



**The Road Inventory  
of  
Whiskeytown-Shasta-Trinity National Recreation Area  
WHIS - 8750**



**national park service**



## Road Inventory Program

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



# Whiskeytown-Shasta-Trinity National Recreation Area in California





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## INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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# Whiskeytown-Shasta-Trinity National Recreation Area Summaries

## Overall Park Mileage Summary

<b>PARK TOTAL SUMMARY ITEMS</b>	<b>TOTAL</b>	<b>DATE</b>
Paved ARAN Driven Route Miles	11.44	6/11/2003
Unpaved Estimated Route Miles	42.87	6/11/2003
Paved ARAN and Unpaved Route Miles	54.31	
Paved ARAN Driven Lane Miles	20.60	6/11/2003
Paved MRR Lane Miles	0.00	
Parking Lot Lane Miles	15.68	6/11/2003
Total Paved Lane Miles	36.28	

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

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

## Whiskeytown-Shasta-Trinity National Recreation Area Summaries

### Cost to Improve to "Excellent" Condition

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

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

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.46	\$13,800
Good	0.62	\$68,200
Fair	1.95	\$1,092,000
Poor	8.41	\$12,951,400
<b>Totals</b>	<b>11.44</b>	<b>\$14,125,400</b>

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

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

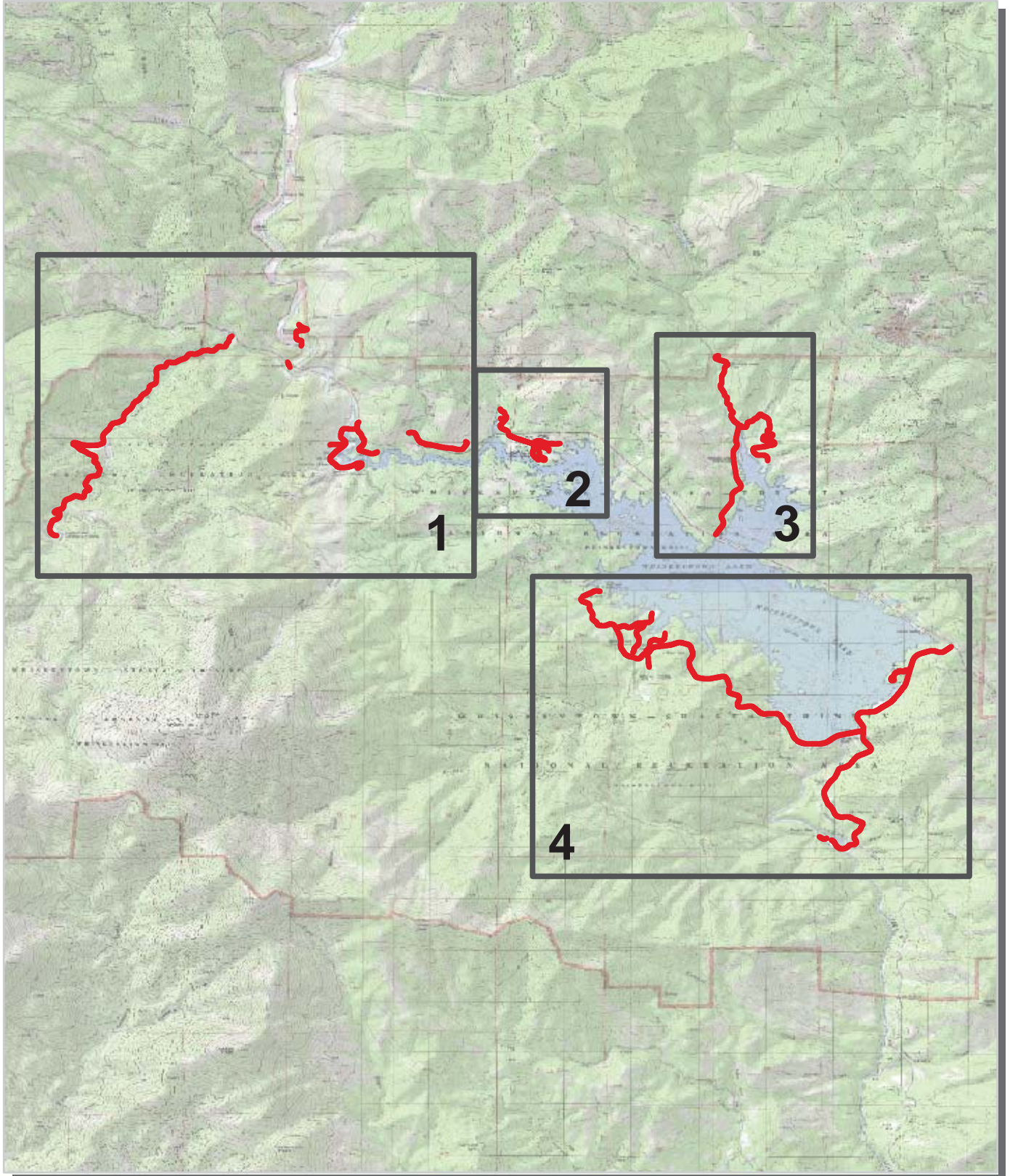
## Whiskeytown-Shasta-Trinity National Recreation Area Summaries

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

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	0.80	6.99%	0.24	2.10%					1.04
2	1.21	10.58%	0.39	3.41%	0.02	0.17%	0.02	0.17%	1.64
3	4.10	35.84%	1.32	11.54%	0.60	5.24%	0.38	3.32%	6.40
4									
5	1.01	8.83%					0.02	0.17%	1.03
6	1.29	11.28%					0.04	0.35%	1.33
7									
8									
<b>Totals</b>	<b>8.41</b>	<b>73.51%</b>	<b>1.95</b>	<b>17.05%</b>	<b>0.62</b>	<b>5.42%</b>	<b>0.46</b>	<b>4.02%</b>	<b>11.44</b>



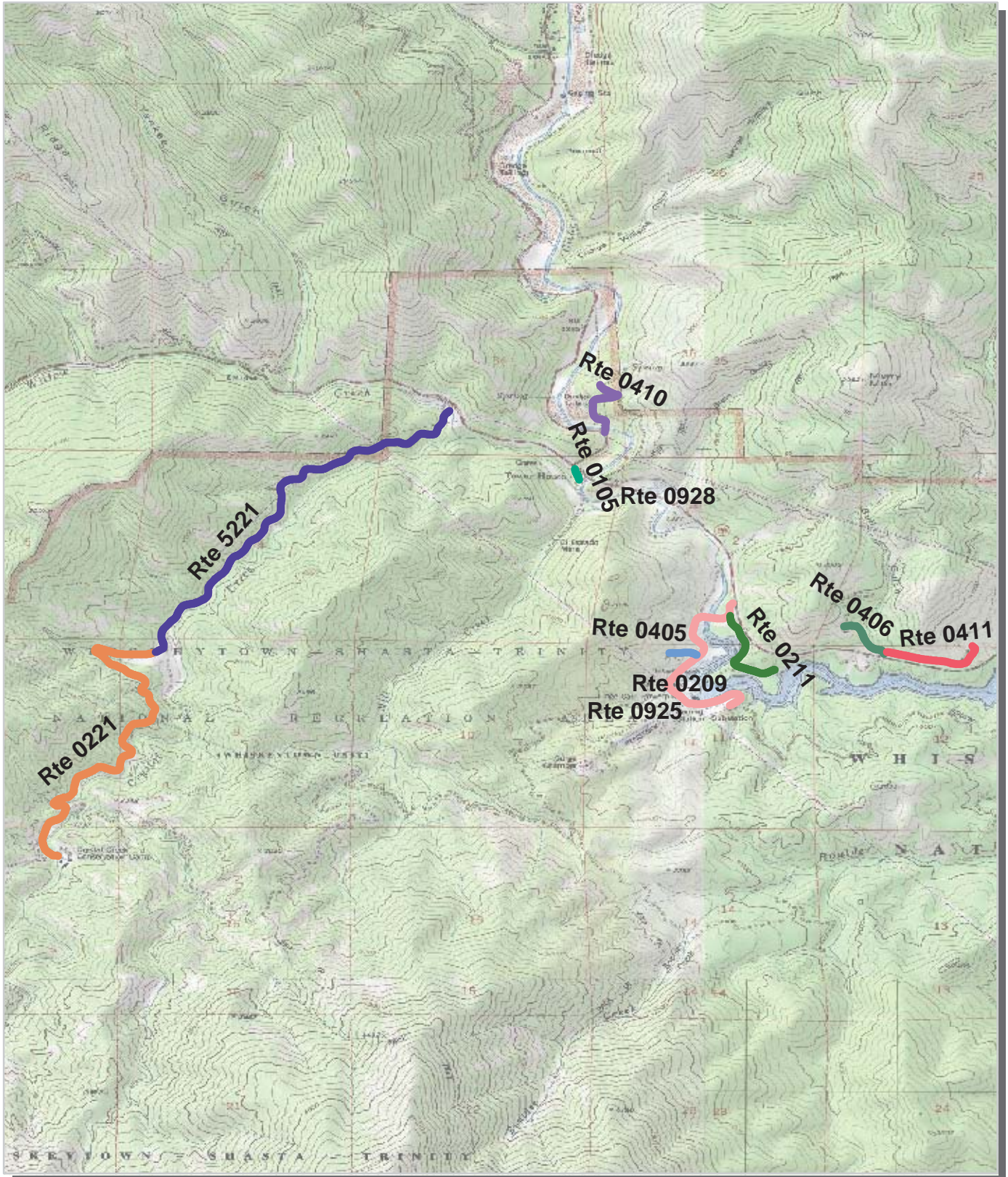
# Whiskeytown-Shasta-Trinity National Recreation Area Route Location Key Map



 Park Owned Routes



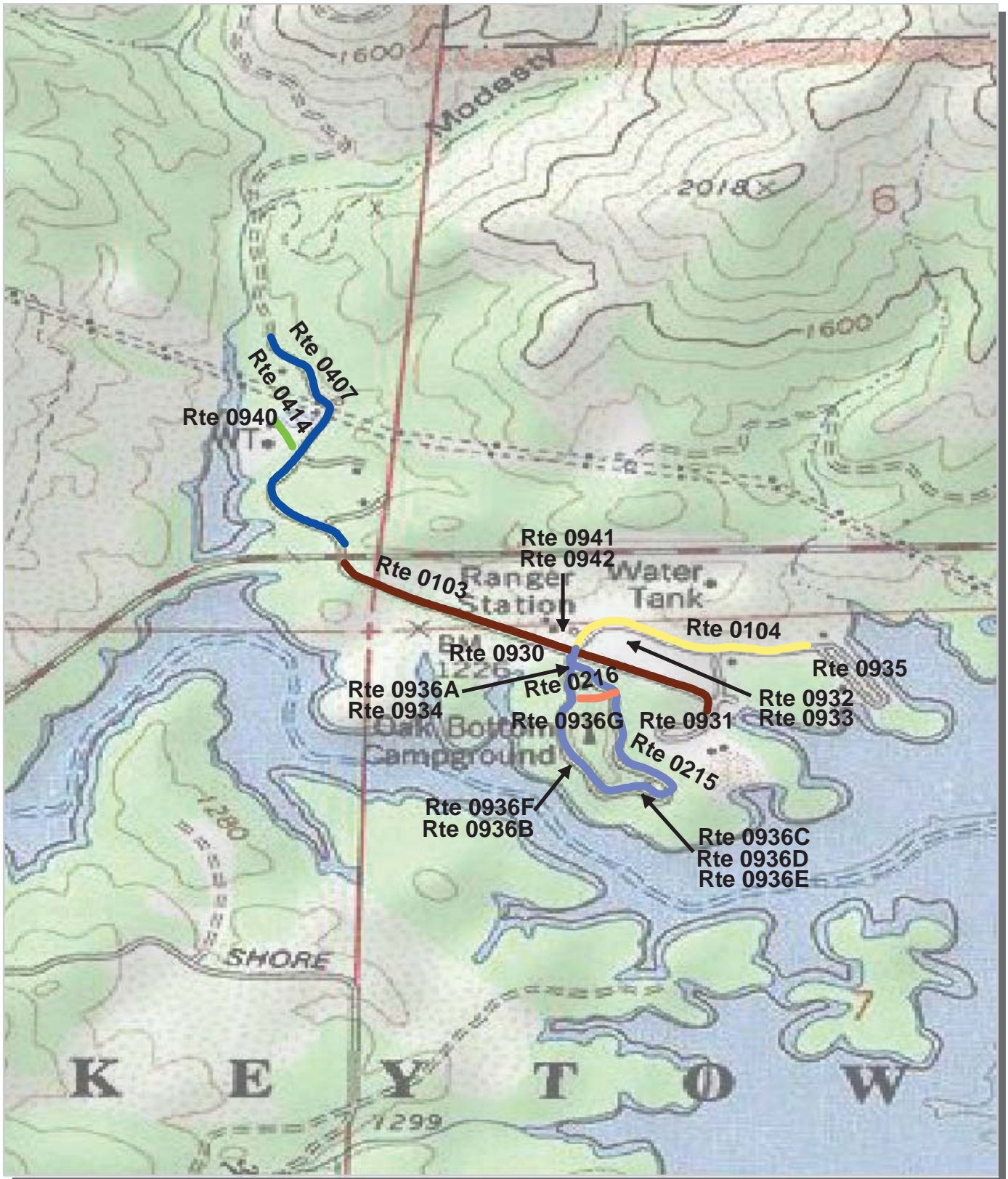
# Whiskeytown-Shasta-Trinity National Recreation Area Route Location Area Map 1



Unique colors used to differentiate routes



# Whiskeytown-Shasta-Trinity National Recreation Area Route Location Area Map 2



Unique colors used to differentiate routes



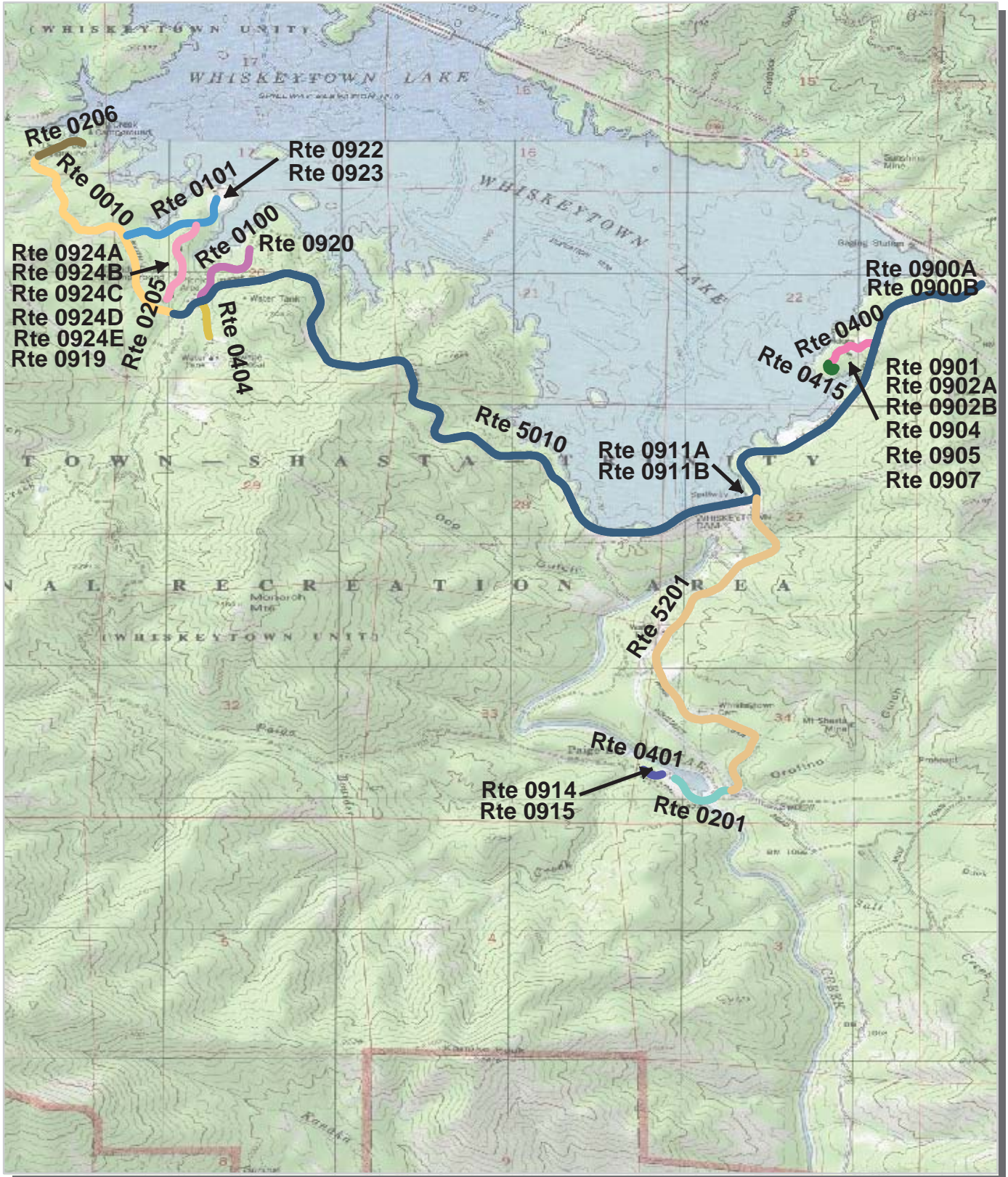
# Whiskeytown-Shasta-Trinity National Recreation Area Route Location Area Map 3



Unique colors used to differentiate routes



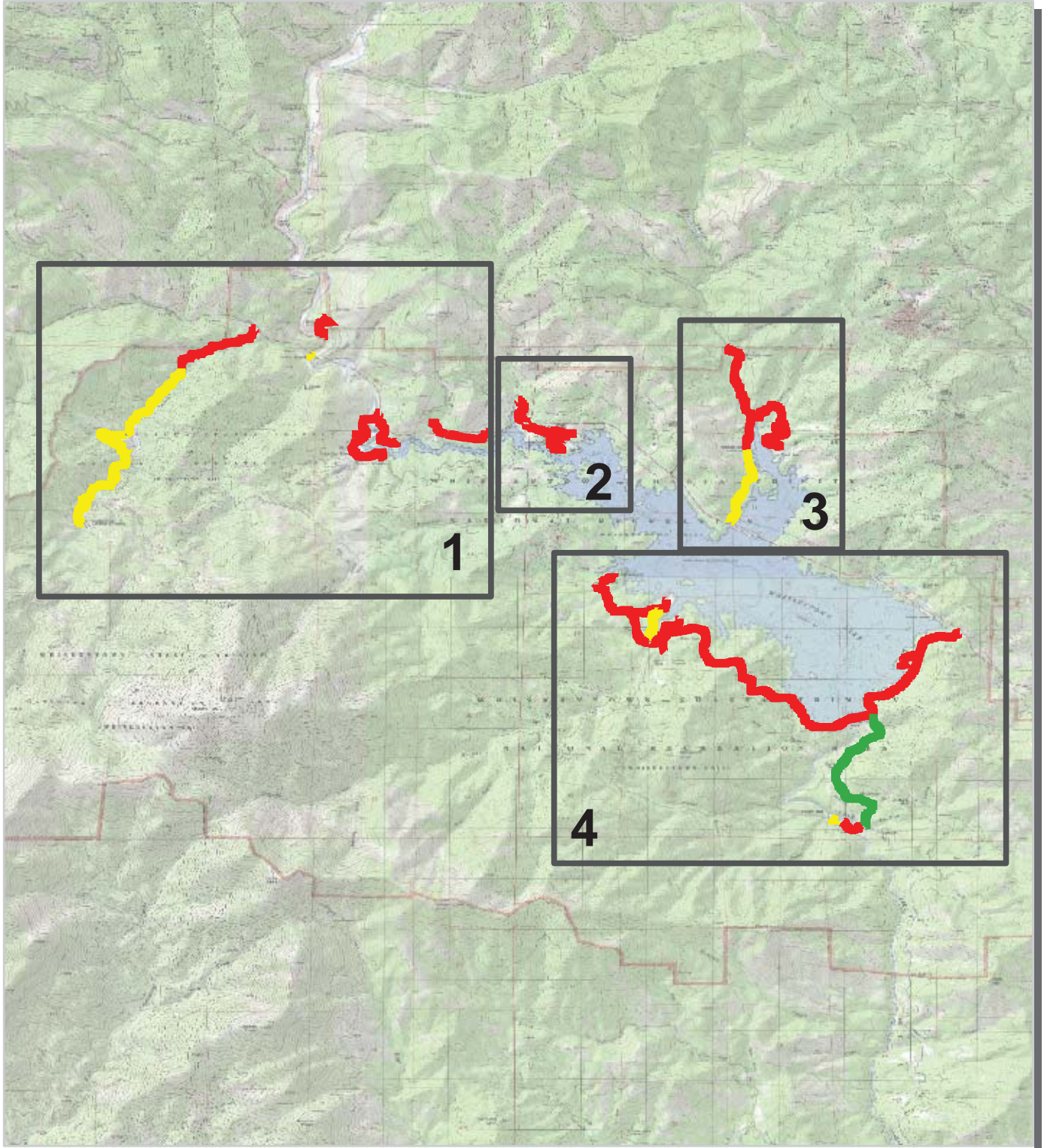
# Whiskeytown-Shasta-Trinity National Recreation Area Route Location Area Map 4







Unique colors used to differentiate routes



# Whiskeytown-Shasta-Trinity National Recreation Area Route Condition Key Map PCR - Mile by Mile

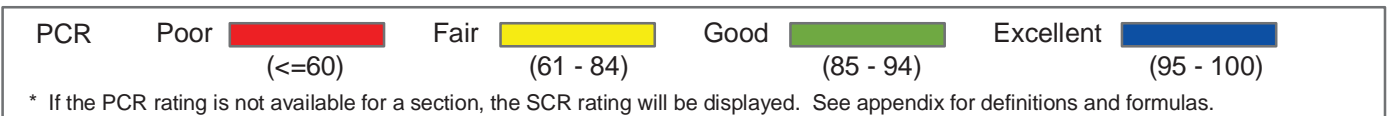
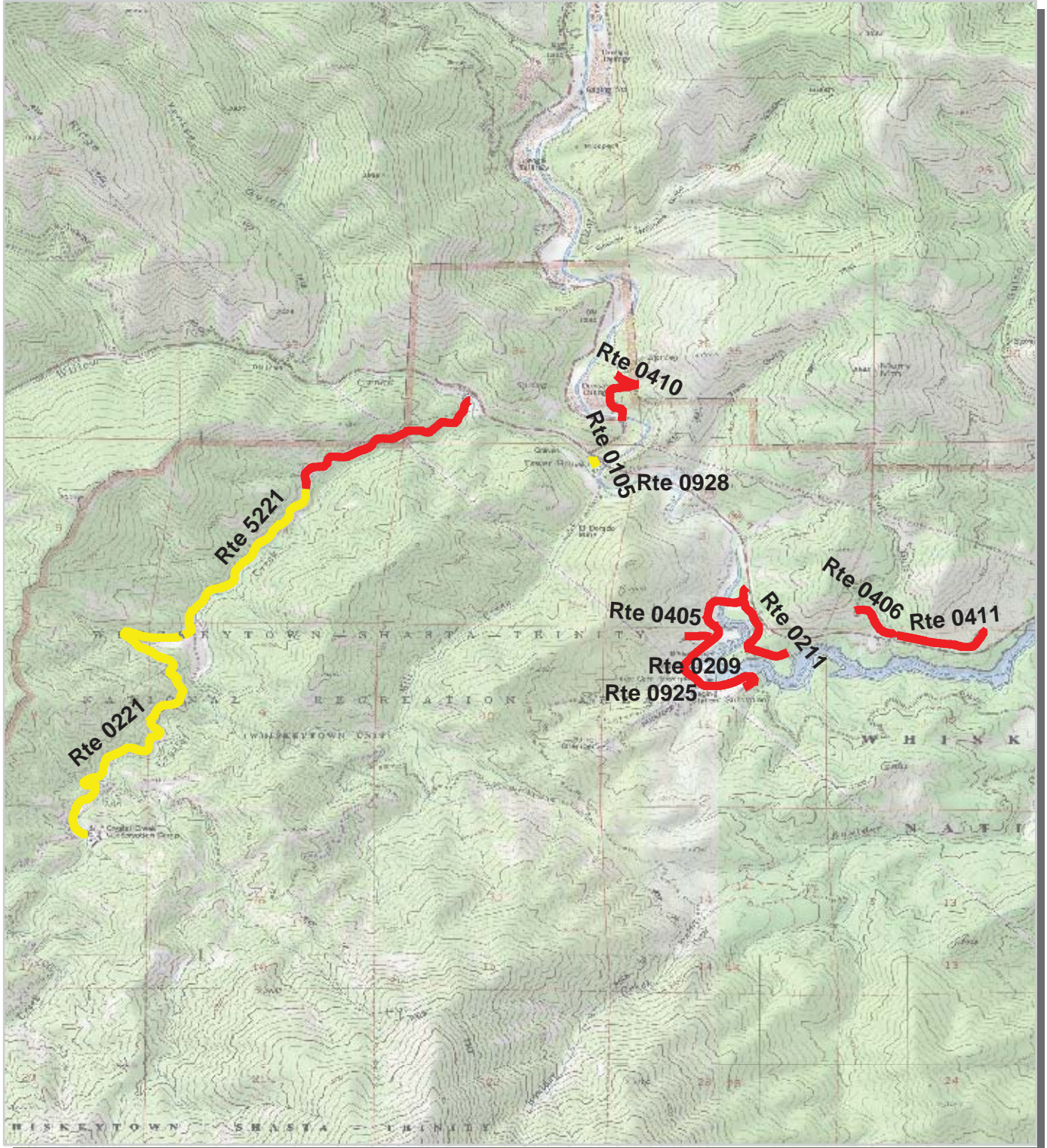


PCR	Poor		Fair		Good		Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

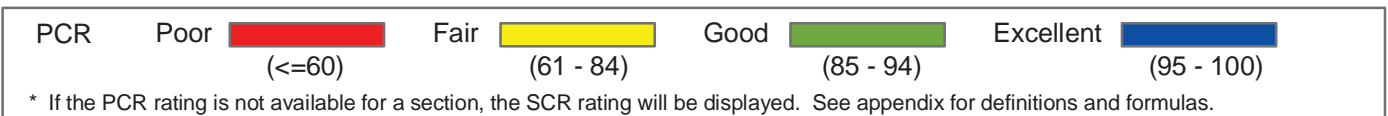
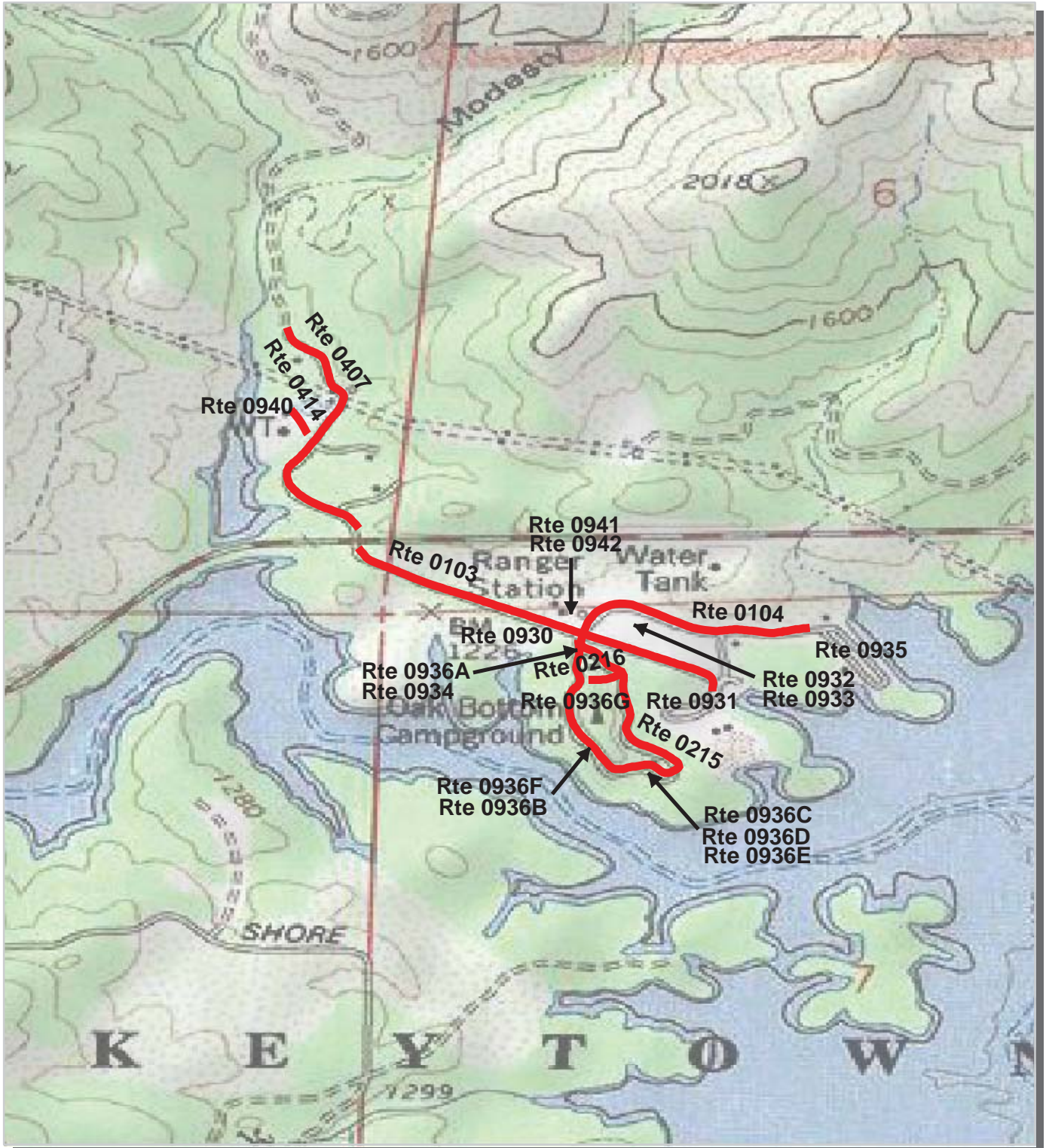
\* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



# Whiskeytown-Shasta-Trinity National Recreation Area Route Condition Area Map 1 PCR - Mile by Mile

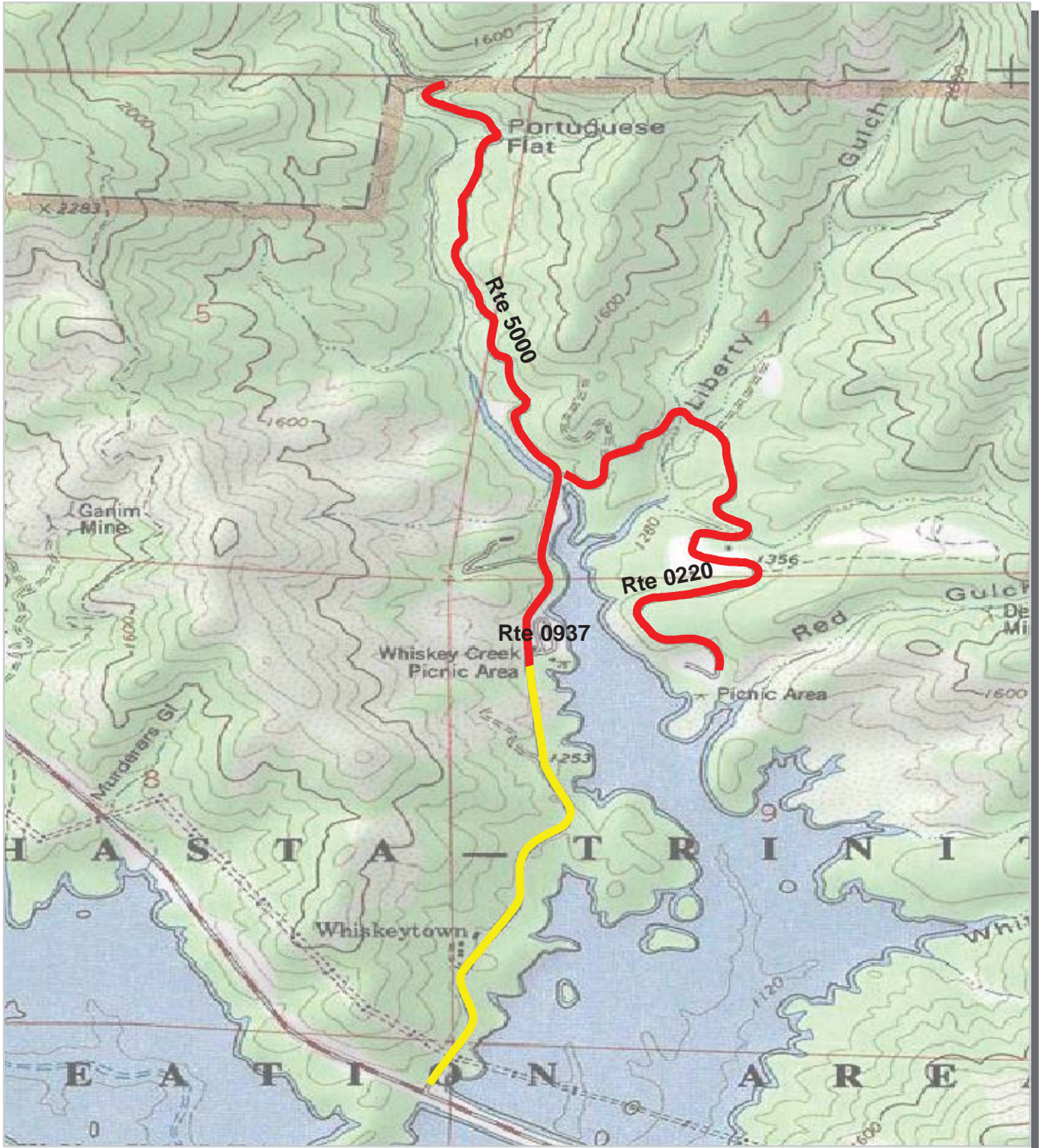


# Whiskeytown-Shasta-Trinity National Recreation Area Route Condition Area Map 2 PCR - Mile by Mile





# Whiskeytown-Shasta-Trinity National Recreation Area Route Condition Area Map 3 PCR - Mile by Mile

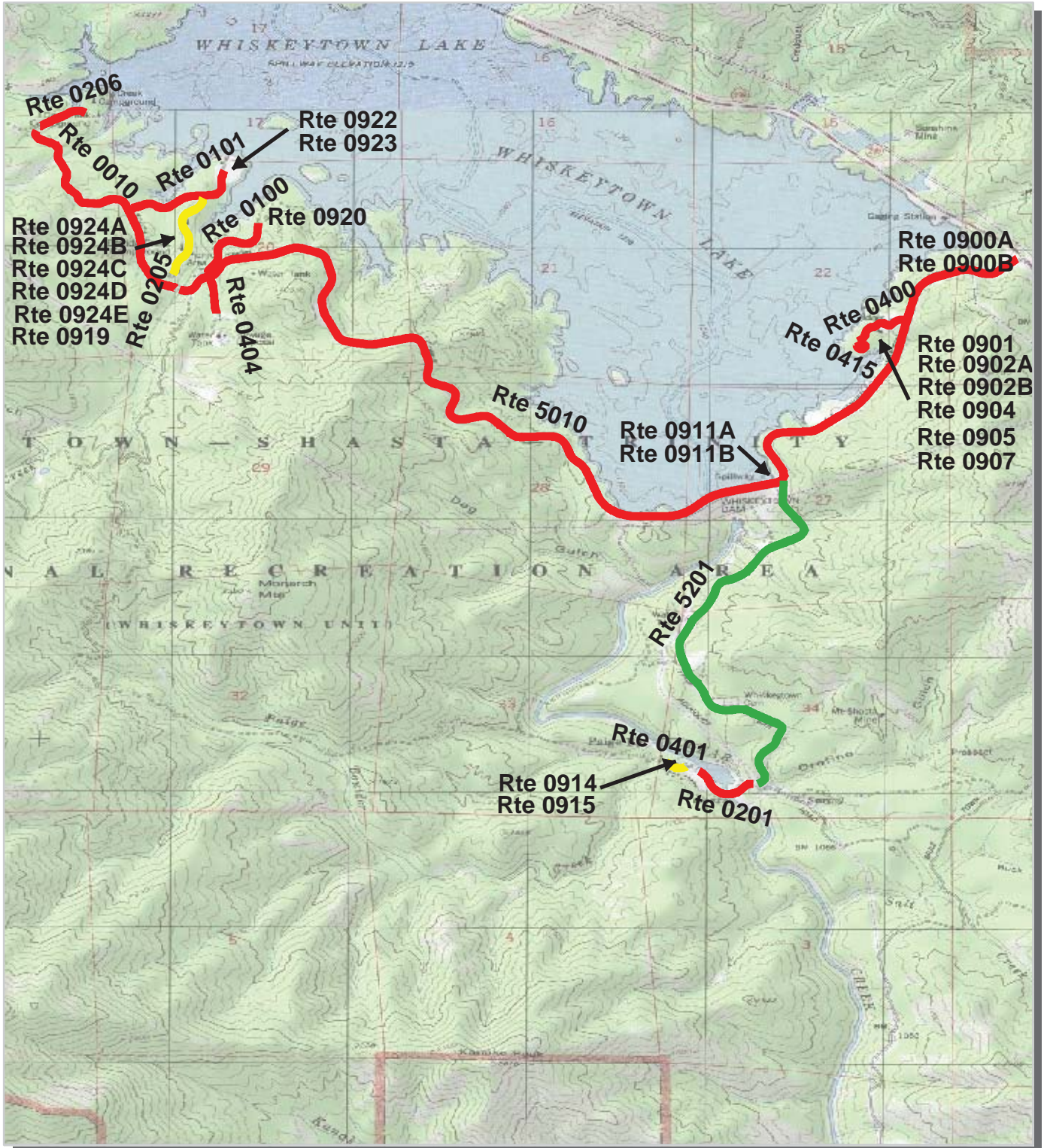


PCR	Poor	<span style="display:inline-block; width:20px; height:10px; background-color:red;"></span>	Fair	<span style="display:inline-block; width:20px; height:10px; background-color:yellow;"></span>	Good	<span style="display:inline-block; width:20px; height:10px; background-color:lightgreen;"></span>	Excellent	<span style="display:inline-block; width:20px; height:10px; background-color:blue;"></span>
		( $\leq 60$ )		(61 - 84)		(85 - 94)		(95 - 100)

