

SUPPORTING DOCUMENTATION

**CATAWBA-WATEREE RELICENSING
RECREATION USE AND NEEDS STUDY**

Catwaba-Wataree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.1a Summary of Onsite Data Collection - Public Area Visitors (Survey A) and Spot Counts

Lake/River Reach	Public Recreation Area	Public Area Visitors (Survey A)			No. of Spot Counts		
		Non-Rec Season	Rec Season	Total	Non-Rec Season	Rec Season	Total
Lake James	Black Bear AA	9	68	77	10	23	33
	Lake James State Park	11	9	20	8	23	31
	Hidden Cove AA	4	6	10	9	22	31
	Canal Bridge AA	7	18	25	9	24	33
	Linville AA	2	20	22	9	21	30
	SubTotal	33	121	154	45	113	158
Bridgewater Regulated River Reach	Bridgewater AA	4	8	12	11	39	50
	Watermill Road	2	4	6	9	22	31
	Morganton Greenway - Greenlee Ford	9	7	16	6	23	29
	Morganton Greenway - River Village	5	5	10	7	24	31
	SubTotal	20	24	44	33	108	141
Lake Rhodhiss	Johns River AA	3	4	7	11	23	34
	Huffman Bridge AA	2	9	11	11	25	36
	Castle Bridge AA	12	78	90	10	23	33
	Sawmills Park AA	7	18	25	14	24	38
	Rhodhiss AA	5	24	29	11	25	36
	Rhodhiss Canoe Portage	0	0	0	3	20	23
	SubTotal	29	133	162	60	140	200
Lake Hickory	Bud Geitner Park	8	17	25	8	31	39
	Glenn C. Hilton Park	6	12	18	7	27	34
	Gunpowder AA	7	9	16	11	25	36
	Lovelady AA	14	35	49	12	27	39
	Wittenburg AA	21	74	95	12	27	39
	Dusty Ridge AA	6	12	18	12	28	40
	Oxford AA	13	40	53	14	28	42
	Oxford Canoe Portage	7	11	18	14	29	43
	SubTotal	82	210	292	90	222	312
Oxford Regulated River Reach	Riverbend Park	11	7	18	9	26	35
	SubTotal	11	7	18	9	26	35
Lookout Shoals Lake	Sharon AA	5	12	17	13	18	31
	Lookout Shoals AA	6	26	32	13	19	32
	SubTotal	11	38	49	26	37	63
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	2	6	8	8	17	25
	SubTotal	2	6	8	8	17	25

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Table SD.1a Summary of Onsite Data Collection - Public Area Visitors (Survey A) and Spot Counts

Lake/River Reach	Public Recreation Area	Public Area Visitors (Survey A)			No. of Spot Counts		
		Non-Rec Season	Rec Season	Total	Non-Rec Season	Rec Season	Total
Lake Norman	Hunsucker Park	1	7	8	8	17	25
	Long Island AA	8	22	30	14	23	37
	Lake Norman State Park	16	53	69	10	20	30
	Stumpy Creek AA	11	29	40	17	24	41
	Pinnacle AA	9	40	49	15	29	44
	McCrary Creek AA	10	26	36	15	29	44
	Marshall Fishing Area	7	11	18	15	25	40
	Hager Creek AA	7	15	22	15	26	41
	Little Creek AA	6	27	33	13	27	40
	Roosevelt Wilson Park	5	15	20	7	18	25
	Beatty's Ford AA	12	28	40	15	28	43
	Jetton Road County Park	13	50	63	11	22	33
	Ramsey Creek AA	10	37	47	12	23	35
	Blythe Landing County Park	8	39	47	12	25	37
	McGuire Fishing Area	9	24	33	12	28	40
SubTotal	132	423	555	191	364	555	
Mountain Island Lake	Cowans Ford Wildlife Refuge	2	5	7	12	28	40
	Rural Hill Park	0	0	0	8	20	28
	Neck Road AA	7	31	38	12	31	43
	Latta Plantation County Park	15	64	79	9	22	31
	Riverbend AA	8	44	52	17	35	52
	SubTotal	32	144	176	58	136	194
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	10	29	39	16	30	46
	Mount Holly River Street Park	2	10	12	15	33	48
	Allen Fishing Area	9	18	27	14	25	39
	South Point AA	17	53	70	15	27	42
	Copperhead AA	12	37	49	12	33	45
	Buster Boyd AA	24	70	94	15	35	50
	McDowell Park	14	41	55	7	30	37
	Allison Creek AA	11	67	78	12	33	45
	Ebenezer Park AA	10	76	86	14	32	46
	Nivens Creek AA	8	53	61	13	35	48
SubTotal	117	454	571	133	313	446	

