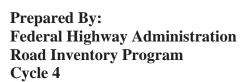


The Road Inventory of Big South Fork National River and Recreation Area BISO – 5130 Cycle 4











Big South Fork National River and Recreation Area in Tennesse / Kentucky

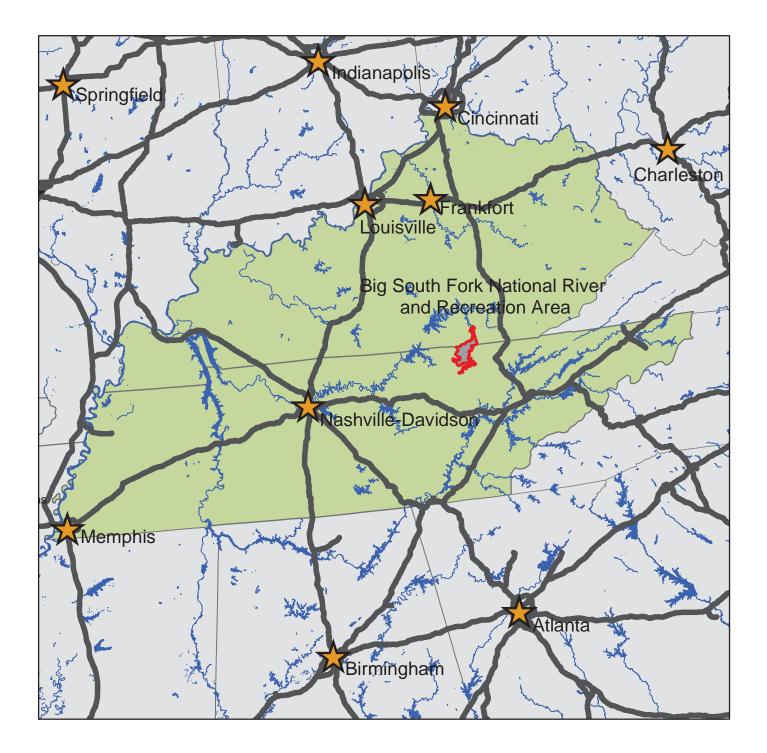




TABLE OF CONTENTS

	<u>SECTION</u>	PAGE
1.	INTRODUCTION	1 - 1
2.	PARK SUMMARY INFORMATION Paved Route Miles and Percentages by Functional Class and PCR ARAN Road Condition Summary Parkwide Condition Summary Cycle 2 vs Cycle 3 vs Cycle 4 Condition Comparisons	2 - 1 2 - 2 2 - 7 2 - 8
3.	PARK ROUTE LOCATION / CONDITION MAPS Route Location Key Map Route Location Area Map Route Condition Key Map – PCR Mile by Mile Route Condition Area Map – PCR Mile by Mile	3-1 3-2 3-9 3-10
4.	PARK ROUTE INVENTORY Route Identification Report	4 – 1
5.	PAVED ROUTE CONDITION RATING SHEETS (CRS) CRS Pages	5 – 1
6.	MANUALLY RATED PAVED ROUTE CONDITION RATING SHEETS (MRR) MRR Pages	6 – 1
7.	PARKING AREA CONDITION RATING SHEETS Paved Parking Area Pages	7 – 1
8.	PARKWIDE / ROUTE MAINTENANCE FEATURES SUMMARIES Parkwide Maintenance Features Summary Route Maintenance Features Summary Structure List	8 - 1 8 - 2 8 - 6
9.	PARK ROUTE MAINTENANCE FEATURES ROAD LOGS Route Maintenance Features Road Logs	9 – 1
10.	APPENDIXA. Glossary of Terms and AbbreviationsB. Description of Rating SystemC. General Information on RIP SystemsD. Metadata	10 - 1 10 - 2 10 - 8 10 - 11

Big South Fork National River and Recreation Area



Section 1 Introduction

INTRODUCTION

Background: In 1976, the National Park Service (N PS) and the Federal Highway Adm inistration (FHW A) entere d into a Mem orandum of Agreem ent (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 m aintain and update RIP data in order to develop long-range costs and program s to bring National Pa rk Service (NPS) roads up to, or to maintain, designated standards, and establish a m aintenance m anagement program.

The FHWA's Federal Lands Highway (FLH) was assigned the task of identifying condition deficiencies and corrective priorities along with a ssociated corrective costs, inventorying m aintenance 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 m aintain and update the RIP data, a cyclical data collection and reporting process was reestablished in the 1990's. The F LH com pleted two cycles of RIP data collection between 1994 and 2001. Cyc le 1 was collected in 44 large parks from 1994 to 1996. 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 sm all parks containing 4,874 route m iles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book". Cycle 3 was com pleted from 2001 through 2004, and included data collection in all parks that contain pavement.

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

In 1998, the Transportation Equity Act for the 21 st Century (TEA-21) am ended Title 23 U.S.C., and inserted Section 204(a)(6) which requires the Federal Highway Adm inistration 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 res ult of the requirements in TEA-21, the NPS and FHW A are in the process of devel oping a PMS. The PM S will assist the decision-makers in effectively spending limited PRP Program funds. The PMS will prov ide inf ormation f or pla nning and programm ing road m aintenance, rehabilitation, and reconstruction a ctivities. RIP data will provide the basic information for this system.

Key inf ormation in cluded in the R IP is the m ileage inven tory and condition assessments accomplished by the RIP Program. The mileage and condition data are used in the current allocation formula of PRP Program funds.

<u>RIP Cycle 4:</u> Cycle 4 data collection was initiated in spring 2006, where 86 large parks, consisting of 5,553 route miles and 6,232 paved parking areas, were selected as a representative sample of the entire NPS paved road network. Cycle 4 is scheduled for com pletion in spring 2009 and will serve the PMS in further development of its pavement preservation techniques.

In the Cycle 4 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 Pavem ent 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 the data presented in this report. Anyone having questions or comments regarding the conten ts of this report is encour aged to contact the FHW A RI P Coordinator. It is our aim to provide exceptional customer satisfaction in our delivery of the RIP program.