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



# Whiskeytown-Shasta-Trinity National Recreation Area Route Condition Area Map 4 PCR - Mile by Mile



PCR	Poor	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; border: 1px solid black;"></span>	Fair	<span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black;"></span>	Good	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; border: 1px solid black;"></span>	Excellent	<span style="display: inline-block; width: 20px; height: 10px; background-color: blue; border: 1px solid black;"></span>
	(<=60)		(61 - 84)		(85 - 94)		(95 - 100)	

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



# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes  
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Grey = Paved Routes, ARAN not Driven

Red =

Green = All Unpaved Parking Areas

Black = Paved State, Local or Private non-NPS Routes, ARAN Driven

Purple =

## WHIS

### Whiskeytown-Shasta-Trinity National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0010	23349	SOUTH SHORE DRIVE EAST	FROM ROUTE 5010, KENNEDY MEMORIAL DRIVE (AFTER BRANDY CREEK BRIDGE)	TO ROUTE 0206	1.04	0.00	1.04	1	2	0	AS
0100	23352	BRANDY CREEK BEACH ROAD	FROM ROUTE 5010	TO ROUTE 0920	0.37	0.00	0.37	2	2	0	AS
0101	23353	BRANDY CREEK MARINA ROAD	FROM ROUTE 0010	TO ROUTE 0922	0.46	0.00	0.46	2	2	0	AS
0103	23354	OAK BOTTOM BEACH ROAD	FROM STATE HIGHWAY 299	TO ROUTE 0931	0.45	0.00	0.45	2	2	0	AS
0104	23356	OAK BOTTOM MARINA ROAD	FROM ROUTE 0103	TO ROUTE 0935	0.28	0.00	0.28	2	2	0	AS
0105		TOWER HOUSE FOOTBRIDGE ACCESS ROAD	FROM STATE HIGHWAY 299	TO END	0.08	0.00	0.08	2	1	0	AS
0150	23359	MILL CREEK ROAD	FROM ROUTE 0209	TO END	0.00	5.00	5.00	2	1	0	GR
0151	23360	SHASTA BALLY ROAD	FROM ROUTE 5010	TO END	0.00	8.15	8.15	2	1	0	GR
0152	23361	SOUTH SHORE DRIVE WEST	FROM ROUTE 0010	TO ROUTE 0209	0.00	5.09	5.09	2	1	0	GR
0153		LAKESHORE ACCESS ROAD	FROM ROUTE 0209	TO END	0.00	0.50	0.50	2	1	0	GR
0154		SHASTA DIVIDE ROAD	FROM STATE HIGHWAY 299	TO POWER TOWER	0.00	1.40	1.40	2	1	0	GR
0201	23365	N.E.E.D. CAMP ROAD	FROM ROUTE 0256	TO ROUTE 0914	0.28	0.00	0.28	3	2	0	AS
0205	23367	BRANDY CREEK MARINA R.V. CAMPGROUND	FROM ROUTE 0101	TO END	0.42	0.00	0.42	3	2	0	AS
0206	23369	DRY CREEK CAMPGROUND	FROM ROUTE 0010	TO ROUTE 0938	0.19	0.00	0.19	3	2	0	AS
0209	23371	CARR POWERHOUSE ROAD	FROM STATE HIGHWAY 299	TO ROUTE 0152	1.10	0.00	1.10	3	2,1	0	AS
0211	23373	CARR LAKE ACCESS ROAD	FROM ROUTE 0209	TO END	0.50	0.00	0.50	3	1	0	AS
0214	23375	TURNOUT LAKE SPUR	FROM ROUTE 0408	TO END	0.00	0.50	0.50	4	1	0	GR
0215		OAK BOTTOM CAMPGROUND LOOP A	FROM ROUTE 0103	TO ROUTE 0103	0.53	0.00	0.53	3	1	0	OC
0216		OAK BOTTOM CAMPGROUND LOOP B	FROM ROUTE 0215	TO ROUTE 0215	0.05	0.00	0.05	3	1	0	OC
0220	23379	WHISKEY CREEK GROUP PICNIC ROAD	FROM ROUTE 5000, WHISKEY CREEK ROAD	TO END	1.36	0.00	1.36	3	1	0	OC
0221		CRYSTAL CREEK CAMP ACCESS ROAD	FROM ROUTE 5221, COUNTY LINE (GATE)	TO END OF BRIDGE	1.97	0.00	1.97	3	1	0	AS
0222		CRYSTAL CREEK CAMPGROUND ROAD	FROM ROUTE 0251	TO ROUTE 0222	0.00	0.20	0.20	3	1	0	GR
0251	23382	CRYSTAL CREEK ROAD	FROM ROUTE 0221	TO ROUTE 0252	0.00	7.30	7.30	4	1	0	OT
0252	23398	COGGINS PARK SPUR	FROM ROUTE 0251	TO END	0.00	0.46	0.46	4	1	0	OT
0253	23400	SHASTA BALLY ROAD WEST	FROM ROUTE 0252	TO END	0.00	1.00	1.00	4	1	0	OT
0255	83013	BRANDY CREEK ROAD	FROM ROUTE 0151	TO END	0.00	1.50	1.50	4	1	0	OT
0256	58121	PAIGE BAR ROAD	FROM ROUTE 0151	TO MULE TOWN ROAD	0.00	4.53	4.53	3	1	0	GR
0258		COUNTY LINE ROAD	FROM PARK BOUNDARY	TO ROUTE 0251	0.00	2.50	2.50	4	1	0	OT
0400	83011	HEADQUARTERS ROAD	FROM ROUTE 5010	TO ROUTE 0415	0.24	0.00	0.24	5	1	0	AS
0401		N.E.E.D. CAMP RESIDENCE ROAD	FROM ROUTE 0914	TO END	0.10	0.05	0.15	5	1	0	AS

# NPS/RIP Route ID Report

(Numerical By Route #)

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Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
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## WHIS

### Whiskeytown-Shasta-Trinity National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0402		N.E.E.D. CAMP SERVICE ROAD	FROM ROUTE 0201	TO END	0.00	0.19	0.19	6	1	0	GR
0404	83010	BRANDY CREEK SERVICE ROAD SOUTH	FROM ROUTE 5010	TO ROUTE 0917	0.17	0.00	0.17	6	1	0	AS
0405		CARR POWERHOUSE SERVICE ROAD	FROM ROUTE 0209	TO END	0.14	0.00	0.14	5	1	0	AS
0406	37948	QUARTERS 324 ROAD	FROM STATE HIGHWAY 299	TO END	0.28	0.00	0.28	6	2	0	AS
0407	83009	GRIZZLY GULCH ROAD	FROM STATE HIGHWAY 299	TO END OF PAVEMENT	0.38	0.00	0.38	5	2	0	AS
0408	83012	DISPOSAL POND ROAD	FROM STATE HIGHWAY 299	TO END	0.00	0.68	0.68	5	1	0	OT
0409	83014	MERRY MOUNTAIN ROAD	FROM STATE HIGHWAY 299	TO ROUTE 0410	0.00	0.62	0.62	5	1	0	OT
0410	83015	TOWER RESIDENCE ROAD	FROM TRINITY MOUNTAIN ROAD	TO END AT GATE	0.43	0.00	0.43	6	1	0	AS
0411		BULL GULCH SERVICE ROAD	FROM ROUTE 0406	TO END	0.45	0.10	0.55	6	1	0	AS
0413		SOUTH FORK MOUNTAIN LOOKOUT ROAD	FROM STATE HIGHWAY 299	TO END OF PAVEMENT	0.00	0.30	0.30	5	2	0	GR
0414		GRIZZLY GULCH WATER TANK ACCESS ROAD	FROM ROUTE 0407	TO ROUTE 0940	0.06	0.00	0.06	5	1	0	OC
0415		GOVERNMENT BOAT LAUCH LOOP	FROM ROUTE 0400	TO ROUTE 0400	0.11	0.00	0.11	5	1	0	OC
0416		WATER TANK ACCESS ROAD	FROM ROUTE 5201	TO END	0.00	0.10	0.10	6	1	0	OT
0417		BRANDY CREEK PUMPHOUSE ROAD	FROM ROUTE 0920	TO END	0.00	0.50	0.50	6	1	0	GR
0418		BRANDY CREEK TREATMENT PLANT ROAD	FROM ROUTE 0404	TO END	0.00	0.00	0.00	6	1	0	GR
0419		BRANDY CREEK WATER TANK SERVICE ROAD	FROM ROUTE 0404	TO END	0.00	0.20	0.20	6	1	0	GR
0420		BRANDY CREEK PUMPHOUSE SERVICE ROAD	FROM ROUTE 5010	TO END	0.00	0.10	0.10	6	1	0	GR
0421		EAST BEACH ACCESS ROAD	FROM ROUTE 5010	TO END	0.00	0.10	0.10	6	1	0	GR
0422		ORFINO SERVICE ROAD	FROM ROUTE 5201	TO POWER TOWER	0.00	1.80	1.80	6	1	0	GR
0900A		VISITOR CENTER PARKING A	FROM ROUTE 5010	TO ROUTE 5010	0.00	0.00	0.00	9	0	1,507	NC
0900B		VISITOR CENTER PARKING B	FROM ROUTE 5010	TO PARKING	0.00	0.00	0.00	9	0	17,902	NC
0901		PARK HEADQUARTERS VISITOR PARKING	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	5,173	AS
0902A		PARK HEADQUARTERS EMPLOYEE PARKING A	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	6,387	AS
0902B		PARK HEADQUARTERS EMPLOYEE PARKING B	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	2,134	AS
0903		PARK HEADQUARTERS EMPLOYEE PARKING (UNPAVED)	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	1,710	GR
0904		MAINTENANCE YARD	FROM ROUTE 0400	TO MAINTENANCE YARD	0.00	0.00	0.00	9	0	16,401	AS

# NPS/RIP Route ID Report

(Numerical By Route #)

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### Whiskeytown-Shasta-Trinity National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0905		HEADQUARTERS ADMINISTRATIVE PARKING	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	3,785	AS
0907		HEADQUARTERS GOVERNMENT CAR PARKING	FROM ROUTE 0400	TO PARKING	0.00	0.00	0.00	9	0	1,133	AS
0908		DROP BOX	FROM ROUTE 5010	TO DROP BOX	0.00	0.00	0.00	9	0	12,118	GR
0909		EAST BEACH PARKING	FROM ROUTE 5010	TO PARKING	0.00	0.00	0.00	9	0	6,600	GR
0910		KENNEDY MEMORIAL VISTAS PARKING	FROM ROUTE 5010	TO PARKING	0.00	0.00	0.00	9	0	15,099	GR
0911A		KENNEDY MONUMENT / DAM PARKING A	FROM ROUTE 5010	TO PARKING	0.00	0.00	0.00	9	0	7,939	AS
0911B		KENNEDY MONUMENT / DAM PARKING B	FROM ROUTE 5010	TO ROUTE 5201	0.00	0.00	0.00	9	0	25,562	AS
0912		MOUNT SHASTA MINE LOOP TRAILHEAD PARKING	FROM ROUTE 5201	TO PARKING	0.00	0.00	0.00	9	0	49,941	GR
0913		N.E.E.D. CAMP OVERFLOW PARKING	FROM ROUTE 0201	TO PARKING	0.00	0.00	0.00	9	0	9,650	GR
0914		N.E.E.D. CAMP PARKING	FROM ROUTE 0201	TO ROUTE 0401	0.00	0.00	0.00	9	0	13,442	AS
0915		N.E.E.D. CAMP CAFETERIA ACCESS PARKING	FROM ROUTE 0401	TO PARKING	0.00	0.00	0.00	9	0	2,526	AS
0916		DAVIS GULCH TRAILHEAD PARKING	FROM ROUTE 5010	TO PARKING	0.00	0.00	0.00	9	0	5,115	GR
0917		BRANDY CREEK STORAGE YARD	FROM ROUTE 0404	TO STORAGE YARD	0.00	0.00	0.00	9	0	10,050	GR
0918		BRANDY CREEK BEACH RESTROOM PARKING	FROM ROUTE 0100	TO PARKING	0.00	0.00	0.00	9	0	11,870	GR
0919		BRANDY CREEK PARKING LOT A	FROM ROUTE 0100	TO PARKING	0.00	0.00	0.00	9	0	45,142	OC
0920		BRANDY CREEK PARKING LOT B	FROM ROUTE 0100	TO PARKING	0.00	0.00	0.00	9	0	113,069	OC
0921		BRANDY CREEK FALLS TRAILHEAD PARKING	FROM ROUTE 0151	TO PARKING	0.00	0.00	0.00	9	0	3,445	GR
0922		BRANDY CREEK MARINA PARKING	FROM ROUTE 0101	TO PARKING	0.00	0.00	0.00	9	0	181,166	OC
0923		DRY STORAGE AREA	FROM ROUTE 0922	TO ROUTE 0101	0.00	0.00	0.00	9	0	22,297	OC
0924A		BRANDY CREEK R.V. PARKING A	FROM ROUTE 0205	TO PARKING	0.00	0.00	0.00	9	0	3,342	AS
0924B		BRANDY CREEK R.V. PARKING B	FROM ROUTE 0205	TO PARKING	0.00	0.00	0.00	9	0	5,638	AS
0924C		BRANDY CREEK R.V. PARKING C	FROM ROUTE 0205	TO PARKING	0.00	0.00	0.00	9	0	2,773	AS
0924D		BRANDY CREEK R.V. PARKING D	FROM ROUTE 0205	TO PARKING	0.00	0.00	0.00	9	0	4,222	AS
0924E		BRANDY CREEK R.V. PARKING E	FROM ROUTE 0205	TO PARKING	0.00	0.00	0.00	9	0	4,579	AS
0925		CARR PICNIC AREA PARKING	FROM ROUTE 0209	TO ROUTE 0209	0.00	0.00	0.00	9	0	21,238	AS
0926		CARR STORAGE YARD	FROM ROUTE 0405	TO STORAGE YARD	0.00	0.00	0.00	9	0	16,186	GR
0927		ROPE SWING PARKING	FROM STATE HIGHWAY 299	TO PARKING	0.00	0.00	0.00	9	0	5,265	GR

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

## WHIS

### Whiskeytown-Shasta-Trinity National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0928		TOWER HOUSE HISTORIC DISTRICT PARKING	FROM STATE HIGHWAY 299	TO PARKING	0.00	0.00	0.00	9	0	30,413	AS
0929		OAK BOTTOM WATER DITCH TRAIL PARKING	FROM ROUTE 0103	TO PARKING	0.00	0.00	0.00	9	0	7,172	GR
0930		OAK BOTTOM CAMPGROUND STORE PARKING	FROM ROUTE 0103	TO ROUTE 0104	0.00	0.00	0.00	9	0	9,387	OC
0931		OAK BOTTOM BEACH PARKING	FROM ROUTE 0103	TO PARKING	0.00	0.00	0.00	9	0	36,362	OC
0932		OAK BOTTOM R.V. CAMP PARKING	FROM ROUTE 0104	TO ROUTE 0104	0.00	0.00	0.00	9	0	38,873	OC
0933		OAK BOTTOM LAUNCH RAMP	FROM ROUTE 0104	TO ROUTE 0103	0.00	0.00	0.00	9	0	129,803	OC
0934		OAK BOTTOM R.V. DUMP STATION PARKING	FROM ROUTE 0103	TO ROUTE 0103	0.00	0.00	0.00	9	0	6,608	OC
0935		OAK BOTTOM MARINA PARKING	FROM ROUTE 0104	TO PARKING	0.00	0.00	0.00	9	0	57,068	OC
0936A		OAK BOTTOM CAMPGROUND PARKING A	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	1,150	OC
0936B		OAK BOTTOM CAMPGROUND PARKING B	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	2,359	OC
0936C		OAK BOTTOM CAMPGROUND PARKING C	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	2,078	OC
0936D		OAK BOTTOM CAMPGROUND PARKING D	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	3,032	OC
0936E		OAK BOTTOM CAMPGROUND PARKING E	FROM ROUTE 0215	TO ROUTE 0215	0.00	0.00	0.00	9	0	3,750	OC
0936F		OAK BOTTOM CAMPGROUND PARKING F	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	2,821	OC
0936G		OAK BOTTOM CAMPGROUND PARKING G	FROM ROUTE 0215	TO PARKING	0.00	0.00	0.00	9	0	3,094	OC
0937		WHISKEY CREEK BOAT LAUNCH PARKING	FROM ROUTE 5000	TO PARKING	0.00	0.00	0.00	9	0	66,413	AS
0938		DRY CREEK CAMPGROUND PARKING	FROM ROUTE 0206	TO PARKING	0.00	0.00	0.00	9	0	22,480	GR
0940		GRIZZLY GULCH WATER TANK ACCESS PARKING	FROM ROUTE 0414	TO PARKING	0.00	0.00	0.00	9	0	379	OC
0941		OAK BOTTOM CAMPGROUND STORE EMPLOYEE PARKING	FROM ROUTE 0104	TO PARKING	0.00	0.00	0.00	9	0	5,752	OC
0942		RESIDENCE 302 AND 303 PARKING	FROM ROUTE 0104	TO PARKING	0.00	0.00	0.00	9	0	3,867	OC
0943		MILL CREEK TRAILHEAD PARKING	FROM ROUTE 0221	TO PARKING	0.00	0.00	0.00	9	0	276	GR
5000		WHISKEY CREEK ROAD	FROM STATE HIGHWAY 299	TO PARK BOUNDARY	2.47	0.00	2.47	2	2	0	AS
5010		KENNEDY MEMORIAL DRIVE	FROM STATE HIGHWAY 299	TO ROUTE 0010	4.70	0.00	4.70	8	2	0	AS

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

## WHIS

### Whiskeytown-Shasta-Trinity National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
5201		PAIGE BAR ROAD	FROM ROUTE 5010, KENNEDY MEMORIAL DRIVE	TO ROUTE 0201	1.86	0.00	1.86	8	2	0	AS
5221		CRYSTAL CREEK ROAD	FROM STATE HIGHWAY 299	TO ROUTE 0221 AT COUNTY LINE	2.06	0.00	2.06	3	2	0	AS
<b>Totals:</b>					<b>22.53</b>	<b>42.87</b>	<b>65.40</b>			<b>1,087,545</b>	

#### General Park Road Functional Classification Table

- Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999
- Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.
- Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.
- Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.  
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.
- Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
- Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.  
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.
- Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
- Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.
- Class 9 Boat Ramp - (Public and Administrative) Route Numbers 800-899.  
Parking Area - (Public and Administrative) Route Numbers 900-1999.

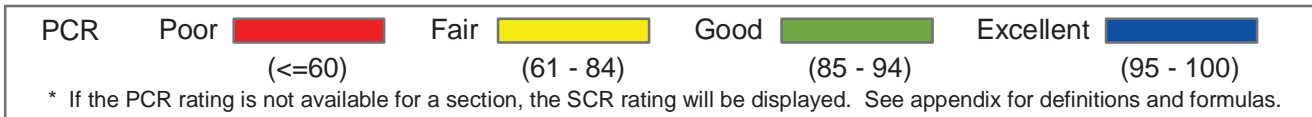
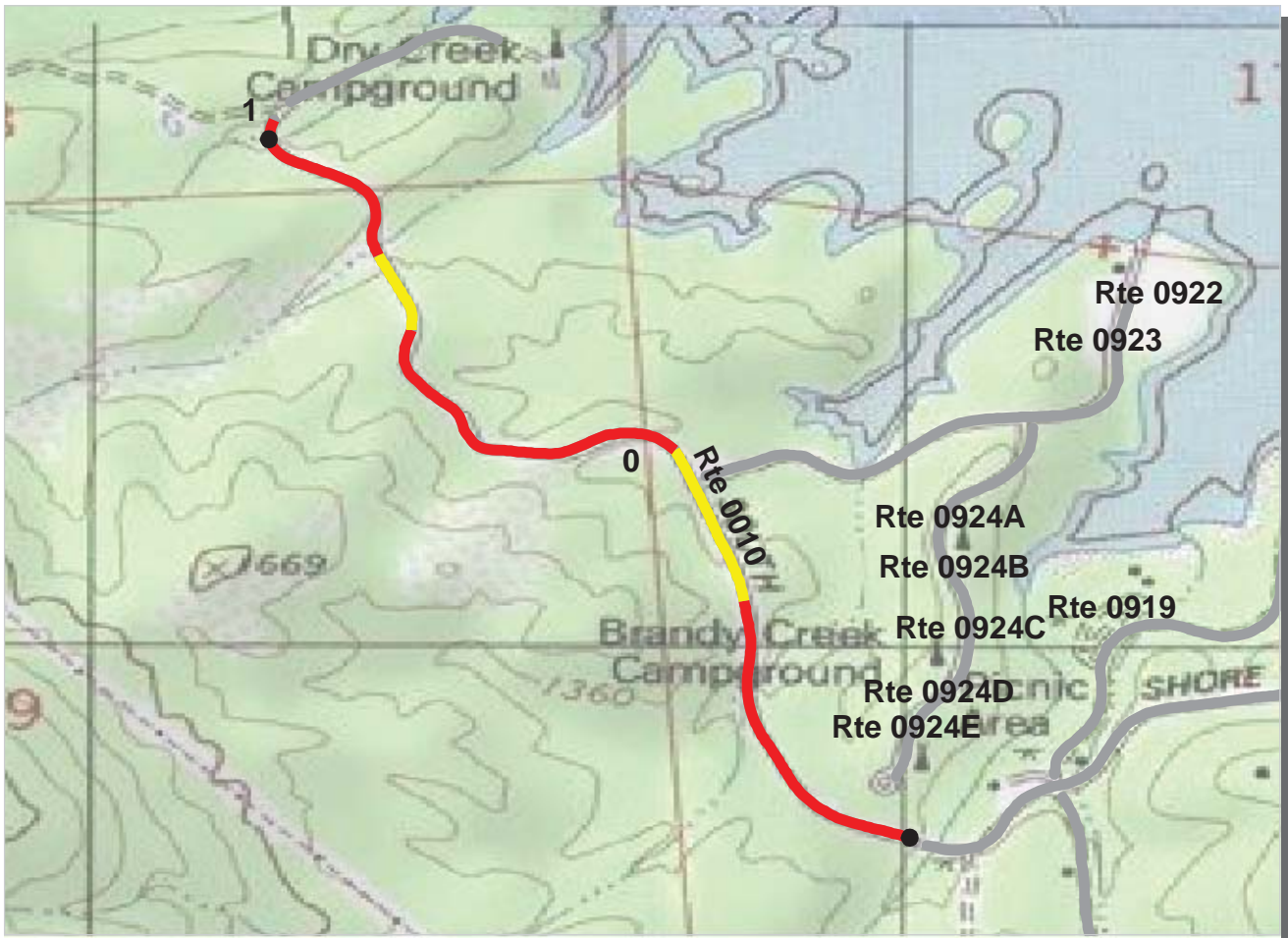
#### Surface Type Abbreviations:

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

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

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

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



**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

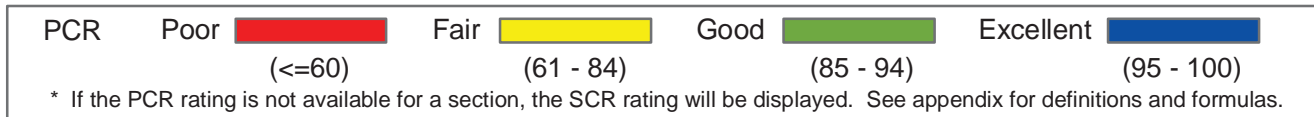
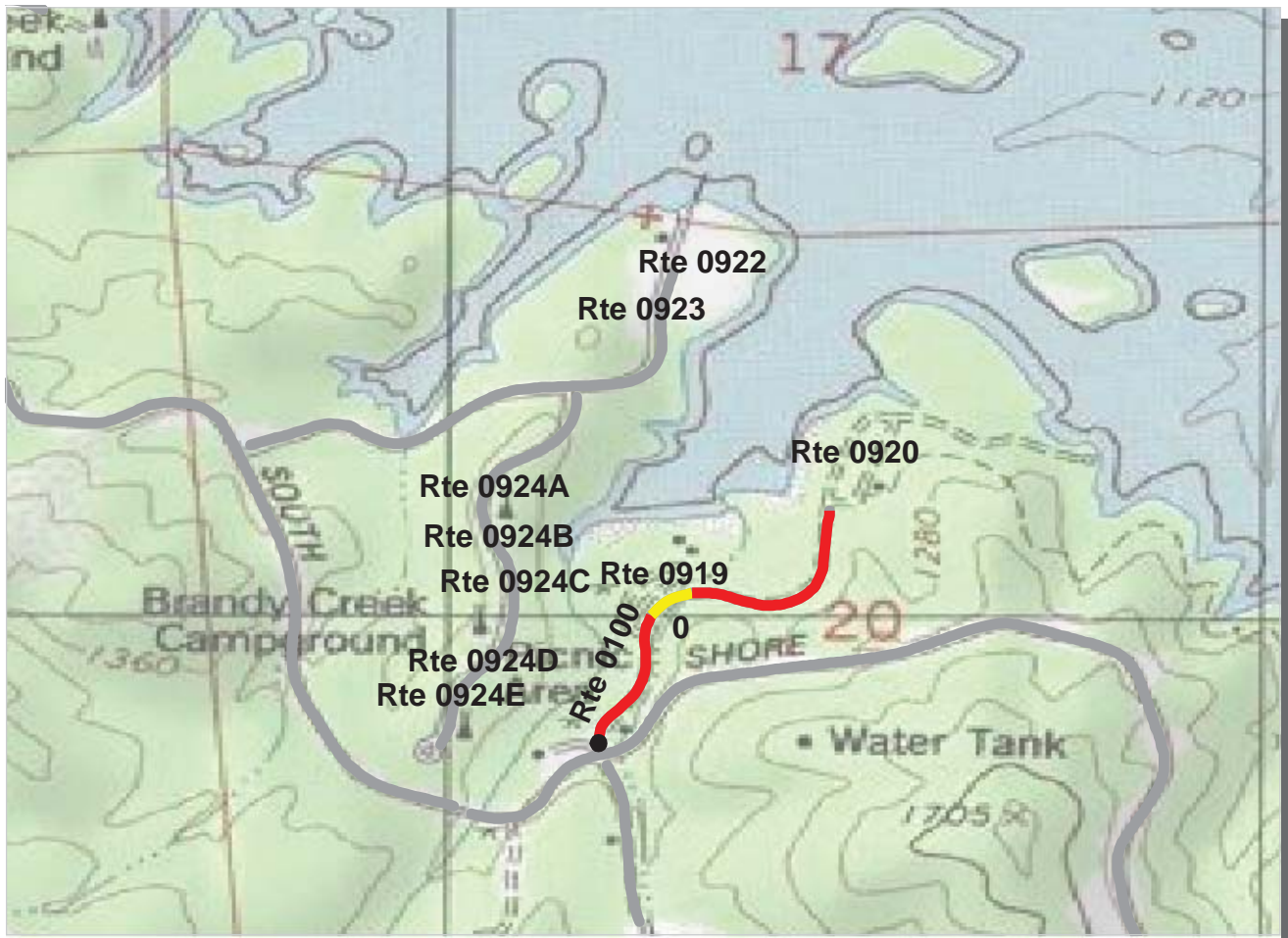
**ROUTE: 0010 SOUTH SHORE DRIVE EAST TOTAL LENGTH: 1.04 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.04			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	22	19			
Lane Width (ft)	10	10			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	48	37			
RCI (Roughness Condition Index)	67	44			
SCR (Surface Condition Rating)	35	33			
Alligator Cracking Index	99	100			
Rutting Index	48	51			
Patching Index	100	100			
Transverse Cracking Index	92	89			
Longitudinal Cracking Index	94	92			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0010 SOUTH SHORE DRIVE EAST

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0100 BRANDY CREEK BEACH ROAD**

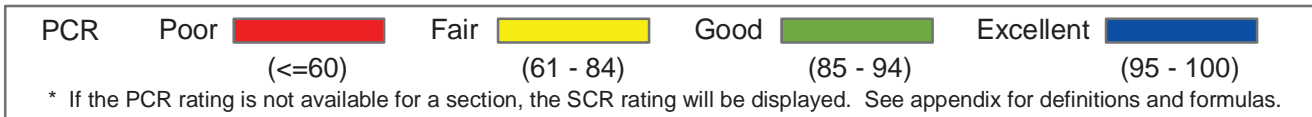
**TOTAL LENGTH: 0.37 Miles**

Section Number	0				
Section Length (mi)	0.37				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	47				
RCI (Roughness Condition Index)	63				
SCR (Surface Condition Rating)	40				
Alligator Cracking Index	98				
Rutting Index	60				
Patching Index	99				
Transverse Cracking Index	89				
Longitudinal Cracking Index	92				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0100 BRANDY CREEK BEACH ROAD**

\* NC designates data not collected N/A designates not applicable

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



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0101 BRANDY CREEK MARINA ROAD**

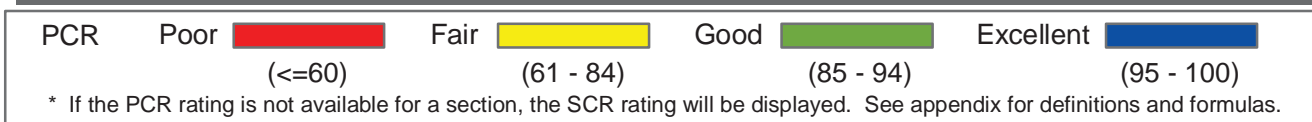
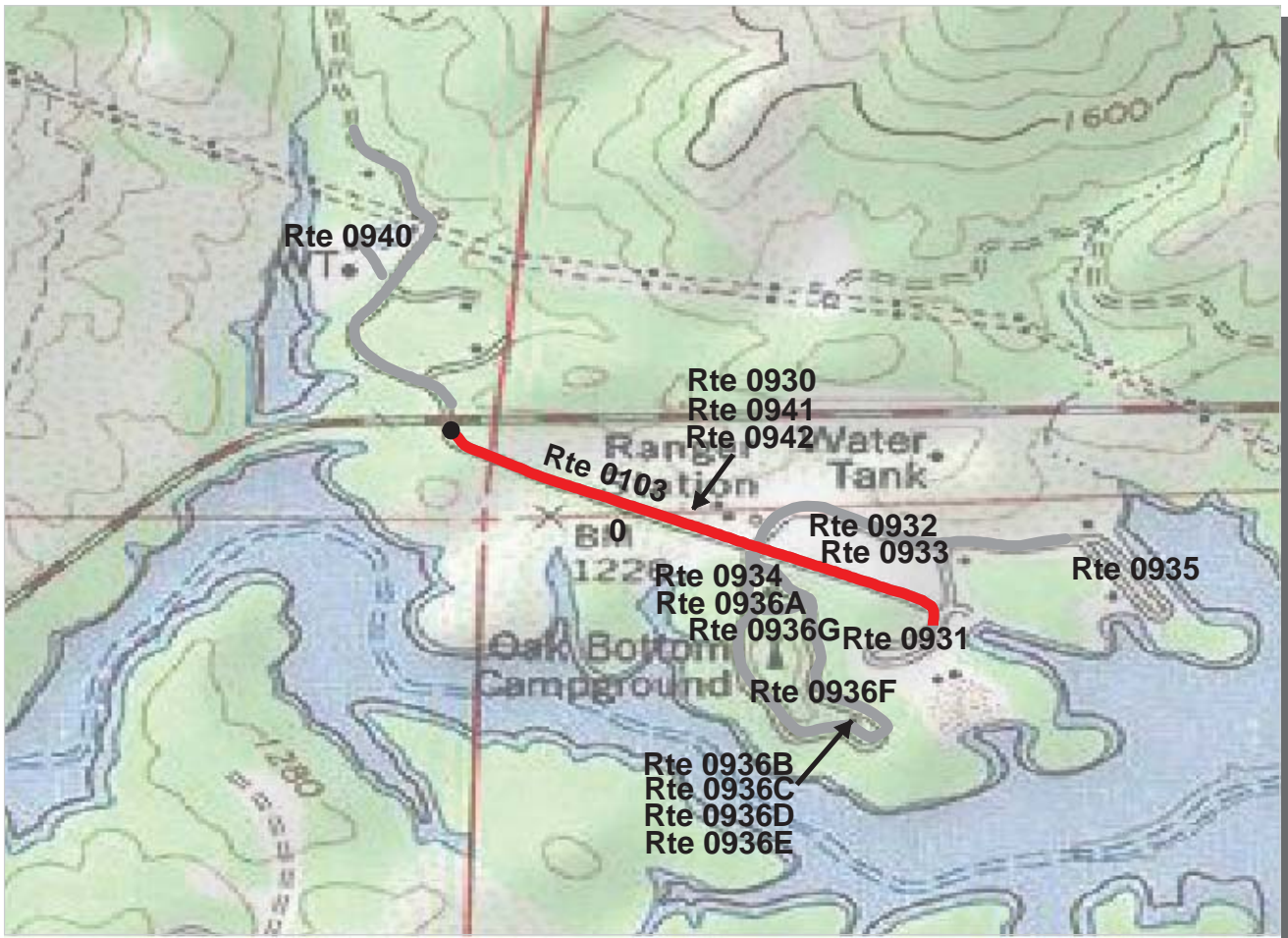
**TOTAL LENGTH: 0.46 Miles**

Section Number	0				
Section Length (mi)	0.46				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	57				
RCI (Roughness Condition Index)	75				
SCR (Surface Condition Rating)	45				
Alligator Cracking Index	99				
Rutting Index	56				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0101 BRANDY CREEK MARINA ROAD**

\* NC designates data not collected N/A designates not applicable

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



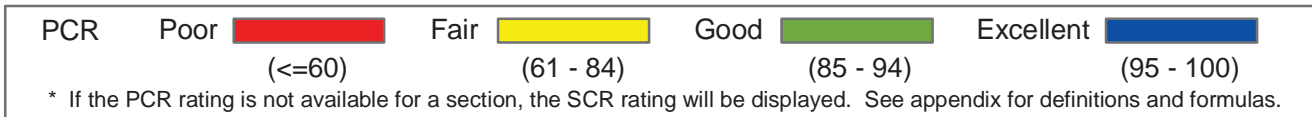
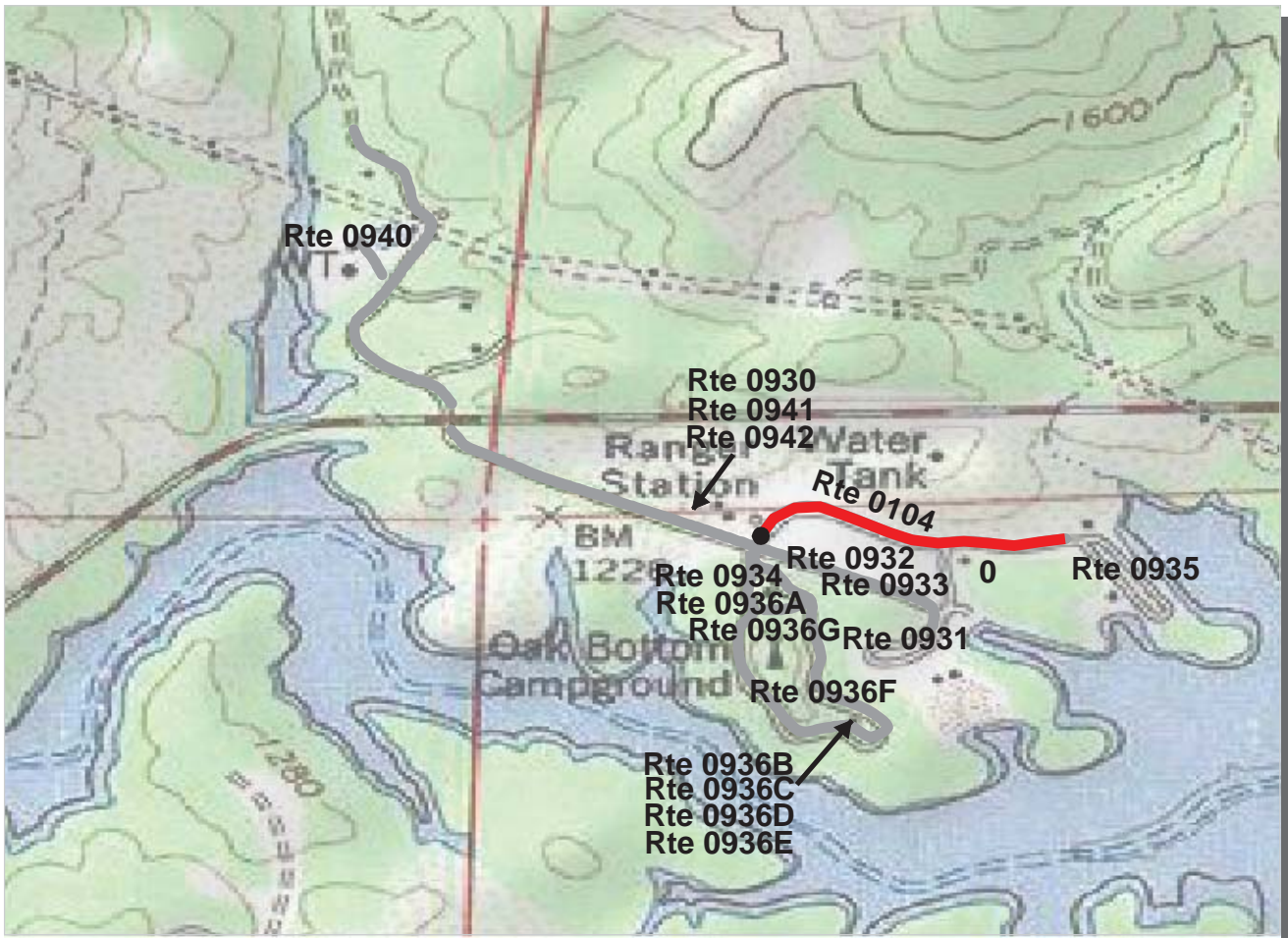
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0103 OAK BOTTOM BEACH ROAD** **TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	51				
RCI (Roughness Condition Index)	71				
SCR (Surface Condition Rating)	43				
Alligator Cracking Index	99				
Rutting Index	49				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0103 OAK BOTTOM BEACH ROAD**