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Table SD.1a Summary of Onsite Data Collection - Public Area Visitors (Survey A) and Spot Counts

Lake/River Reach	Public Recreation Area	Public Area Visitors (Survey A)			No. of Spot Counts		
		Non-Rec Season	Rec Season	Total	Non-Rec Season	Rec Season	Total
Wylie Regulated River Reach	Fort Mill AA	6	27	33	14	38	52
	Rock Hill River Park	9	35	44	11	33	44
	Landsford Canal State Park	9	33	42	8	18	26
	SubTotal	24	95	119	33	89	122
Fishing Creek Reservoir	Highway 9 Landing	4	18	22	12	24	36
	Cane Creek AA	2	16	18	10	24	34
	Fishing Creek AA	9	16	25	13	22	35
	SubTotal	15	50	65	35	70	105
Cedar Creek Reservoir	Stumpy Pond AA	3	8	11	10	22	32
	Debutary Creek AA	5	11	16	10	23	33
	SubTotal	8	19	27	20	45	65
Lake Wateree	Cedar Creek AA	5	31	36	11	24	35
	Wateree Creek Bridge	2	0	2	10	22	32
	Wateree Creek AA	4	7	11	11	23	34
	Taylor's Creek AA	9	16	25	11	23	34
	Taylor's Creek Bridge	0	1	1	9	23	32
	Lake Wateree State Park	11	24	35	10	21	31
	Dutchman's Creek Bridge	4	4	8	10	22	32
	June Creek AA	7	29	36	11	23	34
	Beaver Creek Landing	4	17	21	10	26	36
	Colonel's Creek Bridge	4	4	8	11	22	33
	Colonel's Creek AA	6	14	20	10	22	32
	White Oak Creek AA	11	32	43	10	24	34
	Buck Hill AA	6	25	31	12	22	34
	SubTotal	73	204	277	136	297	433
Wateree Regulated River Reach	Lugoff AA	14	44	58	12	22	34
	Highway 1 Landing	4	17	21	10	19	29
	Billy Tolar Landing	0	2	2	1	3	4
	SubTotal	18	63	81	23	44	67
Project Study Area Total		607	1991	2598	900	2021	2921

Note: Non-Rec Season = January 1 - March 31 and October 1 - December 31
 Rec Season = April 1 - September 30

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Table SD.1b Survey Response Rate - Shoreline Residents (Survey B)

Shoreline Residents (Survey B)							
Lake/River Reach	No. of Shoreline Permits (Duke Database)	No. of Surveys Mailed	No. of Surveys Returned Undeliverable	No. of Surveys Returned Completed	Percent of Surveys Returned Completed ¹	Proportion of Surveys Returned Completed by Lake	Target Proportion of Surveys by Lake ²
Lake James	574	102	21	40	49.4%	4.6%	3.8%
Bridgewater Regulated River Reach	0	-	-	-	-	-	-
Lake Rhodhiss	40	7	1	3	50.0%	0.3%	0.3%
Lake Hickory	1366	281	107	85	48.9%	9.7%	8.9%
Oxford Regulated River Reach	0	-	-	-	-	-	-
Lookout Shoals Lake	205	43	22	9	42.9%	1.0%	1.3%
Lookout Shoals Regulated River Reach	0	-	-	-	-	-	-
Lake Norman	8023	1641	630	417	41.2%	47.5%	52.5%
Mountain Island Lake	319	55	15	15	37.5%	1.7%	2.1%
Lake Wylie	2745	490	121	168	45.5%	19.1%	18.0%
Wylie Regulated River Reach	0	-	-	-	-	-	-
Fishing Creek Reservoir	87	15	3	6	50.0%	0.7%	0.6%
Great Falls - Dearborn Reservoir	0	-	-	-	-	-	-
Cedar Creek Reservoir	13	2	0	1	50.0%	0.1%	0.1%
Lake Wateree	1906	364	123	134	55.6%	15.3%	12.5%
Wateree Regulated River Reach	0	-	-	-	-	-	-
Total	15278	3000	1043	878	44.9%	100.0%	100.0%

Notes: ¹ Surveys returned undeliverable are factored out of this equation i.e. % Returned = No. Returned Completed/(Mailed - Undeliverable)

² Target proportion is based upon the total number of shoreline residents at each lake as compared to the total number of shoreline residents for the entire Catawba-Wateree Project. Data was obtained from Duke Power's Shoreline Permit Database

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Table SD.1c Survey Response Rate - Backlot Residents (Survey B)