The FHWA RIP Team

FHWA/EFL	HD	FHWA/CFL	HD
21400 R	idgetop Circ	le	12300 West Dakota Ave.
Sterling,	VA 20166		Lakewood, CO 80228
(703) 40	4-6371	(720)	963-3560

Big South Fork National River and Recreation Area

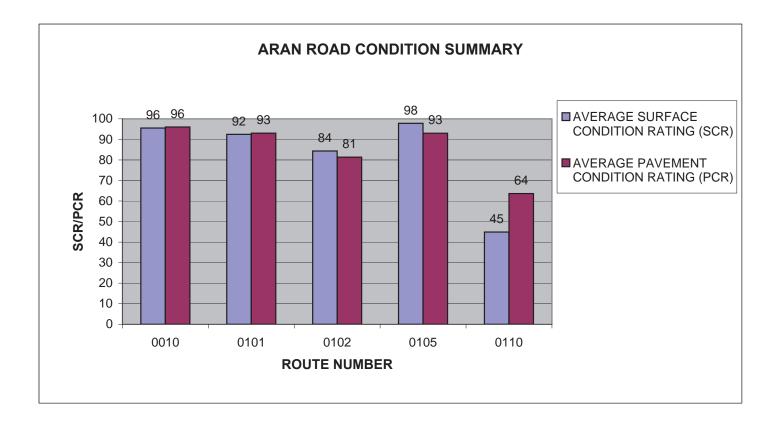


Section 2 Park Summary Information

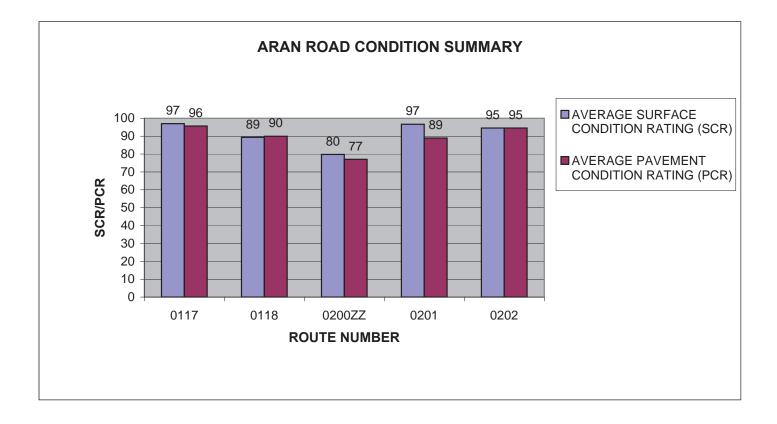
BISO: PAVED ROUTE MILES AND PERCENTAGES BY FUNCTIONAL CLASS AND PCR

	Pavement Condition Rating (PCR)													
	Poor (•	<=60)	Fair (6	1-84)	Good	(85-94)	Excellent	TOTAL						
F.C.	MILES	%	MILES	%	MILES	%	MILES	%	MILES					
1	0.13	0.69%	0.27	1.42%	1.60	8.44%	5.56	29.32%	7.56					
2	0.34	1.79%	0.87	4.59%	2.19	11.55%	4.46	23.52%	7.86					
3	0.12	0.63%	1.24	6.54%	0.99	5.22%	1.15	1.15 6.07%						
4														
5			0.02	0.11%			0.02	0.11%	0.04					
6														
7														
8														
Totals	0.59 3.11% 2.40 12.66% 4.78 25.21% 11.19 59.02%													

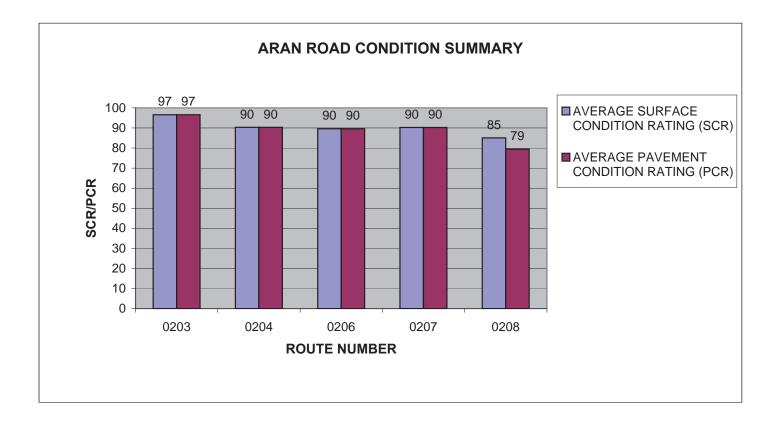
ROUTE NUMBER	ROUTE NAME		ROUTE LENGTH		AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	LEATHERWOOD FORD ROAD (STATE HIGHWAY 297)	1	7.56	ASPHALT	96	96
0101	BANDY CREEK ROAD	2	1.94	ASPHALT	92	93
0102	STABLE ROAD	2	0.18	ASPHALT	84	81
0105	EAST RIM OVERLOOK ROAD	2	0.69	ASPHALT	98	93
0110	BREWSTER BRIDGE ROAD	2	0.58	ASPHALT	45	64



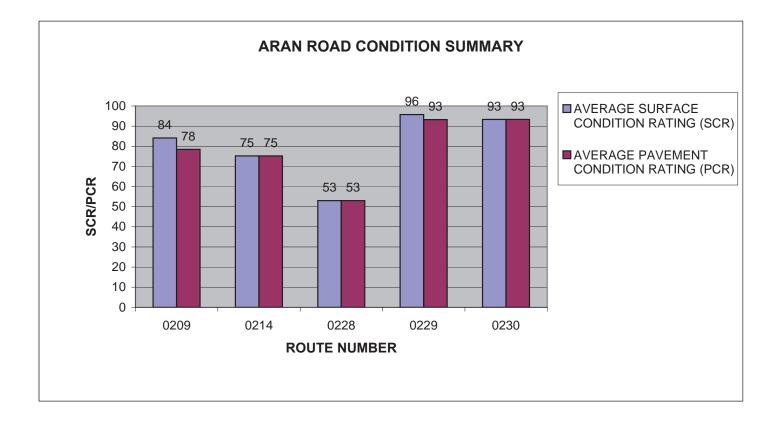
ROUTE		FUNCT	ROUTE	SURFACE	AVERAGE SURFACE CONDITION	AVERAGE PAVEMENT CONDITION
NUMBER	ROUTE NAME	CLASS	LENGTH	TYPE	RATING (SCR)	RATING (PCR)
0117	BLUE HERON ROAD (HWY 742)	2	3.14	ASPHALT	97	96
0118	BLUE HERON OVERLOOK ROAD	2	1.33	ASPHALT	89	90
	BANDY CREEK CAMPGROUND AREA A ACCESS					
0200ZZ	ROADS	3	0.77	ASPHALT	80	77
	BANDY CREEK CAMPGROUND AREAS B C AND D					
0201	ACCESS ROAD	3	0.38	ASPHALT	97	89
0202	BANDY CREEK CAMPGROUND AREA B ACCESS ROAD	3	0.15	ASPHALT	95	95