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0104 OAK BOTTOM MARINA ROAD**

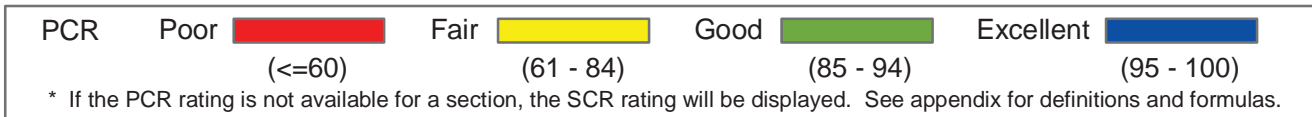
**TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	45				
RCI (Roughness Condition Index)	63				
SCR (Surface Condition Rating)	39				
Alligator Cracking Index	99				
Rutting Index	49				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0104 OAK BOTTOM MARINA ROAD**

\* NC designates data not collected N/A designates not applicable

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



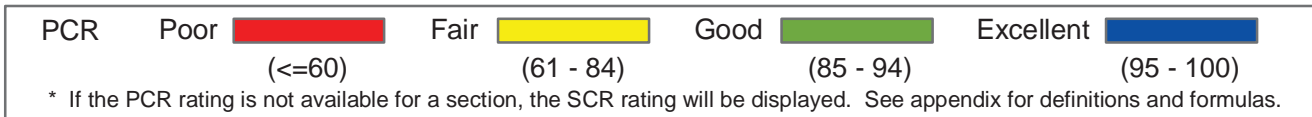
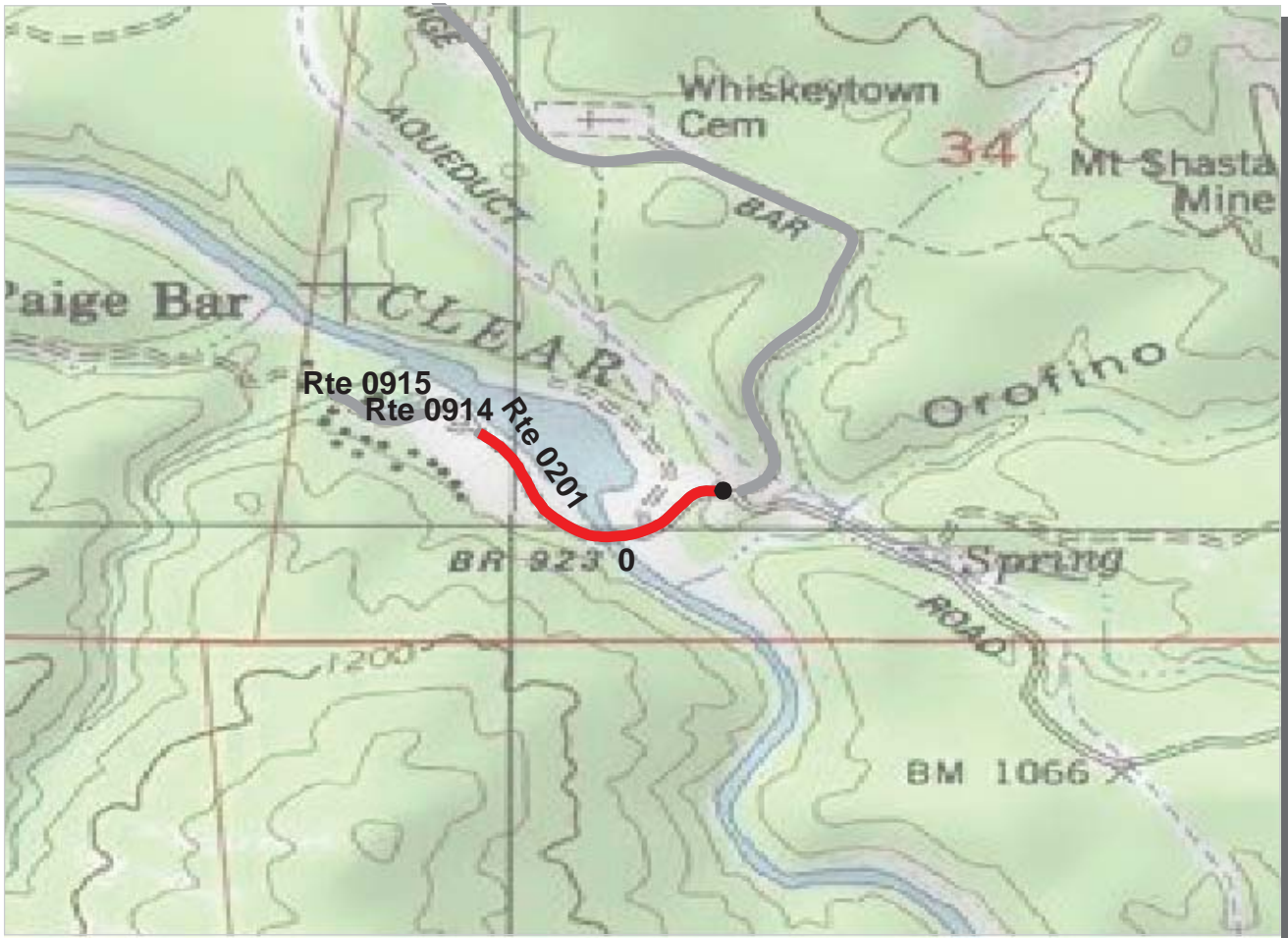
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0105 TOWER HOUSE FOOTBRIDGE ACCESS ROAD** **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	68				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	68				
Alligator Cracking Index	98				
Rutting Index	72				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0105 TOWER HOUSE FOOTBRIDGE ACCESS ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



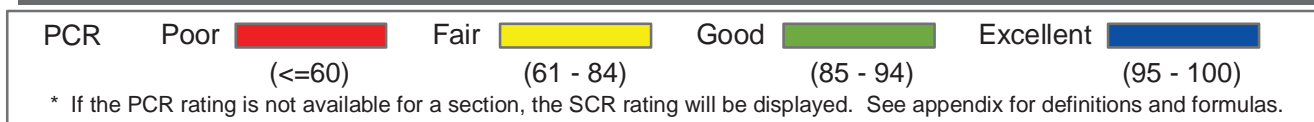
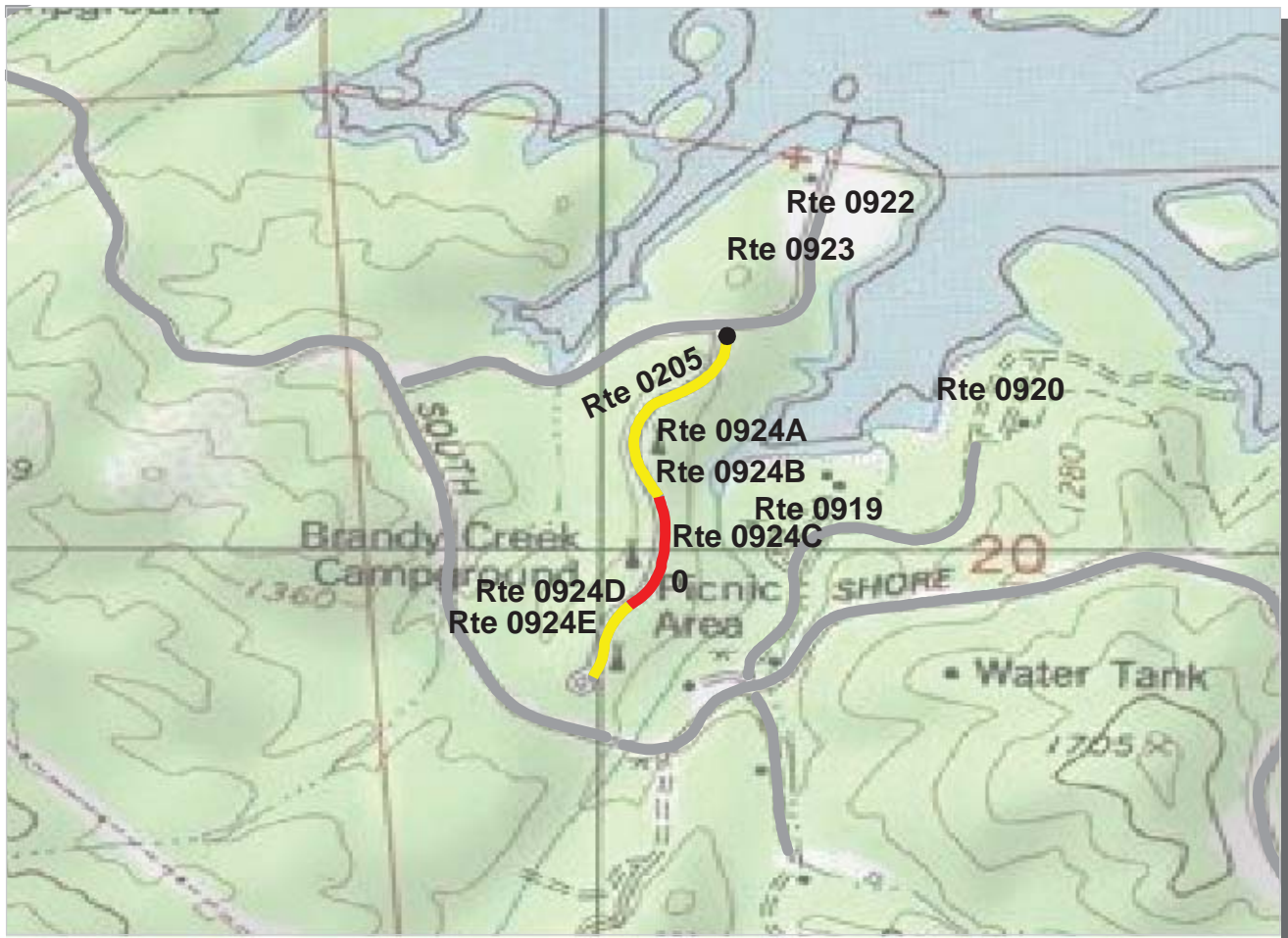
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0201 N.E.E.D. CAMP ROAD** **TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	51				
SCR (Surface Condition Rating)	41				
Alligator Cracking Index	84				
Rutting Index	56				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0201 N.E.E.D. CAMP ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0205 BRANDY CREEK MARINA R.V. CAMPGROUND**

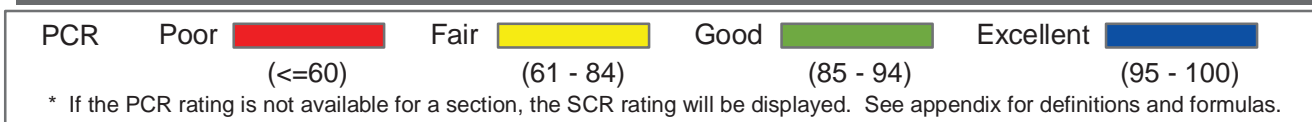
**TOTAL LENGTH: 0.42 Miles**

Section Number	0				
Section Length (mi)	0.42				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	63				
RCI (Roughness Condition Index)	82				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	99				
Rutting Index	57				
Patching Index	100				
Transverse Cracking Index	97				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0205 BRANDY CREEK MARINA R.V. CAMPGROUND

\* NC designates data not collected N/A designates not applicable

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



**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

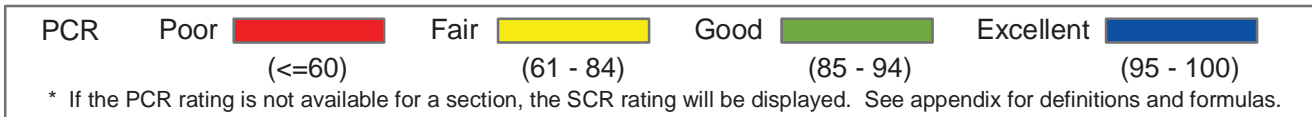
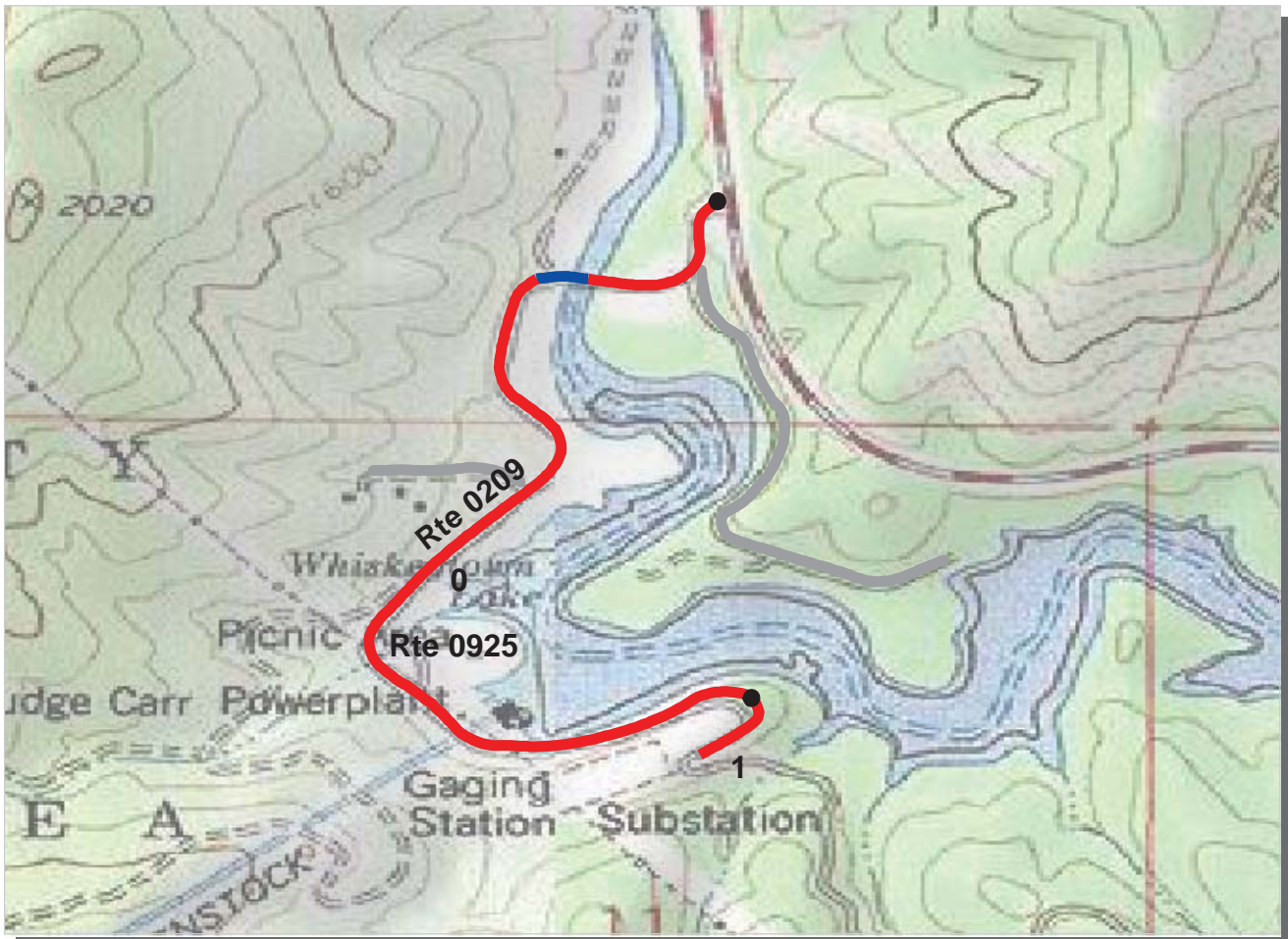
**ROUTE: 0206 DRY CREEK CAMPGROUND** **TOTAL LENGTH: 0.19 Miles**

Section Number	0				
Section Length (mi)	0.19				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	24				
RCI (Roughness Condition Index)	28				
SCR (Surface Condition Rating)	25				
Alligator Cracking Index	82				
Rutting Index	40				
Patching Index	99				
Transverse Cracking Index	98				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0206 DRY CREEK CAMPGROUND**

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0209 CARR POWERHOUSE ROAD**

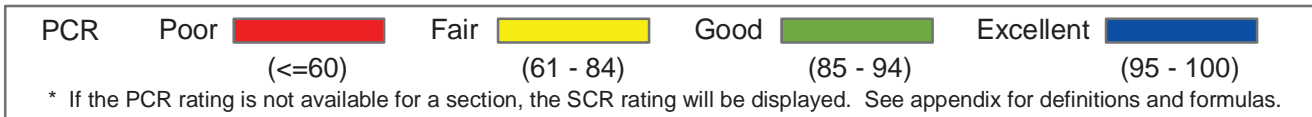
**TOTAL LENGTH: 1.10 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.10			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	20	18			
Lane Width (ft)	10	10			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	34	44			
RCI (Roughness Condition Index)	41	39			
SCR (Surface Condition Rating)	29	43			
Alligator Cracking Index	85	97			
Rutting Index	53	53			
Patching Index	99	99			
Transverse Cracking Index	89	95			
Longitudinal Cracking Index	94	96			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	POOR	POOR			

ROUTE: 0209 CARR POWERHOUSE ROAD

\* NC designates data not collected N/A designates not applicable

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



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0211 CARR LAKE ACCESS ROAD**

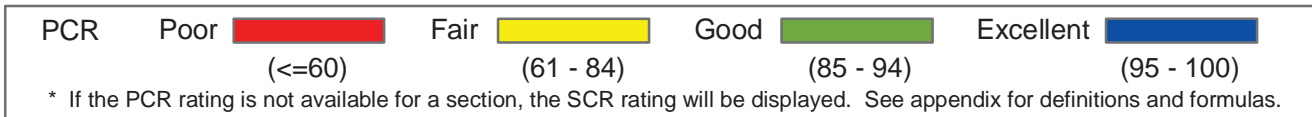
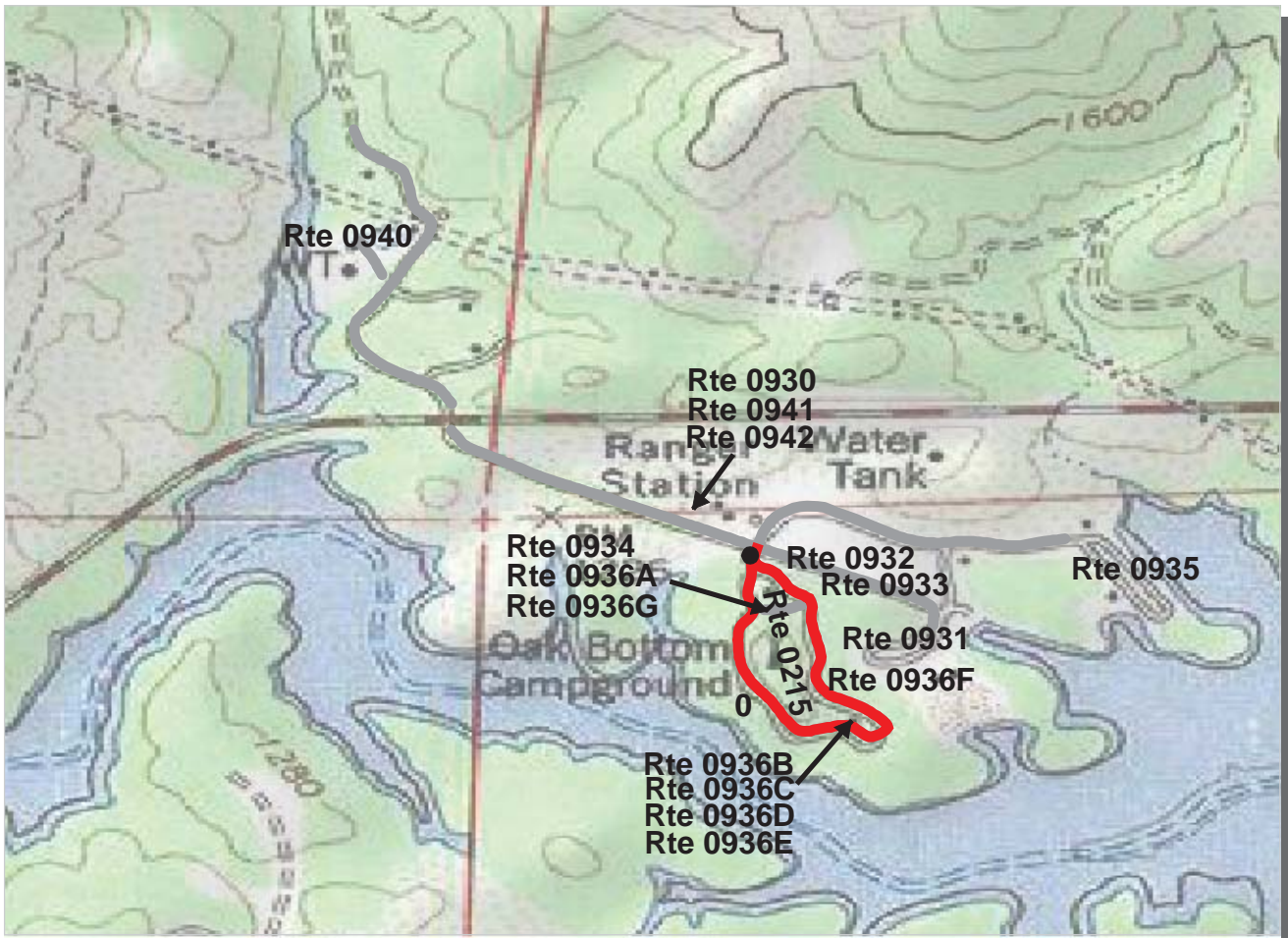
**TOTAL LENGTH: 0.50 Miles**

Section Number	0				
Section Length (mi)	0.50				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	37				
RCI (Roughness Condition Index)	49				
SCR (Surface Condition Rating)	34				
Alligator Cracking Index	94				
Rutting Index	51				
Patching Index	99				
Transverse Cracking Index	93				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0211 CARR LAKE ACCESS ROAD

\* NC designates data not collected N/A designates not applicable

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



**Pacific West Region**

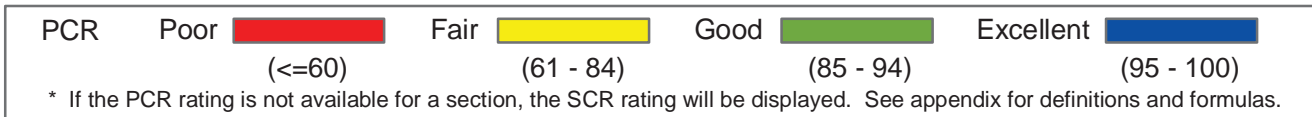
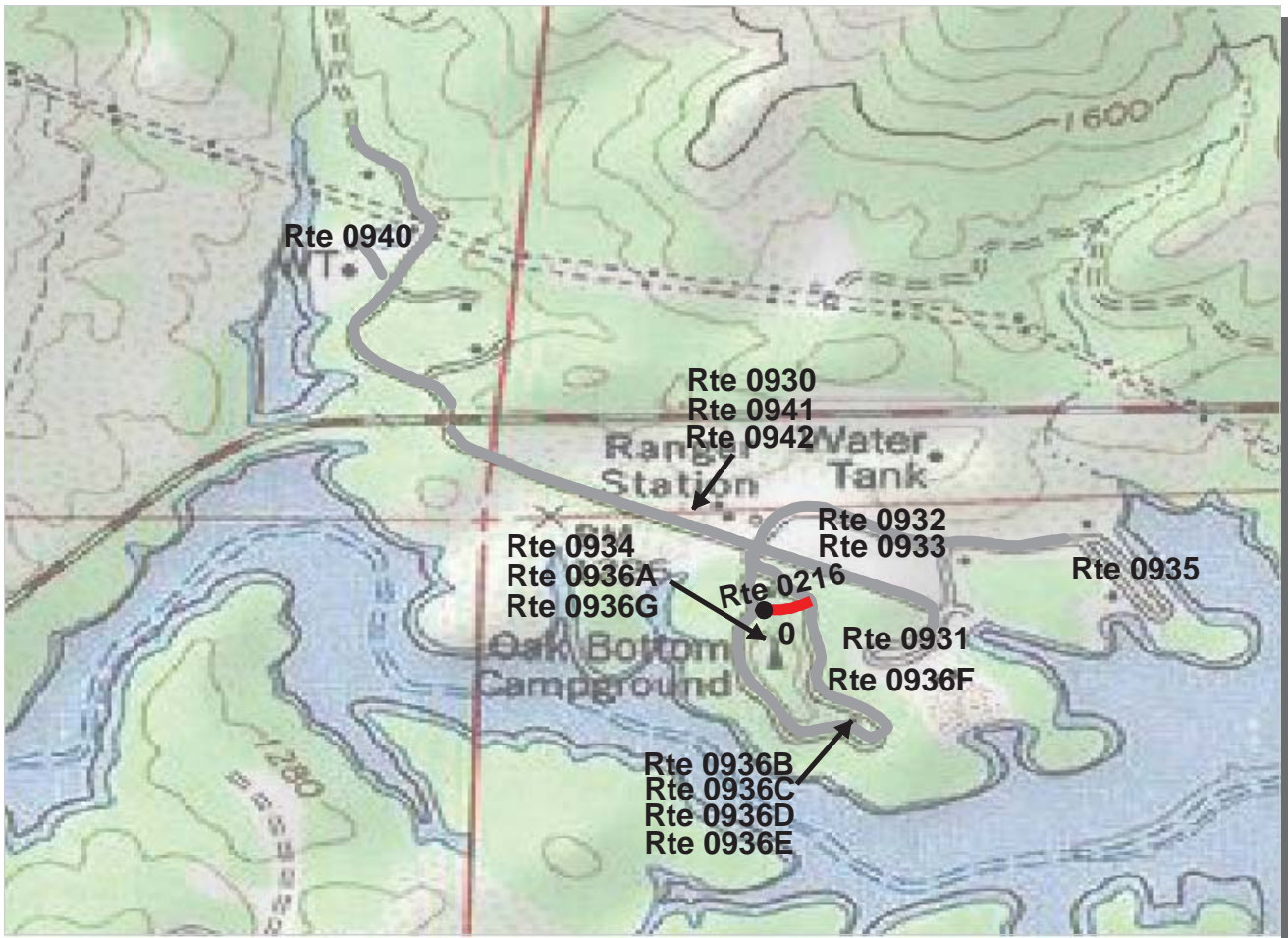
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0215 OAK BOTTOM CAMPGROUND LOOP A TOTAL LENGTH: 0.53 Miles**

Section Number	0				
Section Length (mi)	0.53				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	37				
SCR (Surface Condition Rating)	42				
Alligator Cracking Index	99				
Rutting Index	53				
Patching Index	99				
Transverse Cracking Index	93				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0215 OAK BOTTOM CAMPGROUND LOOP A

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

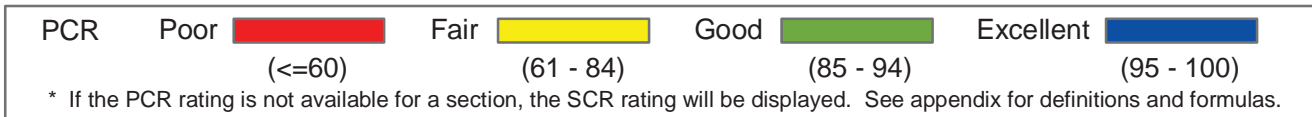
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0216 OAK BOTTOM CAMPGROUND LOOP B TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	6				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	6				
Alligator Cracking Index	99				
Rutting Index	11				
Patching Index	99				
Transverse Cracking Index	92				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0216 OAK BOTTOM CAMPGROUND LOOP B

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



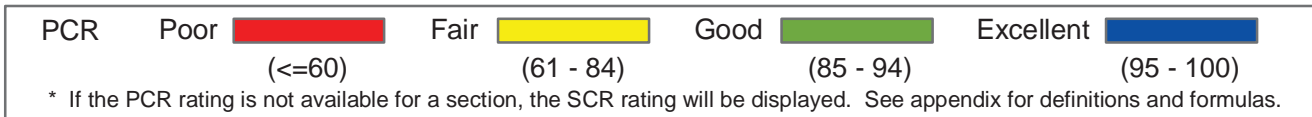
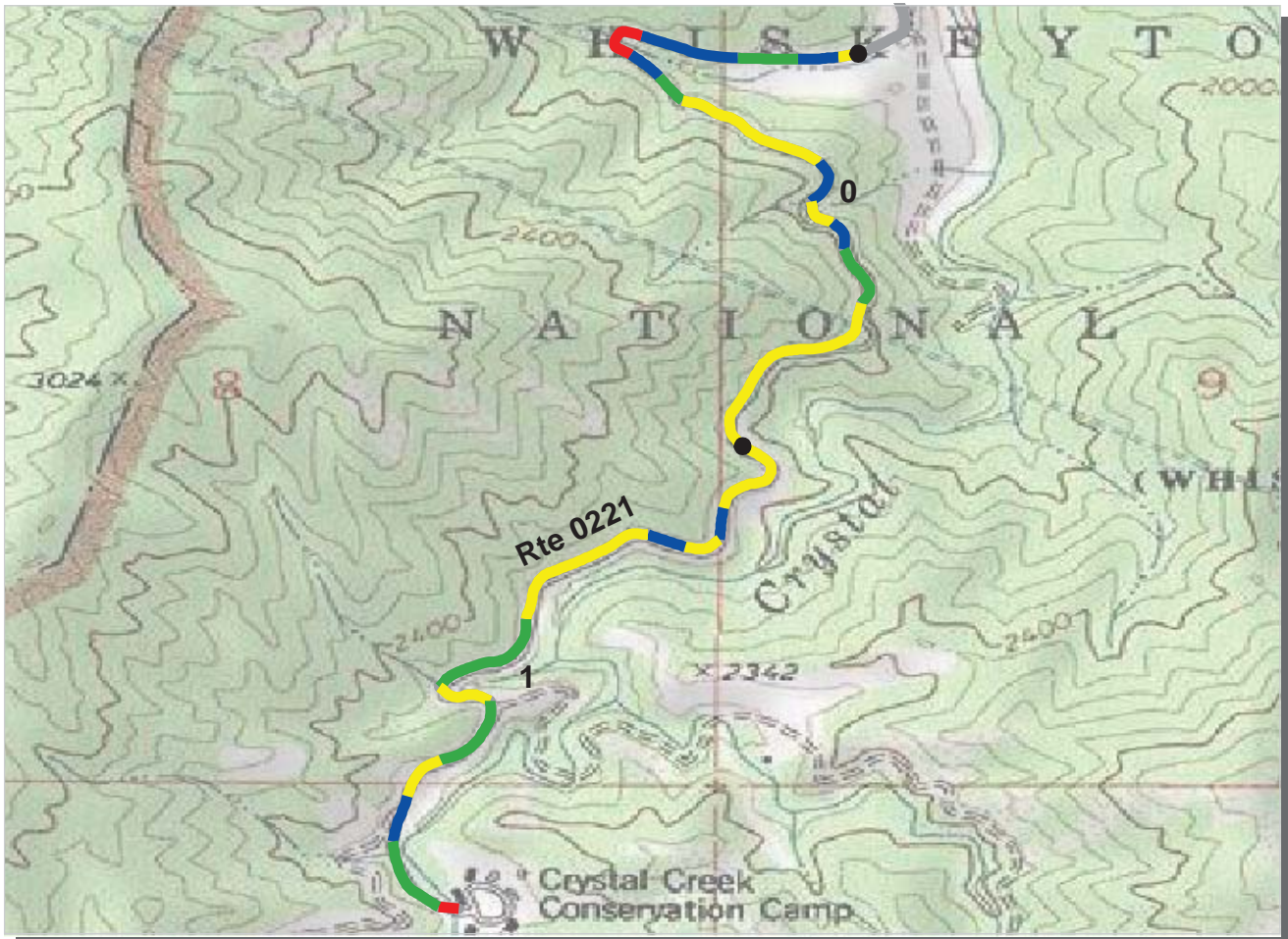
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0220 WHISKEY CREEK GROUP PICNIC ROAD TOTAL LENGTH: 1.36 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.36			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	21	20			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	35	34			
RCI (Roughness Condition Index)	32	41			
SCR (Surface Condition Rating)	36	31			
Alligator Cracking Index	98	98			
Rutting Index	43	32			
Patching Index	99	100			
Transverse Cracking Index	96	99			
Longitudinal Cracking Index	97	99			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0220 WHISKEY CREEK GROUP PICNIC ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



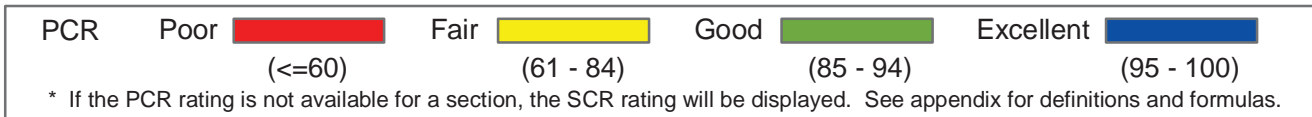
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0221 CRYSTAL CREEK CAMP ACCESS ROAD TOTAL LENGTH: 1.97 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.97			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	20	19			
Lane Width (ft)	10	10			
Shoulder Width (ft)	8	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	82	79			
RCI (Roughness Condition Index)	81	86			
SCR (Surface Condition Rating)	82	77			
Alligator Cracking Index	98	95			
Rutting Index	88	86			
Patching Index	99	100			
Transverse Cracking Index	98	97			
Longitudinal Cracking Index	97	97			
Shoulder Condition Rating	GOOD	N/A			
Drainage Condition Rating	GOOD	GOOD			

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>

ROUTE: 0221 CRYSTAL CREEK CAMP ACCESS ROAD



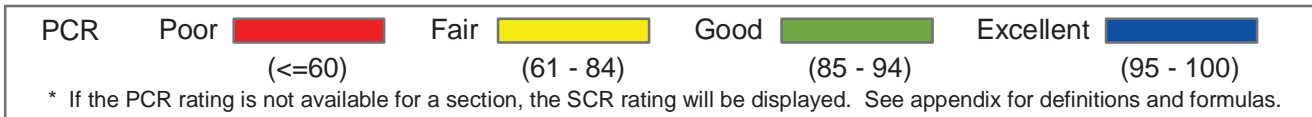
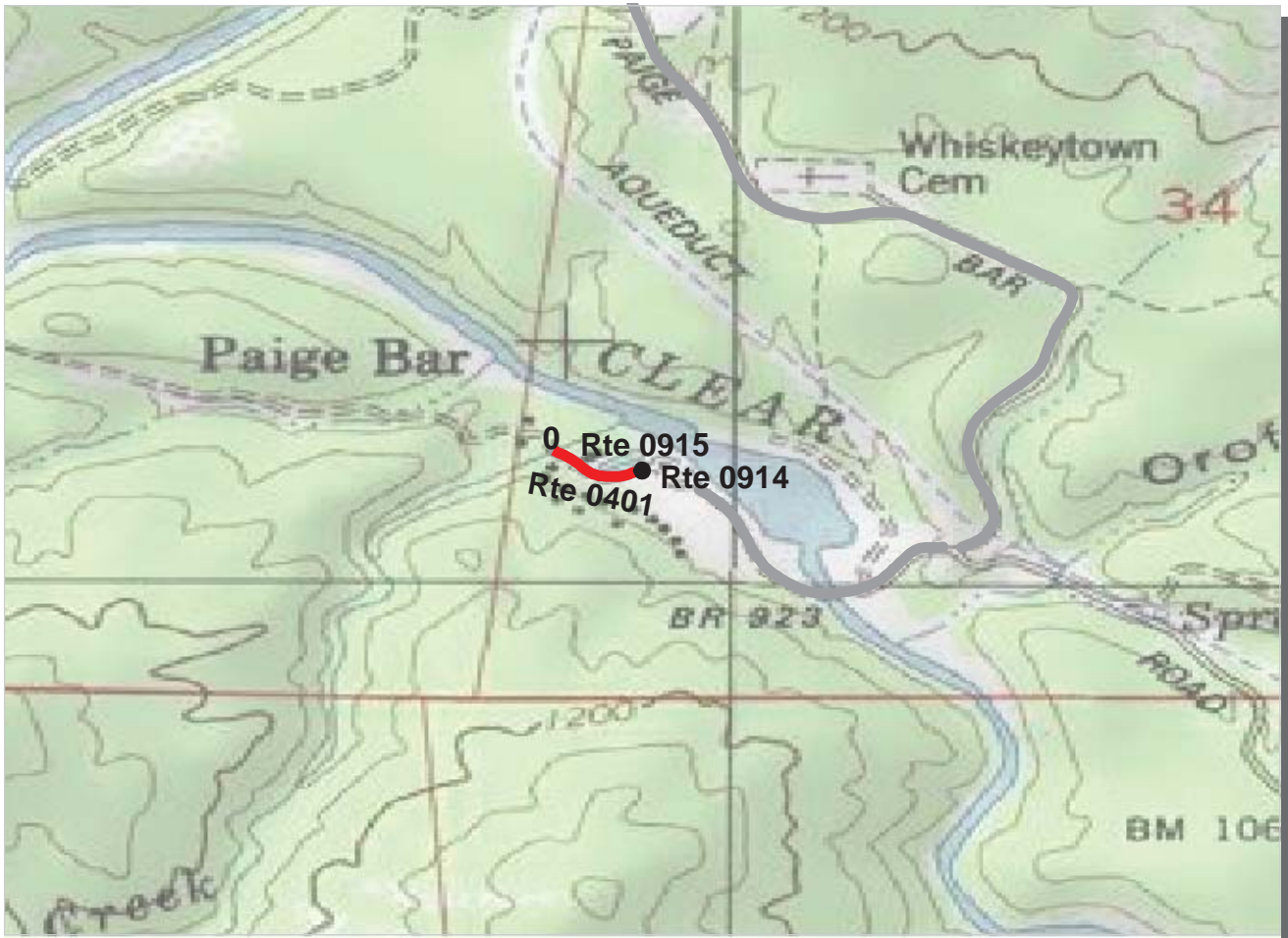
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0400 HEADQUARTERS ROAD** **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	5				
RCI (Roughness Condition Index)	38				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	3				
Rutting Index	51				
Patching Index	98				
Transverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0400 HEADQUARTERS ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0401 N.E.E.D. CAMP RESIDENCE ROAD**