Backlot Residents (Survey B)							
Lake/River Reach	No. Backlot Residents	No. of Surveys Mailed	No. of Surveys Returned Undeliverable	No. of Surveys Returned Completed	Percent of Surveys Returned Completed ¹	Proportion of Surveys Returned Completed by Lake	Target Proportion of Surveys by Lake ²
Lake James	61	61	4	34	59.6%	6.0%	4.9%
Bridgewater Regulated River Reach	0	-	-	-	-	-	-
Lake Rhodhiss	0	-	-	-	-	-	-
Lake Hickory	44	44	1	20	46.5%	3.5%	3.6%
Oxford Regulated River Reach	0	-	-	-	-	-	-
Lookout Shoals Lake	0	-	-	-	-	-	-
Lookout Shoals Regulated River Reach	0	-	-	-	-	-	-
Lake Norman	867	867	19	322	38.0%	56.5%	51.1%
Mountain Island Lake	490	490	116	181	48.4%	31.8%	39.6%
Lake Wylie	32	32	1	13	41.9%	2.3%	0.8%
Wylie Regulated River Reach	0	-	-	-	-	-	-
Fishing Creek Reservoir	0	-	-	-	-	-	-
Great Falls - Dearborn Reservoir	0	-	-	-	-	-	-
Cedar Creek Reservoir	0	-	-	-	-	-	-
Lake Wateree	0	-	-	-	-	-	-
Wateree Regulated River Reach	0	-	-	-	-	-	-
Total	1494	1494	141	570	42.1%	100.0%	100.0%

Notes: ¹ Surveys returned undeliverable are factored out of this equation i.e. % Returned = No. Returned Completed/(Mailed - Undeliverable)

² Target proportion is based upon housing and condominium residential community databases for those communities with common boating facilities

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Table SD.1d Survey Response Rate - Potential Visitors (Survey C)

Potential Visitors (Survey C)								
County	State	Est. 2002 Population ¹	No. of Surveys Mailed	No. of Surveys Returned Undeliverable	No. of Surveys Returned Completed	Percent of Surveys Returned Completed ²	Proportion of Surveys Returned Completed by Lake	Target Proportion of Surveys by Lake ³
Alexander	NC	32,202	68	10	9	15.5%	1.4%	1.8%
Burke	NC	89,036	195	60	34	25.2%	5.3%	4.8%
Caldwell	NC	78,240	155	16	16	11.5%	2.5%	4.2%
Catawba	NC	146,098	299	40	71	27.4%	11.1%	7.9%
Gaston	NC	191,372	382	42	53	15.6%	8.3%	10.3%
Iredell	NC	130,375	259	31	45	19.7%	7.0%	7.0%
Lincoln	NC	66,291	130	8	25	20.5%	3.9%	3.6%
McDowell	NC	42,856	98	44	14	25.9%	2.2%	2.3%
Mecklenburg	NC	731,884	1467	204	252	20.0%	39.4%	39.4%
Chester	SC	34,212	70	8	14	22.6%	2.2%	1.8%
Fairfield	SC	24,003	52	15	8	21.6%	1.3%	1.3%
Kershaw	SC	53,630	108	10	13	13.3%	2.0%	2.9%
Lancaster	SC	62,220	119	13	15	14.2%	2.3%	3.3%
York	SC	173,755	347	37	71	22.9%	11.1%	9.4%
Total		1,856,174	3749	538	640	19.9%	100.0%	100.0%

Notes: ¹ Sources for 2002 population data NC: <http://demog.state.nc.us/> SC: <http://www.ors2state.sc.us/population/pop2002.asp>

² Surveys returned undeliverable are factored out of this equation i.e. % Returned = No. Returned Completed/(Mailed - Undeliverable)

³ Target proportion is based upon North Carolina and South Carolina state residential databases

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Table SD.1e Survey Response Rate - Marina Operators (Survey D) and Stakeholders (Survey E)

Marina Operators (Survey D)				
Lake/River Reach	No. of Surveys Mailed¹	No. of Surveys Returned Undeliverable	No. of Surveys Returned Completed	Percent of Surveys Returned Completed²
Lake James	2	0	1	50.0%
Bridgewater Regulated River Reach	0	0	-	NA
Lake Rhodhiss	0	0	-	NA
Lake Hickory	2	0	2	100.0%
Oxford Regulated River Reach	0	0	-	NA
Lookout Shoals Lake	0	0	-	NA
Lookout Shoals Regulated River Reach	0	0	-	NA
Lake Norman	16	0	12	75.0%
Mountain Island Lake	0	0	0	NA
Lake Wylie	9	0	7	77.8%
Wylie Regulated River Reach	0	0	-	NA
Fishing Creek Reservoir	0	0	-	NA
Great Falls - Dearborn Reservoir	0	0	-	NA
Cedar Creek Reservoir	0	0	-	NA
Lake Wateree	5	0	2	40.0%
Wateree Regulated River Reach	0	0	-	NA
Total	34	0	24	70.6%
Stakeholders (Survey E)				
All Lakes	270	0	120	44.4%

Notes: ¹ List of marina operators provided by Duke Power.

