DEWA
Cycle 6

Final Report

Road Inventory and Condition Assessment of Paved Routes
Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Road Inventory Program (RIP)

Report Date: May 2020

Delaware Water Gap National Recreation Area
in
New Jersey and Pennsylvania

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
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Introduction

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Introduction

The Federal Highway Administration's (FHWA), Road Inventory Program (RIP) inventories all roads and parking areas in the National Park System, and performs condition inspections on all paved roads and parking areas for the National Park Service (NPS). This report contains the results of the Cycle 6 condition assessment of paved roads and parking lots for this park unit. This assessment was done using an automated, state-of-the-art pavement inspection vehicle as well as manual ratings. This information represents the condition of the paved assets at the time of the inspection. The pavement management system utilized by FHWA and the NPS uses these assessments to estimate future conditions and help prioritize pavement maintenance and rehabilitation projects. Further information about RIP data and its role in managing paved roads and bridges can be obtained by contacting the NPS Regional Transportation Program Manager.

A History of the Road Inventory Program:

The FHWA, in the mid-1970s, was charged with the task of identifying surface condition deficiencies and corrective priorities on NPS roads and parkways. Additionally, FHWA was tasked with establishing an integrated maintenance features inventory, locating features such as culverts, guardrails, and signs, among others, along NPS roads and parkways. As a result, in 1976 the NPS and FHWA entered into a Memorandum of Agreement (MOA) which established the RIP. This MOA was revised in 1980 to update RIP data collection standards and develop a long-range program to improve and maintain NPS roads to designated condition standards and establish a pavement management program.

The FHWA completed the initial phase of inventory in the early 1980s. As a result of this effort, each NPS unit included in the collection received a RIP Report known as the "Brown Book" which contained information that was inventoried during this first RIP phase. In the 1990s, a cyclical program was developed, and since then five cycles of collection have been completed. Cycle 6 is currently in progress. A summary of the RIP collection cycles is shown in the table below.

Cycle	Years	Parks Collected
Cycle 1	1994 - 1997	° 44 Large Parks
Cycle 2	1997 - 2001	° 79 Large Parks ° 5 Small Parks
Cycle 3	2001 - 2004	° All Large Parks ° All Small Parks
Cycle 4	2006 - 2010	° 86 Large Parks ° Several Small Parks
Cycle 5	2010 - 2014	° All Large Parks (Only functional class 1, 2, 7, and new/modified routes collected) ° All Small Parks (all roads and parking areas collected)
Cycle 6	2014 – 2020 (±)	° All roads and parking areas collected at all Parks ° Additional partial collections of functional class 1, 2, and 7 roads at Large Parks ° Cycle 6 is expected to last 6 years

Note: Large Parks have ≥ 10 Paved Miles; Small Parks have < 10 Paved Miles

Since 1984, the Road Inventory Program has been funded through the Federal Lands Highway Park Roads and Parkways (PRP) Program. Currently, coordination of the RIP with Federal Lands Highway (FLH) is under the NPS Washington Headquarters Park Facility Management Division. 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) requiring the FHWA and NPS, to develop by rule, a Pavement Management System (PMS) applied to park roads and parkways serving the National Park System.

In 2012, the Moving Ahead for Progress in the 21st Century Act (MAP-21) amended Title 23 U.S.C., and under Section 203(c)(1-2) stated that the National Park Service in cooperation with the DOT/FHWA, shall maintain a comprehensive national inventory of their transportation facilities, with the goal of quantifying transportation infrastructure needs within the National Park System.

A History of the Pavement Management System:

In 2005, the FHWA began implementing the use of a pavement management system to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The system used by FHWA is the Highway Pavement Management Application (HPMA), which has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Regional, Park, or Route level. Regional prioritized lists and optimizations have been produced for most regions, and the Service's overall roadway Deferred Maintenance is calculated via the HPMA.

Overview of Cycle 6:

Cycle 6 launched in the spring of 2014 and will again comprise all NPS park units that are served by paved roads and/or parking areas. For Cycle 6, all paved roads (approximately 5,700 miles) and parking areas will be collected in all parks at least once, while the primary routes (functional class 1, 2, and 7 roads) at Large Parks will have additional collections. These multiple collections will provide updated condition data on a majority of the NPS's primary road network and help build a better pavement management system, allowing for more accurate pavement performance prediction models.

FLH is responsible for the accuracy of all data presented in this report. Any questions or comments concerning the contents of this report should be directed to the national RIP Coordinator located in Sterling, Virginia.

Respectfully,

FHWA RIP Team

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Section 2
Park Route Inventory

Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Report Date: 05/14/2020

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0010	6	2	29402		OLD MINE ROAD (SOUTH SECTION)	FROM NORTH WORTHINGTON STATE FOREST BOUNDARY (SOUTHERN DEWA BOUNDARY)	TO INTERSECTION OF ROUTE 0110 (POMPEY RIDGE ROAD) AND ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))		YES	13.47	0.00	13.47	1		AS	1,2,2B
0011	6	2	29364		KUHN ROAD	FROM INTERSECTION OF ROUTE 0113 (NPS ROUTE 615), ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD), AND ROUTE 5009 (NJ CR 615 (BEVANS ROAD))	TO ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))		YES	0.79	0.00	0.79	2		AS	1B
0012	6	2	54399		PETERS VALLEY - WAGONWHEEL ROAD	FROM INTERSECTION OF ROUTE 0113 (NPS ROUTE 615), ROUTE 0011 (KUHN ROAD), AND ROUTE 5009 (NJ CR 615 (BEVANS ROAD))	TO BEGINNING OF ROUTE 0015 (OLD MINE ROAD (NORTH SECTION) AND ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION)) ON LEFT		YES	1.08	0.00	1.08	2		AS	1B
0013	6	2	31274		NATIONAL PARK DRIVE	FROM ROUTE 5010 (PA 611) AT NORTH DELAWARE DRIVE	TO BEGINNING OF ROUTE 0213 (NATIONAL PARK DRIVE (DIRT SECTION)) AT GATE		YES	0.83	0.00	0.83	2		AS	2A
0014	6	2	31280		U.S. HIGHWAY 209	FROM END OF ROUTE 5018 (U.S. HIGHWAY 209 SOUTH / NON NPS) AT SOUTH PARK BOUNDARY MARKER AT BUSHKILL	TO BEGINNING OF ROUTE 5019 (U.S. HIGHWAY 209 NORTH / NON NPS) AT SAWKILL CREEK BRIDGE		YES	21.05	0.00	21.05	1		AS	1,1A,1B, 2
0015	6	2	49270		OLD MINE ROAD (NORTH SECTION)	FROM INTERSECTION OF ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION)) AND ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)	TO SR 206 (DISABLED AMERICAN VETERANS MEMORIAL HIGHWAY), BEGINNING OF ROUTE 5002 (DECKERTOWN TURNPIKE) AND BEGINNING OF ROUTE 5015 (RIVER ROAD NJ)		YES	7.58	0.00	7.58	1		AS	1,1B

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0100	6	2	29479		BLUE MOUNTAIN LAKE ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 7.49 ON RIGHT	TO PARK BOUNDARY AND SKYLINE DRIVE ON LEFT		YES	2.88	0.00	2.88	2		AS	1
0101	NC		29391		OLD MINE ROAD (UNPAVED SECTION)	FROM INTERSECTION OF ROUTE 0110 (POMPEY RIDGE ROAD) AND ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO INTERSECTION OF ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD) AND ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))		NO	0.00	5.48	5.48	3		GR	
0102	NC		30991		THUNDER MOUNTAIN ROAD	FROM ROUTE 0011 (KUHN ROAD)	TO CAMP LODGE		NO	0.00	2.54	2.54	3		GR	
0103	6	2	29386		OLD DINGMANS BRIDGE ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) AT MP 0.67 ON RIGHT	TO PARK BOUNDARY		NO	0.87	0.00	0.87	6		AS	1B
0104	6	2	29421		UPPER RIDGE ROAD	FROM ROUTE 5007 (NJ 560 (DINGMANS ROAD))	TO END OF MAINTENANCE		YES	0.72	0.00	0.72	3		AS	1B
0105	6	2	31277		RIVER ROAD	FROM STATE HIGHWAY 2028 (RIVER ROAD)	TO PARK BOUNDARY AT PAVEMENT CHANGE		YES	5.89	0.00	5.89	2		AS	2B
0106	6	2	29313		JAGER ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) AT MP 4.24 ON RIGHT	TO PARK BOUNDARY AT PAVEMENT CHANGE		YES	0.68	0.00	0.68	2		AS	1
0107	6	2	29312		FISHER SCHOOL HOUSE ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) AT MP 2.16 ON RIGHT	TO ROUTE 0104 (UPPER RIDGE ROAD)		YES	0.54	0.00	0.54	3		AS	1B
0108	NC		29368		MOUNTAIN ROAD	FROM INTERSECTION OF ROUTE 0600 (MAIN STREET (WALPACK)), ROUTE 0601 (STRUBLE ROAD) AND BROOK ROAD	TO OLD HANEYS MILL ROAD		NO	0.00	3.34	3.34	2		GR	

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DEWA Delaware Water Gap National Recreation Area

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Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0109	6	2	29365		NPS 602	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 5.97 ON RIGHT	TO BEGINNING OF ROUTE 5008 (NJ 602 (MILLBROOK ROAD / NON NPS)) PARK BOUNDARY AT PAVEMENT CHANGE		YES	1.73	0.00	1.73	2		AS	2
0110	6	2	29404		POMPEY RIDGE ROAD	FROM ROUTE 0113 (NPS ROUTE 615) AT MP 5.23 ON LEFT	TO END OF ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AND ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION)) ON RIGHT		YES	1.12	0.00	1.12	3		AS	1
0112ZZ	6	2	31264		JOHNNY BEE ROADS	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO BEGINNING OF ROUTE 0218 (DINGMANS FALLS ROAD) WEST SIDE AND ROUTE 5011 (PA 739)		YES	0.72	0.00	0.72	3		AS	1B
0113	6	2	29369		NPS ROUTE 615	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 8.13 ON RIGHT	TO INTERSECTION OF ROUTE 0011 (KUHN ROAD), ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)), AND ROUTE 5009 (NJ CR 615 (BEVANS ROAD))		YES	9.72	0.00	9.72	1		AS	1,1B
0114	6	2	31890		SCHOOL HOUSE ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 12.80 ON RIGHT	TO ROUTE 0958 (DINGMANS SCHOOL PARKING AREA)		YES	0.12	0.00	0.12	2		AS	1B
0115	6	2	55557		ICE HOUSE ROAD	FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD)	TO FRONT STREET ON RIGHT		YES	0.18	0.00	0.18	3		AS	1A
0116	NC		55559		MILFORD RIVER ROAD	FROM ROUTE 0115 (ICE HOUSE ROAD)	TO PARK BOUNDARY		NO	0.00	0.12	0.12	3		GR	
0117	NC		55558		MAPLE LANE	FROM ROUTE 0115 (ICE HOUSE ROAD)	TO ROUTE 0116 (MILFORD RIVER ROAD)		NO	0.00	0.06	0.06	4		GR	

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Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0118	NC		29305		CADOO ROAD	FROM ROUTE 5015 (RIVER ROAD NJ) APPROX. 1.6 MILES NORTH OF MILFORD BRIDGE	TO END		NO	0.00	1.21	1.21	2		GR	
0119	NC		29307		CHUDZIK TRACT ACCESS ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) AT ENNIS HOUSE	TO RIVER		NO	0.00	0.75	0.75	2		GR	
0120	NC		30090		BIG EGYPT ROAD	FROM TOMS CREEK PICNIC ACCESS ROAD AT NORTH END	TO BOUNDARY		NO	0.00	1.00	1.00	2		GR	
0121	NC		30094		ZIMMERMAN ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO ROUTE 0014 (U.S. HIGHWAY 209)		NO	0.00	2.37	2.37	2		GR	
0122	NC		30944		THUNDER MOUNTAIN ACCESS ROAD	FROM ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))	TO RIVER		NO	0.00	0.34	0.34	4		GR	
0123	NC		31001		VAN CAMPEN GLEN ENTRANCE ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PICNIC AREA		NO	0.00	0.07	0.07	2		GR	
0124	NC		31262		HACKERS FALLS ROAD	FROM ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))	TO END		NO	0.00	0.73	0.73	2		GR	
0125	NC		92433		JERRY LEE'S ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO END		NO	0.00	0.40	0.40	2		GR	
0126	NC		31269		MOSIER KNOB ROAD	FROM ZION CHURCH / CHURCH HILL ROAD	TO SHAWNEE CHURCH LANE		NO	0.00	0.40	0.40	2		GR	
0127	NC		31305		VALLEY VIEW ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO CAMPGROUND		NO	0.00	0.37	0.37	2		GR	
0128	NC		32328		TOTTS GAP ROAD	FROM CHERRY VALLEY ROAD	TO BLUE MOUNTAIN DRIVE		NO	0.00	1.10	1.10	3		GR	
0129	NC		32359		VENTURA TRACT ACCESS ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO RIVER		NO	0.00	0.21	0.21	2		GR	
0200	NC		30017		CAMP DEPEW ACCESS ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 3.55 ON LEFT	TO END OF LOOP		NO	0.00	0.86	0.86	3		GR	

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0201	NC		101324		KITTATINNY POINT BOAT AND CANOE LAUNCH ACCESS ROAD	FROM ROUTE 5015 (RIVER ROAD NJ) ON RIGHT AFTER ROUTE 0911 (KITTATINNY POINT VISITOR CENTER)	TO WATER		NO	0.00	0.10	0.10	3		GR	
0209	6	2	29309		CUTOFF ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) EAST	TO ROUTE 0109 (NPS 602)		NO	1.18	0.00	1.18	6		AS	2
0211	6	2	49262		BECK ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 2.07 ON LEFT	TO BROADHEAD ROAD		YES	0.49	0.00	0.49	4		AS	1
0213	NC		49291		NATIONAL PARK DRIVE (DIRT SECTION)	FROM END OF ROUTE 0013 (NATIONAL PARK DRIVE) AT GATE	TO PARKING		NO	0.00	0.25	0.25	4		GR	
0218	6	2	31626		DINGMANS FALLS ROAD	FROM END OF ROUTE 0112ZZ (JOHNNY BEE ROADS)	TO ROUTE 0952 (DINGMANS FALLS VISITOR CENTER)		YES	0.63	0.00	0.63	3		AS	1B
0226	NC		31896		ESHBACH BOAT LAUNCH ACCESS	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO BOAT LAUNCH		NO	0.00	0.40	0.40	3		GR	
0227	NC		31897		ESHBACH BARN ACCESS	FROM ROUTE 0014 (U.S. HIGHWAY 209) NORTH	TO ROUTE 0014 (U.S. HIGHWAY 209) SOUTH		NO	0.00	0.45	0.45	4		GR	
0230	NC		49293		ENNIS HOUSE ACCESS DRIVEWAY	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))	TO ENNIS HOUSE		NO	0.00	0.15	0.15	3		GR	
0231	6	2	32006		MILFORD BEACH ACCESS ROAD	FROM ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))	TO END OF LOOP AT CANOE LAUNCH		YES	0.32	0.00	0.32	3		AS	1A
0232ZZ	6	2	32125		PEEC CABIN ACCESS ROADS	FROM EMERY ROAD	THROUGH CABIN AREAS		YES	0.61	0.00	0.61	3		AS	1C
0233ZZ	6	2	53796		SMITHFIELD BEACH ACCESS ROADS	FROM ROUTE 0105 (RIVER ROAD)	THROUGH SITE AREA		YES	0.59	0.00	0.59	3		AS	2B
0234	6	2	31941		HIDDEN LAKE ACCESS ROAD	FROM ROUTE 5004 (HIDDEN LAKE ROAD)	TO ROUTE 0907 (HIDDEN LAKE PARKING AND ACCESS)		YES	0.32	0.00	0.32	3		AS	2B

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0235	6	2	31610		DINGMAN'S CAMPGROUND ENTRY DRIVE	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO END OF PAVEMENT		YES	0.08	0.00	0.08	3		AS	1B
0236	NC		62711		SHOEMAKER, CAPTAIN JACOB HOUSE ACCESS ROAD	FROM STATE HIGHWAY 2028 / WINONA FALLS ROAD	TO SHOEMAKER HOUSE		NO	0.00	0.13	0.13	5		GR	
0237	6	2	88064		CLIFF PARK ENTRANCE ROAD	FROM ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD)) APPROX. 1.1 MI NORTH OF RAYMONDSKILL ROAD	TO CLIFF PARK INN		YES	0.52	0.00	0.52	3		AS	1A
0239	NC		98172		AMES JENNINGS ACCESS ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) APPROX. 1.9 MILES SOUTH OF POMPEY INTERSECTION	TO TREE LINE		NO	0.00	0.11	0.11	6		GR	
0240	NC		98174		RADCLIFF ACCESS ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))	TO RIVER CAMPSITES		NO	0.00	0.25	0.25	6		GR	
0242	NC		101749		TURTLE BEACH ADMINISTRATIVE ROAD	FROM ROUTE 0980 (TURTLE BEACH PARKING)	TO END OF LOOP		NO	0.00	0.25	0.25	3		GR	
0243	NC		29695		CAMP MOHICAN ACCESS ROAD AND PARKING	FROM ROUTE 5008 (NJ 602 (MILLBROOK ROAD / NON NPS)) APPROX. 4.5 MILES EAST OF MILLBROOK	TO SMALL PARKING AREA AT END		NO	0.00	3.70	3.70	3		GR	
0244	NC		30091		CHESTNUT RIDGE ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 11	TO BOUNDARY		NO	0.00	1.00	1.00	4		GR	
0245	NC		30096		DOODLE HOLLOW ROAD	FROM SILVER LAKE ROAD	TO MARRY STEWART ROAD		NO	0.00	1.23	1.23	4		GR	
0246	NC		30748		NAMANOCK ACCESS ROAD	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) APPROX. 3 MILES NORTH OF 560	TO NAMANOCK PICNIC AREA		NO	0.00	0.53	0.53	3		GR	

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Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
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DEWA *Delaware Water Gap National Recreation Area*

ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0247	NC		30907		SALAMOVKA ENTRANCE DRIVE	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT INTERSECTION WITH BLUE MT LAKE ROAD	TO SALAMOVKA HOUSE		NO	0.00	0.05	0.05	3		GR	
0248	NC		30921		SMITH-BIRCHENOUGH FARM LANE	FROM ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))	TO ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)		NO	0.00	0.24	0.24	4		GR	
0249	NC		31032		VAN CAMPEN, BB ENTRY DRIVE #1	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))	TO HOUSE		NO	0.00	0.50	0.50	3		GR	
0250	NC		31303		STUCKEY POND ACCESS ROAD	FROM ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))	TO END/POND		NO	0.00	0.36	0.36	3		GR	
0251	NC		31507		CALLAHAN EARLY ROAD / DRIVEWAY	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO CALLAHAN HOUSE		NO	0.00	0.26	0.26	4		GR	
0252	NC		31541		CHILDS PARK ENTRY ROAD	FROM SILVER LAKE ROAD	TO END AT PARKING		NO	0.00	0.14	0.14	3		GR	
0253	NC		31614	■	DINGMANS CAMPGROUND ROADS	FROM CAMPGROUND STORE (END OF PAVED SECTION)	TO LOOP THROUGH CAMPGROUND		NO	0.00	2.80	2.80	3		GR	
0254	NC		59758		LOCH LOMOND ACCESS ROAD/PARKING	FROM WILSON HILL ROAD	TO PICNIC AREA AND SST BUILDING		NO	0.00	0.16	0.16	3		GR	
0400	NC		31106		WATERGATE SERVICE ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO ROUTE 0401 (MILLBROOK SERVICE ROAD)		NO	0.00	0.50	0.50	6		GR	
0401	NC		30626		MILLBROOK SERVICE ROAD	FROM ROUTE 0400 (WATERGATE SERVICE ROAD)	TO END OF MAINTENANCE		NO	0.00	0.64	0.64	6		GR	
0403	NC		29422		SKYLINE DRIVE	FROM ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 2.88 ON LEFT	TO ROUTE 0962 (CRATER LAKE ACCESS PARKING)		NO	0.00	2.11	2.11	4		GR	
0405	NC		32444		ZIMMERMAN FARM ACCESS ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209) SOUTH	TO ROUTE 0014 (U.S. HIGHWAY 209) NORTH		NO	0.00	1.03	1.03	4		GR	

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

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0408	NC		32124		PEEC WATER SYSTEM ACCESS ROAD	FROM EMERY ROAD	TO WATER SYSTEM		NO	0.00	0.27	0.27	4		GR	
0409	NC		34838		RIDGE ROAD	FROM ROUTE 5014 (RIDGE ROAD / NON NPS)	TO NORTH END		NO	0.00	0.39	0.39	4		GR	
0410	NC		29303		REPEATER SITE ACCESS	FROM ROUTE 0409 (RIDGE ROAD)	TO REPEATER SITE		NO	0.00	0.17	0.17	4		GR	
0411	NC		32320		TOTTS GAP FARM ACCESS ROAD	FROM ROUTE 0013 (NATIONAL PARK DRIVE)	TO BARN		NO	0.00	0.19	0.19	4		GR	
0412	NC		31937		HIDDEN LAKE LODGE ACCESS ROAD	FROM HIDDEN LAKE DRY	TO ZION CHURCH HILL		NO	0.00	0.98	0.98	4		GR	
0413	NC		50107		HIDDEN LAKE CAMPING ACCESS	FROM ROUTE 5004 (HIDDEN LAKE ROAD)	TO PARKING		NO	0.00	0.16	0.16	4		GR	
0416	NC		30899		RIVERS BEND ACCESS ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PARKING		NO	0.00	0.60	0.60	4		GR	
0418	NC		49340		TRAVIS HOUSE ACCESS ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO PARKING		NO	0.00	0.08	0.08	4		GR	
0419	6	2	30130		BUSHKILL SCHOOL ACCESS ROAD	FROM CHURCH LANE	TO END OF PAVEMENT		YES	0.13	0.00	0.13	5		AS	1
0420	NC		49343		PETERS TRACT ACCESS ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) SOUTH	TO CANOE CAMPGROUND		NO	0.00	1.32	1.32	6		GR	
0421	NC		30319		HAMILTON TRACT ACCESS ROAD	FROM DEPEW ACCESS ROAD	TO CANOE CAMPGROUND		NO	0.00	1.23	1.23	4		GR	
0423	6	2	31919		HEADQUARTER SERVICE ROAD	FROM ROUTE 0105 (RIVER ROAD) AT MP 5.65 ON RIGHT	TO END OF PAVEMENT		NO	0.07	0.00	0.07	6		AS	2B
0424	NC		29304		APPALACHIAN ROAD	FROM ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT LONG PINE POND WEATHERSTATION	TO END		NO	0.00	1.62	1.62	5		GR	

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0425	NC		29366		MOUNT TAMMANY FIRE ROAD	FROM YURTS CREEK RESERVOIR THROUGH WORTHINGTON STATE FOREST	TO BLUE BLAZE AND RED DOT TRAIL		NO	0.00	4.00	4.00	6		GR	
0427	NC		29412		RATTLESNAKE TOWER ROAD	FROM CATFISH FIRE TOWER	TO END		NO	0.00	1.20	1.20	6		GR	
0428	NC		29439		BEVANS-FREUDENHEIM ENTRY DRIVE	FROM OLD DINGMANS BRIDGE ROAD - APPROX. 0.5 MILE FROM OLD MINE ROAD NORTH	TO BEVANS FREUDENHEIM HOUSE		NO	0.00	0.15	0.15	6		GR	
0429	NC		29804		CHADO FARM LANE	FROM ROUTE 0113 (NPS ROUTE 615)	TO ROUTE 0113 (NPS ROUTE 615)		NO	0.00	0.30	0.30	5		GR	
0430	NC		29994		COPPERMINE INN ACCESS ROAD/PARKING AREA	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO COPPERMINE INN		NO	0.00	0.18	0.18	5		GR	
0431	NC		30010		DECKER, DANIEL FERRY ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) APPROX. 0.7 MILES FROM FLATBROOKVILLE	TO DECKER FERRY HOUSE		NO	0.00	0.14	0.14	5		GR	
0432	NC		30314		FOSTER-ARMSTRONG FARM LANE	FROM ROUTE 5015 (RIVER ROAD NJ) APPROX. 0.5 MILES NORTH OF MILFORD BRIDGE	TO END		NO	0.00	0.41	0.41	6		GR	
0433	NC		30326		HERONS NEST ENTRANCE LANE	FROM METTLER ROAD (0.3 MILES FROM OLD MINE ROAD NORTH)	TO HERONS NEST HOUSE		NO	0.00	0.09	0.09	6		GR	
0434	NC		30503		HILL, DOROTHY ENTRANCE DRIVE	FROM ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION)) 0.2 MILES SOUTH OF KUHN ROAD INTERSECTION	TO DOROTHY HILL HOUSE		NO	0.00	0.06	0.06	6		GR	
0435	NC		30519		SHOEMAKER/HOUCK (SILVER SPRAY) ENTRY DRIVE	FROM ROUTE 0108 (MOUNTAIN ROAD) APPROX. 1.4 MILES FROM MAIN STREET WALPACK	TO SHOEMAKER HOUCK FARM HOUSE		NO	0.00	0.36	0.36	6		GR	
0436	NC		30621		LAYTON-GUNN ACCESS ROAD	FROM ROUTE 0110 (POMPEY RIDGE ROAD)	TO END		NO	0.00	0.44	0.44	6		GR	

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

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0437	NC		30733		MILLER ENTRANCE DRIVE	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO BARN		NO	0.00	0.09	0.09	5		GR	
0438	NC		30753		NAMANOCK ROAD EXTENSION	FROM ROUTE 0246 (NAMANOCK ACCESS ROAD) AT GATE NAMANOCK PICNIC AREA	TO SANDYSTON CANOE SITES		NO	0.00	0.82	0.82	6		GR	
0439	NC		30763		NELDEN-HORNBECK (ROBERTS) ENTRANCE DRIVE	FROM U.S. HIGHWAY 206	TO FARM BUILDINGS		NO	0.00	0.09	0.09	6		GR	
0440	NC		30764		NELDEN-HORNBECK (ROBERTS) FARM LANE	FROM HOUSE AND BARN	TO FIELDS		NO	0.00	0.60	0.60	6		NV	
0441	NC		30831		CONGLETON LANE	FROM ROUTE 0011 (KUHN ROAD)	TO CONGLETON HOUSE		NO	0.00	0.16	0.16	5		GR	
0442	NC		30864		MUNSON HOUSE ENTRANCE ROAD	FROM ROUTE 0011 (KUHN ROAD)	TO MUNSON HOUSE		NO	0.00	0.09	0.09	5		GR	
0443	NC		30891		VALLEY BROOK FARM ENTRY DRIVE	FROM ROUTE 0113 (NPS ROUTE 615)	TO VALLEY BROOK FARM BUILDINGS		NO	0.00	0.15	0.15	5		GR	
0444	NC		31021		VAN CAMPEN, ABRAHAM DRIVEWAY	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO VANCAMPEN (ZIPSER) HOUSE		NO	0.00	0.44	0.44	6		GR	
0445	NC		31033		VAN CAMPEN, BB ENTRY DRIVE #2	FROM BB VAN CAMPEN HOUSE	TO ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT GATE		NO	0.00	0.21	0.21	5		GR	
0446	NC		31145		WESTBROOK-BELL ENTRANCE DRIVE	FROM ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))	TO WESTBROOK BELL HOUSE		NO	0.00	0.12	0.12	5		GR	
0447	NC		31263		HOGBACK ROAD	FROM BUSHKILL MEETING CENTER VACINITY	TO FREEMAN TRACK ROAD		NO	0.00	2.50	2.50	6		GR	
0448	NC		31272		MOUNT MINSI REPEATER ROAD	FROM ROUTE 0128 (TOTTS GAP ROAD)	TO REPEATER STATION		NO	0.00	2.05	2.05	6		GR	
0449	NC		31567		CRANE-GOLDHART ENTRY DRIVE	FROM 739	TO CRANE GOLDHART HOUSE		NO	0.00	0.13	0.13	5		GR	

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0450	NC		31625		DINGMANS FALLS DRIVEWAY	FROM REAR OF DINGMANS FALLS HOUSE	TO INTERSECTION WITH TRAIL AT TOP OF THE HILL		NO	0.00	0.03	0.03	6		GR	
0451	NC		31883		DINGMANS MAINTENANCE ACCESS ROAD	FROM ROUTE 0114 (SCHOOL HOUSE ROAD) ACROSS FROM FENCED AREA	TO REAR OF DINGMANS MAINTENANCE BUILDING / PARKING AREA		NO	0.00	0.17	0.17	6		GR	
0452	NC		31946		LOCH LOMOND ENTRANCE ROAD	FROM WILSON HILL ROAD	TO LOCH LOMOND HOUSE		NO	0.00	0.16	0.16	5		GR	
0453	NC		31947		LOCH LOMOND FIRE ROAD	FROM REAR OF LOCH LOMOND HOUSE	TO WEATHER STATION		NO	0.00	0.33	0.33	5		GR	
0454	NC		31970		MCCARTY, CHRISTINA REAR ROAD	FROM REAR OF MCCARTY HOUSE	TO END		NO	0.00	0.44	0.44	6		GR	
0455	NC		32134		RAMIREZ (NADLER) ENTRANCE ROAD	FROM ROUTE 5013 (RAYMONDSKILL ROAD)	TO RAMIREZ SOLAR HOUSE		NO	0.00	0.31	0.31	5		GR	
0456	NC		32143		RAMIREZ (NADLER) REAR ACCESS ROAD	FROM REAR OF RAMIREZ SOLAR HOUSE	TO THROUGH WOODS		NO	0.00	0.19	0.19	5		GR	
0457	NC		32168		GOLDEISEN (RAYMONDSKILL) ENTRANCE DRIVE	FROM ROUTE 5013 (RAYMONDSKILL ROAD)	TO RAYMONDSKILL HOUSE		NO	0.00	0.11	0.11	5		GR	
0458	NC		32178		SCHOONOVER LANE	FROM COMMUNITY DRIVE AT SCHOONOVER MOUNTAIN HOUSE	TO BUILDINGS		NO	0.00	0.29	0.29	6		GR	
0459	NC		32234		SLATEFORD ROADWAYS	FROM ROUTE 0013 (NATIONAL PARK DRIVE) AT THE GATE	TO HOUSE		NO	0.00	1.10	1.10	6		GR	
0460	NC		32288		SPROUL/ASPINALL ACCESS ROAD	FROM ROUTE 0461 (SPROUL/ASPINALL ENTRANCE LANE) AT GATE	TO STREAM/MISSING BRIDGE		NO	0.00	0.83	0.83	6		GR	
0461	NC		32291		SPROUL/ASPINALL ENTRANCE LANE	FROM ROUTE 0460 (SPROUL/ASPINALL ACCESS ROAD)	TO SPROUL/ASPINALL CARETAKERS HOUSE		NO	0.00	0.11	0.11	6		GR	

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

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0462	NC		32381		WHEAT PLAINS FARM LANE	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO HOUSE AND FARM BUILDINGS		NO	0.00	0.07	0.07	6		GR	
0463	NC		32389		WHEAT PLAINS FARM ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO FIELDS		NO	0.00	0.34	0.34	6		GR	
0464	NC		32397		ZIMMERMAN, MARIE ENTRANCE DRIVE	FROM ROUTE 0405 (ZIMMERMAN FARM ACCESS ROAD)	TO ZIMMERMAN HOUSE		NO	0.00	0.14	0.14	6		GR	
0465	NC		32450		ZIMMERMAN, MARIE SIDE LANE	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO ZIMMERMAN HOUSE		NO	0.00	0.13	0.13	6		NV	
0466	NC		57624		HILLTOP FARM HOUSE ENTRY ROAD	FROM ROUTE 0011 (KUHN ROAD)	TO HILLTOP FARM HOUSE BUILDINGS		NO	0.00	0.11	0.11	5		GR	
0467	NC		62656		SKYS EDGE ACCESS ROAD	FROM WILSON HILL ROAD	TO SKYS EDGE RANGE		NO	0.00	0.20	0.20	6		GR	
0468	NC		63150		WALPACK ENVIRON ED CENTER ACCESS ROAD AND PARKING	FROM ROUTE 0113 (NPS ROUTE 615)	TO BUILDINGS		NO	0.00	0.22	0.22	3		GR	
0469	NC		29506		CAMP KEN-ETA-WA-PEC ROAD	FROM ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 2.82	TO END		NO	0.00	1.63	1.63	5		GR	
0600	6	2	31074		MAIN STREET (WALPACK)	FROM ROUTE 0113 (NPS ROUTE 615)	TO INTERSECTION OF ROUTE 0108 (MOUNTAIN ROAD), ROUTE 0601 (STRUBLE ROAD) AND BROOK ROAD		YES	0.59	0.00	0.59	2		AS	1
0601	6	2	29427		STRUBLE ROAD	FROM END OF ROUTE 5017 (STRUBLE ROAD / NON NPS)	TO INTERSECTION OF ROUTE 0108 (MOUNTAIN ROAD), ROUTE 0600 (MAIN STREET (WALPACK)) AND BROOK ROAD		YES	0.41	0.00	0.41	4		AS	1

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NON-NPS ROADS INVENTORY

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
5000	5	1			BUSHKILL FALLS ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO BUSHKILL FALLS ROAD AT LITTERING SIGN ON RIGHT		NO	5.18	0.00	5.18			AS	1
5001	5	1			BUSINESS 209	FROM ROUTE 5018 (U.S. HIGHWAY 209 SOUTH / NON NPS)	TO MYRTLE STREET ON RIGHT		NO	7.74	0.00	7.74			AS	2
5002	5	1			DECKERTOWN TURNPIKE	FROM SR 206 (DISABLED AMERICAN VETERANS MEMORIAL HIGHWAY), END OF ROUTE 0015 (OLD MINE ROAD (NORTH SECTION)) AND ROUTE 5015 (RIVER ROAD NJ)	TO DECKERTOWN TURNPIKE		NO	4.44	0.00	4.44			AS	1
5003	5	1			GAISLER ROAD	FROM ROUTE 5008 (NJ 602 (MILLBROOK ROAD / NON NPS))	TO INTERSECTION OF CAMP MOHICAN ROAD ON RIGHT, FOUR CORNERS ROAD ON LEFT, AND GAISLER ROAD		NO	2.36	0.00	2.36			AS	2
5004	5	1			HIDDEN LAKE ROAD	FROM ROUTE 0105 (RIVER ROAD)	TO HOLLOW ROAD		NO	3.99	0.00	3.99			AS	2B
5005	5	1			PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD)	FROM W HARFORD STREET IN MILFORD	TO ROUTE 5000 (BUSHKILL FALLS ROAD)		NO	19.73	0.00	19.73			AS	1,1A
5006	5	1			MOSIERS KNOB ROAD	FROM MICHAELS ROAD	TO HOLLOW ROAD		NO	2.71	0.00	2.71			AS	2,2B
5007	5	1			NJ 560 (DINGMANS ROAD)	FROM U.S. HIGHWAY 206	TO BEGINNING OF ROUTE 5011 (PA 739) AT BRIDGE		NO	5.06	0.00	5.06			AS	1,1B
5008	5	1			NJ 602 (MILLBROOK ROAD / NON NPS)	FROM END OF ROUTE 0109 (NPS 602)	TO CEDARVILLE ROAD		NO	4.57	0.00	4.57			AS	2

Cycle 6 NPS / RIP Route ID Report

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Federal Lands Highway
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DEWA Delaware Water Gap National Recreation Area

NON-NPS ROADS INVENTORY

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
5009	5	1			NJ CR 615 (BEVANS ROAD)	FROM INTERSECTION OF ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD), ROUTE 0113 (NPS ROUTE 615) AND ROUTE 0011 (KUHN ROAD)	TO ROUTE 5007 (NJ 560 (DINGMANS ROAD)		NO	2.04	0.00	2.04			AS	1,1B
5010	5	1			PA 611	FROM EHLER STREET	TO PORTLAND TOLL BRIDGE ON LEFT AND RIVER ROAD		NO	10.24	0.00	10.24			AS	2,2A
5011	5	1			PA 739	FROM END OF ROUTE 5007 (NJ 560 (DINGMANS ROAD)) AT BRIDGE	TO PA 739		NO	6.36	0.00	6.36			AS	1,1B
5012	5	1			PARK ROAD	FROM ROUTE 5016 (SILVER LAKE ROAD)	TO ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))		NO	3.46	0.00	3.46			AS	1
5013	5	1			RAYMONDSKILL ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO ARBUTUS LANE		NO	6.45	0.00	6.45			AS	1
5014	5	1			RIDGE ROAD / NON NPS	FROM ROUTE 5007 (NJ 560 (DINGMANS ROAD))	TO JAGER ROAD		NO	2.44	0.00	2.44			AS	1
5015	5	1			RIVER ROAD NJ	FROM INTERSECTION OF SR 206 (DISABLED AMERICAN VETERANS MEMORIAL HIGHWAY), ROUTE 5002 (DECKERTOWN TURNPIKE) AND ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))	TO BUTLER LANE ON LEFT		NO	7.08	0.00	7.08			AS	1
5016	5	1			SILVER LAKE ROAD	FROM ROUTE 5011 (PA 739)	TO DEWEY DRIVE		NO	5.84	0.00	5.84			AS	1,1B
5017	5	1			STRUBLE ROAD / NON NPS	FROM U.S. HIGHWAY 206	TO BEGINNING OF ROUTE 0601 (STRUBLE ROAD)		NO	4.42	0.00	4.42			AS	1
5018	5	1			U.S. HIGHWAY 209 SOUTH / NON NPS	FROM INTERSTATE 80	TO ROUTE 0014 (U.S. HIGHWAY 209)		NO	9.89	0.00	9.89			AS	2,2B
5019	5	1			U.S. HIGHWAY 209 NORTH / NON NPS	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO 1ST STREET		NO	6.99	0.00	6.99			AS	1,1A

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DEWA *Delaware Water Gap National Recreation Area*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0900ZZ	6	2	49365		POXONO BOAT LAUNCH PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.88 ON LEFT	TO BOAT RAMP		YES	PUBLIC	12,924	AS	2B
0901	NC		49676		COPPER MINE PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.63 ON LEFT	TO PARKING		NO	PUBLIC	12,978	GR	
0902	6	2	31298		RESORT POINT OVERLOOK	FROM ROUTE 5010 (PA 611) WEST	TO ROUTE 5010 (PA 611) WEST EAST		YES	PUBLIC	13,874	AS	2A
0903	6	2	31297		POINT OF GAP OVERLOOK	FROM ROUTE 5010 (PA 611)	TO PARKING		YES	PUBLIC	42,242	AS	2A
0904ZZ	6	2	31296		ARROW ISLAND OVERLOOK PARKING AREAS	FROM ROUTE 5010 (PA 611) ON LEFT AND RIGHT	TO ROUTE 5010 (PA 611)		YES	PUBLIC	24,723	AS	2A
0905	6	2	31918		HEADQUARTERS PARKING	FROM ROUTE 0105 (RIVER ROAD) AT MP 5.61 ON RIGHT	TO PARKING		NO	PUBLIC	27,718	AS	2B
0906ZZ	6	2	32276		SMITHFIELD BEACH PARKING AREAS	FROM ROUTE 0233ZZ (SMITHFIELD BEACH ACCESS ROADS)	TO PARKING		YES	PUBLIC	166,960	AS	2B
0907	6	2	31939		HIDDEN LAKE PARKING	FROM ROUTE 0234 (HIDDEN LAKE ACCESS ROAD) AT MP 0.26 ON LEFT	TO ROUTE 0234 (HIDDEN LAKE ACCESS ROAD) AT MP 0.32		YES	PUBLIC	15,801	AS	2B
0908	6	2	31870		DINGMAN'S FERRY ACCESS PARKING AREA	FROM ROUTE 5011 (PA 739)	TO PARKING		YES	PUBLIC	106,064	AS	1B
0909ZZ	6	2	32003		MILFORD BEACH PARKING AREAS	FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.10 ON LEFT	TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT END		YES	PUBLIC	122,752	AS	1A
0910	6	2	49422		BUSHKILL ACCESS PARKING	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 2.76 ON RIGHT	TO PARKING		YES	PUBLIC	68,598	AS	1

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DEWA *Delaware Water Gap National Recreation Area*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0911	6	2	30588		KITTATINNY POINT VISITOR CENTER	FROM RIVER ROAD (NON NPS)	TO RIVER ROAD (NON NPS)		YES	PUBLIC	45,262	AS	2A
0912	NC		30584		KITTATINNY POINT BOAT RAMP	FROM ROUTE 0201 (KITTATINNY POINT BOAT AND CANOE LAUNCH ACCESS ROAD) AT MP 0.05 ON LEFT	TO PARKING		NO	PUBLIC	11,600	GR	
0913	6	2	30585		KITTATINNY POINT PARKING AREA	FROM RIVER ROAD (NON NPS)	TO PARKING		YES	PUBLIC	8,857	AS	2A
0915	6	2	30112		BUSHKILL MAINTENANCE AREA	FROM ROUTE 0105 (RIVER ROAD) AT MP 5.67 ON LEFT	TO PARKING		NO	NONPUBLIC	30,428	AS	2B
0916	6	2	41633		DINGMAN'S MAINTENANCE FACILITY PARKING	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 12.63 ON RIGHT	TO PARKING		NO	NONPUBLIC	28,870	AS	1B
0917	NC		31265		LAKE LENAPE ACCESS & PARKING	FROM ROUTE 0108 (MOUNTAIN ROAD) AT MP 0.1 ON LEFT	TO PARKING		NO	PUBLIC	18,225	GR	
0918	NC		29490		CALNO SCHOOL PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PARKING		NO	PUBLIC	6,939	GR	
0919	NC		30995		LOWER GLEN PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PARKING		NO	PUBLIC	8,100	GR	
0920	NC		30996		UPPER GLEN PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PARKING		NO	PUBLIC	4,365	GR	
0921	NC		31611	■	DINGMAN'S CAMPGROUND	FROM ROUTE 0235 (DINGMAN'S CAMPGROUND ENTRY DRIVE)	TO PARKING		NO	PUBLIC	3,130	GR	
0923	NC		31548		CHILDSPARK PARKING AREA	FROM ROUTE 5016 (SILVER LAKE ROAD)	TO PARKING		NO	PUBLIC	45,000	GR	
0924	NC		40225		UPPER PARKING FOR CHILDSPARK	FROM ROUTE 5016 (SILVER LAKE ROAD)	TO PARKING		NO	PUBLIC	13,176	GR	
0925	NC		32161		RAYMONDS KILL FALLS PARKING	FROM ROUTE 5013 (RAYMONDSKILL ROAD)	TO PARKING		NO	PUBLIC	7,590	GR	
0925B	NC		106548		RAYMONDS KILL FALLS PARKING - LOWER	FROM ROUTE 5013 (RAYMONDSKILL ROAD)	TO PARKING		NO	PUBLIC	3,900	GR	

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PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0926	NC		49522		TOM'S CREEK PICNIC AREA	FROM EGYPT MILLS ROAD	TO PARKING		NO	PUBLIC	16,486	GR	
0927	NC		31930		HIALEAH PICNIC AREA	FROM ROUTE 0105 (RIVER ROAD)	TO PARKING		NO	PUBLIC	50,992	GR	
0928	NC		29310		FAIRVIEW PARKING AREA	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) IN NJ	TO PARKING		NO	PUBLIC	23,004	GR	
0929	NC		29362		KARARMAC PARKING AREA	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))	TO PARKING		NO	PUBLIC	10,800	GR	
0930	NC		53921		CHILDSPARK MAINTENANCE AREA PARKING	FROM ROUTE 5016 (SILVER LAKE ROAD)	TO BUILDINGS		NO	PUBLIC	5,112	GR	
0931ZZ	6	2	55243		PEEC COMPLEX PARKING AREAS	FROM ROUTE 0232ZZ (PEEC CABIN ACCESS ROADS)	TO PARKING		YES	PUBLIC	25,880	AS	1C
0932	6	2	49443		CAMP WEYGADT COMPLEX PARKING AREA	FROM RAMP OFF I-80W U-TURN RAMP (WEIGHT STATION ON RIGHT)	THROUGH NPS COLUMBIA MAINTENANCE AREA		NO	NONPUBLIC	18,692	AS	2A
0951	6	2	31261		DUCK POND PARKING	FROM ROUTE 0013 (NATIONAL PARK DRIVE) AT MP 0.56 ON RIGHT	TO ROUTE 0013 (NATIONAL PARK DRIVE) AT MP 0.61 ON RIGHT		YES	PUBLIC	11,252	AS	2A
0952	6	2	31630		DINGMANS FALLS VISITOR CENTER	FROM END OF ROUTE 0218 (DINGMANS FALLS ROAD)	TO PARKING		YES	PUBLIC	23,158	AS	1B
0953	6	2	49462		NORTH CONTACT STATION	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 20.31 ON LEFT	TO ROUTE 0014 (U.S. HIGHWAY 209) AT MP 20.39 ON LEFT		YES	PUBLIC	24,328	AS	1A
0954	6	2	30905		ROE JACOB HOUSE PARKING	FROM ROUTE 0113 (NPS ROUTE 615) AT MP 6.22 ON LEFT	TO PARKING		YES	PUBLIC	6,043	AS	1
0955	6	2	49488		MILLBROOK VILLAGE PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 5.99 ON RIGHT	TO ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 6.06 ON RIGHT		YES	PUBLIC	13,967	AS	2
0956	6	2	31138		WATERGATE PARKING & ENTRANCE ROAD	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 5.51 ON RIGHT	TO PARKING		YES	PUBLIC	50,991	AS	2
0957	6	2	49498		SOUTH CONTACT STATION	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 0.26 ON RIGHT	TO ROUTE 0014 (U.S. HIGHWAY 209) AT MP 0.27 ON RIGHT		YES	PUBLIC	23,309	AS	2

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DEWA *Delaware Water Gap National Recreation Area*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0958	6	2	41656		DINGMANS SCHOOL PARKING AREA	FROM END OF ROUTE 0114 (SCHOOL HOUSE ROAD)	TO PARKING		YES	PUBLIC	17,421	AS	1B
0960	NC		31502		VISITOR CENTER PARKING	FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 1.15 ON RIGHT	TO BUSHKILL MEETING CENTER PARKING		NO	PUBLIC	26,970	GR	
0961	6	2	29477		BLUE MOUNTAIN LAKE RECREATION SITE PARKING	FROM ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 1.29 ON LEFT	TO ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 1.37 ON LEFT		YES	PUBLIC	16,800	AS	1
0962	NC		30005		CRATER LAKE ACCESS PARKING	FROM ROUTE 0403 (SKYLINE DRIVE)	TO PARKING		NO	PUBLIC	11,628	GR	
0963	6	2	41635		DINGMAN'S MAINTENANCE POLE BARN PARKING	FROM ROUTE 0114 (SCHOOL HOUSE ROAD) AT MP 0.10 ON LEFT	TO PARKING		NO	NONPUBLIC	88,963	AS	1B
0964	NC		65515		PEIRCE, CHARLES S. PARKING AND ACCESS	FROM OLD MINE ROAD	TO PARKING		NO	PUBLIC	11,648	GR	
0965	NC		61006		BUSHKILL FIREHOUSE PARKING AREA	FROM ROUTE 5000 (BUSHKILL FALLS ROAD)	TO PARKING		NO	PUBLIC	9,999	GR	
0966	NC		30121		BUSHKILL REFORMED CHURCH PARKING AREA	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO PARKING		NO	PUBLIC	6,000	GR	
0967	NC		30128		BUSHKILL SCHOOL PARKING AREA	FROM ROUTE 0419 (BUSHKILL SCHOOL ACCESS ROAD)	TO BUSHKILL SCHOOL BUILDINGS		NO	PUBLIC	23,400	GR	
0968	NC		29483		BUTTERMILK FALLS PARKING AREA	FROM ROUTE 0108 (MOUNTAIN ROAD)	TO PARKING		NO	PUBLIC	9,339	GR	
0969	NC		31925		HIALEAH AIRPARK PARKING	FROM ROUTE 0105 (RIVER ROAD)	TO PARKING		NO	PUBLIC	33,600	GR	
0970	NC		45783		HIDDEN LAKE DAM PARKING	FROM ROUTE 5004 (HIDDEN LAKE ROAD)	TO PARKING		NO	PUBLIC	4,374	GR	
0971	NC		30875		PETERS VALLEY PAVILION PARKING AREA	FROM ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)	TO PARKING		NO	PUBLIC	17,199	GR	
0972	NC		31276		RIEDMILLER PARKING AREA	FROM CREEK ROAD	TO PARKING		NO	PUBLIC	4,000	GR	

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PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0973	NC		110093		RIVERVIEW PARKING AREA (MCDADE TRAILHEAD)	FROM ROUTE 0105 (RIVER ROAD)	TO PARKING		NO	PUBLIC	5,625	GR	
0974	NC		29425		SKYLINE DRIVE OVERLOOK PARKING AREA	FROM ROUTE 0403 (SKYLINE DRIVE)	TO PARKING		NO	PUBLIC	2,898	GR	
0975	NC		32215		SLATEFORD ACCESS PARKING AREA	FROM TRAIL OFF OF ROUTE 0013 (NATIONAL PARK DRIVE)	TO PARKING		NO	PUBLIC	8,397	GR	
0976	NC		51454		STOCKPILE 8 ACCESS/PARKING	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO SALT STORAGE SHED		NO	NONPUBLIC	31,850	GR	
0977	NC		30988		THUNDER MOUNTAIN PARKING AREA	FROM END OF ROUTE 0102 (THUNDER MOUNTAIN ROAD)	TO PARKING		NO	PUBLIC	5,625	GR	
0978	NC		100156		TURN FARM PARKING AREA (MCDADE TRAILHEAD)	FROM ROUTE 0105 (RIVER ROAD)	TO PARKING		NO	PUBLIC	7,500	GR	
0979	NC		31291		TURN STORE PARKING AREA	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO PARKING		NO	PUBLIC	20,997	GR	
0980	6	2	101750		TURTLE BEACH PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 0.94 ON LEFT	TO PARKING		YES	PUBLIC	63,682	AS	2B

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Cycle 6 Summary Totals for Delaware Water Gap National Recreation Area

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	70.52	0	**70.52**
Paved Roads, Manually Rated Length (Miles)	5.40	0	**5.40**
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	**0**
Unpaved Roads (Miles)	64.59	2.80	**67.39**
Paved Parking (Sq. Ft.)	1,099,559	0	**1,099,559**
Unpaved Parking (Sq. Ft.)	479,316	3,130	**482,446**

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	150.76	61
Manually Rated Roads	7.44	60
Parking Areas	18.93	72

* Equivalent Lane Miles are calculated by route using the following equations:
- DCV and MRLs = (PAVE_WIDTH x PAVED_MI) / 11 foot lane
- MRPs and PKGs = SQ_FEET / 5280 / 11 foot lane

**Parking and Manually Rated Routes are assigned the following PCR values based on the type of observed distresses:
-Excellent = 97 -Good = 90 -Fair = 73
-Poor = 53, 30, or 0 -Construction / Not Rated = -1

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General Park Road Functional Classification (FC) Table

FC	Type	User Access	Description	Route Numbers
1	Principal Park Road Rural Parkway	Public	Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.	0001 - 0009 0010 - 0099
2	Connector Park Road	Public	Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.	0100 - 0199
3	Special Purpose Park Road	Public	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.	0200 - 0299
4	Primitive Park Road	Public	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. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.	0200 - 0299
5	Administrative Park Road	Public	All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.	0400 - 0499
6	Administrative Park Road (Restricted Access)	Nonpublic	All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. 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.	0400 - 0499
7	Urban Parkway	Public	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.	0001 - 0009
8	City Street	Public	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.	0600 - 0699
N/A	Non-NPS Roads	Public	State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.	5000 - 5999

Surface Types
AS - Asphaltic Concrete Pavement
BR - Brick or Pavers Road Bed
CB - Cobble Stone Road Bed
CO - Portland Cement Concrete Pavement
GR - Gravel Road Bed
NV - Native or Dirt Material Road Bed
OT - Other Materials Road Bed

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 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 discontinued for future use.

Report Date: 05/14/2020

NPS / RIP Subcomponent Details for DEWA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

Red text denotes:

*Unpaved route data (mileages and square footage) were collected by the Road Inventory Program (RIP) only when the Cycle Collected is "6", otherwise the unpaved information was provided by NPS.

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

DEWA *Delaware Water Gap National Recreation Area*

SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0112ZZ	31264	6	2		JOHNNY BEE ROADS	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO BEGINNING OF ROUTE 0218 (DINGMANS FALLS ROAD) WEST SIDE AND ROUTE 5011 (PA 739)	YES	0.72	0.00	0.72	3	
0232ZZ	32125	6	2		PEEC CABIN ACCESS ROADS	FROM EMERY ROAD	THROUGH CABIN AREAS	YES	0.61	0.00	0.61	3	
0233ZZ	53796	6	2		SMITHFIELD BEACH ACCESS ROADS	FROM ROUTE 0105 (RIVER ROAD)	THROUGH SITE AREA	YES	0.59	0.00	0.59	3	

SUMMARY ROUTE INVENTORY FOR PARKING AREAS (1300 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0900ZZ	49365	6	2		POXONO BOAT LAUNCH PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.88 ON LEFT	TO BOAT RAMP	YES	PUBLIC	12,924
0904ZZ	31296	6	2		ARROW ISLAND OVERLOOK PARKING AREAS	FROM ROUTE 5010 (PA 611) ON LEFT AND RIGHT	TO ROUTE 5010 (PA 611)	YES	PUBLIC	24,723
0906ZZ	32276	6	2		SMITHFIELD BEACH PARKING AREAS	FROM ROUTE 0233ZZ (SMITHFIELD BEACH ACCESS ROADS)	TO PARKING	YES	PUBLIC	166,960
0909ZZ	32003	6	2		MILFORD BEACH PARKING AREAS	FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.10 ON LEFT	TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT END	YES	PUBLIC	122,752
0931ZZ	55243	6	2		PEEC COMPLEX PARKING AREAS	FROM ROUTE 0232ZZ (PEEC CABIN ACCESS ROADS)	TO PARKING	YES	PUBLIC	25,880

Report Date: 05/14/2020

NPS / RIP Subcomponent Details for DEWA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

Red text denotes:
*Unpaved route data (mileages and square footage) were collected by the Road Inventory Program (RIP) only when the Cycle Collected is "6", otherwise the unpaved information was provided by NPS.

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

DEWA *Delaware Water Gap National Recreation Area*

DEWA-0112ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0112AZ	31264	6	2		JOHNNY BEE ROAD	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO BEGINNING OF ROUTE 0218 (DINGMANS FALLS ROAD) WEST SIDE	YES	0.48	0.00	0.48	3	
0422BZ	31264	6	2		JOHNNY BEE ROAD SPUR	FROM ROUTE 0014 (U.S. HIGHWAY 209)	TO ROUTE 5011 (PA 739)	YES	0.24	0.00	0.24	3	

DEWA-0232ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0232AZ	32125	6	2		PEEC CABIN ACCESS LOOP A	FROM ROUTE 0232CZ (PEEC CABIN ACCESS)	TO ROUTE 0931AZ (PEEC COMPLEX REGISTRATION PARKING)	YES	0.12	0.00	0.12	3	
0232BZ	32125	6	2		PEEC CABIN ACCESS LOOP B	FROM ROUTE 0232CZ (PEEC CABIN ACCESS)	TO ROUTE 0232CZ (PEEC CABIN ACCESS)	YES	0.19	0.00	0.19	3	
0232CZ	32125	6	2		PEEC CABIN ACCESS	FROM EMERY ROAD	TO END	YES	0.30	0.00	0.30	3	

Report Date: 05/14/2020

NPS / RIP Subcomponent Details for DEWA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Paved Routes, Non-NPS	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

Red text denotes:
*Unpaved route data (mileages and square footage) were collected by the Road Inventory Program (RIP) only when the Cycle Collected is "6", otherwise the unpaved information was provided by NPS.

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

DEWA *Delaware Water Gap National Recreation Area*

DEWA-0233ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0233AZ	53796	6	2		SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD	FROM END OF ROUTE 0233CZ (SMITHFIELD BEACH ACCESS ROAD) AND END OF ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)	TO END OF LOOP	YES	0.25	0.00	0.25	3	
0233BZ	53796	6	2		SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS	FROM BEGINNING OF ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD) ON RIGHT AND END OF ROUTE 0233CZ (SMITHFIELD BEACH ACCESS ROAD)	TO ROUTE 0906BZ (SMITHFIELD BEACH PARKING B)	YES	0.18	0.00	0.18	3	
0233CZ	53796	6	2		SMITHFIELD BEACH ACCESS ROAD	FROM ROUTE 0105 (RIVER ROAD)	TO INTERSECTION OF ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD) ON RIGHT AND ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)	YES	0.16	0.00	0.16	3	

DEWA-0900ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0900AZ	49365	6	2		POXONO BOAT LAUNCH LOWER PARKING	FROM ROUTE 0900BZ (POXONO BOAT LAUNCH UPPER PARKING)	TO BOAT RAMP	YES	PUBLIC	7,279
0900BZ	49365	6	2		POXONO BOAT LAUNCH UPPER PARKING	FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.92 ON LEFT	TO ROUTE 0900AZ (POXONO BOAT LAUNCH LOWER PARKING)	YES	PUBLIC	5,645

Report Date: 05/14/2020

NPS / RIP Subcomponent Details for DEWA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

Red text denotes:
*Unpaved route data (mileages and square footage) were collected by the Road Inventory Program (RIP) only when the Cycle Collected is "6", otherwise the unpaved information was provided by NPS.