**TOTAL LENGTH: 0.10 Miles**

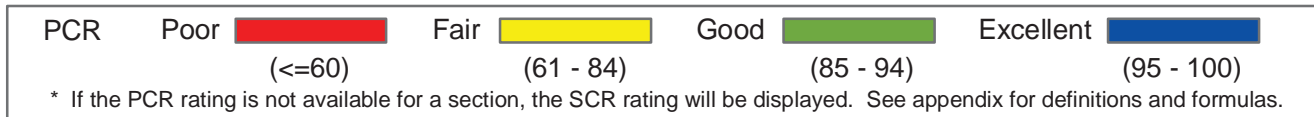
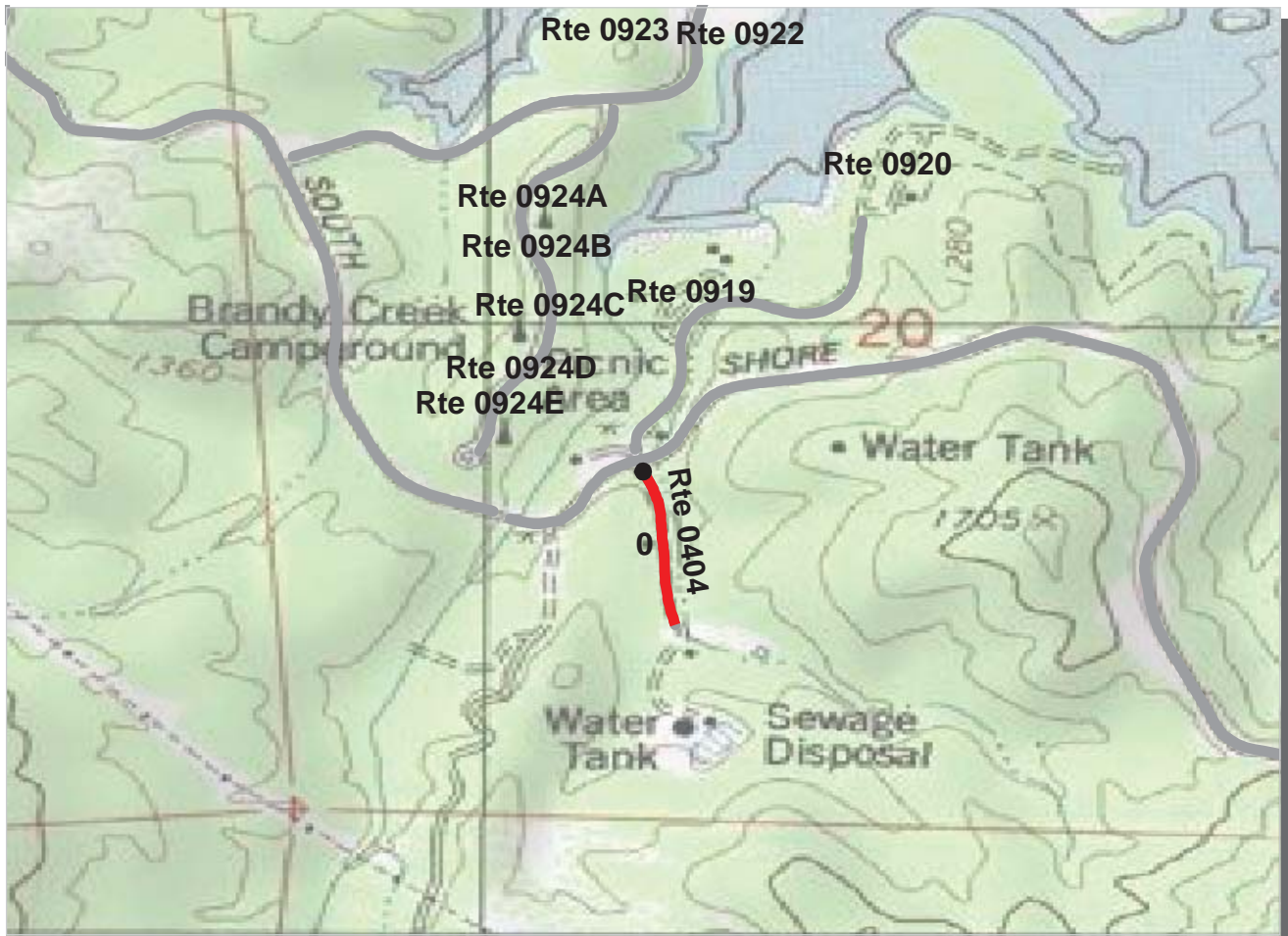
Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	61				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	100				
Rutting Index	61				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0401 N.E.E.D. CAMP RESIDENCE ROAD

\* NC designates data not collected N/A designates not applicable

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





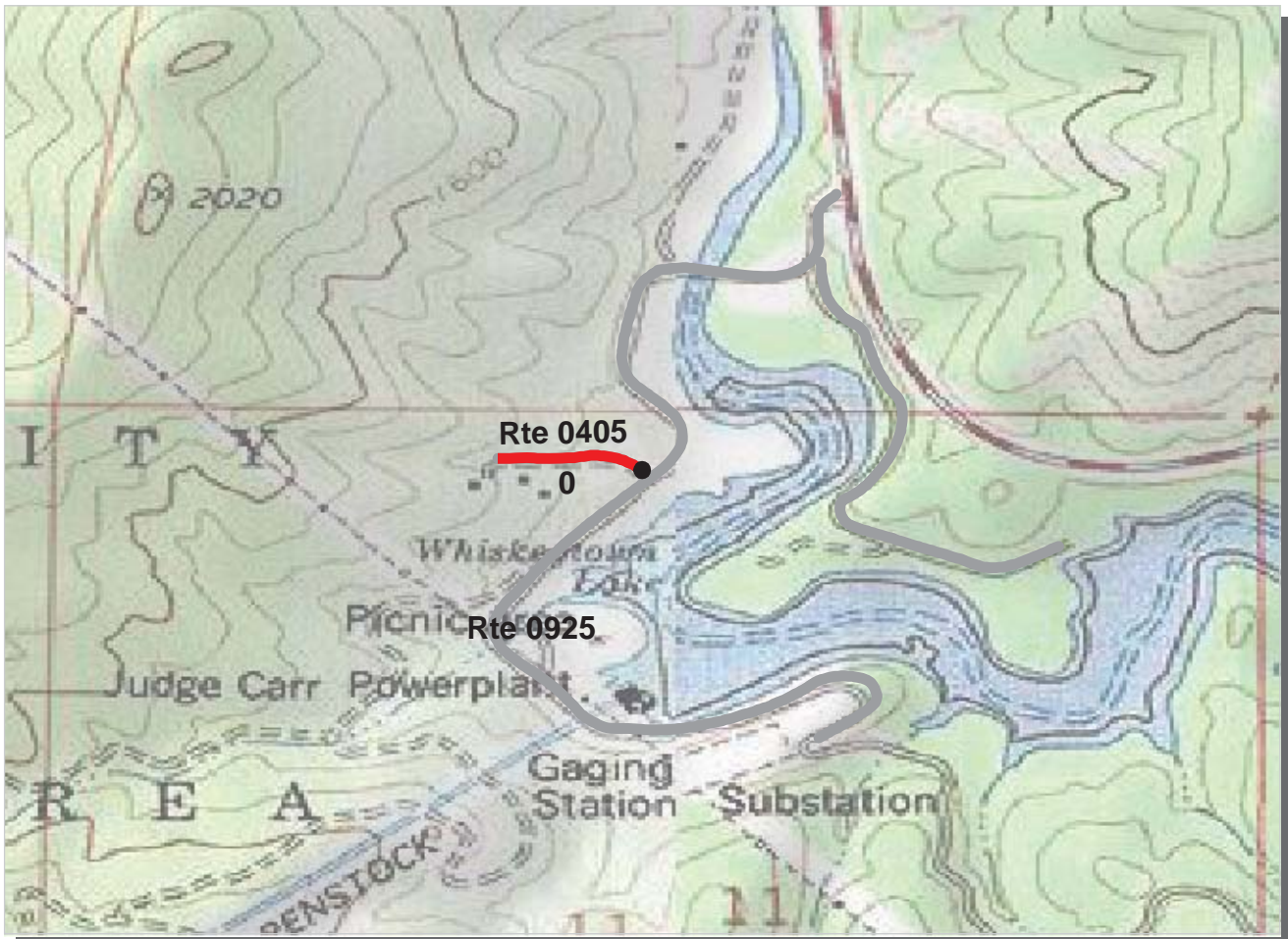
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0404 BRANDY CREEK SERVICE ROAD SOUTH TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	14				
RCI (Roughness Condition Index)	41				
SCR (Surface Condition Rating)	12				
Alligator Cracking Index	100				
Rutting Index	16				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0404 BRANDY CREEK SERVICE ROAD SOUTH

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor	<span style="background-color: red; width: 20px; height: 10px; display: inline-block;"></span>	Fair	<span style="background-color: yellow; width: 20px; height: 10px; display: inline-block;"></span>	Good	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>	Excellent	<span style="background-color: blue; width: 20px; height: 10px; display: inline-block;"></span>
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

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

**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0405 CARR POWERHOUSE SERVICE ROAD**

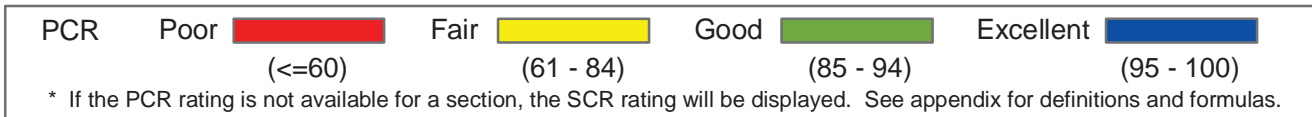
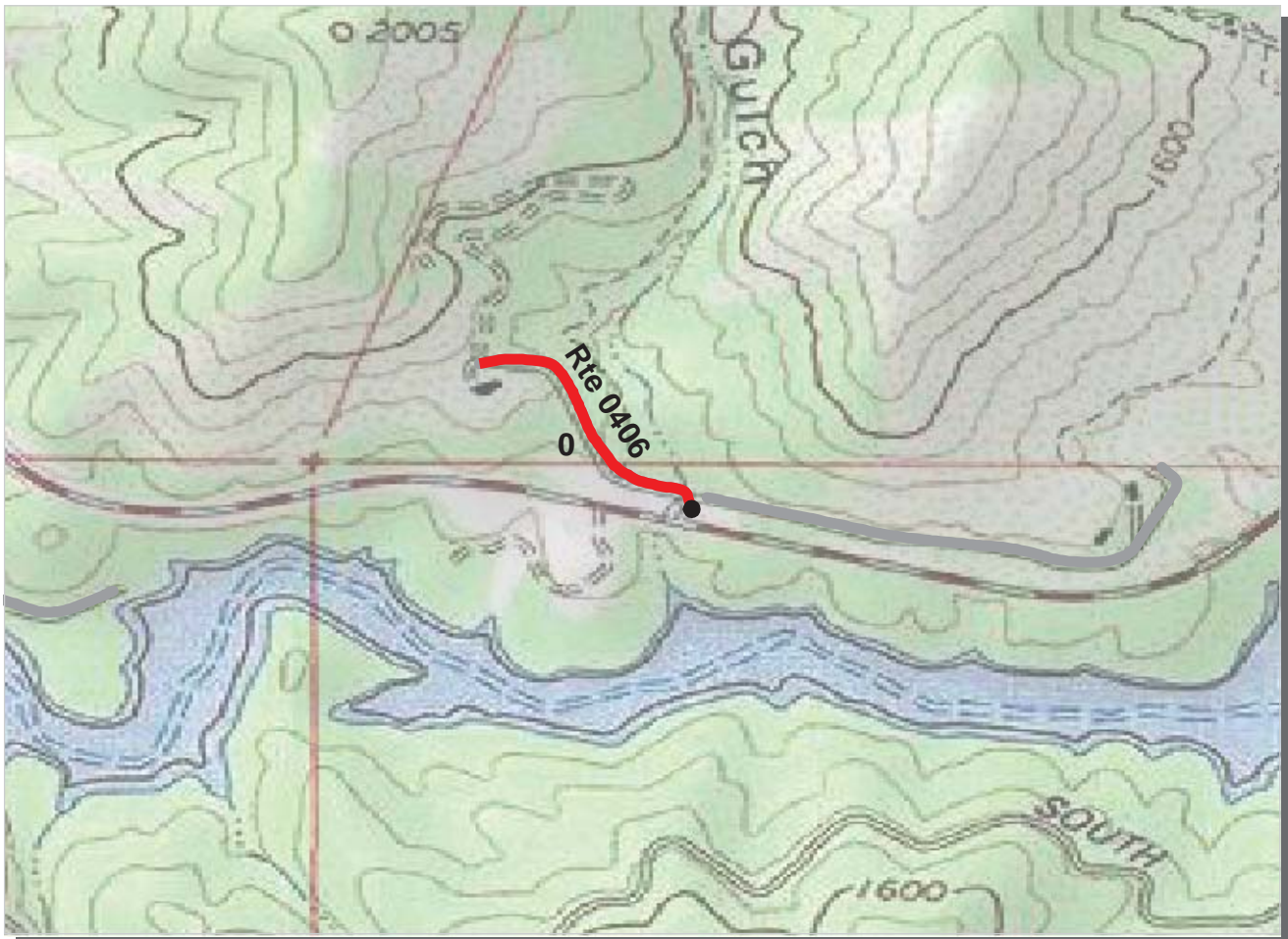
**TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	15				
RCI (Roughness Condition Index)	17				
SCR (Surface Condition Rating)	14				
Alligator Cracking Index	83				
Rutting Index	36				
Patching Index	99				
Transverse Cracking Index	92				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0405 CARR POWERHOUSE SERVICE ROAD**

\* NC designates data not collected N/A designates not applicable

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



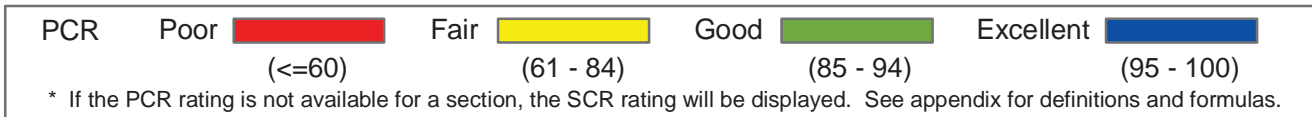
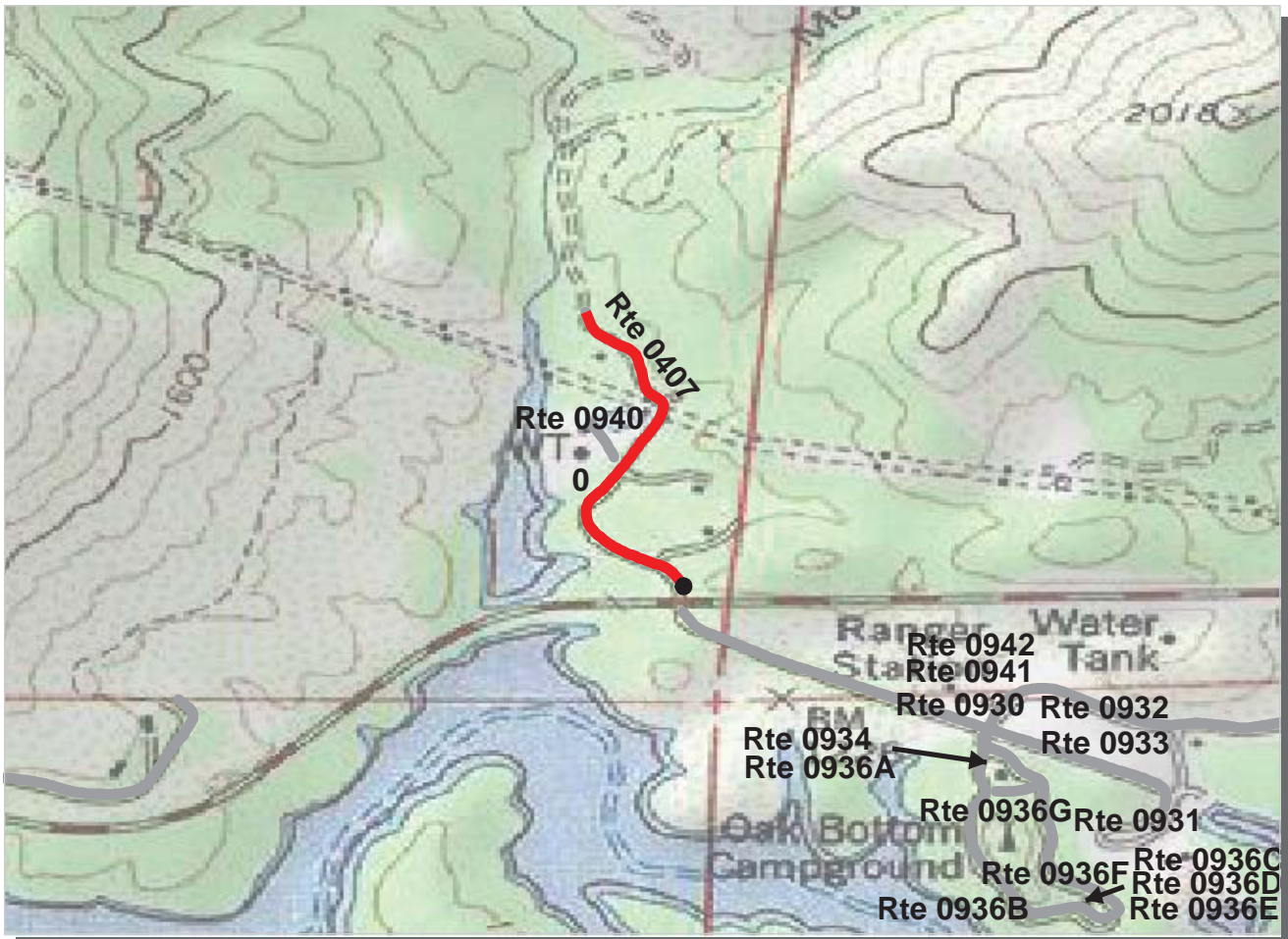
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0406 QUARTERS 324 ROAD** **TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	12				
RCI (Roughness Condition Index)	39				
SCR (Surface Condition Rating)	6				
Alligator Cracking Index	80				
Rutting Index	52				
Patching Index	99				
Transverse Cracking Index	76				
Longitudinal Cracking Index	76				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0406 QUARTERS 324 ROAD**

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



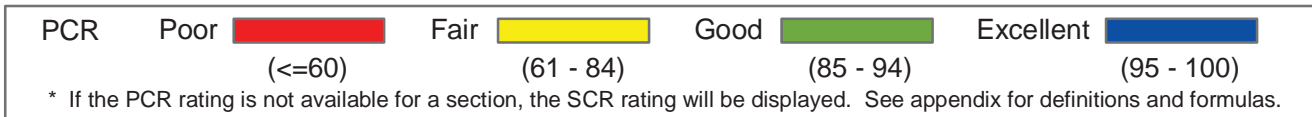
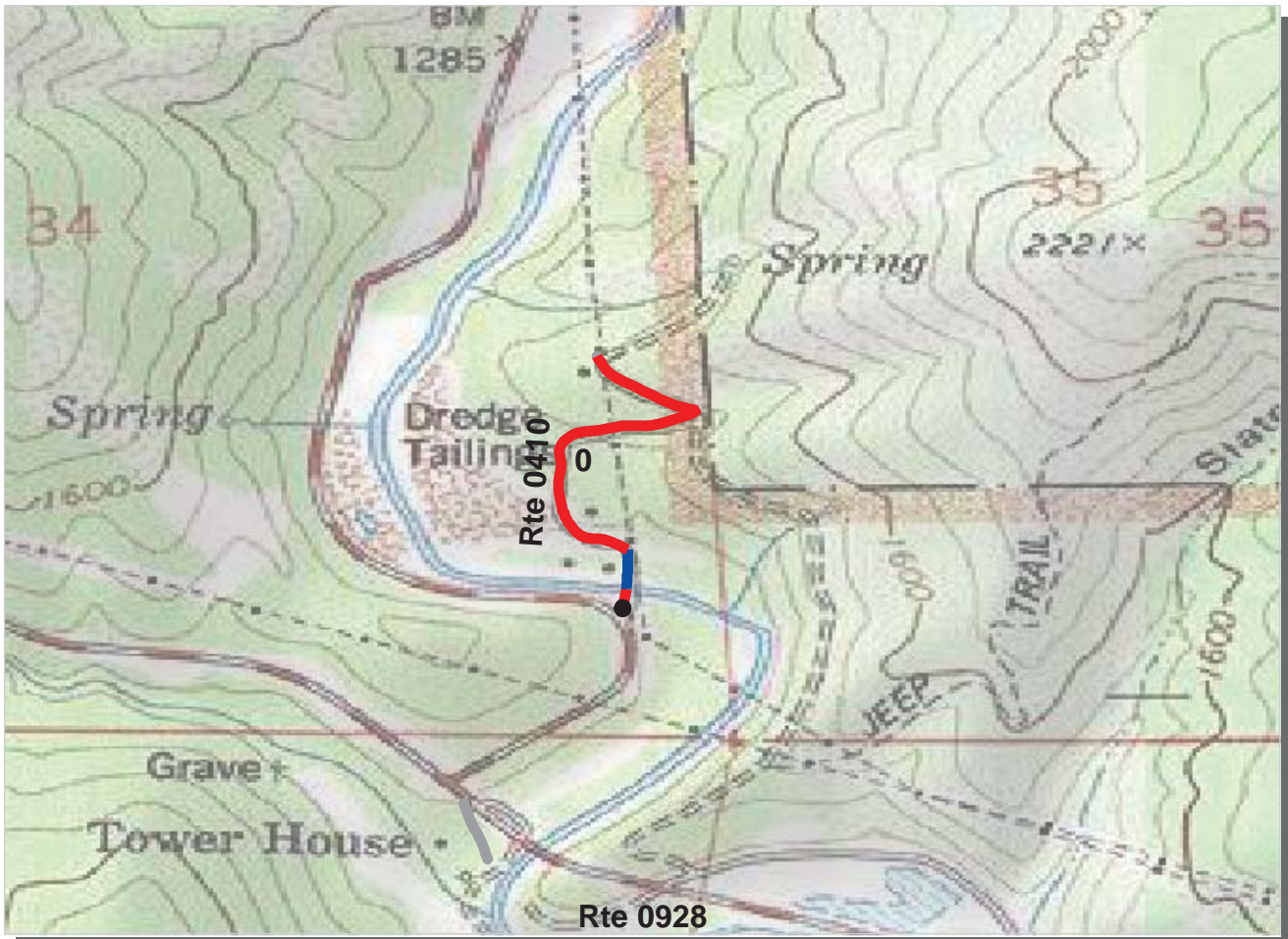
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0407 GRIZZLY GULCH ROAD** **TOTAL LENGTH: 0.38 Miles**

Section Number	0				
Section Length (mi)	0.38				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	29				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	27				
RCI (Roughness Condition Index)	43				
SCR (Surface Condition Rating)	24				
Alligator Cracking Index	85				
Rutting Index	42				
Patching Index	99				
Transverse Cracking Index	95				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	POOR				

**ROUTE: 0407 GRIZZLY GULCH ROAD**

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



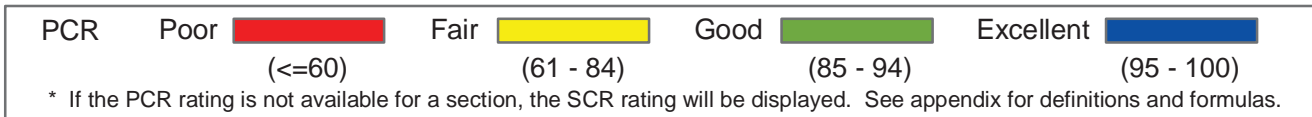
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0410 TOWER RESIDENCE ROAD** **TOTAL LENGTH: 0.43 Miles**

Section Number	0				
Section Length (mi)	0.43				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	15				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	15				
Alligator Cracking Index	100				
Rutting Index	30				
Patching Index	74				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	POOR				

ROUTE: 0410 TOWER RESIDENCE ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



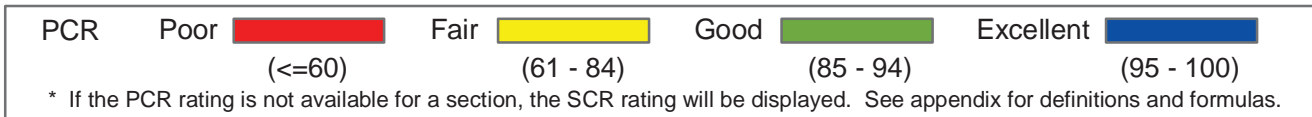
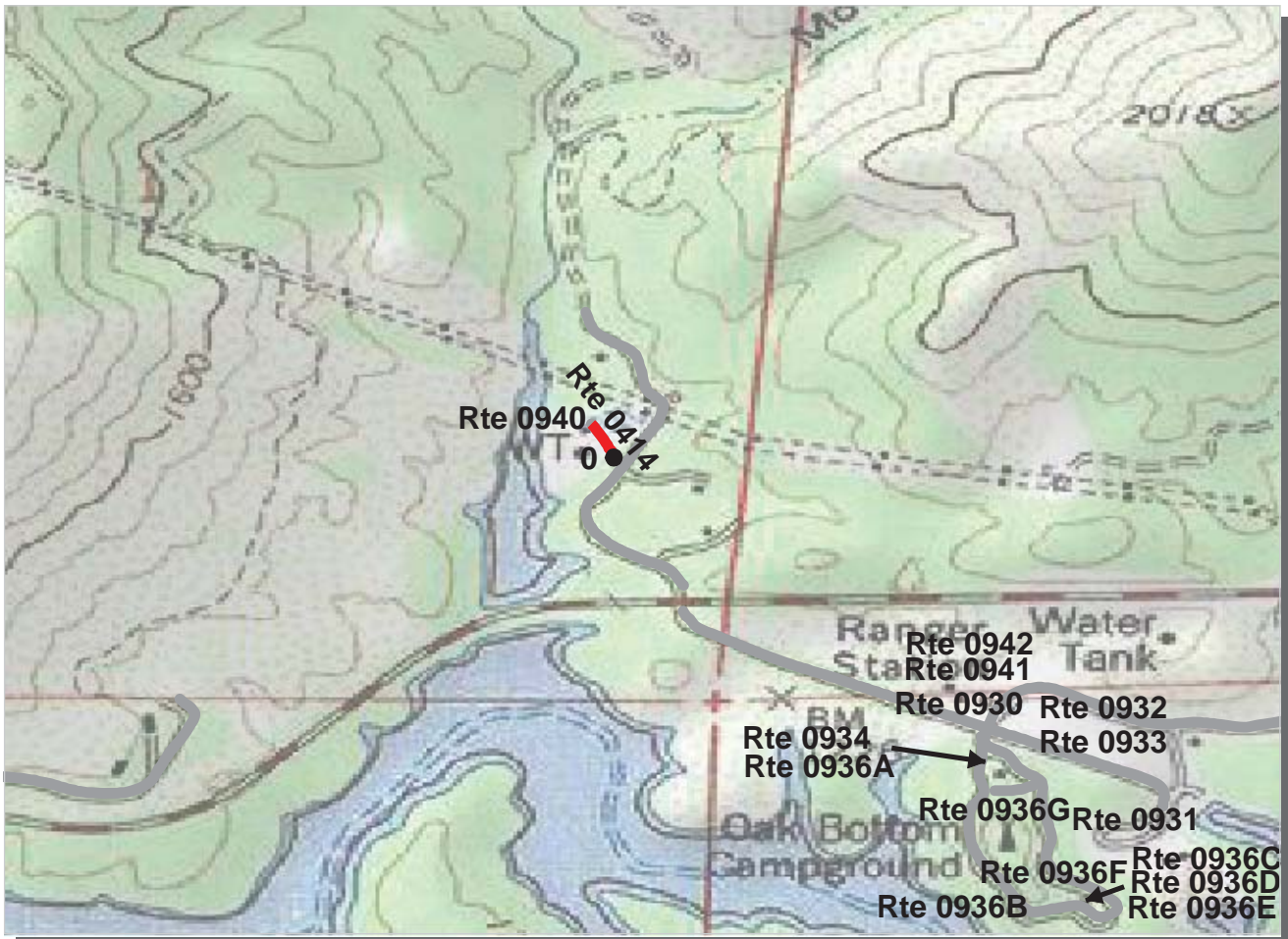
**Pacific West Region**  
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0411 BULL GULCH SERVICE ROAD** **TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	20				
RCI (Roughness Condition Index)	44				
SCR (Surface Condition Rating)	8				
Alligator Cracking Index	82				
Rutting Index	58				
Patching Index	100				
Transverse Cracking Index	71				
Longitudinal Cracking Index	83				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0411 BULL GULCH SERVICE ROAD**

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

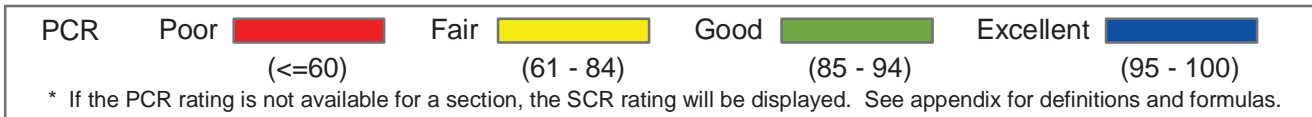
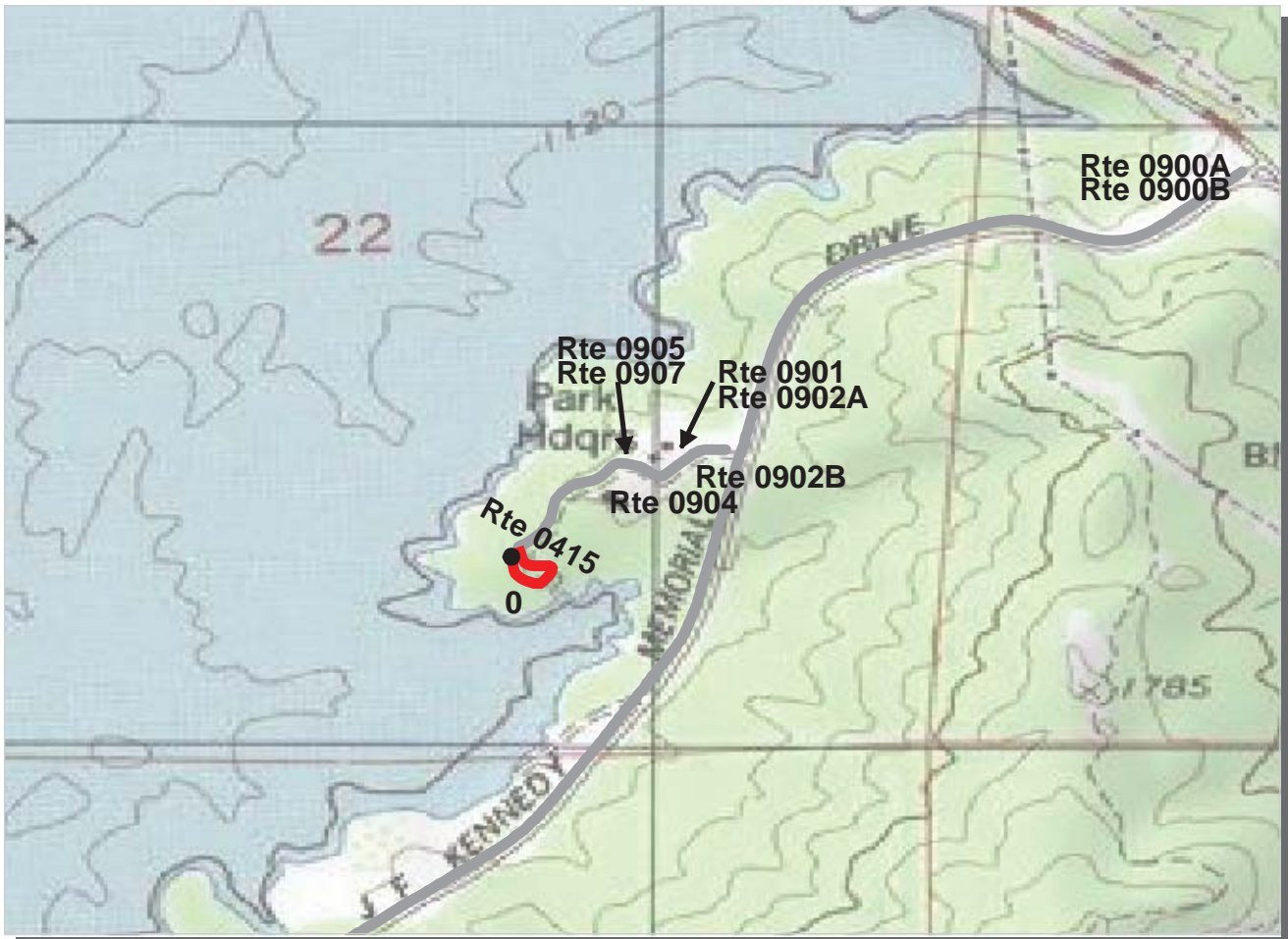
**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0414 GRIZZLY GULCH WATER TANK ACCESS ROAD TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	37				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	37				
Alligator Cracking Index	100				
Rutting Index	39				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0414 GRIZZLY GULCH WATER TANK ACCESS ROAD

\* NC designates data not collected N/A designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Pacific West Region**

**WHIS : Whiskeytown-Shasta-Trinity National Recreation Area**

**ROUTE: 0415 GOVERNMENT BOAT LAUCH LOOP**

**TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	12				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	12				
Alligator Cracking Index	43				
Rutting Index	43				
Patching Index	97				
Transverse Cracking Index	91				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0415 GOVERNMENT BOAT LAUCH LOOP**