² Surveys returned undeliverable are factored out of this equation i.e. % Returned = No. Returned Completed/(Mailed - Undeliverable)

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Table SD.2 Demographics (Public Area Visitors, Shoreline Residents, Potential Visitors)

Public Area Visitors (Survey A)								
Race	Count	Percent	Gender	Count	Percent	Avg. Age (yrs)		
White	2,048	78.9	Female	728	28.0	43.7		
African American	385	14.8	Male	1,870	72.0	44.9		
Hispanic or Latino	120	4.6	Total	2,598	100.0	44.6		
Asian	43	1.7						
American Indian and Alaska Native	1	0.0						
Native Hawaiian and Pacific Islanders	0	0.0						
Other	0	0.0						
Shoreline Residents (Survey B)								
Race	Count	Percent	Age	Count	Percent	Income	Count	Percent
White	1,288	97.8	15-19 yrs	0	0.0	<\$10,000	7	0.6
African American	9	0.7	20-24 yrs	1	0.1	\$10,000 - \$19,999	14	1.2
Hispanic or Latino	2	0.2	25-34 yrs	66	4.7	\$20,000 - \$29,999	30	2.6
Asian	9	0.7	35-44 yrs	286	20.2	\$30,000 - \$49,999	97	8.5
American Indian and Alaska Native	1	0.1	45-54 yrs	377	26.7	\$50,000 - \$74,999	169	14.9
Native Hawaiian and Pacific Islanders	2	0.2	55-59 yrs	217	15.3	\$75,000 - \$99,999	190	16.7
Other	6	0.5	60-64 yrs	167	11.8	\$100,000 and over	628	55.3
			65-74 yrs	211	14.9			
			75-84 yrs	77	5.4			
			85 yrs and over	12	0.8			
Potential Visitors (Survey C)								
Race	Count	Percent	Age	Count	Percent	Income	Count	Percent
White	507	90.9	15-19 yrs	2	0.3	<\$10,000	17	3.6
African American	36	6.5	20-24 yrs	5	0.8	\$10,000 - \$19,999	12	2.5
Hispanic or Latino	4	0.7	25-34 yrs	70	11.6	\$20,000 - \$29,999	48	10.0
Asian	5	0.9	35-44 yrs	128	21.2	\$30,000 - \$49,999	124	25.9
American Indian and Alaska Native	2	0.4	45-54 yrs	127	21.0	\$50,000 - \$74,999	121	25.3
Native Hawaiian and Pacific Islanders	0	0.0	55-59 yrs	73	12.1	\$75,000 - \$99,999	69	14.4
Other	4	0.7	60-64 yrs	54	8.9	\$100,000 and over	87	18.2
			65-74 yrs	84	13.9			
			75-84 yrs	50	8.3			
			85 yrs and over	11	1.8			

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Table SD.2 Demographics (Public Area Visitors, Shoreline Residents, Potential Visitors)