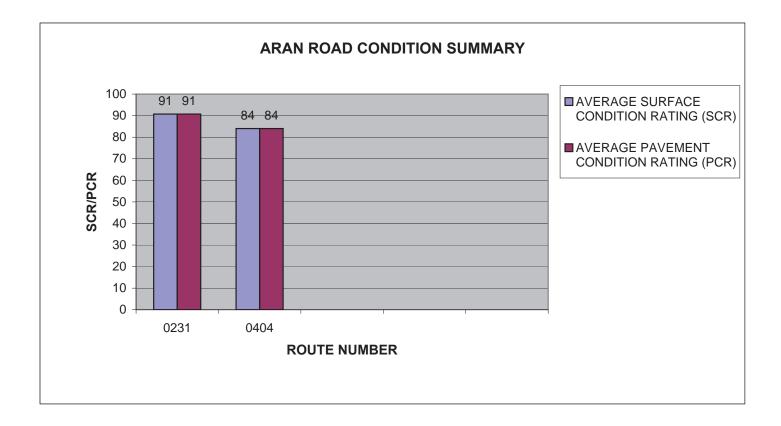
ROUTE					AVERAGE SURFACE CONDITION	AVERAGE PAVEMENT CONDITION
NUMBER	ROUTE NAME	CLASS	LENGTH	ТҮРЕ	RATING (SCR)	RATING (PCR)
0203	BANDY CREEK CAMPGROUND AREA C ACCESS ROAD	3	0.28	ASPHALT	97	97
0204	BANDY CREEK CAMPGROUND AREA C LOOP ROAD	3	0.06	ASPHALT	90	90
0206	BANDY CREEK CAMPGROUND AREA D LOOP 1 ROAD	3	0.1	ASPHALT	90	90
0207	BANDY CREEK CAMPGROUND AREA D LOOP 2 ROAD	3	0.08	ASPHALT	90	90
0208	BANDY CREEK CAMPGROUND AREA E ACCESS ROAD	3	0.32	ASPHALT	85	79



ROUTE	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH		AVERAGE SURFACE CONDITION	AVERAGE PAVEMENT CONDITION RATING (PCR)
0209	BANDY CREEK CAMPGROUND AREA E LOOP ROAD	3	0.17		()	78
0214	BANDY CREEK AREA F ACCESS ROAD	3	0.09	ASPHALT	75	75
0228	BANDY CREEK CAMPGROUND AREA A LOOP ROAD	3	0.06	ASPHALT	53	53
0229	BLUE HERON CAMPGROUND ROAD	3	0.83	ASPHALT	96	93
0230	BLUE HERON CAMPGROUND LOOP 1	3	0.06	ASPHALT	93	93



					AVERAGE SURFACE	AVERAGE PAVEMENT
ROUTE		FUNCT	ROUTE	SURFACE	CONDITION	CONDITION
NUMBER	ROUTE NAME	CLASS	LENGTH	TYPE	RATING (SCR)	RATING (PCR)
0231	BLUE HERON CAMPGROUND LOOP 2	3	0.15	ASPHALT	91	91
0404	BLUE HERON MAINTENANCE ROAD	5	0.04	ASPHALT	84	84

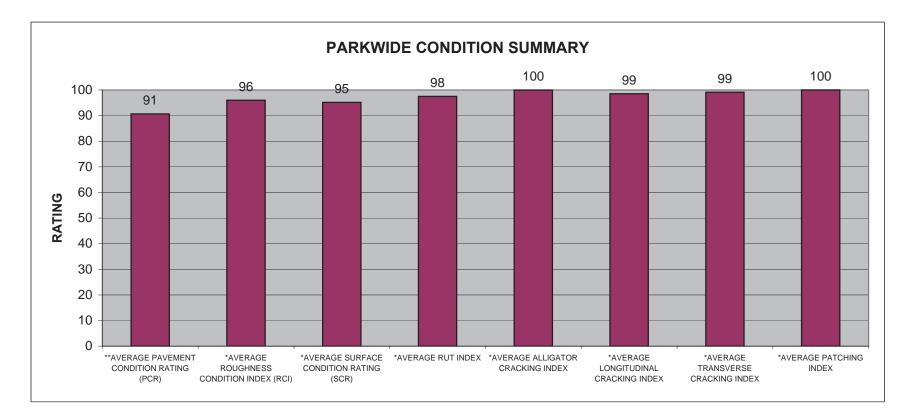


BISO: PARKWIDE CONDITION SUMMARY

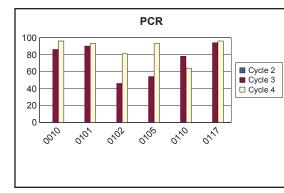
**AVERAGE	*AVERAGE	*AVERAGE		*AVERAGE	*AVERAGE	*AVERAGE	
PAVEMENT	ROUGHNESS	SURFACE		ALLIGATOR	LONGITUDINAL	TRANSVERSE	*AVERAGE
CONDITION	CONDITION	CONDITION	*AVERAGE	CRACKING	CRACKING	CRACKING	PATCHING
RATING (PCR)	INDEX (RCI)	RATING (SCR)	RUT INDEX	INDEX	INDEX	INDEX	INDEX
91	96	95	98	100	99	99	100

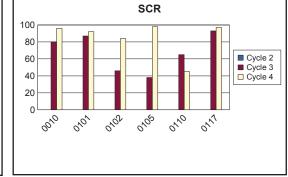
** PCR Index is based on all ARAN-driven roads, parking areas, and manually rated routes.

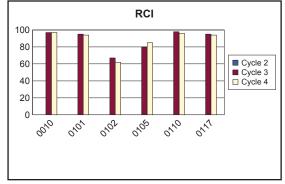
* Index values are based on ARAN-driven roads only.