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

DEWA *Delaware Water Gap National Recreation Area*

DEWA-0904ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0904AZ	31296	6	2		ARROW ISLAND OVERLOOK PARKING A	FROM ROUTE 5010 (PA 611) ON RIGHT	TO ROUTE 5010 (PA 611)	YES	PUBLIC	10,656
0904BZ	31296	6	2		ARROW ISLAND OVERLOOK PARKING B	FROM ROUTE 5010 (PA 611) ON LEFT	TO ROUTE 5010 (PA 611)	YES	PUBLIC	14,067

DEWA-0906ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0906AZ	32276	6	2		SMITHFIELD BEACH PARKING A	FROM ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS) AT MP 0.04 ON LEFT	TO ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD) AT MP 0.01 ON LEFT	YES	PUBLIC	96,514
0906BZ	32276	6	2		SMITHFIELD BEACH PARKING B	FROM END OF ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)	TO PARKING	YES	PUBLIC	70,446

DEWA-0909ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0909AZ	32003	6	2		MILFORD BEACH CANOE LAUNCH PARKING	ADJACENT TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT END		YES	PUBLIC	2,326
0909BZ	32003	6	2		MILFORD BEACH BOAT LAUNCH PARKING	FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.22 ON LEFT	TO PARKING	YES	PUBLIC	40,330
0909CZ	32003	6	2		MILFORD BEACH ACCESS PARKING	FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.10 ON LEFT	TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.19 ON LEFT	YES	PUBLIC	80,096

Report Date: 05/14/2020

NPS / RIP Subcomponent Details for DEWA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Paved Routes, Non-NPS
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

= Concession Route

Red text denotes:
*Unpaved route data (mileages and square footage) were collected by the Road Inventory Program (RIP) only when the Cycle Collected is "6", otherwise the unpaved information was provided by NPS.

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

DEWA *Delaware Water Gap National Recreation Area*

DEWA-0931ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0931AZ	55243	6	2		PEEC COMPLEX REGISTRATION PARKING	FROM EMERY ROAD ON RIGHT	TO ROUTE 0232CZ (PEEC CABIN ACCESS)	YES	PUBLIC	16,670
0931BZ	55243	6	2		PEEC COMPLEX DINING HALL PARKING	FROM ROUTE 0232CZ (PEEC CABIN ACCESS)	TO PARKING	YES	PUBLIC	9,210

Route Identification Changes from Previous Cycle
Delaware Water Gap National Recreation Area

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0013	NATIONAL PARK DRIVE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 1 TO 2.
0103	OLD DINGMANS BRIDGE ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 4 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0109	NPS 602	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 1 TO 2.
0122	THUNDER MOUNTAIN ACCESS ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 2 TO 4 BECAUSE THE ROUTE IS A PRIMITIVE PARK ROAD.
0125	JERRY LEE'S ROAD	ROUTE NAME	ROUTE NAME CHANGED FROM "LEE ROAD" TO "JERRY LEE'S ROAD" IN CYCLE 6.
0128	TOTTS GAP ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 2 TO 3 BECAUSE THE ROUTE IS A SPECIAL PURPOSE PARK ROAD.
0232ZZ	PEEC CABIN ACCESS ROADS	OTHER	FMSS # CHANGED FROM 55241 TO 32125 TO ALIGN WITH FMSS DATABASE PER PARK STAFF REQUEST.
0233ZZ	SMITHFIELD BEACH ACCESS ROADS	OTHER	FMSS # CHANGED FROM 53799 TO 53736 TO ALIGN WITH FMSS DATABASE PER PARK STAFF REQUEST.
0240	RADCLIFF ACCESS ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 3 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0400	WATERGATE SERVICE ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 4 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0401	MILLBROOK SERVICE ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 4 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0425	MOUNT TAMMANY FIRE ROAD	LENGTH CHANGE	ROUTE LENGTH IS ONLY 4 MILES LONG INSTEAD 6 MILES, CHANGED TO ALIGN WITH FMSS.
0435	SHOEMAKER/HOUCK (SILVER SPRAY) ENTRY DRIVE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED. UNDRIVEABLE/WASHED OUT.
0440	NELDEN-HORNBECK (ROBERTS) FARM LANE	SURFACE TYPE CHANGE	SURFACE TYPE CHANGED FROM GRAVEL TO NATIVE IN CYCLE 6.
0450	DINGMANS FALLS DRIVEWAY	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0460	SPROUL/ASPINALL ACCESS ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.

Route Identification Changes from Previous Cycle
Delaware Water Gap National Recreation Area

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0461	SPROUL/ASPINALL ENTRANCE LANE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 6 BECAUSE PUBLIC ACCESS IS RESTRICTED.
0465	ZIMMERMAN, MARIE SIDE LANE	SURFACE TYPE CHANGE	SURFACE TYPE CHANGED FROM GRAVEL TO NATIVE.
0601	STRUBLE ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 8 TO 4 BECAUSE THE ROUTE IS A PRIMITIVE PARK ROAD.
0902	RESORT POINT OVERLOOK	SQ FEET CHANGE	MINOR ADJUSTMENTS TO GPS TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0905	HEADQUARTERS PARKING	SQ FEET CHANGE	MINOR ADJUSTMENTS TO GPS TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0909ZZ	MILFORD BEACH PARKING AREAS	OTHER	FMSS NUMBER CHANGED FROM 53862 TO 32003.
0916	DINGMAN'S MAINTENANCE FACILITY PARKING	SQ FEET CHANGE	MINOR ADJUSTMENTS TO GPS TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0923	CHILDSPARK PARKING AREA	ROUTE NAME	ROUTE NAME CHANGED FROM "LOWER PARKING FOR CHILDSPARK" TO "CHILDSPARK PARKING AREA" IN ORDER TO ALIGN WITH FMSS; MINOR ADJUSTMENTS TO GPS TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0931ZZ	PEEC COMPLEX PARKING AREAS	SQ FEET CHANGE	MINOR ADJUSTMENTS TO GPS (0931AZ) TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0932	CAMP WEYGADT COMPLEX PARKING AREA	SQ FEET CHANGE	MINOR ADJUSTMENTS TO GPS TO REFLECT PARKING LOT GEOMETRY ACCURATELY.
0976	STOCKPILE 8 ACCESS/PARKING	OTHER	USER ACCESS CHANGED FROM PUBLIC TO NONPUBLIC.

Section 3
Park Summary Information

Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Parkwide Paved Route Condition Summary
Delaware Water Gap National Recreation Area

Table 1: Paved Route Miles and Parking Area Square Footages by Access Level and PCR

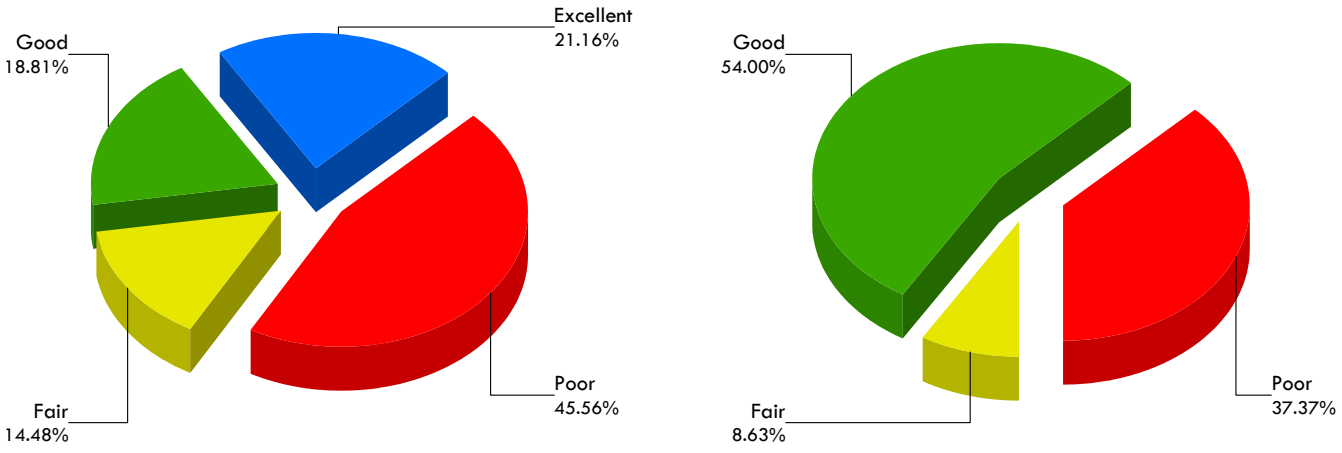
Breakdown of Pavement Condition Rating (PCR) Based on Access Level

	POOR (PCR of 0 - 60)	FAIR (PCR of 61 - 84)	GOOD (PCR of 85 - 94)	EXCELLENT (PCR of 95 -100)	
PAVED ROADS					
Functional Class	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Total Mileage by FC**
1	25.43	6.30	7.86	12.21	51.80
2	4.32	3.54	4.13	2.60	14.59
3	3.17	0.86	1.79	0.53	6.35
4	0.51		0.10	0.29	0.90
5	0.13				0.13
6	0.07				0.07
7					
8					
Total Mileage by PCR	**33.64**	**10.70**	**13.89**	**15.63**	**73.85**
PAVED PARKING					
Access Level	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Total Area**
PUBLIC	235,300	92,899	581,249		909,448
NONPUBLIC	166,953				166,953
Total Area by PCR	**402,253**	**92,899**	**581,249**	**0**	**1,076,401**

NOTES:

1. Data are reported in the table only for paved roads and parking lots that received a condition rating.
2. Non-linear roads (MRP collected routes) are measured by area and converted to equivalent route miles based on a 22-ft pavement width in order to be included in the mileage totals for paved roads shown above.
3. Quantities in the table above are derived from the route condition data within the PMS_20, PMS_MRL, PMS_MRP, and PMS_PKG tables in the Park geodatabase.

Parkwide Condition Percentages



Road Condition Percentages

Parking Area Condition Percentages

Figure 1: Pavement Condition Rating Breakdown for Paved Roads and Parking Areas

Explanation of the Excellent, Good, Fair, and Poor Condition Descriptions

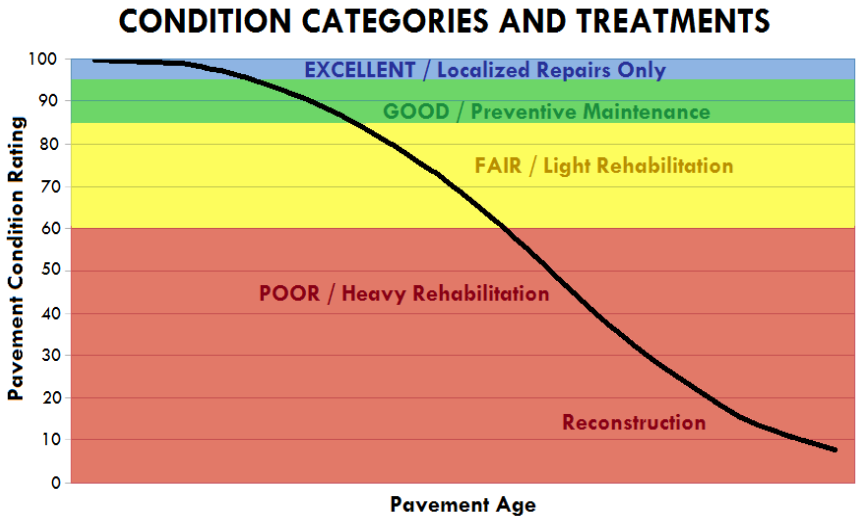
The Road Inventory Program aims to provide assistance in translating the excellent / good / fair / poor rating categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the type of treatments that should be considered now and into the future.

- Excellent / New: PCR of 95-100
  - Pavements in this range will require only spot repairs

- Good: PCR of 85-94
  - Pavements in this range will likely be candidates for Preventive Maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.

- Fair: PCR of 61-84
  - Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include singlelift overlays up to 2.5 inches in total thickness, milling and overlays.

- Poor: PCR of 0-60
  - Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.



At this time, specific Maintenance and Rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions at the time in which the data were collected. For further information or to obtain additional Pavement Management System's data from our Highway Pavement Management Application (HPMA) please contact the Eastern Federal Lands pavement team.

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

Delaware Water Gap National Recreation Area

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Route-level scores shown on this page may not represent scores at smaller intervals (due to rollup calculations).
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
DEWA-0010	29402	OLD MINE ROAD (SOUTH SECTION)	1	AS	13.47	26	65	0	0	25	0	68	97	93
DEWA-0011	29364	KUHN ROAD	2	AS	0.79	95	87	100	100	100	100	100	100	100
DEWA-0012	54399	PETERS VALLEY - WAGONWHEEL ROAD	2	AS	1.08	32	79	0	0	0	6	64	100	97
DEWA-0013	31274	NATIONAL PARK DRIVE	2	AS	0.83	45	73	26	26	97	29	82	100	91
DEWA-0014	31280	U.S. HIGHWAY 209	1	AS	21.05	94	100	90	90	100	90	94	100	98
DEWA-0015	49270	OLD MINE ROAD (NORTH SECTION)	1	AS	7.58	24	61	0	0	20	0	59	98	94
DEWA-0100	29479	BLUE MOUNTAIN LAKE ROAD	2	AS	2.88	22	54	0	0	59	41	77	99	94
DEWA-0105	31277	RIVER ROAD	2	AS	5.89	86	69	97	97	100	97	100	99	98
DEWA-0106	29313	JAGER ROAD	2	AS	0.68	42	73	21	21	99	22	90	98	97
DEWA-0109	29365	NPS 602	2	AS	1.73	94	99	91	91	100	91	97	100	99
DEWA-0110	29404	POMPEY RIDGE ROAD	3	AS	1.12	28	70	0	0	0	30	89	99	95
DEWA-0112AZ	31264	JOHNNY BEE ROAD	3	AS	0.48	23	NR	23	23	96	27	90	99	96
DEWA-0113	29369	NPS ROUTE 615	1	AS	9.72	30	76	0	0	71	19	60	100	98
DEWA-0114	31890	SCHOOL HOUSE ROAD	2	AS	0.12	0	NR	0	0	0	33	56	93	89
DEWA-0115	55557	ICE HOUSE ROAD	3	AS	0.18	25	NR	25	25	100	25	78	94	95
DEWA-0218	31626	DINGMANS FALLS ROAD	3	AS	0.63	84	64	97	97	100	97	99	99	99
DEWA-0231	32006	MILFORD BEACH ACCESS ROAD	3	AS	0.32	58	NR	58	58	74	84	88	100	94
DEWA-0233AZ	53796	SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD	3	AS	0.25	89	NR	89	99	100	99	96	100	89
DEWA-0233BZ	53796	SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS	3	AS	0.18	90	NR	90	95	100	95	95	100	90

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for
Data Collection Vehicle (DCV) Rated Roads

Delaware Water Gap National Recreation Area

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Route-level scores shown on this page may not represent scores at smaller intervals (due to rollup calculations).
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
DEWA-0233CZ	53796	SMITHFIELD BEACH ACCESS ROAD	3	AS	0.16	90	NR	90	94	100	94	97	100	90
DEWA-0234	31941	HIDDEN LAKE ACCESS ROAD	3	AS	0.32	0	NR	0	0	24	67	93	100	95
DEWA-0237	88064	CLIFF PARK ENTRANCE ROAD	3	AS	0.52	65	NR	65	65	100	65	93	100	97
DEWA-0419	30130	BUSHKILL SCHOOL ACCESS ROAD	5	AS	0.13	0	NR	0	0	59	17	53	97	88
DEWA-0601	29427	STRUBLE ROAD	4	AS	0.41	94	NR	94	94	100	94	99	100	99

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Manually Rated Roads

Delaware Water Gap National Recreation Area

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads that were manually rated.
  - MRL: Manually Rated Line (a linear road)
  - MRP: Manually Rated Polygon (a non-linear road)
- Condition on roads that were rated with the Data Collection Vehicle (DCV) are shown in a separate report.
- A road is manually rated when it is determined to be unsuitable for the DCV to drive.
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Manually Rated Line (MRL) Roads

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
DEWA-0103	29386	OLD DINGMANS BRIDGE ROAD	6	AS	0.87	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEWA-0104	29421	UPPER RIDGE ROAD	3	AS	0.72	30	NR	30	NR	30	30	90	97	53
DEWA-0107	29312	FISHER SCHOOL HOUSE ROAD	3	AS	0.54	30	NR	30	NR	30	30	90	73	53
DEWA-0209	29309	CUTOFF ROAD	6	AS	1.18	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEWA-0211	49262	BECK ROAD	4	AS	0.49	0	NR	0	NR	NR	NR	NR	NR	NR
DEWA-0232AZ	32125	PEEC CABIN ACCESS LOOP A	3	AS	0.12	90	NR	90	NR	90	90	90	97	97
DEWA-0232BZ	32125	PEEC CABIN ACCESS LOOP B	3	AS	0.19	90	NR	90	NR	90	90	90	90	97
DEWA-0232CZ	32125	PEEC CABIN ACCESS	3	AS	0.30	90	NR	90	NR	90	90	90	97	97
DEWA-0235	31610	DINGMAN'S CAMPGROUND ENTRY DRIVE	3	AS	0.08	30	NR	30	NR	30	90	90	97	73
DEWA-0422BZ	31264	JOHNNY BEE ROAD SPUR	3	AS	0.24	90	NR	90	NR	97	97	90	97	97
DEWA-0423	31919	HEADQUARTER SERVICE ROAD	6	AS	0.07	53	NR	53	NR	53	53	90	90	73
DEWA-0600	31074	MAIN STREET (WALPACK)	2	AS	0.59	90	NR	90	NR	90	90	90	90	97

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Delaware Water Gap National Recreation Area

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:

- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Paved Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses: Alligator Cracking	Asphalt Surface Distresses: Longitudinal / Tranverse Cracking	Asphalt Surface Distresses: Rutting / Distortions	Asphalt Surface Distresses: Potholes / Patching	Asphalt Surface Distresses: HMA Patching	Asphalt Surface Distresses: Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Concrete Surface Distresses: Slab Cracking	Concrete Surface Distresses: Joint Distresses	Concrete Surface Distresses: Delamination / Pop-Outs	Concrete Surface Distresses: Potholes / Patching
DEWA-0900AZ	49365	POXONO BOAT LAUNCH LOWER PARKING	PUBLIC	AS	7,279	53	53	53	73	53	97	73					
DEWA-0900BZ	49365	POXONO BOAT LAUNCH UPPER PARKING	PUBLIC	AS	5,645	73	90	90	90	90	97	73					
DEWA-0902	31298	RESORT POINT OVERLOOK	PUBLIC	AS	13,874	90	97	90	97	97	97	90					
DEWA-0903	31297	POINT OF GAP OVERLOOK	PUBLIC	AS	42,242	53	53	90	73	97	97	73					
DEWA-0904AZ	31296	ARROW ISLAND OVERLOOK PARKING A	PUBLIC	AS	10,656	53	53	90	90	73	97	90					
DEWA-0904BZ	31296	ARROW ISLAND OVERLOOK PARKING B	PUBLIC	AS	14,067	90	90	90	90	97	97	90					
DEWA-0905	31918	HEADQUARTERS PARKING	PUBLIC	AS	27,718	90	97	90	97	97	97	97					
DEWA-0906AZ	32276	SMITHFIELD BEACH PARKING A	PUBLIC	AS	96,514	90	97	97	90	97	97	90					
DEWA-0906BZ	32276	SMITHFIELD BEACH PARKING B	PUBLIC	AS	70,446	90	97	97	90	97	97	90					
DEWA-0907	31939	HIDDEN LAKE PARKING	PUBLIC	AS	15,801	73	73	90	90	90	97	90					
DEWA-0908	31870	DINGMAN'S FERRY ACCESS PARKING AREA	PUBLIC	AS	106,064	90	90	90	97	97	97	90					
DEWA-0909AZ	32003	MILFORD BEACH CANOE LAUNCH PARKING	PUBLIC	AS	2,326	90	97	97	97	97	97	90					
DEWA-0909BZ	32003	MILFORD BEACH BOAT LAUNCH PARKING	PUBLIC	AS	40,330	53	53	53	73	97	97	90					
DEWA-0909CZ	32003	MILFORD BEACH ACCESS PARKING	PUBLIC	AS	80,096	53	53	90	73	97	97	90					
DEWA-0910	49422	BUSHKILL ACCESS PARKING	PUBLIC	AS	68,598	90	90	90	97	97	97	90					
DEWA-0911	30588	KITTATINNY POINT VISITOR CENTER	PUBLIC	AS	45,262	90	97	90	97	97	97	97					
DEWA-0913	30585	KITTATINNY POINT PARKING AREA	PUBLIC	AS	8,857	90	97	90	97	97	97	90					
DEWA-0915	30112	BUSHKILL MAINTENANCE AREA	NONPUBLIC	AS	30,428	30	30	53	73	53	97	73					
DEWA-0916	41633	DINGMAN'S MAINTENANCE FACILITY PARKING	NONPUBLIC	AS	28,870	53	90	53	73	90	97	73					
DEWA-0931AZ	55243	PEEC COMPLEX REGISTRATION PARKING	PUBLIC	AS	16,670	90	90	90	97	97	97	90					
DEWA-0931BZ	55243	PEEC COMPLEX DINING HALL PARKING	PUBLIC	AS	9,210	73	90	90	90	97	97	73					
DEWA-0932	49443	CAMP WEYGADT COMPLEX PARKING AREA	NONPUBLIC	AS	18,692	0											
DEWA-0951	31261	DUCK POND PARKING	PUBLIC	AS	11,252	73	90	90	90	90	97	73					
DEWA-0952	31630	DINGMANS FALLS VISITOR CENTER	PUBLIC	AS	23,158	NR											
DEWA-0953	49462	NORTH CONTACT STATION	PUBLIC	AS	24,328	90	90	90	90	97	90	90					
DEWA-0954	30905	ROE JACOB HOUSE PARKING	PUBLIC	AS	6,043	90	90	90	90	97	97	90					

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Delaware Water Gap National Recreation Area

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:

- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Paved Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses: Alligator Cracking	Longitudinal / Tranverse Cracking	Rutting / Distortions	Potholes / Patching	HMA Patching	Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Slab Cracking	Joint Distresses	Delamination / Pop-Outs	Potholes / Patching
DEWA-0955	49488	MILLBROOK VILLAGE PARKING	PUBLIC	AS	13,967	0											
DEWA-0956	31138	WATERGATE PARKING & ENTRANCE ROAD	PUBLIC	AS	50,991	73	97	90	97	97	97	73					
DEWA-0957	49498	SOUTH CONTACT STATION	PUBLIC	AS	23,309	30	53	90	53	30	97	73					
DEWA-0958	41656	DINGMANS SCHOOL PARKING AREA	PUBLIC	AS	17,421	53	53	53	73	73	97	73					
DEWA-0961	29477	BLUE MOUNTAIN LAKE RECREATION SITE PARKING	PUBLIC	AS	16,800	90	90	90	97	97	97	90					
DEWA-0963	41635	DINGMAN'S MAINTENANCE POLE BARN PARKING	NONPUBLIC	AS	88,963	53	73	53	53	73	97	73					
DEWA-0980	101750	TURTLE BEACH PARKING	PUBLIC	AS	63,682	90	97	90	90	97	97	90					

Data Collection Date: 06/2018

Section 4
Park Route Location Maps

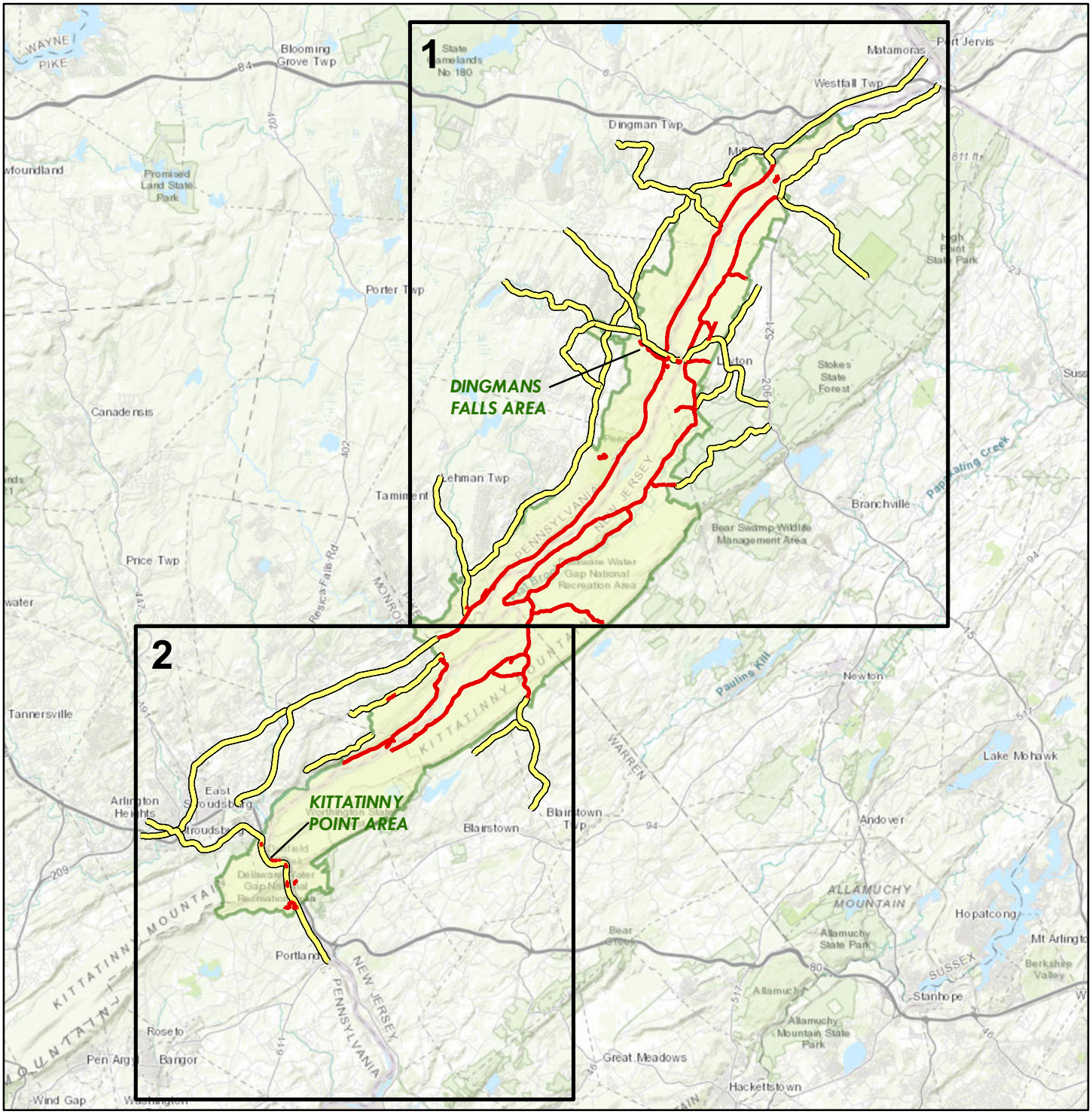
Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Key Map



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NPS Collected Routes

Non-NPS Collected Routes

Miles

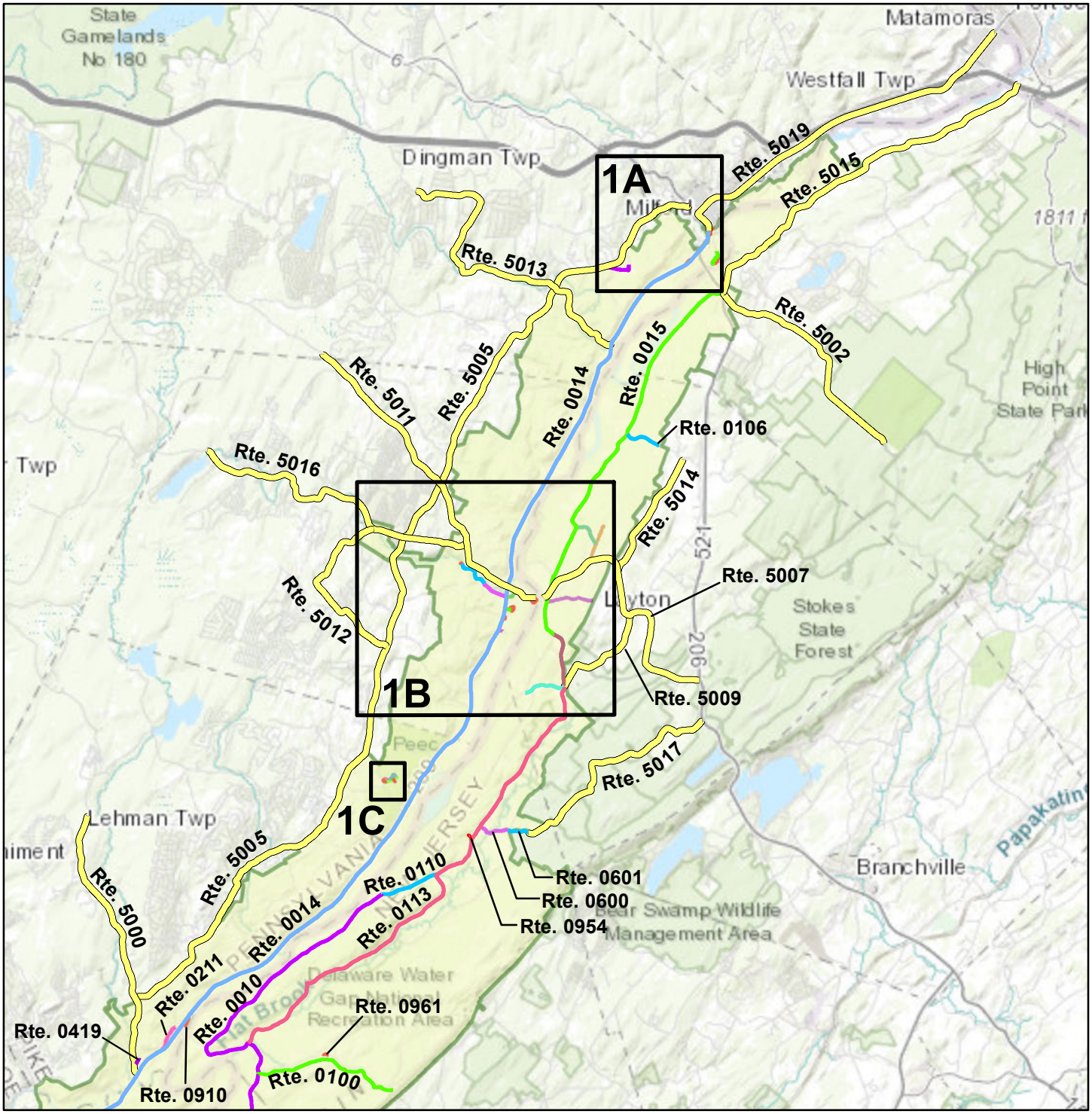
0 10 20

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 1



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

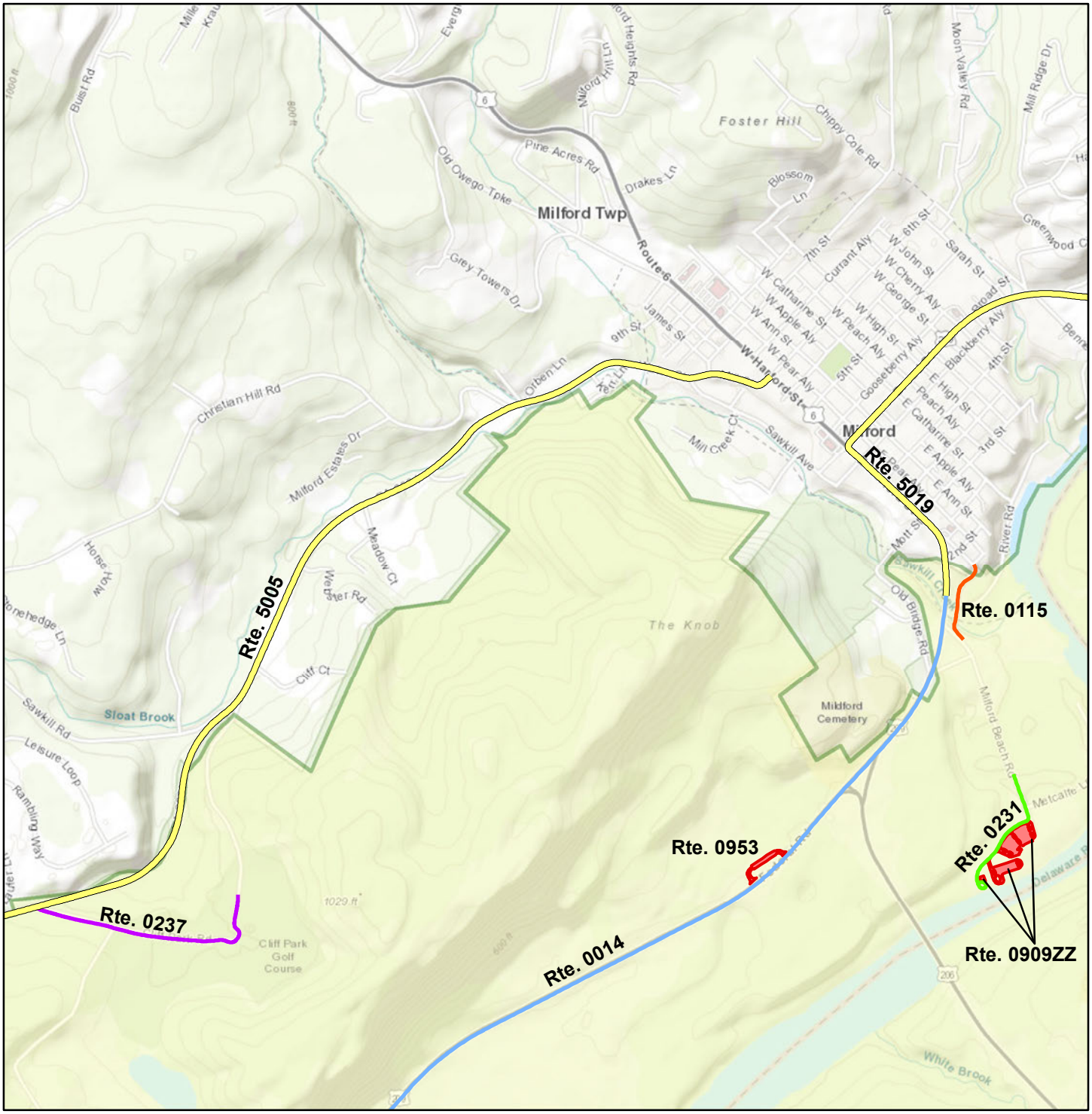
0 5 10

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 1A



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

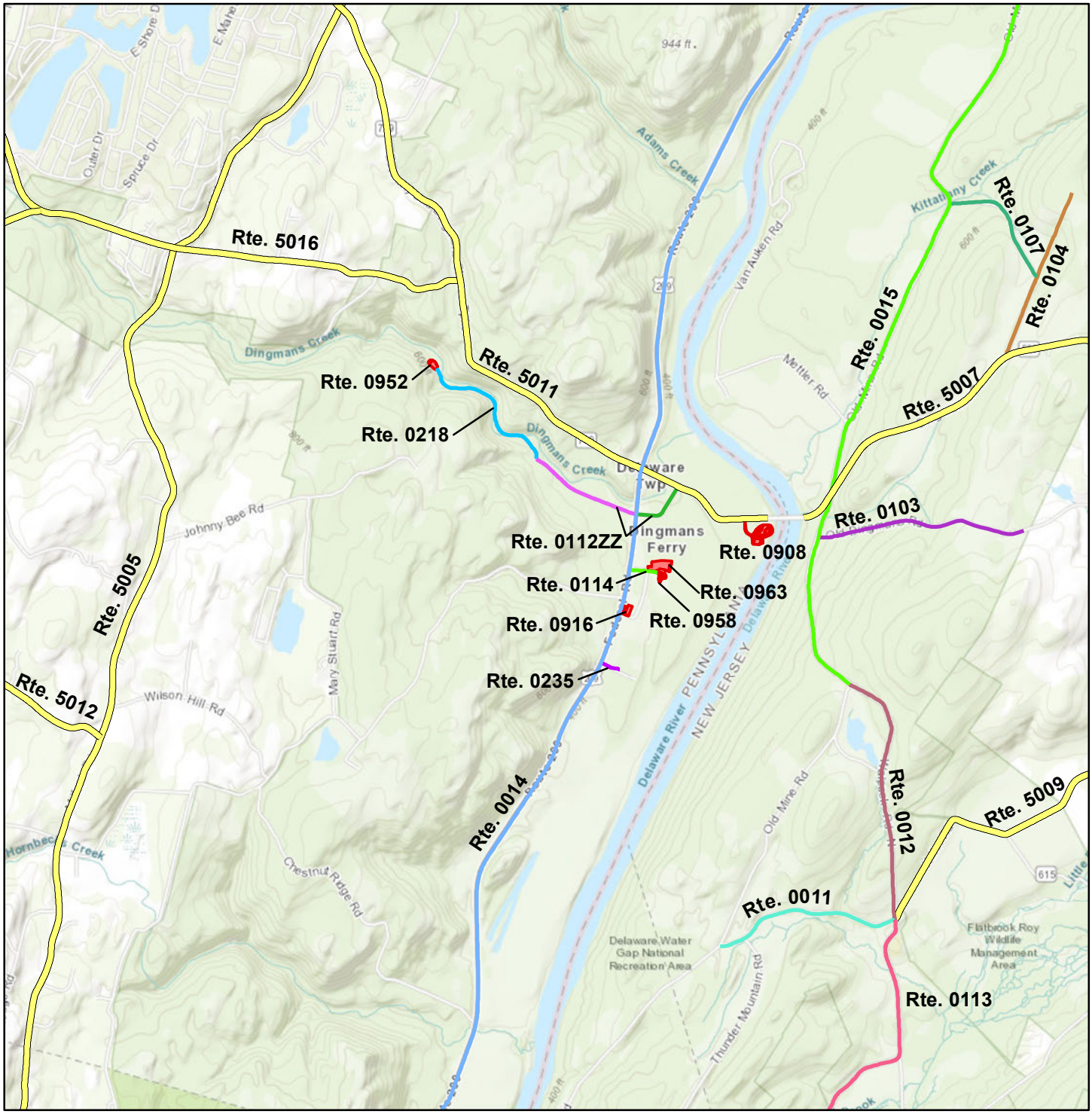
0 0.5 1

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 1B



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 1 2

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 1C

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

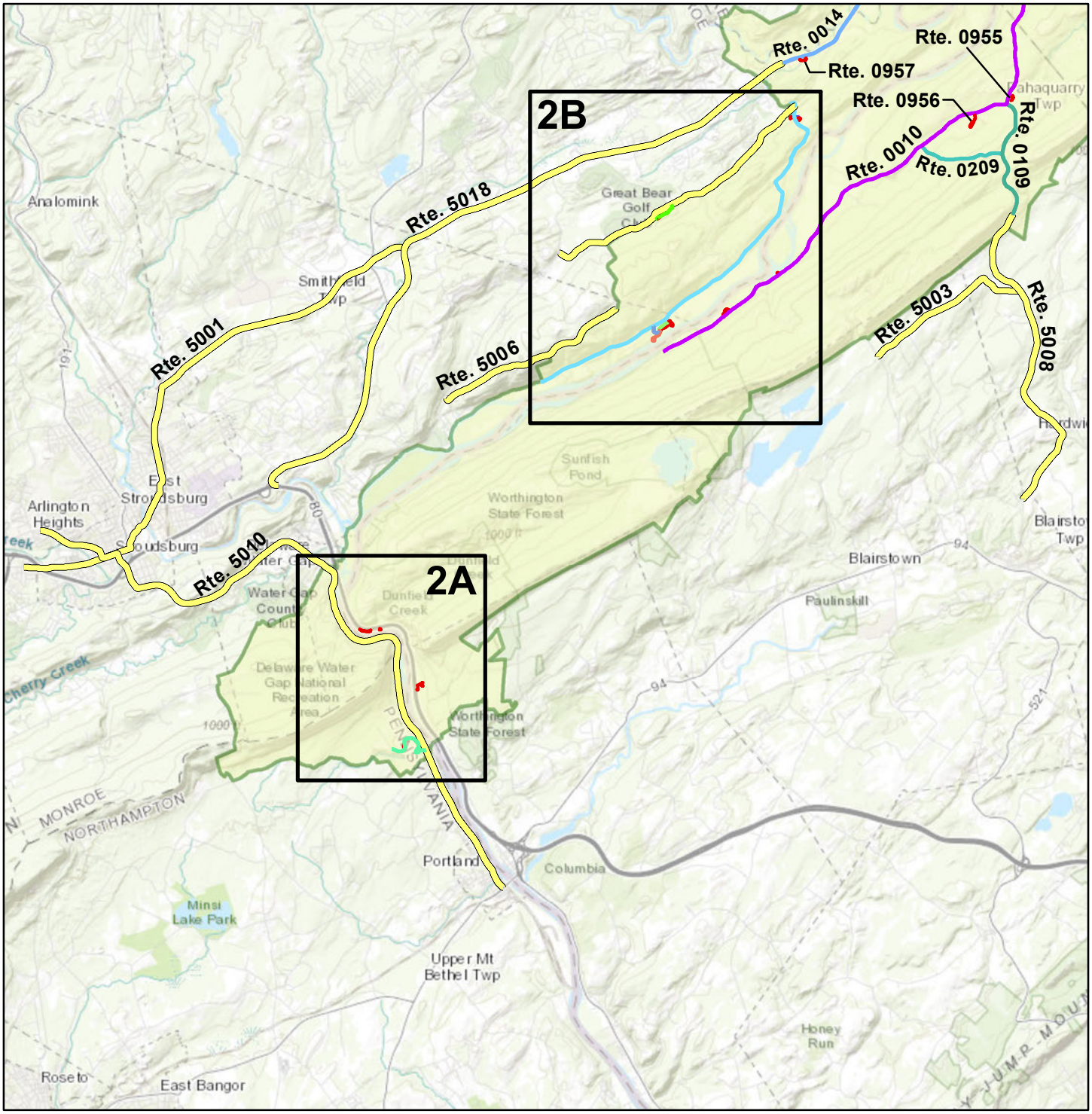
0 0.2 0.4

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 2



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

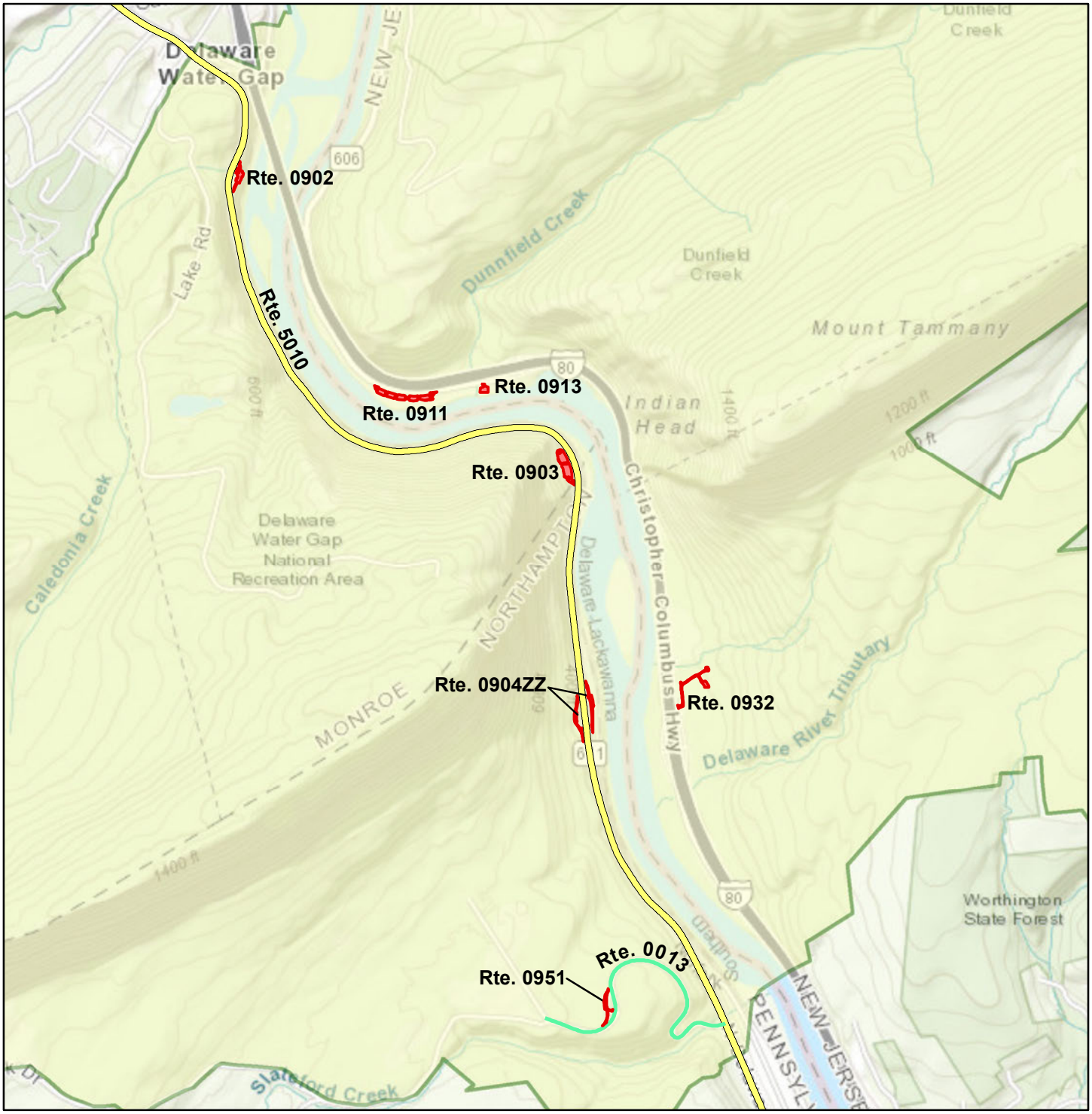
0 5 10

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 2A



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

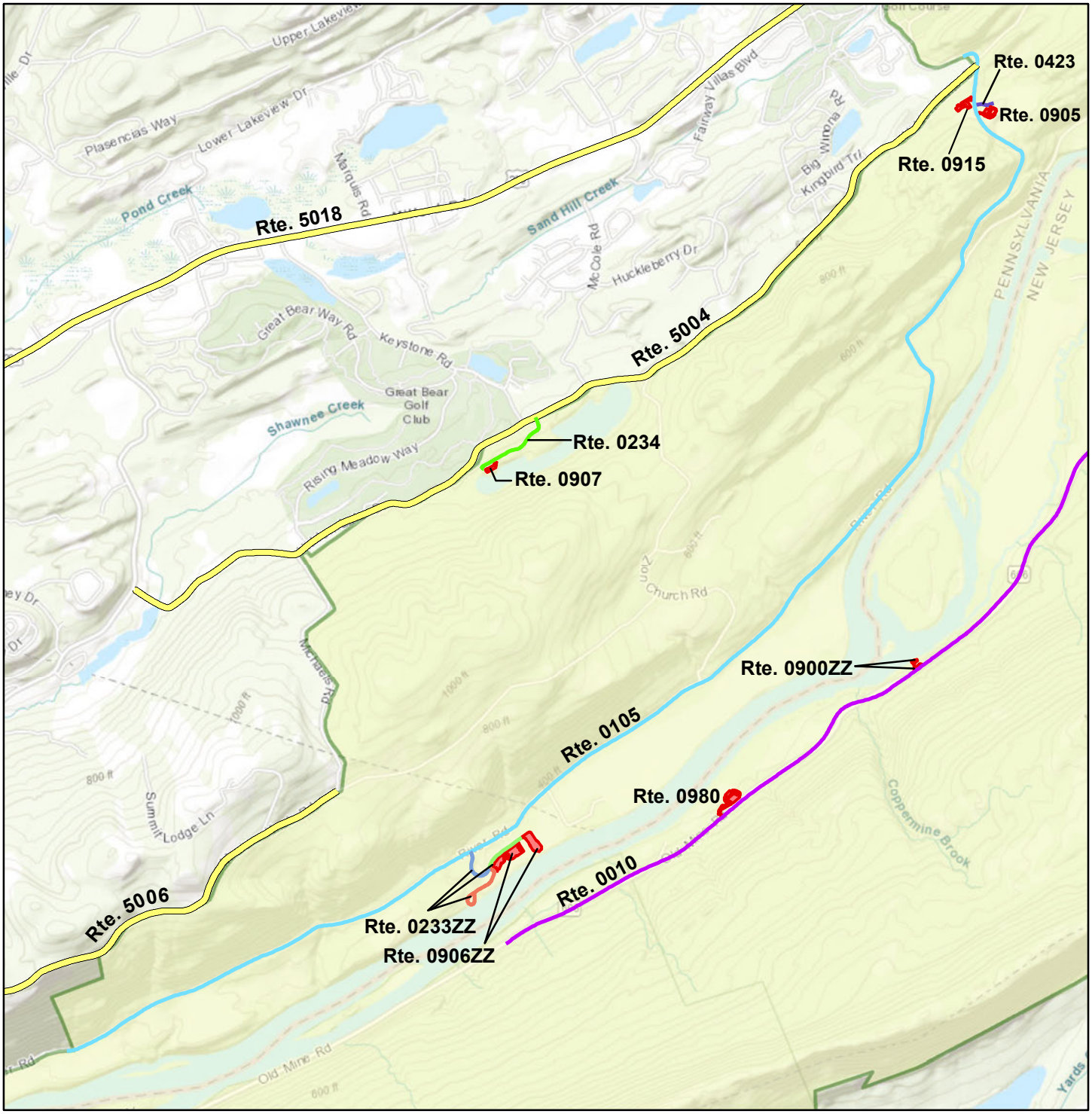
0 1 2

N

Delaware Water Gap National Recreation Area

ROUTE LOCATION MAP

Map 2B



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

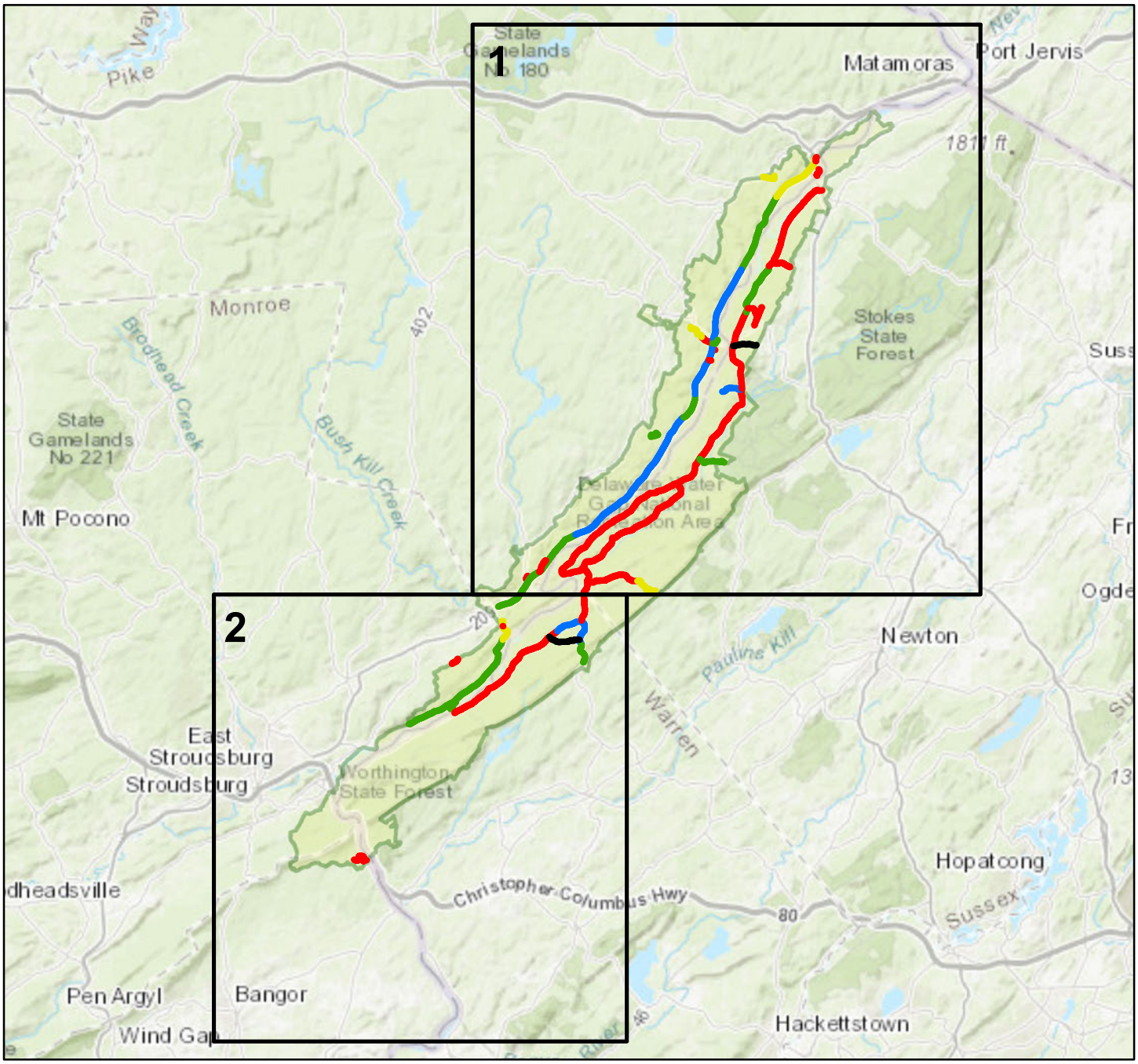
Miles

0 1 2

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Key Map



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

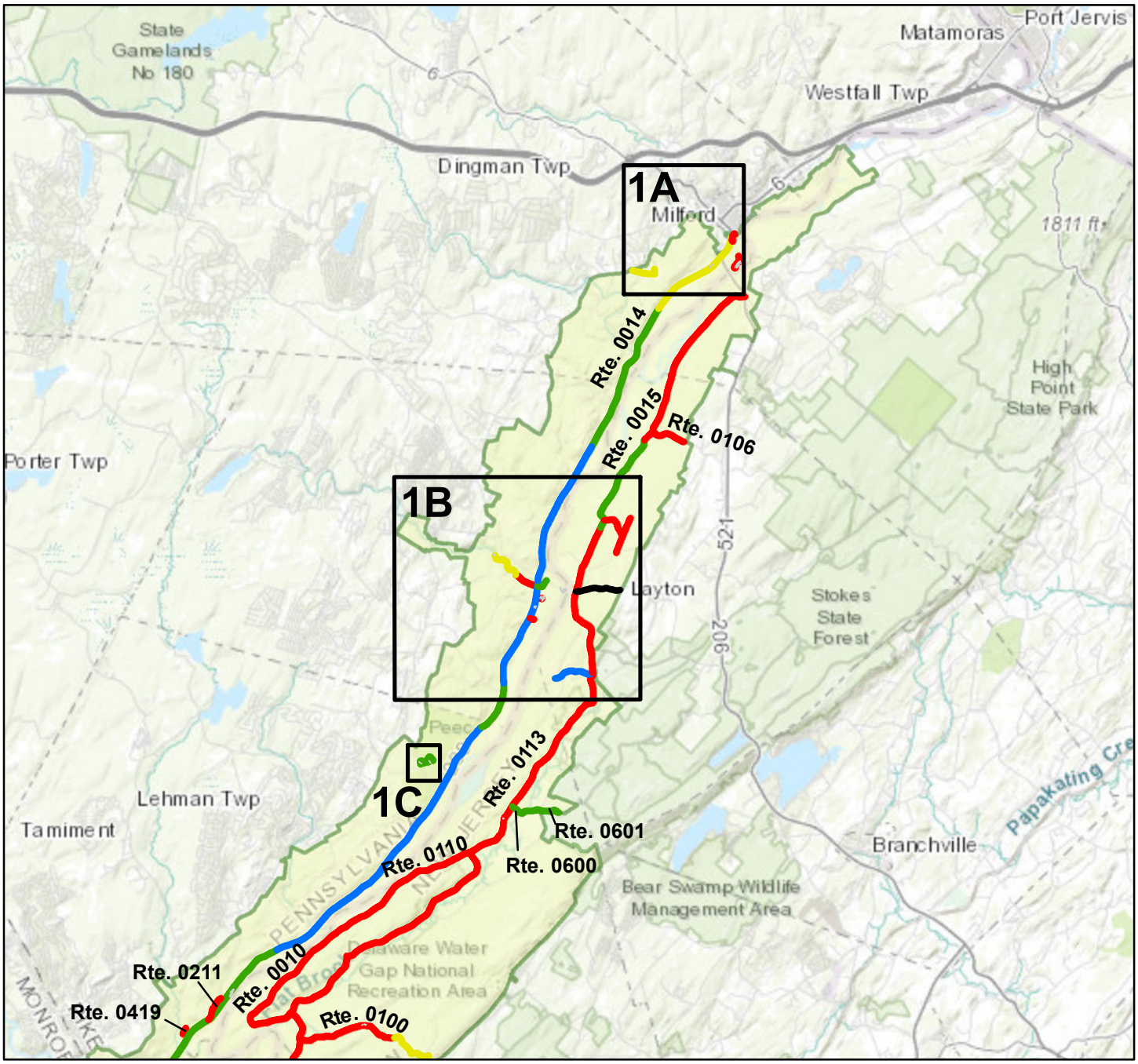
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 10 20