\* NC designates data not collected N/A designates not applicable

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



## **WHIS: Manually Rated Paved Route Condition Rating Sheets**

No data available for this section

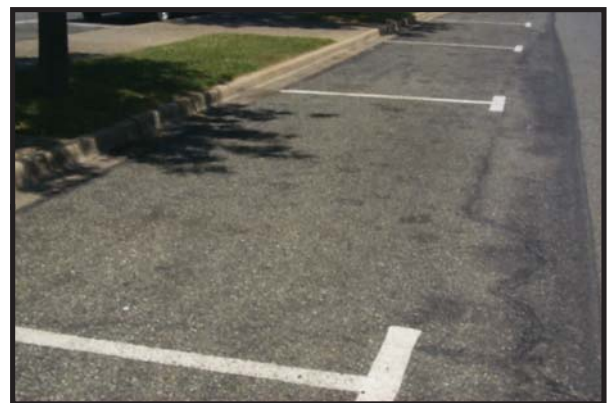
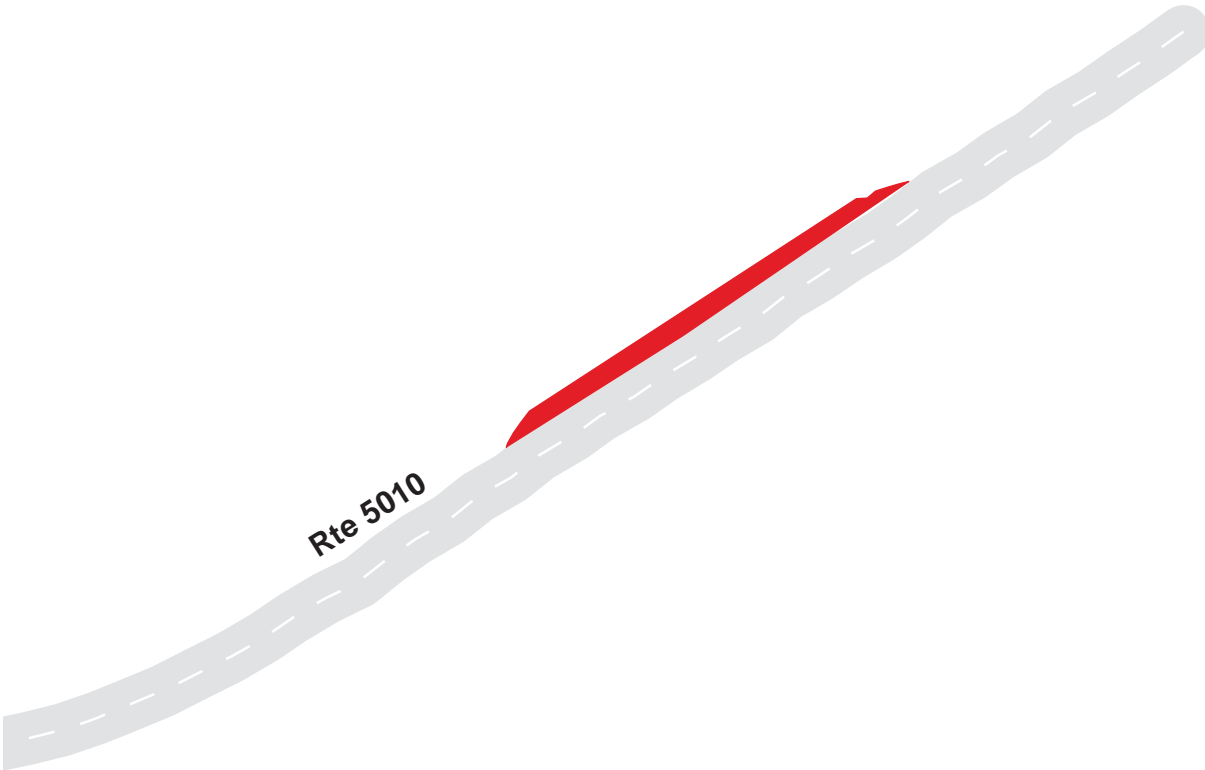
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0900A

VISITOR CENTER PARKING A  
FROM ROUTE 5010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900A	Public	6/10/2003	1507	0.03	NC	GOOD / 90

\* Lane miles are based on 11' lane widths



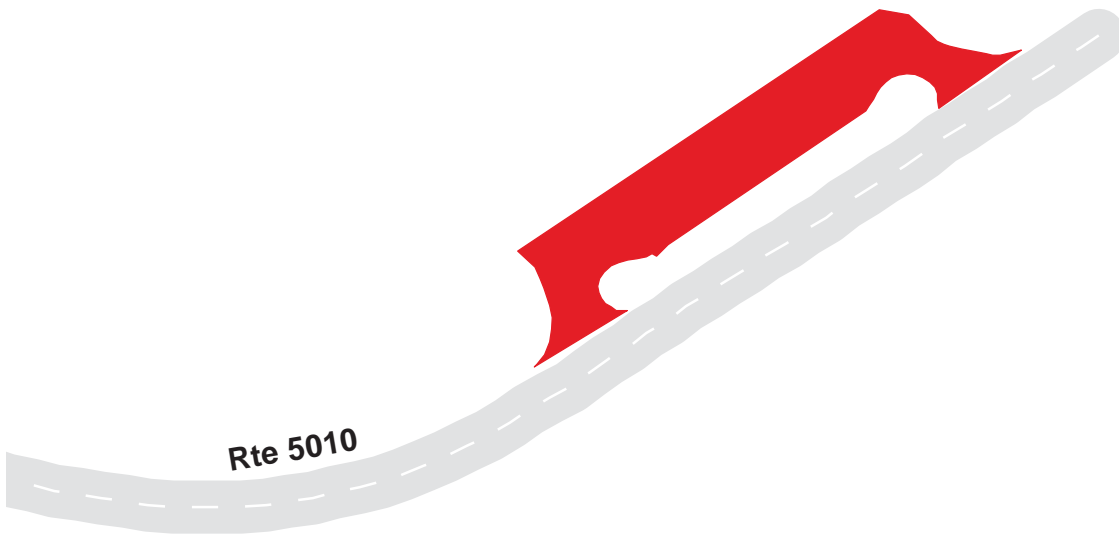
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0900B

VISITOR CENTER PARKING B  
FROM ROUTE 5010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900B	Public	6/10/2003	17902	0.31	NC	GOOD / 90

\* Lane miles are based on 11' lane widths



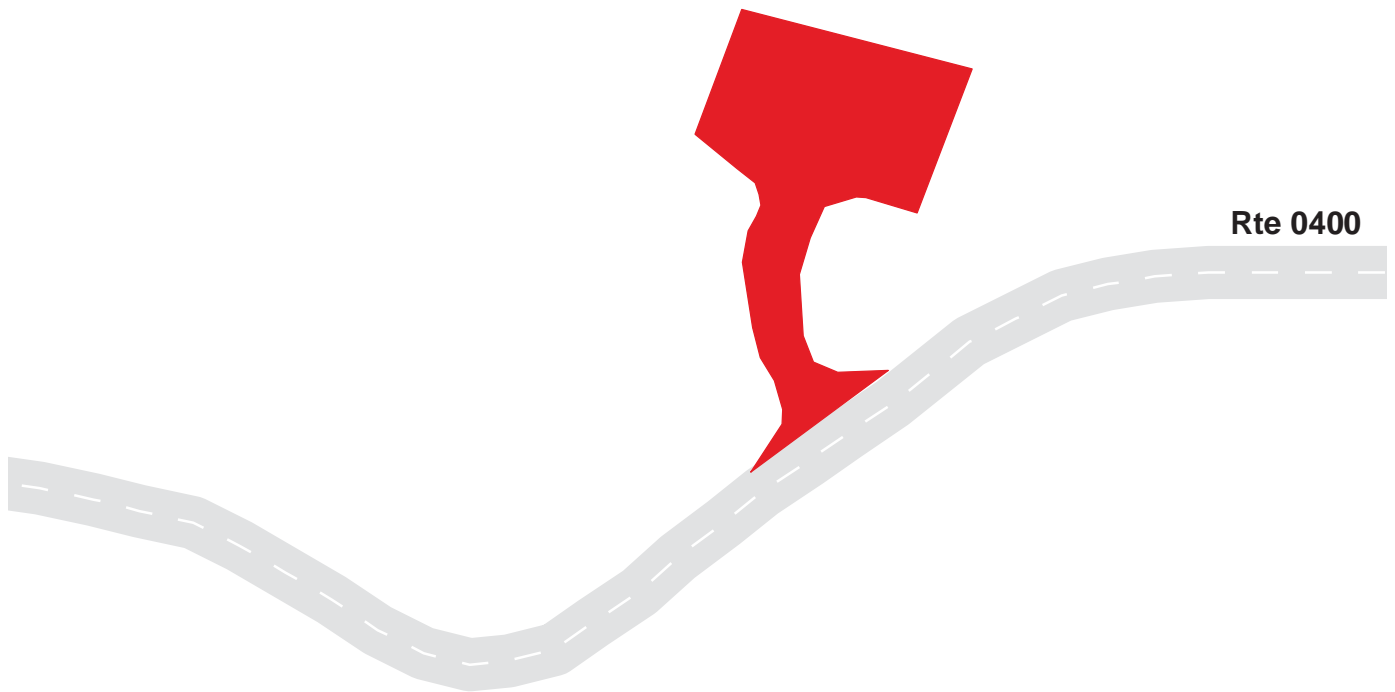
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0901

PARK HEADQUARTERS VISITOR PARKING  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	6/10/2003	5173	0.09	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0902A

PARK HEADQUARTERS EMPLOYEE PARKING A  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902A	NonPublic	6/10/2003	6387	0.11	AS	POOR / 45

\* Lane miles are based on 11' lane widths



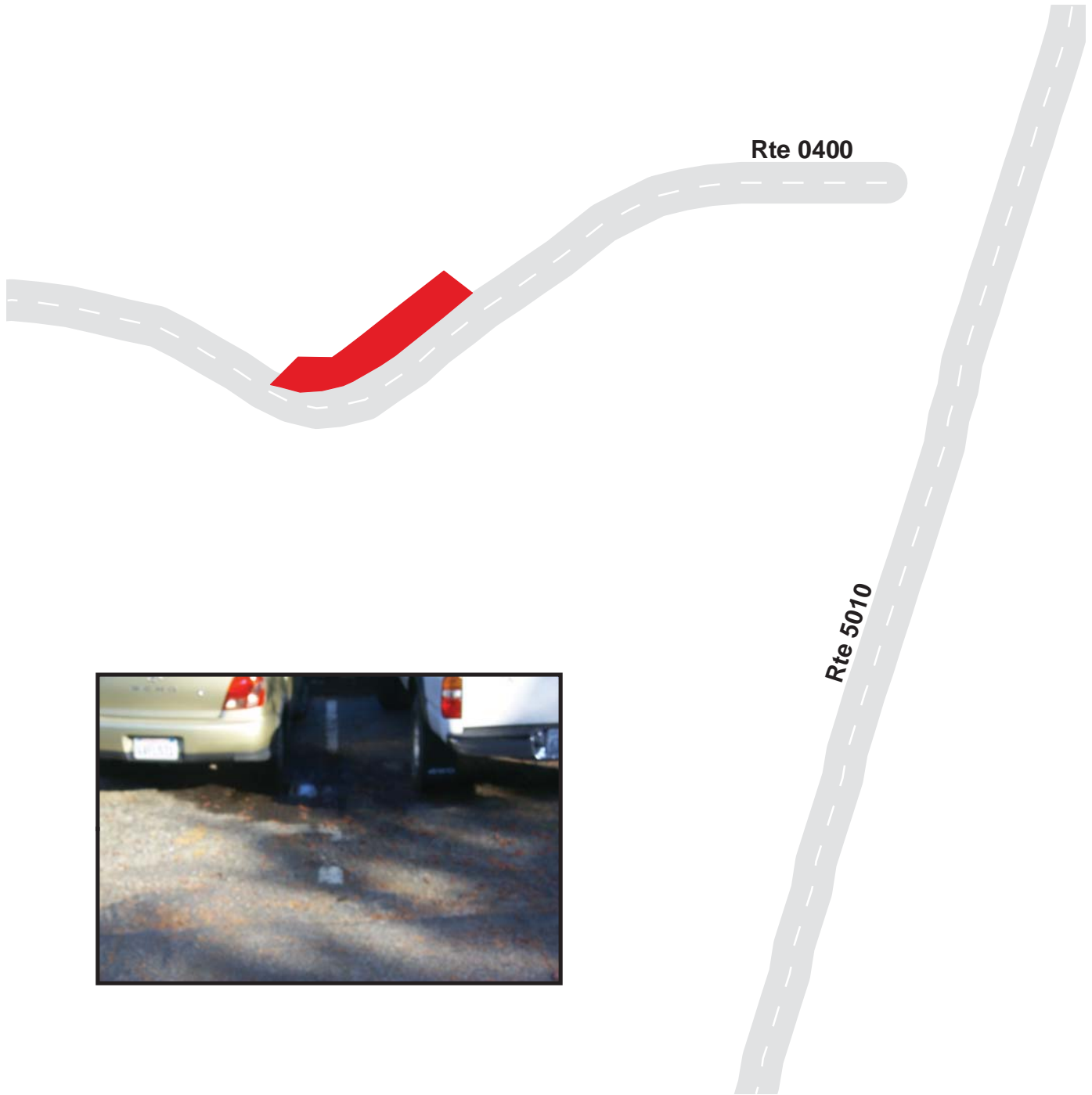
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0902B

PARK HEADQUARTERS EMPLOYEE PARKING B  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902B	NonPublic	6/10/2003	2134	0.04	AS	POOR / 45

\* Lane miles are based on 11' lane widths



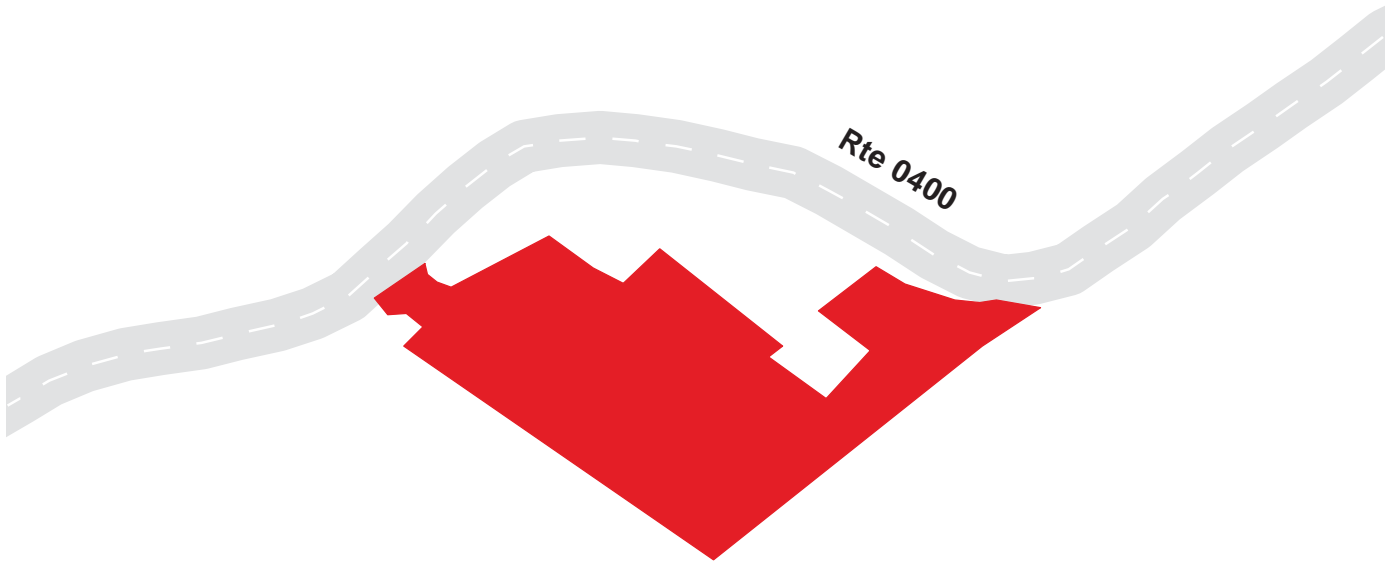
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0904

MAINTENANCE YARD  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	NonPublic	6/10/2003	16401	0.28	AS	POOR / 45

\* Lane miles are based on 11' lane widths



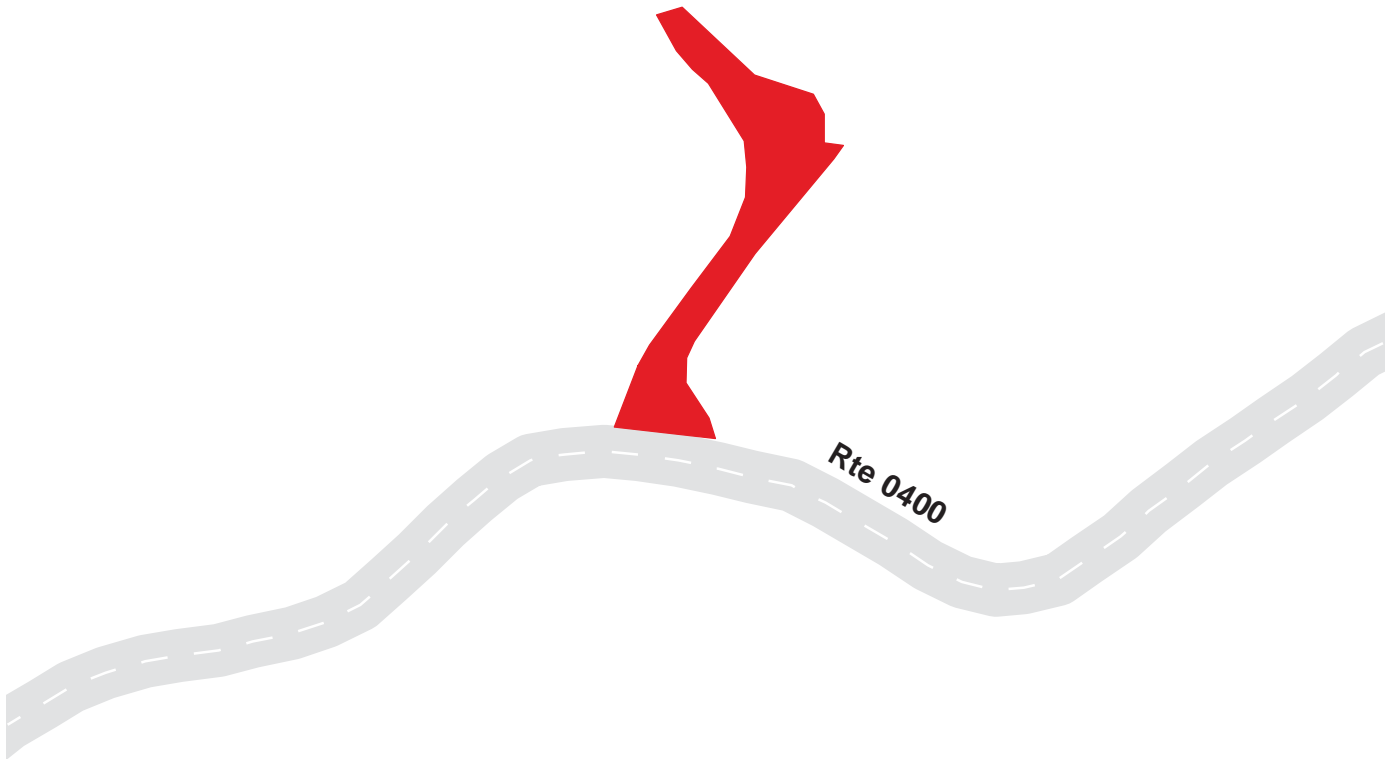
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0905

HEADQUARTERS ADMINISTRATIVE PARKING  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	6/10/2003	3785	0.07	AS	POOR / 45

\* Lane miles are based on 11' lane widths





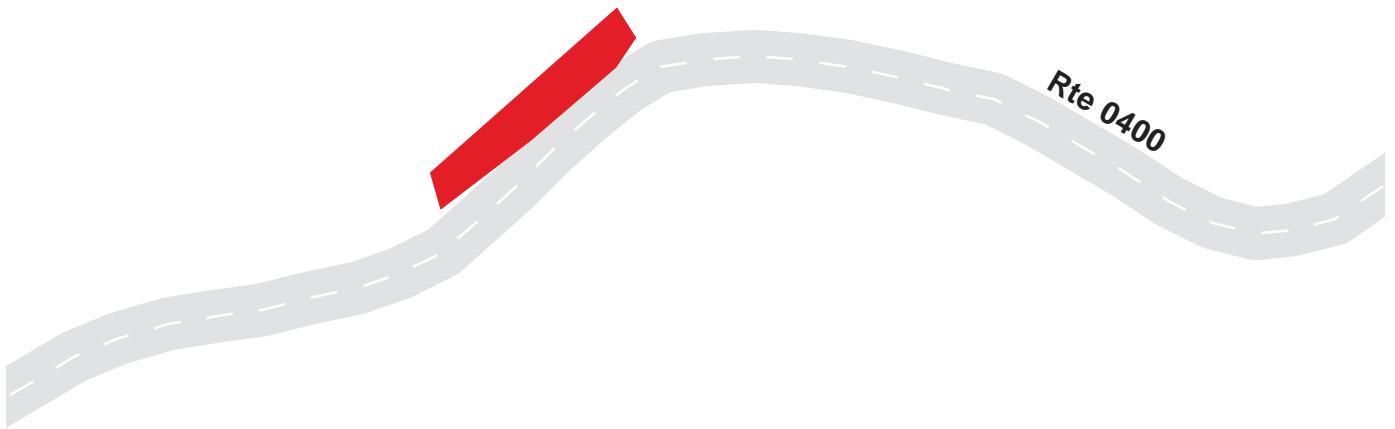
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0907

HEADQUARTERS GOVERNMENT CAR PARKING  
FROM ROUTE 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	NonPublic	6/10/2003	1133	0.02	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



100 50 0 100 Feet



7-8

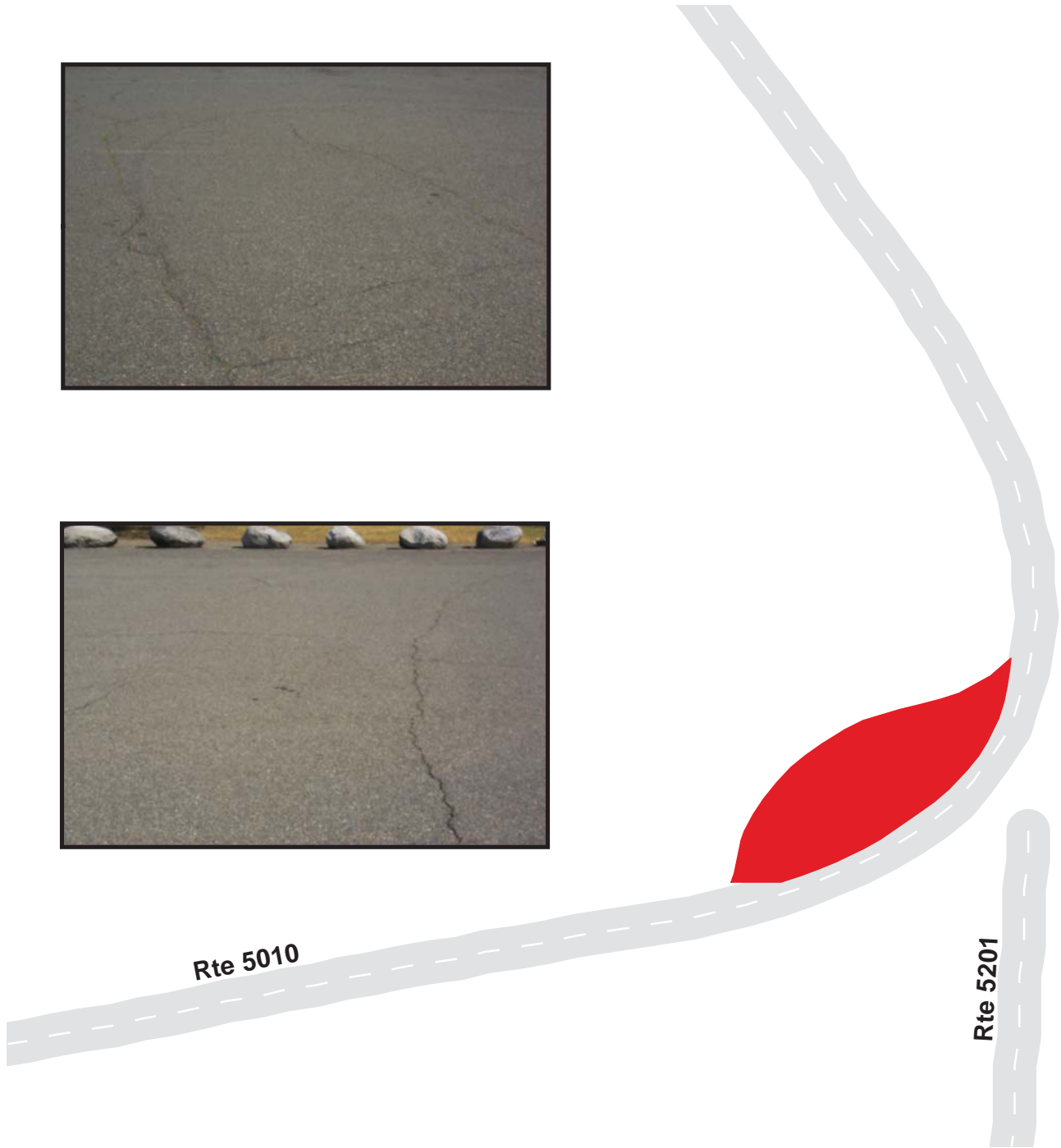
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0911A

KENNEDY MONUMENT / DAM PARKING A  
FROM ROUTE 5010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911A	Public	6/10/2003	7939	0.14	AS	POOR / 45

\* Lane miles are based on 11' lane widths



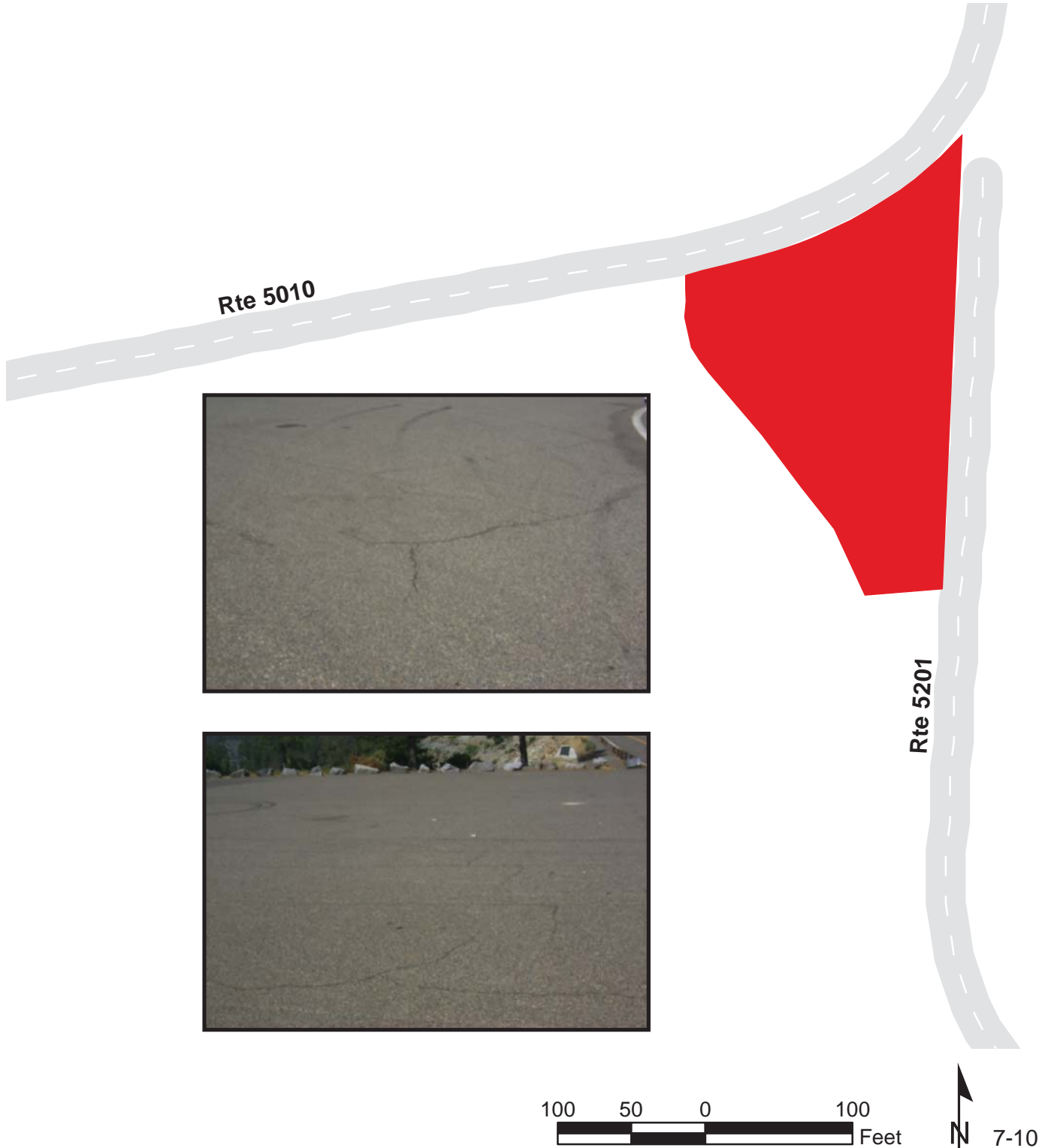
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0911B

KENNEDY MONUMENT / DAM PARKING B  
FROM ROUTE 5010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911B	Public	6/10/2003	25562	0.44	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



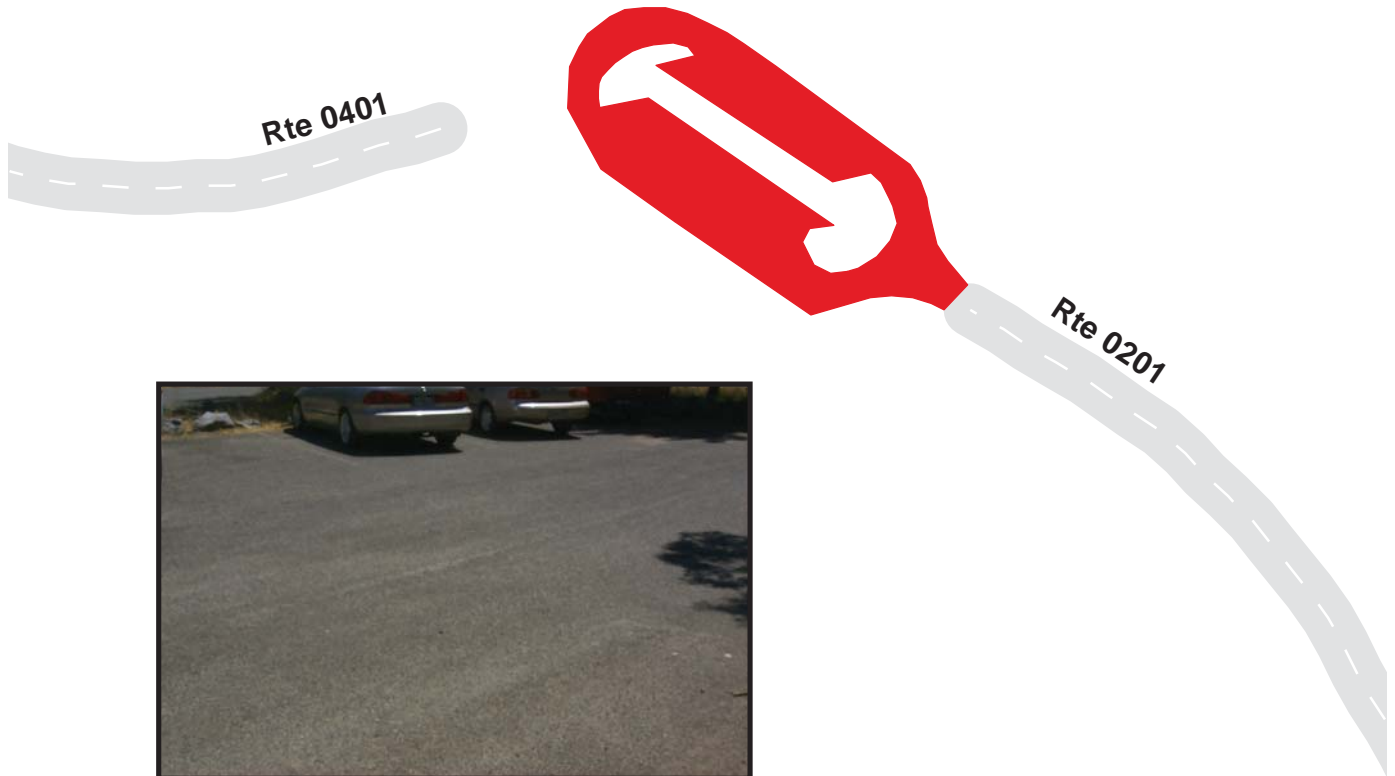
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0914

N.E.E.D. CAMP PARKING  
FROM ROUTE 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	6/10/2003	13442	0.23	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0915

N.E.E.D. CAMP CAFETERIA ACCESS PARKING  
FROM ROUTE 0401

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	6/10/2003	2526	0.04	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



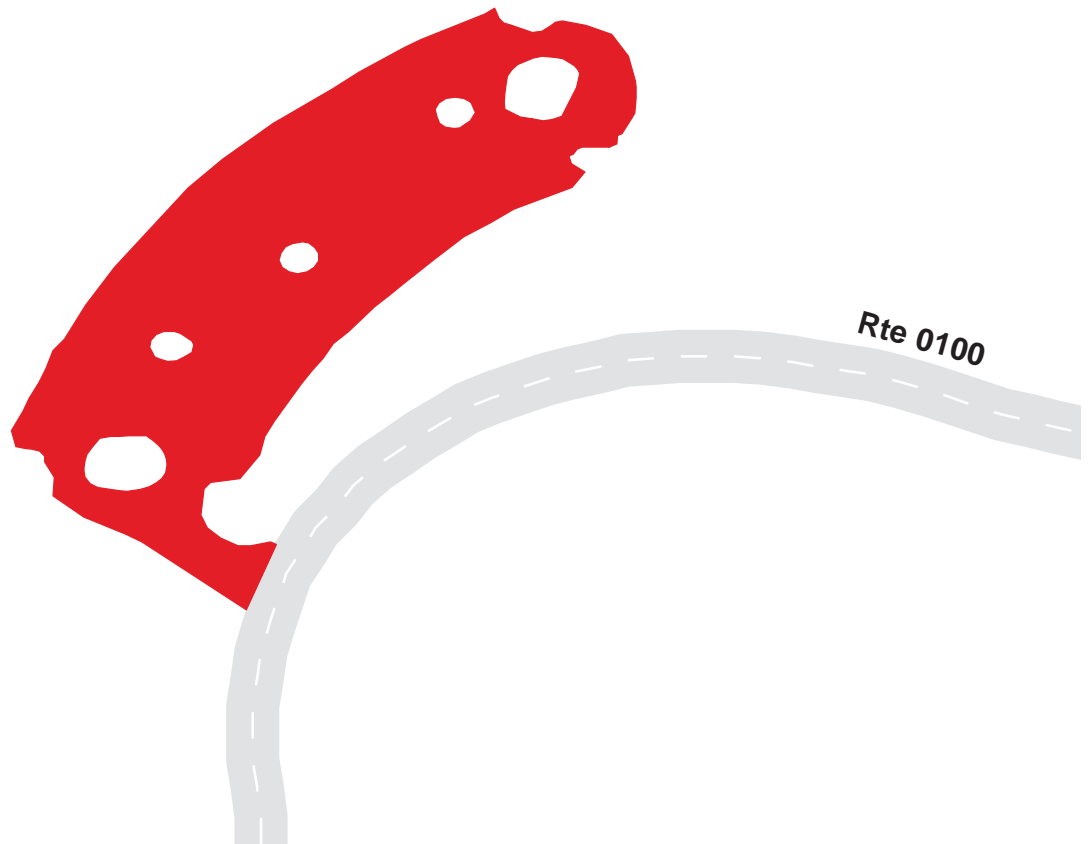
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0919

BRANDY CREEK PARKING LOT A  
FROM ROUTE 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	6/10/2003	45142	0.78	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



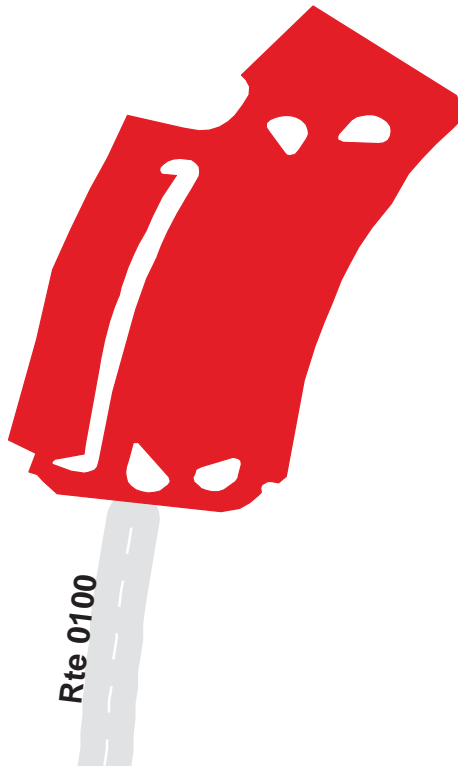
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0920

BRANDY CREEK PARKING LOT B  
FROM ROUTE 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	6/10/2003	113069	1.95	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