North Carolina State Demographics ¹								
Race	Count	Percent	Age	Count	Percent	Income	Count	Percent
White	5,647,155	70.2	15-19 yrs	539,931	8.4	<\$10,000	328,770	10.5
African American	1,723,301	21.4	20-24 yrs	577,508	9.0	\$10,000 - \$19,999	410,315	13.1
Hispanic or Latino	378,963	4.7	25-34 yrs	1,213,415	19.0	\$20,000 - \$29,999	443,665	14.2
Asian	112,416	1.4	35-44 yrs	1,287,120	20.1	\$30,000 - \$49,999	767,860	24.5
American Indian and Alaska Native	95,333	1.2	45-54 yrs	1,085,150	17.0	\$50,000 - \$74,999	608,777	19.4
Native Hawaiian and Pacific Islanders	3,165	0.0	55-59 yrs	400,207	6.3	\$75,000 - \$99,999	279,020	8.9
Other	88,980	1.1	60-64 yrs	323,505	5.1	\$100,000 and over	294,875	9.4
			65-74 yrs	533,777	8.3			
			75-84 yrs	329,810	5.2			
			85 yrs and over	105,461	1.6			
South Carolina State Demographics ²								
Race	Count	Percent	Age	Count	Percent	Income	Count	Percent
White	2,695,560	65.6	15-19 yrs	295,377	9.3	<\$10,000	76,639	7.1
African American	1,185,216	28.9	20-24 yrs	281,714	8.9	\$10,000 - \$19,999	119,963	11.1
Hispanic or Latino	95,076	2.3	25-34 yrs	560,831	17.7	\$20,000 - \$29,999	142,229	13.2
Asian	36,014	0.9	35-44 yrs	625,124	19.7	\$30,000 - \$49,999	272,956	25.3
American Indian and Alaska Native	13,718	0.3	45-54 yrs	550,321	17.4	\$50,000 - \$74,999	241,243	22.4
Native Hawaiian and Pacific Islanders	1,628	0.0	55-59 yrs	206,762	6.5	\$75,000 - \$99,999	114,775	10.6
Other	79,876	1.9	60-64 yrs	166,149	5.2	\$100,000 and over	110,931	10.3
			65-74 yrs	270,048	8.5			
			75-84 yrs	165,016	5.2			
			85 yrs and over	50,269	1.6			
North & South Carolina State Demographics Combined								
Race	Count	Percent	Age	Count	Percent	Income	Count	Percent
White	8,342,715	69.0	15-19 yrs	835,308	8.7	<\$10,000	405,409	9.6
African American	2,402,158	19.9	20-24 yrs	859,222	9.0	\$10,000 - \$19,999	530,278	12.6
Hispanic or Latino	678,857	5.6	25-34 yrs	1,774,246	18.5	\$20,000 - \$29,999	585,894	13.9
Asian	299,894	2.5	35-44 yrs	1,912,244	20.0	\$30,000 - \$49,999	1,040,816	24.7
American Indian and Alaska Native	187,478	1.6	45-54 yrs	1,635,471	17.1	\$50,000 - \$74,999	850,020	20.2
Native Hawaiian and Pacific Islanders	92,145	0.8	55-59 yrs	606,969	6.3	\$75,000 - \$99,999	393,795	9.3
Other	88,980	0.7	60-64 yrs	489,654	5.1	\$100,000 and over	405,806	9.6
			65-74 yrs	803,825	8.4			
			75-84 yrs	494,826	5.2			
			85 yrs and over	155,730	1.6			

1 <http://demog.state.nc.us>
 2 <http://www.ors2.state.sc.us>

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Table SD.3a Spot Count Parking Capacity Analysis - Weekday

Lake/River Reach	Public Recreation Area	Number of Parking Spaces	Recreation Season Non Holiday Weekday Analysis						
			Number of Spot Counts Conducted	Mean # of Cars Counted	Mean % of Capacity	Maximum # of Cars counted	# of Weekend Days the # of Cars > the # of Parking Spaces	Percentage of time the Site was recorded over capacity	Number days the site would be expected to be over capacity
Lake James	Black Bear AA	171	13	14	8%	29	0		
	Lake James State Park	0	13	24	n/a	77	0		
	Hidden Cove AA	47	13	2	5%	7	0		
	Canal Bridge AA	95	14	14	14%	54	0		
	Linville AA	62	12	13	21%	30	0		
Bridgewater Regulated River Reach	Bridgewater AA	24	24	3	14%	33	0		
	Watermill Road	14	13	1	5%	3	0		
	Morganton Greenway - Greenlee Ford	0	8	14	n/a	26	0		
	Morganton Greenway - River Village	0	9	0	n/a	4	0		
Lake Rhodhiss	Johns River AA	30	8	3	11%	8	0		
	Huffman Bridge AA	20	10	1	4%	2	0		
	Castle Bridge AA	155	9	15	10%	27	0		
	Sawmills Park AA	72	11	5	7%	11	0		
	Rhodhiss AA	104	9	6	6%	20	0		
	Rhodhiss Canoe Portage	0	8	0	n/a	0	0		
Lake Hickory	Bud Geitner Park	0	16	9	n/a	44	0		
	Glenn C. Hilton Park	0	15	14	n/a	27	0		
	Gunpowder AA	60	15	3	5%	7	0		
	Lovelady AA	49	15	9	18%	22	0		
	Wittenburg AA	206	15	17	8%	79	0		
	Dusty Ridge AA	117	15	2	2%	5	0		
	Oxford AA	125	16	6	5%	28	0		
	Oxford Canoe Portage	20	16	3	17%	10	0		
Oxford Regulated River Reach	Riverbend Park	0	14	2	n/a	8	0		
Lookout Shoals Lake	Sharon AA	29	8	2	6%	4	0		
	Lookout Shoals AA	56	9	7	12%	14	0		
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area		7	1	3%	2	0		
Lake Norman	Hunsucker Park	20	7	1	2%	3	0		
	Long Island AA	50	10	6	n/a	12	0		
	Lake Norman State Park	0	9	13	8%	21	0		
	Stumpy Creek AA	157	11	5	3%	10	0		
	Pinnacle AA	146	19	11	11%	23	0		
	McCrary Creek AA	103	19	6	15%	14	0		
	Marshall Fishing Area	38	16	2	2%	7	0		
	Hager Creek AA	125	14	3	4%	6	0		
	Little Creek AA	63	16	5	84%	12	0		
	Roosevelt Wilson Park	6	8	1	1%	4	0		
	Beatty's Ford AA	126	17	8	n/a	20	0		
	Jetton Road County Park	0	13	25	8%	76	0		
	Ramsey Creek AA	295	13	9	3%	18	0		
	Blythe Landing County Park	261	14	9	15%	14	0		
McGuire Fishing Area	55	17	3	21%	8	0			