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

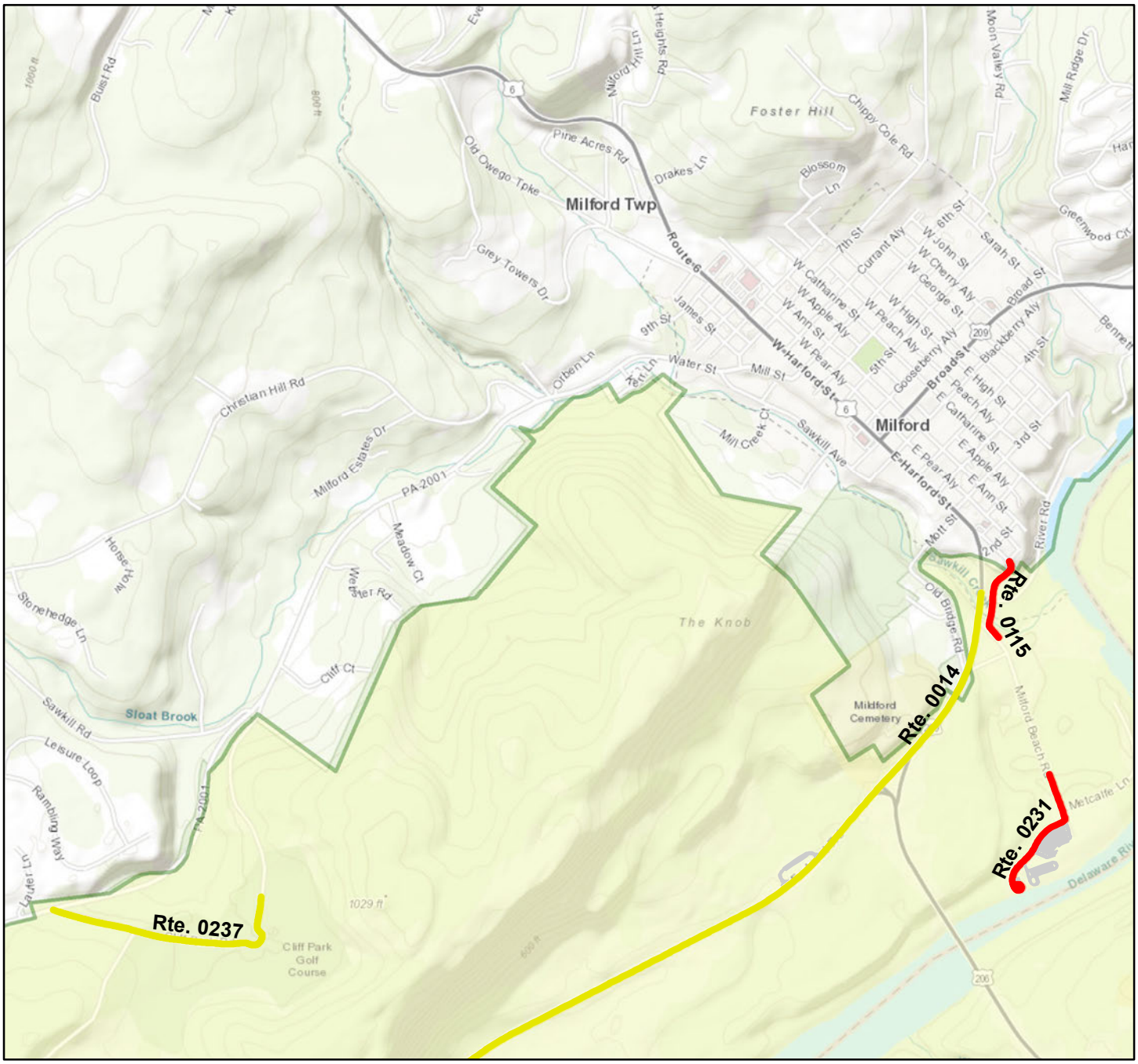
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 5 10

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1A



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

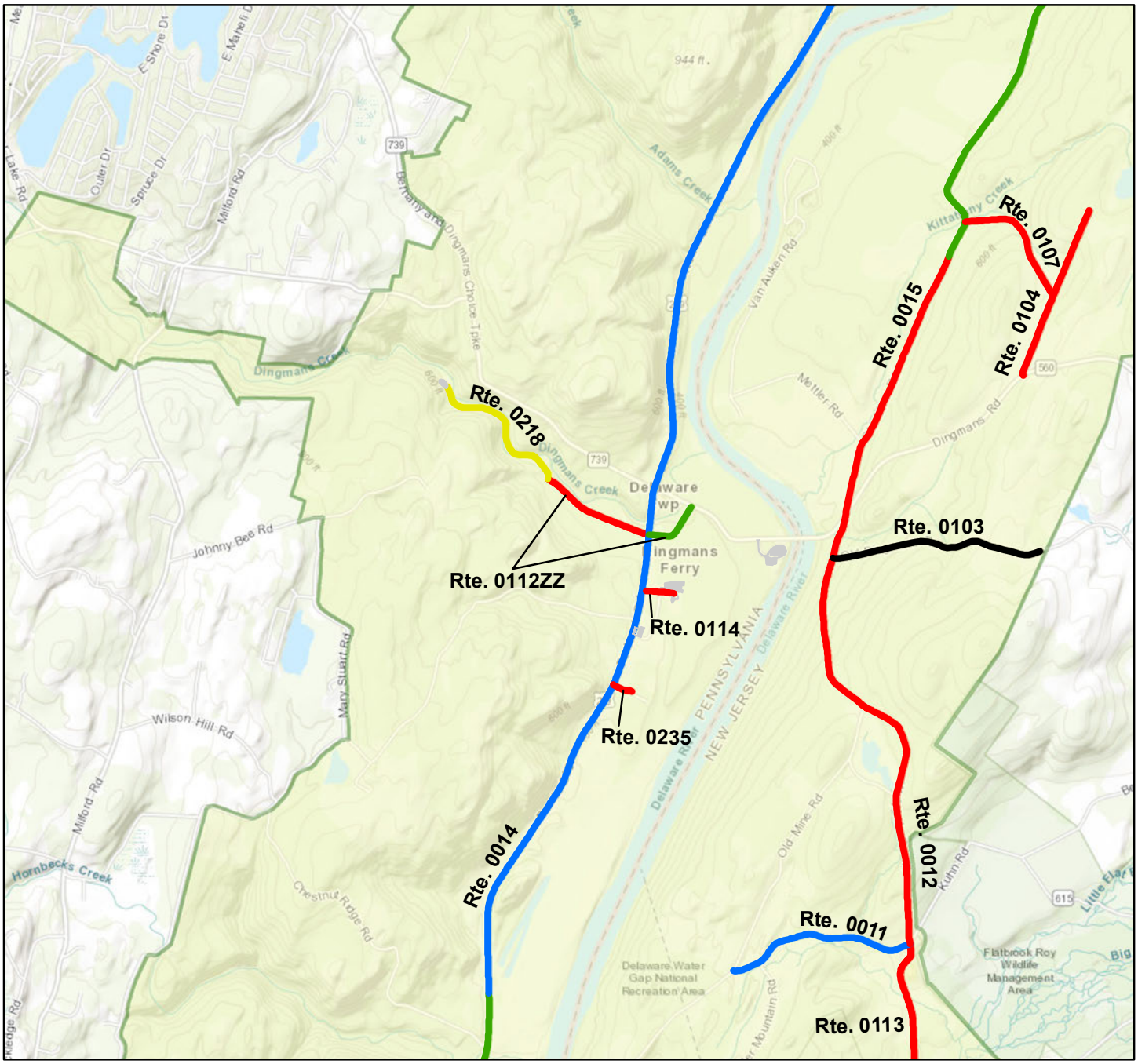
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.5 1

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1B



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

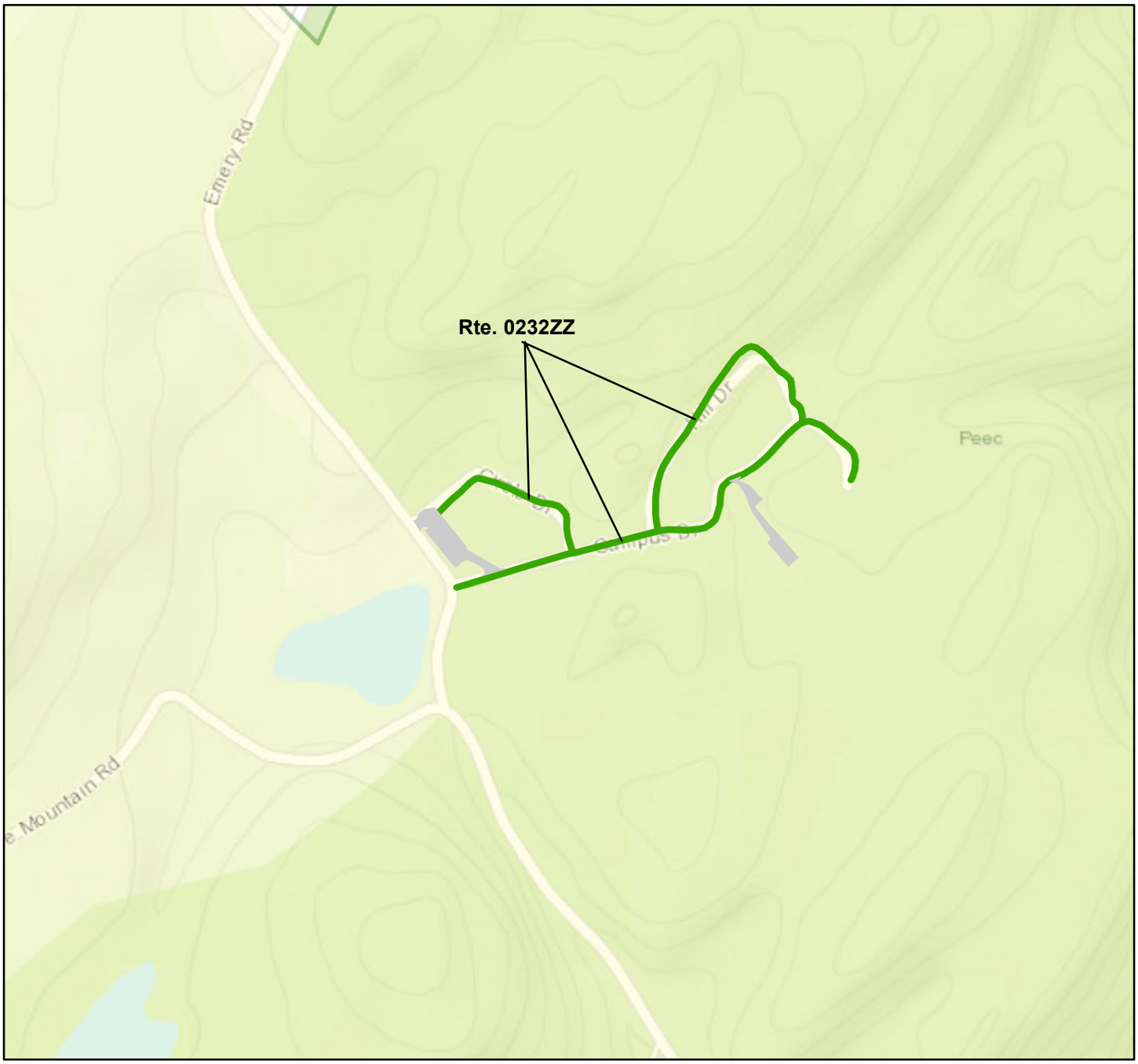
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1C



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

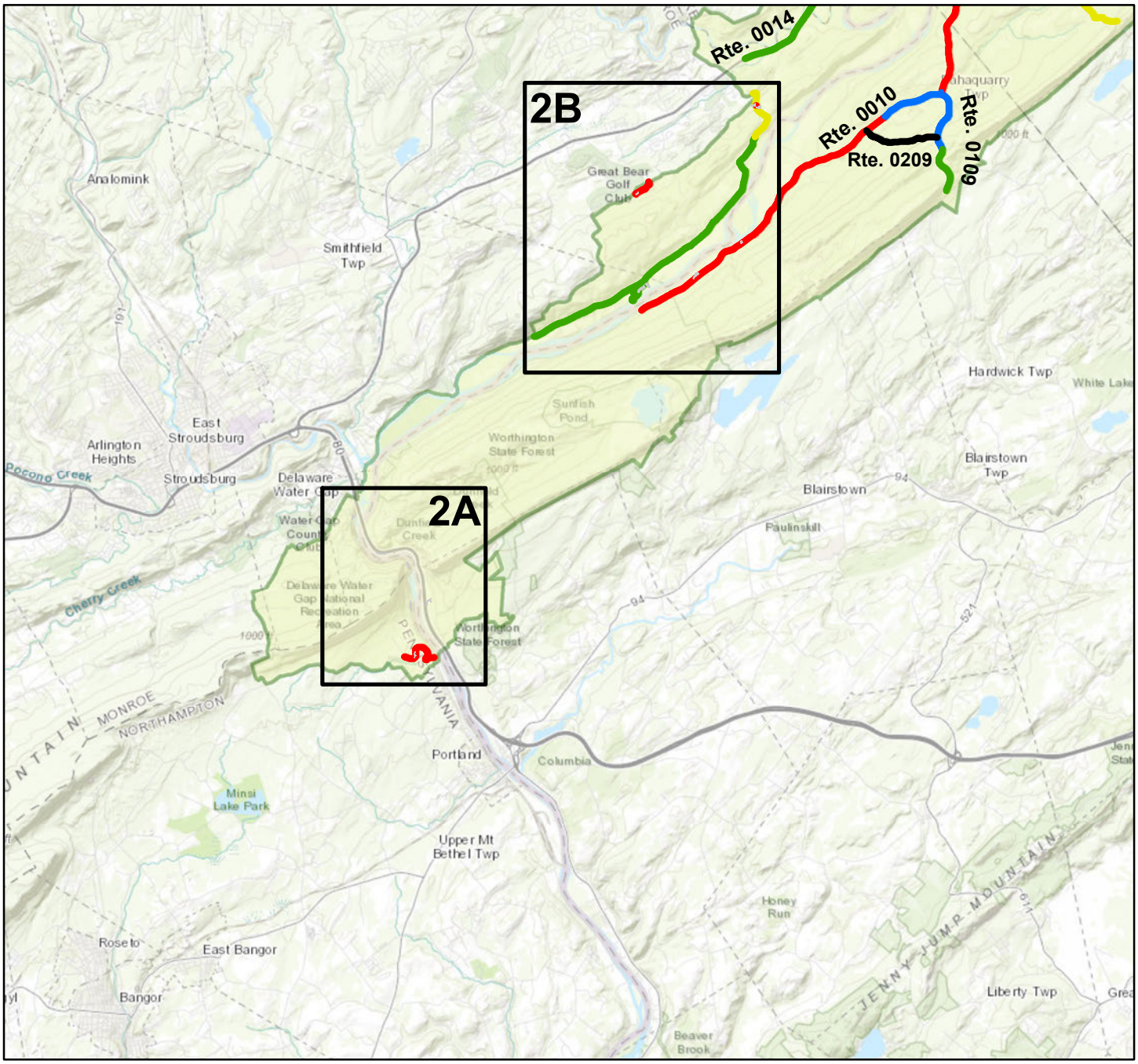
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.15 0.3

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 2



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

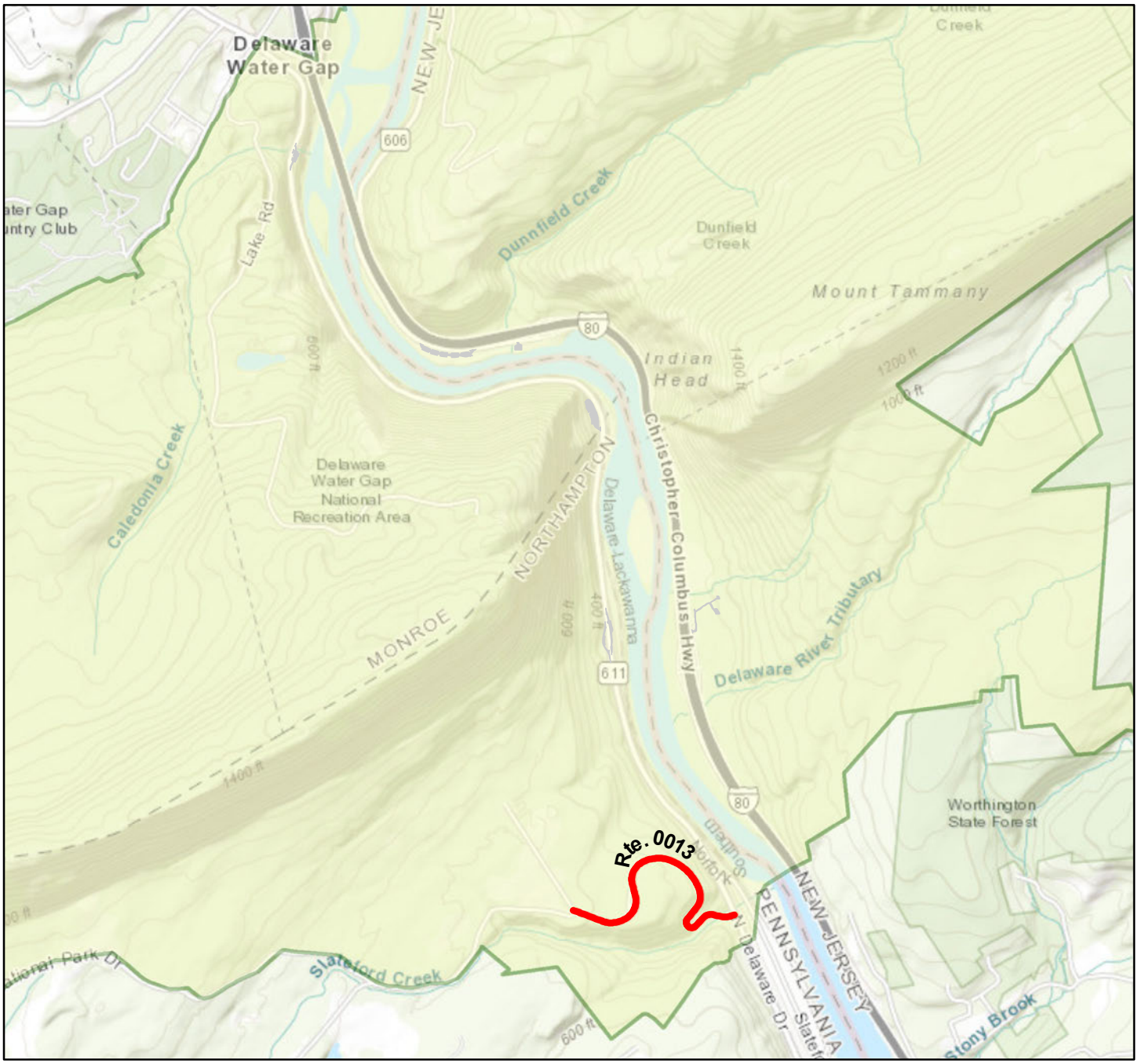
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 5 10

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 2A



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

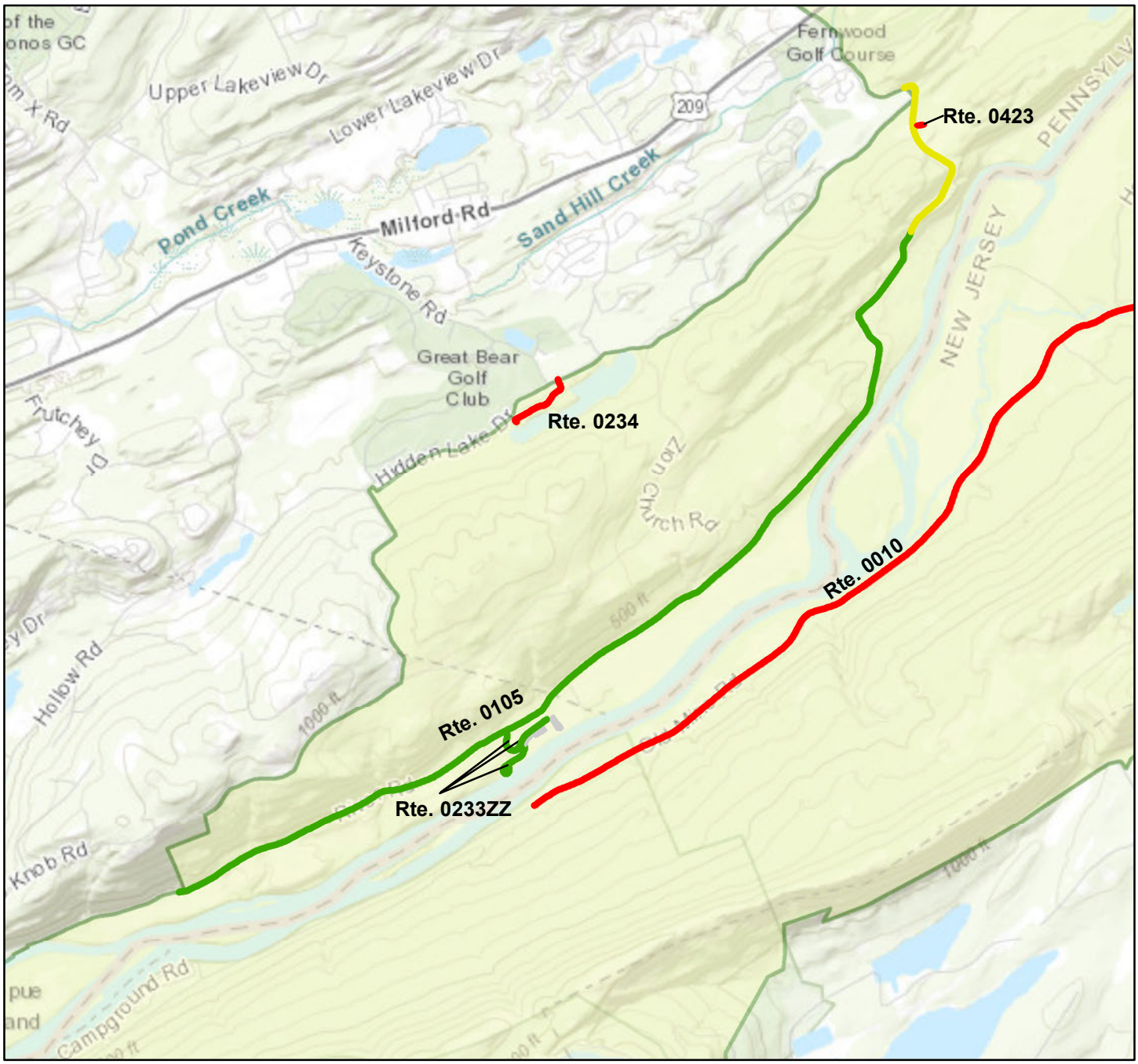
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Delaware Water Gap National Recreation Area

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 2B



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Section 5
Paved Road Condition Rating Sheets

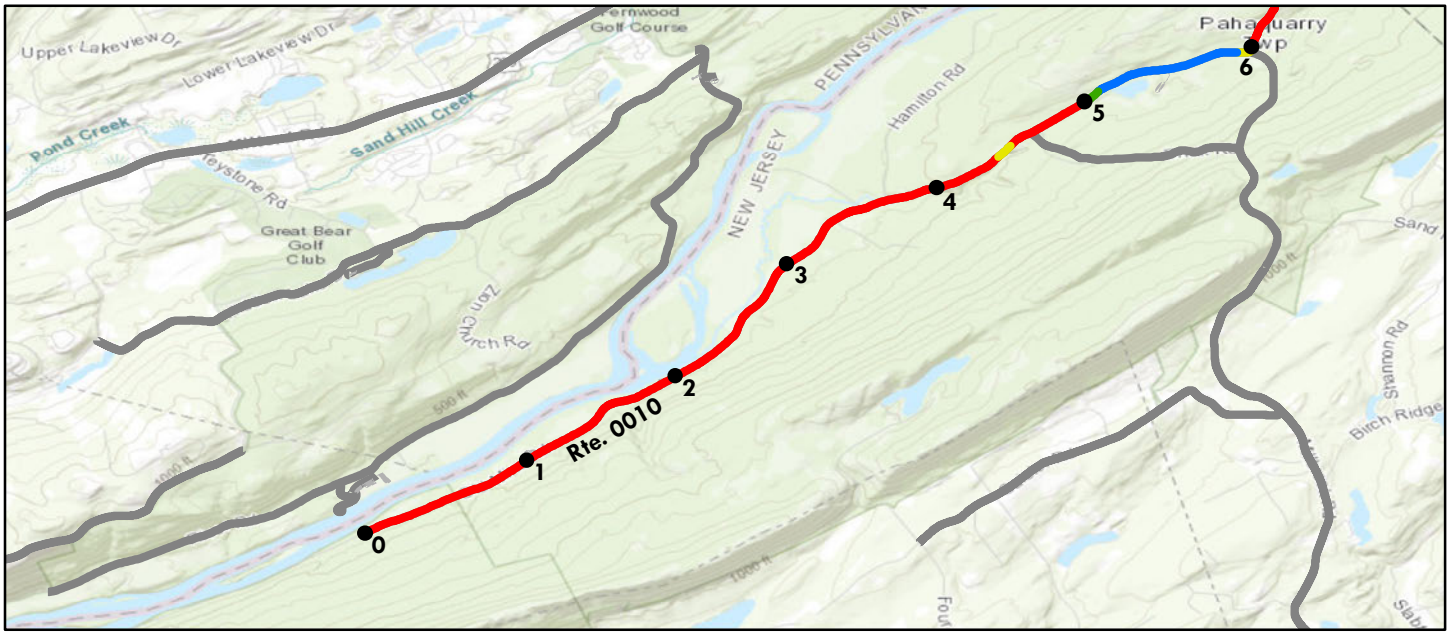
Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Delaware Water Gap National Recreation Area

ROUTE 0010: OLD MINE ROAD (SOUTH SECTION)

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

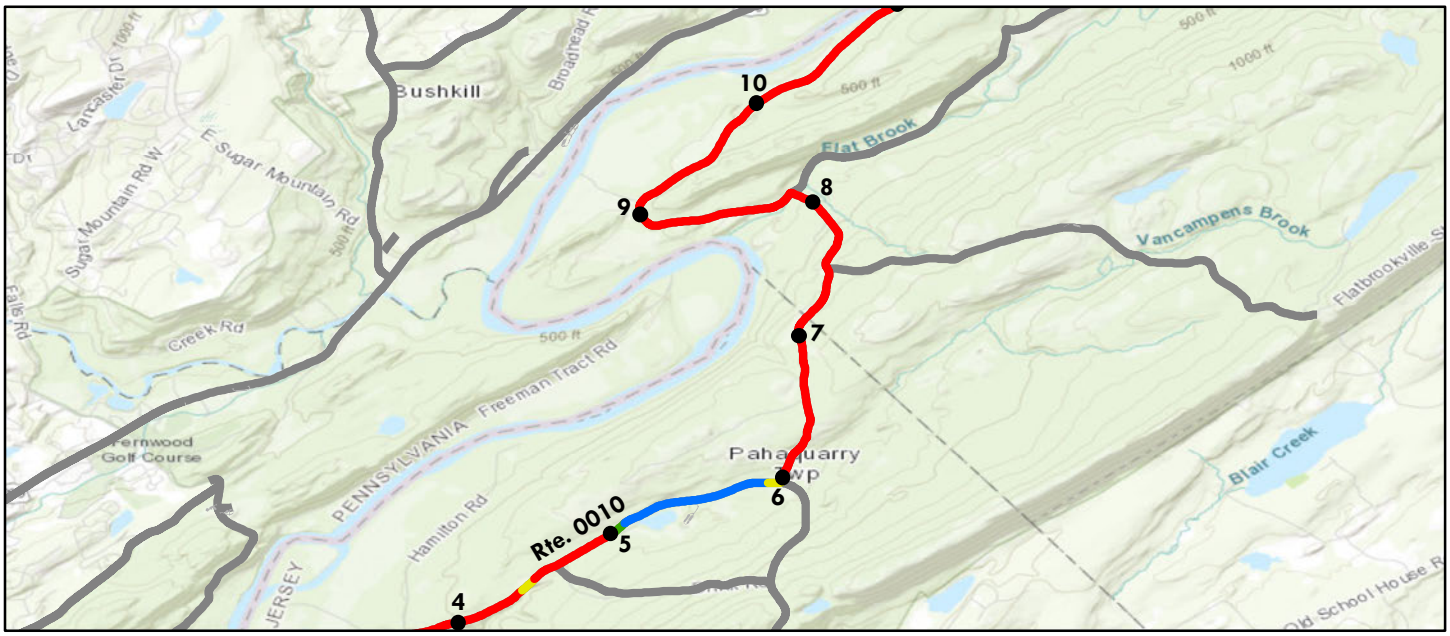
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 13.47	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	26	17	25	30	29	33
Surface Condition Rating (SCR)	0	0	0	0	0	0
Roughness Condition Index (RCI)	65	42	62	74	73	83
Distress Index Values						
Structural Crack Index	0	0	0	0	0	0
Alligator Crack Index	25	0	0	11	43	55
Longitudinal Crack Index	0	0	0	0	5	35
Transverse Cracking Index	68	93	88	82	69	92
Patching Index	97	88	98	99	100	100
Rutting Index	93	89	94	93	94	94
International Roughness Index (IRI)	219	325	230	189	192	160
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	20	20	20.3	19.9	20.5	20.2
Lane Width (ft)	8.8	8.7	8.7	8.1	8.3	8.2

Delaware Water Gap National Recreation Area

ROUTE 0010: OLD MINE ROAD (SOUTH SECTION)

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

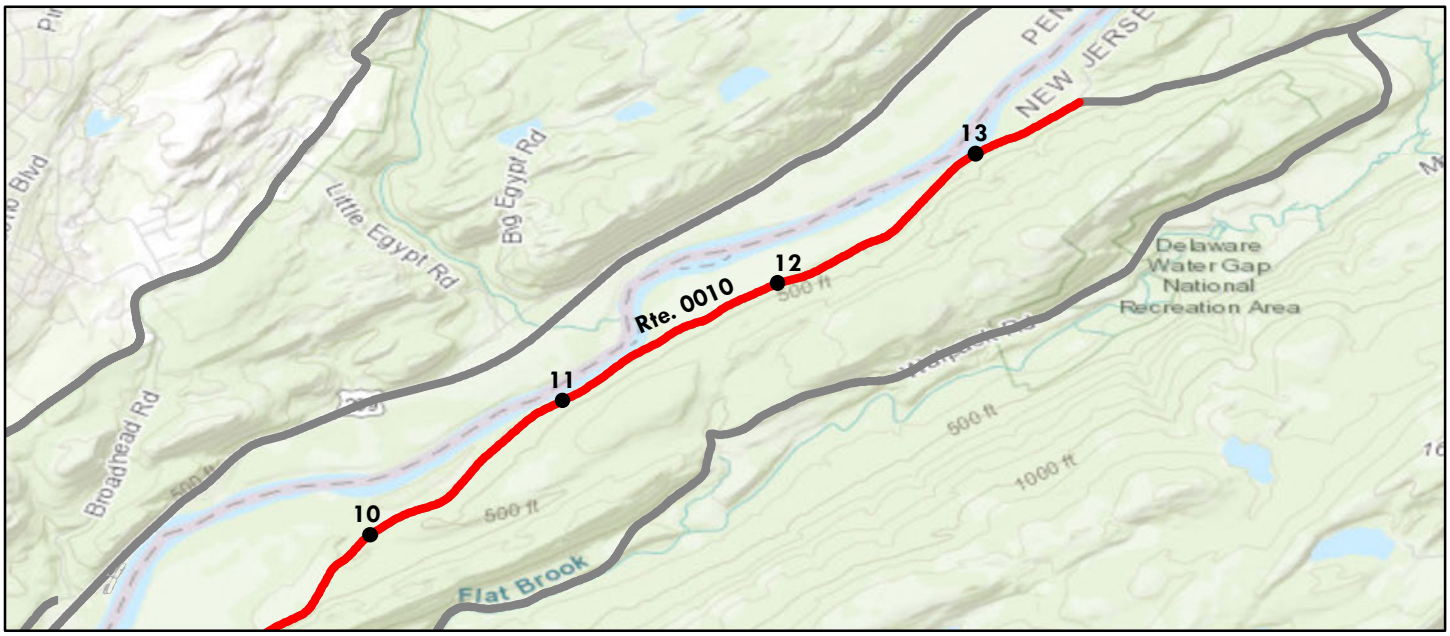
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	5	6	7	8	9
Paved Length (Miles): 13.47	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	26	96	28	9	30	26
Surface Condition Rating (SCR)	0	98	0	0	0	0
Roughness Condition Index (RCI)	65	94	71	23	75	64
Distress Index Values						
Structural Crack Index	0	98	0	0	0	0
Alligator Crack Index	25	99	79	25	75	23
Longitudinal Crack Index	0	99	0	0	0	0
Transverse Cracking Index	68	99	72	61	0	52
Patching Index	97	100	100	81	98	99
Rutting Index	93	100	93	79	95	96
International Roughness Index (IRI)	219	130	197	476	185	224
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	20	20.2	22.2	20.8	19.6	19.7
Lane Width (ft)	8.8	7.9	9	8.4	9.2	9.5

Delaware Water Gap National Recreation Area

ROUTE 0010: OLD MINE ROAD (SOUTH SECTION)

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

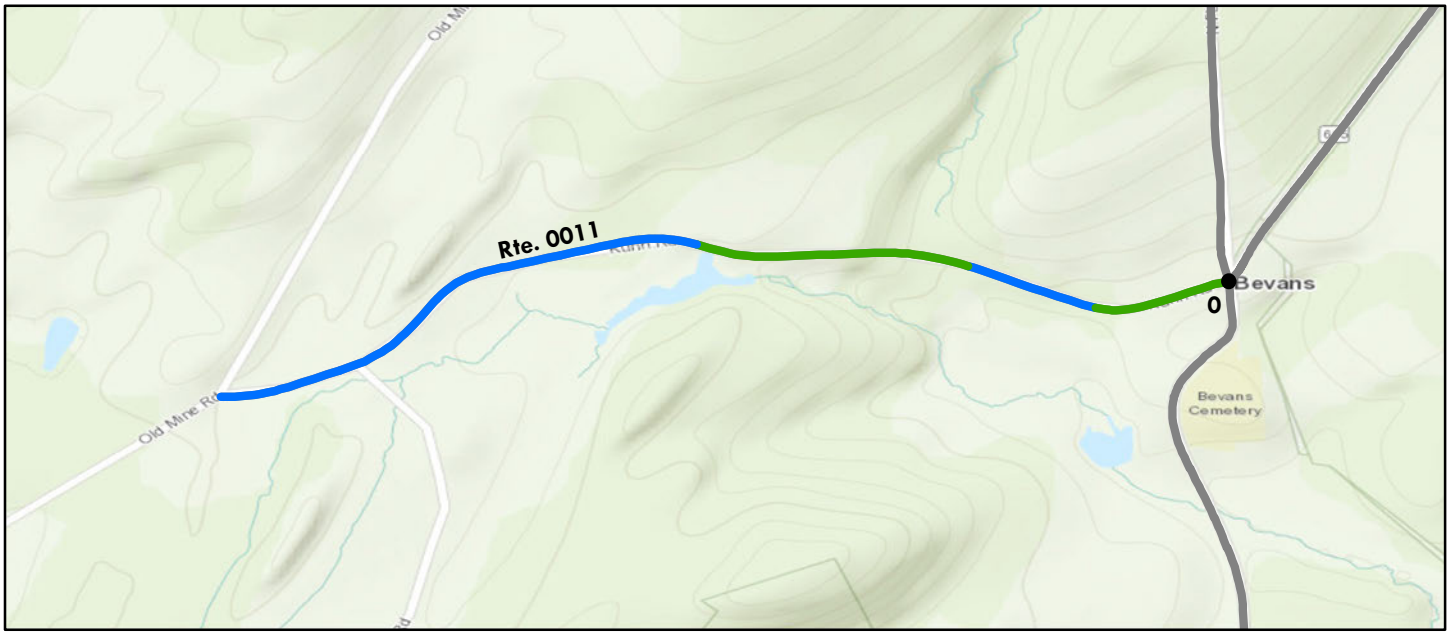
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	10	11	12	13	
Paved Length (Miles): 13.47	**Section Length (MI)**	1	1	1	0.47	
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	26	27	28	27	27	
Surface Condition Rating (SCR)	0	0	0	0	0	
Roughness Condition Index (RCI)	65	68	69	67	67	
Distress Index Values						
Structural Crack Index	0	0	0	0	0	
Alligator Crack Index	25	0	14	15	0	
Longitudinal Crack Index	0	0	0	0	0	
Transverse Cracking Index	68	70	75	49	41	
Patching Index	97	100	100	99	100	
Rutting Index	93	95	96	95	94	
International Roughness Index (IRI)	219	207	207	212	211	
Lane & Width Information						
Number of Lanes	2	2	2	2	2	
Paved Width (ft)	20	19.7	19	19.3	19.5	
Lane Width (ft)	8.8	9.6	9	9.5	10.2	

Delaware Water Gap National Recreation Area

ROUTE 0011: KUHN ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.79	**Section Length (MI)**	0.79				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	87	87				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	150	150				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	19	19				
Lane Width (ft)	8.5	8.5				

Delaware Water Gap National Recreation Area

ROUTE 0012: PETERS VALLEY - WAGONWHEEL ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

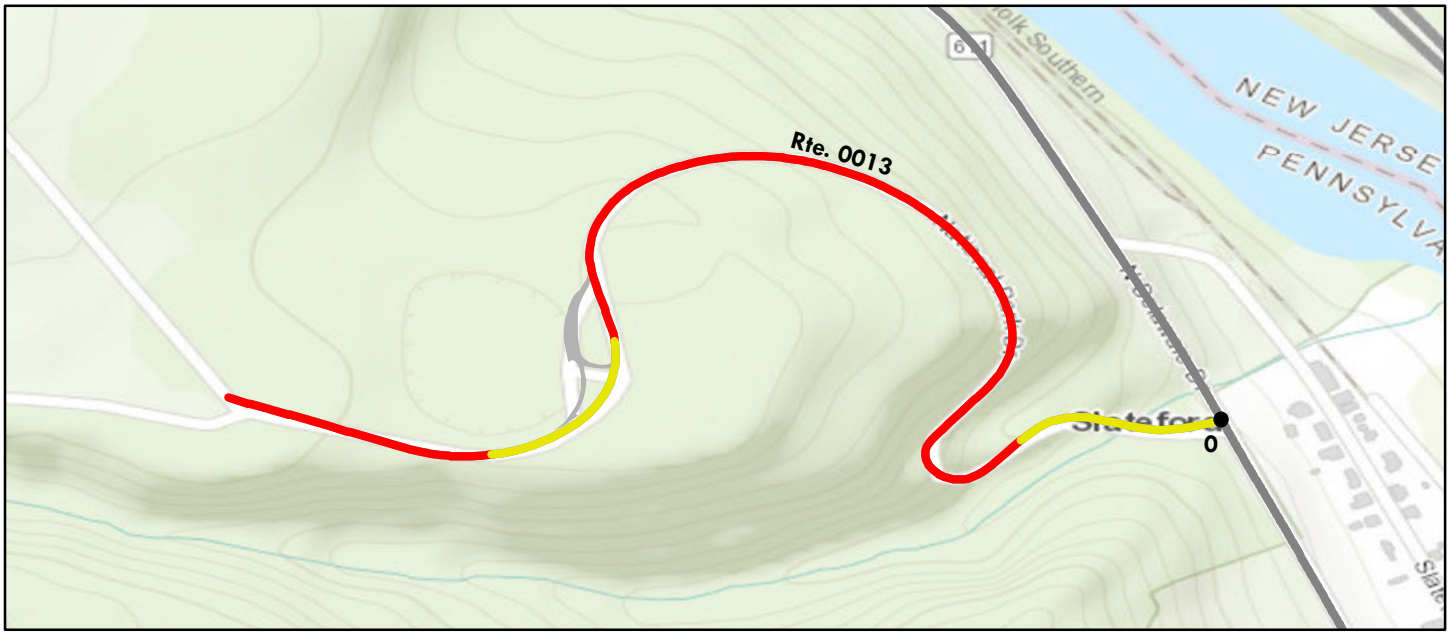
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.08	**Section Length (MI)**	1	0.08			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	32	32	27			
Surface Condition Rating (SCR)	0	0	0			
Roughness Condition Index (RCI)	79	80	68			
Distress Index Values						
Structural Crack Index	0	0	0			
Alligator Crack Index	0	0	47			
Longitudinal Crack Index	6	10	0			
Transverse Cracking Index	64	64	59			
Patching Index	100	100	100			
Rutting Index	97	97	98			
International Roughness Index (IRI)	173	170	209			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	19.3	19.4	18.7			
Lane Width (ft)	8.8	8.9	8.6			

Delaware Water Gap National Recreation Area

ROUTE 0013: NATIONAL PARK DRIVE

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

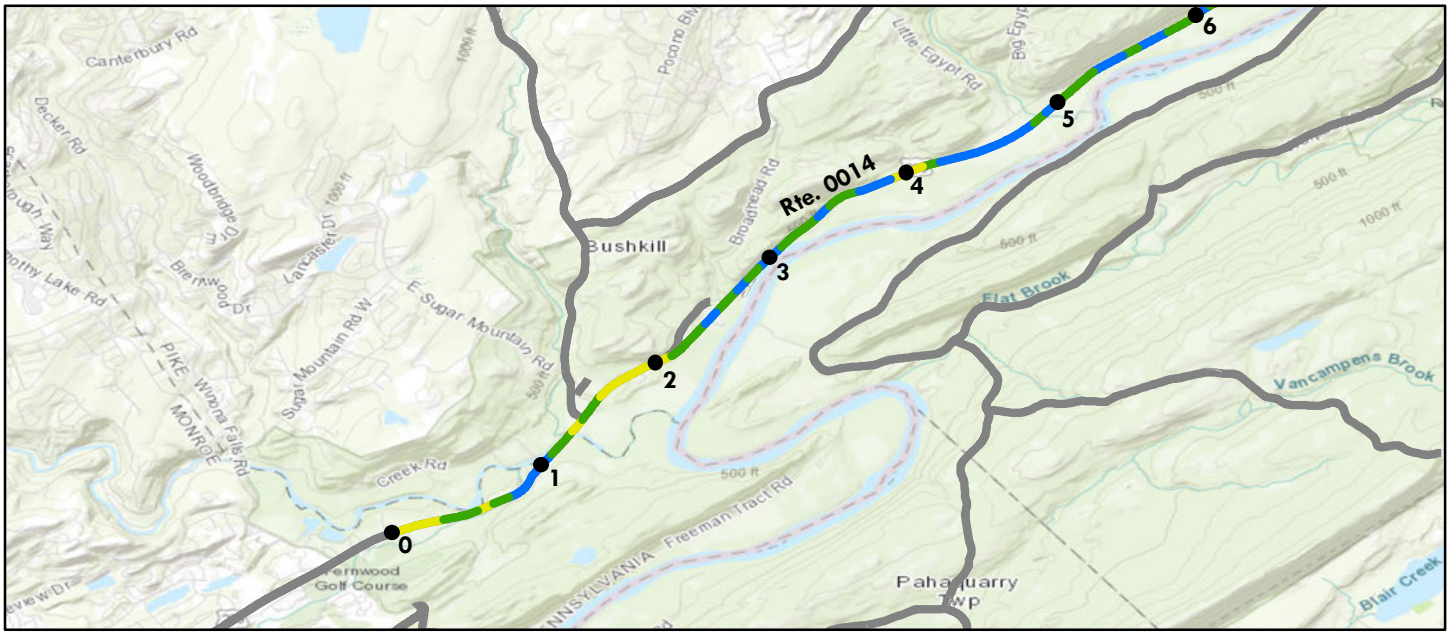
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.83	**Section Length (MI)**	0.83				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	45	45				
Surface Condition Rating (SCR)	26	26				
Roughness Condition Index (RCI)	73	73				
Distress Index Values						
Structural Crack Index	26	26				
Alligator Crack Index	97	97				
Longitudinal Crack Index	29	29				
Transverse Cracking Index	82	82				
Patching Index	100	100				
Rutting Index	91	91				
International Roughness Index (IRI)	191	191				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	26.3	26.3				
Lane Width (ft)	10.8	10.8				

Delaware Water Gap National Recreation Area

ROUTE 0014: U.S. HIGHWAY 209

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

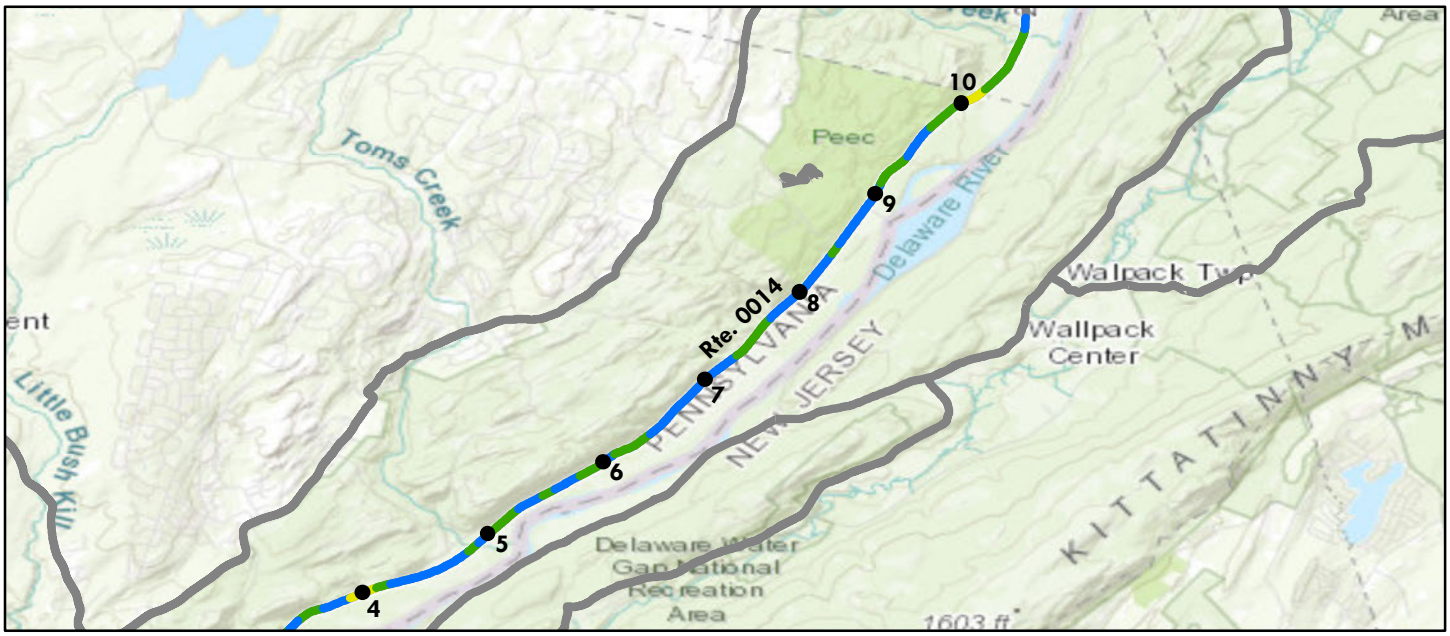
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 21.05	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	89	87	93	93	97
Surface Condition Rating (SCR)	90	93	86	91	94	96
Roughness Condition Index (RCI)	100	83	89	97	91	98
Distress Index Values						
Structural Crack Index	90	95	86	91	94	96
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	90	95	86	91	94	96
Transverse Cracking Index	94	93	94	96	95	96
Patching Index	100	100	100	100	100	100
Rutting Index	98	99	98	96	96	98
International Roughness Index (IRI)	113	159	143	123	136	118
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	30.4	38.9	32.1	27.9	27.9	29.2
Lane Width (ft)	11	11.4	11.1	10.5	10.4	10.8

Delaware Water Gap National Recreation Area

ROUTE 0014: U.S. HIGHWAY 209

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

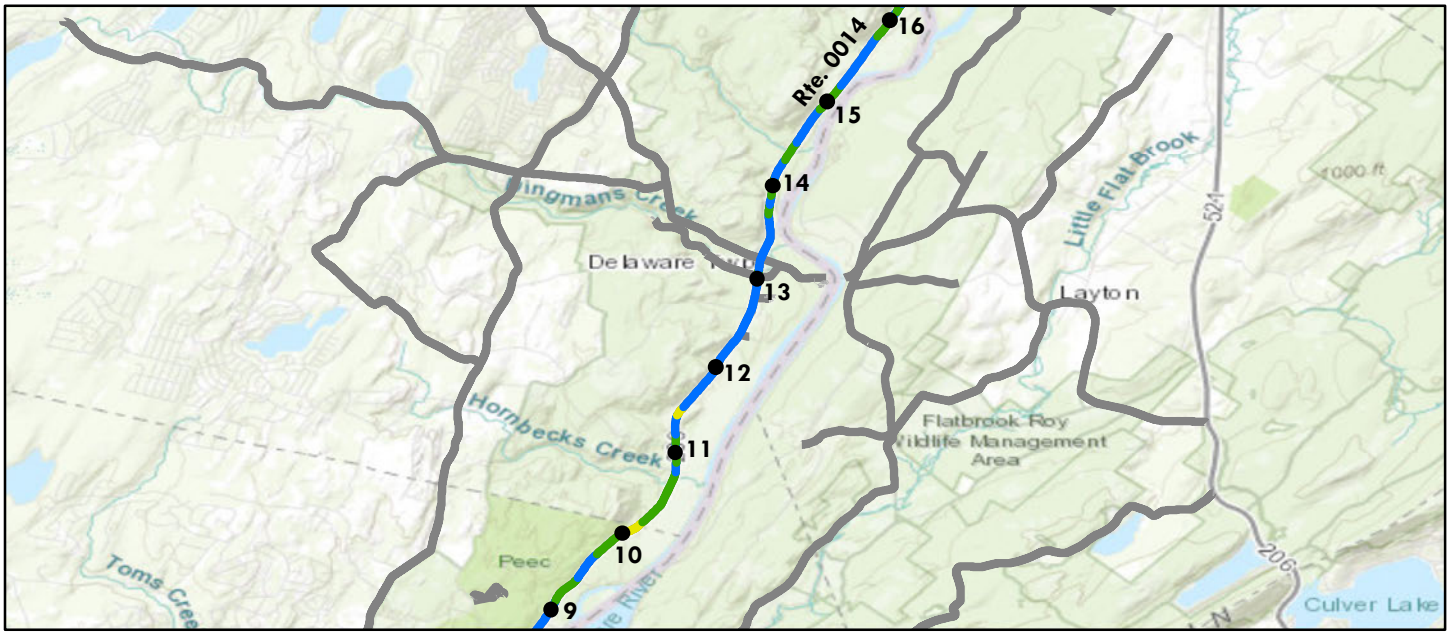
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	5	6	7	8	9
Paved Length (Miles): 21.05	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	96	95	97	96	96
Surface Condition Rating (SCR)	90	93	94	97	94	95
Roughness Condition Index (RCI)	100	100	96	97	100	98
Distress Index Values						
Structural Crack Index	90	93	94	97	99	95
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	90	93	94	97	99	95
Transverse Cracking Index	94	96	97	98	97	96
Patching Index	100	100	100	100	100	100
Rutting Index	98	99	98	97	94	97
International Roughness Index (IRI)	113	111	124	123	104	119
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	30.4	27.8	26.9	26.3	25.4	28
Lane Width (ft)	11	11.1	11.2	11.1	10.8	11

Delaware Water Gap National Recreation Area

ROUTE 0014: U.S. HIGHWAY 209

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

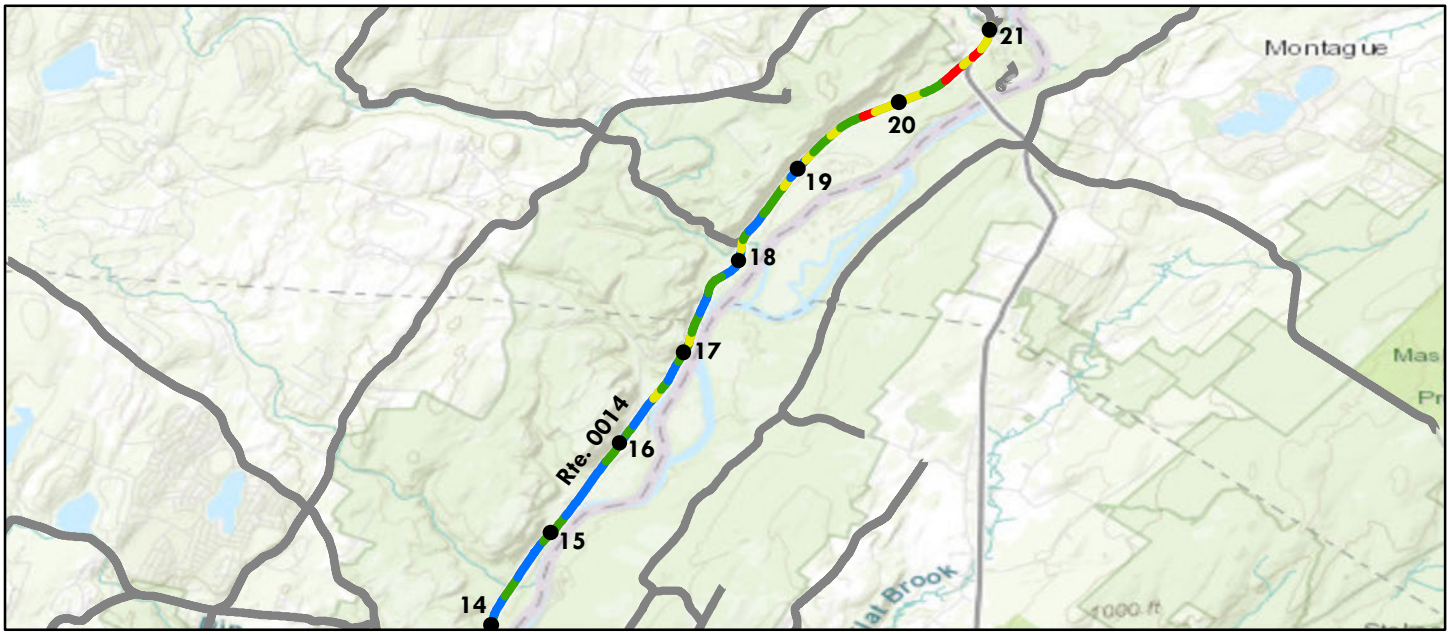
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	10	11	12	13	14
Paved Length (Miles): 21.05	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	92	95	99	99	95
Surface Condition Rating (SCR)	90	86	92	99	98	94
Roughness Condition Index (RCI)	100	100	100	100	100	96
Distress Index Values						
Structural Crack Index	90	87	92	100	98	94
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	90	87	92	100	98	94
Transverse Cracking Index	94	86	97	99	99	97
Patching Index	100	100	100	100	100	100
Rutting Index	98	98	96	99	100	99
International Roughness Index (IRI)	113	103	94	78	100	124
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	30.4	29.5	28.9	28.1	30.8	31.2
Lane Width (ft)	11	10.9	11.1	11.1	11.1	11.1

Delaware Water Gap National Recreation Area

ROUTE 0014: U.S. HIGHWAY 209

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

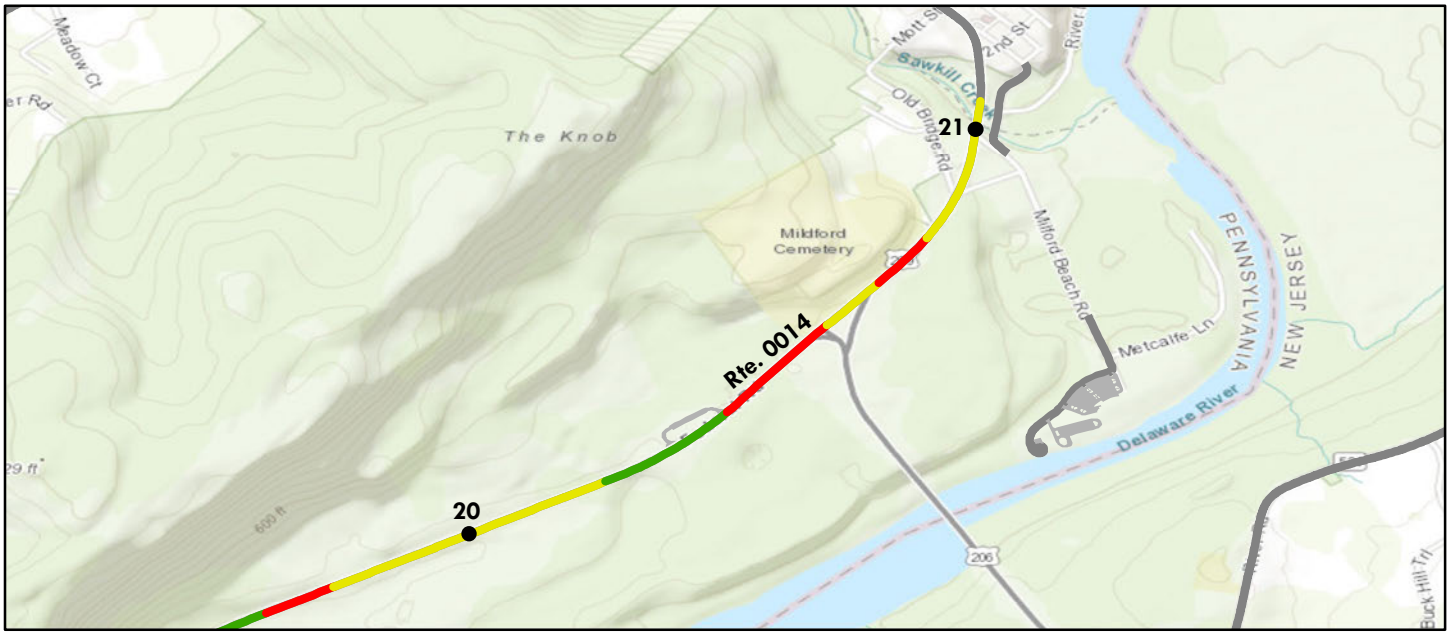
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	15	16	17	18	19
Paved Length (Miles): 21.05	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	95	94	93	92	82
Surface Condition Rating (SCR)	90	93	90	88	87	70
Roughness Condition Index (RCI)	100	98	100	100	100	100
Distress Index Values						
Structural Crack Index	90	93	90	88	87	70
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	90	93	90	88	87	70
Transverse Cracking Index	94	98	98	96	92	80
Patching Index	100	100	100	100	100	100
Rutting Index	98	97	99	99	99	100
International Roughness Index (IRI)	113	120	110	104	84	84
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	30.4	30.6	33.6	32.9	31	31
Lane Width (ft)	11	11	11.2	10.9	11.3	11.2