				1	EMENT RATIN		DITION CR)	S	SURFACE CONDITION RATING (SCR)				ROUG	I		
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT
0010	7.56	0.00	7.56	N/A	86	96	+12%	N/A	80	96	+20%	N/A	97	97	0%	
0101	1.95	0.00	1.95	N/A	90	93	+3%	N/A	87	92	+6%	N/A	95	94	-1%	
0102	0.18	0.00	0.18	N/A	46	81	+76%	N/A	46	84	+83%	N/A	67	62	-7%	
0105	0.69	0.00	0.69	N/A	54	93	+72%	N/A	38	98	+158%	N/A	80	85	+6%	
0110	0.58	0.00	0.58	N/A	78	64	-18%	N/A	65	45	-31%	N/A	98	96	-2%	
0117	3.15	0.00	3.15	N/A	94	96	+2%	N/A	93	97	+4%	N/A	95	94	-1%	



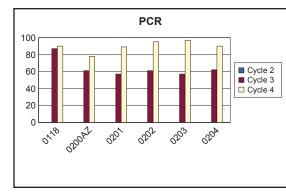


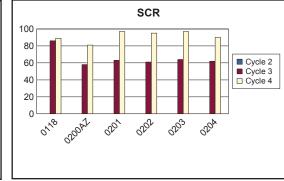


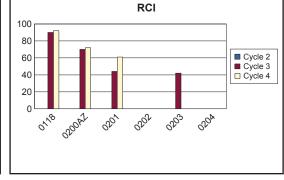
Cycle 4 Data Collected 5/30/2009 - 5/31/2009

Page 2 - 8

					EMENT RATII		DITION CR)	S	SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT	
0118	1.34	0.00	1.34	N/A	87	90	+3%	N/A	86	89	+3%	N/A	90	92	+2%		
0200AZ	0.69	0.00	0.69	N/A	61	78	+28%	N/A	58	81	+40%	N/A	70	72	+3%	Collected as Route 0200 in Cycle 3.	
0201	0.38	0.00	0.38	N/A	57	89	+56%	N/A	63	97	+54%	N/A	44	61	+39%		
0202	0.15	0.00	0.15	N/A	61	95	+56%	N/A	61	95	+56%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.	
0203	0.28	0.00	0.28	N/A	57	97	+70%	N/A	64	97	+52%	N/A	42	N/A	N/A	No RCI collected in Cycle 4.	
0204	0.06	0.00	0.06	N/A	62	90	+45%	N/A	62	90	+45%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.	



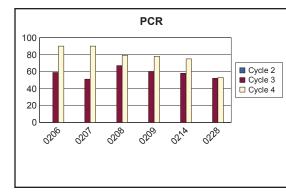


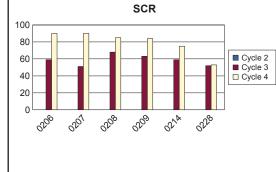


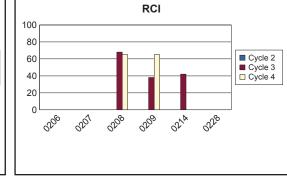
Cycle 4 Data Collected 5/30/2009 - 5/31/2009

Page 2 - 9

					EMENT RATII		DITION CR)	SURFACE CONDITION RATING (SCR)					ROUGHNESS CONDITION INDEX (RCI)				
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT	
0206	0.11	0.00	0.11	N/A	59	90	+53%	N/A	59	90	+53%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.	
0207	0.08	0.00	0.08	N/A	51	90	+76%	N/A	51	90	+76%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.	
0208	0.32	0.00	0.32	N/A	67	79	+18%	N/A	68	85	+25%	N/A	68	65	-4%		
0209	0.17	0.00	0.17	N/A	60	78	+30%	N/A	63	84	+33%	N/A	38	65	+71%		
0214	0.10	0.00	0.10	N/A	58	75	+29%	N/A	59	75	+27%	N/A	42	N/A	N/A	No RCI collected in Cycle 4.	
0228	0.06	0.00	0.06	N/A	52	53	+2%	N/A	52	53	+2%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.	



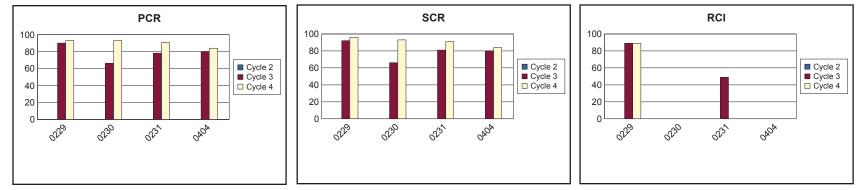




Cycle 4 Data Collected 5/30/2009 - 5/31/2009

Page 2 - 10

			PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)					
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT
0229	0.83	0.00	0.83	N/A	90	93	+3%	N/A	92	96	+4%	N/A	89	89	0%	
0230	0.06	0.00	0.06	N/A	66	93	+41%	N/A	66	93	+41%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.
0231	0.15	0.00	0.15	N/A	78	91	+17%	N/A	81	91	+12%	N/A	49	N/A	N/A	No RCI collected in Cycle 4.
0404	0.04	0.00	0.04	N/A	80	84	+5%	N/A	80	84	+5%	N/A	N/A	N/A	N/A	No RCI collected in Cycles 3 and 4.



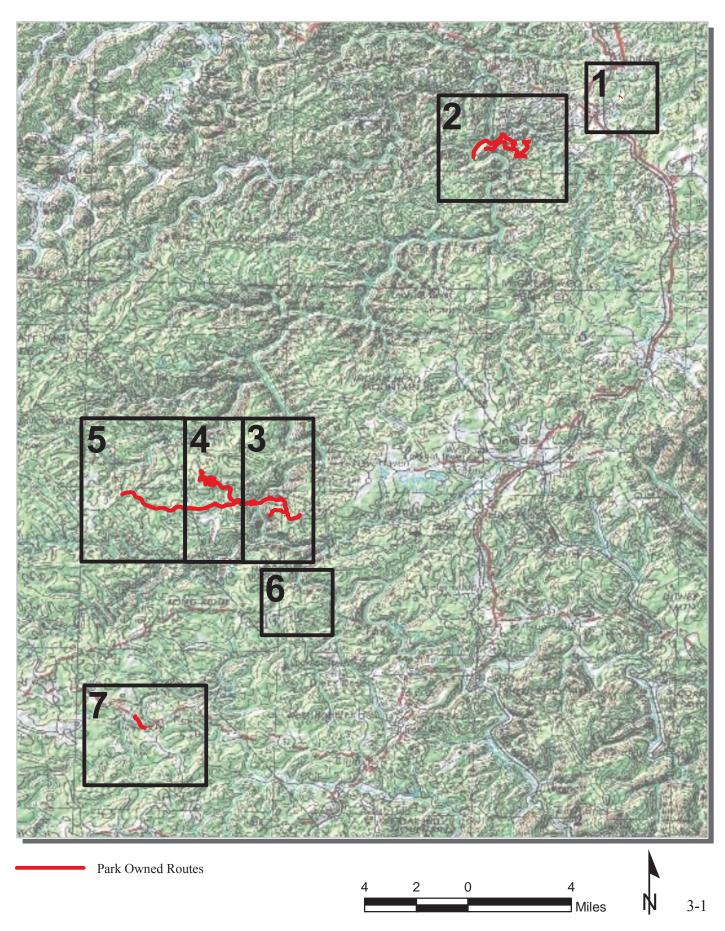
Cycle 4 Data Collected 5/30/2009 - 5/31/2009