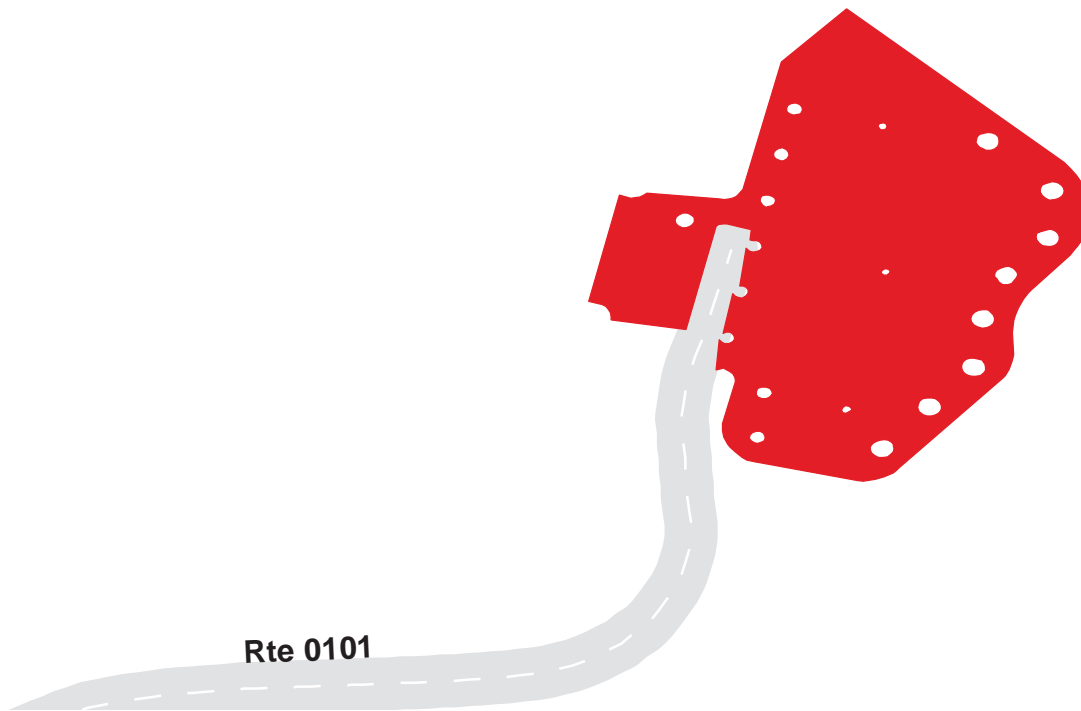
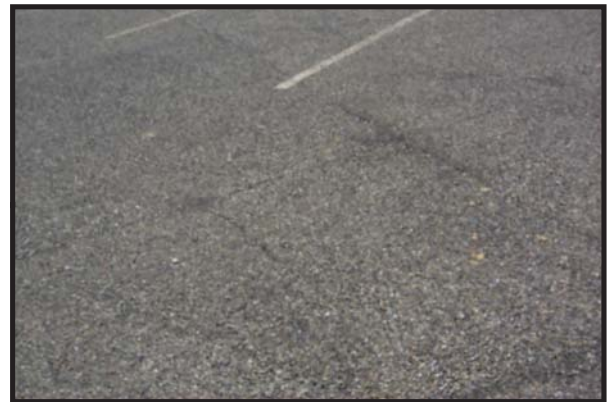
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0922

BRANDY CREEK MARINA PARKING  
FROM ROUTE 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	6/10/2003	181167	3.12	OC	FAIR / 73

\* Lane miles are based on 11' lane widths





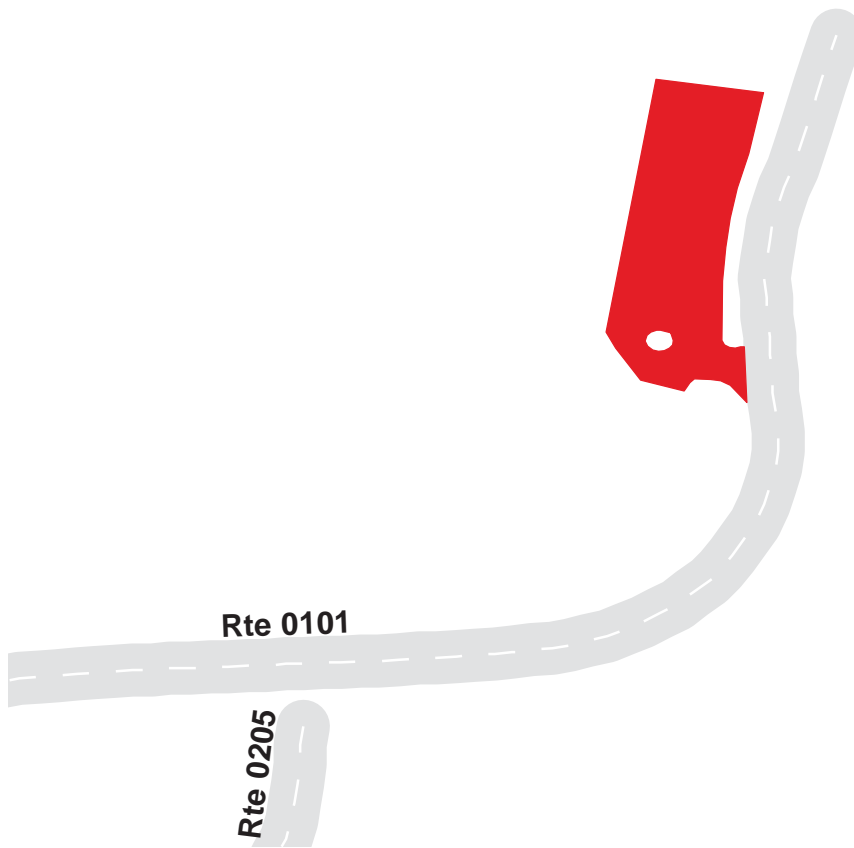
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0923

DRY STORAGE AREA  
FROM ROUTE 0922

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	NonPublic	6/10/2003	22297	0.38	OC	POOR / 45

\* Lane miles are based on 11' lane widths



# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0924A

BRANDY CREEK R.V. PARKING A  
FROM ROUTE 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924A	Public	6/10/2003	3342	0.06	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0924B

BRANDY CREEK R.V. PARKING B  
FROM ROUTE 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924B	Public	6/10/2003	5638	0.10	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



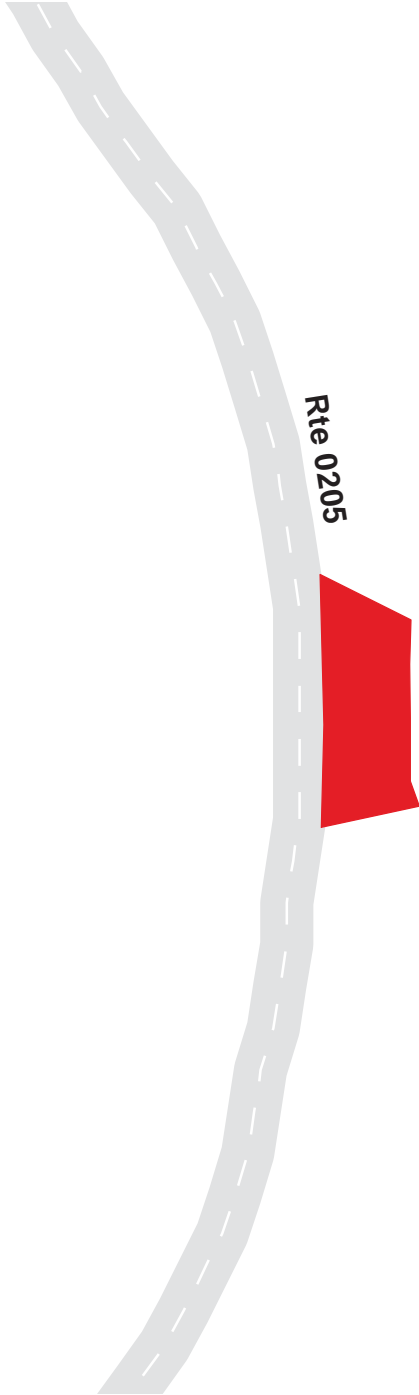
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0924C

BRANDY CREEK R.V. PARKING C  
FROM ROUTE 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924C	Public	6/10/2003	2773	0.05	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



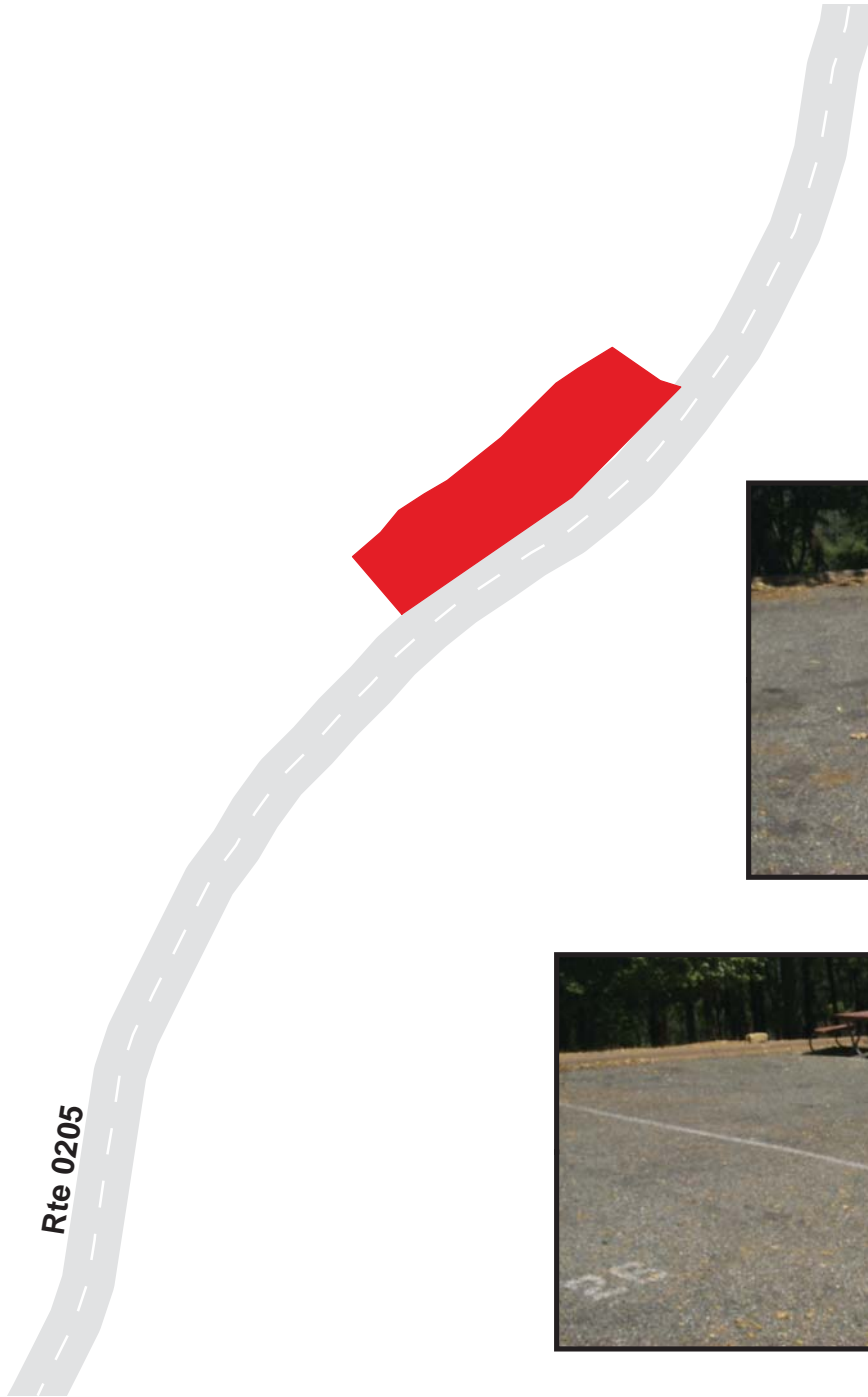
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0924D

BRANDY CREEK R.V. PARKING D  
FROM ROUTE 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924D	Public	6/10/2003	4222	0.07	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



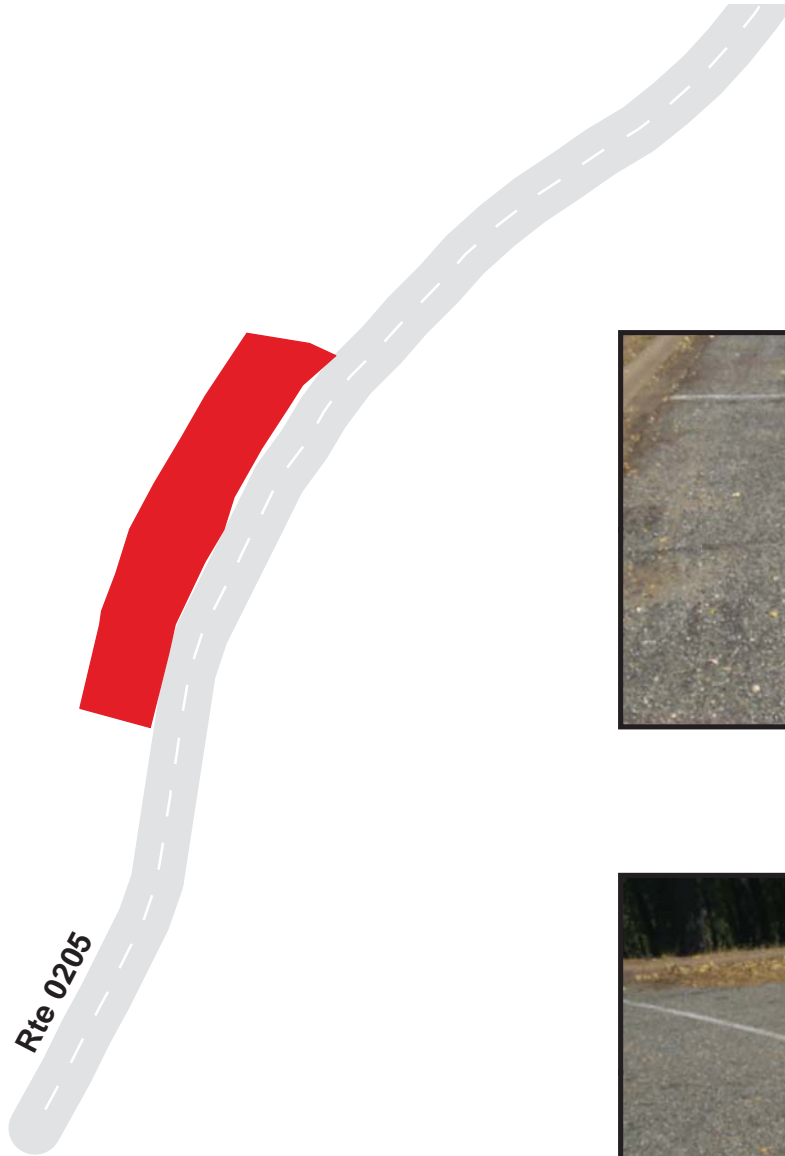
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0924E

BRANDY CREEK R.V. PARKING E  
FROM ROUTE 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924E	Public	6/10/2003	4579	0.08	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



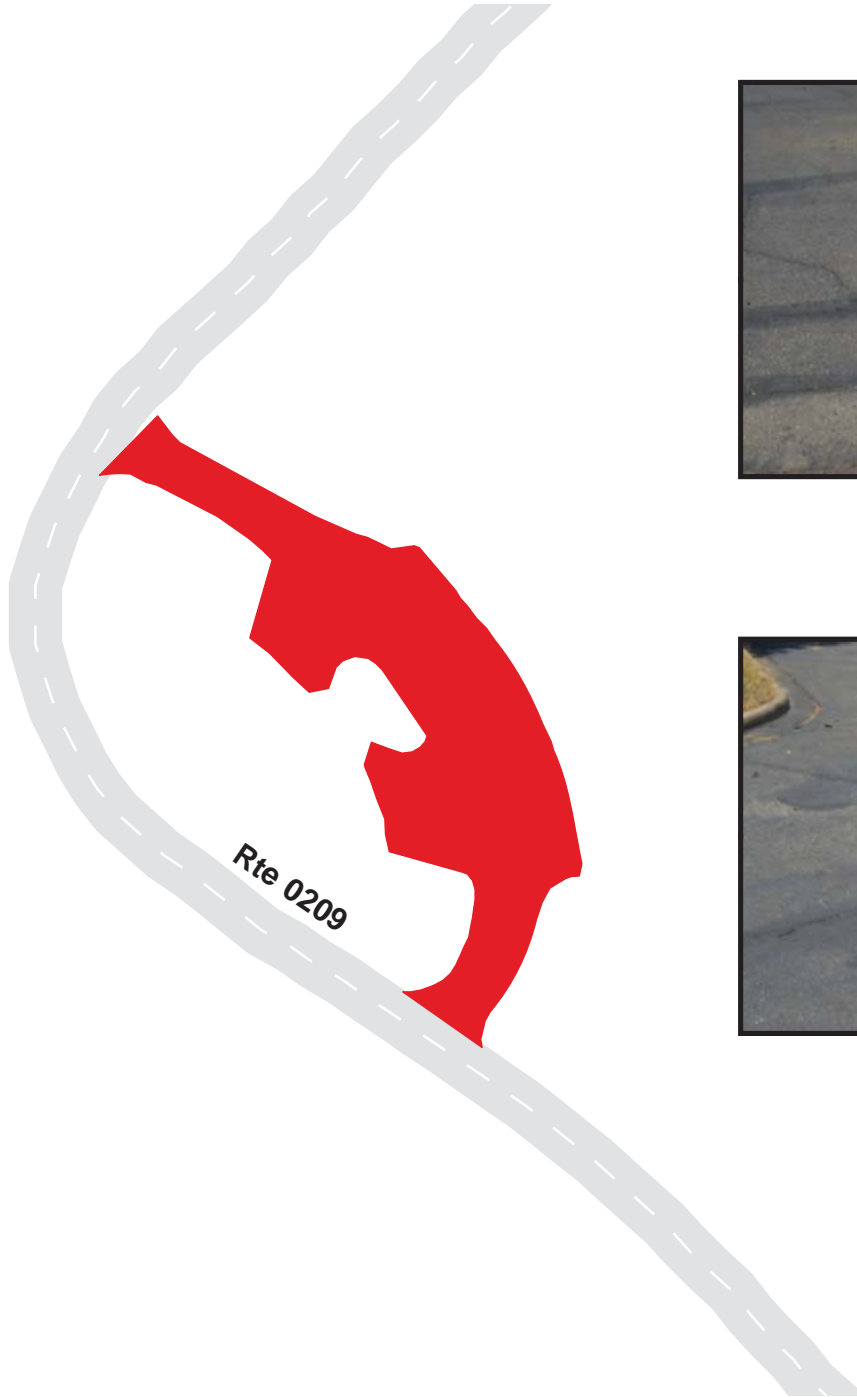
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0925

CARR PICNIC AREA PARKING  
FROM ROUTE 0209

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	6/10/2003	21238	0.37	AS	POOR / 45

\* Lane miles are based on 11' lane widths



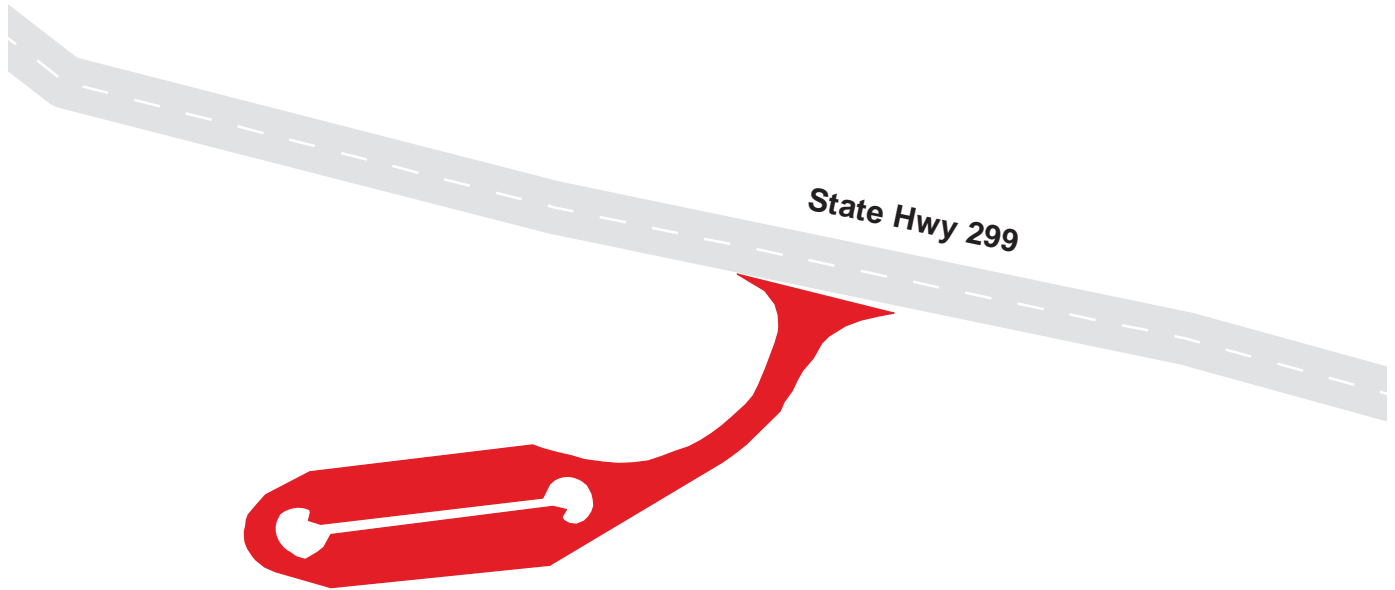
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0928

TOWER HOUSE HISTORIC DISTRICT PARKING  
FROM STATE HIGHWAY 299

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	6/10/2003	30413	0.52	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





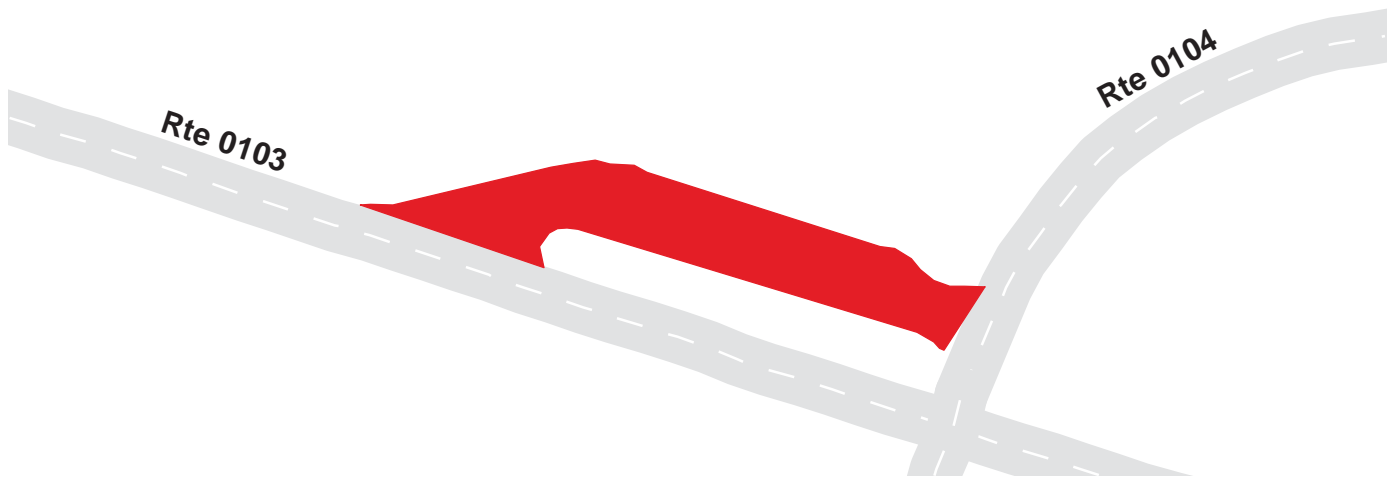
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0930

OAK BOTTOM CAMPGROUND STORE PARKING  
FROM ROUTE 0103

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	6/10/2003	9387	0.16	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



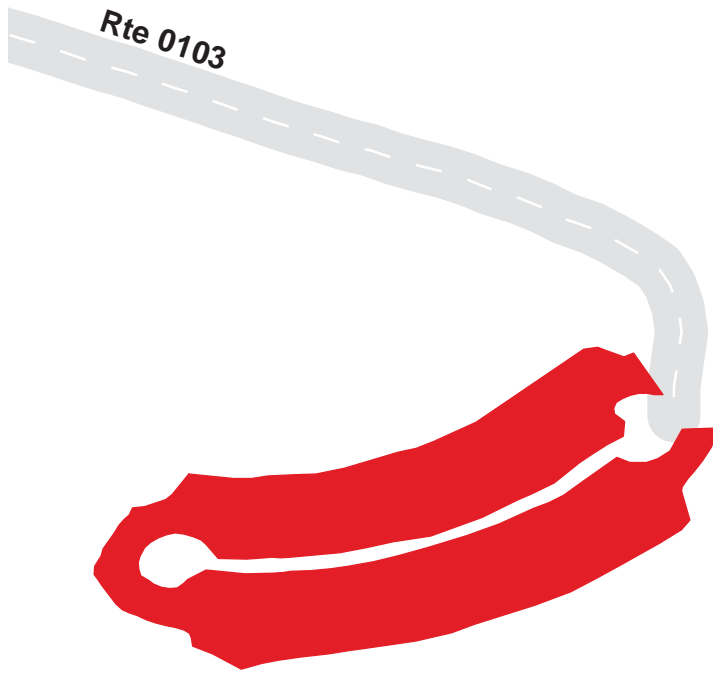
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0931

### OAK BOTTOM BEACH PARKING FROM ROUTE 0103

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	6/10/2003	36362	0.63	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



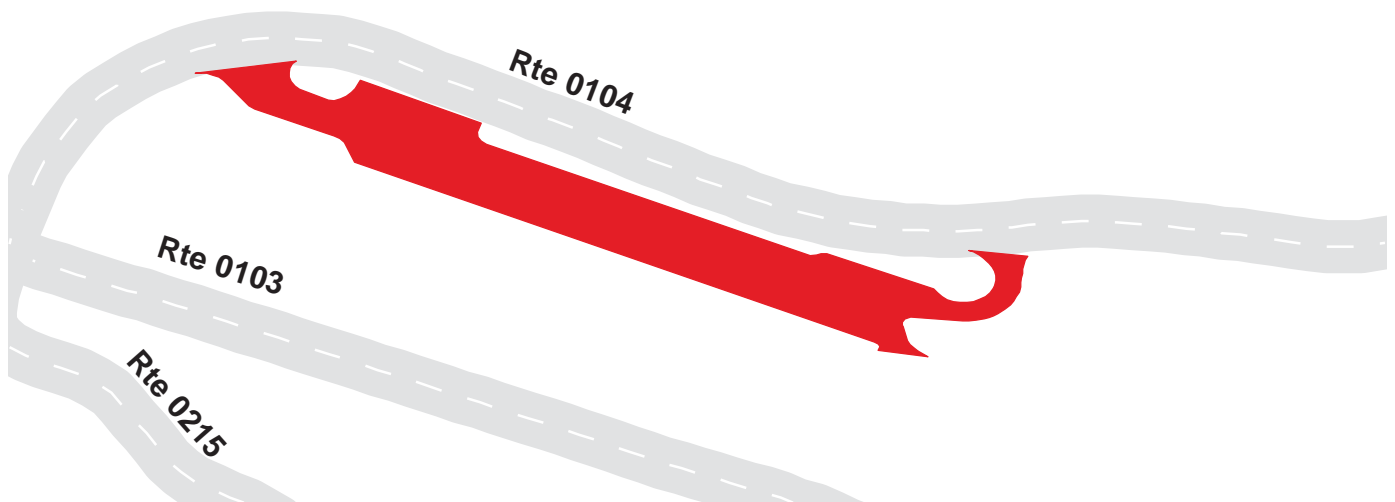
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0932

OAK BOTTOM R.V. CAMP PARKING  
FROM ROUTE 0104

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	6/10/2003	38873	0.67	OC	POOR / 45

\* Lane miles are based on 11' lane widths



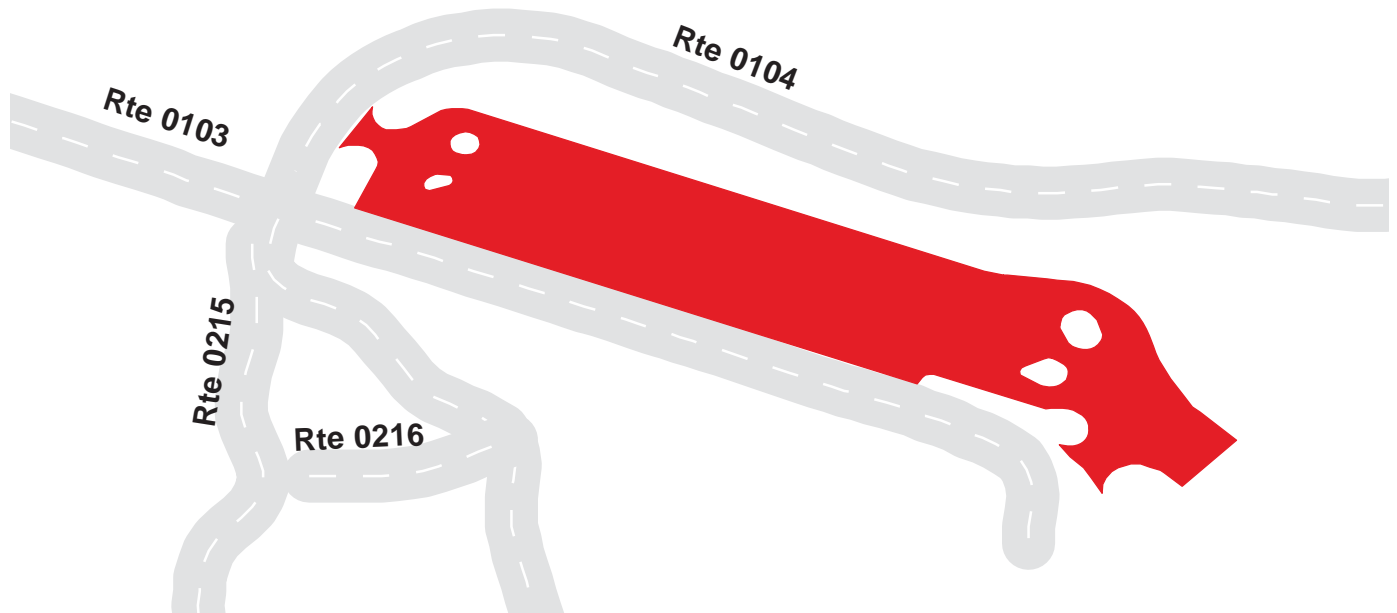
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0933

OAK BOTTOM LAUNCH RAMP  
FROM ROUTE 0104

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	6/10/2003	129803	2.23	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



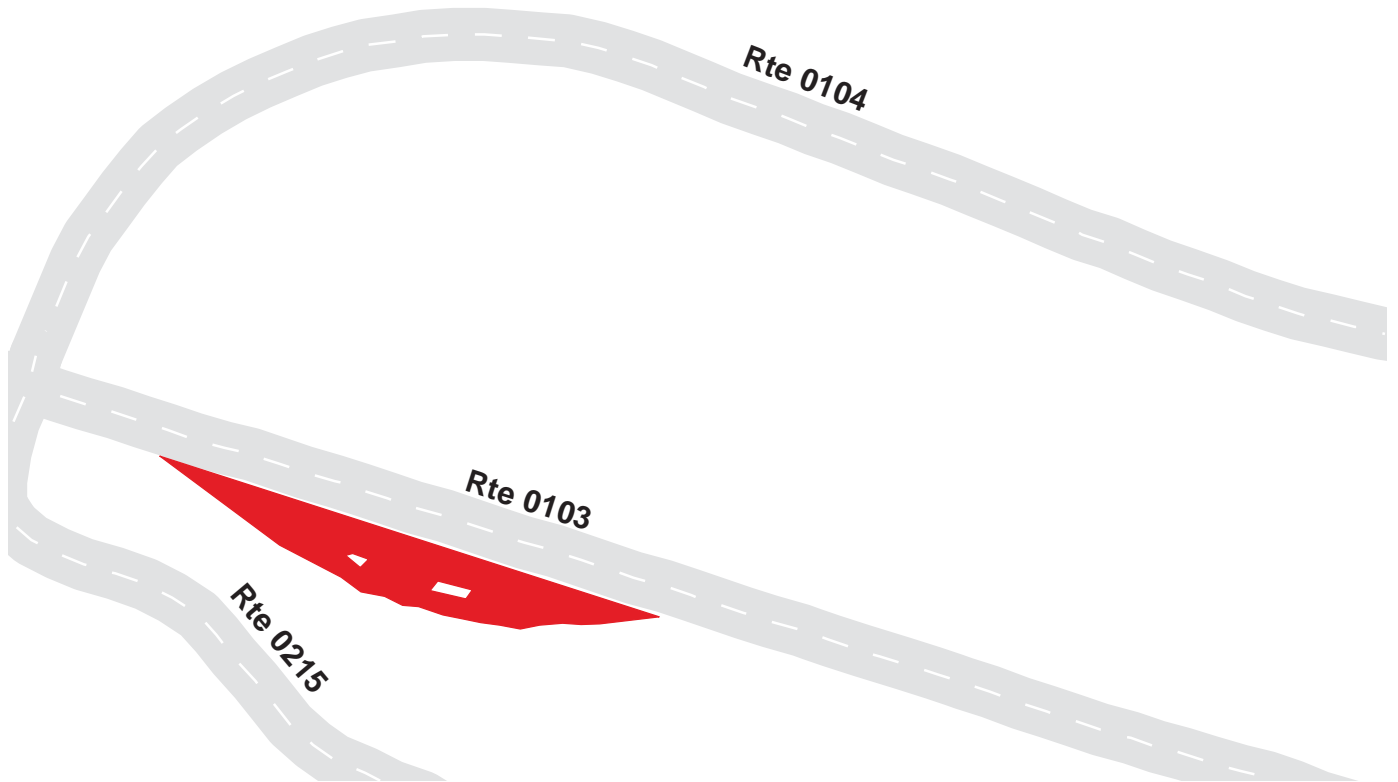
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0934

OAK BOTTOM R.V. DUMP STATION PARKING  
FROM ROUTE 0103

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	6/10/2003	6608	0.11	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



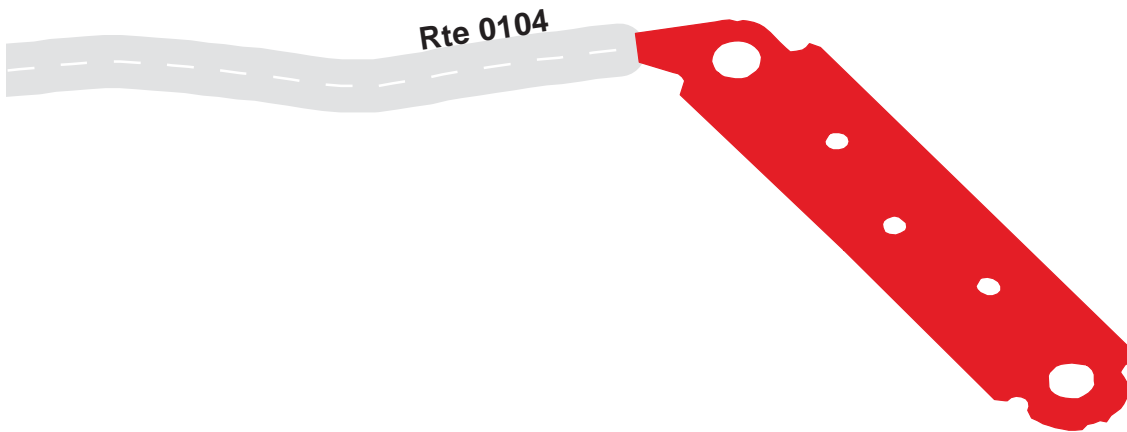
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0935

OAK BOTTOM MARINA PARKING  
FROM ROUTE 0104

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	6/10/2003	57068	0.98	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



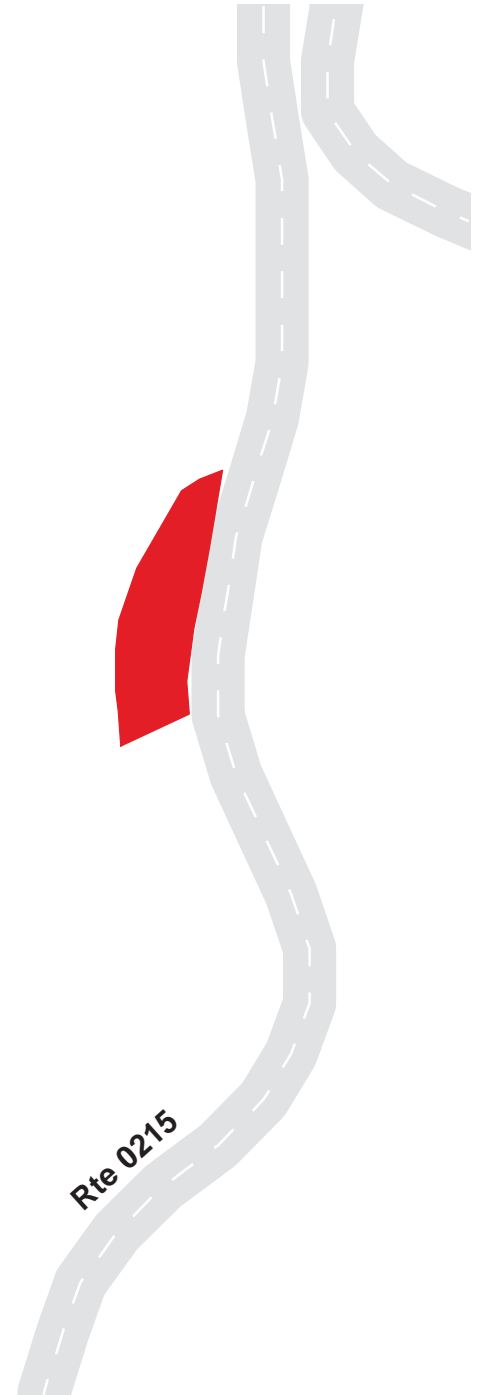
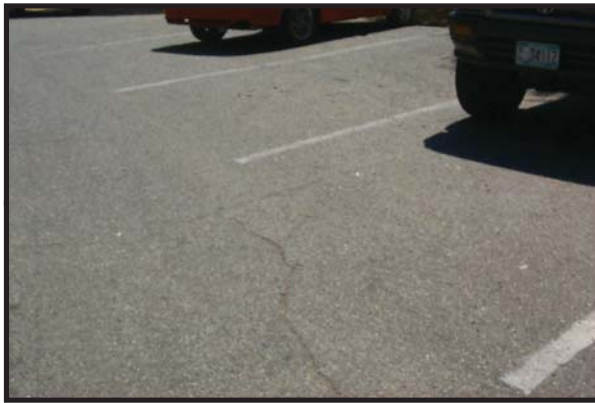
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936A