Delaware Water Gap National Recreation Area

ROUTE 0014: U.S. HIGHWAY 209

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

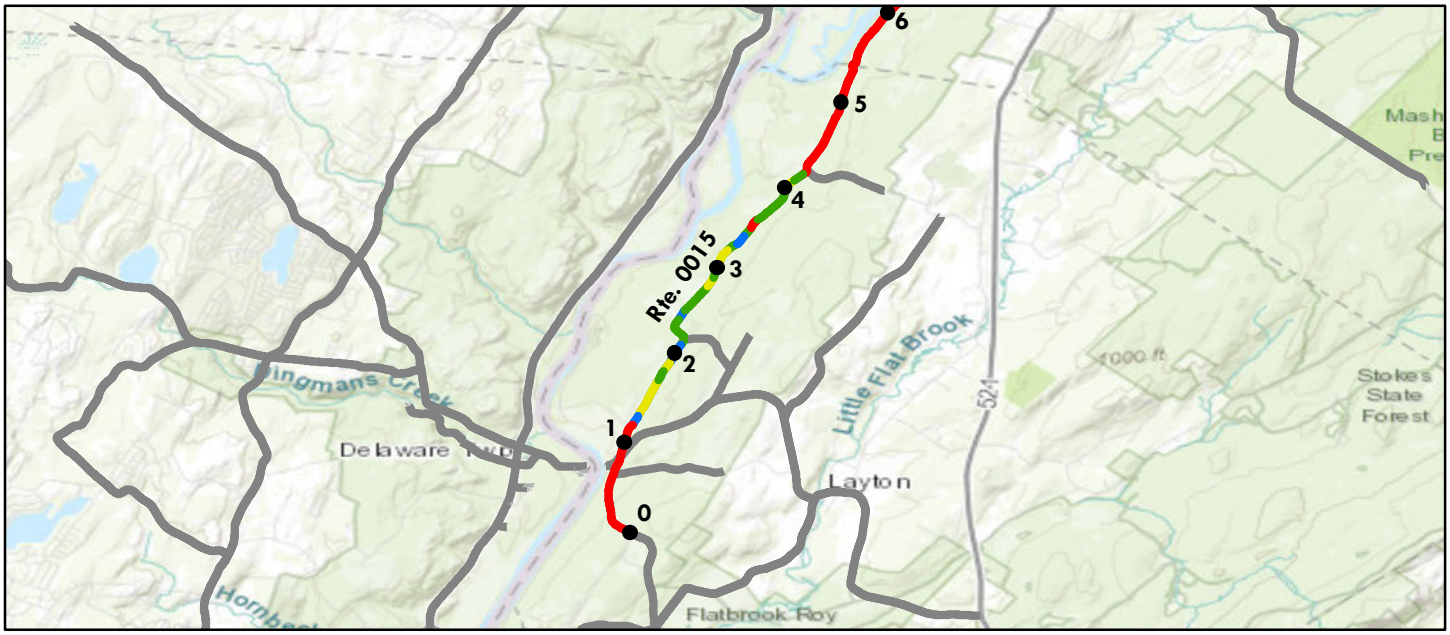
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	20	21			
Paved Length (Miles): 21.05	**Section Length (MI)**	1	0.05			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	74	69			
Surface Condition Rating (SCR)	90	57	93			
Roughness Condition Index (RCI)	100	100	32			
Distress Index Values						
Structural Crack Index	90	57	100			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	90	57	100			
Transverse Cracking Index	94	81	93			
Patching Index	100	100	100			
Rutting Index	98	97	97			
International Roughness Index (IRI)	113	111	396			
Lane & Width Information						
Number of Lanes	2	3	3			
Paved Width (ft)	30.4	41.6	28.4			
Lane Width (ft)	11	11.3	10.7			

Delaware Water Gap National Recreation Area

ROUTE 0015: OLD MINE ROAD (NORTH SECTION)

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

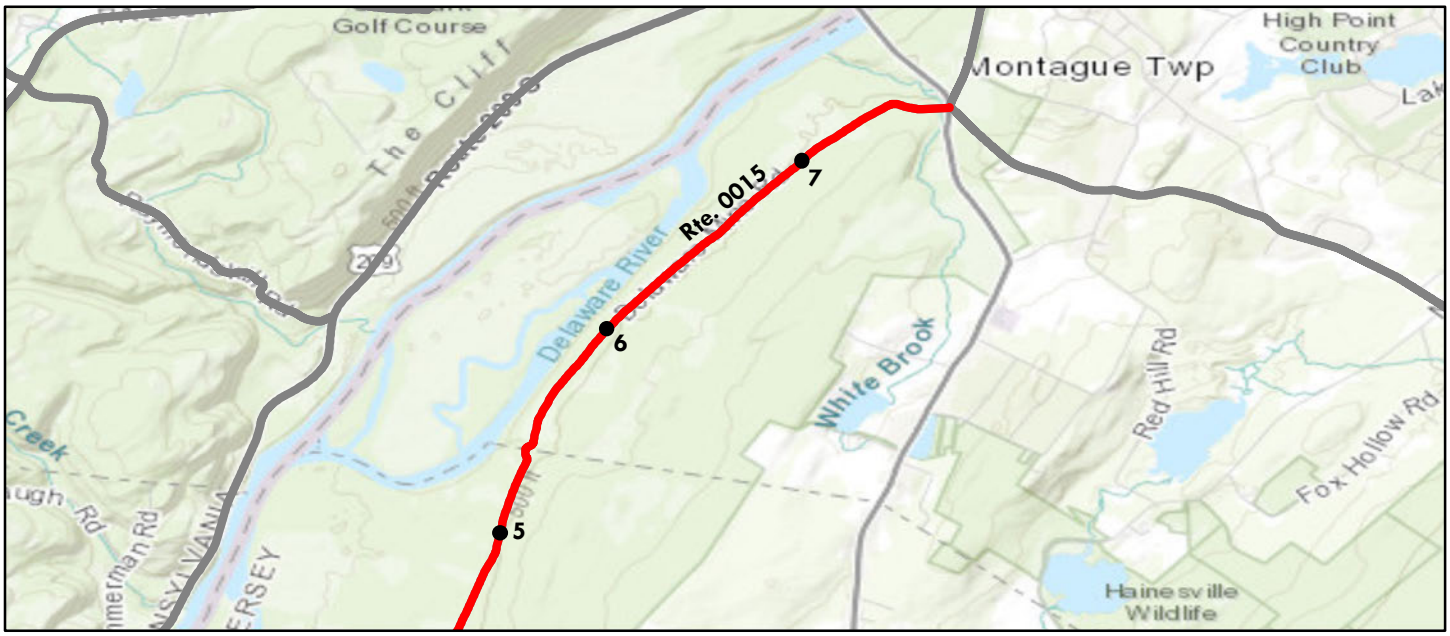
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 7.58	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	24	24	39	92	85	26
Surface Condition Rating (SCR)	0	0	12	93	85	0
Roughness Condition Index (RCI)	61	61	79	91	84	64
Distress Index Values						
Structural Crack Index	0	0	12	93	85	0
Alligator Crack Index	20	0	72	100	100	16
Longitudinal Crack Index	0	0	40	93	85	0
Transverse Cracking Index	59	51	87	100	99	46
Patching Index	98	99	98	100	100	99
Rutting Index	94	95	97	98	97	90
International Roughness Index (IRI)	234	235	171	139	156	224
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	19.6	19.4	19.4	19.2	19.6	19.6
Lane Width (ft)	8.6	8.3	8.3	8.2	8.8	9.2

Delaware Water Gap National Recreation Area

ROUTE 0015: OLD MINE ROAD (NORTH SECTION)

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

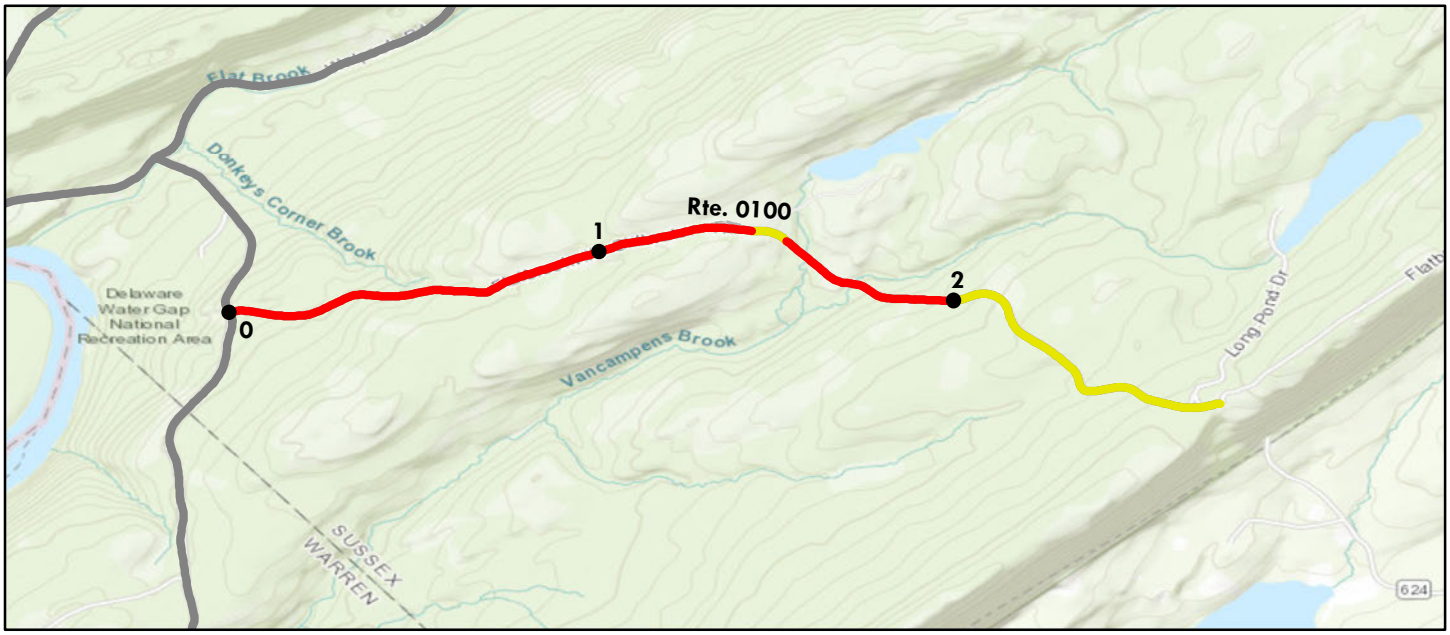
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	5	6	7		
Paved Length (Miles): 7.58	**Section Length (MI)**	1	1	0.58		
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	24	18	16	14		
Surface Condition Rating (SCR)	0	0	0	0		
Roughness Condition Index (RCI)	61	45	40	36		
Distress Index Values						
Structural Crack Index	0	0	0	0		
Alligator Crack Index	20	19	0	0		
Longitudinal Crack Index	0	0	0	0		
Transverse Cracking Index	59	24	22	26		
Patching Index	98	96	93	95		
Rutting Index	94	94	92	92		
International Roughness Index (IRI)	234	307	341	364		
Lane & Width Information						
Number of Lanes	2	2	2	2		
Paved Width (ft)	19.6	19.4	20.7	20.3		
Lane Width (ft)	8.6	8.5	8.6	8.5		

Delaware Water Gap National Recreation Area

ROUTE 0100: BLUE MOUNTAIN LAKE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

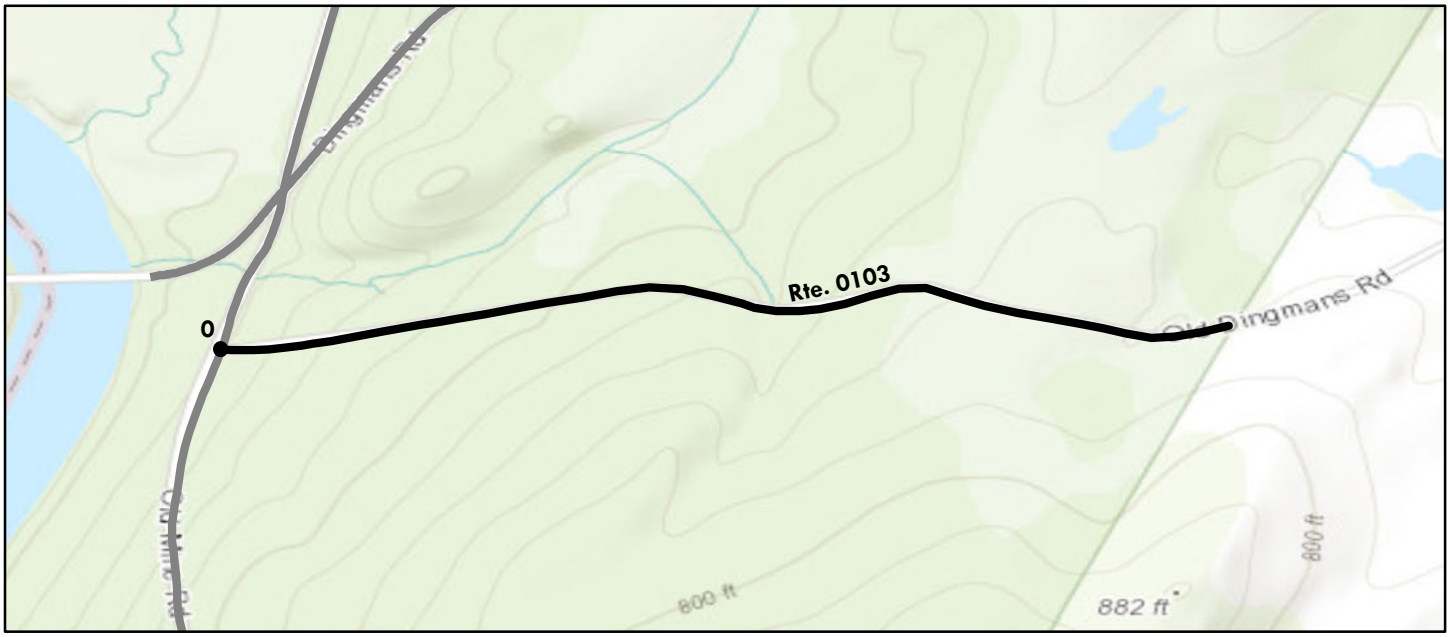
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0	1	2		
Paved Length (Miles): 2.88	**Section Length (MI)**	1	1	0.88		
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	22	22	18	73		
Surface Condition Rating (SCR)	0	0	0	78		
Roughness Condition Index (RCI)	54	54	45	65		
Distress Index Values						
Structural Crack Index	0	0	0	78		
Alligator Crack Index	59	70	14	98		
Longitudinal Crack Index	41	0	52	80		
Transverse Cracking Index	77	70	73	89		
Patching Index	99	98	98	100		
Rutting Index	94	95	93	97		
International Roughness Index (IRI)	267	264	311	219		
Lane & Width Information						
Number of Lanes	2	2	2	2		
Paved Width (ft)	21.1	22.2	20.7	20.4		
Lane Width (ft)	10.2	10.2	10.3	9.8		

Delaware Water Gap National Recreation Area

ROUTE 0103: OLD DINGMANS BRIDGE ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.87	**Section Length (MI)**	0.87				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	N/A	N/A				
Surface Condition Rating (SCR)	N/A	N/A				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	N/A	N/A				
Longitudinal Crack Index	N/A	N/A				
Transverse Cracking Index	N/A	N/A				
Patching Index	N/A	N/A				
Rutting Index	N/A	N/A				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	15	15				
Lane Width (ft)	7.5	7.5				

Route not rated - blocked by fallen tree.

Delaware Water Gap National Recreation Area

ROUTE 0103: OLD DINGMANS BRIDGE ROAD

Condition Photos

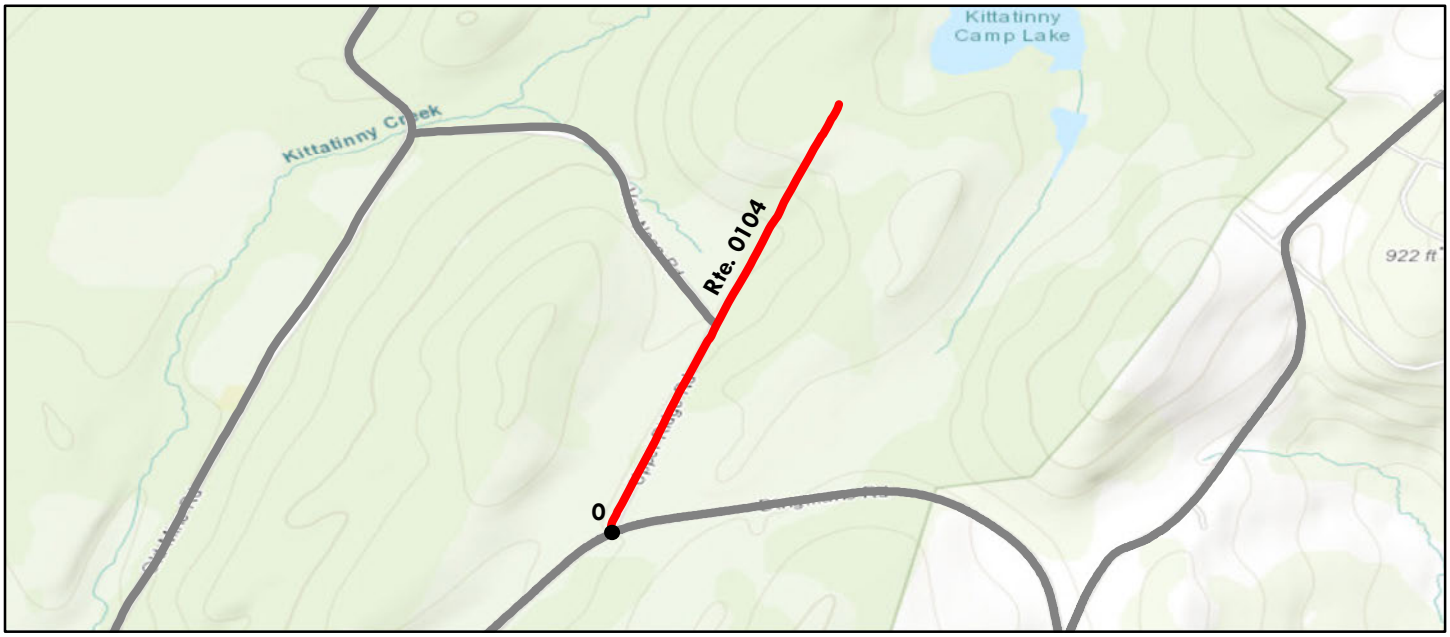
Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0103_0892.jpg

Delaware Water Gap National Recreation Area

ROUTE 0104: UPPER RIDGE ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.72	**Section Length (MI)**	0.72					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	30	30					
Surface Condition Rating (SCR)	30	30					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	30	30					
Longitudinal Crack Index	30	30					
Transverse Cracking Index	90	90					
Patching Index	97	97					
Rutting Index	53	53					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	2	2					
Paved Width (ft)	18	18					
Lane Width (ft)	9	9					

Delaware Water Gap National Recreation Area

ROUTE 0104: UPPER RIDGE ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0104_0893.jpg

DEWA_0104_0894.jpg

DEWA_0104_0895.jpg

DEWA_0104_0896.jpg

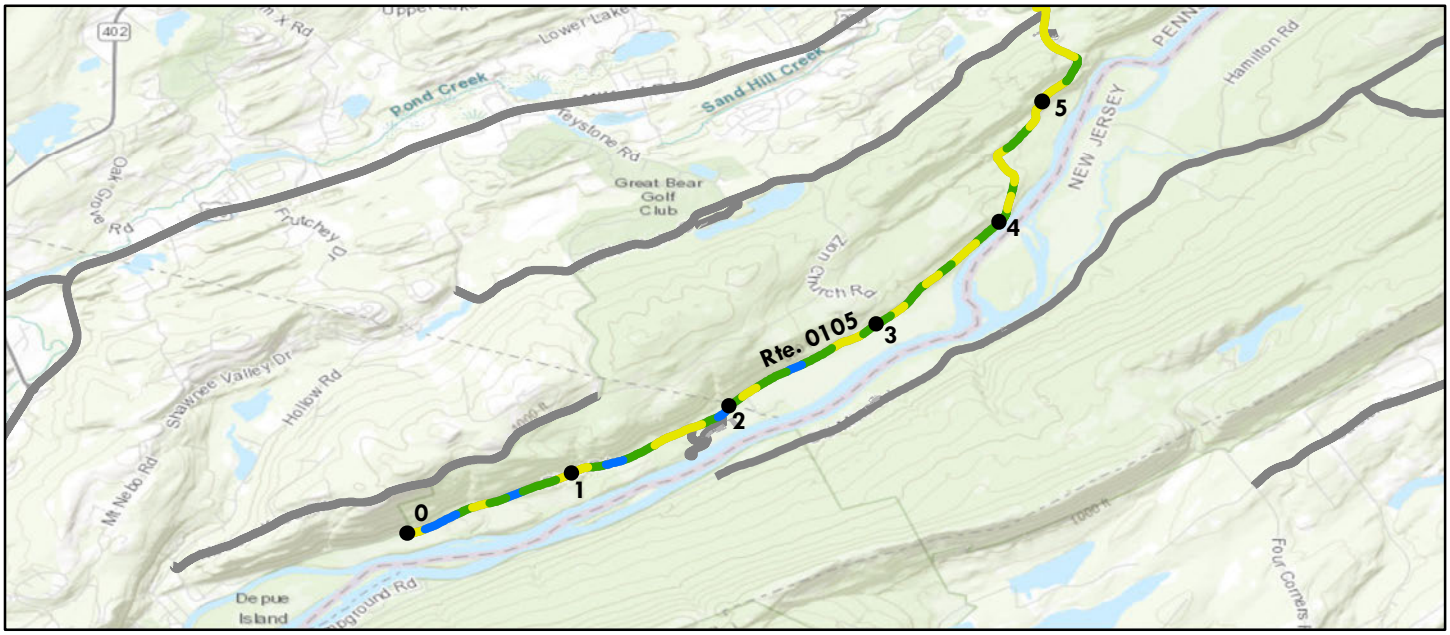
DEWA_0104_0897.jpg

DEWA_0104_0898.jpg

Delaware Water Gap National Recreation Area

ROUTE 0105: RIVER ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

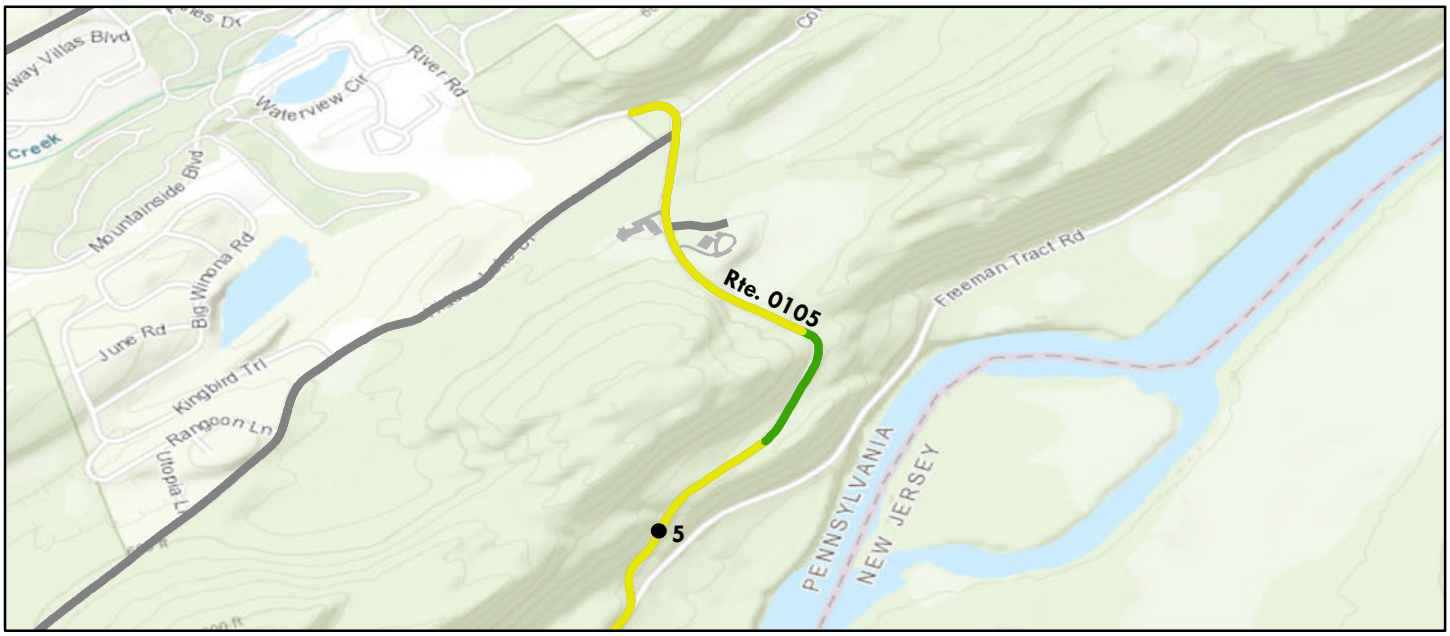
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 5.89	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	86	90	88	88	86	85
Surface Condition Rating (SCR)	97	98	96	96	97	99
Roughness Condition Index (RCI)	69	77	77	76	69	64
Distress Index Values						
Structural Crack Index	97	98	96	96	97	99
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	97	98	96	96	97	99
Transverse Cracking Index	100	100	100	100	100	100
Patching Index	99	98	99	99	99	99
Rutting Index	98	99	98	98	98	99
International Roughness Index (IRI)	204	178	178	182	206	223
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	19.4	19.3	19	18.5	19.1	19.8
Lane Width (ft)	8.6	8.4	8.5	8.1	8.5	8.6

Delaware Water Gap National Recreation Area

ROUTE 0105: RIVER ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

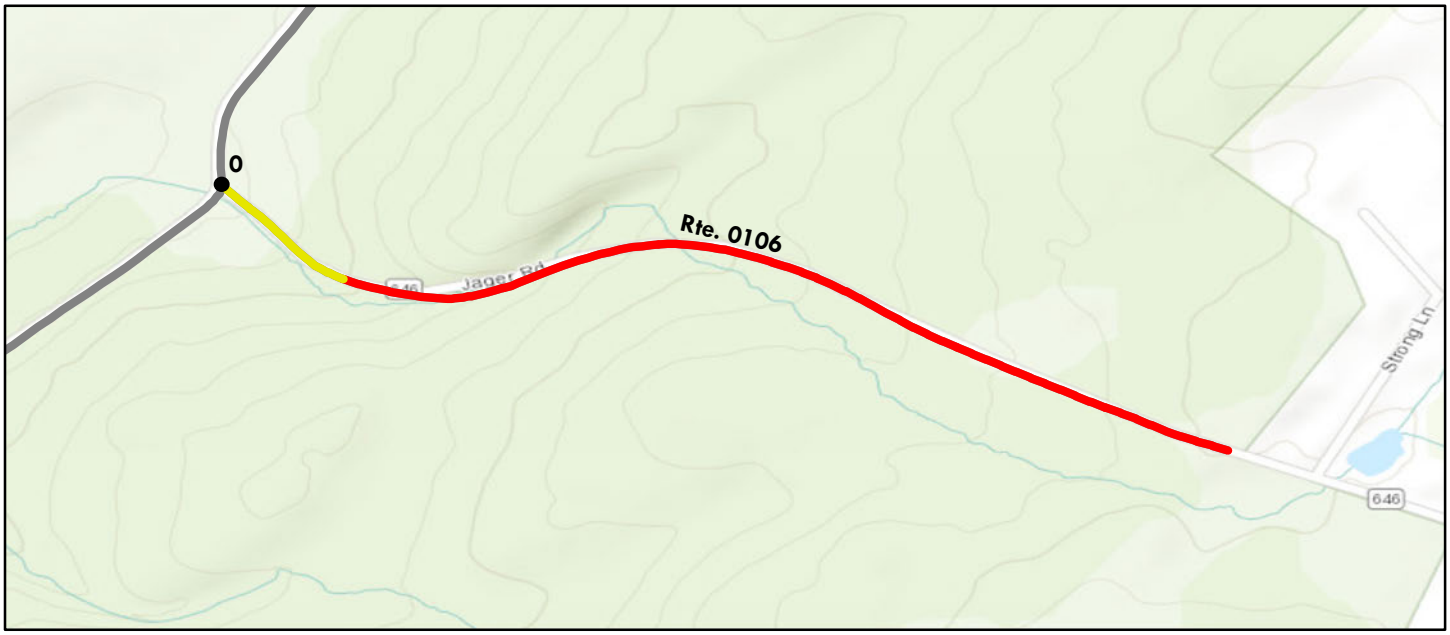
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	5				
Paved Length (Miles): 5.89	**Section Length (MI)**	0.89				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	86	80				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	69	55				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	100	99				
Patching Index	99	98				
Rutting Index	98	97				
International Roughness Index (IRI)	204	262				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	19.4	21.1				
Lane Width (ft)	8.6	9.4				

Delaware Water Gap National Recreation Area

ROUTE 0106: JAGER ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

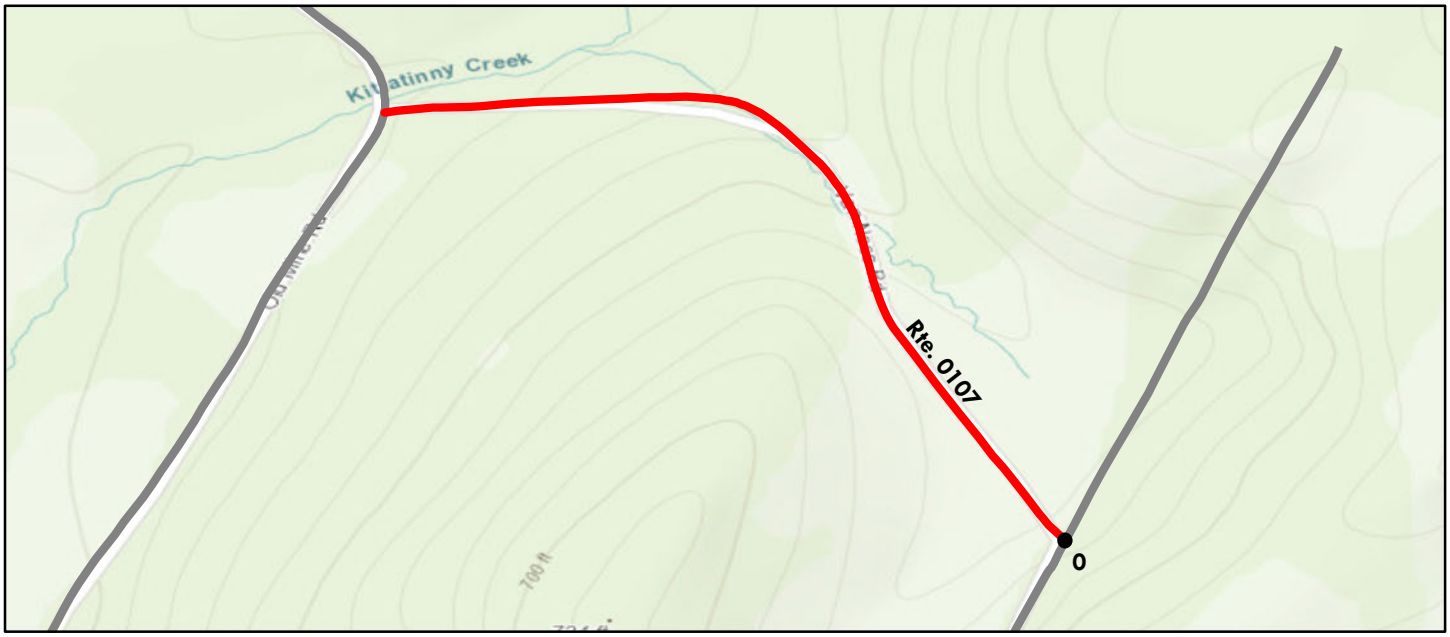
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.68	**Section Length (MI)**	0.68				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	42	42				
Surface Condition Rating (SCR)	21	21				
Roughness Condition Index (RCI)	73	73				
Distress Index Values						
Structural Crack Index	21	21				
Alligator Crack Index	99	99				
Longitudinal Crack Index	22	22				
Transverse Cracking Index	90	90				
Patching Index	98	98				
Rutting Index	97	97				
International Roughness Index (IRI)	192	192				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	22.5	22.5				
Lane Width (ft)	10.4	10.4				

Delaware Water Gap National Recreation Area

ROUTE 0107: FISHER SCHOOL HOUSE ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.54	**Section Length (MI)**	0.54				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	30				
Surface Condition Rating (SCR)	30	30				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	30	30				
Longitudinal Crack Index	30	30				
Transverse Cracking Index	90	90				
Patching Index	73	73				
Rutting Index	53	53				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12	12				
Lane Width (ft)	12	12				

Delaware Water Gap National Recreation Area

ROUTE 0107: FISHER SCHOOL HOUSE ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0107_0901.jpg

DEWA_0107_0902.jpg

DEWA_0107_0903.jpg

DEWA_0107_0904.jpg

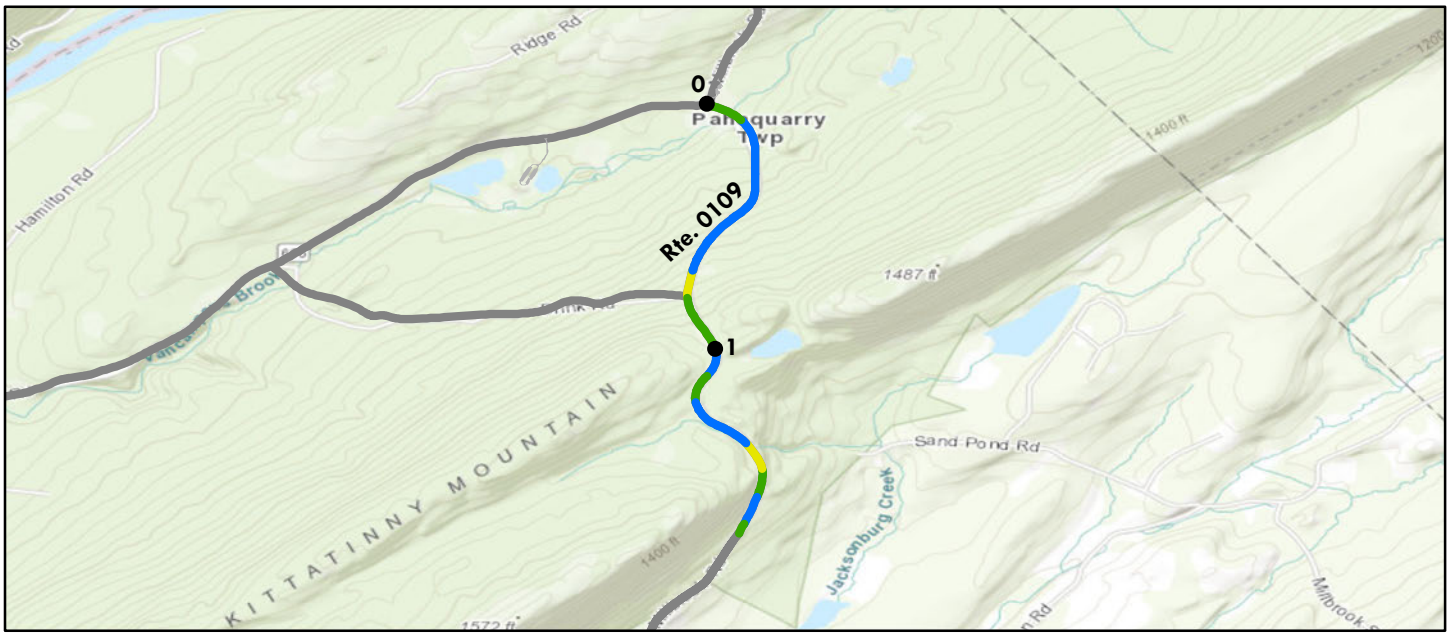
DEWA_0107_0905.jpg

DEWA_0107_0906.JPG

Delaware Water Gap National Recreation Area

ROUTE 0109: NPS 602

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

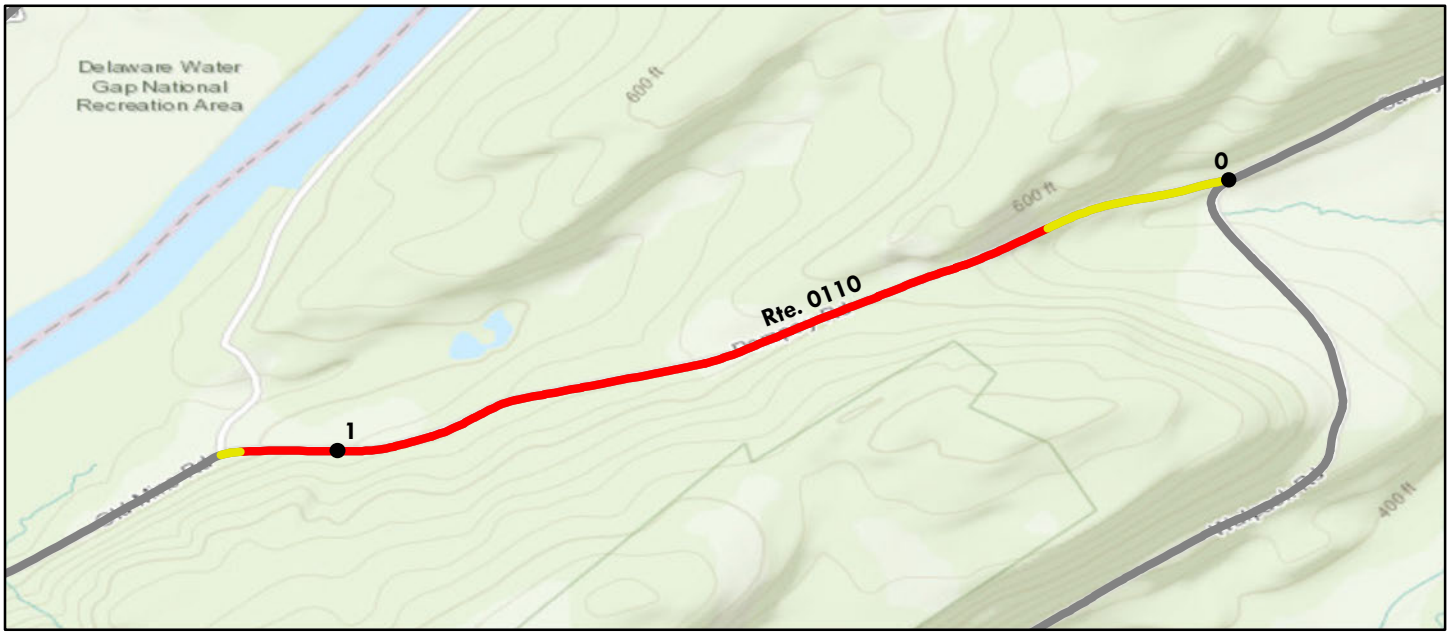
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.73	**Section Length (MI)**	1	0.73			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	95	92			
Surface Condition Rating (SCR)	91	92	90			
Roughness Condition Index (RCI)	99	100	95			
Distress Index Values						
Structural Crack Index	91	92	90			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	91	92	90			
Transverse Cracking Index	97	97	97			
Patching Index	100	100	100			
Rutting Index	99	99	99			
International Roughness Index (IRI)	117	111	127			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	24.6	24.9	24.4			
Lane Width (ft)	10.1	9.9	10.2			

Delaware Water Gap National Recreation Area

ROUTE 0110: POMPEY RIDGE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

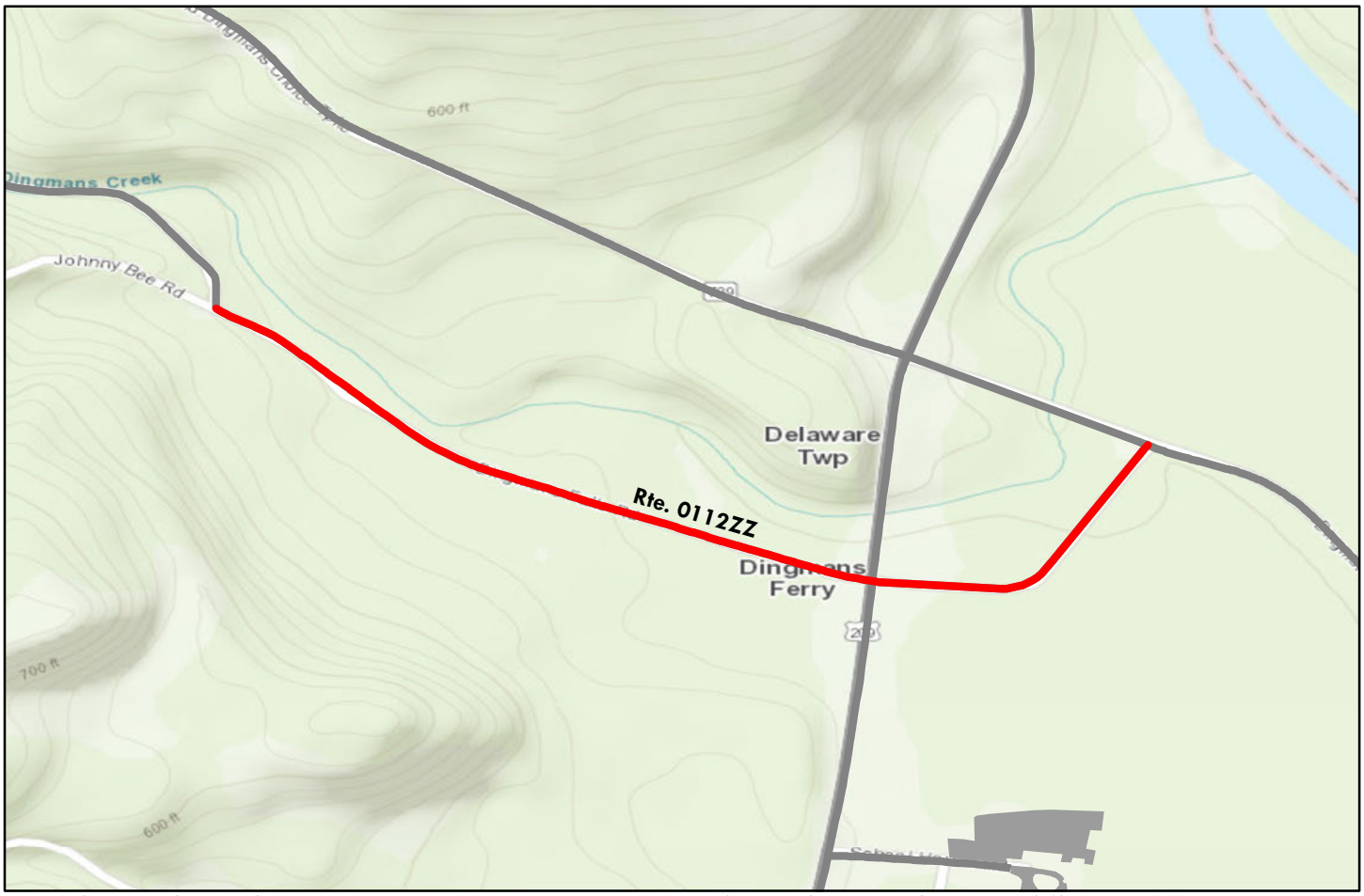
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.12	**Section Length (MI)**	1	0.12			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	28	30	15			
Surface Condition Rating (SCR)	0	0	0			
Roughness Condition Index (RCI)	70	76	37			
Distress Index Values						
Structural Crack Index	0	0	0			
Alligator Crack Index	0	3	0			
Longitudinal Crack Index	30	27	58			
Transverse Cracking Index	89	89	90			
Patching Index	99	100	96			
Rutting Index	95	96	89			
International Roughness Index (IRI)	200	181	359			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	21	21	21.3			
Lane Width (ft)	9.5	9.4	9.9			

Delaware Water Gap National Recreation Area

ROUTE 0112ZZ: JOHNNY BEE ROADS

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

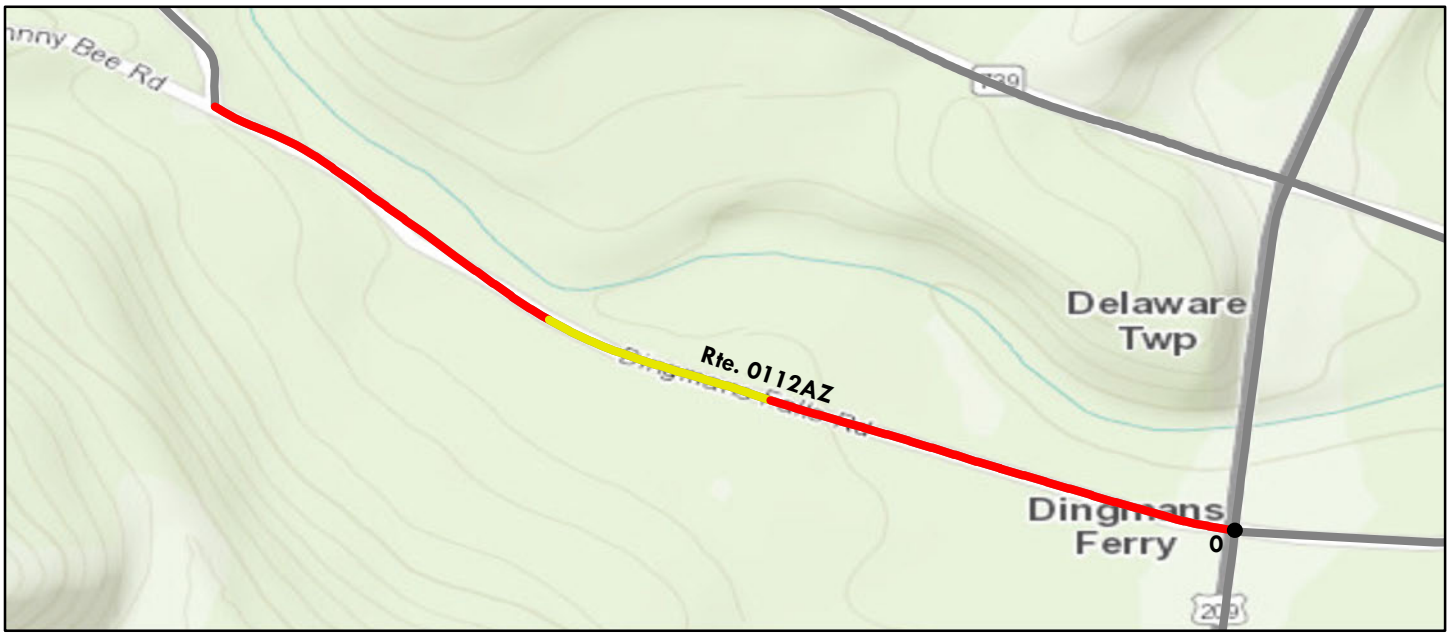
Inspection Date: 7/9/2018	
Paved Length (Miles): 0.72	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	52
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	23
Lane Width (ft)	10.5

Delaware Water Gap National Recreation Area

ROUTE 0112AZ: JOHNNY BEE ROAD

Subcomponent of Route DEWA-0112ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

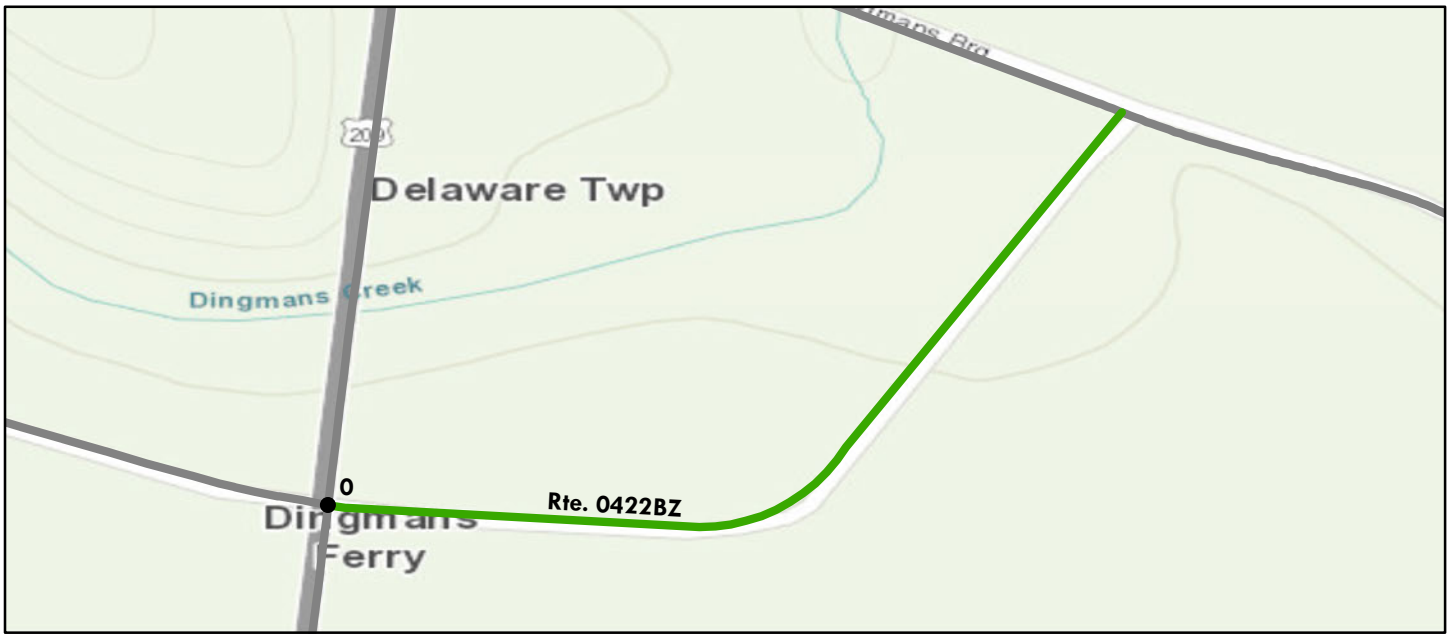
Inspection Date: 6/12/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.48	**Section Length (MI)**	0.48					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	23	23					
Surface Condition Rating (SCR)	23	23					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	23	23					
Alligator Crack Index	96	96					
Longitudinal Crack Index	27	27					
Transverse Cracking Index	90	90					
Patching Index	99	99					
Rutting Index	96	96					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	2	2					
Paved Width (ft)	19.5	19.5					
Lane Width (ft)	8.3	8.3					

Delaware Water Gap National Recreation Area

ROUTE 0422BZ: JOHNNY BEE ROAD SPUR

Subcomponent of Route DEWA-0112ZZ

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.24	**Section Length (MI)**	0.24				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	97	97				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	90	90				
Patching Index	97	97				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	30	30				
Lane Width (ft)	15	15				

Delaware Water Gap National Recreation Area

ROUTE 0422BZ: JOHNNY BEE ROAD SPUR

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0422BZ_0878.JPG

DEWA_0422BZ_0879.JPG

DEWA_0422BZ_0880.JPG

DEWA_0422BZ_0882.JPG

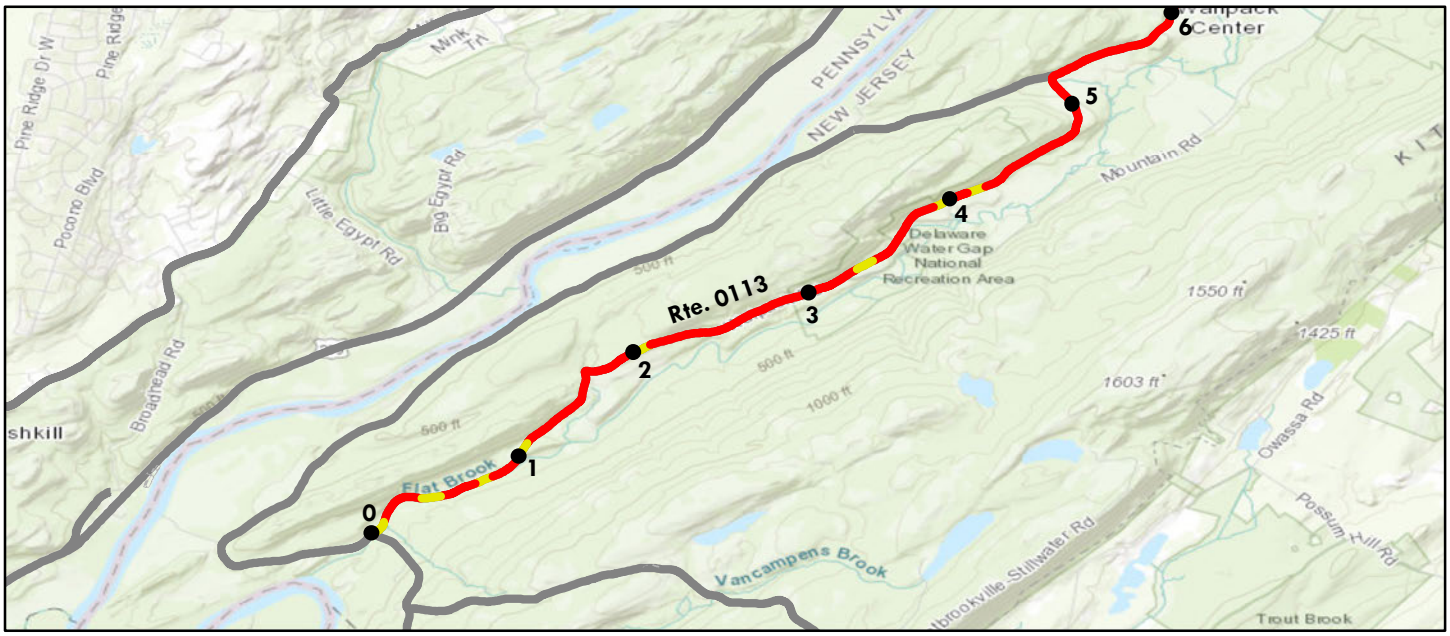
DEWA_0422BZ_0883.JPG

DEWA_0422BZ_0884.JPG

Delaware Water Gap National Recreation Area

ROUTE 0113: NPS ROUTE 615

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

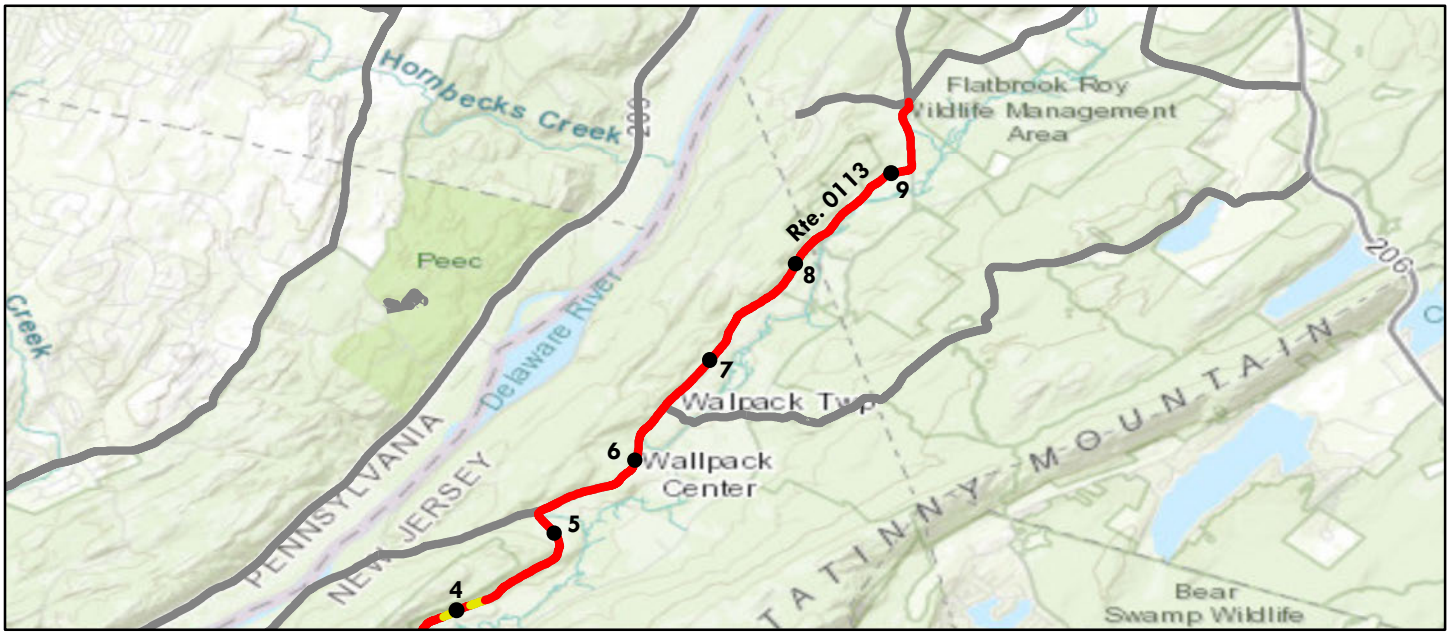
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 9.72	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	49	26	28	39	31
Surface Condition Rating (SCR)	0	31	0	0	13	0
Roughness Condition Index (RCI)	76	75	66	71	78	77
Distress Index Values						
Structural Crack Index	0	31	0	0	13	0
Alligator Crack Index	71	86	65	77	65	69
Longitudinal Crack Index	19	45	17	19	48	31
Transverse Cracking Index	60	69	76	82	63	51
Patching Index	100	100	100	100	100	100
Rutting Index	98	99	96	97	97	99
International Roughness Index (IRI)	183	186	215	199	174	179
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	22.1	21.7	21.1	21.6	21.6	21.1
Lane Width (ft)	9.6	9.6	9.2	9.4	9.4	8.8

Delaware Water Gap National Recreation Area

ROUTE 0113: NPS ROUTE 615

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

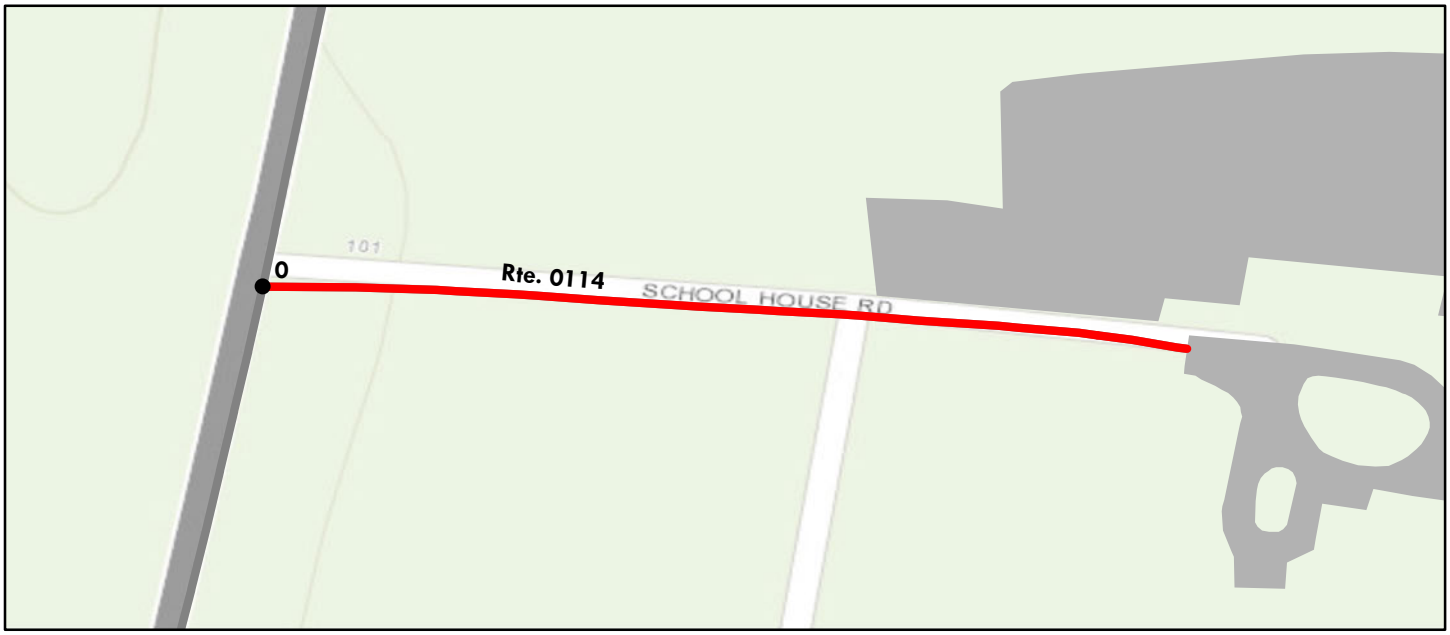
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	5	6	7	8	9
Paved Length (Miles): 9.72	**Section Length (MI)**	1	1	1	1	0.72
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	32	32	32	31	32
Surface Condition Rating (SCR)	0	3	0	0	0	0
Roughness Condition Index (RCI)	76	75	79	81	77	81
Distress Index Values						
Structural Crack Index	0	3	0	0	0	0
Alligator Crack Index	71	80	76	69	56	64
Longitudinal Crack Index	19	23	19	0	0	22
Transverse Cracking Index	60	35	23	74	69	57
Patching Index	100	100	100	100	100	100
Rutting Index	98	98	97	97	98	99
International Roughness Index (IRI)	183	185	173	167	178	166
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	22.1	22	22.4	22.4	24.1	24.2
Lane Width (ft)	9.6	9.5	9.9	9.5	10.5	10.2

Delaware Water Gap National Recreation Area

ROUTE 0114: SCHOOL HOUSE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	0	0				
Longitudinal Crack Index	33	33				
Transverse Cracking Index	56	56				
Patching Index	93	93				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	22	22				
Lane Width (ft)	9.4	9.4				

Delaware Water Gap National Recreation Area

ROUTE 0115: ICE HOUSE ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

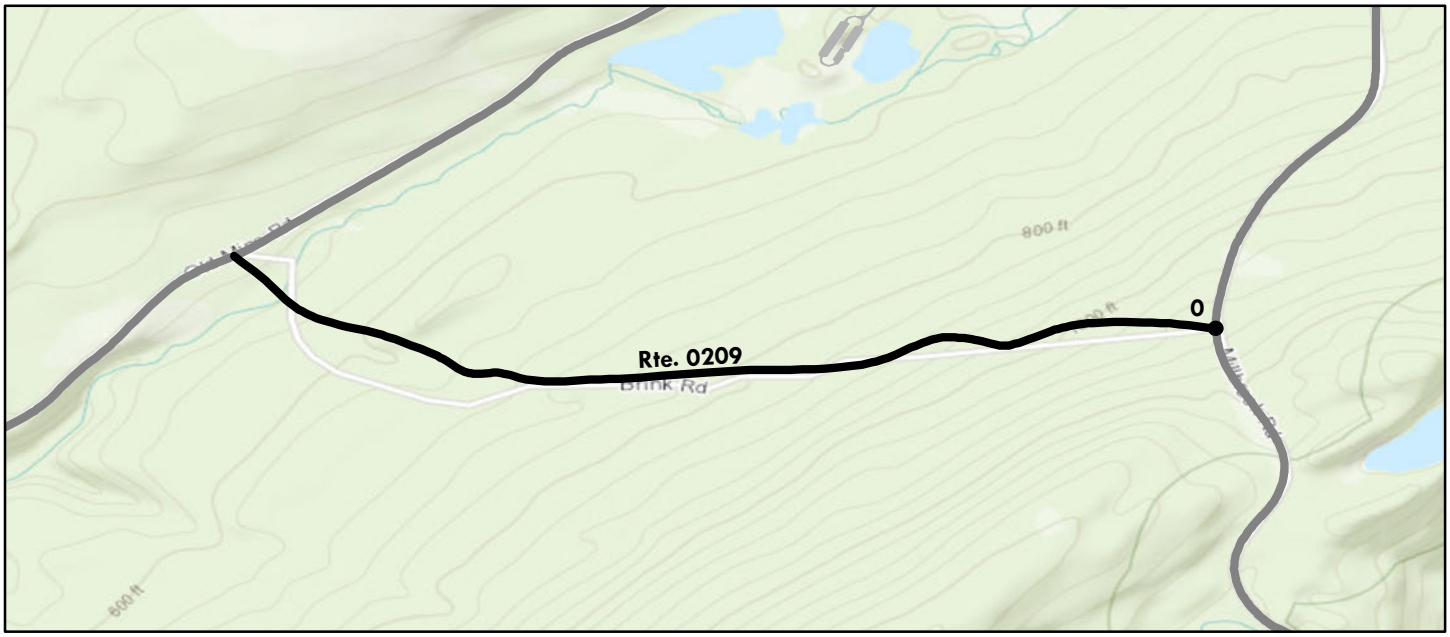
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.18	**Section Length (MI)**	0.18				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	25	25				
Surface Condition Rating (SCR)	25	25				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	25	25				
Alligator Crack Index	100	100				
Longitudinal Crack Index	25	25				
Transverse Cracking Index	78	78				
Patching Index	94	94				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	17.8	17.8				
Lane Width (ft)	8.9	8.9				

Delaware Water Gap National Recreation Area

ROUTE 0209: CUTOFF ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	7/10/2018	**Beginning Section MP**	0.00				
Paved Length (Miles):	1.18	**Section Length (MI)**	1.18				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		N/A	N/A				
Surface Condition Rating (SCR)		N/A	N/A				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		N/A	N/A				
Longitudinal Crack Index		N/A	N/A				
Transverse Cracking Index		N/A	N/A				
Patching Index		N/A	N/A				
Rutting Index		N/A	N/A				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		10	10				
Lane Width (ft)		10	10				

Route not rated - overgrown and inaccessible.