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.3a Spot Count Parking Capacity Analysis - Weekday

Lake/River Reach	Public Recreation Area	Number of Parking Spaces	Recreation Season Non Holiday Weekday Analysis						
			Number of Spot Counts Conducted	Mean # of Cars Counted	Mean % of Capacity	Maximum # of Cars counted	# of Weekend Days the # of Cars > the # of Parking Spaces	Percentage of time the Site was recorded over capacity	Number days the site would be expected to be over capacity
Mountain Island Lake	Cowans Ford Wildlife Refuge	14	12	0	4%	1	0		
	Rural Hill Park	7	10	0	0%	0	0		
	Neck Road AA	65	13	6	129%	32	0		
	Latta Plantation County Park	5	10	19	18%	43	9	90%	99
	Riverbend AA	104	17	10	42%	38	0		
Lake Wylie	Mountain Island River Park and	24	15	4	16%	11	0		
	Mountain Island Tailrace Fishing Area	22	No data collected for this time frame at this site						
	Mount Holly River Street Park	30	17	1	4%	14	0		
	Allen Fishing Area	29	12	2	8%	5	0		
	South Point AA	172	14	18	10%	44	0		
	Copperhead AA	100	22	7	7%	27	0		
	Buster Boyd AA	176	23	24	14%	129	0		
	McDowell Park	0	19	10	n/a	46	0		
	Allison Creek AA	106	20	12	11%	29	0		
	Ebenezer Park AA	236	22	14	6%	27	0		
Wylie Regulated River Reach	Nivens Creek AA	34	22	7	21%	20	0		
	Fort Mill AA	20	22	4	18%	8	0		
	Rock Hill River Park	0	22	4	n/a	8	0		
Fishing Creek Reservoir	Landsford Canal State Park	0	9	3	n/a	15	0		
	Highway 9 Landing	20	14	2	10%	6	0		
	Cane Creek AA	35	14	2	6%	4	0		
Cedar Creek Reservoir	Fishing Creek AA	60	13	4	7%	8	0		
	Stumpy Pond AA	23	13	1	6%	4	0		
Lake Wateree	Debutary Creek AA	20	13	1	4%	3	0		
	Cedar Creek AA	55	14	5	9%	13	0		
	Wateree Creek Bridge	0	11	0	n/a	0	0		
	Wateree Creek AA	37	12	3	7%	8	0		
	Taylor's Creek AA	70	11	4	5%	9	0		
	Taylor's Creek Bridge	2	12	0	0%	0	0		
	Lake Wateree State Park	0	9	5	n/a	15	0		
	Dutchman's Creek Bridge	4	10	1	15%	2	0		
	June Creek AA	35	11	3	10%	10	0		
	Beaver Creek Landing	45	14	3	7%	6	0		
	Colonel's Creek Bridge	4	10	0	3%	1	0		
	Colonel's Creek AA	72	10	2	3%	4	0		
	White Oak Creek AA	88	13	7	8%	15	0		
Wateree Regulated River Reach	Buck Hill AA	50	10	4	8%	9	0		
	Lugoff AA	48	10	7	15%	14	0		
	Highway 1 Landing	26	11	5	20%	9	0		
	Billy Tolar Landing	49	2	5	10%	6	0		

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Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.3b Spot Count Parking Capacity Analysis - Weekend