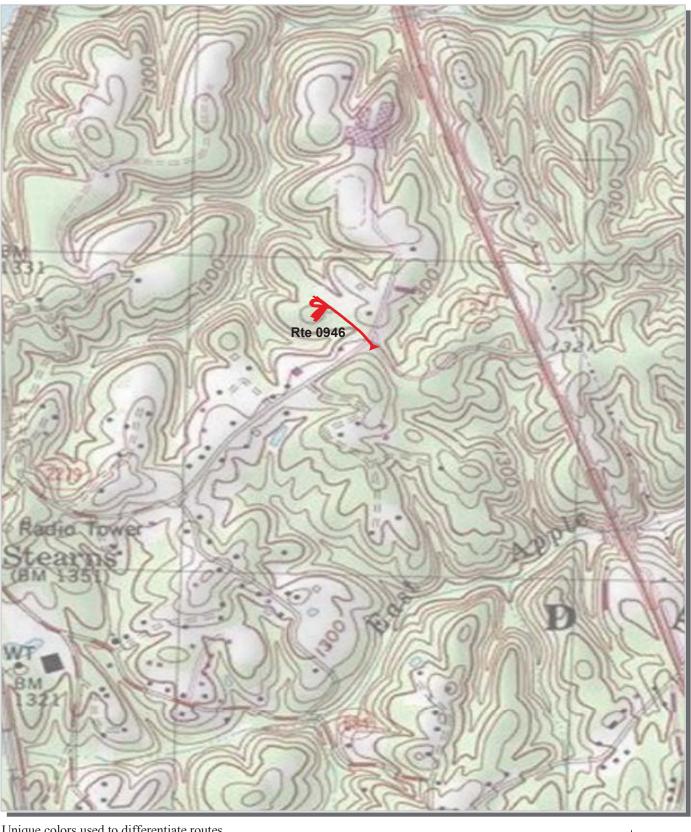
Page 2 - 11

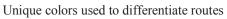
Big South Fork National River and Recreation Area



Section 3 Park Route Location / Condition Maps





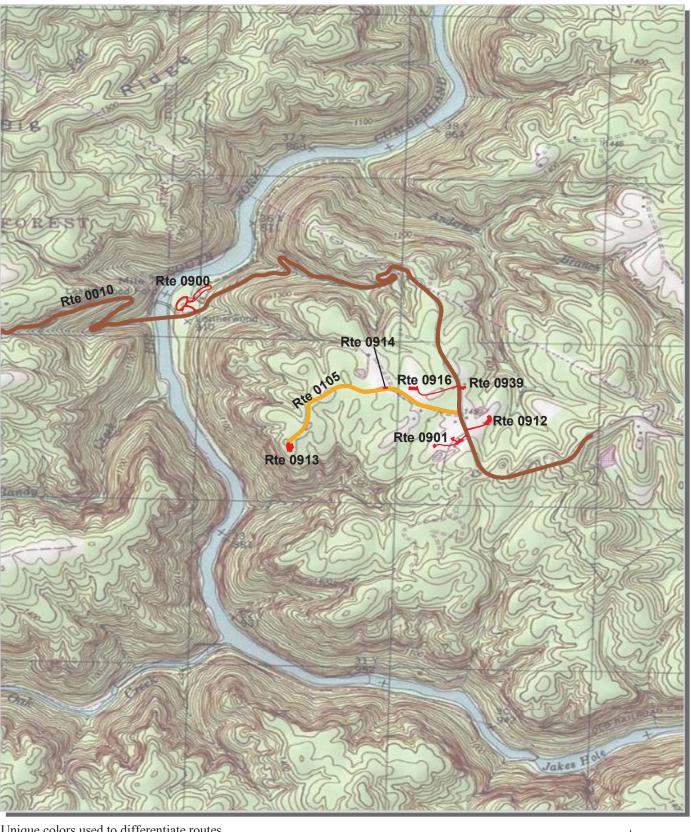






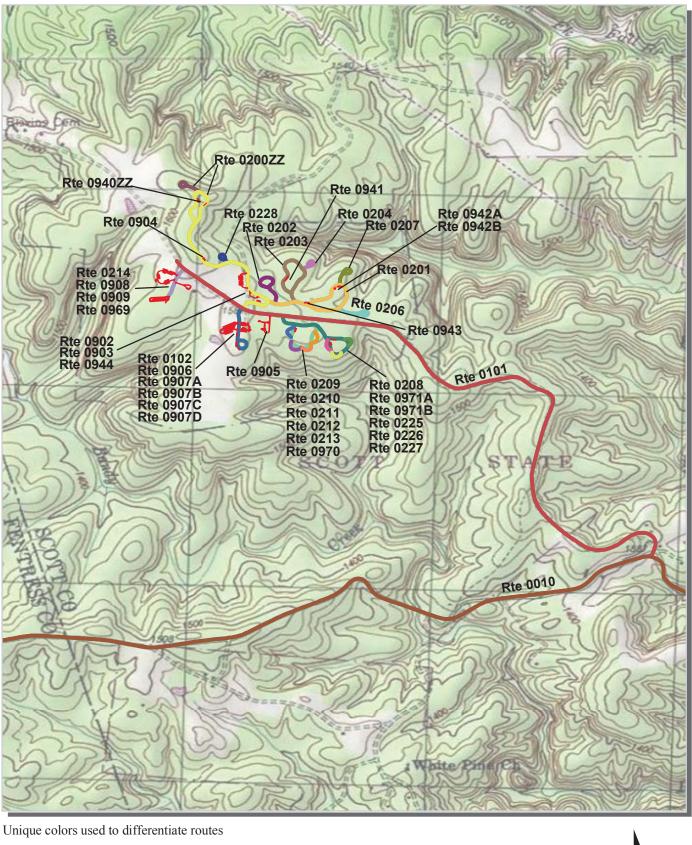
Unique colors used to differentiate routes