Delaware Water Gap National Recreation Area

ROUTE 0209: CUTOFF ROAD

Condition Photos

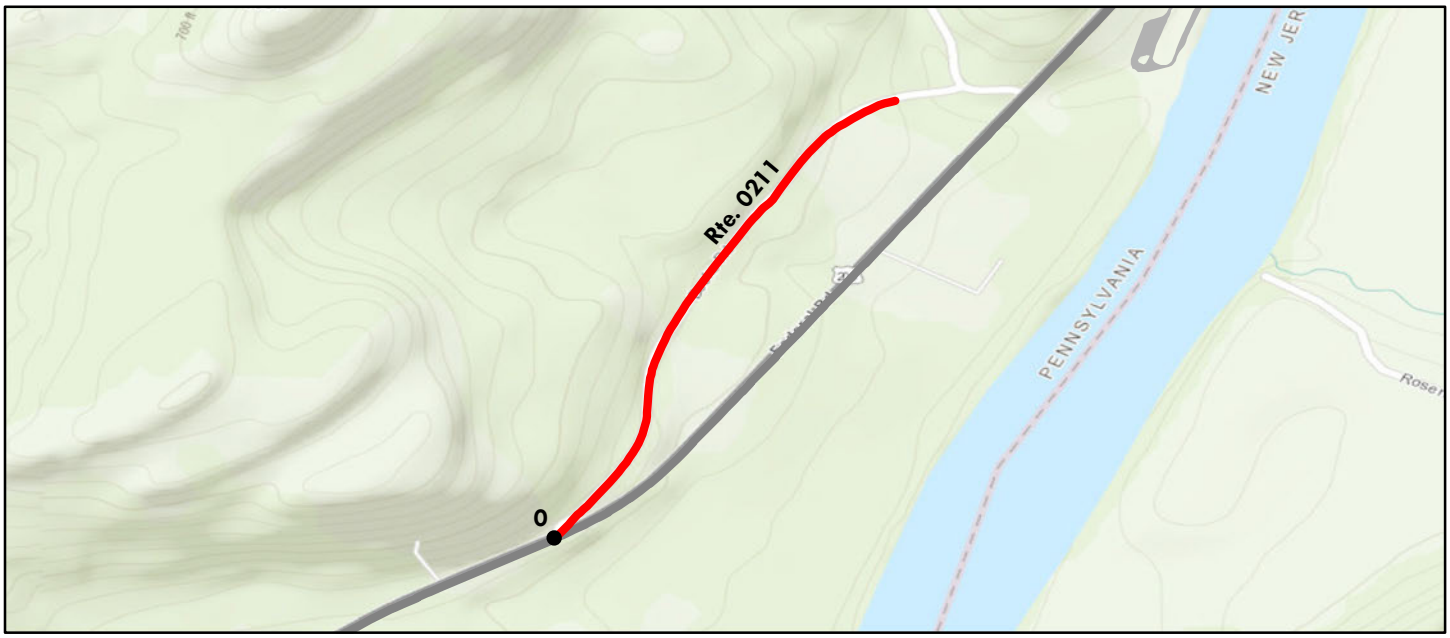
Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0209_0947.JPG

Delaware Water Gap National Recreation Area

ROUTE 0211: BECK ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.49	**Section Length (MI)**	0.49				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	N/A	N/A				
Longitudinal Crack Index	N/A	N/A				
Transverse Cracking Index	N/A	N/A				
Patching Index	N/A	N/A				
Rutting Index	N/A	N/A				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10	10				
Lane Width (ft)	10	10				

Route rated failed - no pavement present.

Delaware Water Gap National Recreation Area

ROUTE 0211: BECK ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0211_0818.JPG

DEWA_0211_0819.JPG

DEWA_0211_0820.JPG

DEWA_0211_0821.JPG

DEWA_0211_0822.JPG

DEWA_0211_0823.JPG

Delaware Water Gap National Recreation Area

ROUTE 0218: DINGMANS FALLS ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

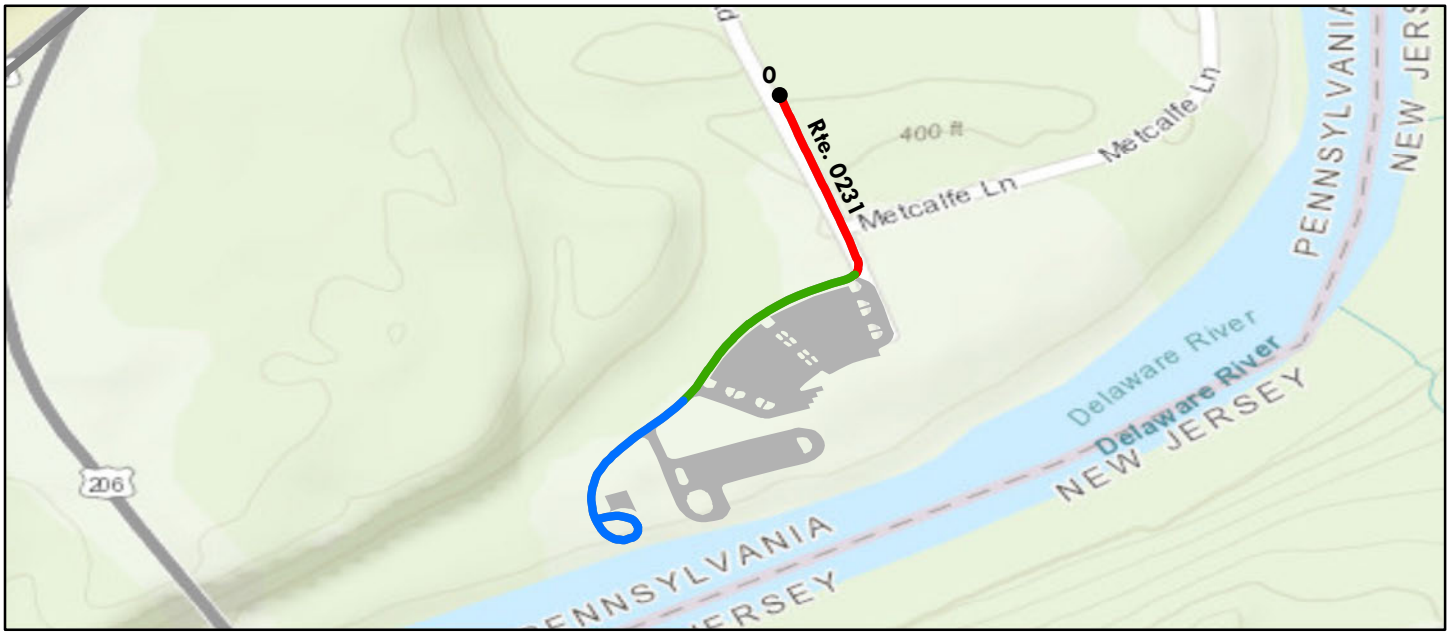
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.63	**Section Length (MI)**	0.63				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	84	83				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	64	63				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	99	99				
Patching Index	99	99				
Rutting Index	99	99				
International Roughness Index (IRI)	225	225				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	19.7	19.7				
Lane Width (ft)	8.5	8.5				

Delaware Water Gap National Recreation Area

ROUTE 0231: MILFORD BEACH ACCESS ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

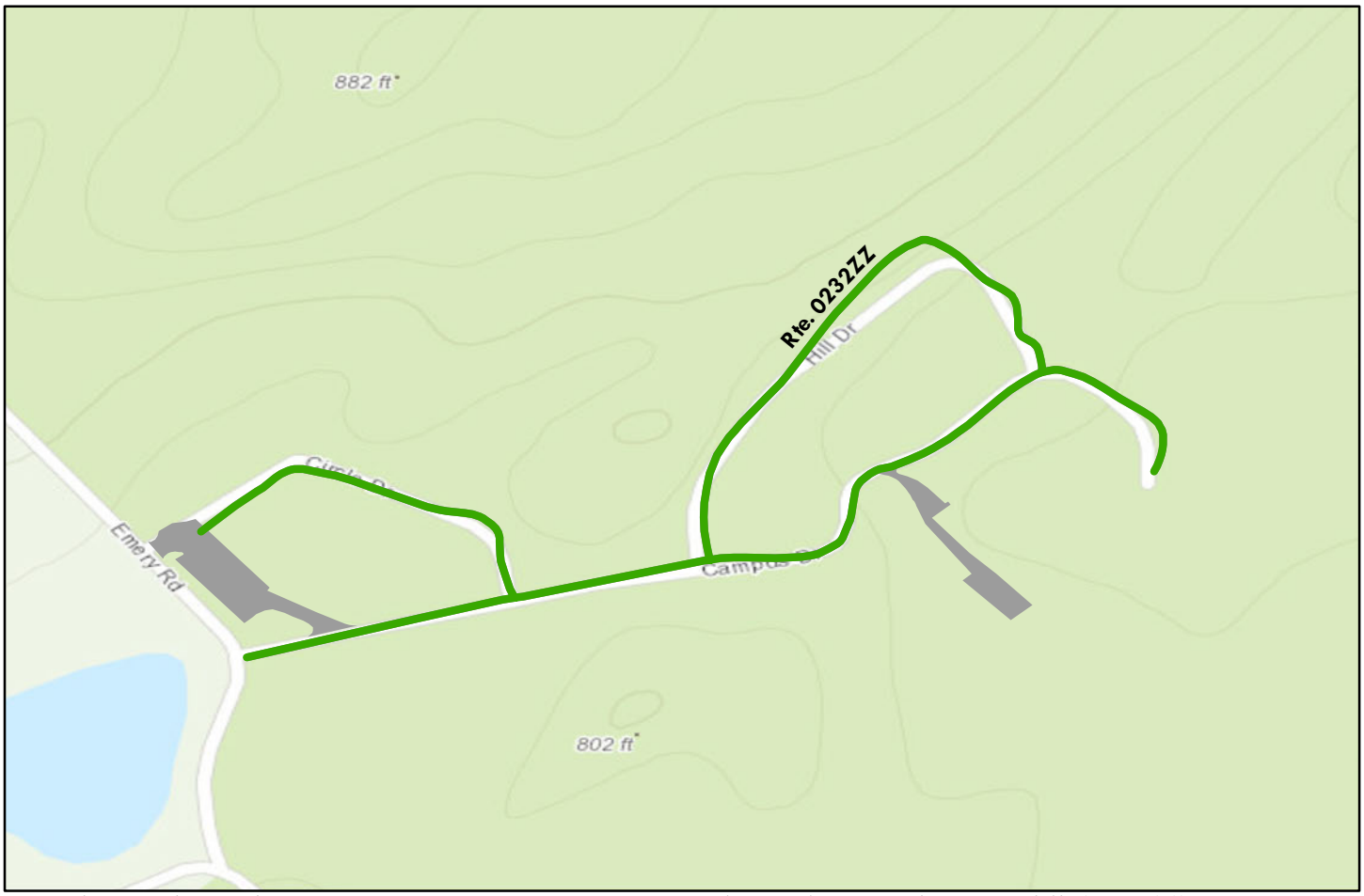
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.32	**Section Length (MI)**	0.32				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	58	58				
Surface Condition Rating (SCR)	58	58				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	58	58				
Alligator Crack Index	74	74				
Longitudinal Crack Index	84	84				
Transverse Cracking Index	88	88				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	23.1	23.1				
Lane Width (ft)	11.5	11.5				

Delaware Water Gap National Recreation Area

ROUTE 0232ZZ: PEEC CABIN ACCESS ROADS

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	7/9/2018
Paved Length (Miles):	0.61
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	90
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	20
Lane Width (ft)	10

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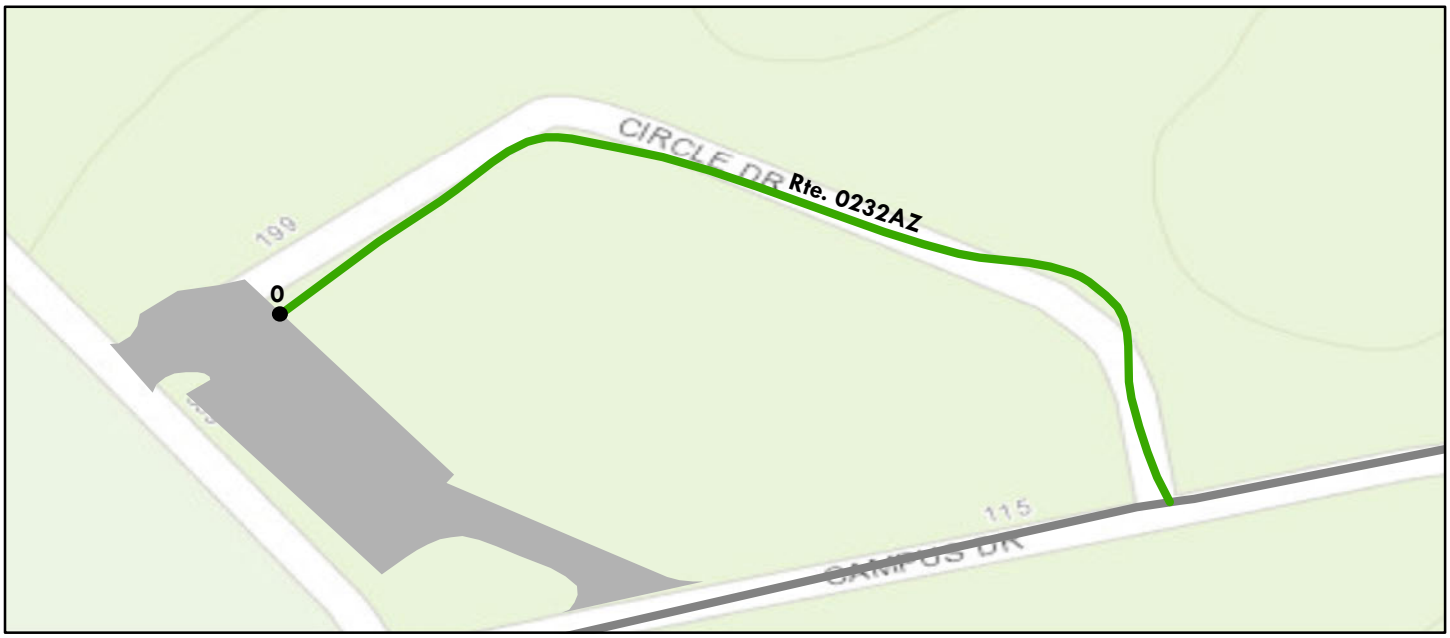
Delaware Water Gap National Recreation Area

ROUTE 0232AZ: PEEC CABIN ACCESS LOOP A

Subcomponent of Route DEWA-0232ZZ

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	90	90				
Longitudinal Crack Index	90	90				
Transverse Cracking Index	90	90				
Patching Index	97	97				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20	20				
Lane Width (ft)	10	10				

Delaware Water Gap National Recreation Area

ROUTE 0232AZ: PEEC CABIN ACCESS LOOP A

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0232AZ_0848.JPG

DEWA_0232AZ_0849.JPG

DEWA_0232AZ_0850.JPG

DEWA_0232AZ_0851.JPG

DEWA_0232AZ_0852.JPG

DEWA_0232AZ_0853.JPG

Delaware Water Gap National Recreation Area

ROUTE 0232BZ: PEEC CABIN ACCESS LOOP B

Subcomponent of Route DEWA-0232ZZ

Manual Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.19	**Section Length (MI)**	0.19				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	90	90				
Longitudinal Crack Index	90	90				
Transverse Cracking Index	90	90				
Patching Index	90	90				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20	20				
Lane Width (ft)	10	10				

Delaware Water Gap National Recreation Area

ROUTE 0232BZ: PEEC CABIN ACCESS LOOP B

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0232BZ_0836.JPG

DEWA_0232BZ_0837.JPG

DEWA_0232BZ_0838.JPG

DEWA_0232BZ_0839.JPG

DEWA_0232BZ_0840.JPG

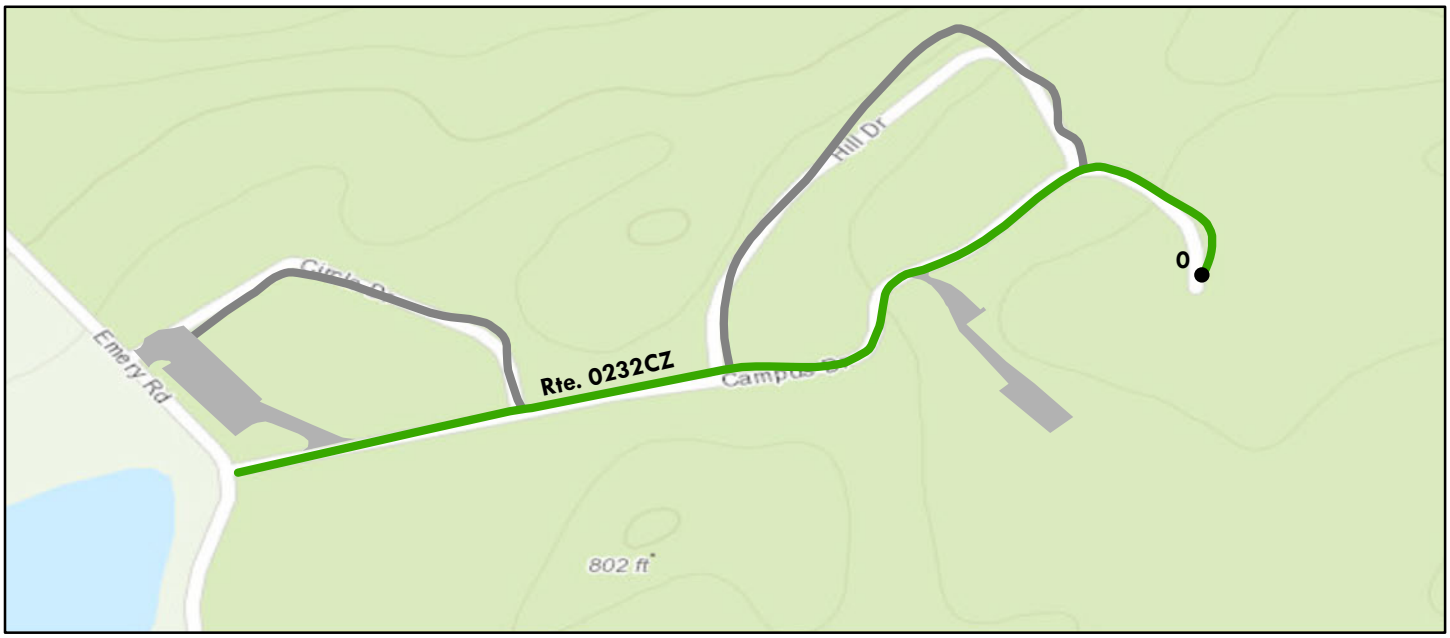
DEWA_0232BZ_0841.JPG

Delaware Water Gap National Recreation Area

ROUTE 0232CZ: PEEC CABIN ACCESS

Subcomponent of Route DEWA-0232ZZ

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.30	**Section Length (MI)**	0.30				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	90	90				
Longitudinal Crack Index	90	90				
Transverse Cracking Index	90	90				
Patching Index	97	97				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20	20				
Lane Width (ft)	10	10				

Delaware Water Gap National Recreation Area

ROUTE 0232CZ: PEEC CABIN ACCESS

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0232CZ_0828.JPG

DEWA_0232CZ_0830.JPG

DEWA_0232CZ_0832.JPG

DEWA_0232CZ_0833.JPG

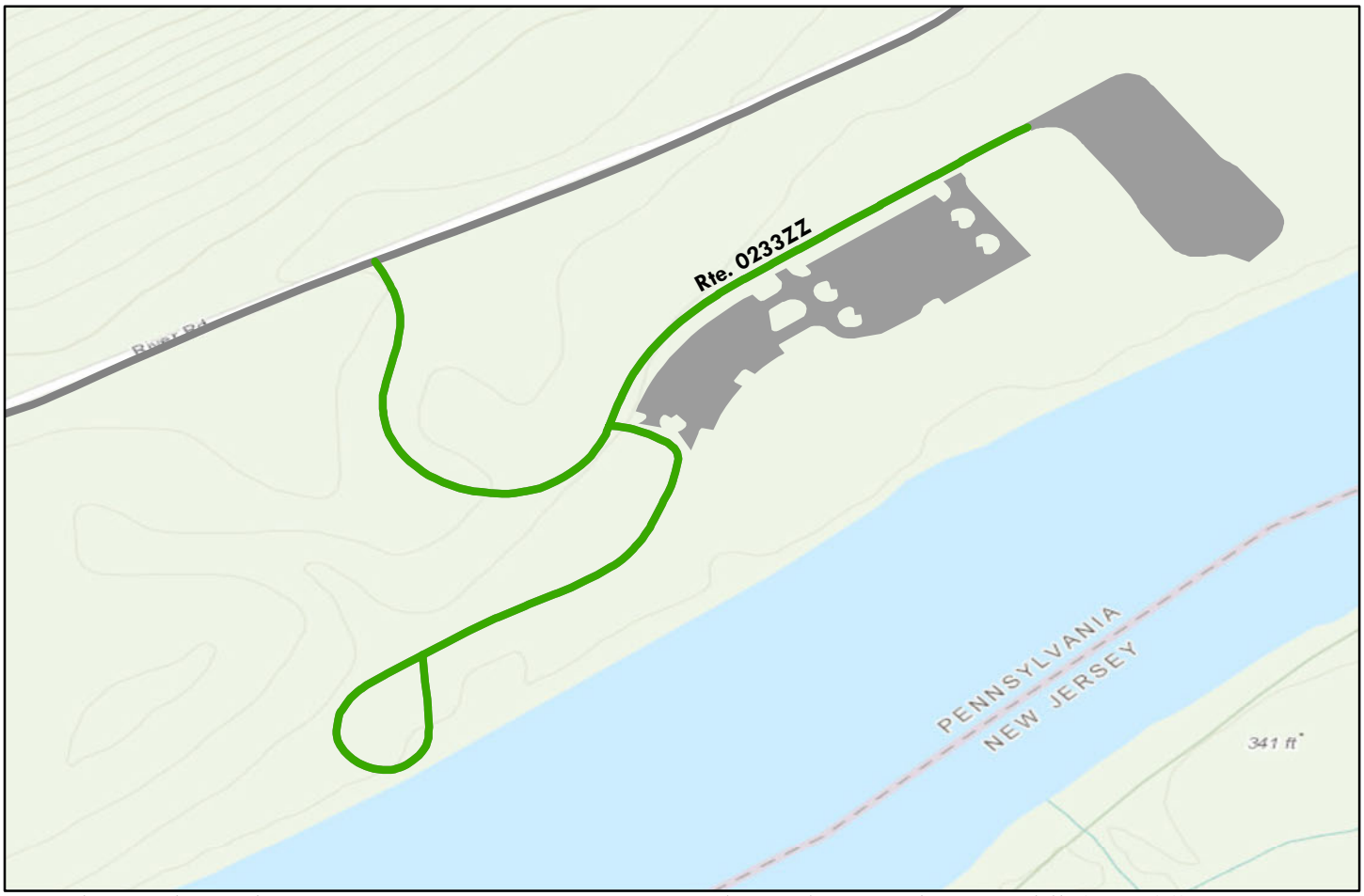
DEWA_0232CZ_0834.JPG

DEWA_0232CZ_0835.JPG

Delaware Water Gap National Recreation Area

ROUTE 0233ZZ: SMITHFIELD BEACH ACCESS ROADS

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

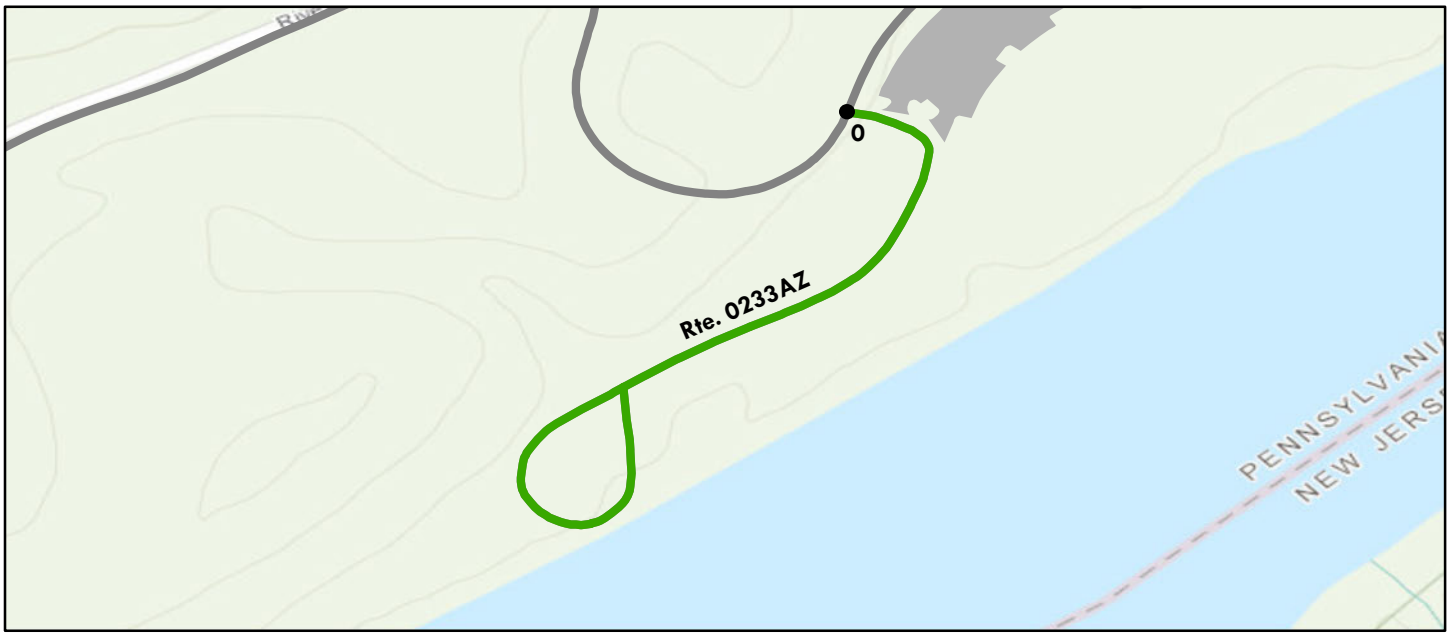
Inspection Date: 6/11/2018	
Paved Length (Miles): 0.59	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	90
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	21.7
Lane Width (ft)	10.3

Delaware Water Gap National Recreation Area

ROUTE 0233AZ: SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD

Subcomponent of Route DEWA-0233ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

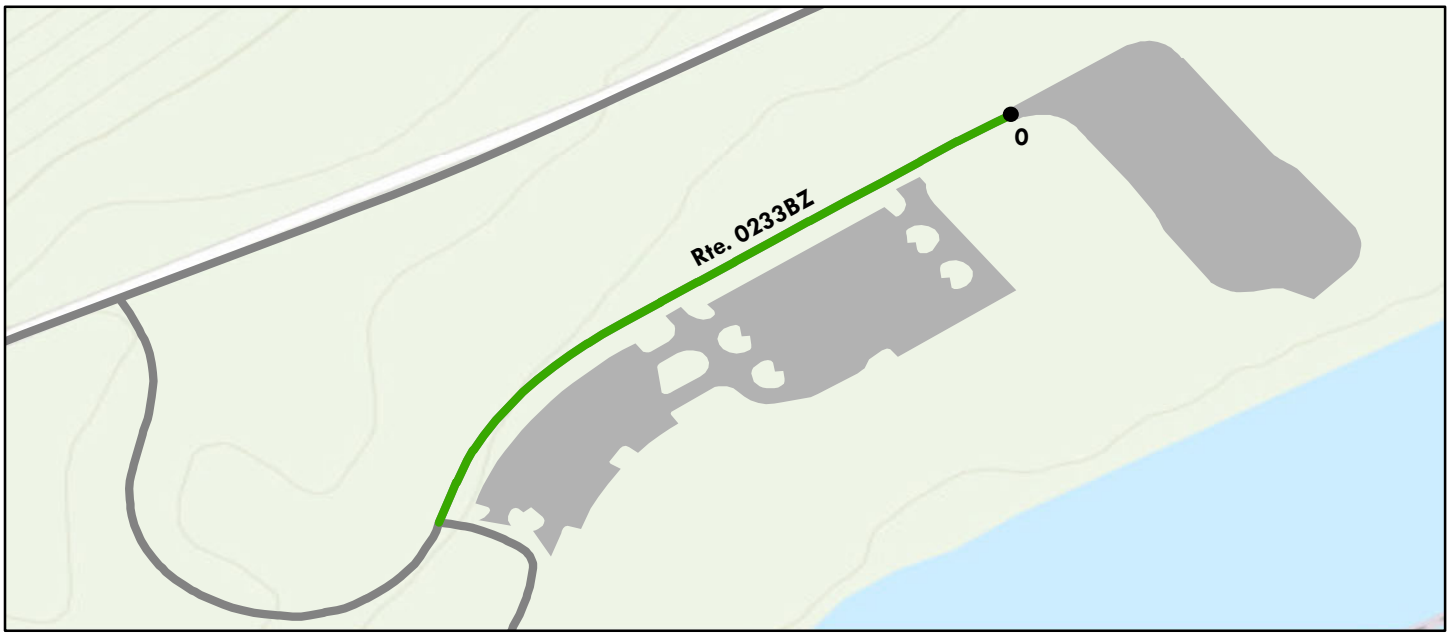
Inspection Date: 6/11/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.25	**Section Length (MI)**	0.25				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	89	89				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	96	96				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	21.8	21.8				
Lane Width (ft)	11	11				

Delaware Water Gap National Recreation Area

ROUTE 0233BZ: SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS

Subcomponent of Route DEWA-0233ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.18	**Section Length (MI)**	0.18				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	95	95				
Patching Index	100	100				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	19.3	19.3				
Lane Width (ft)	8	8				

Delaware Water Gap National Recreation Area

ROUTE 0233CZ: SMITHFIELD BEACH ACCESS ROAD

Subcomponent of Route DEWA-0233ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

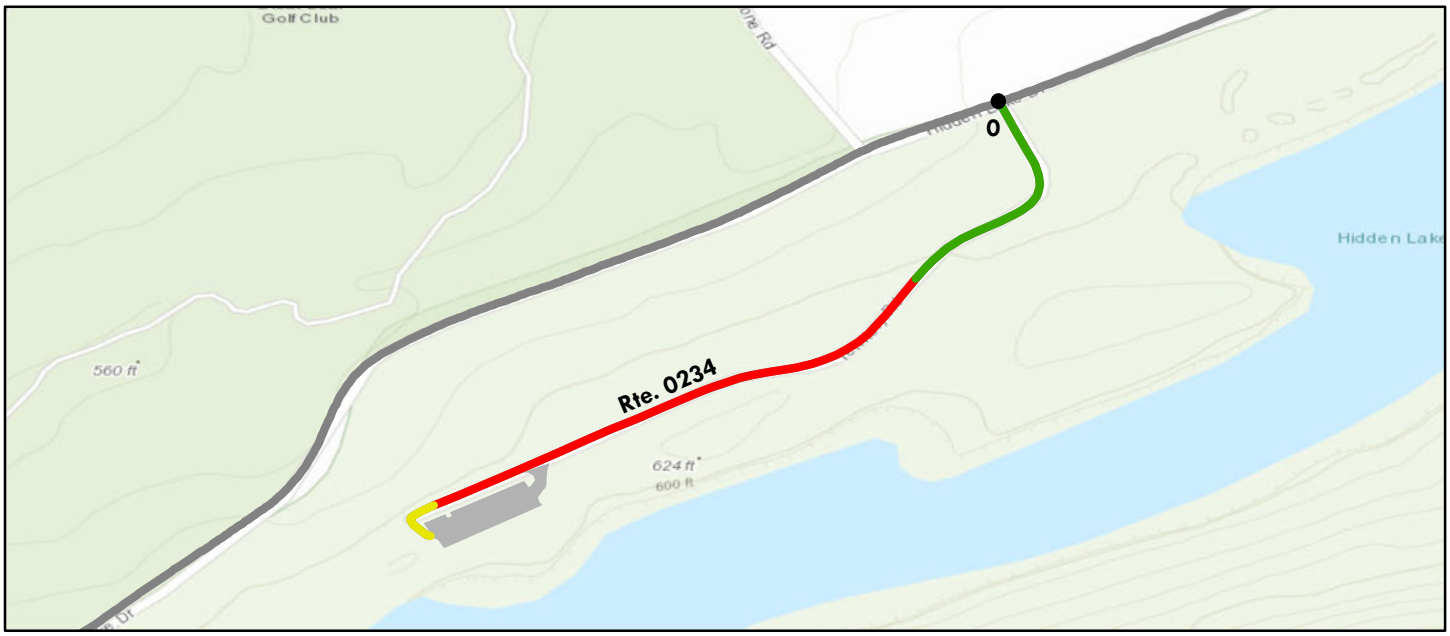
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	94	94				
Alligator Crack Index	100	100				
Longitudinal Crack Index	94	94				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	24.2	24.2				
Lane Width (ft)	11.7	11.7				

Delaware Water Gap National Recreation Area

ROUTE 0234: HIDDEN LAKE ACCESS ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

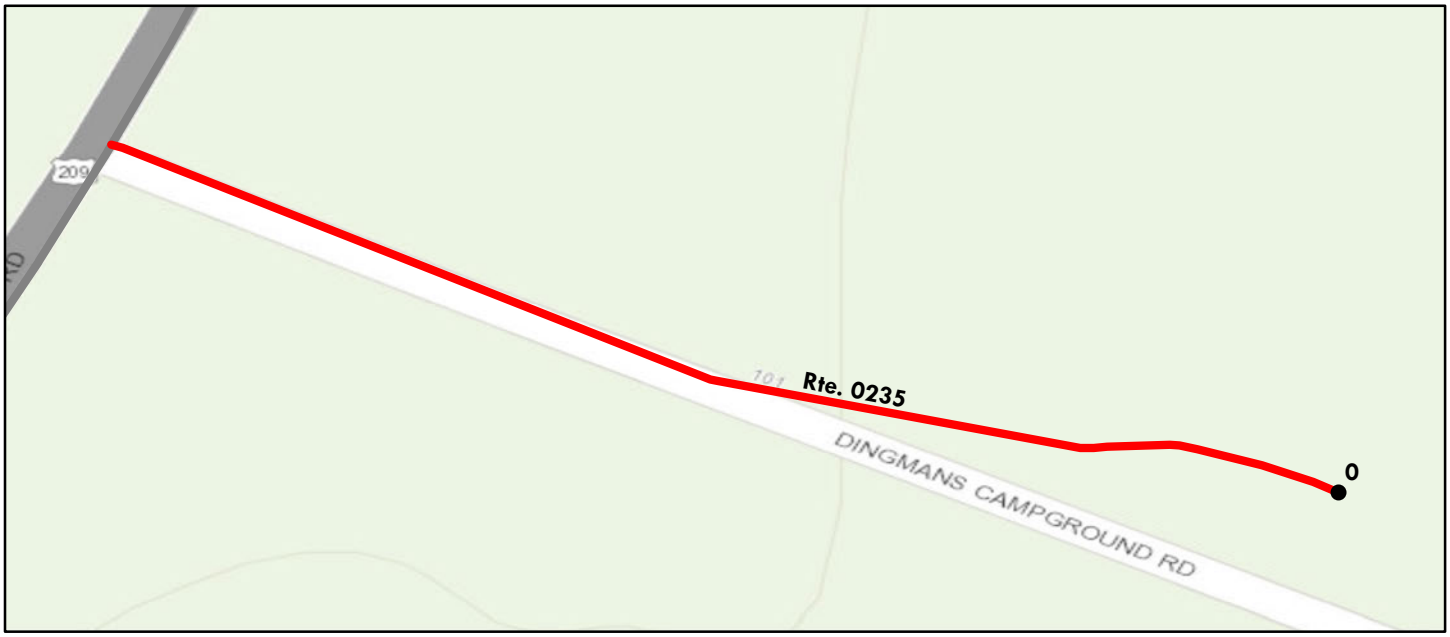
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/11/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.32	**Section Length (MI)**	0.32				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	24	24				
Longitudinal Crack Index	67	67				
Transverse Cracking Index	93	93				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20	20				
Lane Width (ft)	10.2	10.2				

Delaware Water Gap National Recreation Area

ROUTE 0235: DINGMAN'S CAMPGROUND ENTRY DRIVE

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.08	**Section Length (MI)**	0.08				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	30				
Surface Condition Rating (SCR)	30	30				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	30	30				
Longitudinal Crack Index	90	90				
Transverse Cracking Index	90	90				
Patching Index	97	97				
Rutting Index	73	73				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10	10				
Lane Width (ft)	10	10				

Delaware Water Gap National Recreation Area

ROUTE 0235: DINGMAN'S CAMPGROUND ENTRY DRIVE

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0235_0854.JPG

DEWA_0235_0855.JPG

DEWA_0235_0856.JPG

DEWA_0235_0857.JPG

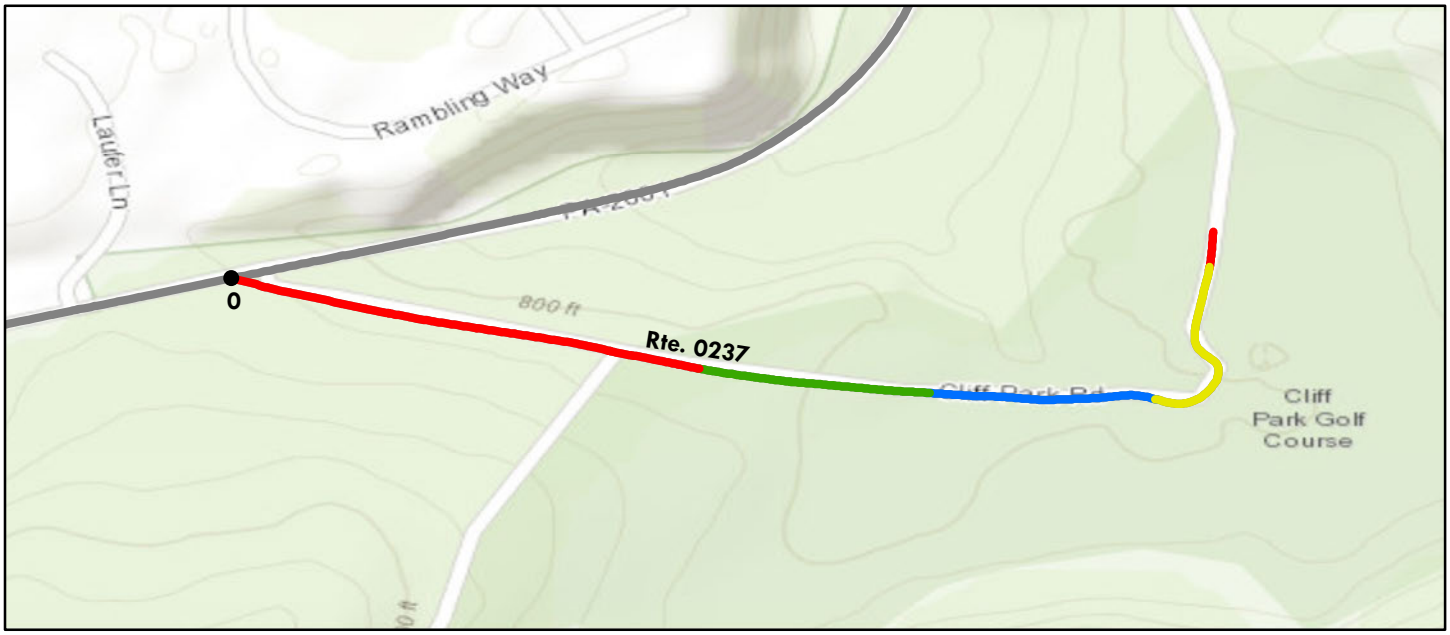
DEWA_0235_0858.JPG

DEWA_0235_0859.JPG

Delaware Water Gap National Recreation Area

ROUTE 0237: CLIFF PARK ENTRANCE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

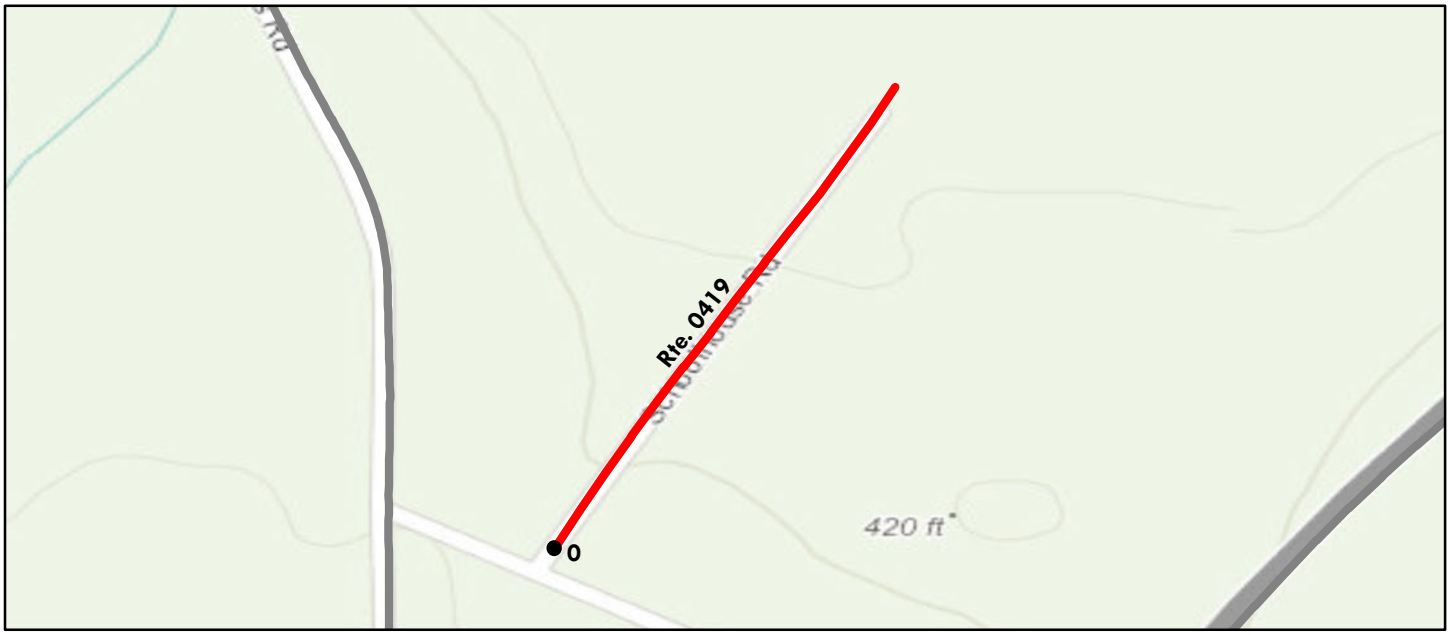
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.52	**Section Length (MI)**	0.52				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	65	65				
Surface Condition Rating (SCR)	65	65				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	65	65				
Alligator Crack Index	100	100				
Longitudinal Crack Index	65	65				
Transverse Cracking Index	93	93				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	15.6	15.6				
Lane Width (ft)	9.2	9.2				

Delaware Water Gap National Recreation Area

ROUTE 0419: BUSHKILL SCHOOL ACCESS ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

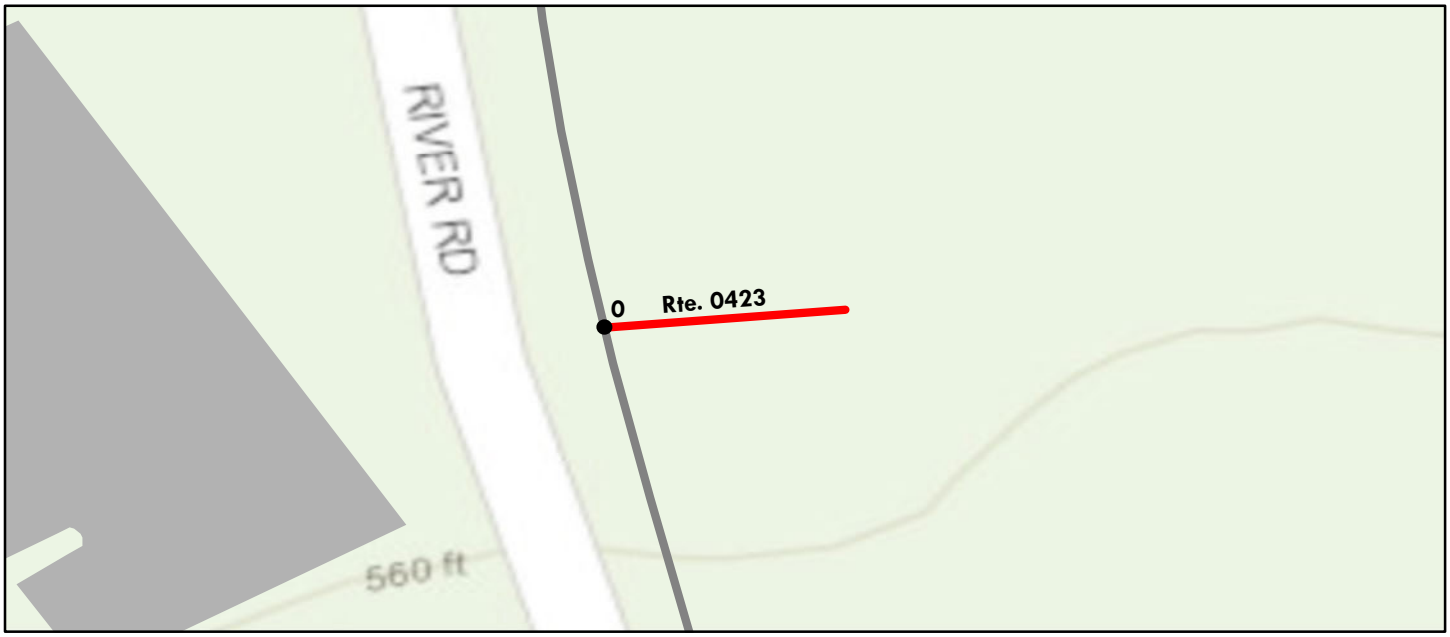
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.13	**Section Length (MI)**	0.13				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	59	59				
Longitudinal Crack Index	17	17				
Transverse Cracking Index	53	53				
Patching Index	97	97				
Rutting Index	88	88				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20.3	20.3				
Lane Width (ft)	10.2	10.2				

Delaware Water Gap National Recreation Area

ROUTE 0423: HEADQUARTER SERVICE ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/9/2018	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	53	53				
Surface Condition Rating (SCR)	53	53				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	53	53				
Longitudinal Crack Index	53	53				
Transverse Cracking Index	90	90				
Patching Index	90	90				
Rutting Index	73	73				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10	10				
Lane Width (ft)	10	10				

Delaware Water Gap National Recreation Area

ROUTE 0423: HEADQUARTER SERVICE ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0423_0784.JPG

DEWA_0423_0786.JPG

DEWA_0423_0787.JPG

DEWA_0423_0788.JPG

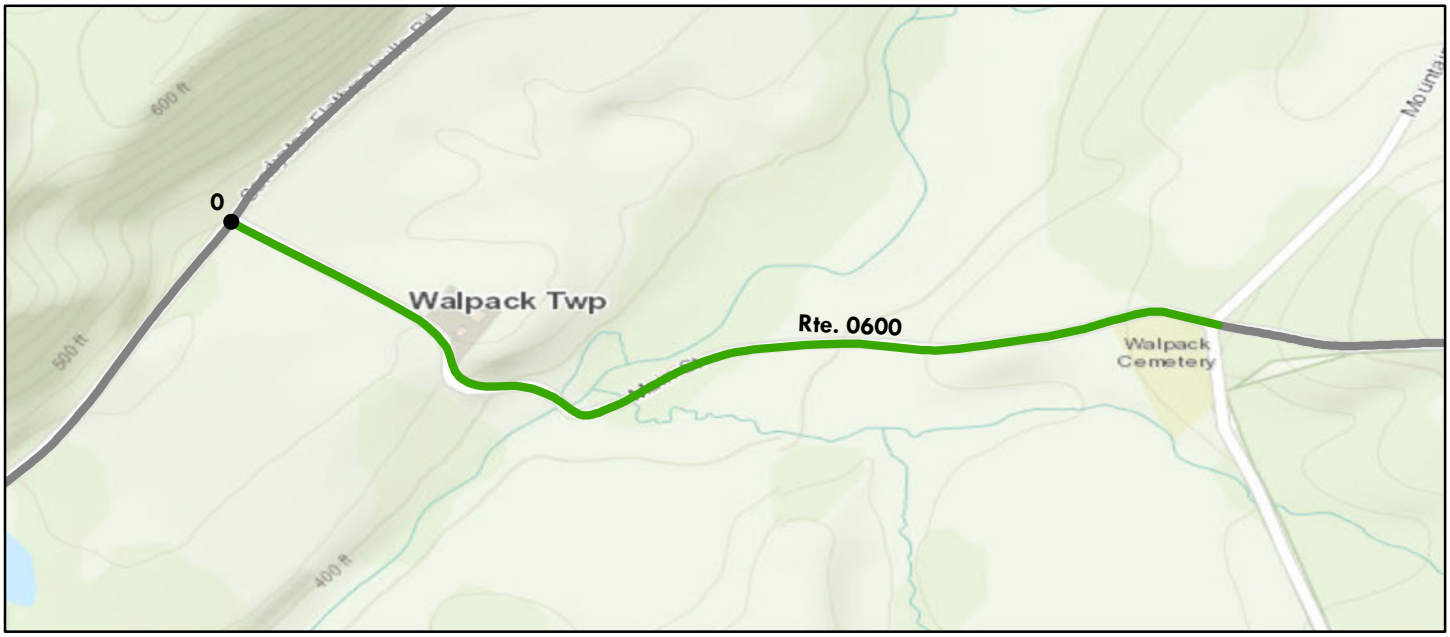
DEWA_0423_0789.JPG

DEWA_0423_0790.JPG

Delaware Water Gap National Recreation Area

ROUTE 0600: MAIN STREET (WALPACK)

