition Rating
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RCI
Attribute_Definition: Roughness Condition Index; -1 if invalid IRI
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SCR
Attribute_Definition: Surface Condition Rating
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_AVG
Attribute_Definition: Average IRI
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_SD
Attribute_Definition: IRI Standard Deviation
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_L
Attribute_Definition: Left wheel path IRI
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: IRI_R
Attribute_Definition: Rigth wheel path IRI
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: IRI_FLAG
Attribute_Definition: -1 if invalid IRI data
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_INDEX
Attribute_Definition: Rut index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_AVG
Attribute_Definition: Average rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RUT_MAX
Attribute_Definition: Maximum rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_SD
Attribute_Definition: Rut depth standard deviation
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_LOW
Attribute_Definition:
Percent of low severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_MED
Attribute_Definition:
Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_HI
Attribute_Definition:
Percent of high severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: XFALL
Attribute_Definition: Cross fall at start of road interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GRADE
Attribute_Definition: Grade at start of road interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: AC_INDEX
Attribute_Definition: Alligator cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_LOW
Attribute_Definition:
Percent of WiseCrax measured lane area with low-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_MED
Attribute_Definition:
Percent of WiseCrax measured lane area with medium-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_HI
Attribute_Definition:
Percent of WiseCrax measured lane area with high-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: LC_INDEX
Attribute_Definition: Longitudinal cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_LOW
Attribute_Definition:
Low-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_MED
Attribute_Definition:
Medium-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_HI
Attribute_Definition:
High-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_INDEX
Attribute_Definition: Transverse cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_LOW
Attribute_Definition:
Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_MED
Attribute_Definition:
Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_HI
Attribute_Definition:
Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: PATCH_INDE
Attribute_Definition: Patching index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: PATCHING
Attribute_Definition: Percent of WiseCrax measured lane area affected by patching

Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: GPS_LAT
Attribute_Definition: Latitude coordinate
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: GPS_LON
Attribute_Definition: Longitude coordinate
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: GPS_ELEV
Attribute_Definition: Elevation
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: GPS_MODE
Attribute_Definition: GPS mode during collection
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: VIDEO
Attribute_Definition: Removable USB video hard drive number
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: IMAGE
Attribute_Definition: Filename of .jpg image showing road interval
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: SPEED
Attribute_Definition: Average ARAN speed during data collection
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: BRIDGE_FLA
Attribute_Definition: Flag indicating presence of bridge in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: CONSTR_FLA
Attribute_Definition: Flag indicating construction in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: LANEDEV_FL
Attribute_Definition: Flag indicating lane deviation in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: DATE
Attribute_Definition: Data collection date
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: NODISTRESS
Attribute_Definition: Flag indicating absence of pavement distress
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: FILENAME

Attribute_Definition: Filename of raw data files
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: SECTION
Attribute_Definition: route section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:
Attribute_Label: FKEY
Attribute_Definition: Unique record ID
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: VISI_FROM
Attribute_Definition: Raw MP of first video frame in section
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: VISI_TO
Attribute_Definition: Raw MP of last video frame in section
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: IDKEY
Attribute_Definition: Unique record ID used by VisiData
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: MP_REF
Attribute_Definition: Range of mileage to play in VisiData
Attribute_Definition_Source: Contractor Post-processing

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.030

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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buff_nonnps

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: buff_nonnps
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: non-NPS roads
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.367085
East_Bounding_Coordinate: -92.582046
North_Bounding_Coordinate: 36.081799
South_Bounding_Coordinate: 36.004417
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for non-NPS roads
Lineage:
Source_Information:
Type_of_Source_Media: Heads-up digitized
Process_Step:
Process_Description: Metadata imported.
Source_Used_Citation_Abbreviation:
J:\FHWA_RoadInvProg\Data\Park_TSR_source\Template_Folders\Section_10\template_nonnps_03.xml

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Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 3

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_nonnps
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: Id
Attribute_Definition: Name of road if available
Attribute:
Attribute_Label: Name

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.008

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator

Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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buff_pkg_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: buff_pkg_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Copy of Parking Areas
Purpose: Road Inventory Program
Supplemental_Information:
This shapefile is a copy of the source parking shapefile. The features are edited as needed for graphic purposes.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 9/12/2003
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.366651
East_Bounding_Coordinate: -92.555355
North_Bounding_Coordinate: 36.083178
South_Bounding_Coordinate: 35.971373
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for parking areas
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 39

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_pkg_03_map
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating for route
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Photo filename associated with feature
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection

Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Feature area in square feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.018

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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buff_seg

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: buff_seg
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Routes
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -93.367714
East_Bounding_Coordinate: -92.554985
North_Bounding_Coordinate: 36.083031
South_Bounding_Coordinate: 35.970871
Keywords:
Theme:
Theme_Keyword_Thesaurus: BUFF
Theme_Keyword: BUFF

Access_Constraints: None
Use_Constraints: Redistribution meeds permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 78

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: buff_seg
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition:
Numeric PCR definition. Average PCR value based on programatic averaging of adjacent segments.
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: BUFF_SEG_
Attribute_Definition: Verbal PCR definition based on value in PCRAV field
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:
Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:
Attribute_Label: BUFF_SEG_I
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:
Attribute_Label: ID

Attribute:
Attribute_Label: RTE_NO

Attribute:
Attribute_Label: BMP

Attribute:
Attribute_Label: EMP

Attribute:
Attribute_Label: PCR

Attribute:
Attribute_Label: PCR_RATE

Attribute:
Attribute_Label: RT_LENGTH

Attribute:
Attribute_Label: PCRMI

Attribute:
Attribute_Label: PCR_RATEMI

Attribute:
Attribute_Label: PCR_RATEAV

Attribute:
Attribute_Label: PCRAV

Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20050829
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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