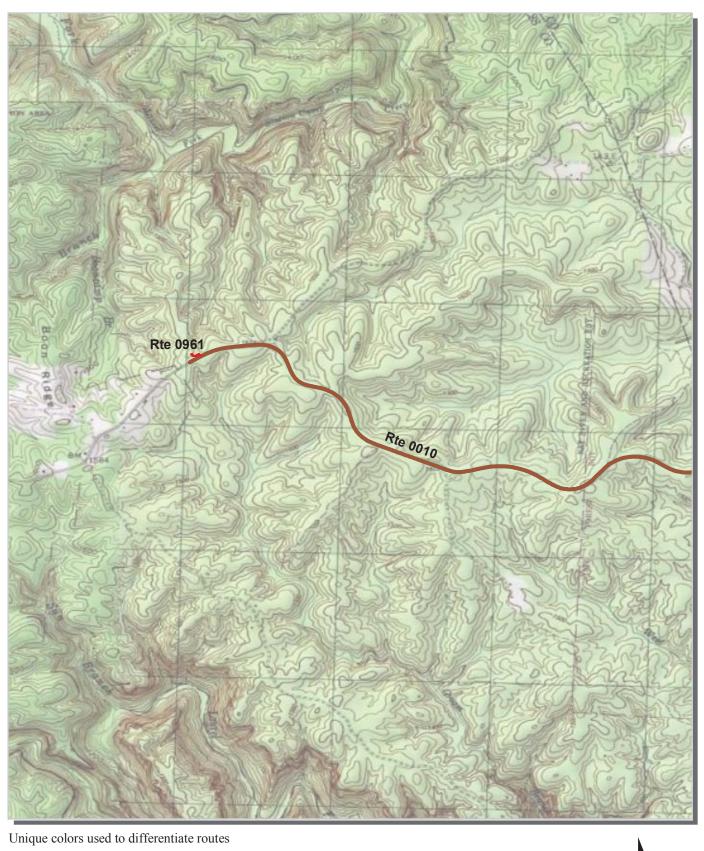


Unique colors used to differentiate routes

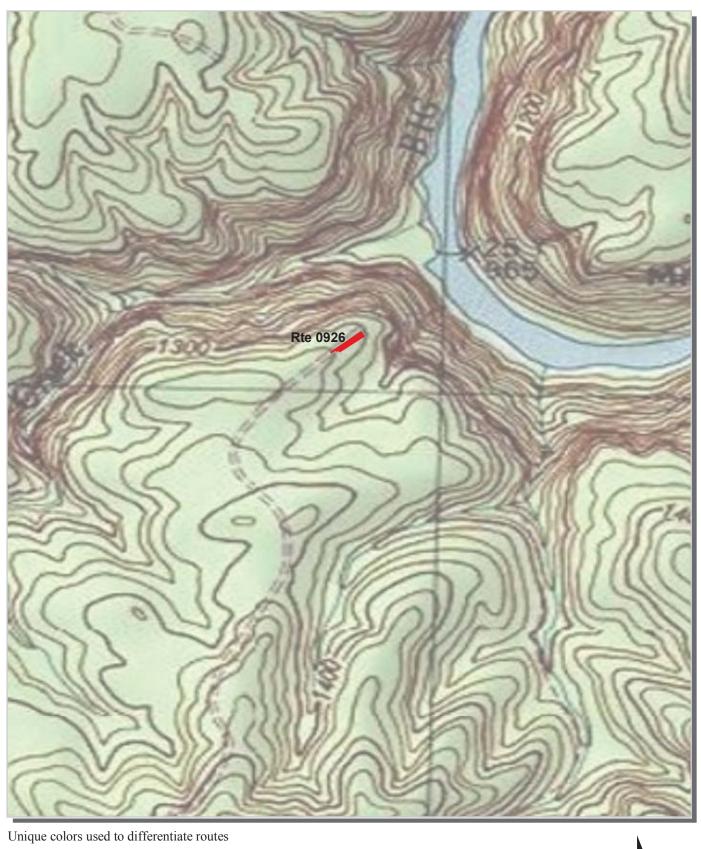


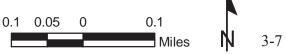


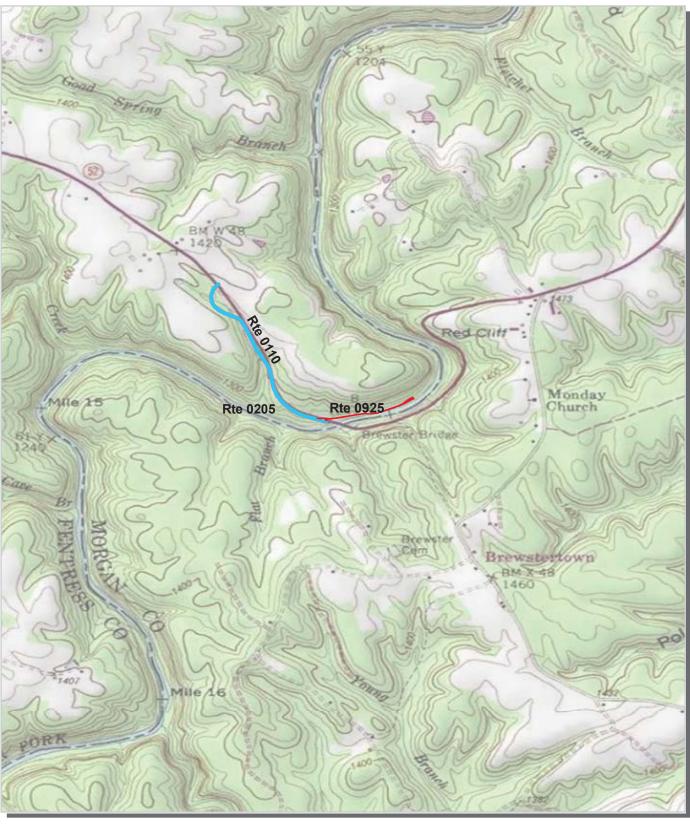