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 7/10/2018	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.59	**Section Length (MI)**	0.59					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	90	90					
Surface Condition Rating (SCR)	90	90					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	90	90					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	90	90					
Patching Index	90	90					
Rutting Index	97	97					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	2	2					
Paved Width (ft)	20	20					
Lane Width (ft)	10	10					

Delaware Water Gap National Recreation Area

ROUTE 0600: MAIN STREET (WALPACK)

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

DEWA_0600_0929.JPG

DEWA_0600_0930.JPG

DEWA_0600_0931.JPG

DEWA_0600_0932.JPG

DEWA_0600_0933.JPG

DEWA_0600_0934.JPG

Delaware Water Gap National Recreation Area

ROUTE 0601: STRUBLE ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/12/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.41	**Section Length (MI)**	0.41				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94				
Surface Condition Rating (SCR)	94	94				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	94	94				
Alligator Crack Index	100	100				
Longitudinal Crack Index	94	94				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.1	16.1				
Lane Width (ft)	7.8	7.8				

Section 6
Paved Parking Area Condition Rating Sheets

Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Delaware Water Gap National Recreation Area

ROUTE 0900ZZ: POXONO BOAT LAUNCH PARKING

Summary Route
Manual Rating

FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.88 ON LEFT

TO BOAT RAMP

Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	49365	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
12,924	0.222	SUMMARY / 62	

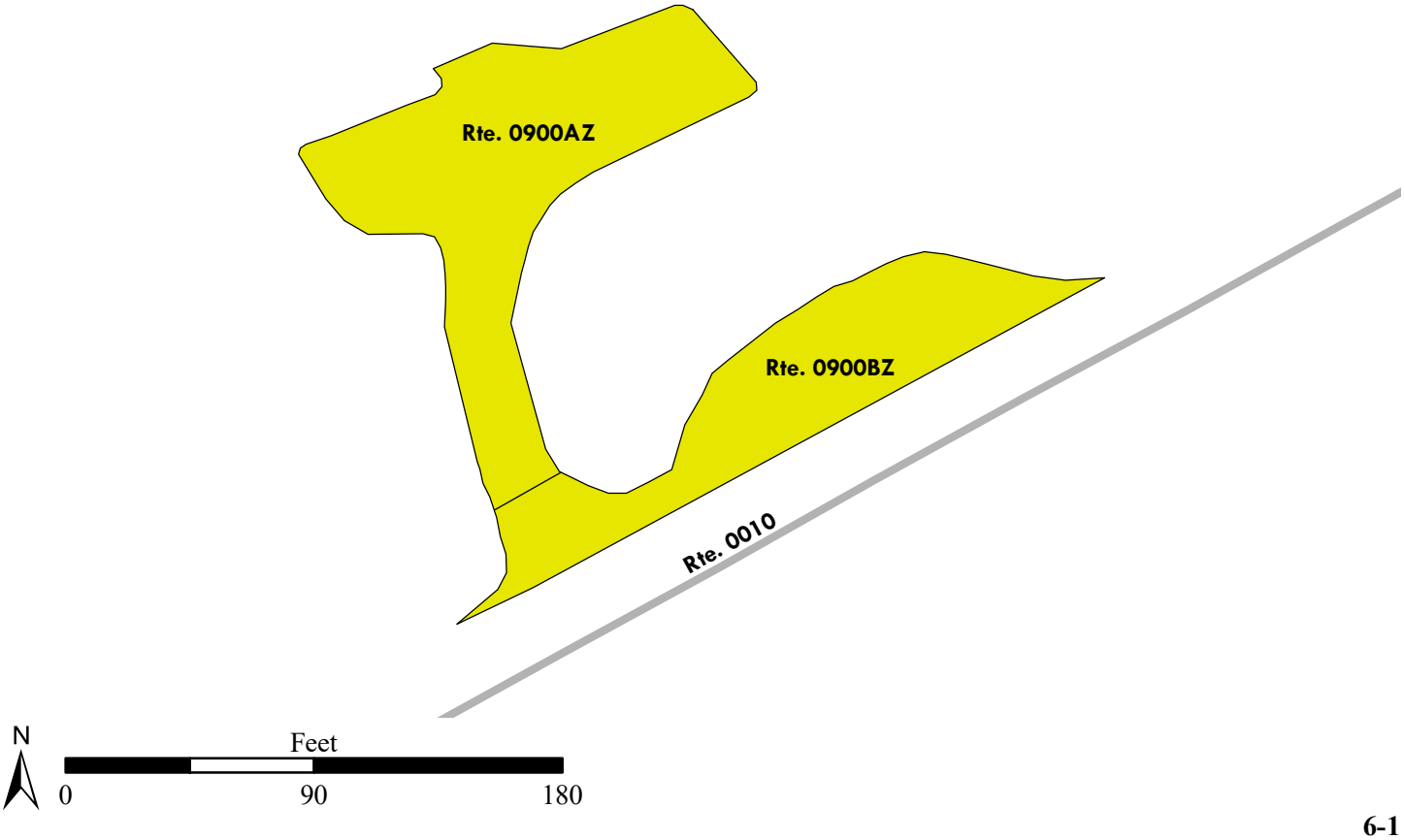
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0900ZZ
(2 Subcomponents)



Delaware Water Gap National Recreation Area

ROUTE 0900AZ: POXONO BOAT LAUNCH LOWER PARKING

Subcomponent of Route DEWA-0900ZZ
Manual Rating

FROM ROUTE 0900BZ (POXONO BOAT LAUNCH UPPER PARKING)

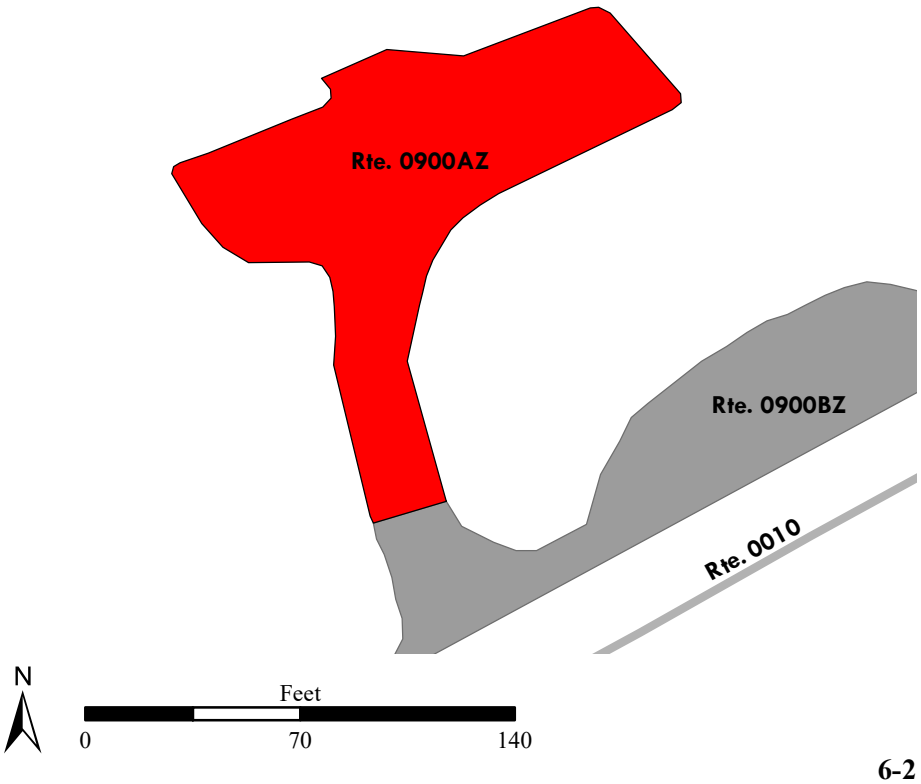
TO BOAT RAMP

Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	49365	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,279	0.125	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0900BZ: POXONO BOAT LAUNCH UPPER PARKING

Subcomponent of Route DEWA-0900ZZ
Manual Rating

FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 1.92 ON LEFT

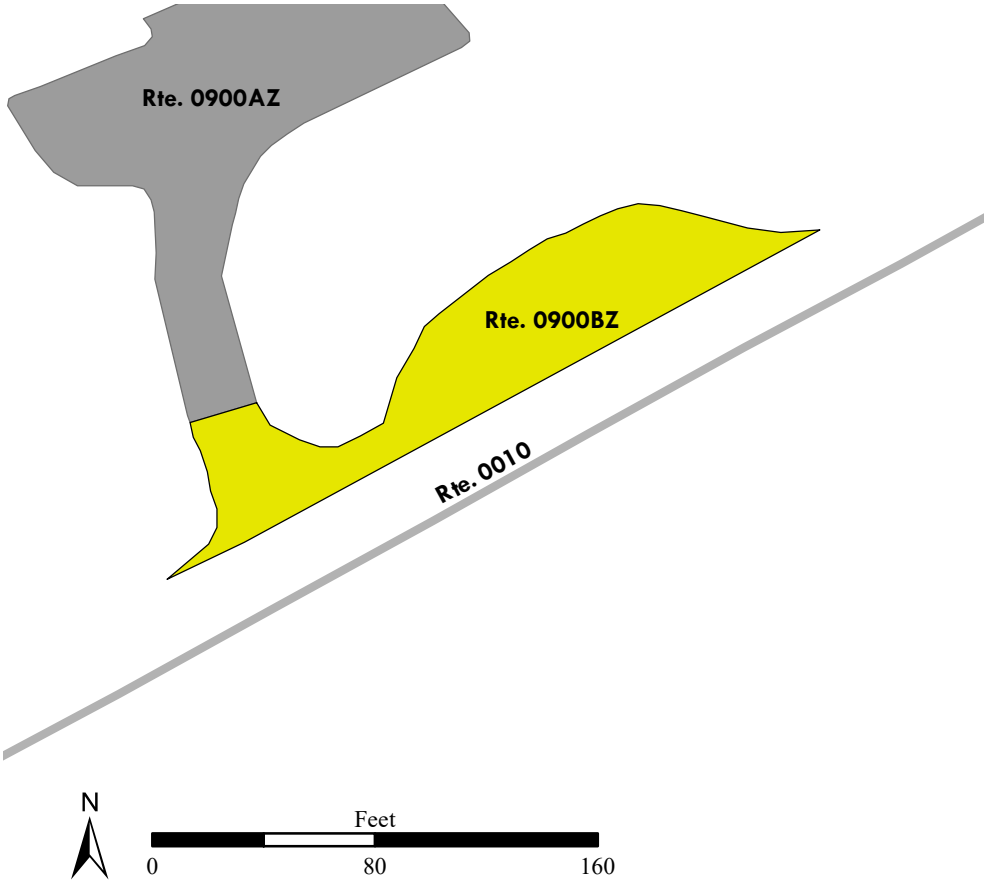
TO ROUTE 0900AZ (POXONO BOAT LAUNCH LOWER PARKING)

Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	49365	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,645	0.097	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0902: RESORT POINT OVERLOOK

Manual Rating

FROM ROUTE 5010 (PA 611) WEST

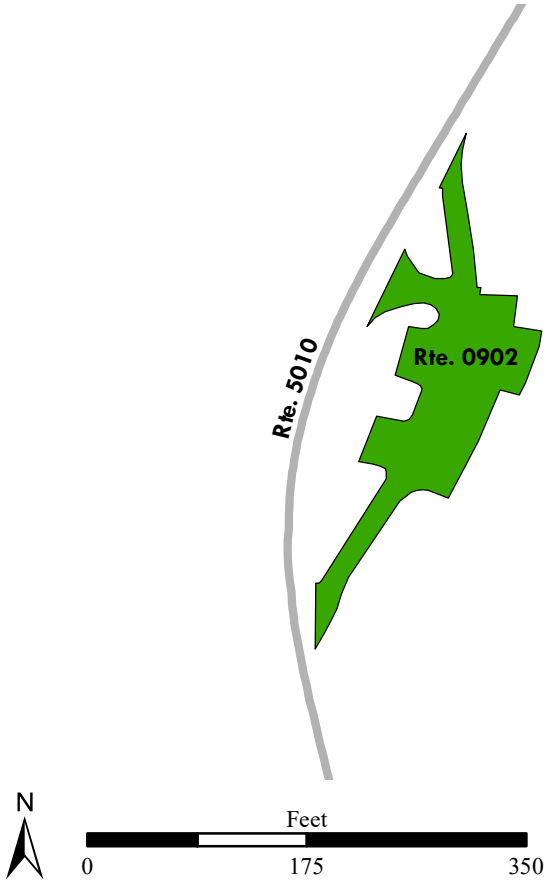
TO ROUTE 5010 (PA 611) WEST EAST

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31298	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
13,874	0.239	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0903: POINT OF GAP OVERLOOK

Manual Rating

FROM ROUTE 5010 (PA 611)

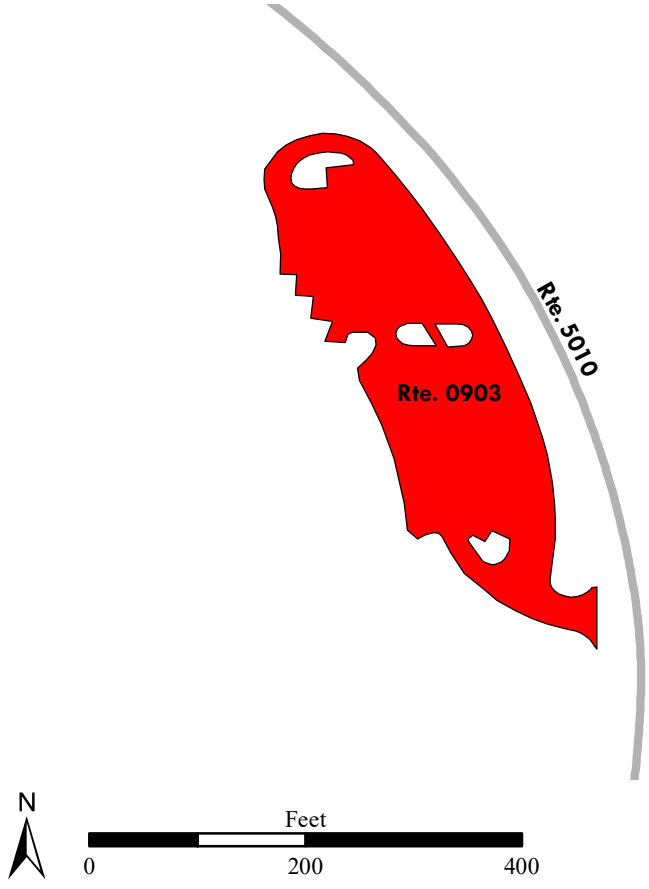
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31297	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
42,242	0.727	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0904ZZ: ARROW ISLAND OVERLOOK PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 5010 (PA 611) ON LEFT AND RIGHT

TO ROUTE 5010 (PA 611)

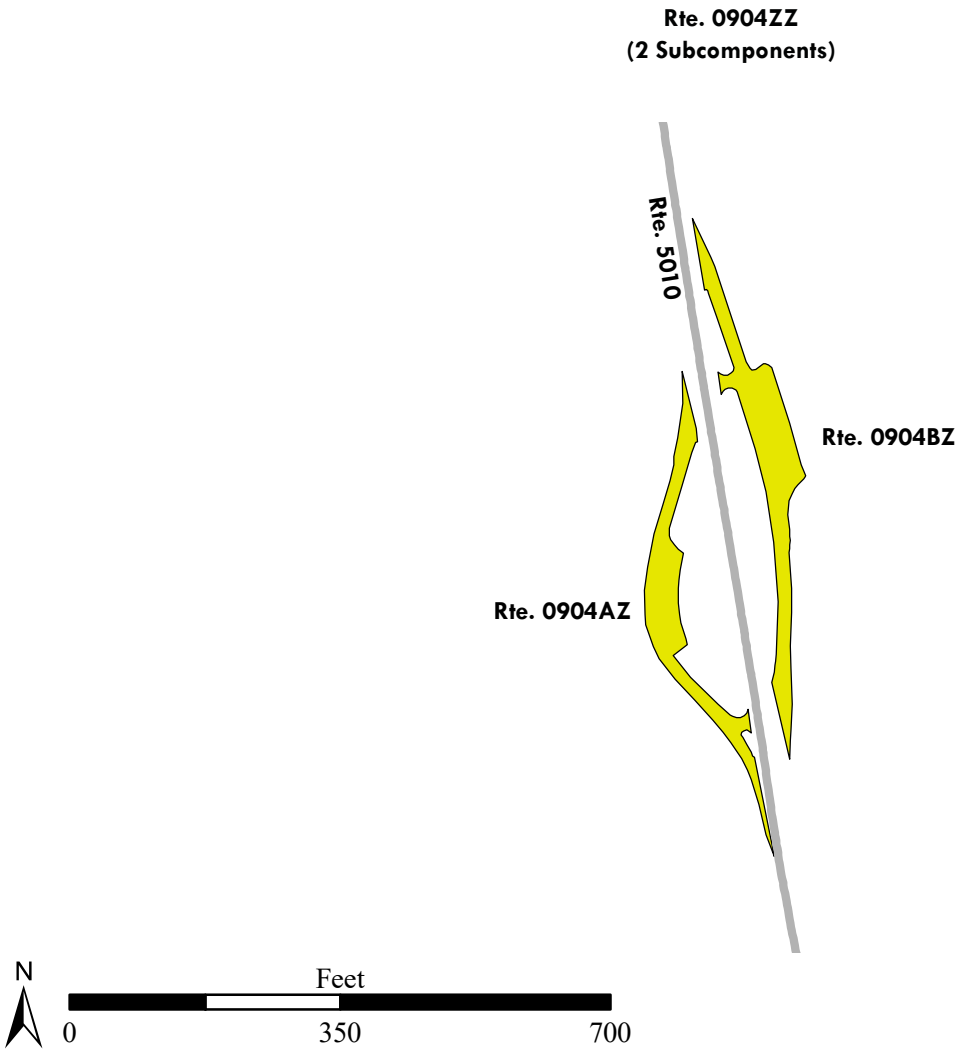
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31296	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
24,723	0.425	SUMMARY / 74	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Delaware Water Gap National Recreation Area

ROUTE 0904AZ: ARROW ISLAND OVERLOOK PARKING A

Subcomponent of Route DEWA-0904ZZ
Manual Rating

FROM ROUTE 5010 (PA 611) ON RIGHT

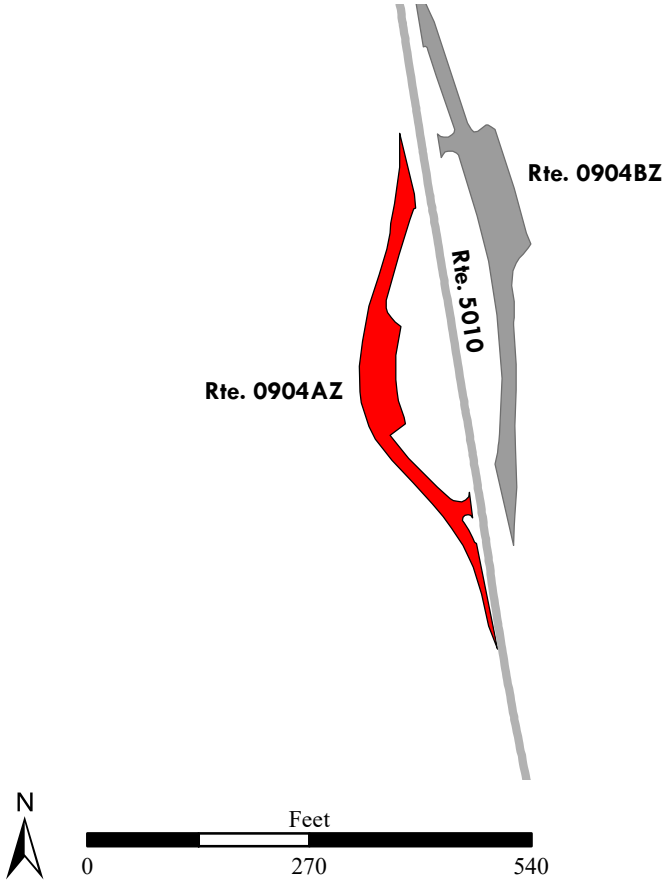
TO ROUTE 5010 (PA 611)

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31296	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
10,656	0.183	8	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0904BZ: ARROW ISLAND OVERLOOK PARKING B

Subcomponent of Route DEWA-0904ZZ
Manual Rating

FROM ROUTE 5010 (PA 611) ON LEFT

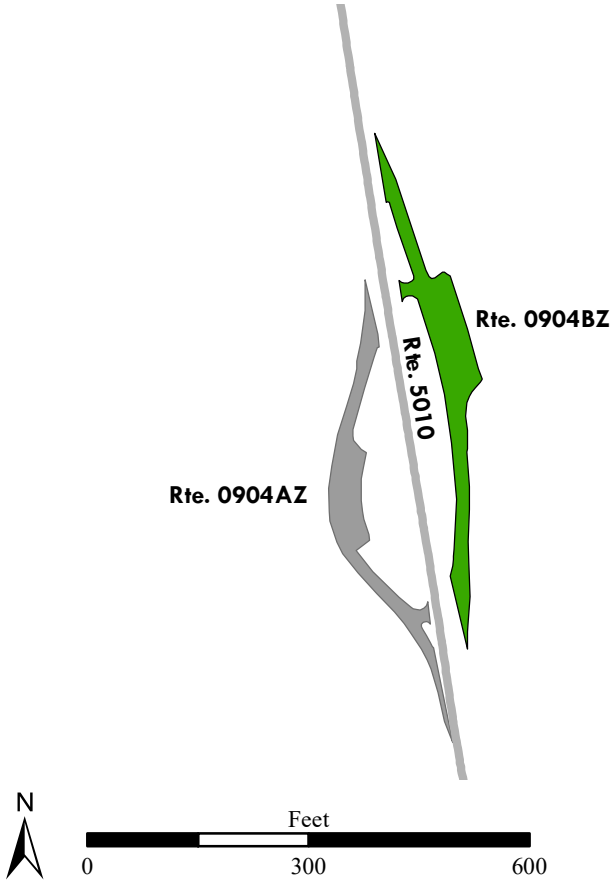
TO ROUTE 5010 (PA 611)

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31296	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
14,067	0.242	8	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0905: HEADQUARTERS PARKING

Manual Rating

FROM ROUTE 0105 (RIVER ROAD) AT MP 5.61 ON RIGHT

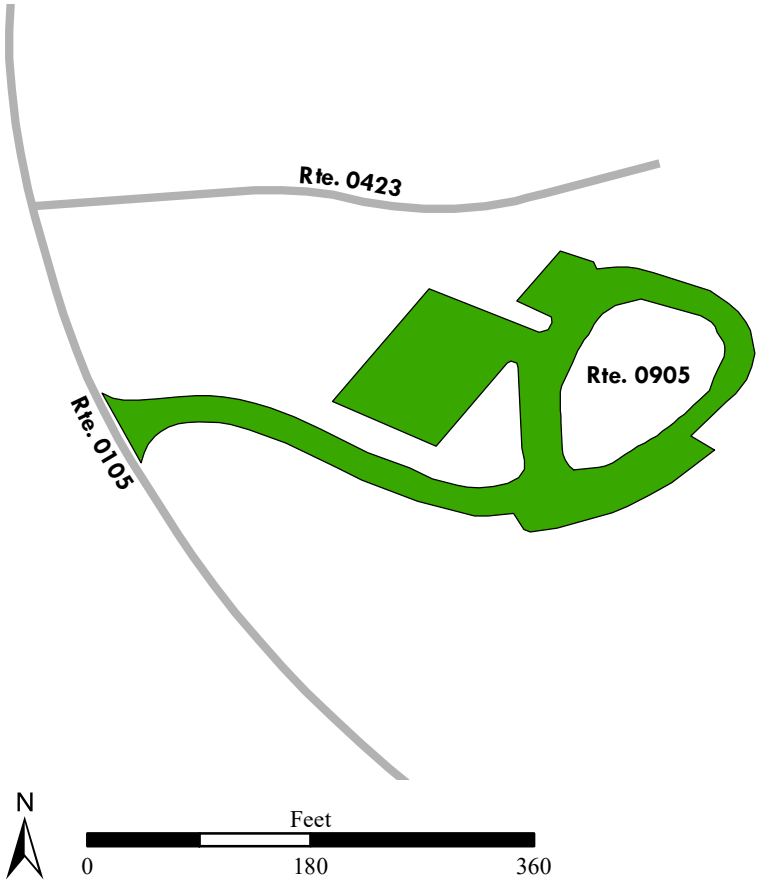
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31918	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
27,718	0.477	4	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0906ZZ: SMITHFIELD BEACH PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0233ZZ (SMITHFIELD BEACH ACCESS ROADS)

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	32276	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
166,960	2.875	SUMMARY / 90	

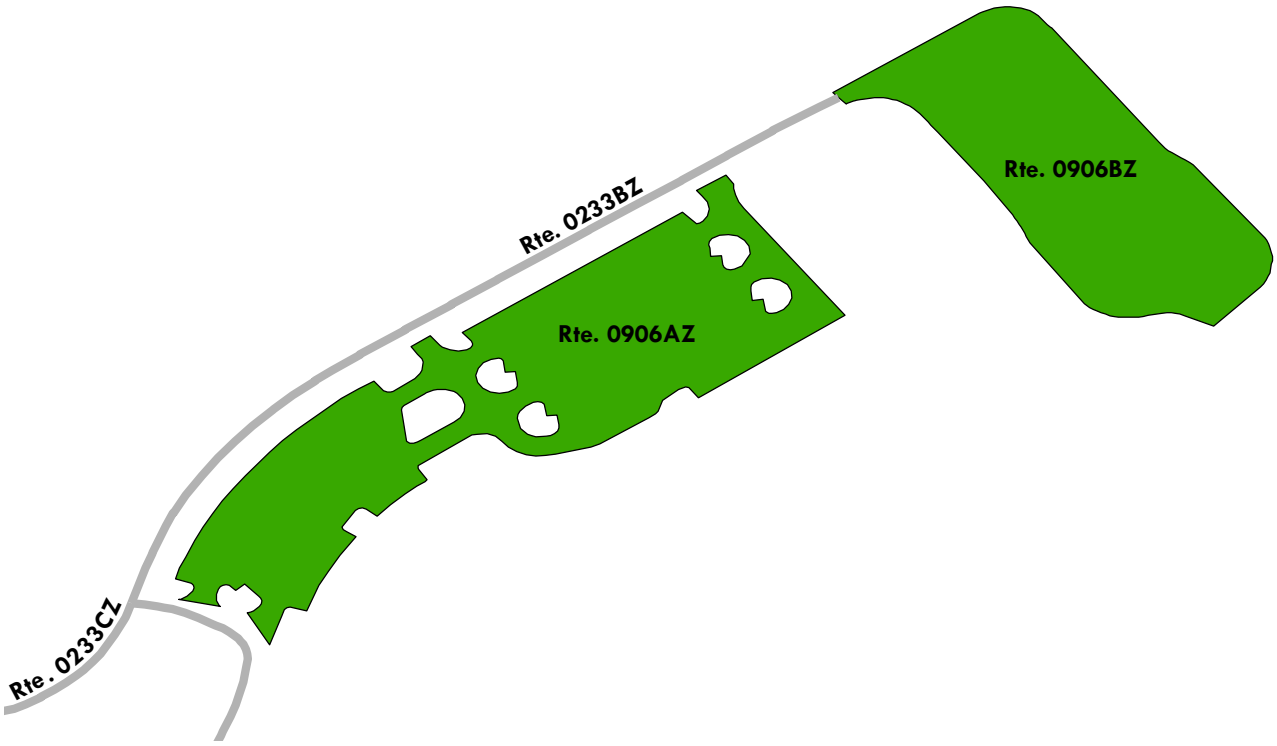
Route Condition Legend – Pavement Condition Rating (PCR)

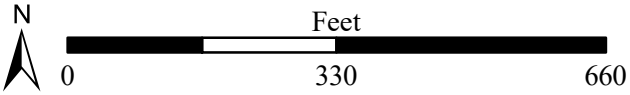
Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0906ZZ
(2 Subcomponents)





Delaware Water Gap National Recreation Area

ROUTE 0906AZ: SMITHFIELD BEACH PARKING A

Subcomponent of Route DEWA-0906ZZ

Manual Rating

FROM ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS) AT MP 0.04 ON LEFT

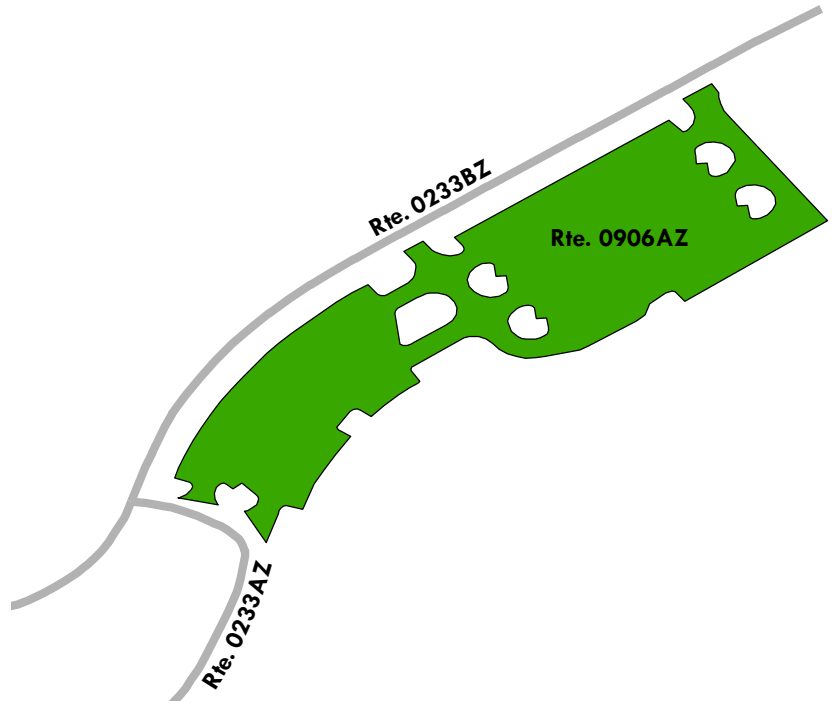
TO ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD) AT MP 0.01 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	32276	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
96,514	1.662	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0906BZ: SMITHFIELD BEACH PARKING B

Subcomponent of Route DEWA-0906ZZ
Manual Rating

FROM END OF ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)

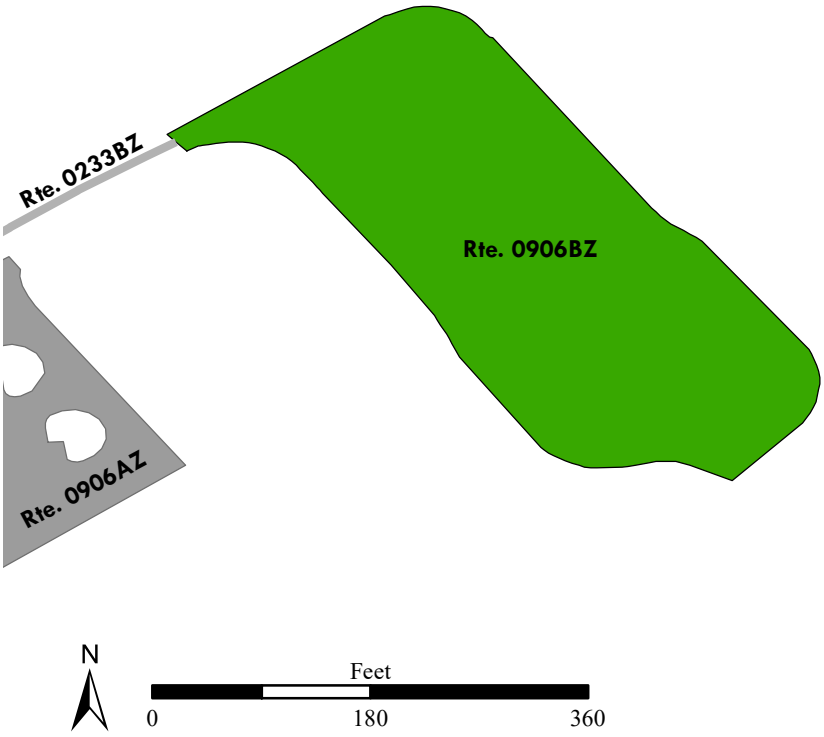
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	32276	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
70,446	1.213	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0907: HIDDEN LAKE PARKING

Manual Rating

FROM ROUTE 0234 (HIDDEN LAKE ACCESS ROAD) AT MP 0.26 ON LEFT

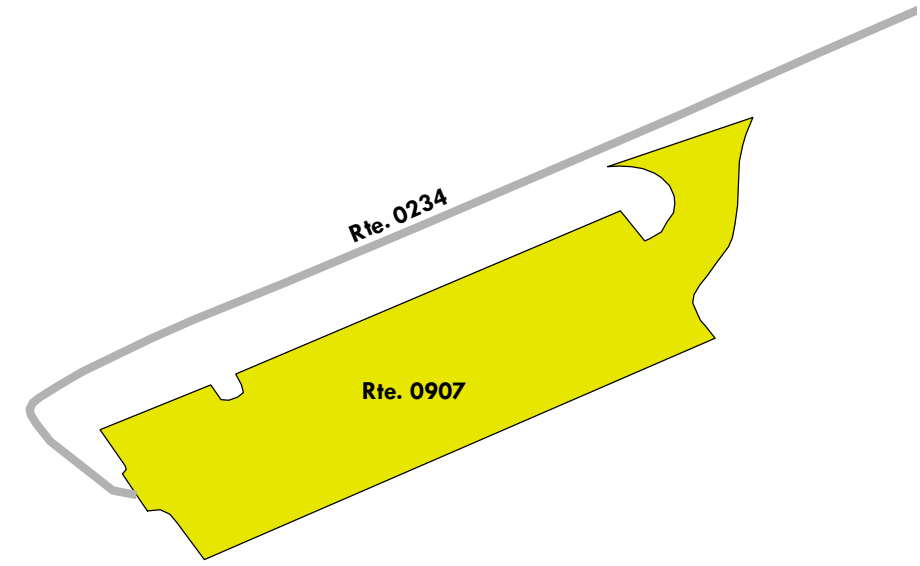
TO ROUTE 0234 (HIDDEN LAKE ACCESS ROAD) AT MP 0.32

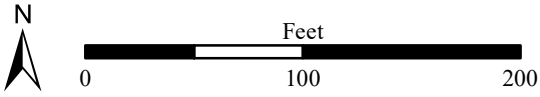
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31939	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
15,801	0.272	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0908: DINGMAN'S FERRY ACCESS PARKING AREA

Manual Rating

FROM ROUTE 5011 (PA 739)

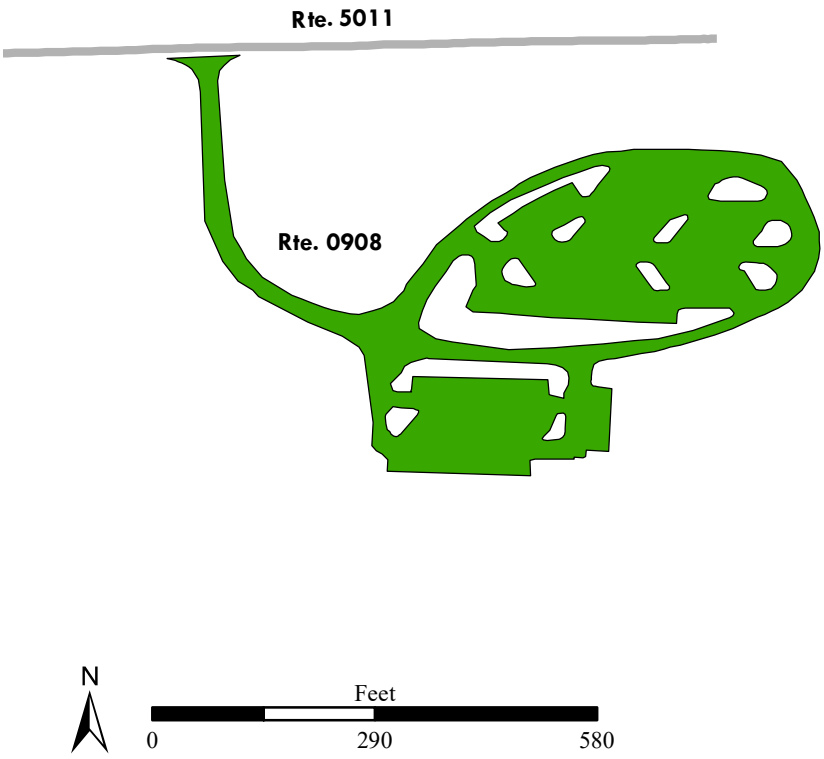
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31870	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
106,064	1.826	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0909ZZ: MILFORD BEACH PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.10 ON LEFT

TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT END

Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	32003	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
122,752	2.113	SUMMARY / 54	

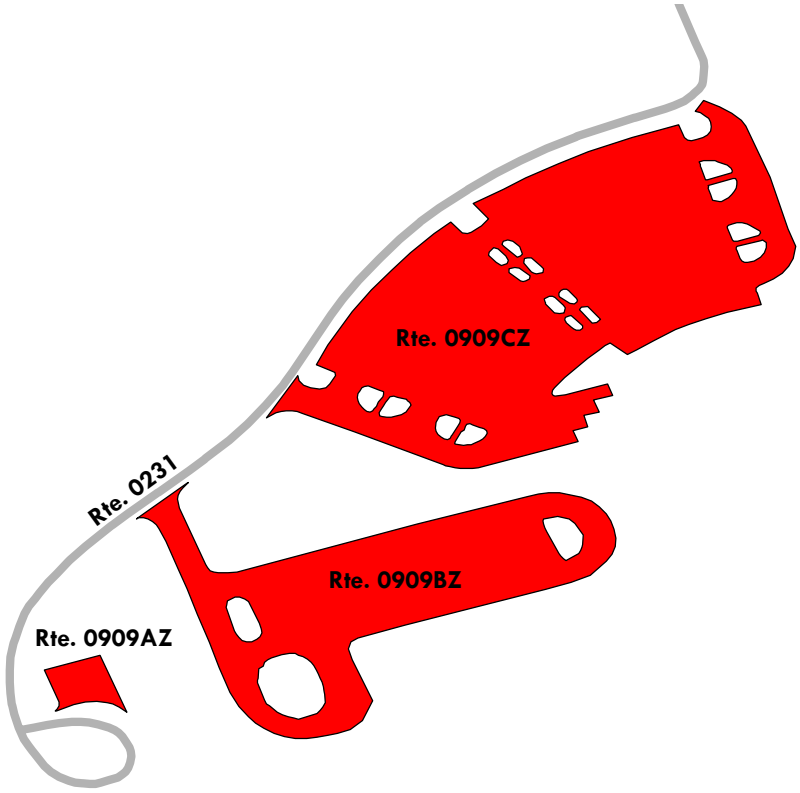
Route Condition Legend – Pavement Condition Rating (PCR)

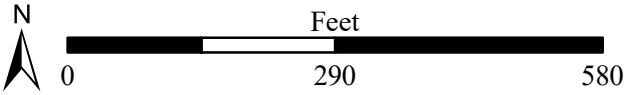
Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0909ZZ
(3 Subcomponents)





Delaware Water Gap National Recreation Area

ROUTE 0909AZ: MILFORD BEACH CANOE LAUNCH PARKING

Subcomponent of Route DEWA-0909ZZ
Manual Rating

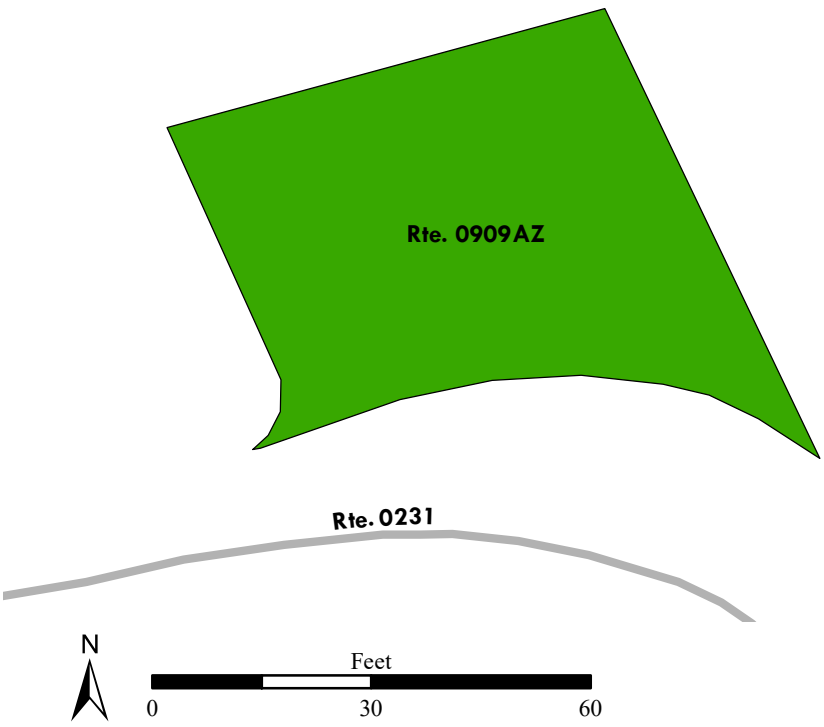
ADJACENT TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT END

Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	32003	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,326	0.04	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0909BZ: MILFORD BEACH BOAT LAUNCH PARKING

Subcomponent of Route DEWA-0909ZZ
Manual Rating

FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.22 ON LEFT

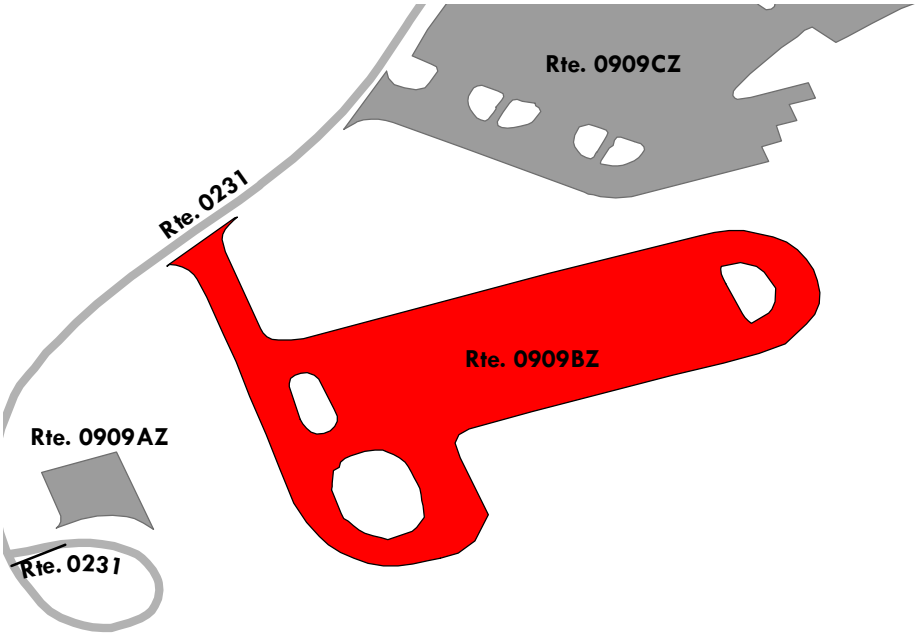
TO PARKING

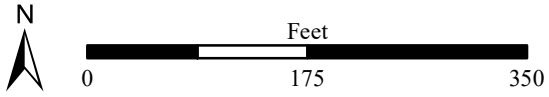
Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	32003	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
40,330	0.694	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0909CZ: MILFORD BEACH ACCESS PARKING

Subcomponent of Route DEWA-0909ZZ
Manual Rating

FROM ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.10 ON LEFT

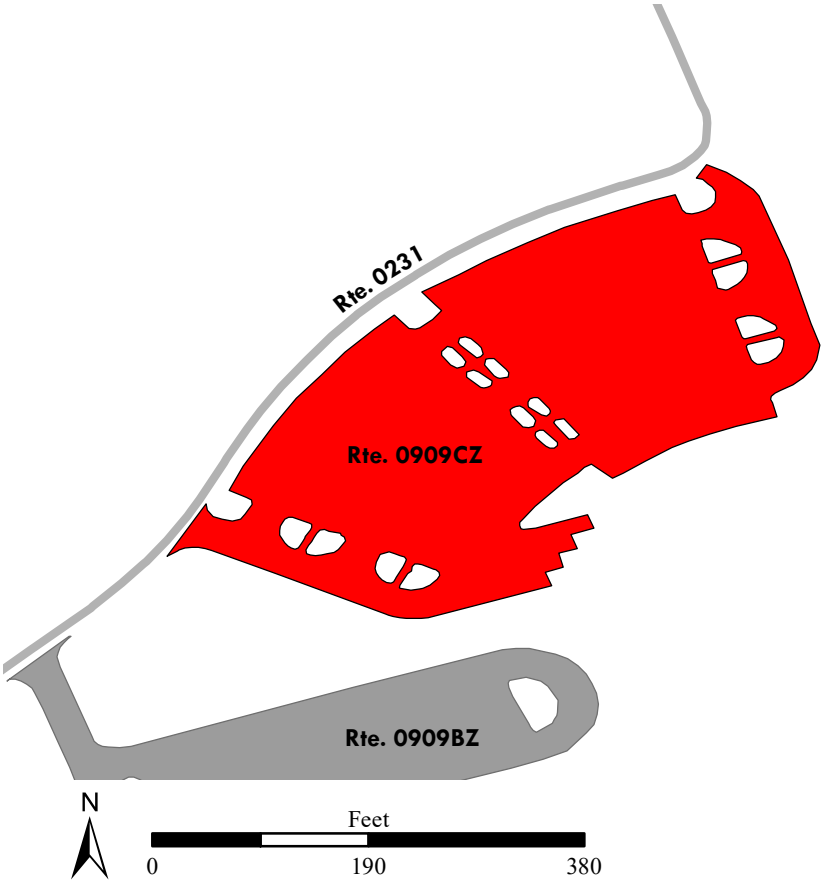
TO ROUTE 0231 (MILFORD BEACH ACCESS ROAD) AT MP 0.19 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	32003	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
80,096	1.379	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0910: BUSHKILL ACCESS PARKING

Manual Rating

FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 2.76 ON RIGHT

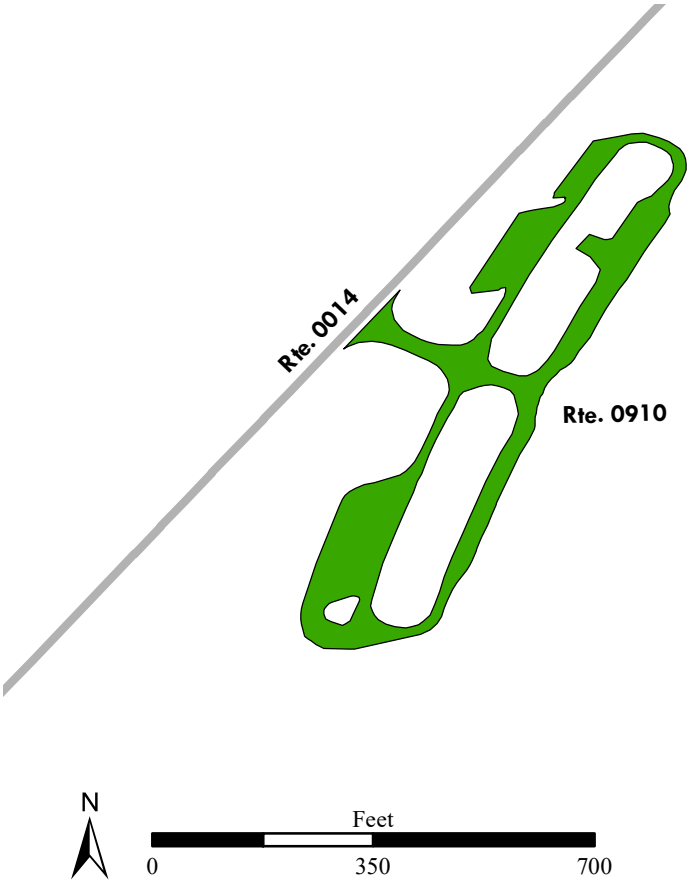
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	49422	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
68,598	1.181	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0911: KITTATINNY POINT VISITOR CENTER

Manual Rating

FROM RIVER ROAD (NON NPS)

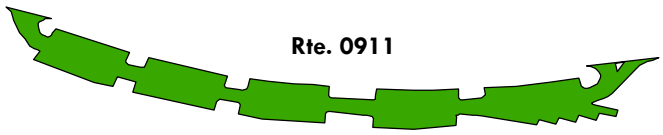
TO RIVER ROAD (NON NPS)

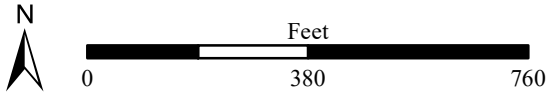
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	30588	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
45,262	0.779	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0913: KITTATINNY POINT PARKING AREA

Manual Rating

FROM RIVER ROAD (NON NPS)

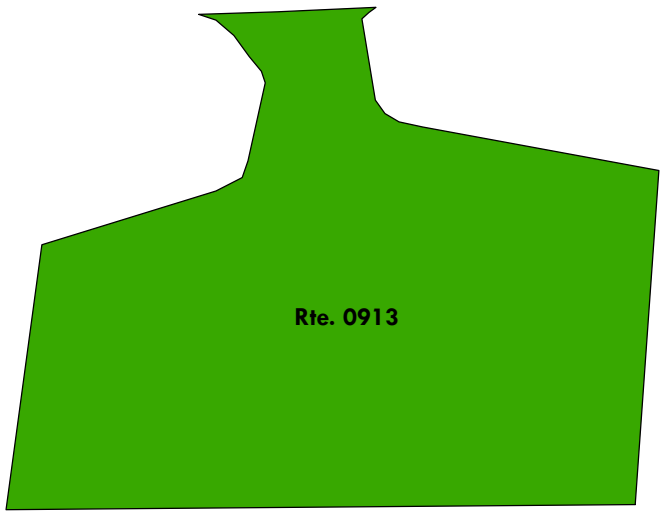
TO PARKING

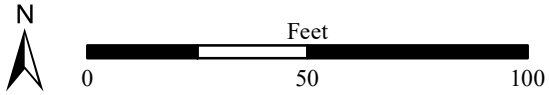
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	30585	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
8,857	0.152	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0915: BUSHKILL MAINTENANCE AREA

Manual Rating

FROM ROUTE 0105 (RIVER ROAD) AT MP 5.67 ON LEFT

TO PARKING

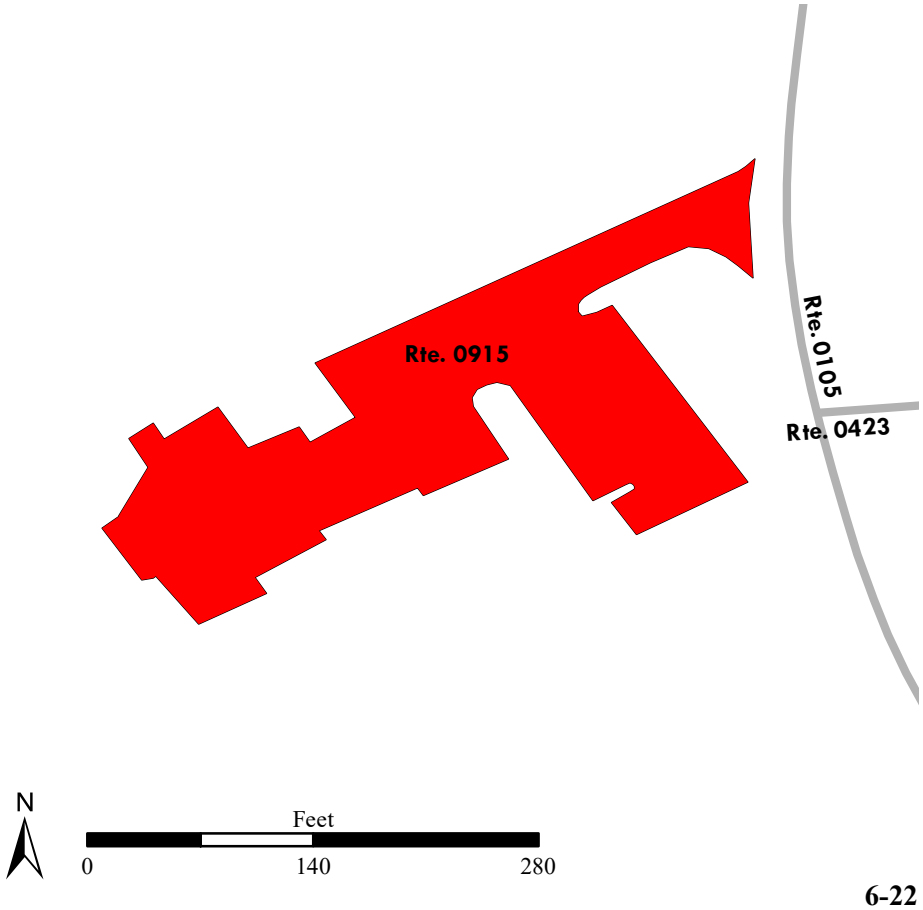
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	30112	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
30,428	0.524	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 29,512 square feet; 1 part Concrete at 916 square feet.



Delaware Water Gap National Recreation Area

ROUTE 0916: DINGMAN'S MAINTENANCE FACILITY PARKING

Manual Rating

FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 12.63 ON RIGHT

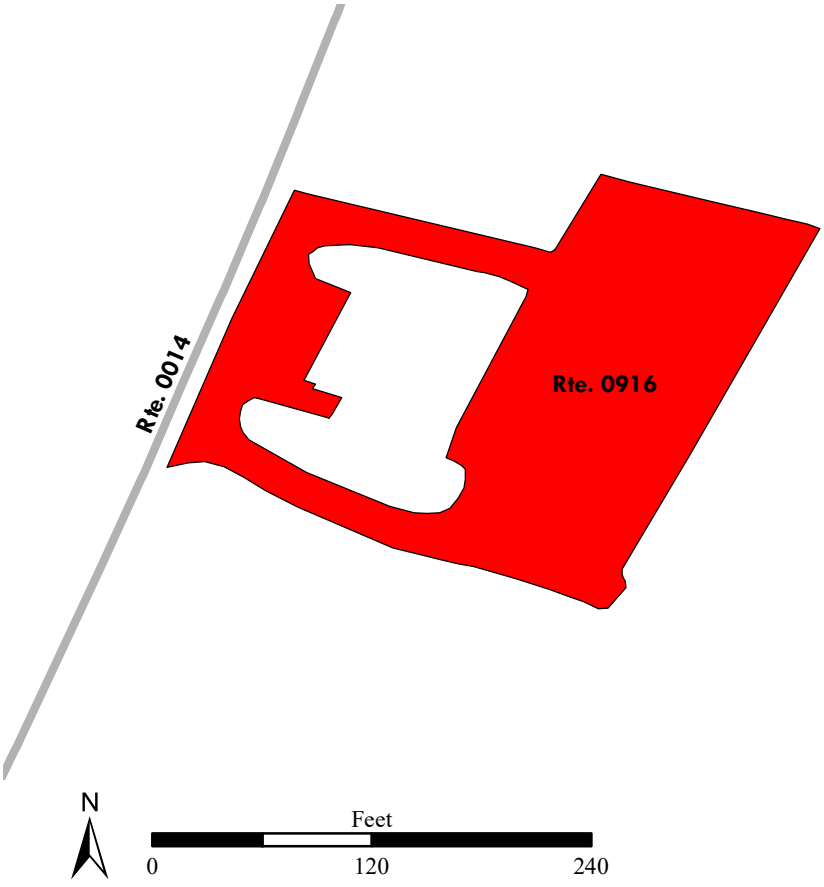
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	41633	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
28,870	0.497	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0931ZZ: PEEC COMPLEX PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0232ZZ (PEEC CABIN ACCESS ROADS)

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	55243	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
25,880	0.446	SUMMARY / 84	

Route Condition Legend – Pavement Condition Rating (PCR)

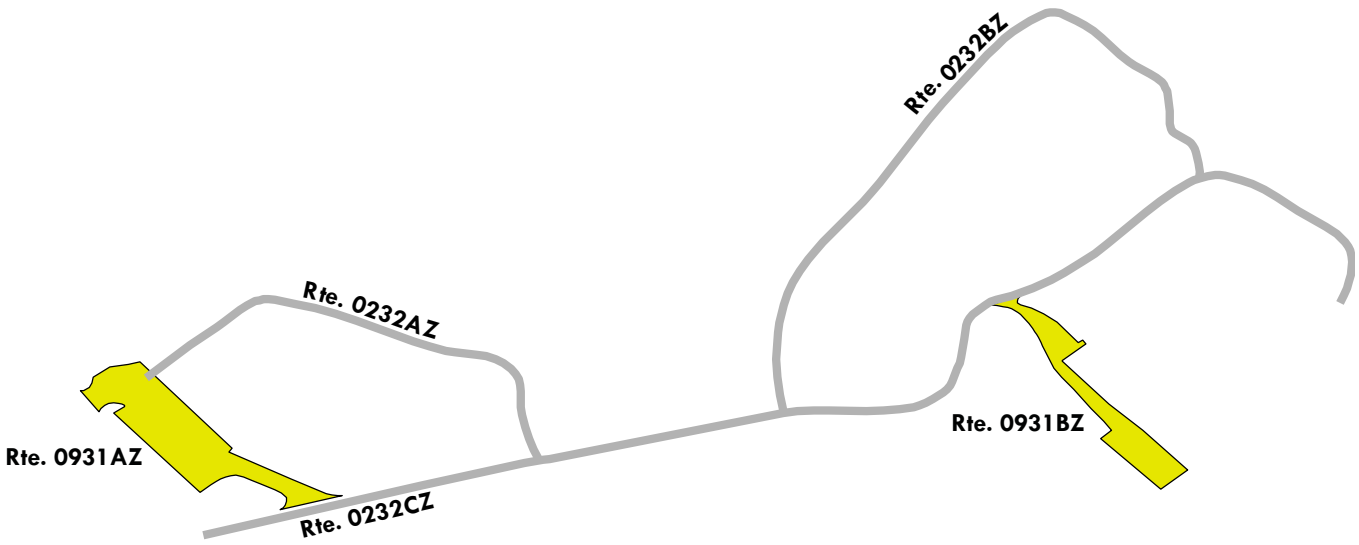
Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

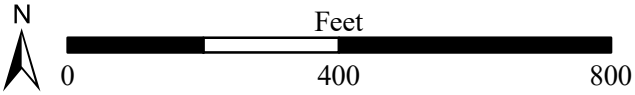
See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

"PEEC" IS THE POCONO ENVIRONMENTAL EDUCATION CENTER.