OAK BOTTOM CAMPGROUND PARKING A  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936A	Public	6/10/2003	1150	0.02	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



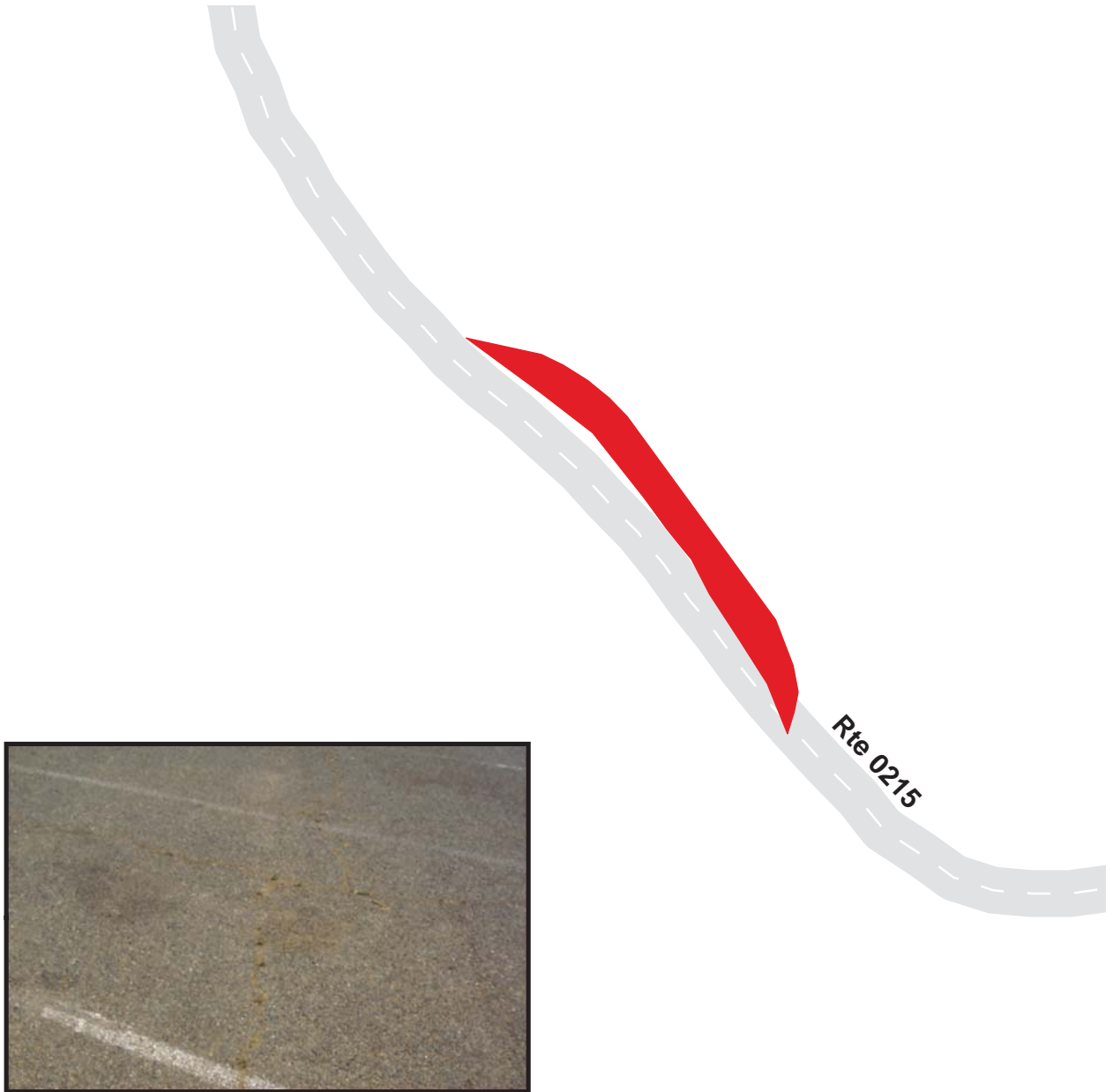
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936B

OAK BOTTOM CAMPGROUND PARKING B  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936B	Public	6/10/2003	2359	0.04	OC	FAIR / 73

\* Lane miles are based on 11' lane widths





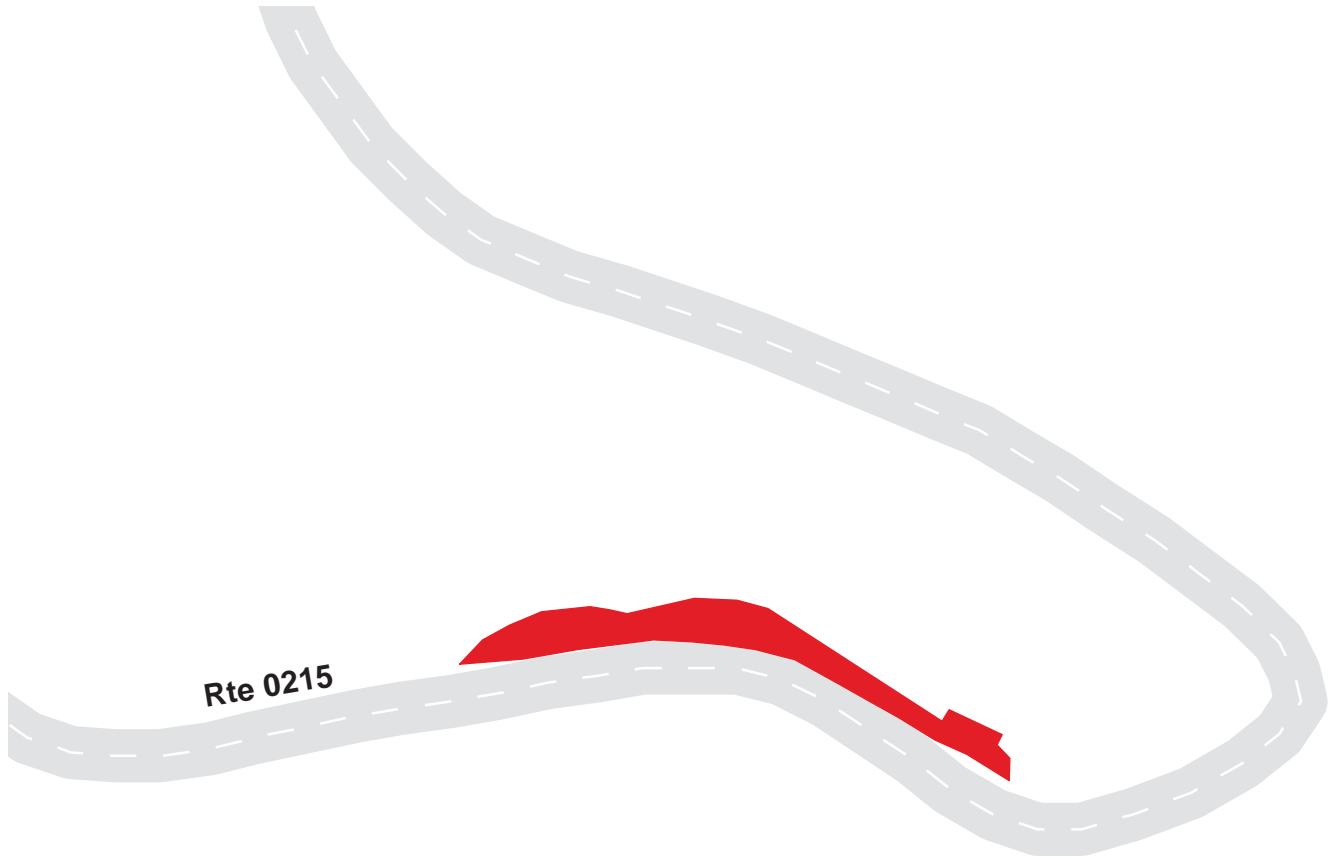
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936C

OAK BOTTOM CAMPGROUND PARKING C  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936C	Public	6/10/2003	2078	0.04	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936D

OAK BOTTOM CAMPGROUND PARKING D  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936D	Public	6/10/2003	3032	0.05	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



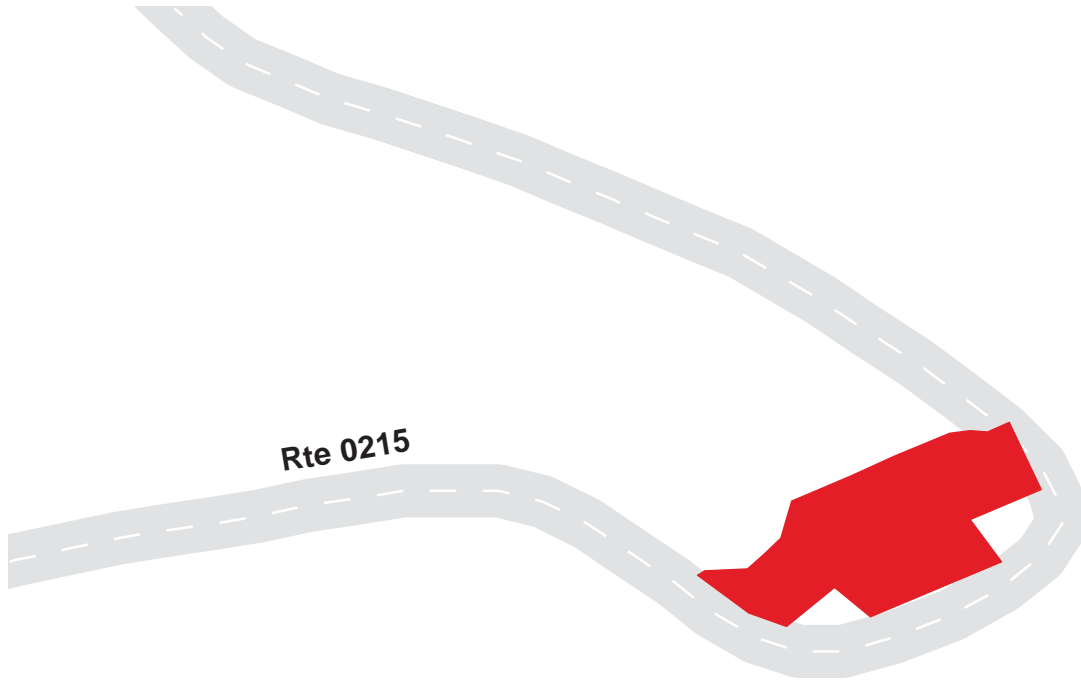
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936E

OAK BOTTOM CAMPGROUND PARKING E  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936E	Public	6/10/2003	3750	0.06	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



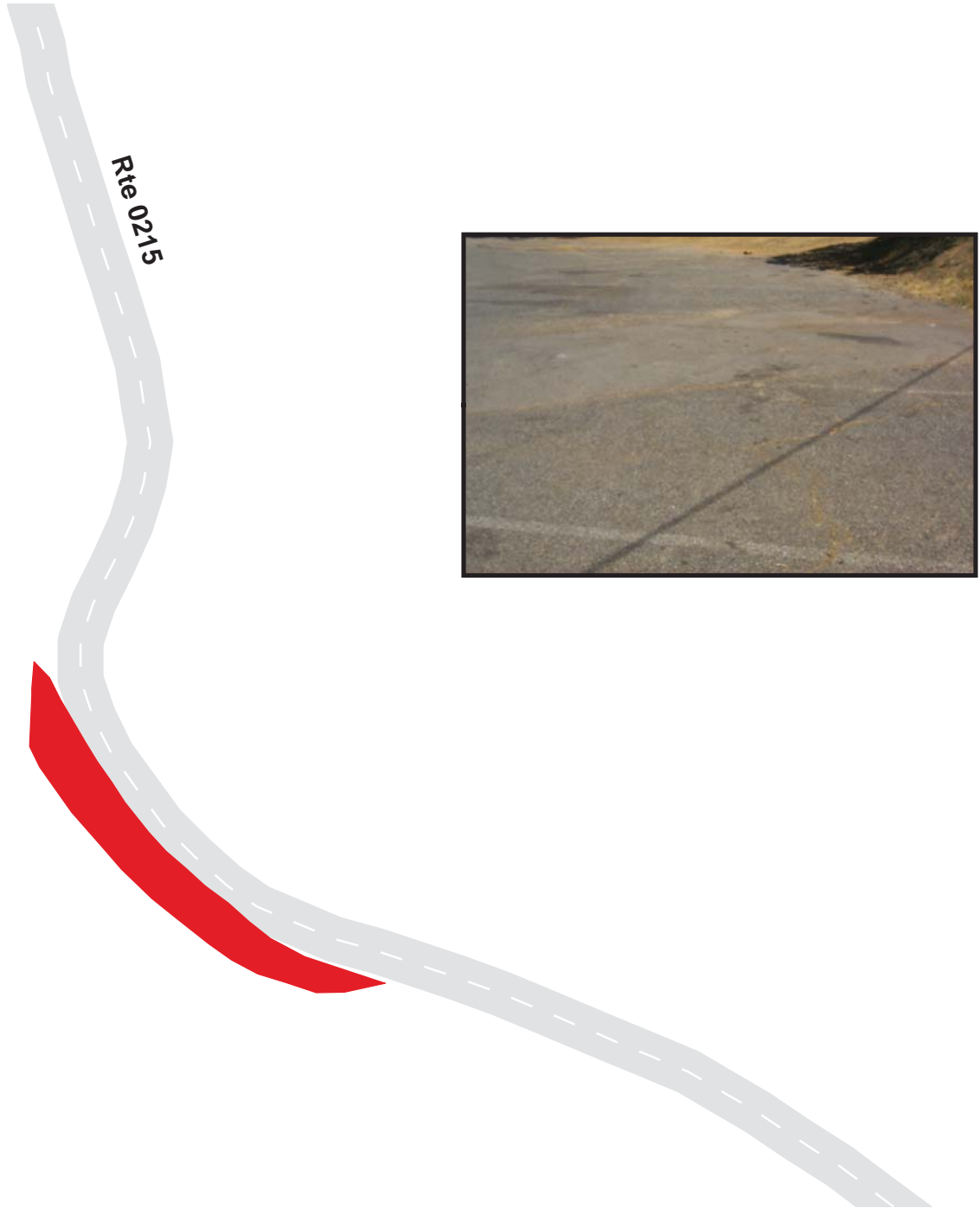
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936F

OAK BOTTOM CAMPGROUND PARKING F  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936F	Public	6/10/2003	2821	0.05	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



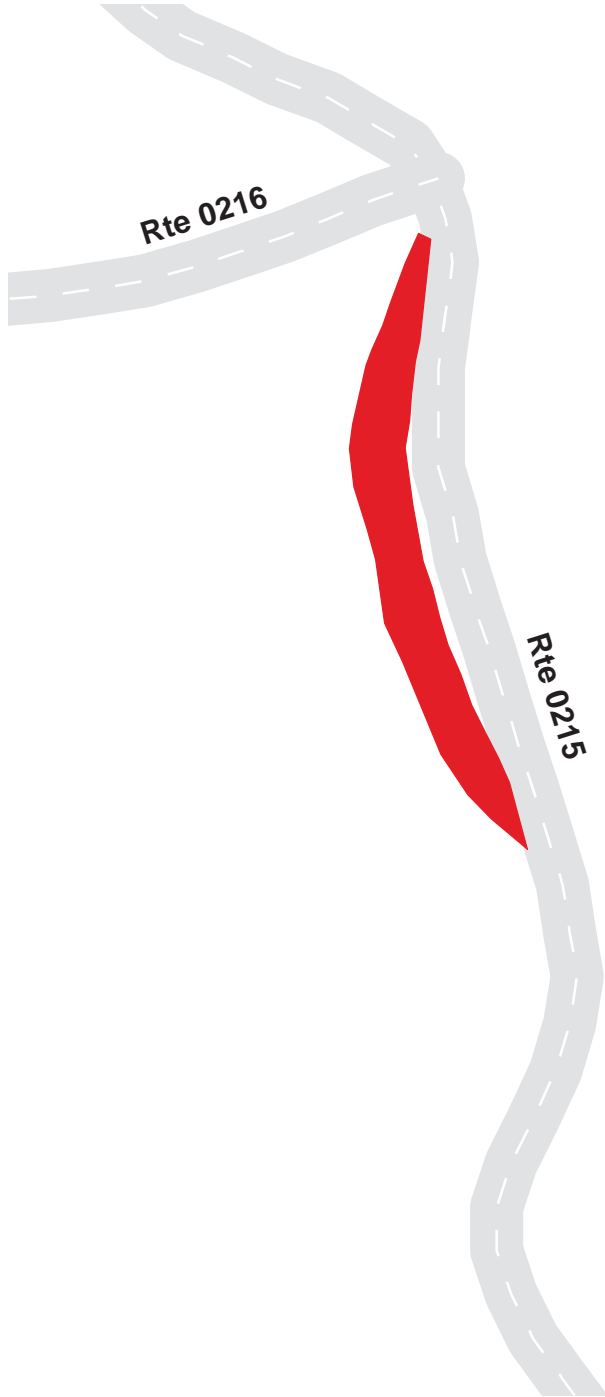
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0936G

OAK BOTTOM CAMPGROUND PARKING G  
FROM ROUTE 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936G	Public	6/10/2003	3094	0.05	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



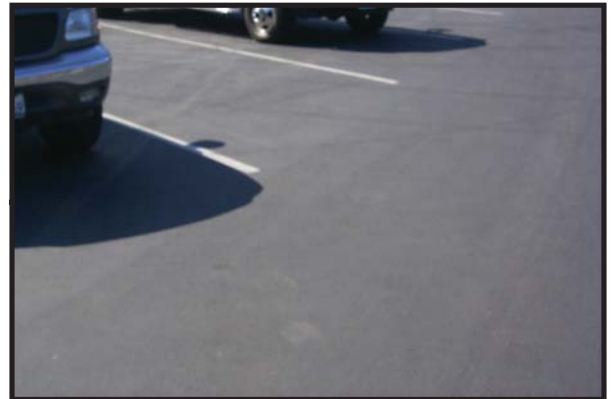
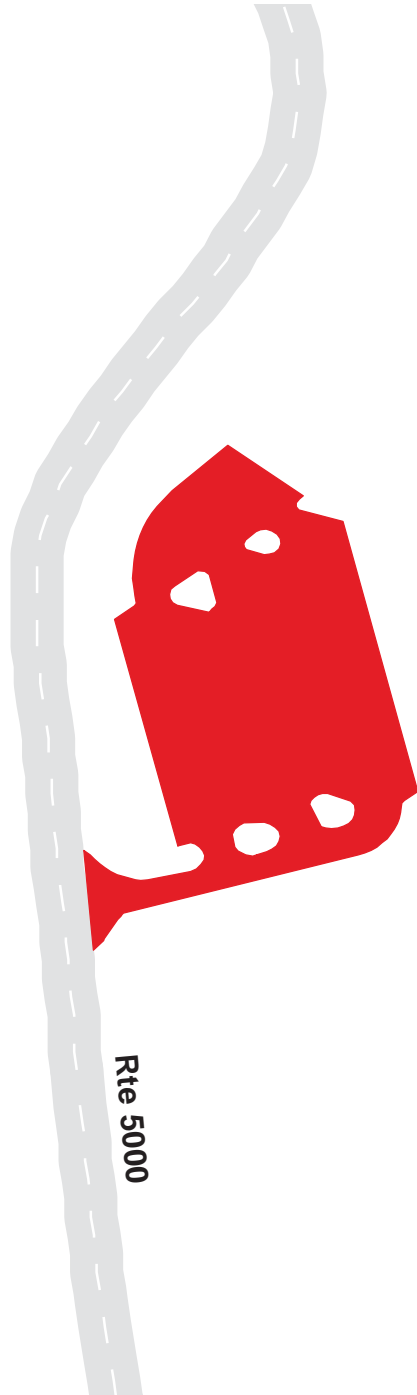
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0937

### WHISKEY CREEK BOAT LAUNCH PARKING FROM ROUTE 5000

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	6/10/2003	66413	1.14	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



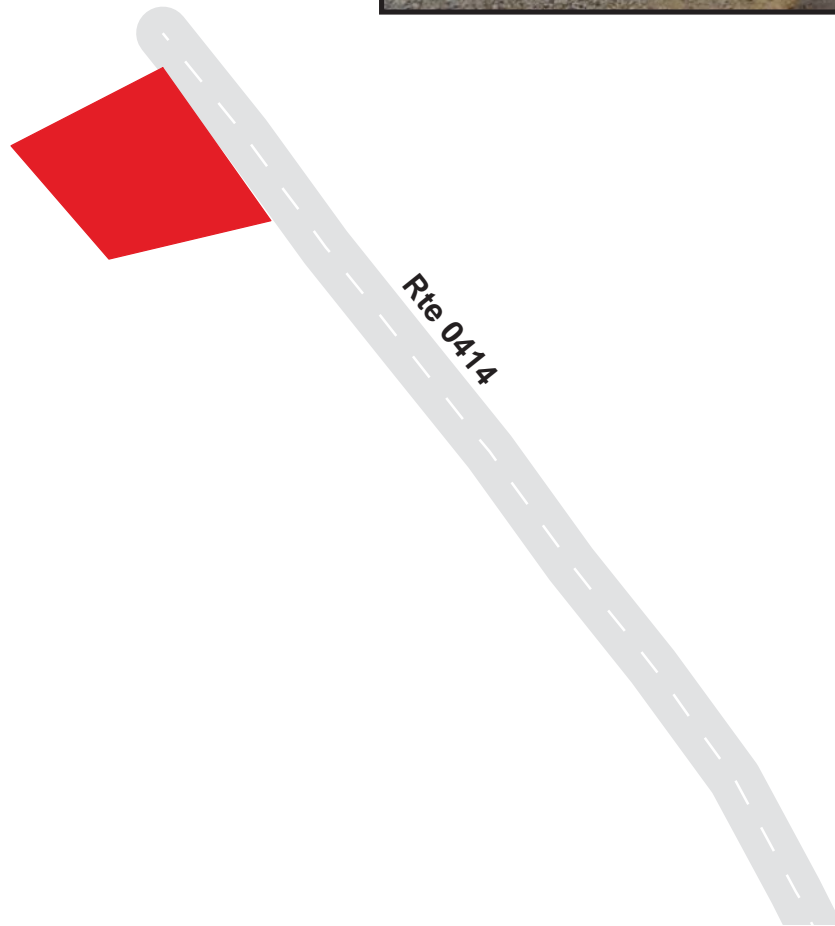
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0940

### GRIZZLY GULCH WATER TANK ACCESS PARKING FROM ROUTE 0414

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940	NonPublic	6/10/2003	379	0.01	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



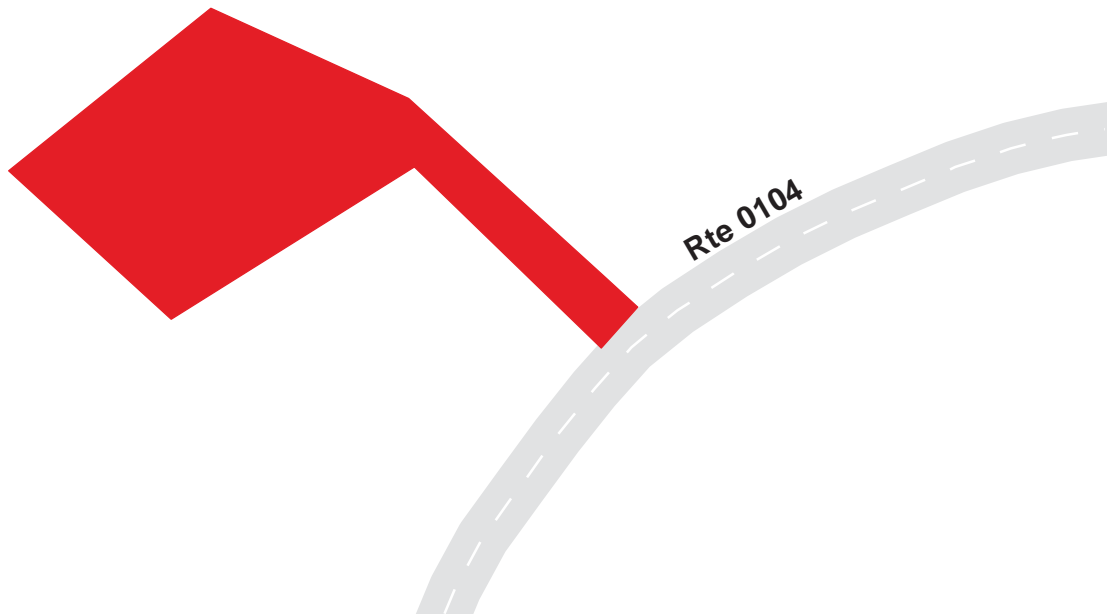
# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0941

OAK BOTTOM CAMPGROUND STORE EMPLOYEE PARKING  
FROM ROUTE 0104

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941	NonPublic	6/10/2003	5752	0.10	OC	FAIR / 73

\* Lane miles are based on 11' lane widths





# Whiskeytown-Shasta-Trinity National Recreation Area

## Route 0942

RESIDENCE 302 AND 303 PARKING  
FROM ROUTE 0104

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0942	NonPublic	6/10/2003	3867	0.07	OC	POOR / 45

\* Lane miles are based on 11' lane widths



# ***WHIS: PARKWIDE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>PARK TOTAL</i></b>	<b><i>UNIT</i></b>
BRIDGE	6	EACH
CATTLE GUARD	0	EACH
CULVERT	184	EACH
CURB	19,943	LINEAR FEET
DROP INLET	6	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	8,532	LINEAR FEET
INTERSECTION	213	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	2,043	LINEAR FEET
PULLOUT	2	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

# ***WHIS: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0010 SOUTH SHORE DRIVE EAST</i></b>	<b><i>ROUTE 0100 BRANDY CREEK BEACH ROAD</i></b>	<b><i>ROUTE 0101 BRANDY CREEK MARINA ROAD</i></b>	<b><i>ROUTE 0103 OAK BOTTOM BEACH ROAD</i></b>	<b><i>ROUTE 0104 OAK BOTTOM MARINA ROAD</i></b>	<b><i>ROUTE 0105 TOWER HOUSE FOOTBRIDGE ACCESS ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	13	5	4	3	0	0	EACH
CURB	3,094	0	1,257	1,906	211	0	LINEAR FEET
DROP INLET	1	0	1	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	480	0	0	0	LINEAR FEET
INTERSECTION	2	5	9	9	9	2	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	1,093	0	950	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***WHIS: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0201 NEED CAMP ROAD</i></b>	<b><i>ROUTE 0205 BRANDY CREEK MARINA RV CAMPGROUND</i></b>	<b><i>ROUTE 0206 DRY CREEK CAMPGROUND</i></b>	<b><i>ROUTE 0209 CARR POWERHOUSE ROAD</i></b>	<b><i>ROUTE 0211 CARR LAKE ACCESS ROAD</i></b>	<b><i>ROUTE 0215 OAK BOTTOM CAMPGROUND LOOP A</i></b>	<b><i>UNIT</i></b>
BRIDGE	1	0	0	1	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	2	10	1	1	EACH
CURB	0	1,800	0	597	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	2	7	3	12	4	19	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	2	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***WHIS: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0216 OAK BOTTOM CAMPGROUND LOOP B</i></b>	<b><i>ROUTE 0220 WHISKEY CREEK GROUP PICNIC ROAD</i></b>	<b><i>ROUTE 0221 CRYSTAL CREEK CAMP ACCESS ROAD</i></b>	<b><i>ROUTE 0400 HEADQUARTERS ROAD</i></b>	<b><i>ROUTE 0401 NEED CAMP RESIDENCE ROAD</i></b>	<b><i>ROUTE 0404 BRANDY CREEK SERVICE ROAD SOUTH</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	1	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	11	20	0	0	0	EACH
CURB	0	58	0	206	0	0	LINEAR FEET
DROP INLET	0	0	0	1	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	5	0	0	0	LINEAR FEET
INTERSECTION	3	8	5	13	1	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# WHIS: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0405 CARR POWERHOUSE SERVICE ROAD</i>	<i>ROUTE 0406 QUARTERS 324 ROAD</i>	<i>ROUTE 0407 GRIZZLY GULCH ROAD</i>	<i>ROUTE 0410 TOWER RESIDENCE ROAD</i>	<i>ROUTE 0411 BULL GULCH SERVICE ROAD</i>	<i>ROUTE 0414 GRIZZLY GULCH WATER TANK ACCESS ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	1	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	4	2	6	0	4	0	EACH
CURB	0	285	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	195	0	0	LINEAR FEET
INTERSECTION	5	4	6	9	3	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***WHIS: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0415 GOVERNMENT BOAT LAUCH LOOP</i></b>	<b><i>ROUTE 5000 WHISKEY CREEK ROAD</i></b>	<b><i>ROUTE 5010 KENNEDY MEMORIAL DRIVE</i></b>	<b><i>ROUTE 5201 PAIGE BAR ROAD</i></b>	<b><i>ROUTE 5221 CRYSTAL CREEK ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	1	0	1	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	31	44	10	13	EACH
CURB	111	528	9,768	0	121	LINEAR FEET
DROP INLET	1	0	2	0	0	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	7,635	0	216	LINEAR FEET
INTERSECTION	3	16	23	17	6	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

# WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0010 : SOUTH SHORE DRIVE EAST

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT KENNEDY MEMORIAL DRIVE (AFTER BRANDY CREEK BRIDGE)
0.007	0.028	CURB	RIGHT	
0.029	0.029	DROP INLET	RIGHT	
0.065	0.065	CULVERT	N/A	
0.067	0.115	CURB	RIGHT	
0.086	0.086	CULVERT	N/A	
0.182	0.213	PAVED DITCH	RIGHT	
0.215	0.253	CURB	RIGHT	
0.222	0.222	CULVERT	N/A	
0.286	0.310	CURB	LEFT	
0.288	0.288	CULVERT	N/A	
0.343	0.388	CURB	LEFT	
0.344	0.398	CURB	RIGHT	
0.365	0.365	CULVERT	N/A	
0.428	0.545	CURB	LEFT	
0.435	0.435	INTERSECTION	RIGHT	RTE 101
0.446	0.469	CURB	RIGHT	
0.461	0.461	CULVERT	N/A	
0.511	0.511	CULVERT	N/A	
0.514	0.570	PAVED DITCH	RIGHT	
0.588	0.641	CURB	RIGHT	
0.628	0.628	CULVERT	N/A	
0.695	0.763	CURB	RIGHT	
0.696	0.696	CULVERT	N/A	
0.728	0.728	CULVERT	N/A	
0.741	0.741	CULVERT	N/A	



# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : SOUTH SHORE DRIVE EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.768	0.831	PAVED DITCH	RIGHT	
0.778	0.835	PAVED DITCH	LEFT	
0.833	0.890	CURB	RIGHT	
0.858	0.858	CULVERT	N/A	
0.991	1.029	CURB	RIGHT	
1.015	1.015	CULVERT	N/A	
1.038	1.038	INTERSECTION	LEFT	SOUTH SHORE DRIVE (GRAVEL)
1.040	1.040			ROUTE ENDS AT ROUTE 206

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0100 : BRANDY CREEK BEACH ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT KENNEDY MEMORIAL DRIVE
0.004	0.004	INTERSECTION	LEFT	KENNEDY MEMORIAL DRIVE
0.035	0.035	INTERSECTION	RIGHT	
0.066	0.066	CULVERT	N/A	
0.122	0.122	CULVERT	N/A	
0.129	0.129	INTERSECTION	LEFT	RTE 919
0.167	0.167	CULVERT	N/A	
0.245	0.245	CULVERT	N/A	
0.367	0.367	CULVERT	N/A	
0.370	0.370			ROUTE ENDS AT ROUTE 920
0.372	0.372	INTERSECTION	LEFT	ROUTE 920
0.373	0.373	INTERSECTION	RIGHT	ROUTE 920

# WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0101 : BRANDY CREEK MARINA ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.006	0.006	INTERSECTION	LEFT	RTE 010
0.010	0.026	CURB	LEFT	
0.011	0.011	INTERSECTION	RIGHT	RTE 010
0.025	0.025	CULVERT	N/A	
0.025	0.025	DROP INLET	RIGHT	
0.026	0.078	PAVED DITCH	RIGHT	
0.062	0.084	PAVED DITCH	LEFT	
0.075	0.105	CURB	RIGHT	
0.091	0.091	CULVERT	N/A	
0.121	0.180	CURB	LEFT	
0.123	0.180	GUARDRAIL	LEFT	
0.124	0.158	GUARDRAIL	RIGHT	
0.164	0.249	PAVED DITCH	RIGHT	
0.187	0.208	PAVED DITCH	LEFT	
0.257	0.257	CULVERT	N/A	
0.285	0.285	INTERSECTION	RIGHT	RTE 205
0.359	0.372	CURB	LEFT	
0.368	0.368	CULVERT	N/A	
0.375	0.419	CURB	RIGHT	
0.382	0.382	INTERSECTION	LEFT	RTE 923
0.388	0.458	CURB	LEFT	
0.425	0.425	INTERSECTION	RIGHT	RTE 922
0.429	0.430	CURB	RIGHT	
0.437	0.437	INTERSECTION	RIGHT	RTE 922
0.440	0.442	CURB	RIGHT	
0.449	0.449	INTERSECTION	RIGHT	RTE 922

# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0101 : BRANDY CREEK MARINA ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.454	0.457	CURB	RIGHT	
0.458	0.458	INTERSECTION	RIGHT	RTE 922
0.460	0.460			ROUTE ENDS AT ROUTE 922
0.461	0.461	INTERSECTION	LEFT	

# WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0103 : OAK BOTTOM BEACH ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 299
0.006	0.006	INTERSECTION	RIGHT	STATE HWY 299
0.013	0.033	CURB	RIGHT	
0.019	0.019	CULVERT	N/A	
0.071	0.071	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.121	0.141	CURB	LEFT	
0.126	0.172	CURB	RIGHT	
0.135	0.135	CULVERT	N/A	
0.186	0.186	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.219	0.219	CULVERT	N/A	
0.222	0.272	CURB	RIGHT	
0.227	0.227	INTERSECTION	LEFT	RTE 930
0.275	0.275	INTERSECTION	RIGHT	RTE 215
0.276	0.276	INTERSECTION	LEFT	RTE 104
0.284	0.429	CURB	LEFT	
0.298	0.345	CURB	RIGHT	
0.323	0.323	INTERSECTION	RIGHT	RTE 934
0.434	0.434	INTERSECTION	LEFT	RTE 933
0.442	0.469	CURB	LEFT	
0.447	0.453	CURB	LEFT	
0.450	0.450			ROUTE ENDS AT ROUTE 931
0.450	0.450	INTERSECTION	RIGHT	RTE 931

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0104 : OAK BOTTOM MARINA ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 103
0.006	0.006	INTERSECTION	LEFT	RTE 103
0.006	0.018	CURB	RIGHT	
0.007	0.007	INTERSECTION	RIGHT	RTE 103
0.009	0.009	INTERSECTION	LEFT	RTE 930
0.025	0.025	INTERSECTION	RIGHT	RTE 933
0.030	0.047	CURB	RIGHT	
0.036	0.036	INTERSECTION	LEFT	RTE 941
0.056	0.056	INTERSECTION	RIGHT	RTE 932
0.064	0.066	CURB	RIGHT	
0.176	0.176	INTERSECTION	RIGHT	RTE 932
0.280	0.280			ROUTE ENDS AT ROUTE 935
0.282	0.282	INTERSECTION	RIGHT	RTE 935
0.283	0.283	INTERSECTION	LEFT	RTE 935
0.289	0.298	CURB	LEFT	

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0105 : TOWER HOUSE FOOTBRIDGE ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 299
0.008	0.008	INTERSECTION	RIGHT	STATE HIGHWAY 299
0.080	0.080			ROUTE ENDS AT END
0.086	0.086	INTERSECTION	LEFT	

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0201 : NEED CAMP ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 256
0.006	0.006	INTERSECTION	RIGHT	RTE 256
0.099	0.114	BRIDGE	N/A	
0.280	0.280			ROUTE ENDS AT ROUTE 914
0.280	0.280	INTERSECTION	LEFT	ROUTE 914



# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0205 : BRANDY CREEK MARINA RV CAMPGROUND**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 101
0.007	0.108	CURB	RIGHT	
0.008	0.008	INTERSECTION	RIGHT	RTE 101
0.128	0.128	INTERSECTION	LEFT	RTE 924A
0.135	0.166	CURB	RIGHT	
0.136	0.162	PULLOUT	RIGHT	
0.148	0.148	INTERSECTION	LEFT	PULLOUT
0.189	0.189	INTERSECTION	LEFT	RTE 924B
0.199	0.209	CURB	LEFT	
0.235	0.257	CURB	LEFT	
0.242	0.242	INTERSECTION	LEFT	RTE 924C
0.265	0.304	CURB	RIGHT	
0.286	0.321	CURB	LEFT	
0.305	0.378	CURB	RIGHT	
0.322	0.322	INTERSECTION	RIGHT	RTE 924D
0.336	0.344	PULLOUT	RIGHT	
0.358	0.358	INTERSECTION	RIGHT	RTE 924E
0.361	0.391	CURB	LEFT	
0.420	0.420			ROUTE ENDS AT END