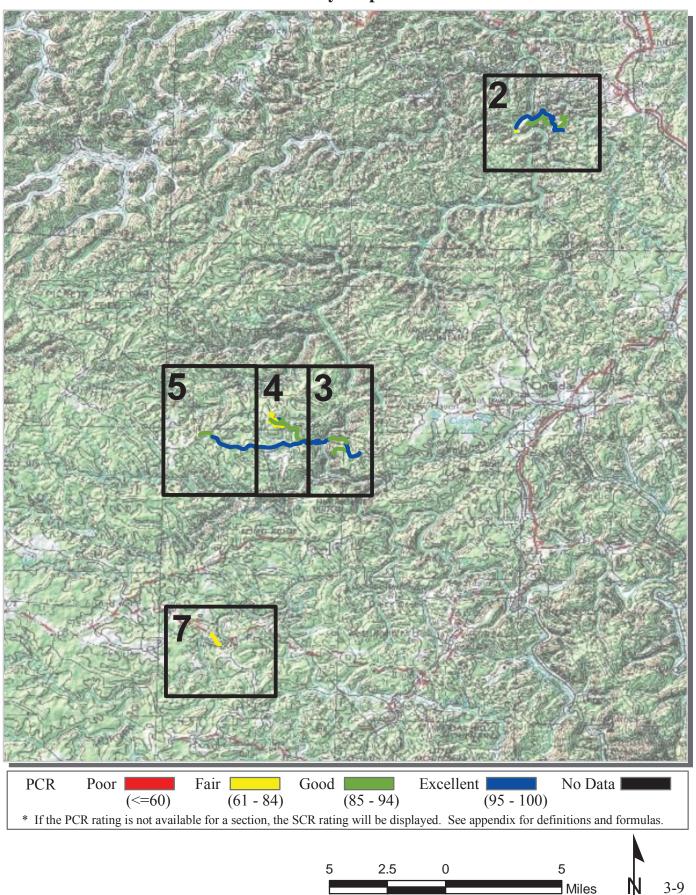


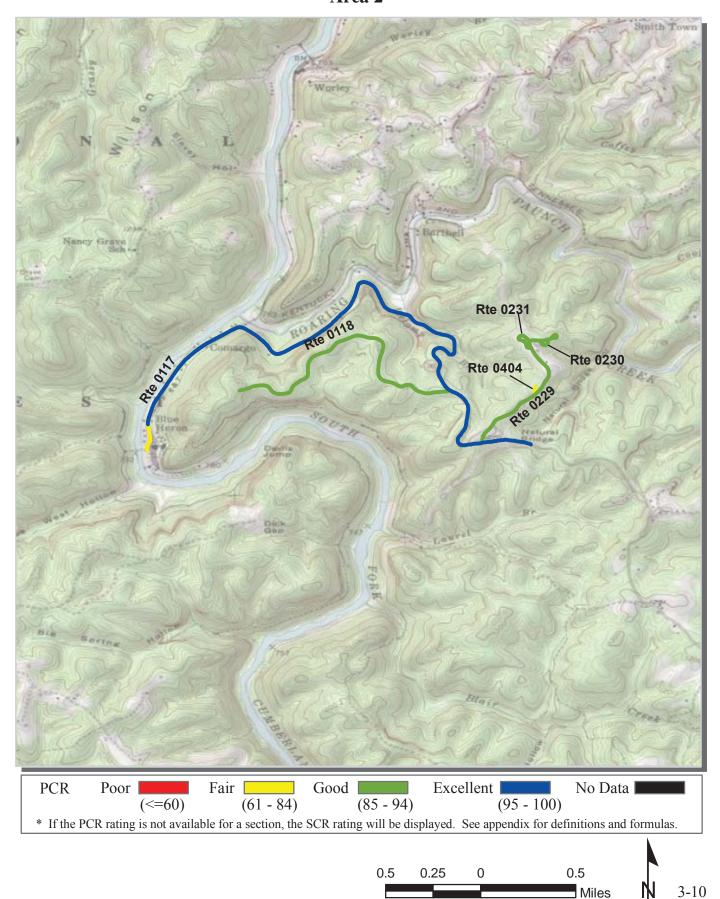


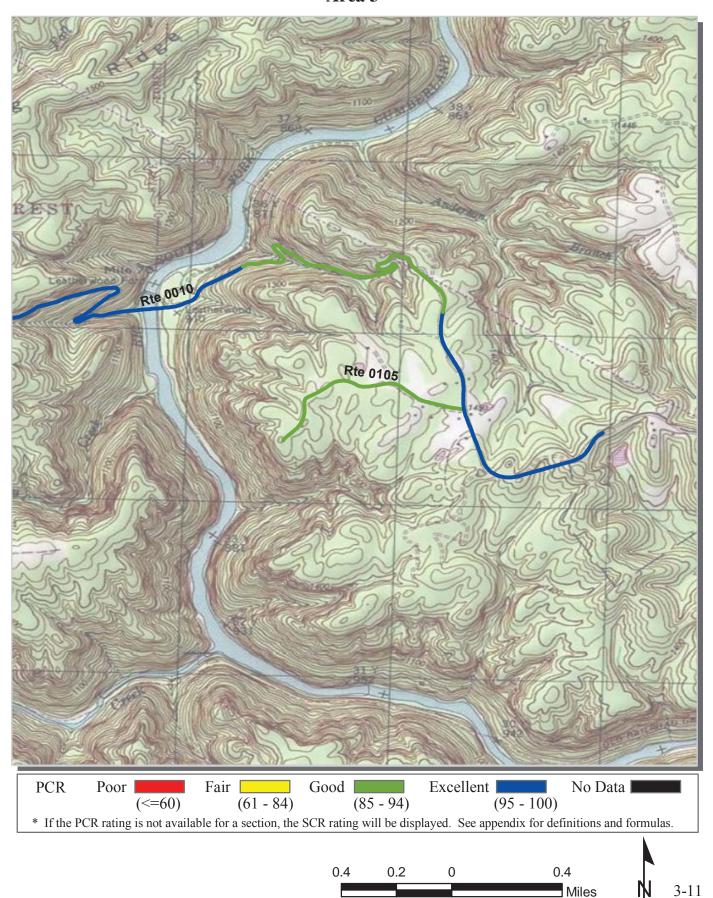


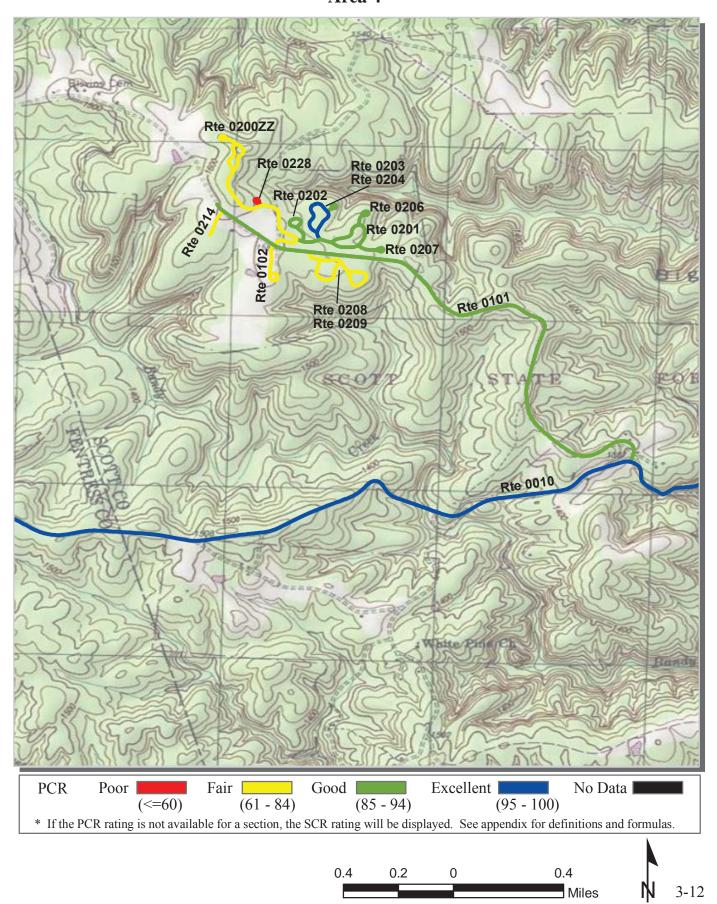