Lake/River Reach	Puplic Recreation Area	Number of Parking Spaces	Recreation Season Non-Holiday Weekend Analysis						
			Number of Spot Counts Conducted	Mean # of Cars Counted	Mean % of Capacity	Maximum # of Cars counted	# of Weekend Days the # of Cars > the # of Parking Spaces	Percentage of time the Site was recorded over capacity	Number days the site would be expected to be over capacity
Lake James	Black Bear AA	171	8	60	35%	90	0		
	Lake James State Park	0	9	44	na	77	0		
	Hidden Cove AA	47	8	7	15%	13	0		
	Canal Bridge AA	95	8	38	40%	70	0		
	Linville AA	62	8	36	58%	70	1	13%	7
Bridgewater Regulated River Reach	Bridgewater AA	24	13	2	10%	8	1	8%	4
	Watermill Road	14	7	4	28%	10	0		
	Morganton Greenway - Greenlee Ford	0	13	21	na	37	0		
	Morganton Greenway - River Village	0	13	0	na	4	0		
Lake Rhodhiss	Johns River AA	30	13	4	14%	13	0		
	Huffman Bridge AA	20	13	1	7%	4	0		
	Castle Bridge AA	155	13	35	22%	72	0		
	Sawmills Park AA	72	12	11	16%	24	0		
	Rhodhiss AA	104	13	11	11%	24	0		
	Rhodhiss Canoe Portage	0	10	0	na	0	0		
Lake Hickory	Bud Geitner Park	0	11	15	na	32	0		
	Glenn C. Hilton Park	0	10	39	na	81	0		
	Gunpowder AA	60	8	16	26%	24	0		
	Lovelady AA	49	10	22	46%	58	0		
	Wittenburg AA	206	10	44	21%	84	0		
	Dusty Ridge AA	117	11	10	9%	24	0		
	Oxford AA	125	10	18	14%	28	0		
Oxford Canoe Portage	20	11	4	21%	12	0			
Oxford Regulated River Reach	Riverbend Park	0	10	6	na	16	0		
Lookout Shoals Lake	Sharon AA	29	8	7	24%	12	0		
	Lookout Shoals AA	56	8	23	41%	33	0		
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area		No data collected during this time frame for this site						
Lake Norman	Hunsucker Park	20	8	1	4%	2	0		
	Long Island AA	50	9	2	5%	5	0		
	Lake Norman State Park	0	10	16	na	31	0		
	Stumpy Creek AA	157	9	58	37%	106	0		
	Pinnacle AA	146	10	20	14%	63	0		
	McCrary Creek AA	103	7	37	36%	49	0		
	Marshall Fishing Area	38	7	33	87%	57	0		
	Hager Creek AA	125	6	3	3%	6	0		
	Little Creek AA	63	9	8	13%	18	0		
	Roosevelt Wilson Park	6	7	15	243%	29	0		
	Beatty's Ford AA	126	9	2	2%	6	0		
	Jetton Road County Park	0	7	28	na	74	0		
	Ramsey Creek AA	295	8	31	11%	52	0		
Blythe Landing County Park	261	8	24	9%	48	0			
McGuire Fishing Area	55	9	27	49%	43	0			

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.3b Spot Count Parking Capacity Analysis - Weekend