Rte. 0931ZZ
(2 Subcomponents)





Delaware Water Gap National Recreation Area

ROUTE 0931AZ: PEEC COMPLEX REGISTRATION PARKING

Subcomponent of Route DEWA-0931ZZ
Manual Rating

FROM EMERY ROAD ON RIGHT

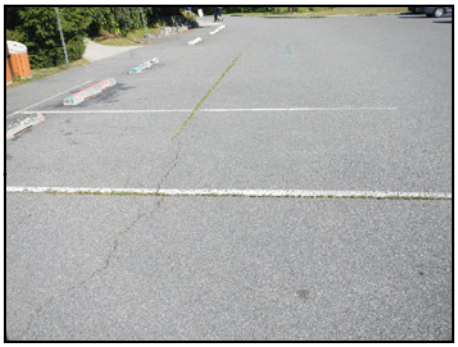
TO ROUTE 0232CZ (PEEC CABIN ACCESS)

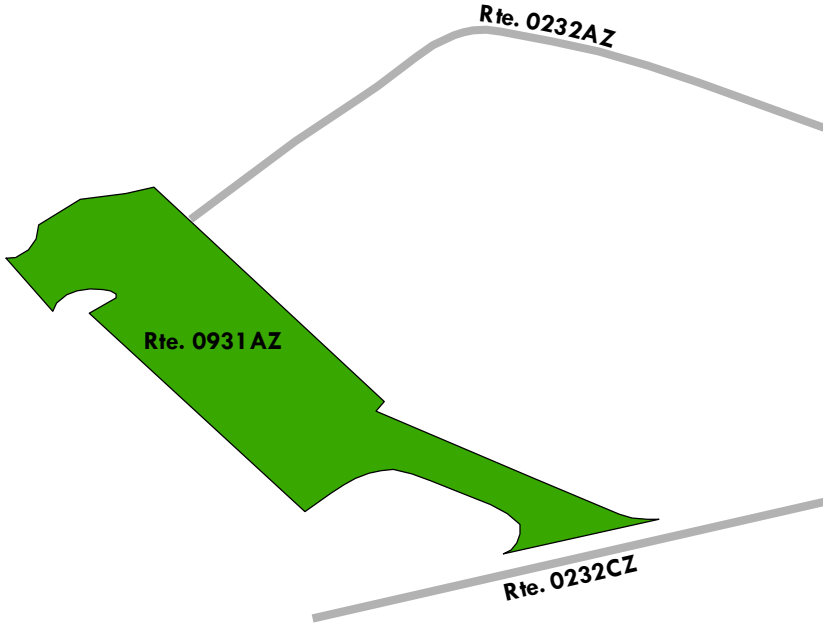
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	55243	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
16,670	0.287	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





N

Feet

0 130 260

Delaware Water Gap National Recreation Area

ROUTE 0931BZ: PEEC COMPLEX DINING HALL PARKING

Subcomponent of Route DEWA-0931ZZ
Manual Rating

FROM ROUTE 0232CZ (PEEC CABIN ACCESS)

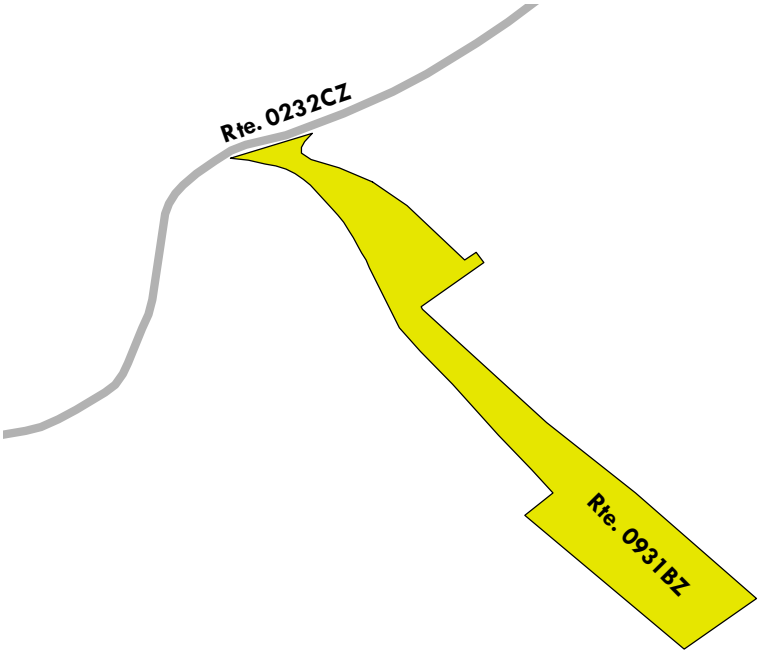
TO PARKING

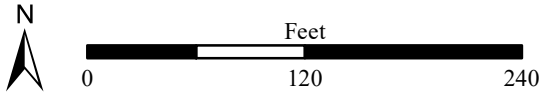
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	55243	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
9,210	0.159	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0932: CAMP WEYGADT COMPLEX PARKING AREA

Manual Rating

FROM RAMP OFF I-80W U-TURN RAMP (WEIGHT STATION ON RIGHT)

THROUGH NPS COLUMBIA MAINTENANCE AREA

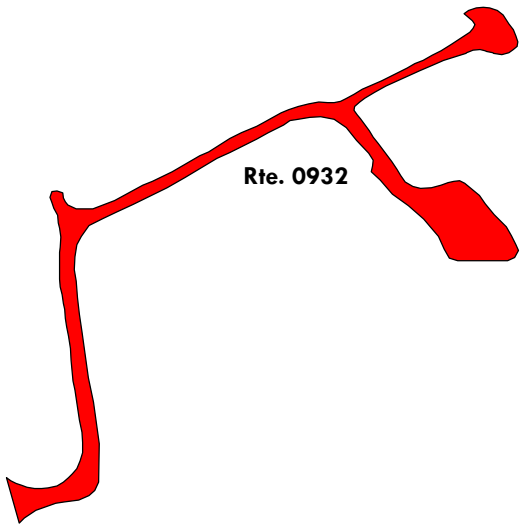
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	49443	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
18,692	0.322	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 0	

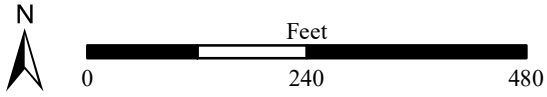
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Asphalt deteriorated - appears gravel





Delaware Water Gap National Recreation Area

ROUTE 0951: DUCK POND PARKING

Manual Rating

FROM ROUTE 0013 (NATIONAL PARK DRIVE) AT MP 0.56 ON RIGHT

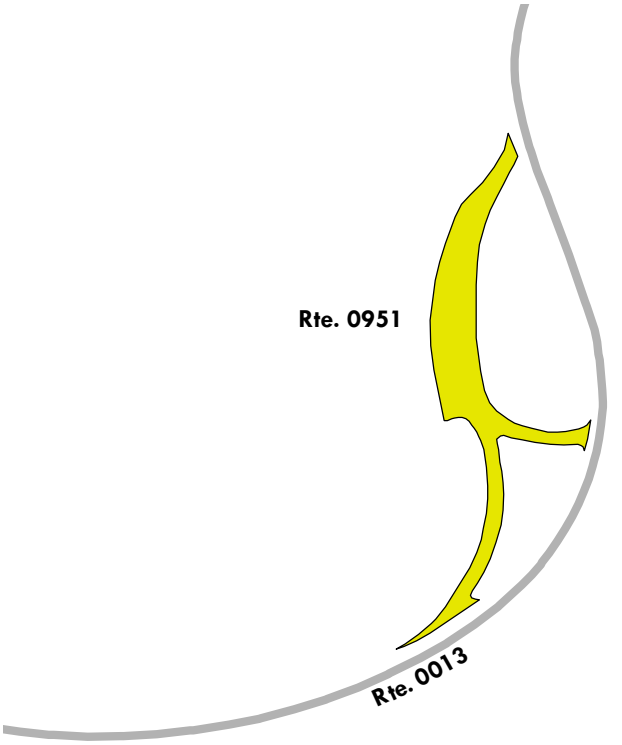
TO ROUTE 0013 (NATIONAL PARK DRIVE) AT MP 0.61 ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	31261	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
11,252	0.194	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0952: DINGMANS FALLS VISITOR CENTER

Manual Rating

FROM END OF ROUTE 0218 (DINGMANS FALLS ROAD)

TO PARKING

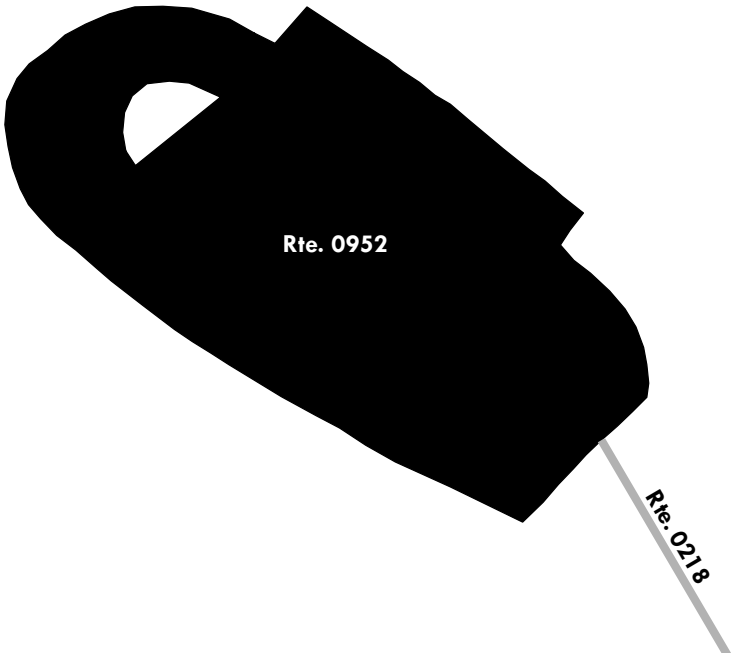
Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	31630	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
23,158	0.399	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
NOT APPLICABLE		NOT RATED / -1	

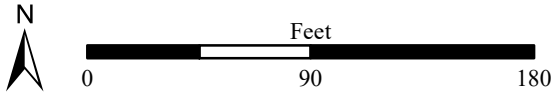
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Pavement condition not rated due to storm debris covering the paved surface.





Delaware Water Gap National Recreation Area

ROUTE 0953: NORTH CONTACT STATION

Manual Rating

FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 20.31 ON LEFT

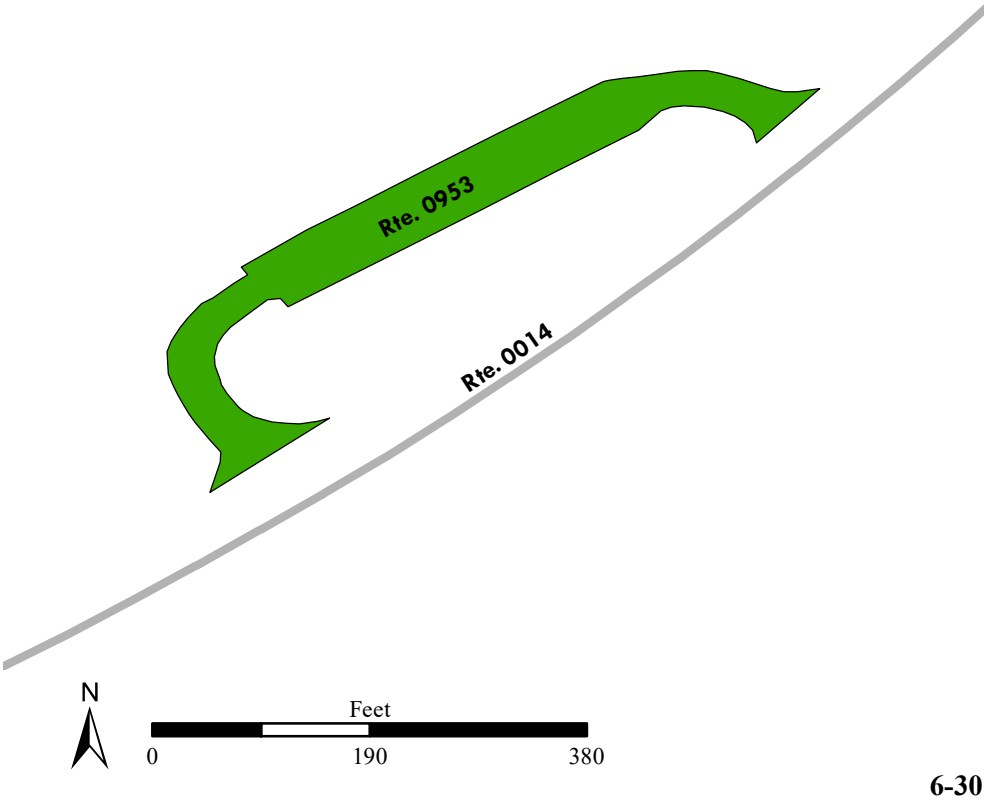
TO ROUTE 0014 (U.S. HIGHWAY 209) AT MP 20.39 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	49462	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
24,328	0.419	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0954: ROE JACOB HOUSE PARKING

Manual Rating

FROM ROUTE 0113 (NPS ROUTE 615) AT MP 6.22 ON LEFT

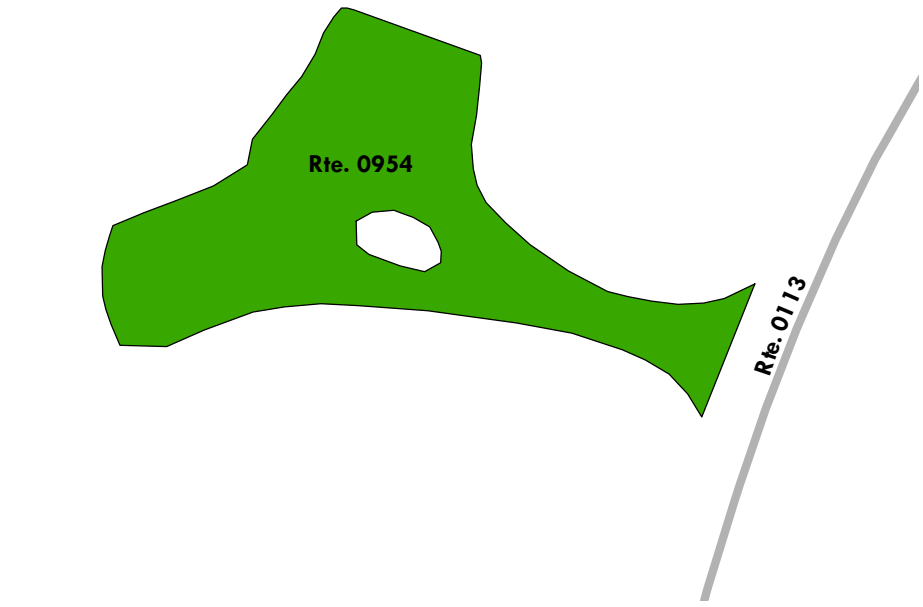
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	30905	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
6,043	0.104	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0955: MILLBROOK VILLAGE PARKING

Manual Rating

FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 5.99 ON RIGHT

TO ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 6.06 ON RIGHT

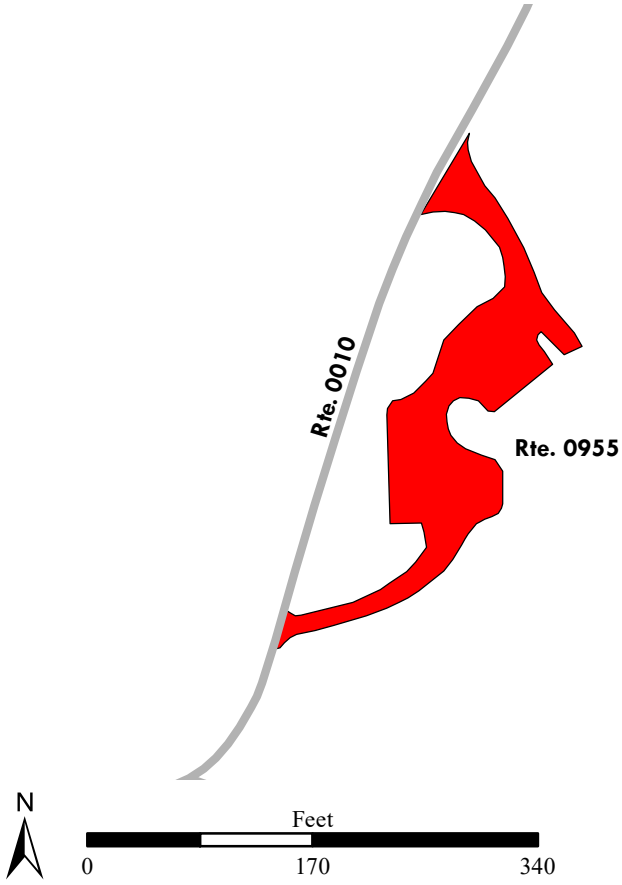
Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	49488	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
13,967	0.24	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 0	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas

Asphalt deteriorated - appears gravel.



Delaware Water Gap National Recreation Area

ROUTE 0956: WATERGATE PARKING & ENTRANCE ROAD

Manual Rating

FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 5.51 ON RIGHT

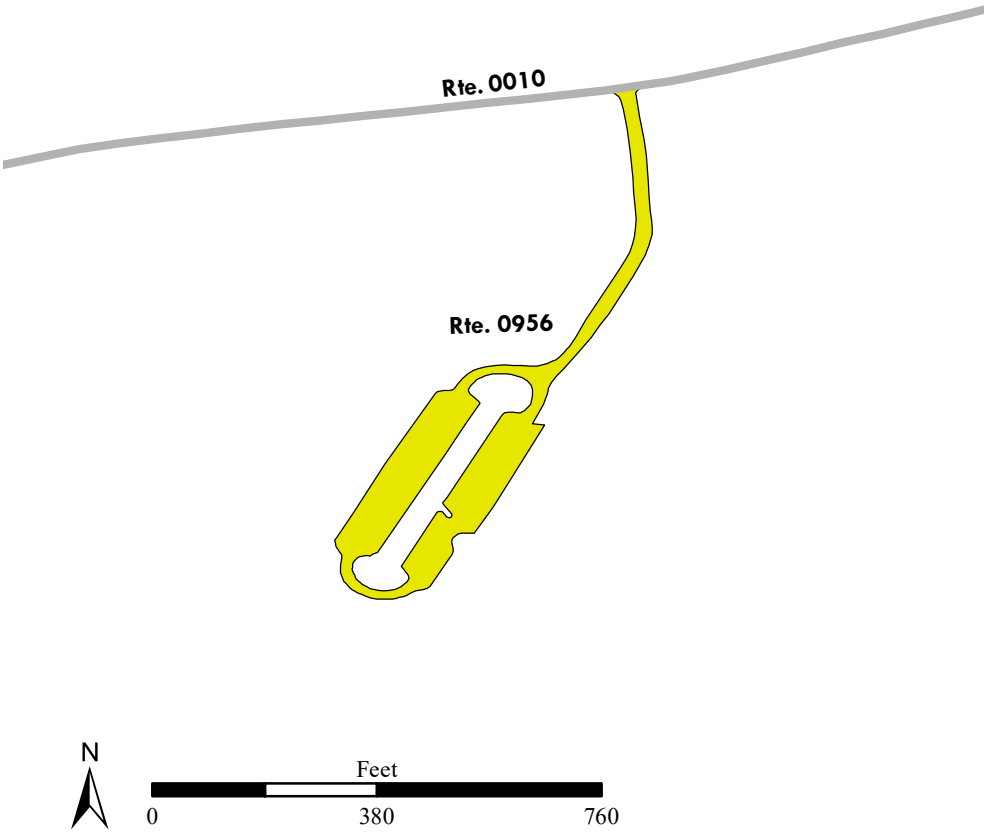
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	31138	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
50,991	0.878	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0957: SOUTH CONTACT STATION

Manual Rating

FROM ROUTE 0014 (U.S. HIGHWAY 209) AT MP 0.26 ON RIGHT

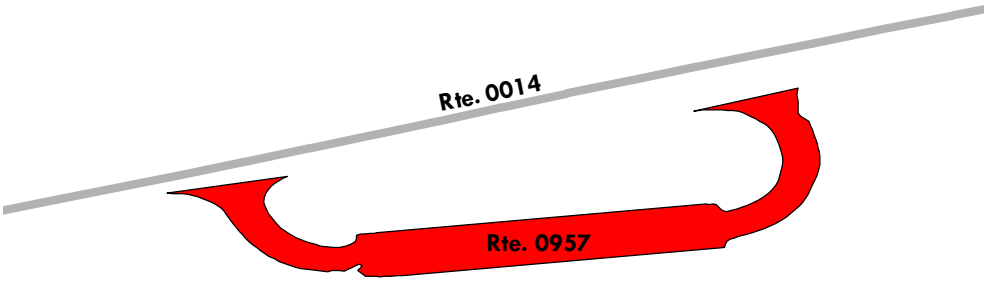
TO ROUTE 0014 (U.S. HIGHWAY 209) AT MP 0.27 ON RIGHT

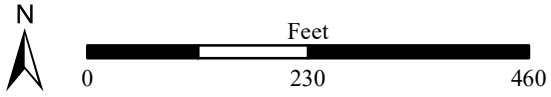
Inspection Date	FMSS Number	User Access	Surface Type
7/10/2018	49498	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
23,309	0.401	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0958: DINGMANS SCHOOL PARKING AREA

Manual Rating

FROM END OF ROUTE 0114 (SCHOOL HOUSE ROAD)

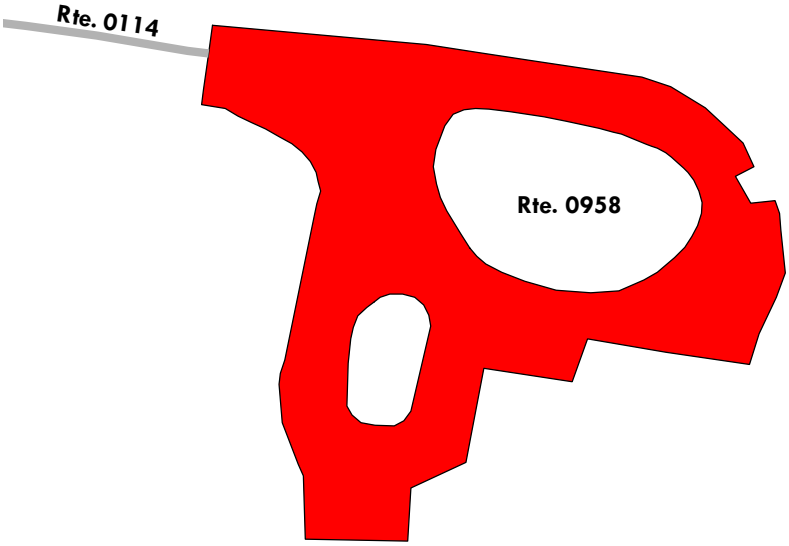
TO PARKING

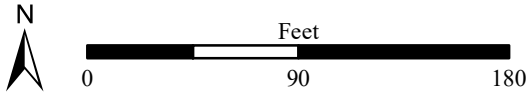
Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	41656	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
17,421	0.3	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0961: BLUE MOUNTAIN LAKE RECREATION SITE PARKING

Manual Rating

FROM ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 1.29 ON LEFT

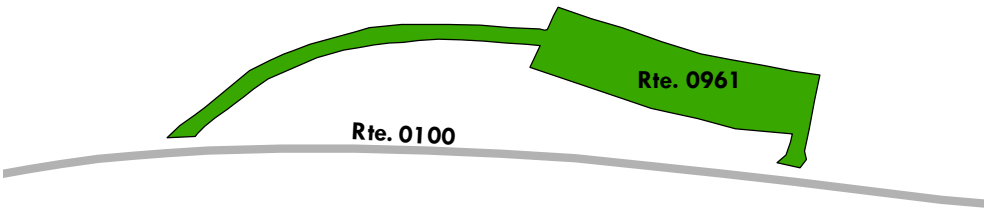
TO ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD) AT MP 1.37 ON LEFT

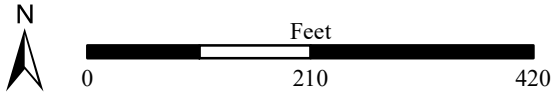
Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	29477	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
16,800	0.289	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





Delaware Water Gap National Recreation Area

ROUTE 0963: DINGMAN'S MAINTENANCE POLE BARN PARKING

Manual Rating

FROM ROUTE 0114 (SCHOOL HOUSE ROAD) AT MP 0.10 ON LEFT

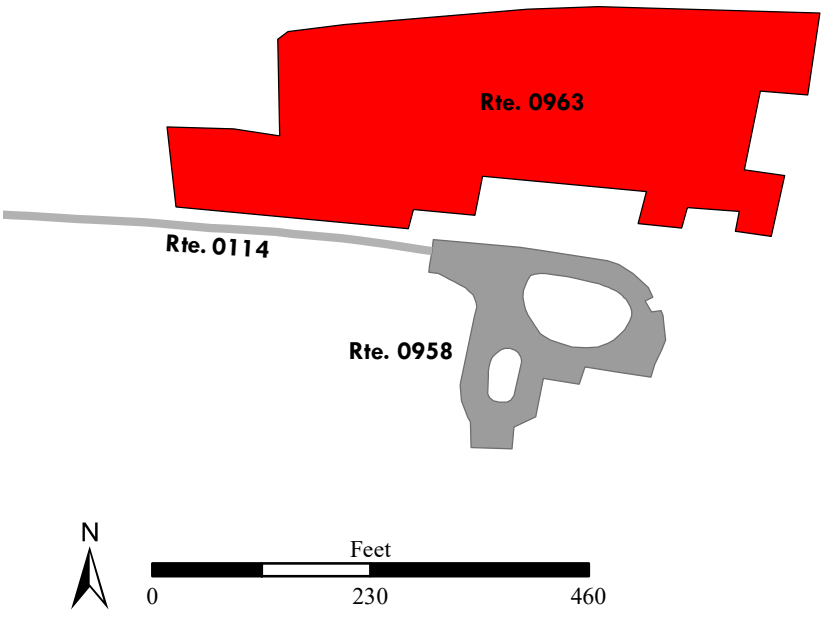
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
7/9/2018	41635	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
88,963	1.532	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Delaware Water Gap National Recreation Area

ROUTE 0980: TURTLE BEACH PARKING

Manual Rating

FROM ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION)) AT MP 0.94 ON LEFT

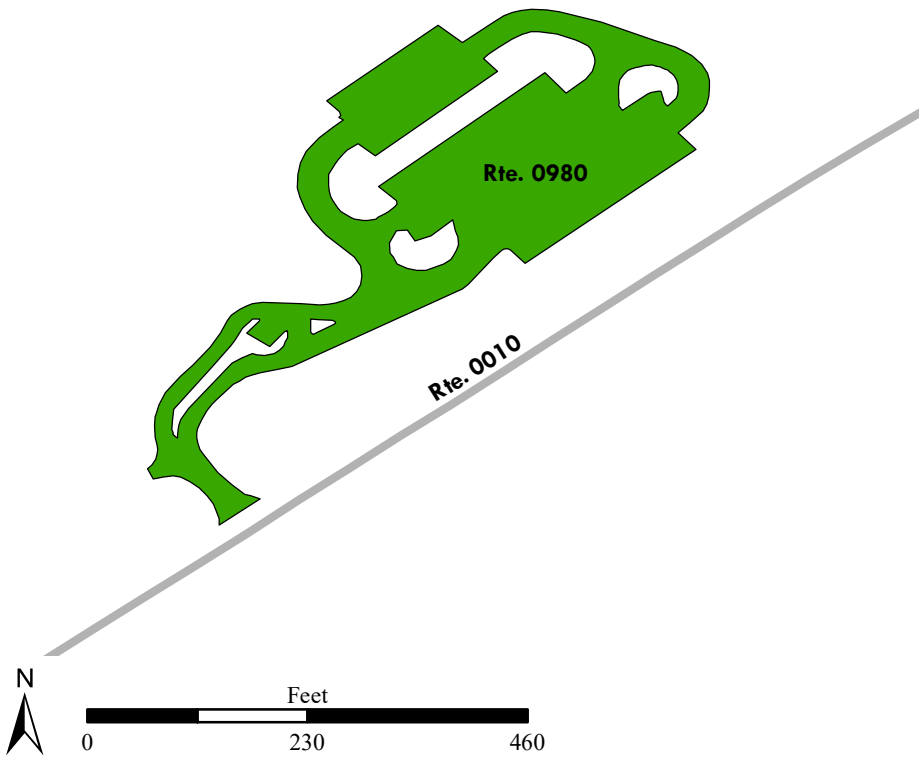
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
6/11/2018	101750	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
63,682	1.096	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Section 7
Road Milepost Information

Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Road Milepost Information

This report section contains road milepost information for all paved roads in the park that were collected with the Data Collection Vehicle (DCV). The milepost data is obtained from the DCV by using a distance measuring instrument (DMI) that is calibrated to record mileage to the nearest thousandth of a mile. Park roads that were manually rated did not have milepost data collected, and thus are not included in this report section.

For Cycle 6, the information presented in this section differs from previous RIP cycles in that it does not contain the roadside features inventories for the paved park roads. Some examples of the features previously collected are signs, culverts/drop inlets, guardrails, curbing, pullouts, etc. If the park was collected in a previous RIP cycle, then the latest features data can be obtained by referencing the following:

Where to find the latest Features Inventories for NPS Parks:

- For Small Parks (parks with less than 10 miles of paved roads):
  - Refer to Cycle 5 data (collected 2010 - 2014)
    - Features were reported in Section 9 of the ***Cycle 5*** RIP report
    - Video of features can be viewed using the ***PathViewVO*** program and ***Cycle 5*** data

- For Large Parks (parks with more than 10 miles of paved roads):
  - Refer to Cycle 4 data (collected 2006 - 2009)
    - Features were reported in Section 9 of the ***Cycle 4*** RIP report
    - Video of features can be viewed using the ***VisiData*** program and ***Cycle 4*** data
  - Note: Features inventories were updated in Large Parks in ***Cycle 5*** only on a route by route basis if the route was new or modified in ***Cycle 5***. If this is the case for a particular route, then features for the route can be obtained using the ***PathViewVO*** program and ***Cycle 5*** data (same as above for Small parks).

Milepost Events Verified in Cycle 6

In Cycle 6, the following events were collected and reported in Section 7 of this report:

- Intersections with roads and parking areas
- All bridges and culverts with BIP Numbers (bridge inspection program numbers)
- Mile Marker Signs
- One-Way travel directions
- Overpasses
- Tunnels
- Low Water Crossings (LWCR)
- Surface type changes
- Construction areas where no pavement condition data was obtained

GPS Mileage Matching

A consistent survey milepost and constant route length as recorded by the Data Collection Vehicle (DCV) is a challenge to maintain from one collection cycle to the next. The challenge is due to many factors such as driver characteristics, DMI calibration, tire pressure etc. After Cycle 4 (~2010), a decision was made to hold constant the length of roads so long as there was no physical change from reconstruction projects or realignments that would result in a change to the length of a road. Consequently, the "GPS Mileage Match" was implemented to specify which cycle the route length is being matched. Route mileages and GPS are matched to a previous collection whenever there is no physical change to a route alignment. The route mileage and GPS is not matched to previous cycles whenever it is determined that a road length and GPS needs to be updated. When this happens the GPS and length is updated to the cycle that displays the change, and that collection cycle is used as the matching cycle in subsequent collections of the road. Thus, the Cycle 6 GIS could be either the survey length collected in Cycle 4, Cycle 5, or Cycle 6 and therefore, may not match the survey milepost displayed in the latest Cycle 6 DCV video which is viewable in ***PathView VO***.

The features inventories and road logs collected on NPS routes contain mileposts that are determined from the corresponding cycle that the GPS is matched to. Therefore, the mileposts contained in the Cycle 4 or 5 features inventories or the Cycle 6 road logs may not exactly match the survey milepost collected in the latest Cycle 6 video of the road.

Locating Mile Marker Signs

For routes that have mile marker signs along them, the milepost reported by RIP will most likely not line up exactly with the sign located in the field. This could be happening for many reasons, most likely due to either the error falling within the acceptable calibration range of the vehicle, or the level of accuracy that the mile marker signs were placed in the field.

Because mile marker signs are important features in many project plans and location descriptions, RIP is reporting locations of mile marker signs in three ways in Cycle 6:

1. Mileposts from Cycle 6 GIS: the official RIP milepost taken from the features inventories and the matching GPS/mileage cycle as described above. This is the milepost that should be used on project plans and when finding locations in the field

2. Mileposts from Cycle 6 Video: milepost shown to help locate the mile marker sign in the latest ***PathView VO*** video.

3. Latitude / Longitude: a constant way of locating a mile marker sign so long as the park has not moved the sign

The mileposts from Cycle 6 Video and GIS should be nearly the same, but on longer roads it has been observed that the Video milepost deviates more from the official GIS milepost that comes from the matching cycle.

DEWA: Route Milepost Log

ROUTE 0010: OLD MINE ROAD (SOUTH SECTION)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	SOUTH NRA BOUNDARY
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (OLD MINE ROAD)
0.01	0.01	MILE MARKER	R	MILE MARKER 6
0.64	0.64	INTERSECTION	L	UNPAVED ROUTE (GATED)
0.73	0.73	INTERSECTION	L	UNPAVED ROUTE (GATED)
0.81	0.81	INTERSECTION	R	UNPAVED ROUTE (GATED)
0.82	0.82	INTERSECTION	L	PAVED PARKING
0.89	0.89	INTERSECTION	L	UNPAVED ROUTE
1.02	1.02	MILE MARKER	R	MILE MARKER 7
1.55	1.55	INTERSECTION	R	UNPAVED ROUTE (GATED/EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.63	1.63	INTERSECTION	L	ROUTE 0901 (COPPER MINE PARKING)
1.92	1.92	INTERSECTION	L	ROUTE 0900BZ (POXONO BOAT LAUNCH UPPER PARKING)
2.03	2.03	MILE MARKER	R	MILE MARKER 8
2.75	2.75	INTERSECTION	R	UNPAVED ROUTE
2.99	2.99	INTERSECTION	L	UNPAVED PARKING (HISTORIC BUILDING/NON NPS)
3.03	3.03	MILE MARKER	R	MILE MARKER 9
3.41	3.41	INTERSECTION	R	UNPAVED ROUTE (NON NPS)
3.51	3.51	INTERSECTION	L	PAVED ROUTE (NON NPS)
3.55	3.55	INTERSECTION	L	ROUTE 0200 (CAMP DEPEW ACCESS ROAD)
3.67	3.68	BRIDGE	N/A	4320-041 (VAN CAMPENS GLEN BRIDGE)
3.70	3.70	INTERSECTION	L	PAVED ROUTE (HAMILTON ROAD/NON NPS)
3.77	3.77	INTERSECTION	R	UNPAVED ROUTE (VAN CAMPEN ROAD)
4.03	4.03	MILE MARKER	R	MILE MARKER 10 (LOCATION NOT VERIFIED IN VIDEO)
4.62	4.62	INTERSECTION	L	UNPAVED ROUTE (UPPER GLEN TRAILHEAD)
4.67	4.67	INTERSECTION	R	ROUTE 0209 (CUTOFF ROAD)
5.03	5.03	INTERSECTION	R	UNPAVED ROUTE (ELECTRICAL/TELEPHONE LINE ACCESS)
5.05	5.05	MILE MARKER	R	MILE MARKER 11
5.51	5.51	INTERSECTION	R	ROUTE 0956 (WATERGATE PARKING & ENTRANCE ROAD)

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0010: OLD MINE ROAD (SOUTH SECTION)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.61	5.61	INTERSECTION	R	UNPAVED ROUTE (GATED)
5.95	5.95	INTERSECTION	R	UNPAVED ROUTE
5.97	5.97	INTERSECTION	R	ROUTE 0109 (NPS 602)
5.99	5.99	INTERSECTION	R	ROUTE 0955 (MILLBROOK VILLAGE PARKING)
6.06	6.06	INTERSECTION	R	ROUTE 0955 (MILLBROOK VILLAGE PARKING)
6.59	6.59	INTERSECTION	L	PAVED ROUTE (RIDGE ROAD)
7.49	7.49	INTERSECTION	R	ROUTE 0100 (BLUE MOUNTAIN LAKE ROAD)
7.54	7.54	INTERSECTION	R	UNPAVED ROUTE (DELAWARE VIEW HOUSE GENERAL STORE)
7.85	7.85	INTERSECTION	L	UNPAVED ROUTE
7.99	7.99	INTERSECTION	L	ROUTE 0416 (RIVERS BEND ACCESS ROAD)
8.10	8.12	BRIDGE	N/A	4320-021 (MILL BROOK ROAD FLAT BROOK BRIDGE)
8.13	8.13	INTERSECTION	R	ROUTE 0113 (NPS ROUTE 615)
8.36	8.36	INTERSECTION	L	UNPAVED ROUTE
8.89	8.89	INTERSECTION	L	UNPAVED PARKING (OLD MINE ROAD HISTORICAL PLAQUE)
8.90	8.90	INTERSECTION	L	UNPAVED ROUTE (GATED)
9.65	9.65	INTERSECTION	L	UNPAVED ROUTE
10.01	10.01	INTERSECTION	R	UNPAVED ROUTE (GATED/BLUNT LANE)
10.62	10.62	INTERSECTION	L	PAVED ROUTE (HERCULES ROD AND GUN CLUB/NON NPS)
11.53	11.53	INTERSECTION	L	UNPAVED ROUTE (JENNINGS LANE)
13.47	13.47	INTERSECTION	L	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))
13.47	13.47	INTERSECTION	N/A	ROUTE 0110 (POMPEY RIDGE ROAD)

DEWA: Route Milepost Log

ROUTE 0011: KUHN ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0113 (NPS ROUTE 615)
0.00	0.00	INTERSECTION	R	ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (BEVANS ROAD/COUNTY ROUTE 615/NON NPS)
0.01	0.01	INTERSECTION	R	PAVED PARKING (PETERS VALLEY STORE AND GALLERY/NON NPS)
0.02	0.02	INTERSECTION	L	PAVED PARKING (PETERS VALLEY CRAFTS CENTER/NON NPS)
0.69	0.69	INTERSECTION	L	UNPAVED ROUTE (THUNDER MOUNTAIN ROAD)
0.79	0.79	INTERSECTION	L	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))
0.79	0.79	INTERSECTION	R	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))

ROUTE 0012: PETERS VALLEY - WAGONWHEEL ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0113 (NPS ROUTE 615)
0.00	0.00	INTERSECTION	L	ROUTE 0011 (KUHN ROAD)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (BEVANS ROAD/COUNTY ROUTE 615/NON NPS)
0.06	0.06	INTERSECTION	L	PAVED PARKING (PETERS VALLEY CRAFT VILLAGE/NON NPS)
0.61	0.61	INTERSECTION	L	UNPAVED ROUTE (ENNIS ROAD)
1.06	1.06	INTERSECTION	L	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))
1.08	1.08	INTERSECTION	N/A	ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))

DEWA: Route Milepost Log

ROUTE 0013: NATIONAL PARK DRIVE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (NORTH DELAWARE DRIVE/SR 611/NON NPS)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (NORTH DELAWARE DRIVE/SR 611/NON NPS)
0.04	0.06	BRIDGE	N/A	4320-001 (SLATEFORD FARM BRIDGE)
0.56	0.56	INTERSECTION	R	ROUTE 0951 (DUCK POND PARKING)
0.61	0.61	INTERSECTION	R	ROUTE 0951 (DUCK POND PARKING)
0.64	0.64	INTERSECTION	L	UNPAVED ROUTE
0.65	0.65	INTERSECTION	R	ROUTE 0951 (DUCK POND PARKING)
0.82	0.82	INTERSECTION	L	PAVED ROUTE (NATIONAL PARK DRIVE/NON NPS)
0.83	0.83	INTERSECTION	N/A	ROUTE 0013 (NATIONAL PARK DRIVE)

DEWA: Route Milepost Log

ROUTE 0014: U.S. HIGHWAY 209

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	SOUTH NRA BOUNDARY
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (MILFORD ROAD/US ROUTE 209/NON NPS)
0.13	0.13	INTERSECTION	R	UNPAVED ROUTE (RANGER STATION)
0.26	0.26	INTERSECTION	R	ROUTE 0957 (SOUTH CONTACT STATION)
0.37	0.37	INTERSECTION	R	ROUTE 0957 (SOUTH CONTACT STATION)
0.80	0.80	CULVERT	N/A	4320-008 (CULVERT AT 0.80 MILE POINT)
0.82	0.82	INTERSECTION	R	PAVED ROUTE (COMMUNITY DRIVE/NON NPS)
1.02	1.02	MILE MARKER	R	MILE MARKER 1
1.07	1.07	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.11	1.11	INTERSECTION	R	ROUTE 0960 (VISITOR CENTER PARKING)
1.15	1.15	INTERSECTION	R	ROUTE 0960 (VISITOR CENTER PARKING)
1.17	1.17	INTERSECTION	R	ROUTE 0960 (VISITOR CENTER PARKING)
1.22	1.32	CONSTRUCTION	N/A	N/A
1.23	1.23	INTERSECTION	R	PAVED PARKING (NON NPS)
1.27	1.30	BRIDGE	N/A	4320-009 (BUSHKILL CREEK BRIDGE)
1.31	1.31	INTERSECTION	L	PAVED ROUTE (CREEK ROAD/NON NPS)
1.33	1.33	INTERSECTION	L	UNPAVED PARKING (BUSHKILL GENERAL STORE)
1.41	1.41	INTERSECTION	L	PAVED ROUTE (BUSHKILLS FALLS ROAD/NON NPS)
1.49	1.49	INTERSECTION	R	UNPAVED PARKING (BUSHKILL OUTREACH)
1.54	1.54	INTERSECTION	L	PAVED ROUTE (CHURCH LANE/NON NPS)
2.03	2.03	MILE MARKER	L	MILE MARKER 2
2.03	2.03	MILE MARKER	R	MILE MARKER 2
2.07	2.07	INTERSECTION	L	ROUTE 0211 (BECK ROAD)
2.61	2.61	INTERSECTION	L	PAVED ROUTE (BRODHEAD ROAD/NON NPS)
2.76	2.76	INTERSECTION	R	ROUTE 0910 (BUSHKILL ACCESS PARKING)
3.03	3.03	MILE MARKER	R	MILE MARKER 3
4.02	4.02	INTERSECTION	R	UNPAVED ROUTE (VALLEY VIEW GROUP CAMPGROUND)
4.02	4.02	INTERSECTION	L	UNPAVED PARKING
4.04	4.04	MILE MARKER	R	MILE MARKER 4

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0014: U.S. HIGHWAY 209

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.31	4.31	INTERSECTION	L	PAVED ROUTE (LITTLE EGYPT ROAD/NON NPS)
4.54	4.54	INTERSECTION	R	UNPAVED ROUTE (TO THE DELAWARE RIVER)
4.86	4.87	BRIDGE	N/A	4320-049 (TOMS CREEK BRIDGE)
4.95	4.95	INTERSECTION	R	UNPAVED PARKING
5.08	5.08	MILE MARKER	R	MILE MARKER 5
5.22	5.22	INTERSECTION	L	PAVED ROUTE (EGYPT MILLS ROAD/NON NPS)
5.88	5.88	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
6.07	6.07	MILE MARKER	R	MILE MARKER 6
6.50	6.50	INTERSECTION	L	UNPAVED ROUTE
6.51	6.51	INTERSECTION	R	ROUTE 0226 (ESHBACH BOAT LAUNCH ACCESS)
6.57	6.57	INTERSECTION	L	UNPAVED ROUTE
7.10	7.10	MILE MARKER	R	MILE MARKER 7
7.33	7.33	INTERSECTION	R	UNPAVED PARKING
7.41	7.41	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
7.69	7.69	CULVERT	N/A	4320-023 (CULVERT AT 7.80 MILE POINT)
8.06	8.06	MILE MARKER	L	MILE MARKER 8
8.06	8.06	MILE MARKER	R	MILE MARKER 8
8.21	8.21	INTERSECTION	R	UNPAVED ROUTE
8.32	8.32	INTERSECTION	L	PAVED ROUTE (BRISCO MOUNTAIN ROAD (PEEC)/NON NPS)
8.87	8.87	INTERSECTION	R	UNPAVED ROUTE
9.10	9.10	MILE MARKER	R	MILE MARKER 9
9.97	9.97	INTERSECTION	L	UNPAVED ROUTE (MAINTENANCE SALT AND GRAVEL SHED)
9.98	9.98	INTERSECTION	L	UNPAVED ROUTE (MAINTENANCE SALT AND GRAVEL SHED) SPUR
10.01	10.01	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
10.10	10.10	MILE MARKER	R	MILE MARKER 10
10.75	10.75	CULVERT	N/A	4320-011 (HORNBECKS CREEK CULVERT)

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0014: U.S. HIGHWAY 209

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
10.78	10.78	INTERSECTION	L	ROUTE 0244 (CHESTNUT RIDGE ROAD)
11.11	11.11	MILE MARKER	L	MILE MARKER 11
11.11	11.11	MILE MARKER	R	MILE MARKER 11
11.16	11.16	INTERSECTION	R	UNPAVED PARKING
11.69	11.69	INTERSECTION	R	UNPAVED ROUTE
12.11	12.11	MILE MARKER	L	MILE MARKER 12
12.11	12.11	MILE MARKER	R	MILE MARKER 12
12.40	12.40	INTERSECTION	R	ROUTE 0235 (DINGMAN'S CAMPGROUND ENTRY DRIVE)
12.51	12.51	INTERSECTION	L	UNPAVED ROUTE
12.63	12.63	INTERSECTION	R	ROUTE 0916 (DINGMAN'S MAINTENANCE FACILITY PARKING)
12.67	12.67	INTERSECTION	L	PAVED ROUTE (WILSON HILL ROAD/NON NPS)
12.80	12.80	INTERSECTION	R	ROUTE 0114 (SCHOOL HOUSE ROAD)
13.03	13.03	INTERSECTION	R	ROUTE 0422BZ (JOHNNY BEE ROAD SPUR)
13.03	13.03	INTERSECTION	L	ROUTE 0112AZ (JOHNNY BEE ROAD)
13.06	13.07	BRIDGE	N/A	4320-012 (DINGMANS CREEK BRIDGE)
13.12	13.12	MILE MARKER	R	MILE MARKER 13
13.21	13.21	INTERSECTION	R	PAVED ROUTE (SR 739 (MOSIER KNOB ROAD)/NON NPS)
13.21	13.21	INTERSECTION	L	PAVED ROUTE (SR 739 (MOSIER KNOB ROAD) NON NPS)
13.41	13.41	INTERSECTION	R	UNPAVED PARKING (PHOENIX ANTIQUES CRAFTS AND GIFTS)
13.43	13.43	INTERSECTION	L	UNPAVED ROUTE (DELAWARE CEMETERY)
13.43	13.43	INTERSECTION	R	UNPAVED PARKING (PHOENIX ANTIQUES CRAFTS AND GIFTS)
13.57	13.57	INTERSECTION	L	UNPAVED ROUTE (DELAWARE CEMETERY)
14.13	14.13	MILE MARKER	R	MILE MARKER 14
14.36	14.36	INTERSECTION	R	UNPAVED ROUTE (GATED)
14.39	14.40	BRIDGE	N/A	4320-013 (ADAMS CREEK BRIDGE)
14.53	14.53	INTERSECTION	L	UNPAVED PARKING (TRAILHEAD)
14.65	14.65	INTERSECTION	R	UNPAVED ROUTE
14.94	14.94	INTERSECTION	L	UNPAVED ROUTE (GATED)

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0014: U.S. HIGHWAY 209

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
15.14	15.14	MILE MARKER	R	MILE MARKER 15
15.82	15.82	INTERSECTION	R	UNPAVED ROUTE
16.01	16.01	INTERSECTION	L	ROUTE 0405 (ZIMMERMAN FARM ACCESS ROAD)
16.16	16.16	MILE MARKER	R	MILE MARKER 16
17.02	17.02	INTERSECTION	L	ROUTE 0405 (ZIMMERMAN FARM ACCESS ROAD)
17.19	17.19	MILE MARKER	R	MILE MARKER 17
17.19	17.19	MILE MARKER	L	MILE MARKER 17
17.39	17.39	INTERSECTION	L	UNPAVED ROUTE
17.78	17.78	INTERSECTION	L	UNPAVED ROUTE
18.11	18.11	INTERSECTION	R	UNPAVED ROUTE
18.17	18.18	BRIDGE	N/A	4320-014 (RAYMONDSKILL CREEK BRIDGE)
18.19	18.19	INTERSECTION	L	PAVED ROUTE (SR 2009/NON NPS)
18.20	18.20	MILE MARKER	R	MILE MARKER 18
18.75	18.75	INTERSECTION	L	UNPAVED PARKING
18.89	18.89	INTERSECTION	L	UNPAVED PARKING
19.04	19.04	INTERSECTION	R	UNPAVED ROUTE (GATED)
19.21	19.21	MILE MARKER	R	MILE MARKER 19
19.29	19.29	INTERSECTION	R	UNPAVED ROUTE (FLYING HAWKS RADIO CONTROL AREA)
19.50	19.50	INTERSECTION	L	UNPAVED ROUTE
19.87	19.87	INTERSECTION	R	UNPAVED ROUTE (GATED)
20.20	20.20	MILE MARKER	R	MILE MARKER 20
20.31	20.31	INTERSECTION	L	ROUTE 0953 (NORTH CONTACT STATION)
20.39	20.39	INTERSECTION	L	ROUTE 0953 (NORTH CONTACT STATION)
20.50	20.50	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
20.56	20.56	INTERSECTION	R	PAVED ROUTE (HIGHWAY 206) SPUR
20.59	20.59	INTERSECTION	R	PAVED ROUTE (HIGHWAY 206)
20.68	20.68	INTERSECTION	R	PAVED ROUTE (HIGHWAY 206) SPUR
20.75	20.75	INTERSECTION	R	PAVED PARKING (GATED/AUTHORIZED USE ONLY)

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0014: U.S. HIGHWAY 209

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
20.82	20.82	INTERSECTION	L	PAVED ROUTE (MILFORD CEMETERY)
20.88	20.88	INTERSECTION	L	PAVED ROUTE (OLD BRIDGE ROAD)
20.88	20.88	INTERSECTION	R	PAVED ROUTE (METZ ROAD/NON NPS)
20.99	20.99	INTERSECTION	R	PAVED ROUTE (MILFORD BEACH ROAD/NON NPS)
21.00	21.00	MILE MARKER	R	MILE MARKER 21 (LOCATION NOT VERIFIED IN VIDEO)
21.01	21.05	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
21.05	21.05	INTERSECTION	N/A	PAVED ROUTE (US ROUTE 209/NON NPS)
21.05	21.05	PARK BOUNDARY	N/A	NORTH NRA BOUNDARY

DEWA: Route Milepost Log

ROUTE 0015: OLD MINE ROAD (NORTH SECTION)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))
0.00	0.00	INTERSECTION	N/A	ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)
0.67	0.67	INTERSECTION	R	ROUTE 0103 (OLD DINGMANS BRIDGE ROAD)
0.86	0.86	INTERSECTION	L	PAVED ROUTE (SR 560/NON NPS)
0.86	0.86	INTERSECTION	R	PAVED ROUTE (SR 560/NON NPS)
1.16	1.16	INTERSECTION	L	PAVED ROUTE (METTLER ROAD/NON NPS)
1.71	1.71	INTERSECTION	L	UNPAVED PARKING (CEMETERY)
2.16	2.16	INTERSECTION	R	ROUTE 0107 (FISHER SCHOOL HOUSE ROAD)
3.46	3.46	INTERSECTION	L	UNPAVED ROUTE
4.24	4.24	INTERSECTION	R	ROUTE 0106 (JAGER ROAD)
4.65	4.65	INTERSECTION	L	UNPAVED ROUTE (PENN AVENUE)
4.79	4.79	INTERSECTION	L	UNPAVED ROUTE
5.16	5.16	INTERSECTION	L	UNPAVED ROUTE (WESTBROOK BELL HOUSE PLAQUE/ EMERGENCY AND AUTHORIZED VEHICLES ONLY)
5.17	5.17	INTERSECTION	L	UNPAVED ROUTE (WESTBROOK BELL HOUSE PLAQUE/ EMERGENCY AND AUTHORIZED VEHICLES ONLY) SPUR
5.35	5.35	INTERSECTION	R	UNPAVED ROUTE (VAN ETTEN ROAD)
6.18	6.18	INTERSECTION	L	UNPAVED ROUTE
7.34	7.34	INTERSECTION	L	UNPAVED ROUTE (PINE ROAD)
7.56	7.56	INTERSECTION	L	UNPAVED ROUTE (LAUREL LANE)
7.56	7.57	BRIDGE	N/A	4320-016 (OLD MINE ROAD BRIDGE)
7.58	7.58	INTERSECTION	R	PAVED ROUTE (SR 206/NON NPS)
7.58	7.58	INTERSECTION	L	PAVED ROUTE (SR 206/NON NPS)

DEWA: Route Milepost Log

ROUTE 0100: BLUE MOUNTAIN LAKE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.00	0.00	INTERSECTION	L	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.02	0.02	INTERSECTION	L	UNPAVED ROUTE (DELAWARE VIEW HOUSE GENERAL STORE)
0.57	0.57	INTERSECTION	R	UNPAVED ROUTE (GATED/EMERGENCY AND AUTHORIZED VEHICLES ONLY)
0.57	0.57	INTERSECTION	L	UNPAVED ROUTE (GATED/EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.29	1.29	INTERSECTION	L	ROUTE 0961 (BLUE MOUNTAIN LAKE RECREATION SITE PARKING)
1.37	1.37	INTERSECTION	L	ROUTE 0961 (BLUE MOUNTAIN LAKE RECREATION SITE PARKING)
1.42	1.42	INTERSECTION	L	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.89	1.89	INTERSECTION	R	UNPAVED ROUTE (GATED/EMERGENCY AND AUTHORIZED VEHICLES ONLY)
2.80	2.80	INTERSECTION	L	UNPAVED ROUTE (YMCA OUTDOOR CENTER/LONG POND DRIVE)
2.83	2.83	INTERSECTION	L	UNPAVED ROUTE (YMCA OUTDOOR CENTER/LONG POND DRIVE) SPUR
2.88	2.88	PARK BOUNDARY	N/A	EAST NRA BOUNDARY
2.88	2.88	INTERSECTION	L	ROUTE 0403 (SKYLINE DRIVE)
2.88	2.88	INTERSECTION	N/A	PAVED ROUTE (GATED/FAIRVIEW LAKE ROAD/NON NPS)

DEWA: Route Milepost Log

ROUTE 0105: RIVER ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (RIVER ROAD/HIGHWAY 2028/NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	WEST NRA BOUNDARY
0.07	0.07	INTERSECTION	R	UNPAVED ROUTE (HIGHLEA PICNIC AREA)
1.15	1.15	INTERSECTION	R	UNPAVED ROUTE (GATED)
1.74	1.74	INTERSECTION	R	ROUTE 0233CZ (SMITHFIELD BEACH ACCESS ROAD)
2.07	2.07	INTERSECTION	R	UNPAVED ROUTE (GATED)
2.45	2.45	INTERSECTION	R	UNPAVED ROUTE (MODEL AIRPLANE CLUB)
2.81	2.81	INTERSECTION	R	UNPAVED ROUTE (GATED)
2.83	2.83	INTERSECTION	L	UNPAVED ROUTE (ZION CHURCH ROAD/NON NPS)
3.88	3.88	INTERSECTION	R	UNPAVED PARKING (MCDADE TRAIL)
4.07	4.07	INTERSECTION	R	UNPAVED ROUTE
4.21	4.21	INTERSECTION	R	UNPAVED ROUTE
4.47	4.47	INTERSECTION	R	UNPAVED PARKING (MCDADE TRAIL)
4.87	4.87	INTERSECTION	R	UNPAVED ROUTE (RIVER ROAD N)
5.34	5.34	INTERSECTION	R	UNPAVED ROUTE
5.45	5.45	INTERSECTION	R	UNPAVED ROUTE
5.61	5.61	INTERSECTION	R	ROUTE 0905 (HEADQUARTERS PARKING)
5.65	5.65	INTERSECTION	R	ROUTE 0423 (HEADQUARTER SERVICE ROAD)
5.67	5.67	INTERSECTION	L	ROUTE 0915 (BUSHKILL MAINTENANCE AREA)
5.79	5.79	INTERSECTION	L	PAVED ROUTE (HIDDEN LAKE DRIVE/NON NPS)
5.82	5.82	INTERSECTION	R	PAVED ROUTE (COMMUNITY DRIVE/NON NPS)
5.89	5.89	INTERSECTION	N/A	PAVED ROUTE (RIVER ROAD/HIGHWAY 2028/NON NPS)
5.89	5.89	PARK BOUNDARY	N/A	WEST NRA BOUNDARY