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0206 : DRY CREEK CAMPGROUND**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 010
0.008	0.008	INTERSECTION	RIGHT	RTE 010
0.013	0.013	CULVERT	N/A	
0.023	0.023	INTERSECTION	LEFT	RTE 206 SPUR
0.132	0.132	CULVERT	N/A	
0.190	0.190			ROUTE ENDS AT ROUTE 938
0.194	0.194	INTERSECTION	LEFT	RTE 938

# WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0209 : CARR POWERHOUSE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 299
0.007	0.007	INTERSECTION	RIGHT	STATE HIGHWAY 299
0.081	0.081	INTERSECTION	LEFT	RTE 211
0.153	0.188	BRIDGE	N/A	
0.202	0.202	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.207	0.207	CULVERT	N/A	
0.272	0.272	CULVERT	N/A	
0.413	0.413	CULVERT	N/A	
0.451	0.451	INTERSECTION	RIGHT	RTE 405
0.462	0.462	CULVERT	N/A	
0.549	0.549	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.554	0.554	INTERSECTION	LEFT	NPS GRAVEL ROAD
0.567	0.567	INTERSECTION	LEFT	NPS GRAVEL ROAD
0.590	0.590	CULVERT	N/A	
0.630	0.630	INTERSECTION	LEFT	RTE 925
0.664	0.664	CULVERT	N/A	
0.711	0.824	CURB	RIGHT	
0.712	0.712	INTERSECTION	LEFT	RTE 925
0.728	0.728	CULVERT	N/A	
0.741	0.741	INTERSECTION	LEFT	NON NPS ROAD
0.809	0.809	INTERSECTION	LEFT	
0.828	0.828	CULVERT	N/A	
0.897	0.897	CULVERT	N/A	
1.047	1.047	CULVERT	N/A	
1.099	1.099	INTERSECTION	LEFT	SOUTH SHORE DRIVE
1.100	1.100			ROUTE ENDS AT ROUTE 152

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0211 : CARR LAKE ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 209
0.006	0.006	INTERSECTION	RIGHT	ROUTE 209
0.098	0.098	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.352	0.352	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.386	0.386	CULVERT	N/A	
0.469	0.469	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.500	0.500			ROUTE ENDS AT END

# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0215 : OAK BOTTOM CAMPGROUND LOOP A***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 103
0.008	0.008	INTERSECTION	LEFT	RTE 103
0.022	0.022	INTERSECTION	LEFT	RTE 215
0.034	0.034	INTERSECTION	RIGHT	RTE 936A
0.054	0.054	CULVERT	N/A	
0.065	0.065	INTERSECTION	LEFT	RTE 216
0.090	0.090	INTERSECTION	RIGHT	
0.171	0.171	INTERSECTION	LEFT	RTE 936B
0.231	0.231	INTERSECTION	LEFT	RTE 936C
0.262	0.262	INTERSECTION	LEFT	RTE 936E
0.274	0.274	INTERSECTION	RIGHT	RTE 936D
0.314	0.314	INTERSECTION	LEFT	RTE 936E
0.349	0.349	INTERSECTION	LEFT	RTE 936F
0.374	0.374	INTERSECTION	LEFT	
0.417	0.417	INTERSECTION	LEFT	RTE 936G
0.449	0.449	INTERSECTION	LEFT	RTE 216
0.450	0.450	INTERSECTION	RIGHT	
0.474	0.474	INTERSECTION	LEFT	
0.509	0.509	INTERSECTION	LEFT	RTE 215
0.528	0.528	INTERSECTION	LEFT	RTE 103
0.529	0.529	INTERSECTION	RIGHT	RTE 103
0.530	0.530			ROUTE ENDS AT ROUTE 103

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0216 : OAK BOTTOM CAMPGROUND LOOP B**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 215
0.006	0.006	INTERSECTION	RIGHT	RTE 215
0.047	0.047	INTERSECTION	LEFT	RTE 215
0.048	0.048	INTERSECTION	RIGHT	RTE 215
0.050	0.050			ROUTE ENDS AT ROUTE 215

# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0220 : WHISKEY CREEK GROUP PICNIC ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT WHISKEY CREEK ROAD
0.005	0.005	INTERSECTION	RIGHT	WHISKEY CREEK RD
0.132	0.132	CULVERT	N/A	
0.135	0.135	INTERSECTION	LEFT	
0.188	0.188	INTERSECTION	RIGHT	
0.283	0.294	CURB	RIGHT	
0.298	0.298	CULVERT	N/A	
0.305	0.305	CULVERT	N/A	
0.310	0.310	INTERSECTION	LEFT	
0.316	0.316	CULVERT	N/A	
0.329	0.329	INTERSECTION	RIGHT	
0.349	0.349	CULVERT	N/A	
0.369	0.369	INTERSECTION	LEFT	NPS GRAVEL ROAD
0.449	0.449	CULVERT	N/A	
0.493	0.493	CULVERT	N/A	
0.639	0.639	CULVERT	N/A	
0.773	0.773	CULVERT	N/A	
0.774	0.774	INTERSECTION	RIGHT	NPS GRAVEL PKG
0.891	0.891	INTERSECTION	LEFT	NPS DIRT ROAD
0.908	0.908	CULVERT	N/A	
1.358	1.358	CULVERT	N/A	
1.360	1.360			ROUTE ENDS AT END

# WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0221 : CRYSTAL CREEK CAMP ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT COUNTY LINE (GATE)
0.138	0.138	CULVERT	N/A	
0.192	0.192	CULVERT	N/A	
0.256	0.256	CULVERT	N/A	
0.363	0.363	CULVERT	N/A	
0.453	0.453	CULVERT	N/A	
0.588	0.588	CULVERT	N/A	
0.789	0.789	INTERSECTION	LEFT	
0.852	0.852	CULVERT	N/A	
0.905	0.905	CULVERT	N/A	
0.973	0.973	CULVERT	N/A	
1.026	1.026	CULVERT	N/A	
1.032	1.032	INTERSECTION	LEFT	NPS GRAVEL PKG
1.132	1.132	CULVERT	N/A	
1.189	1.189	CULVERT	N/A	
1.261	1.261	CULVERT	N/A	
1.334	1.334	CULVERT	N/A	
1.374	1.374	CULVERT	N/A	
1.406	1.406	CULVERT	N/A	
1.515	1.515	CULVERT	N/A	
1.559	1.559	CULVERT	N/A	
1.578	1.578	CULVERT	N/A	
1.637	1.637	INTERSECTION	LEFT	NPS GRAVEL PKG
1.763	1.763	INTERSECTION	RIGHT	COGGINS PARK ROAD
1.852	1.852	CULVERT	N/A	
1.899	1.899	INTERSECTION	LEFT	NPS GRAVEL PKG
1.961	1.962	GUARDRAIL	RIGHT	



**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0221 : CRYSTAL CREEK CAMP ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
1.970	1.970			ROUTE ENDS AT END OF BRIDGE

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0400 : HEADQUARTERS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT KENNEDY MEMORIAL DRIVE
0.003	0.003	INTERSECTION	RIGHT	KENNEDY MEMORIAL DRIVE
0.016	0.031	CURB	RIGHT	
0.025	0.025	INTERSECTION	RIGHT	NPS GRAVEL PKG
0.045	0.045	INTERSECTION	RIGHT	RTE 901
0.057	0.057	INTERSECTION	RIGHT	RTE 902B
0.060	0.060	INTERSECTION	LEFT	RTE 902A
0.081	0.081	INTERSECTION	LEFT	RTE 904
0.104	0.104	INTERSECTION	RIGHT	RTE 905
0.106	0.106	INTERSECTION	RIGHT	RTE 907
0.124	0.124	INTERSECTION	LEFT	RTE 904
0.137	0.137	DROP INLET	LEFT	
0.148	0.148	INTERSECTION	RIGHT	
0.186	0.210	CURB	RIGHT	
0.219	0.219	INTERSECTION	LEFT	
0.229	0.229	INTERSECTION	LEFT	RTE 415
0.230	0.230	INTERSECTION	RIGHT	RTE 415
0.240	0.240			ROUTE ENDS AT ROUTE 414

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0401 : NEED CAMP RESIDENCE ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 201
0.055	0.055	INTERSECTION	LEFT	RTE 915
0.088	0.097	BRIDGE	N/A	
0.100	0.100			ROUTE ENDS AT END

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0404 : BRANDY CREEK SERVICE ROAD SOUTH**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT KENNEDY MEMORIAL DRIVE
0.044	0.044	INTERSECTION	LEFT	NPS DIRT ROAD
0.058	0.058	INTERSECTION	RIGHT	NPS DIRT ROAD
0.143	0.143	INTERSECTION	RIGHT	
0.168	0.168	INTERSECTION	RIGHT	ROUTE 917
0.170	0.170			ROUTE ENDS AT ROUTE 917

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0405 : CARR POWERHOUSE SERVICE ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 209
0.005	0.005	INTERSECTION	LEFT	ROUTE 209
0.047	0.047	INTERSECTION	RIGHT	
0.055	0.055	CULVERT	N/A	
0.084	0.084	CULVERT	N/A	
0.086	0.086	INTERSECTION	LEFT	
0.105	0.105	INTERSECTION	LEFT	
0.106	0.106	CULVERT	N/A	
0.139	0.139	CULVERT	N/A	
0.139	0.139	INTERSECTION	LEFT	
0.140	0.140			ROUTE ENDS AT END

# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0406 : QUARTERS 324 ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 299
0.006	0.006	INTERSECTION	LEFT	STATE HIGHWAY 299
0.014	0.068	CURB	LEFT	
0.024	0.024	INTERSECTION	RIGHT	
0.029	0.029	CULVERT	N/A	
0.078	0.078	INTERSECTION	RIGHT	
0.137	0.137	CULVERT	N/A	
0.264	0.264	INTERSECTION	RIGHT	
0.280	0.280			ROUTE ENDS AT END

# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0407 : GRIZZLY GULCH ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT STATE HIGHWAY 299
0.041	0.041	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.058	0.058	CULVERT	N/A	
0.060	0.060	CULVERT	N/A	
0.157	0.157	CULVERT	N/A	
0.179	0.179	INTERSECTION	LEFT	RTE 414
0.202	0.202	INTERSECTION	RIGHT	
0.206	0.206	CULVERT	N/A	
0.226	0.226	CULVERT	N/A	
0.242	0.242	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.263	0.263	INTERSECTION	LEFT	
0.309	0.309	CULVERT	N/A	
0.327	0.327	INTERSECTION	RIGHT	
0.380	0.380			ROUTE ENDS AT END OF PAVEMENT

# ***WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0410 : TOWER RESIDENCE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT TRINITY MOUNTAIN ROAD
0.007	0.007	INTERSECTION	RIGHT	TRINITY MOUNTAIN ROAD
0.028	0.046	BRIDGE	N/A	
0.029	0.047	GUARDRAIL	RIGHT	
0.029	0.048	GUARDRAIL	LEFT	
0.075	0.075	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.100	0.100	INTERSECTION	LEFT	
0.111	0.111	INTERSECTION	LEFT	
0.120	0.120	INTERSECTION	LEFT	
0.163	0.163	INTERSECTION	RIGHT	
0.329	0.329	INTERSECTION	RIGHT	NPS DIRT ROAD
0.410	0.410	INTERSECTION	LEFT	
0.425	0.425	INTERSECTION	LEFT	
0.430	0.430			ROUTE ENDS AT END AT GATE



# **WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0411 : BULL GULCH SERVICE ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 406
0.007	0.007	INTERSECTION	RIGHT	ROUTE 406
0.092	0.092	CULVERT	N/A	
0.190	0.190	CULVERT	N/A	
0.248	0.248	CULVERT	N/A	
0.320	0.320	INTERSECTION	LEFT	
0.366	0.366	INTERSECTION	LEFT	
0.371	0.371	CULVERT	N/A	
0.450	0.450			ROUTE ENDS AT END OF PAVEMENT

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0414 : GRIZZLY GULCH WATER TANK ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 407
0.018	0.018	INTERSECTION	LEFT	NPS GRAVEL ROAD
0.037	0.037	INTERSECTION	RIGHT	NPS GRAVEL ROAD
0.059	0.059	INTERSECTION	LEFT	ROUTE 940
0.060	0.060			ROUTE ENDS AT END
0.064	0.064	INTERSECTION	RIGHT	

**WHIS: ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 0415 : GOVERNMENT BOAT LAUCH LOOP**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000			ROUTE BEGINS AT ROUTE 400
0.007	0.007	INTERSECTION	LEFT	ROUTE 400
0.048	0.048	DROP INLET	RIGHT	
0.049	0.049	INTERSECTION	RIGHT	
0.056	0.077	CURB	RIGHT	
0.104	0.104	INTERSECTION	LEFT	ROUTE 400
0.110	0.110			ROUTE ENDS AT ROUTE 400

## APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

<b>TERM OR ABBREVIATION</b>	<b>DESCRIPTION OR DEFINITION</b>
8750	Numeric Code for Whiskeytown-Shasta-Trinity National Recreation Area
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)
Poor	Poor Rating with an index value of 60 or less

RCI	Roughness Condition Index
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total defined "season"
SCR	Surface Condition Rating (see Section 10)
Shoulder Condition Rating	Visual rating (Good, Poor) of the condition of shoulder. (see Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point
WHIS	Alpha Code for Whiskeytown-Shasta-Trinity National Recreation Area

## APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can occur anywhere in the lane.
- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.
- **Transverse Cracking** - cracks perpendicular to the pavement centerline.
- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.
- **Rutting** - surface depressions in the wheel paths.

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

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

### Rating Index Formulas

**Alligator Cracking Index** =  $100 - [40 * ( \%low/70 + \%medium/30 + \%high/10 )]$

**Longitudinal Cracking Index** =  $100 - [40 * ( \%low/350 + \%medium/200 + \%high/75 )]$

**Transverse Cracking Index** =  $100 - [(20 * ( low/15.1 + medium/7.5)) + (40 * (high/1.9))]$

**Patching Index** =  $100 - [40 * ( \%patching / 80 )]$

**Rutting Index:**  $100 - [40 * ((low/160) + (med/80) + (high/40))]$

**Roughness Condition Index: (RCI)** =  $32 * [5 * e^{(-0.0041 * \text{average IRI})}]$

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

**Surface Condition Rating (SCR)** =  $100 - [(100 - AC\_INDEX) + (100 - LC\_INDEX) + (100 - TC\_INDEX) + (100 - PATCH\_INDEX) + (100 - RUT\_INDEX)]$

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

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

## **Parking Lot and Manually Rated Road Condition Rating**

### **Surface Condition Distresses- Chip Seal:**

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

### **Ratings - Chip Seal:**

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

### **Surface Condition - Asphalt:**

- Cracking of any type
- Rutting
- Potholes/Patching

### **Ratings - Asphalt:**

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

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

Excellent	97
Good	90
Fair	73
Poor	45

### **Drainage Condition Rating Definitions**

- Good:** Minimal overall drainage problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.
- Poor:** Problems exist that jeopardizes the integrity of the road in this section. If funding were available for pavement maintenance, 50% to 100% is estimated to correct drainage deficiencies.

### **Drainage Condition Rating Criteria**

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

#### **Good Drainage**

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

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

#### **Poor Drainage**

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

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

### **Shoulder Condition Rating Definitions**

- Good:** The shoulder is generally in good functional condition. If curbs are present, they are functional.
- Poor:** There is no shoulder because erosion has removed it. If curbs are present, they need to be replaced.



### **Shoulder Rating Criteria**

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

#### **Good Shoulders**

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

#### **Poor Shoulder**

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

## **APPENDIX C: DIGITAL IMAGE INFORMATION**

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

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

## APPENDIX D: METADATA

### ARAN ROUTE GPS DATA

Background information of route spatial data.

**GPS Records:** GPS data for NPS routes is stored in the MS Access database for the park. The coordinates of the road traces are stored in the 'PMS\_20' table in the 'GPS\_LAT' and 'GPS\_LON' fields.

**Data Collection Device:**

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

**Accuracy:** Expected ground accuracy is 1 meter \*

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

**Geographic Datum:** WGS 1984

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

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

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

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

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

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

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

### Specific Caveats

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

space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS\_Visidata table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS\_20 and PMS\_Mile tables simply exclude all opposite routes.

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

### **Key to Notes in Tables**

(1): Note that only one value fits in field, so even if this value varies throughout the route, only one value is recorded here.

(2): Note that some MP values listed here are estimates recorded during the Route ID process for use by the data collection crew (e.g. "FROM ROUTE 0010 AT MILEPOST 30.3"). They are estimates only and are not expected to match the more accurate milepost values included elsewhere in the database in the BEG\_MP, END\_MP, and MP fields.

(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.

(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor. Features along the side of a roadway that are measured using the Surveyor software might not be located very accurately. Surveyor is known to be most accurate when measuring quantities near the center of the video frame, as opposed to in the edges of the video image.

(5): Only signs are evaluated for condition. No other features' conditions are assessed, so "N/A" was originally intended to be the default value for unassessed features. However, some non-sign features do have condition ratings in the database. These are not accurate, because no assessment was ever done on non-sign features.

(6): Condition assessments are not conducted on concrete (CO) surface types. Perfect values for concrete road sections are default values and do not represent a condition assessment of the concrete surfaces.

(7): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolution. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

## Access Database Metadata

### Master Table Metadata:

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

**PMS\_Feature Table Metadata:**

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

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

**PMS 20, PMS Mile & PMS Visidata Tables Metadata:**

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



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

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Manual Pavement Video Processing	Untested (6)
GPS_LAT	999.9999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.9999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	999999.9	Elevation	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_MODE	XXX	GPS mode during collection	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
VIDEO	<Par/>C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
LANEDEV_FLG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
FILENAME	XXXXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISL_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISL_TO	999999 (millimiles)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

### **Cycle 3 Shapefile Metadata**

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

All shapefiles have the following spatial characteristics:

*Geographic\_Coordinate\_Units*: Decimal degrees  
*Spheroid*: WGS 1984





# whis\_seg

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* whis\_seg

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Routes

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.678070

*East\_Bounding\_Coordinate:* -122.519653

*North\_Bounding\_Coordinate:* 40.671482

*South\_Bounding\_Coordinate:* 40.579449

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog  
8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 138

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000  
*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* whis\_seg

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* FNODE\_

*Attribute\_Definition:* Length of feature

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* TNODE\_

*Attribute:*

*Attribute\_Label:* LPOLY\_

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RPOLY\_

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* LENGTH

*Attribute\_Definition:*

Numeric PCR definition. Average PCR value based on programatic averaging of adjacent segments.

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 100

*Attribute:*

*Attribute\_Label:* WHIS\_SEG\_

*Attribute\_Definition:* Verbal PCR definition based on value in PCRAV field

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* POOR



*Enumerated\_Domain\_Value\_Definition:* PCR value <= 60  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* FAIR  
*Enumerated\_Domain\_Value\_Definition:* PCR value 61-84  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* GOOD  
*Enumerated\_Domain\_Value\_Definition:* PCR value 85-94  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* EXCELLENT  
*Enumerated\_Domain\_Value\_Definition:* PCR value 95-100

*Attribute:*

*Attribute\_Label:* WHIS\_SEG\_I  
*Attribute\_Definition:* Indicates whether feature has been edited for graphic purposes.  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 1  
*Enumerated\_Domain\_Value\_Definition:* Edit has been made to feature for graphic purposes  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 0  
*Enumerated\_Domain\_Value\_Definition:* No edit made to feature.

*Attribute:*

*Attribute\_Label:* ID

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute:*

*Attribute\_Label:* BMP

*Attribute:*

*Attribute\_Label:* EMP

*Attribute:*

*Attribute\_Label:* PCR

*Attribute:*

*Attribute\_Label:* PCR\_RATE

*Attribute:*

*Attribute\_Label:* RT\_LENGTH

*Attribute:*

*Attribute\_Label:* PCRMI

*Attribute:*

*Attribute\_Label:* PCR\_RATEMI

*Attribute:*

*Attribute\_Label:* PCR\_RATEAV

*Attribute:*

*Attribute\_Label:* PCRAV

*Attribute:*

*Attribute\_Label:* TSR\_EDIT

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*  
*Digital\_Transfer\_Information:*  
*Transfer\_Size:* 0.016

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*Metadata\_Reference\_Information:*  
*Metadata\_Date:* 20050926  
*Metadata\_Contact:*  
*Contact\_Information:*  
*Contact\_Organization\_Primary:*  
*Contact\_Organization:* EFLHD Sterling  
*Contact\_Person:* Dan VanGilder  
*Contact\_Position:* GIS Coordinator  
*Contact\_Address:*  
*Address\_Type:* mailing and physical address  
*City:* Sterling  
*State\_or\_Province:* Virginia  
*Postal\_Code:* 20166  
*Country:* United States  
*Contact\_Voice\_Telephone:* 703-404-6361  
*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov  
*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata  
*Metadata\_Standard\_Version:* FGDC-STD-001-1998  
*Metadata\_Time\_Convention:* local time  
*Metadata\_Extensions:*  
*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>  
*Profile\_Name:* ESRI Metadata Profile

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Generated by [mp](#) version 2.7.33 on Mon Sep 26 10:57:59 2005

# whis\_pkg\_03

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* whis\_pkg\_03

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Parking Areas

*Purpose:* Road Inventory Program

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 6/10/2003

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.634522

*East\_Bounding\_Coordinate:* -122.519818

*North\_Bounding\_Coordinate:* 40.663616

*South\_Bounding\_Coordinate:* 40.581077

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

#### *Point\_of\_Contact:*

##### *Contact\_Information:*

*Contact\_Person\_Primary:**Contact\_Person:* Dan VanGilder*Contact\_Organization:* EFLHD*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:**Attribute\_Accuracy:**Attribute\_Accuracy\_Report:* Good*Completeness\_Report:* Complete for parking areas*Lineage:**Source\_Information:**Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 40

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*Spatial\_Reference\_Information:**Horizontal\_Coordinate\_System\_Definition:**Geographic:**Latitude\_Resolution:* 0.000000*Longitude\_Resolution:* 0.000000*Geographic\_Coordinate\_Units:* Decimal degrees*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1927*Ellipsoid\_Name:* Clarke 1866*Semi-major\_Axis:* 6378206.400000*Denominator\_of\_Flattening\_Ratio:* 294.978698

*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* whis\_pkg\_03*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute\_Label:* Shape*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* PARK\_ALPHA*Attribute\_Definition:* Park alpha code*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NO*Attribute\_Definition:* Route number*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NAME*Attribute\_Definition:* Route name*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* FEATURE*Attribute:**Attribute\_Label:* SURF\_TYPE*Attribute\_Definition:* Surface type of route*Attribute\_Domain\_Values:**Attribute:**Attribute\_Label:* CONDITION*Attribute\_Definition:* Condition rating for route*Attribute:**Attribute\_Label:* PHOTOS*Attribute\_Definition:* Photo filename associated with feature*Attribute:**Attribute\_Label:* COMMENT*Attribute\_Definition:* Field comment*Attribute:**Attribute\_Label:* GPS\_DATE*Attribute\_Definition:* Date of GPS collection*Attribute:**Attribute\_Label:* DATAFILE*Attribute:**Attribute\_Label:* SQ\_FT

*Attribute\_Definition:* Feature area in square feet

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

---

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# whis\_pkg\_03\_map

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* whis\_pkg\_03\_map

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Copy of Parking Areas

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

This shapefile is a copy of the source parking shapefile. The features are edited as needed for graphic purposes.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 6/10/2003

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.634560

*East\_Bounding\_Coordinate:* -122.519818

*North\_Bounding\_Coordinate:* 40.663571

*South\_Bounding\_Coordinate:* 40.580974

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 40

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000



*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* whis\_pkg\_03\_map

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* PARK\_ALPHA

*Attribute\_Definition:* Park alpha code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NAME

*Attribute\_Definition:* Route name

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* FEATURE

*Attribute:*

*Attribute\_Label:* SURF\_TYPE

*Attribute\_Definition:* Surface type of route

*Attribute\_Domain\_Values:*

*Attribute:*

*Attribute\_Label:* CONDITION

*Attribute\_Definition:* Condition rating for route

*Attribute:*

*Attribute\_Label:* PHOTOS

*Attribute\_Definition:* Photo filename associated with feature

*Attribute:*

*Attribute\_Label:* COMMENT

*Attribute\_Definition:* Field comment

*Attribute:*

*Attribute\_Label:* GPS\_DATE

*Attribute\_Definition:* Date of GPS collection

*Attribute:**Attribute\_Label:* DATAFILE*Attribute:**Attribute\_Label:* SQ\_FT*Attribute\_Definition:* Feature area in square feet

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*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20050926*Metadata\_Contact:**Contact\_Information:**Contact\_Organization\_Primary:**Contact\_Organization:* EFLHD Sterling*Contact\_Person:* Dan VanGilder*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata\_Standard\_Version:* FGDC-STD-001-1998*Metadata\_Time\_Convention:* local time*Metadata\_Extensions:**Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile\_Name:* ESRI Metadata Profile

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# whis\_nonnps

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* whis\_nonnps

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* non-NPS roads

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.637248

*East\_Bounding\_Coordinate:* -122.630235

*North\_Bounding\_Coordinate:* 40.665760

*South\_Bounding\_Coordinate:* 40.662876

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog  
8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for non-NPS roads

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* Heads-up digitized

*Process\_Step:*

*Process\_Description:* Metadata imported.

*Source\_Used\_Citation\_Abbreviation:*

J:\FHWA\_RoadInvProg\Data\Park\_TSR\_source\Template\_Folders\Section\_10  
\template\_nonnps\_03.xml

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 1

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

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*Geographic\_Coordinate\_Units*: Decimal degrees  
*Geodetic\_Model*:  
*Horizontal\_Datum\_Name*: North American Datum of 1927  
*Ellipsoid\_Name*: Clarke 1866  
*Semi-major\_Axis*: 6378206.400000  
*Denominator\_of\_Flattening\_Ratio*: 294.978698

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*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: whis\_nonnps

*Attribute*:

*Attribute\_Label*: FID

*Attribute\_Definition*: Internal feature number.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*:

Sequential unique whole numbers that are automatically generated.

*Attribute*:

*Attribute\_Label*: Shape

*Attribute\_Definition*: Feature geometry.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*: Coordinates defining the features.

*Attribute*:

*Attribute\_Label*: Id

*Attribute\_Definition*: Name of road if available

*Attribute*:

*Attribute\_Label*: NAME

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*Distribution\_Information*:

*Resource\_Description*: Downloadable Data

*Standard\_Order\_Process*:

*Digital\_Form*:

*Digital\_Transfer\_Information*:

*Transfer\_Size*: 0.008

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*Metadata\_Reference\_Information*:

*Metadata\_Date*: 20050926

*Metadata\_Contact*:

*Contact\_Information*:

*Contact\_Organization\_Primary*:

*Contact\_Organization*: EFLHD Sterling

*Contact\_Person*: Dan VanGilder

*Contact\_Position*: GIS Coordinator

*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata\_Standard\_Version:* FGDC-STD-001-1998*Metadata\_Time\_Convention:* local time*Metadata\_Extensions:**Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile\_Name:* ESRI Metadata Profile

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# whis\_mi\_pt

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* whis\_mi\_pt

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Mile Points

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. All attributes found in the PMS\_20 table are found on the miles points.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* Not Available

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.671555

*East\_Bounding\_Coordinate:* -122.519653

*North\_Bounding\_Coordinate:* 40.669426

*South\_Bounding\_Coordinate:* 40.580135

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD Sterling

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for mile points

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Entity point

*Point\_and\_Vector\_Object\_Count:* 42

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000



*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* whis\_mi\_pt

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* RIP\_CYCLE

*Attribute\_Definition:* 3, for data collection cycle 3

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* STATE

*Attribute\_Definition:* State where route is located

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* PARK\_ALPHA

*Attribute\_Definition:* Park alpha code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* PARK\_NO

*Attribute\_Definition:* Park numeric code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* FUNCT\_CLAS

*Attribute\_Definition:* Route functional class

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* DIRECTION

*Attribute\_Definition:* Survey lane: PRI (primary) or OPP (opposite)

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* BEG\_MP

*Attribute\_Definition:* MP at end of road interval described by database record

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* END\_MP

*Attribute\_Definition:* MP at end of road interval described by database record

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* INT\_LENGTH

*Attribute\_Definition:* Length of road interval as aggregated from data table

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RTE\_LENGTH

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* NO\_LANES

*Attribute\_Definition:* Number of lanes in route

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* LANE\_NO

*Attribute\_Definition:* Data collection lane

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* WX\_LANE\_WI

*Attribute\_Definition:* WiseCrax (crack detection software) analysis width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* LANE\_WIDTH

*Attribute\_Definition:* Width of lane

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* PAVE\_WIDTH

*Attribute\_Definition:* Full pavement width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_WIDTH

*Attribute\_Definition:* Left shoulder width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_WID\_1

*Attribute\_Definition:* Right shoulder width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_COND\_

*Attribute\_Definition:* Left shoulder condition

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SHLD\_COND1

*Attribute\_Definition:* Right shoulder condition

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* DRAIN\_COND  
*Attribute\_Definition:* Left drainage condition  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* DRAIN\_CO\_1  
*Attribute\_Definition:* Right drainage condition  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SURF\_TYPE  
*Attribute\_Definition:* Surface type of route  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* PCR  
*Attribute\_Definition:* Pavement Condition Rating  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RCI  
*Attribute\_Definition:* Roughness Condition Index; -1 if invalid IRI  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SCR  
*Attribute\_Definition:* Surface Condition Rating  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_AVG  
*Attribute\_Definition:* Average IRI  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_SD  
*Attribute\_Definition:* IRI Standard Deviation  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_L  
*Attribute\_Definition:* Left wheel path IRI  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* IRI\_R  
*Attribute\_Definition:* Right wheel path IRI  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* IRI\_FLAG  
*Attribute\_Definition:* -1 if invalid IRI data  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RUT\_INDEX  
*Attribute\_Definition:* Rut index  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RUT\_AVG  
*Attribute\_Definition:* Average rut depth of both wheelpaths  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:**Attribute\_Label:* RUT\_MAX*Attribute\_Definition:* Maximum rut depth of both wheelpaths*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_SD*Attribute\_Definition:* Rut depth standard deviation*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_LOW*Attribute\_Definition:*

Percent of low severity ruts (on a 0-200% scale) in both wheelpaths

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_MED*Attribute\_Definition:*

Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_HI*Attribute\_Definition:*

Percent of high severity ruts (on a 0-200% scale) in both wheelpaths

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* XFALL*Attribute\_Definition:* Cross fall at start of road interval*Attribute\_Definition\_Source:* ARAN Data Collection*Attribute:**Attribute\_Label:* GRADE*Attribute\_Definition:* Grade at start of road interval*Attribute\_Definition\_Source:* ARAN Data Collection*Attribute:**Attribute\_Label:* AC\_INDEX*Attribute\_Definition:* Alligator cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_LOW*Attribute\_Definition:*

Percent of WiseCrax measured lane area with low-severity alligator cracking

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_MED*Attribute\_Definition:*

Percent of WiseCrax measured lane area with medium-severity alligator cracking

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_HI*Attribute\_Definition:*

Percent of WiseCrax measured lane area with high-severity alligator cracking

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:**Attribute\_Label:* LC\_INDEX*Attribute\_Definition:* Longitudinal cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_LOW*Attribute\_Definition:*

Low-severity longitudinal cracking in lane as a percentage of road interval length

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_MED*Attribute\_Definition:*

Medium-severity longitudinal cracking in lane as a percentage of road interval length

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_HI*Attribute\_Definition:*

High-severity longitudinal cracking in lane as a percentage of road interval length

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_INDEX*Attribute\_Definition:* Transverse cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_LOW*Attribute\_Definition:*

Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_MED*Attribute\_Definition:*

Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_HI*Attribute\_Definition:*

Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* PATCH\_INDE*Attribute\_Definition:* Patching index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* PATCHING*Attribute\_Definition:* Percent of WiseCrax measured lane area affected by patching

*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: GPS\_LAT  
*Attribute\_Definition*: Latitude coordinate  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_LON  
*Attribute\_Definition*: Longitude coordinate  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_ELEV  
*Attribute\_Definition*: Elevation  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_MODE  
*Attribute\_Definition*: GPS mode during collection  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: VIDEO  
*Attribute\_Definition*: Removable USB video hard drive number  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: IMAGE  
*Attribute\_Definition*: Filename of .jpg image showing road interval  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: SPEED  
*Attribute\_Definition*: Average ARAN speed during data collection  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: BRIDGE\_FL  
*Attribute\_Definition*: Flag indicating presence of bridge in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: CONSTR\_FL  
*Attribute\_Definition*: Flag indicating construction in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: LANEDEV\_FL  
*Attribute\_Definition*: Flag indicating lane deviation in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: DATE  
*Attribute\_Definition*: Data collection date  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: NODISTRESS  
*Attribute\_Definition*: Flag indicating absence of pavement distress  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: FILENAME

*Attribute\_Definition:* Filename of raw data files  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SECTION  
*Attribute\_Definition:* route section ID  
*Attribute\_Definition\_Source:* Route ID Meeting / ARAN Data Collection

*Attribute:*

*Attribute\_Label:* FKEY  
*Attribute\_Definition:* Unique record ID  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* VISI\_FROM  
*Attribute\_Definition:* Raw MP of first video frame in section  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* VISI\_TO  
*Attribute\_Definition:* Raw MP of last video frame in section  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IDKEY  
*Attribute\_Definition:* Unique record ID used by VisiData  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* MP\_REF  
*Attribute\_Definition:* Range of mileage to play in VisiData  
*Attribute\_Definition\_Source:* Contractor Post-processing

---

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.030

---

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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# whis\_mi

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* whis\_mi

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Routes

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating provided in the PMS\_mile table.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -122.678070

*East\_Bounding\_Coordinate:* -122.519653

*North\_Bounding\_Coordinate:* 40.671482

*South\_Bounding\_Coordinate:* 40.579449

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* WHIS

*Theme\_Keyword:* WHIS

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog  
8.3.0.800

---

*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 36

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis*: 6378206.400000  
*Denominator\_of\_Flattening\_Ratio*: 294.978698

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*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: whis\_mi

*Attribute*:

*Attribute\_Label*: FID

*Attribute\_Definition*: Internal feature number.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*:

Sequential unique whole numbers that are automatically generated.

*Attribute*:

*Attribute\_Label*: Shape

*Attribute\_Definition*: Feature geometry.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*: Coordinates defining the features.

*Attribute*:

*Attribute\_Label*: FNODE\_

*Attribute\_Definition*: Length of feature

*Attribute\_Definition\_Source*: ESRI

*Attribute*:

*Attribute\_Label*: TNODE\_

*Attribute*:

*Attribute\_Label*: LPOLY\_

*Attribute\_Definition*: Route number

*Attribute\_Definition\_Source*: Route ID Meeting

*Attribute*:

*Attribute\_Label*: RPOLY\_

*Attribute\_Definition*: Collected route length

*Attribute\_Definition\_Source*: ARAN Data Collection

*Attribute*:

*Attribute\_Label*: LENGTH

*Attribute\_Definition*: Numeric PCR definition

*Attribute\_Domain\_Values*:

*Range\_Domain*:

*Range\_Domain\_Minimum*: 0

*Range\_Domain\_Maximum*: 100

*Attribute*:

*Attribute\_Label*: WHIS\_MI\_

*Attribute\_Definition*: Verbal PCR definition

*Attribute\_Domain\_Values*:

*Enumerated\_Domain*:

*Enumerated\_Domain\_Value*: POOR

*Enumerated\_Domain\_Value\_Definition*: PCR value <= 60

*Enumerated\_Domain*:

*Enumerated\_Domain\_Value:* FAIR

*Enumerated\_Domain\_Value\_Definition:* PCR value 61-84

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* GOOD

*Enumerated\_Domain\_Value\_Definition:* PCR value 85-94

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* EXCELLENT

*Enumerated\_Domain\_Value\_Definition:* PCR value 95-100

*Attribute:*

*Attribute\_Label:* WHIS\_MI\_ID

*Attribute\_Definition:* Indicates whether feature has been edited for graphic purposes.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 1

*Enumerated\_Domain\_Value\_Definition:* Edit has been made to feature for graphic purposes

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 0

*Enumerated\_Domain\_Value\_Definition:* No edit made to feature.

*Attribute:*

*Attribute\_Label:* ID

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute:*

*Attribute\_Label:* BMP

*Attribute:*

*Attribute\_Label:* EMP

*Attribute:*

*Attribute\_Label:* PCR

*Attribute:*

*Attribute\_Label:* PCR\_RATE

*Attribute:*

*Attribute\_Label:* RT\_LENGTH

*Attribute:*

*Attribute\_Label:* PCRMI

*Attribute:*

*Attribute\_Label:* PCR\_RATEMI

*Attribute:*

*Attribute\_Label:* PCR\_RATEAV

*Attribute:*

*Attribute\_Label:* PCRAV

*Attribute:*

*Attribute\_Label:* TSR\_EDIT

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size: 0.016*

---

*Metadata\_Reference\_Information:*

*Metadata\_Date: 20050926*

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization: EFLHD Sterling*

*Contact\_Person: Dan VanGilder*

*Contact\_Position: GIS Coordinator*

*Contact\_Address:*

*Address\_Type: mailing and physical address*

*City: Sterling*

*State\_or\_Province: Virginia*

*Postal\_Code: 20166*

*Country: United States*

*Contact\_Voice\_Telephone: 703-404-6361*

*Contact\_Electronic\_Mail\_Address: dvangilder@fhwa.dot.gov*

*Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial Metadata*

*Metadata\_Standard\_Version: FGDC-STD-001-1998*

*Metadata\_Time\_Convention: local time*

*Metadata\_Extensions:*

*Online\_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>*

*Profile\_Name: ESRI Metadata Profile*

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