Unique colors used to differentiate routes

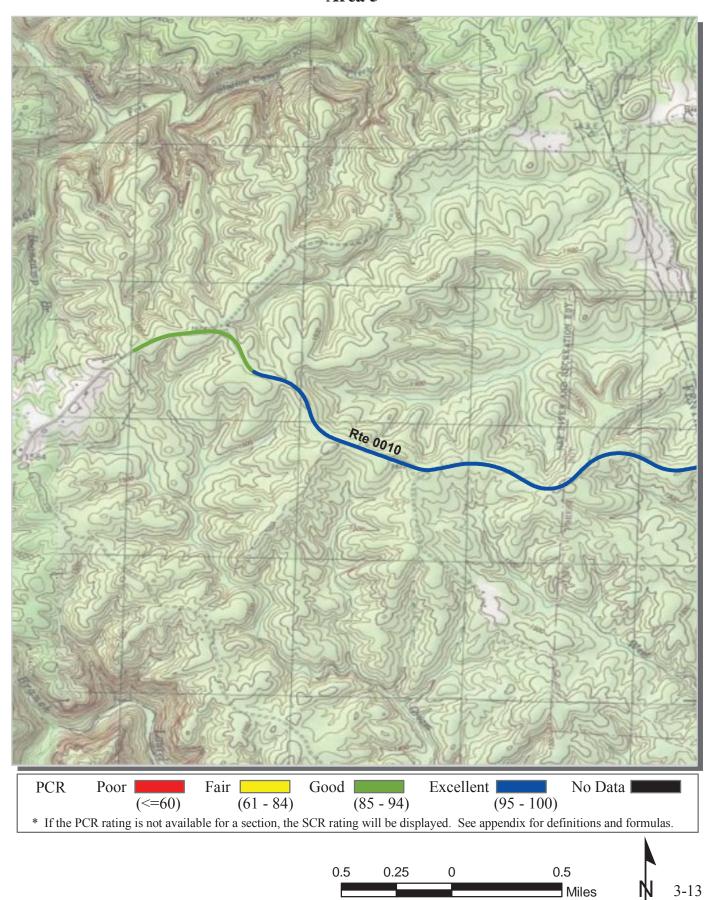


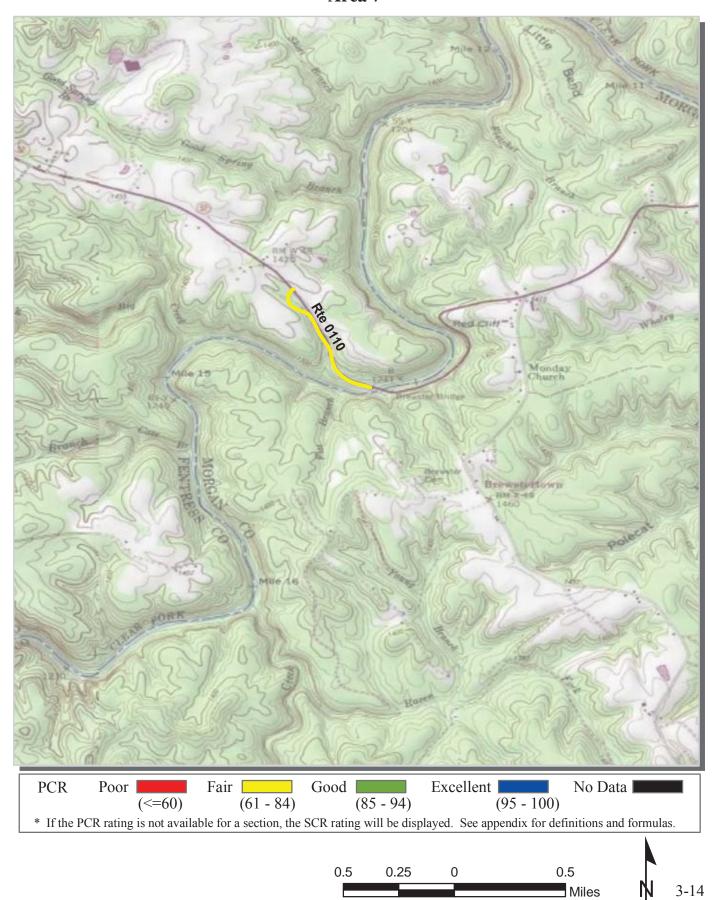












Big South Fork National River and Recreation Area



Section 4 Park Route Inventory