DEWA: Route Milepost Log

ROUTE 0106: JAGER ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))
0.00	0.00	INTERSECTION	R	ROUTE 0015 (OLD MINE ROAD (NORTH SECTION))
0.68	0.68	INTERSECTION	N/A	PAVED ROUTE (JAGER ROAD/NON NPS)
0.68	0.68	PARK BOUNDARY	N/A	EAST NRA BOUNDARY

ROUTE 0109: NPS 602

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.00	0.00	INTERSECTION	N/A	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.03	0.03	INTERSECTION	R	UNPAVED ROUTE (MILLBROOK VILLAGE)
0.03	0.03	INTERSECTION	L	UNPAVED ROUTE (MILLBROOK VILLAGE)
0.06	0.07	BRIDGE	N/A	4320-042 (MILLBROOK VILLAGE BRIDGE)
0.07	0.07	INTERSECTION	R	UNPAVED ROUTE
0.12	0.12	INTERSECTION	L	UNPAVED ROUTE
0.80	0.80	INTERSECTION	L	UNPAVED PARKING
0.80	0.80	INTERSECTION	R	ROUTE 0209 (CUTOFF ROAD)
1.10	1.10	INTERSECTION	L	UNPAVED PARKING
1.20	1.20	INTERSECTION	R	UNPAVED ROUTE (GATED/EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.32	1.32	MILE MARKER	R	MILE MARKER 6
1.57	1.57	INTERSECTION	L	UNPAVED ROUTE (SAND POND ROAD)
1.73	1.73	INTERSECTION	N/A	PAVED ROUTE (MILBROOK ROAD/NON NPS)
1.73	1.73	PARK BOUNDARY	N/A	EAST NRA BOUNDARY

DEWA: Route Milepost Log

ROUTE 0110: POMPEY RIDGE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0113 (NPS ROUTE 615)
0.00	0.00	INTERSECTION	N/A	ROUTE 0113 (NPS ROUTE 615)
0.35	0.35	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
1.12	1.12	INTERSECTION	N/A	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
1.12	1.12	INTERSECTION	R	ROUTE 0101 (OLD MINE ROAD (UNPAVED SECTION))

ROUTE 0112AZ: JOHNNY BEE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0422BZ (JOHNNY BEE ROAD SPUR)
0.00	0.00	INTERSECTION	L	ROUTE 0014 (U.S. HIGHWAY 209)
0.00	0.00	INTERSECTION	R	ROUTE 0014 (U.S. HIGHWAY 209)
0.48	0.48	INTERSECTION	N/A	ROUTE 0112AZ (JOHNNY BEE ROAD) CLOSED SECTION
0.48	0.48	INTERSECTION	R	ROUTE 0218 (DINGMANS FALLS ROAD)

DEWA: Route Milepost Log

ROUTE 0113: NPS ROUTE 615

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.00	0.00	INTERSECTION	N/A	ROUTE 0010 (OLD MINE ROAD (SOUTH SECTION))
0.50	0.50	INTERSECTION	R	UNPAVED ROUTE
0.98	0.98	MILE MARKER	R	MILE MARKER 1
1.98	1.98	MILE MARKER	R	MILE MARKER 2
2.92	2.92	INTERSECTION	L	UNPAVED ROUTE (HANEY DRIVE)
2.98	2.98	MILE MARKER	R	MILE MARKER 3
2.99	2.99	MILE MARKER	R	MILE MARKER 3
3.08	3.08	INTERSECTION	R	UNPAVED ROUTE
3.20	3.20	INTERSECTION	R	UNPAVED ROUTE
3.74	3.74	INTERSECTION	R	PAVED ROUTE (HANEY'S MILL ROAD/NON NPS)
3.98	3.98	MILE MARKER	R	MILE MARKER 4
3.99	3.99	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
3.99	3.99	MILE MARKER	R	MILE MARKER 4
4.08	4.08	INTERSECTION	R	UNPAVED ROUTE (EMERGENCY AND AUTHORIZED VEHICLES ONLY)
5.00	5.00	MILE MARKER	R	MILE MARKER 5
5.23	5.23	INTERSECTION	L	ROUTE 0110 (POMPEY RIDGE ROAD)
5.32	5.32	INTERSECTION	R	UNPAVED ROUTE (CAMPGROUND/NON NPS)
5.95	5.95	INTERSECTION	R	UNPAVED PARKING (THE WALPACK INN)
5.98	5.98	MILE MARKER	R	MILE MARKER 6
6.02	6.02	INTERSECTION	R	UNPAVED PARKING (THE WALPACK INN)
6.07	6.07	INTERSECTION	R	UNPAVED PARKING (THE WALPACK INN)
6.22	6.22	INTERSECTION	L	ROUTE 0954 (ROE JACOB HOUSE PARKING)
6.32	6.32	INTERSECTION	R	PAVED ROUTE (WALPACK VALLEY ENVIRONMENTAL EDUCATION CENTER/NON NPS)
6.51	6.51	INTERSECTION	R	ROUTE 0600 (MAIN STREET (WALPACK))
7.00	7.00	MILE MARKER	R	MILE MARKER 7
8.01	8.01	MILE MARKER	R	MILE MARKER 8 (LOCATION NOT VERIFIED IN VIDEO)
8.34	8.34	INTERSECTION	R	UNPAVED ROUTE (ROY TRACT BRIDGE/NON NPS)

Data Collected on 6/2018

DEWA: Route Milepost Log

ROUTE 0113: NPS ROUTE 615

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.69	8.69	INTERSECTION	L	UNPAVED PARKING (RIFLE TRAINING AREA)
9.01	9.01	MILE MARKER	R	MILE MARKER 9 (LOCATION NOT VERIFIED IN VIDEO)
9.13	9.13	INTERSECTION	R	UNPAVED ROUTE (WALPACK ROAD)
9.55	9.55	INTERSECTION	R	UNPAVED ROUTE (CEMETERY)
9.67	9.67	INTERSECTION	R	UNPAVED ROUTE (CEMETERY)
9.72	9.72	INTERSECTION	R	PAVED ROUTE (BEVANS ROAD/COUNTY ROAD 615/NON NPS)
9.72	9.72	INTERSECTION	N/A	ROUTE 0012 (PETERS VALLEY - WAGONWHEEL ROAD)
9.72	9.72	INTERSECTION	L	ROUTE 0011 (KUHN ROAD)

ROUTE 0114: SCHOOL HOUSE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0014 (U.S. HIGHWAY 209)
0.00	0.00	INTERSECTION	L	ROUTE 0014 (U.S. HIGHWAY 209)
0.08	0.08	INTERSECTION	R	UNPAVED ROUTE (CONNECTOR ROAD TO ROUTE 0916 (DINGMAN'S MAINTENANCE FACILITY PARKING))
0.10	0.10	INTERSECTION	L	ROUTE 0963 (DINGMAN'S MAINTENANCE POLE BARN PARKING)
0.12	0.12	INTERSECTION	N/A	ROUTE 0958 (DINGMANS SCHOOL PARKING AREA)

DEWA: Route Milepost Log

ROUTE 0115: ICE HOUSE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (MILFORD BEACH ROAD/NON NPS)
0.00	0.00	INTERSECTION	L	PAVED ROUTE (MILFORD BEACH ROAD/NON NPS)
0.04	0.05	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
0.06	0.06	INTERSECTION	L	UNPAVED ROUTE
0.08	0.08	INTERSECTION	R	ROUTE 0116 (MILFORD RIVER ROAD)
0.09	0.09	INTERSECTION	L	UNPAVED ROUTE
0.13	0.13	INTERSECTION	R	ROUTE 0117 (MAPLE LANE)
0.18	0.18	INTERSECTION	N/A	PAVED ROUTE (EAST HARFORD STREET/NON NPS)
0.18	0.18	INTERSECTION	L	PAVED PARKING (NON NPS)
0.18	0.18	INTERSECTION	R	PAVED ROUTE (FRONT STREET/NON NPS)

ROUTE 0218: DINGMANS FALLS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0112AZ (JOHNNY BEE ROAD) CLOSED SECTION
0.00	0.00	INTERSECTION	R	ROUTE 0112AZ (JOHNNY BEE ROAD)
0.10	0.11	BRIDGE	N/A	4320-019 (DINGMANS FALLS ACCESS BRIDGE #1)
0.25	0.26	BRIDGE	N/A	4320-005 (DINGMANS FALLS ACCESS BRIDGE #2)
0.63	0.63	INTERSECTION	N/A	ROUTE 0952 (DINGMANS FALLS VISITOR CENTER)

DEWA: Route Milepost Log

ROUTE 0231: MILFORD BEACH ACCESS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (MILFORD BEACH ROAD/NON NPS)
0.08	0.08	INTERSECTION	L	UNPAVED ROUTE (METCALFE LANE)
0.10	0.10	INTERSECTION	L	ROUTE 0909CZ (MILFORD BEACH ACCESS PARKING)
0.19	0.19	INTERSECTION	L	ROUTE 0909CZ (MILFORD BEACH ACCESS PARKING)
0.22	0.22	INTERSECTION	L	ROUTE 0909BZ (MILFORD BEACH BOAT LAUNCH PARKING)
0.27	0.27	INTERSECTION	L	ROUTE 0231 (MILFORD BEACH ACCESS ROAD)
0.31	0.31	INTERSECTION	R	ROUTE 0909AZ (MILFORD BEACH CANOE LAUNCH PARKING)
0.32	0.32	INTERSECTION	R	ROUTE 0231 (MILFORD BEACH ACCESS ROAD)
0.32	0.32	INTERSECTION	L	ROUTE 0231 (MILFORD BEACH ACCESS ROAD)

ROUTE 0233AZ: SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)
0.00	0.00	INTERSECTION	R	ROUTE 0233CZ (SMITHFIELD BEACH ACCESS ROAD)
0.01	0.01	INTERSECTION	L	ROUTE 0906AZ (SMITHFIELD BEACH PARKING A)
0.02	0.02	INTERSECTION	L	ROUTE 0906AZ (SMITHFIELD BEACH PARKING A)
0.14	0.14	INTERSECTION	L	ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD)
0.15	0.15	ONE-WAY START	N/A	N/A
0.25	0.25	ONE-WAY END	N/A	N/A
0.25	0.25	INTERSECTION	R	ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD)
0.25	0.25	INTERSECTION	L	ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD)

ROUTE 0233BZ: SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0906BZ (SMITHFIELD BEACH PARKING B)
0.04	0.04	INTERSECTION	L	ROUTE 0906AZ (SMITHFIELD BEACH PARKING A)
0.10	0.10	INTERSECTION	L	ROUTE 0906AZ (SMITHFIELD BEACH PARKING A)
0.18	0.18	INTERSECTION	N/A	ROUTE 0233CZ (SMITHFIELD BEACH ACCESS ROAD)
0.18	0.18	INTERSECTION	L	ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD)

ROUTE 0233CZ: SMITHFIELD BEACH ACCESS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0105 (RIVER ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0105 (RIVER ROAD)
0.16	0.16	INTERSECTION	N/A	ROUTE 0233BZ (SMITHFIELD BEACH BOAT LAUNCH PARKING ACCESS)
0.16	0.16	INTERSECTION	R	ROUTE 0233AZ (SMITHFIELD BEACH CANOE LAUNCH ACCESS ROAD)

DEWA: Route Milepost Log

ROUTE 0234: HIDDEN LAKE ACCESS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (HIDDEN LAKE ROAD/NON NPS)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (HIDDEN LAKE ROAD/NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	WEST NRA BOUNDARY
0.02	0.02	INTERSECTION	L	UNPAVED ROUTE
0.04	0.04	INTERSECTION	L	UNPAVED ROUTE SPUR
0.14	0.14	INTERSECTION	L	UNPAVED ROUTE
0.26	0.26	INTERSECTION	L	ROUTE 0907 (HIDDEN LAKE PARKING)
0.32	0.32	INTERSECTION	N/A	ROUTE 0907 (HIDDEN LAKE PARKING)

ROUTE 0237: CLIFF PARK ENTRANCE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))
0.00	0.00	INTERSECTION	L	ROUTE 5005 (PENNSYLVANIA STATE HIGHWAY 2001 (MILFORD ROAD))
0.07	0.07	CULVERT	N/A	N/A
0.10	0.10	CULVERT	N/A	N/A
0.15	0.15	CULVERT	N/A	N/A
0.16	0.16	INTERSECTION	R	UNPAVED PARKING / NON NPS
0.18	0.18	CULVERT	N/A	N/A
0.46	0.46	INTERSECTION	L	PAVED PARKING / NON NPS
0.48	0.48	INTERSECTION	L	PAVED PARKING / NON NPS
0.52	0.52	INTERSECTION	N/A	TO END

ROUTE 0419: BUSHKILL SCHOOL ACCESS ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (CHURCH LANE/NON NPS)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (CHURCH LANE/NON NPS)
0.02	0.02	INTERSECTION	R	PAVED PARKING (VERIZON/NON NPS)
0.12	0.12	INTERSECTION	L	UNPAVED ROUTE (SCHOOLHOUSE ROAD/NON NPS)
0.13	0.13	INTERSECTION	N/A	UNPAVED ROUTE (SCHOOLHOUSE ROAD/NON NPS)

ROUTE 0601: STRUBLE ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 5017 (STRUBLE ROAD / NON NPS)
0.09	0.09	CULVERT	N/A	N/A
0.33	0.33	CULVERT	N/A	N/A
0.41	0.41	INTERSECTION	L	PAVED ROUTE (BROOK ROAD)/ NON NPS
0.41	0.41	INTERSECTION	R	ROUTE 0108 (MOUNTAIN ROAD)
0.41	0.41	INTERSECTION	N/A	ROUTE 0600 (MAIN STREET (WALPACK))

Section 8
Appendix

Delaware Water Gap National Recreation Area

Federal Lands Highway
Road Inventory Program

Improvements to the RIP Index Equations and Determination of PCR

In 2005, the Federal Highway Administration (FHWA) began implementing the use of a Pavement Management System (PMS) to assist the National Park Service (NPS) in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) which has the ability to store inventory and condition data from the Road Inventory Program (RIP) and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Region, Park, or Route level. A regional prioritized list and optimization have been produced for most regions and the Federal Highway Deferred Maintenance is calculated via the HPMA as well.

In an effort to improve the accuracy of treatment recommendations and pavement condition descriptions the distresses and indexes that comprise the Pavement Condition Rating (PCR), an extensive study was completed throughout 2010 that has resulted in changes to the RIP condition reporting method and specifically, the calculation of PCR. It was determined that a better representation of PCR could be achieved by modifying the relative impact certain distresses would have on the overall rating.

Through the use of HPMA data, it was noted that false failure indicators existed with the existing PCR model, and that it would be necessary to reduce their impact. The distresses affected in this way were Rutting and Roughness. Conversely, experience showed that roadways with extensive cracking present were often shown to have a high PCR. Therefore, the crack index models were adjusted to be more sensitive to changes in crack severity or quantity. It was also determined that these issues were not due to a problem with data acquisition (i.e. the RIP "van"), but with the way the collected data was processed. The final change was to provide guidance on when to use the Roughness Condition Index (RCI) in the PCR calculation. Roughness data is of little value to determining overall condition on routes that, due to their length or geometrics, have lower vehicle operating speeds. Therefore, in Cycle 5, only routes that have lengths of one half mile or greater and posted speed limits of 25 mph or greater will have RCI reported and included in the PCR calculations.

Additionally, methodologies were updated in 2013 for Manually Rated Routes (paved routes that the collection vehicle is unable to drive) as well as Parking Areas to provide more accurate condition data to the HPMA. These updated methodologies allow for the efficient assessment of pavement conditions using a visual inspection method to denote specific distresses. These distresses are indicative of current conditions, the causes for current and future deterioration, and identify the level of targeted repair and rehabilitation practices required.

The changes that were implemented were endorsed by management at both the FHWA and NPS. In order to show the effectiveness of these changes, several sites were ground truth tested in early 2014 to ensure that an improvement was achieved between the relationship of PCR and the actual Maintenance and Rehabilitation needs that were represented. The changes will allow greater use of RIP and HPMA data for not simply condition data reporting, but also as a reliable tool for project identification and selection.

Description of the Rating System

The Federal Highway Administration, National Park Service Road Inventory Program (NPS-RIP), collects roadway condition data on paved surfaces (asphalt, concrete, brick, and cobblestone) on roads, parkways, and parking areas in national parks nationwide. The road surface condition data is collected using an automated Data Collection Vehicle (DCV) and manually using Manually Rated Route (MRR) procedures. Roads having brick or cobblestone surfacing are not normally surveyed with the DCV, but are manually rated for condition rating.

The FHWA RIP is implemented based on the premise that an accurate pavement surface condition assessment can be accomplished using automated crack detection technology as applied to digital images. Various methods of pavement condition assessment have been developed over the years with varying degrees of accuracy and acceptance. The use of digital photography to record pavement images and subsequent crack detection and classification has undergone continuous improvements over the past decade. Digital cameras with increasingly superior resolution and high definition have become more affordable, and the proprietary programming code and algorithms have been improved in crack detection software.

With the use of quality digital photography and automated crack detection software, FHWA RIP is tasked with executing a pavement condition assessment on a network of roughly 5,700 miles of National Park Service roads and parkways. Because a subset of roads will be collected multiple times this cycle, the total collection length will be around 13,000 miles. Foremost in setting up the basis of pavement distress identification is employing the distress identification protocols used by FHWA. There is no single distress identification system that is universal among entities conducting a program of distress identification. For the purpose of the NPS RIP, FHWA employs distress identification protocols that are specific to this program.

FHWA has referenced the "*Distress Identification Manual for the Long-Term Pavement Performance Program", Publication No. FHWA-RD 03-031, June 2003,* as the point-of- reference for distress types on NPS pavement. In truth, the FHWA RIP distress types are similar to those described in the LTPP manual with some modifications. This document, "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020"* was developed using the "*Distress Identification Manual for the Long-Term Pavement Performance Program"* as a guideline. Definitions of severity levels based on crack width contained in this document adhere to the LTPP Distress ID Manual. Modifications have been made to the definition of Alligator and Longitudinal Cracking and determination of Alligator Cracking severity. This manual also addresses Rutting and Roughness and its application to RIP.

Cycle 6 has launched in the spring of 2014 and will again comprise all parks, large and small, that are served by paved roads and/or parking areas. For Cycle 6, roughly 333 large and small parks will have all paved routes and parking areas collected at least once in the cycle, some will have multiple collections depending on the size of the park and the functional class of the route.

This "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020*" will be used as a reference resource in crack detection and classification, determination of distress severity and extent, and in the calculation of distress index values for the FHWA RIP Cycle 6.

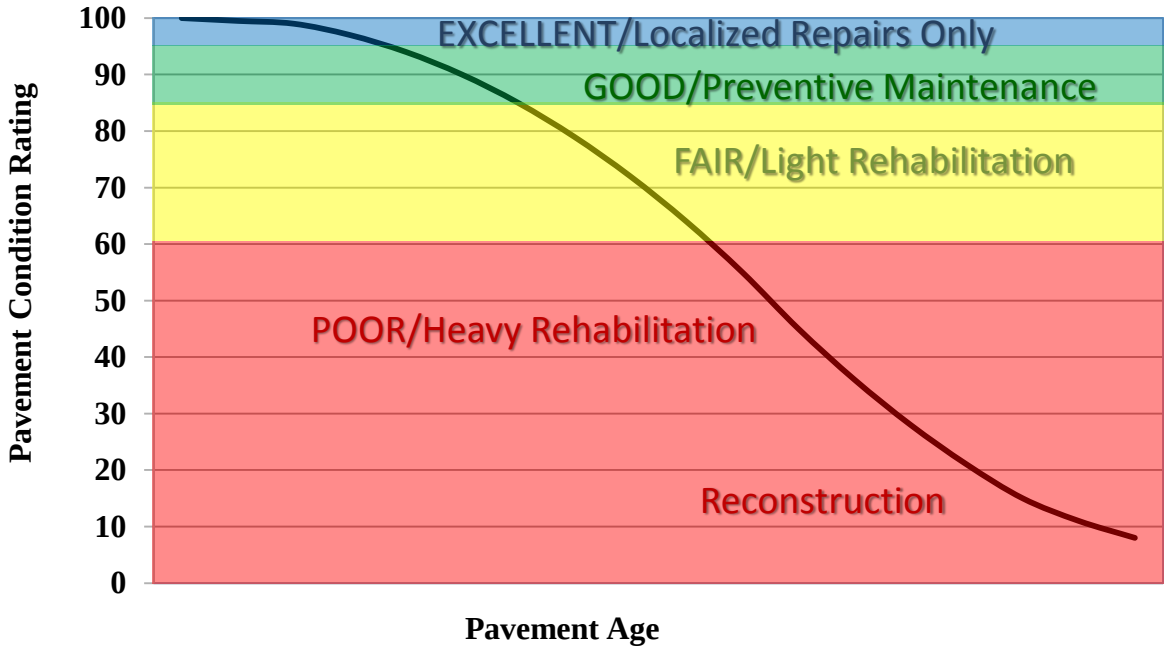
Explanation of the Condition Descriptions

In addition to the RIP Index changes that were implemented in Cycle 5, we will also aim to provide greater assistance in translating good/fair/poor categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the types of treatments that should be considered now and into the future.

- Excellent/New: PCR of 95-100. Pavements in this range will require only spot repairs
- Good: PCR of 85-94. Pavements in this range will likely be candidates for preventive maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.
- Fair: PCR of 61-84. Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include single-lift overlays up to 2.5 inches in total thickness, milling and overlays.
- Poor: PCR of 60 or below. Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.

At this time, specific maintenance and rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions the year in which the data was collected. For further information or to obtain additional PMS data from our (HPMA) please contact the Eastern Federal Lands pavement team.

Condition Categories and Treatments



Description of Pavement Treatment Types

1. **Preventive Maintenance** is a planned strategy of cost-effective treatments to an existing roadway system and its appurtenances that preserves the system, retards future deterioration, and maintains or improves the functional condition of the system (without significantly increasing the structural capacity). Preventive maintenance is typically applied to pavements in good condition having significant remaining service life. As a major component of pavement preservation, preventive maintenance is a strategy of extending the service life by applying cost-effective treatments to the surface or near-surface of structurally sound pavements. Examples of preventive treatments include asphalt crack sealing, chip sealing, slurry or micro-surfacing, thin and ultra-thin hot-mix asphalt overlay, concrete joint sealing, diamond grinding, dowel-bar retrofit, and isolated, partial and/or full-depth concrete repairs to restore functionality of individual slabs.

2. Pavement Rehabilitation consists of structural enhancements that extend the service life of an existing pavement and/or improve its load carrying capacity. Rehabilitation techniques include restoration treatments and structural overlays. Rehabilitation projects extend the life of existing pavement structures either by restoring existing structural capacity through the elimination of age-related, environmental cracking of embrittled pavement surface or by increasing pavement thickness to strengthen existing pavement sections to accommodate existing or projected traffic loading conditions. Two sub-categories result from these distinctions, which are directly related to the restoration or increase of structural capacity.

    - **Light Rehabilitation (L3R)** - Examples include single-lift overlays up to 2.5 inches in total thickness and milling and overlays for flexible pavements

    - **Heavy Rehabilitation (H3R)** – Requires rehabilitation with grade improvement. H3R stands for resurfacing, restoration, and rehabilitation projects. H3R projects typically involve multi-depth (overlays greater than 2.5 inches) pavement improvement work (short of full-depth replacement) and targeted safety improvements. H3R projects generally involve retention of the existing three-dimensional alignment.

3. **Reconstruction (4R)** is defined as the replacement of the entire existing pavement structure by the placement of the equivalent or increased pavement structure. Reconstruction usually requires the complete removal and replacement of the existing pavement structure. Reconstruction may utilize either new or recycled materials incorporated into the materials used for the reconstruction of the complete pavement section. Reconstruction is required when a pavement has either failed or has become functionally obsolete.

Appendix A

Methodology for Determining Condition Ratings with the Data Collection Vehicle (DCV)

Surface Distresses Identified by the Data Collection Vehicle

Surface Condition Rating – SCR

Surface distresses are measured in the primary lane only. In the classification and measurement of all paved surface condition data, results will be reported in the database in record intervals of 0.02 miles (105.6 feet) (smallest granularity) along the route.

Surface distresses and rutting are determined from digital images that provide both the longitudinal and transverse profile. The images also provide an elevation profile of the road, creating a 3-dimensional image of the paved surface.

- Transverse Cracks
- Longitudinal Cracks
- Alligator Cracks
- Patching/Potholes
- Rutting

Each of the five surface distresses is assigned a computed surface distress index

- Transverse Crack Index
- Longitudinal Crack Index
- Alligator Crack Index
- Patching/Pothole Index
- Rutting Index

Surface distress data are classified as listed above, measured for severity, and quantified for extent. Classification, severity, and extent of these five surface distresses comprise the three main elements for calculation of Surface Condition Rating (SCR).

In addition to the five surface distresses, a Structural Crack Index is computed, which is a combination of the Longitudinal Crack Index and the Alligator Crack Index. The Structural Crack Index is then used in lieu of the LC and AC indices to compute SCR.

Roughness Condition Index - RCI

Additional condition data measured by DCV (lasers and accelerometers)

- Roughness (IRI)

Roughness is measured by FHWA's DCV and reported as International Roughness Index (IRI) in inches/mile. Using IRI, the Roughness Condition Index (RCI) is computed.

Pavement Condition Rating - PCR

Using the SCR (computed from the five surface distresses) and the RCI, an overall Pavement Condition Rating (PCR) is computed. The formula for PCR is:

Asphalt PCR = (0.60 * SCR) + (0.40 * RCI)
Concrete PCR = RCI

A detailed description of each distress index formula, roughness index formula, SCR and PCR is provided in this document.

Each classified surface distress will fall into one or more severity - LOW, MEDIUM, or HIGH based on criteria listed. For each severity, an extent is established based on the measured quantity of the distress within that severity. Within each severity individual distresses are assigned a Maximum Allowable Extent (MAE). For example, LOW severity transverse cracking may be allowed up to 21.1 cracks within a 0.02 mile interval before it reaches MAE and fails.

The index formulas are based on a scale of 0 to 100. A PCR index value of 100 would indicate a "new" road with no measurable distresses or rough ride. A PCR value of 60 is determined to be terminable serviceability and the road is considered failed. The range of index values with condition descriptors is:

POOR = (less than or equal to 60), **FAIR**= (61 – 84), GOOD= (85 - 94), **EXCELLENT**= (95 - 100)

Index values are generally computed based on cumulative deducts of the measured severities. As shown in the index formulas below, as any single severity reaches or exceeds MAE, the index computes to a value of 60 or less, and the road fails for that 0.02 interval.

> **Note:** *As a result of a unique combination of measured surface distresses and IRI, index values occasionally compute to less than 0 or greater than 100. In this instance, an index value less than 0 defaults to 0. Index values greater than 100 defaults to 100. For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.*

On the following page, Table 1 summarizes the different types of distresses measured.

ASPHALT-SURFACED PAVEMENT DISTRESS TYPES WITH RUTTING AND ROUGHNESS				
Distress Type	**Units Of Measure**	**Converted To**	**Defined Severity Levels?**	**Measured By**
Alligator Cracking	Square Feet	Percent of Lane Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Transverse Cracking	Linear feet	Number of Cracks Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Longitudinal Cracking	Linear feet	Percent of Lane Length Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Patching / Potholes	Square Feet	Percent of Lane Per 0.02 Mile	No	3 Dimensional pavement imaging system
Rutting	Inches	Rut Depth Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Roughness	IRI	*RCI Per 0.02 Mile	No	DCV – Lasers / Accelerometers

*Note: *Roughness is measured on concrete roadways, but surface distresses and rutting are not measured. For concrete, PCR = RCI*

Table 1. Distress summary

Alligator Cracking

Description:

Alligator cracking is considered a combination of fatigue and block cracking. It is a series of interconnected cracks in various stages of development. Alligator cracking develops into a many-sided pattern that resembles chicken wire or alligator skin. It can occur anywhere in the road lane. Alligator cracking must have a quantifiable area.

Severity Levels:

LOW
An area with little to no interconnecting cracks with no visible spalling. Cracks are less than or equal to a mean width of 0.25 in. (6mm). Cracks in the pattern are no further apart than 1 foot (0.328 m). May be sealed cracks with sealant in good condition and a crack width that cannot be determined.

MEDIUM
An area of interconnected cracks that form a complete pattern. Cracks may be slightly spalled. Cracks are greater than 0.25 in. (6 mm) but less than or equal to 0.75 in. (19 mm) or any crack with a mean width less than or equal to 0.75 in. (19 mm) and adjacent low severity cracking. Cracks in the pattern are no further apart than 6 in. (150 mm).

HIGH
An area of interconnected cracks forming a complete pattern. Cracks are moderately or severely spalled. Cracks are greater than 0.75 in. (19mm) or any crack with a mean width less than or equal to 0.75 in. (19mm) and adjacent medium to high severity random cracking.

A combination of observed crack width and crack pattern is used to determine overall severity of alligator cracking. Based on above description of each severity, the highest level of crack width and crack pattern determines overall severity as shown in Table 2.

ALLIGATOR CRACKING SEVERITY LEVELS				
	CRACK SEVERITY	**CRACK PATTERN**		
		LOW	**MED**	**HIGH**
CRACK WIDTH	LOW	LOW	MED	HIGH
	MED	MED	MED	HIGH
	HIGH	HIGH	HIGH	HIGH

Table 2. Alligator Crack Severity Levels

Longitudinal Cracking

Description:

Longitudinal cracking occurs predominantly parallel to the pavement centerline. It can occur anywhere within the lane. Longitudinal cracks occurring in the wheelpath may be noteworthy.

Severity Levels:

LOW
Cracks with a mean width less than or equal to 0.25 in. (6 mm). This also includes sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater than 0.25 in. (6 mm) but less than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

Transverse Cracking

Description:

Transverse cracking occurs predominantly perpendicular to the pavement centerline. It can occur anywhere within the lane.

Severity Levels:

LOW
Cracks with a mean width of less than or equal to 0.25 in. (6 mm). Sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater 0.25 in. (6 mm) and less than or equal to 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

Patching and Potholes

Description:

Patching is an area of pavement surface that has been removed and replaced with patching material or an area of pavement surface that has had additional patching material applied. Patching may encompass partial lane or full lane width. On full lane width patching; the total, contiguous length of patch may not exceed 0.100 mi. (0.161 km). (Any full-lane patch exceeding 0.100 mi. in length is considered a pavement change). Patching must have a quantifiable area.

Potholes are bowl-shaped holes of various sizes occurring in the pavement surface.

Manhole covers should not be rated as patches unless there is obvious patching around the manhole.

Speed bumps should not be rated as patches

Severity Levels:

There are no stratified severities for Patching and Potholes. They either are present or they are not.

RUTTING

Description:

Rutting is a longitudinal surface depression in the wheelpath.

Severity Levels:

LOW

Ruts with a measured depth of 0.20 inches to 0.49 inches
Ruts less than 0.20 in. are not included in the distress calculations.

MEDIUM

Ruts with a measured depth of 0.50 inches to 0.99 inches

HIGH

Ruts with a measured depth greater than 1.00 inch

ROUGHNESS

Description:

Roughness is the measurement of the unevenness of the pavement in the direction of travel. It is measured in units of IRI (International Roughness Index), inches per mile, and is indicative of ride comfort.

Severity Levels:

There are no stratified severity levels for roughness. The roughness (or smoothness) of a road surface can be defined by IRI in the following table.

IRI DESCRIPTIONS	
Type of Road	**Typical IRI (in/mile)**
New Road, no noticeable roughness	<90
Small level of roughness	90 – 126
Road of average roughness	126 – 190
Road with above average roughness	190 – 253
Road with severe roughness	253 – 380
Nearly impassable	>380

Table 3. International Roughness Index

Roughness Collection Parameters

On shorter roads with a lower speed limit the usefulness in collecting and reporting IRI is negligible. Lower, inconsistent speeds can lead to a less accurate IRI value. Therefore RIP has put in place the following protocols for reporting IRI.

International Roughness Index (IRI) is not reported on routes with the following criteria:

- Posted speed limit is less than 25 mph
- Length of route is less than 0.50 miles

When a collected route has a posted speed limit of at least 25 mph and length of at least 0.50 miles, IRI will be collected except on road sections where the speed is less than 20 mph

Other situations may arise where the speed and length factors are met, but reporting IRI could lead to an inaccurate PCR. RIP will determine whether or not it is reasonable to report IRI on these routes on a case by case basis.

Index Formulas

Note: All index formulas listed below contain MAE applicable to 0.02 mile (105.6 feet) interval.

Alligator Crack Index

AC_INDEX = 100 – 40 * [(%LOW / 35) + (%MED / 15) + (%HI / 5)]

Where:

The values %LOW, %MED and %HI report the percentage of the observed pavement (0.02 mile, primary lane) that contains alligator cracking within the respective severities. These values range from 0 to 100.

%LOW = Percent of total area (primary lane, 0.02 in length), low severity
%MED = Percent of total area (primary lane, 0.02 in length), medium severity
%HI = Percent of total area (primary lane, 0.02 in length), high severity

Percent of total area is computed as:

$$\frac{\text{square foot area of alligator crack severity}}{(0.02\text{ mile})*(\text{lane width})}$$

In AC_INDEX, the denominators 35, 15, and 5 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 35% of low severity alligator cracking for a 0.02 interval before failure, 15% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Longitudinal Crack Index

LC_INDEX = 100 – 40 * [(%LOW / 175) + (%MED / 75) + (%HI / 25)]

Where:

The values %LOW, %MED, and %HI report the length of longitudinal cracking within each severity as a percent of the section length (0.02 mile, primary lane). These values are greater than or equal to 0 and can exceed 100.

%LOW = Percent of interval length (primary lane, 0.02 in length), low severity
%MED = Percent of interval length (primary lane, 0.02 in length), medium severity
%HI = Percent of interval length (primary lane, 0.02 in length), high severity

Percent of interval length is computed as:

$$\frac{\text{length of respective longitudinal cracking}}{(0.02\text{ mile})*(105.6\text{ ft.})}$$

In LC_INDEX, the denominators 175, 75, and 25 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 175% of low severity longitudinal cracking for a 0.02 interval before failure, 75% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Structural Crack Index

SC_INDEX = [100 - ((100 - AC_INDEX) + (100 - LC_INDEX))]

Structural Crack Index is a combination of Alligator Cracking and Longitudinal Cracking, and is used in the SCR formula in lieu of AC and LC separately.

Transverse Crack Index

TC_INDEX = 100 – 40 * [(LOW / 21.1) + (MED / 4.4) + (HI / 2.6)]

Where:

The values LOW, MED and HI report a count of the total number of transverse cracks (reported to three decimals) within each severity level, where one transverse crack is equal to the lane width. These values are greater than or equal to 0.

LOW = Number of cracks in interval (primary lane, 0.02 in length), low severity
MED = Number of cracks in interval (primary lane, 0.02 in length), medium severity
HI = Number of cracks in interval (primary lane, 0.02 in length), high severity

Number of cracks is computed as:

$$\frac{\text{Total length of transverse cracks}}{\text{Lane width}}$$

In TC_INDEX, the denominators 21.1, 4.4, and 2.6 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 21.1 low severity transverse cracks for a 0.02 interval before failure, 4.4 cracks for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Patching Index

PATCH_INDEX = (100 – 40) * (%PATCHING / 80)

Where:

The value %PATCHING reports the percentage of the observed pavement (0.02 mile, primary lane) that contains patching/potholes. This value ranges from 0 to 100.

%PATCHING = Percent of total area (primary lane, 0.02 in length)

Percent of total area is computed as:

$$\frac{\text{square foot area of patching/potholes}}{\text{(0.02 mile)*(lane width)}}$$

There are no severity levels for patching. It either exists or does not.

There are no severity levels for patching. It either exists or does not. In PATCH_INDEX, the denominator 80 is the Maximum Allowable Extent (MAE) for each severity. In other words, we will allow up to 80% patching for a 0.02 interval before failure. As you can see, if patching/potholes reaches MAE the resulting index value is 60, or failure.

Rutting Index

RUT_INDEX = 100 – 40 * [(%LOW / 535) + (%MED / 205) + (%HI / 40)]

Where:

20 rut depth measurements are taken per 0.02 interval for each of 2 wheel paths (left and right), resulting in a total of 40 measurements taken for both wheel paths. Each wheelpath is analyzed independently for rut severities. The values %LOW, %MED and %HI report the percentage of the 40 measurements within that severity. These values range from 0 to 200.

%LOW = Percent of LOW ruts in left wheelpath based on 20 ruts, plus percent of LOW ruts in right wheelpath based on 20 ruts.
%MED = Percent of MED ruts in left wheelpath based on 20 ruts, plus percent of MED ruts in right wheelpath based on 20 ruts.
%HI = Percent of HI ruts in left wheelpath based on 20 ruts, plus percent of HI ruts in right wheel path based on 20 ruts.

Percent of rut measurements within each severity can also be computed as:

$$\frac{\textbf{(total number of ruts within each severity in both wheelpaths)}}{\textbf{20}} \times \textbf{100}$$

In RUT_INDEX, the denominators 535, 205, and 40 are the Maximum Allowable Extents for each severity; Low, Medium, and High, respectively. Only the MAE for high severity rutting can fail a section, since 200% of *only* low severity ruts would yield a rut index of 85 and 200% of *only* medium severity ruts would yield a rut index of 61.

Roughness Condition Index (Asphalt)

RCI = 32 * [5 * ($2.718282^{(-.0041 * \text{AVG IRI})}$)]

Where:

The value AVG IRI reports the average value of the Left IRI and Right IRI measurements for the interval (0.02 mile, primary lane). This value can range from approximately 40 to 999.0.

Average IRI is computed as:

$$\frac{\text{(Left wheelpath IRI) + (Right wheelpath IRI)}}{2}$$

There is no applicable threshold for failure for this index.

Roughness Condition Index (Concrete)

RCI = $(-0.0012)(\text{IRI}^2) + (0.0499)(\text{IRI}) + 99.542$

For concrete, PCR = RCI

Surface Condition Rating Index

SCR = Lowest Index Value Of: [SC_INDEX, TC_INDEX, PATCH_INDEX, RUT_INDEX]

Note: *The modified SCR equation above combines AC_INDEX and LC_INDEX, and considers that a single AC/LC index value of the Structural Crack Index (SC_INDEX). The lowest of the four computed index values (SC_INDEX, TC_INDEX, PATCH_INDEX, or RUT_INDEX) becomes the SCR.*

Where:

See above for determinations of SC_INDEX, TC_INDEX, PATCH_INDEX and RUT_INDEX.

The threshold for failure for this index is SCR = 60.Data Collection Vehicle Subsystems

Data on paved roads is collected by FHWA using a Pathway Services Inc. Data Collection Vehicle (DCV), called a PathRunner. The DCV is driven in the primary-direction lane at posted speed limits and less.

Cameras

Forward-facing and rear-facing video is collected as jpeg digital imagery files at a frequency of every 26.4feet.

Two forward-facing cameras are mounted above the vehicle cab, one pointed straight ahead and the other to the right shoulder providing seamless roughly 120 degree viewing. A third camera is mounted in the rear of the vehicle, recording the left shoulder.

CAMERA SPECIFICATIONS TWO FORWARD / ONE REAR FACING CAMERA	
Camera lens/type	Prosilica GT 2750 (GigE Technology)
Image format	*.jpg
Image resolution	2750 x 2200, 18 frames/second
Image pixel size	depends on distance
Zoom ratio	16mm Fixed
Iris range	Aperture Range F 1.8 – Infinity (P-Iris, Automatic

Pavement Imaging and Rutting

High resolution rutting data and surface imaging are collected in a single data stream using a three-dimensional (3D) pavement surface transverse profile data acquisition system. The 3D camera captures a laser line as it is projected over the pavement surface and uses the location of this line to measure the height deviations of the pavement surface. These height deviations can be used to calculate rutting in both wheelpaths. These deviations also provide a grayscale image detailing the change in height throughout the surface, i.e. providing depth measurements for cracking.

THREE-DIMENSIONAL PAVEMENT SURFACE AND TRANSVERSE PROFILE DATA ACQUISITION SYSTEM	
Surface Image Specifications	
Image size	1536 pixels/scan @3000 Hz
Image width	4 meters (3950 mm nominal)
Laser class	3B
Power	16W (Two lasers @ 8W Ea)
Vehicle speed limitations	62 mph
Environment	Dry pavement, day or night
Sensor size (approximate)	1536 pixels x 512 pixels
Image display length	26.4 feet
Rutting Specifications	
Reported rut depth units	Inches
Vehicle speed limitations	Up to 62 mph
Sampling rate	3000 profiles/second
Transverse resolution	1536 points/profile
Transverse field-of-view	14 feet
Depth accuracy (nominal)	<1mm
Environment	Dry pavement, day or night, above 32 degrees F
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

Distance Measuring Instrument (DMI)

The DMI (Distance Measuring Instrument) obtains road length measurements that are accurate to 0.15% for speeds up to 60 mph. The DMI is connected to the hub of the rear wheel on the driver's side, and is calibrated to the revolutions of the rear vehicle axle on a regular basis.

Roughness (IRI)

IRI SPECIFICATIONS	
Reported IRI units	Inches/mile
Vehicle speed limitations	12-62 mph
IRI equipment certification	Texas Transportation Institute (TTI)
Wavelengths accommodated	0.5 feet to 300 feet
IRI computed & reported	World Bank Technical Paper Number 46
Environment	Dry pavement, day or night, above 32 degrees
Adherence to specifications	ASTM E950 Class 1 & AASHTO M 328

The collection system includes a South Dakota type laser profiler manufactured based on active Class 1 ASTM E950 standards. The dynamic profile of the pavement surface is collected from which the IRI roughness data is computed. The sensors include one accelerometer on each wheelpath, one height sensor (laser) on each wheelpath, and a distance transducer.

GPS & Inertial Systems

GPS is collected by an onboard system employing Omnistar real time correction and a spinning gyroscope to provide accurate positioning data in instances of satellite obstruction. All GPS coordinates are tied to an image and linear distance measurements.

GPS SPECIFICATIONS	
Static accuracy	Sub-meter
Dynamic accuracy	2-3 meters
Receiver	12 satellite tracking
Coordinate system	Lat Lon WGS 84
Environment	Day or night
Cross-slope	± 1.75%
Grade	± 1.75%
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

*NOTE – GPS accuracy is dependent on many different factors. Satellite constellation, tree coverage, GPS receiver quality, and real-time correction availability can all affect the locational and elevation accuracies. The elevation (z coordinate) accuracy is less dependable than locational or horizontal accuracy (x/y coordinates or latitude/longitude). In areas of heavy tree coverage or poor satellite constellations, elevation data can vary by as much as +/- 100 feet.

Appendix B

Methodology for Determining Condition Ratings Using Manual Rating Procedures

Description of Manual Rating Methods

In 2013, the Federal Highway Administration updated existing Manual Rating Procedures in an effort to better align pavement conditions for Manually Rated Routes and Parking with the Highway Pavement Management Application (HPMA). HPMA is the Pavement Management System used by the FHWA to store inventory and condition data from the Road Inventory Program (RIP) and forecast future performance using prediction models. HPMA uses pavement condition data (collected by the Road Inventory Program) to develop life cycles for pavements and recommend treatments to maximize useable pavement life while minimizing costs associated with maintenance and repair.

The Federal Highway Administration (FHWA) developed a set of manual rating methods for pavement that are appropriate for Federal Roadways. Two different methods were developed for linear roads and a separate method was developed for parking areas and nonlinear roads. These methods employ a 0 to 100 rating scale and improve consistency and objectivity in the manual evaluation of surface distresses. They are compatible with ratings that are collected by the automated Data Collection Vehicle (DCV).

- The first of the two manual evaluation methods for roads uses rating criteria to assign index values to each distress type based on a visual evaluation of severity and extent.

- The second manual evaluation method for roads is very time demanding and is best employed on only a select set of routes which may have the highest visitor use and require a more intensive assessment. This method will be used for the Manual Rating of Function Class 1, 2, 7, and 8 Roads. This method is based on measurements that are recorded for each instance of a surface distress. These measurements are converted into index values using conversion formulas.

- Parking areas and non-linear roads are rated similar to the first method shown above, however, there are some slight differences due to the non-linear nature.

The details and criteria used for each of these rating methods are outlined below.

Visual Inspection Method for Manually Rating Secondary Roads

The visual inspection method for manually rated roads uses condition rating criteria that have been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the roadway. This method is used for secondary roads that are Functional Class 3, 4, 5, and 6. This constitutes the majority of manually rated roads collected by the Road Inventory Program.

Rating Section Lengths

For this method, Manually Rated Roads are rated in sections. These sections may be made based on length of changes in surface type or condition as described below. The ratings are then aggregated to give an overall rating for the Route:

- Rating sections should be no longer than 0.25 miles in order to keep the area being rated manageable.
- A new rating section may be started based on changes in condition, width, or surface type if these changes represent a significant portion of the route (are not isolated instances).
- If the road condition, width, and surface type remain constant then new sections do not need to be created unless the road exceeds 0.25 miles.

Rating Criteria

For this method, Manually Rated Roads are evaluated using a visual inspection of the six distress types listed below. Each distress is assigned one of five index values. An overall Surface Condition Rating (SCR) and Pavement Condition Rating (PCR) are calculated based on these index values.

- Alligator Cracking
    - Rating based on percentage of road surface affected
- Longitudinal Cracking
    - Rating based on severity level (crack width) and percentage of road section length of longitudinal cracks
- Transverse Cracking
    - Rating based on crack width, crack spacing, and percentage of surface affected
- Patching
    - Rating based on percentage of road surface affected
- Rutting
    - Rating based on percentage of road section length affected by visible rutting (>1 inch depth) that requires remediation
- Roughness
    - Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Concrete Routes also receive a PCR rating based on visual evaluation of the following six distress types.

- Slab Faulting at Joints
- Slab Cracking and breakup
- Surface Delamination and Pop-outs
- Joint Distresses
- Patching

Distress Measurement Method for Manually Rating Primary Roads

A more intensive and time demanding assessment than our standard method was developed for Primary roads that are functional class 1, 2, 7, or 8. These high visitation roads are usually accessible by the automated Data Collection Vehicle but in rare instances may need to be manually rated. The method developed is based on measuring each instance of a distress. These measurements are totaled over each section length being measured and are then converted into index values between 0 and 100 (100 being a road with no distress) using index formula equations outlined below. The goal of this method is to produce measured index values which are directly comparable to the automated DCV.

Rating Section Lengths

For the distress measurement method roads are broken into sections in order to rate. Distress measurements are totaled for each section separately in order to determine the index value for that particular section. The section length to be rated is determined based on the following rules:

- Rating sections are between 0.25 and 0.50 miles long
- A new rating section is created if there is a significant change in condition or pavement width
- If there are no significant changes in condition or pavement width, rating sections are broken at equal intervals, typically 0.50 miles

Manual Distress Measurements

Alligator Cracking

- Alligator cracking is measured by area (square feet). Instances of Alligator cracking are measured along the length and multiplied by the average width of the distressed area.
- The index for alligator cracking takes the total area of cracking compared to the interval length and converts it to a percentage. That percentage is then input into an index formula that yields a value between 0 and 100 (0 being the most distressed).
- Severity levels are not defined for manually measured Alligator cracks. The Alligator Crack Index formula is calculated based on an assumption of medium severity.

Longitudinal Cracking

- Longitudinal cracking (cracking in the direction parallel to the roadway) is measured by length (ft.).
- The index for longitudinal cracking takes the total length of cracking compared to the interval length and converts it to a percentage broken down by severity. That percentage is then input into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Longitudinal Cracks. Lower severity cracks are those with a mean width of less than 0.25 inches. Sealed cracks with sealant in good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Transverse Cracking

- Transverse cracking (cracking in the direction perpendicular to the roadway) is measured by length (ft).
- The index for transverse cracking takes the total number of cracks (1 crack would encompass the full lane) broken down by severity. The total numbers of each severity are then put into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Transverse Cracks. Lower severity cracks are those with a mean width of less than or equal to 0.25 inches. Sealed cracks with sealant in

good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Patching and Potholes

- Patching and Potholes are measured by area (square feet). Instances of Patching are measured along the length and multiplied by the average width of the patch.
- Instances of full lane width patching cannot be longer than 0.100 miles, otherwise is should be considered a pavement change rather than a distress.
- There are no stratified severities for Patching. It is either present or it is not.

Rutting

- Visible rutting is measured by length (ft.) in each wheel path. Only visible ruts are rated, which are ruts greater than 1 inch deep.
- All rutting recorded in a manual rating is considered to be high severity (> 1 inch). Lesser severities are generally not distinguishable in a visual inspection.

Roughness

- Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Index Formulas for Distress Measurement Method:

The method used to convert distress measurements into index values is shown below. The Surface Condition Rating and Pavement Condition Rating are calculated based on these index values.

Alligator Crack Index for Manual Rating:

AC_INDEX = 100 – 40 * (%ALLIGATOR / 15)

Where:

%ALLIGATOR = Percent of total area of section being rated that contains Alligator cracking.

Longitudinal Crack Index for Manual Rating:

LC_INDEX = 100 – 40 * [(%LOW / 175) + (%MED / 75)]

Where:

%LOW = Percent length of longitudinal cracks where crack width less than or equal to 0.25 inches

%HIGH = Percent length of longitudinal cracks where crack width greater than 0.25 inches

Transverse Crack Index for Manual Rating:

TC_INDEX = (100 – 40) * [(LOW / 21.1) + (MED / 4.4)]

Where:

LOW = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width <= 0.25 inches

HIGH = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width > 0.25 inches

Number of cracks is computed as:

Total length of transverse cracks/Lane width

Patching Index for Manual Rating:

PATCH_INDEX =(100 – 40) * (%PATCHING / 80)

Where:

%PATCHING = Percentage of pavement section that contains patching/potholes.

Rutting Index for Manual Rating:

RUT_INDEX = 100 – 40 * (%RUTTING / 40)

Where:

%RUTTING = Percentage length of high severity rutting within the section being measured.

Method for Manually Rating Paved Parking Areas and Non-Linear Roads

Parking areas are evaluated based on a visual inspection using condition rating criteria that has been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the parking area. This overall condition rating is linked to the level of repair and rehabilitation practices required.

A distress index is determined for each of the distresses listed below for Asphalt and Concrete Parking areas. The overall Pavement Condition Rating (PCR) of the parking lot is driven by the most severe distress present.

Rating Criteria:

Asphalt Parking Distress Types

- Alligator Cracking
  - Rating based on percentage of road surface affected
- Longitudinal, Transverse and Block cracking
  - Rating based on crack width, crack spacing, and percentage of surface affected
- Rutting and Distortions
  - Rating based on percentage of road surface affected
- Hot Mix Asphalt Patches
  - Rating based on overall percentage of HMA patches
- Potholes and Cold Patches
  - Rating based on percentage of road surface affected
- Surface Raveling and Bleeding
  - Rating based on percentage of road surface affected

Concrete Parking Distress Types

- Slab Faulting at Joints
  - Rating based on height differential between adjacent slabs or pieces of broken slabs
- Slab Cracking and breakup
  - Rating based on quantity of cracks and if slab is acting to able distribute load as designed
- Surface Delamination and Pop-outs
  - Rating based on percentage of road surface affected to include pop-outs, spalls and surface delamination
- Joint Distresses
  - Rating based on sealant condition and concrete distresses at/or adjacent to joints
- Patching
  - Rating based on percentage of road surface affected

Curb Inspection and Treatments

During inspections of manually rated parking lots and routes, the curb reveal and overall curb condition are evaluated. The curb condition is used to determine a recommendation.

Curb Reveal
The vertical distance on the curb face from the gutter flow line or pavement surface to the top of curb. When resurfacing adjacent to curb, the resulting curb reveal should be no less than 4 inches. Additionally, when resurfacing adjacent to a gutter, the resulting pavement surface should be flush with the gutter pan. In cases where a resurfacing would violate either of these parameters, the surface may need to be milled or removed to adjust to these field conditions.

Curb Recommendations
The following treatment categories are based on the overall percentage of distresses along the entire curb structure for a specific pavement structure. Distresses include spalling, cracking, loss of material and any other damage which prevents the curb from conveying storm runoff or failing to perform in its intended function.

- Overall curb damage ranging 0%-5%:
    - DO NOTHING
- Overall curb damage ranging 5%-20%
    - LIGHT REPAIR
- Overall curb damage ranging 20%-50%
    - MODERATE REPAIR
- Overall curb damage greater than 50%:
    - REPLACE

GPS for Manually Rated Roads and Parking

GPS information for Manually Collected Cycle 6 Routes will be recorded using the latest hardware and software by TRIMBLE 6000 Series GeoXT. Cycle 6 GPS collection units will allow access to GPS and GLONASS, improving overall GPS reliability, accuracy and precision to submeter accuracy. Additionally, the new GPS units have an enhanced ability to collect accurate signals underneath tree cover or adjacent to buildings or natural terrain with extreme vertical gradations that typically reduce GPS accuracy. Trees and buildings create "satellite shadows", limiting the areas where you can reliably collect high-accuracy GPS data. The updated GPS receiver will deliver improved usable data under tree canopy or in natural or urban canyons. Routes that were previously collected accurately will not be recollected in Cycle 6.

TRIMBLE 6000 SERIES GeoXT GPS SPECIFICATIONS	
Receiver	Trimble Maxwell™ 6 GNSS chipset
Channels	220 channels
Systems	GPS / GLONASS / WAAS
Accuracy	Sub-meter
Operation Temperature	–20 °C to +60 °C (–4 ºF to +140 ºF)
Cellular and Wireless	UMTS / HSDPA / GPRS / EDGE / Wi-Fi / Bluetooth
Internal Still Camera w/ GEOTAG ability	Autofocus 5 MP (JPG) and WMV w/ Audio

Appendix C

Description of Cycle 6 Deliverables

Final Report Delivery

The Final Report will contain all data collected by Manual Inspection and the Data Collection Vehicle. All information provided in the Interim Report will be included in the Final report. Manually collected information reported in the Interim Report may be updated in the Final Report if pavement conditions have substantially changed between the Manual Inspection and Data Collection Vehicle Inspection or other unforeseen circumstances.

The final report will be released approximately 8 months after the Data Collection Vehicle completes its collection of that specific park.

Data included in the Final Report package consists of the following:

- **Condition Photos:** All photos taken during Cycle 6.
- **Data Video:** Data and video of each route collected by the DCV will viewable through PATHVIEW software. PATHVIEW Software and training will be provided to NPS personnel by Eastern Federal Lands.
- **GPS on All Rated Routes:** All GPS data collected from the DCV will be provided. Parking areas, some roads, and other paved areas that are not fully drivable with the DCV are collected manually by field technicians. GPS is collected for these routes using portable Trimble GPS units.
    - GPS will be provided as Shapefiles and KMLs
    - All GPS data related to road collection with be linear referenced to the collected length
- **Geodatabase – Background and Metadata:** In addition to this park report, a geodatabase containing both tabular and spatial data specific to this park has been provided.
    - All data disseminated in the preceding report has been obtained from the tables and fields within said geodatabase. The geodatabase can be referenced for tabular data via Microsoft Access or for both tabular and spatial data via ESRI's ArcGIS Suite of software which consists of; ArcMap, ArcCatalog and ArcExplorer.
    - Consolidating the RIP data into one database creates a seamless relationship of tables and geographic data. It allows RIP to facilitate easier updates and enhancements in the future. A geodatabase can be thought of as simply a database containing spatial data. A complete and thorough description of the tables and fields contained within this geodatabase can be found in the metadata. The metadata is attached directly within the geodatabase and can be accessed via ESRI's ArcCatalog.
- **Report (RIP Report and Route ID):** A PDF report will be provided that includes a list of all routes and key data. Condition reports for each route will be included. All changes, additions and deletions to any route will be included in the report. Features along routes will not be collected in Cycle 6.

Partial DCV Collections

Additional Partial DCV Collections may be done on specific parks depending on their size and overall mileage of routes within its boundaries during Cycle 6. Parks with greater than 10 miles of paved roadways will receive at least one additional Partial DCV collection during Cycle 6. Data collected during these Partial DCV Collections will not result in the delivery of an additional report to the park.

Data collected by the DCV during Partial DCV Collection will be used to improve HPMA modeling by providing additional "snapshots in time" of park pavement conditions. This improved HMPA modeling will assist in the programing and budgeting of future projects which will help maximize the life of pavement infrastructures.

Instead of receiving a report of conditions collected during the Partial DCV collection, the park will receive a formal letter from the Road Inventory Program requesting coordination for the additional Partial DCV collection, identifying the dates of the Partial DCV Collection and will reinforce the purpose and importance of the Partial DCV Collection.

Appendix D

Glossary of Terms and Abbreviations

Glossary of Terms and Abbreviations

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AC	Alligator Cracking
CRS	Condition Rating Sheets (Section 5)
Curb Recommendation	Curb remediation based on overall percentage of curb distress
Curb Reveal	Height of curb exposed from gutter flow line to top of curb
DCV	Data Collection Vehicle
Excellent	Excellent rating with an index value of 95 to 100
Fair	Fair rating with an index value from 61 to 84
FUNCT_CLASS	Functional Classification (see Route ID, Section 2)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
HPMA	Highway Pavement Management Application
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
LC	Longitudinal Cracking
MRR	Manually Rated Route
MRL	Manually Rated Line
MRP	Manually Rated Polygon
N/A	Not Applicable
NC	Not Collected
PATCH	Patching and Potholes
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating
PKG	Parking Area
Poor	Poor rating with an index value of 0 to 60
RCI	Roughness Condition Index
SC	Structural Cracking
SCR	Surface Condition Rating
TC	Transverse Cracking