Lake/River Reach	Puplic Recreation Area	Number of Parking Spaces	Recreation Season Non-Holiday Weekend Analysis						
			Number of Spot Counts Conducted	Mean # of Cars Counted	Mean % of Capacity	Maximum # of Cars counted	# of Weekend Days the # of Cars > the # of Parking Spaces	Percentage of time the Site was recorded over capacity	Number days the site would be expected to be over capacity
Mountain Island Lake	Cowans Ford Wildlife Refuge	14	11	4	29%	16	0		
	Rural Hill Park	7	13	0	4%	1	0		
	Neck Road AA	65	10	0	0%	0	0		
	Latta Plantation County Park	5	14	19	374%	33	0		
	Riverbend AA	104	11	34	33%	69	0		
Lake Wylie	Mountain Island River Park and	24	15	35	146%	92	0		
	Mountain Island Tailrace Fishing Area	22	12	4	18%	7	0		
	Mount Holly River Street Park	30	11	1	5%	8	0		
	Allen Fishing Area	29	11	4	13%	10	0		
	South Point AA	172	11	41	24%	86	0		
	Copperhead AA	100	9	33	33%	76	0		
	Buster Boyd AA	176	10	83	47%	216	0		
	McDowell Park	0	10	28	na	105	0		
	Allison Creek AA	106	11	39	37%	81	0		
	Ebenezer Park AA	236	8	75	32%	156	0		
Nivens Creek AA	34	10	38	111%	93	5	50%	26	
Wylie Regulated River Reach	Fort Mill AA	20	11	5	26%	7	0		
	Rock Hill River Park	0	8	6	na	11	0		
	Landsford Canal State Park	0	7	25	na	55	0		
Fishing Creek Reservoir	Highway 9 Landing	20	8	6	29%	16	0		
	Cane Creek AA	35	8	5	13%	10	0		
	Fishing Creek AA	60	7	13	22%	19	0		
Cedar Creek Reservoir	Stumpy Pond AA	23	7	4	16%	10	0		
	Debutary Creek AA	20	8	5	23%	17	0		
Lake Wateree	Cedar Creek AA	55	8	13	23%	26	0		
	Wateree Creek Bridge	0	9	0	na	2	0		
	Wateree Creek AA	37	9	19	50%	36	0		
	Taylor's Creek AA	70	10	14	20%	35	0		
	Taylor's Creek Bridge	2	9	0	0%	0	0		
	Lake Wateree State Park	0	10	30	na	78	0		
	Dutchman's Creek Bridge	4	10	1	13%	2	0		
	June Creek AA	35	10	12	34%	23	0		
	Beaver Creek Landing	45	10	19	43%	78	0		
	Colonel's Creek Bridge	4	10	1	13%	2	0		
	Colonel's Creek AA	72	10	21	30%	38	0		
White Oak Creek AA	88	9	55	63%	91	1	11%	6	
Buck Hill AA	50	10	11	22%	21	0			
Wateree Regulated River Reach	Lugoff AA	48	10	12	26%	25	0		
	Highway 1 Landing	26	8	15	58%	27	0		
	Billy Tolar Landing	49	1	15	31%	15	0		

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Table SD.4a Spot Counts - Activities (Percent)

Lake/River Reach	Public Recreation Area	Number of Spot Counts	Total Number of People Participating in Activities	Fishing Bank	Fishing Tailrace	Fishing Stream	Fishing - Bridge	Boat (Motor)	Rafting	Sailing	Jet Skiing	Canoe/Kayak Lake	Canoe/Kayak River	Windsurfing	Sculling	Swimming	Picnic	Nature Study/Wildlife Viewing	Sightseeing	Sunbathing	Hunting	Horseback Riding	Using Playground	Hiking	Walking	Running	Backpack	Rollerblade	Bike Road	Bike Mtn	Dog activities	Field Sports (baseball, basketball, frisbee, etc.)	Auto Related (sitting in cars, fixing up, racing, etc)	Work (marine patrol, park workers, etc)	Total %	
Lake James	Black Bear AA	33	96	5.2%				68.8%	1.0%		13.5%	6.3%									4.2%														100%	
	Lake James State Park	31	1890	1.0%				0.8%			0.2%	1.1%				57.7%	24.6%	0.2%	8.5%					0.9%	4.8%						0.3%				0.1%	100%
	Hidden Cove AA	31	33					33.3%			12.1%	42.4%									3.0%														6.1%	100%
	Canal Bridge AA	33	71	32.4%				52.1%		1.4%	5.6%	2.8%										5.6%														100%
	Linville AA	30	218	23.4%				8.3%				2.8%	1.4%				48.6%	11.5%	0.5%	3.2%															0.5%	100%
Bridgewater Regulated River Reach	Bridgewater AA	50	162	25.9%	28.4%	19.8%							17.9%				2.5%	1.9%	1.2%															0.6%	100%	
	Watermill Road	31	22	22.7%						9.1%			36.4%																						100%	
	Morganton Greenway - Greenlee Ford	29	503	7.2%		0.2%							0.2%				20.5%	1.8%			0.2%			12.9%	47.5%	2.2%		0.4%	1.6%	5.0%		0.2%	0.2%		100%	
	Morganton Greenway - River Village	31	194	3.1%														6.7%	8.8%					1.5%	45.4%	4.6%		5.7%	10.8%	12.9%		0.5%			100%	
Lake Rhodhiss	Johns River AA	34	35	48.6%		11.4%		11.4%					8.6%				14.3%																	2.9%	100%	
	Huffman Bridge AA	36	55	80.0%													1.8%		3.6%														1.8%	1.8%	100%	
	Castle Bridge AA	33	80	16.3%				66.3%			6.3%										2.5%												2.5%	1.3%	100%	
	Sawmills Park AA	38	78	57.7%				21.8%			5.1%	3.8%				6.4%																	1.3%	1.3%	100%	
	Rhodhiss AA	36	63	41.3%				38.1%											3.2%	9.5%		3.2%											1.6%		100%	
	Rhodhiss Canoe Portage	23	3	100.0%																																100%
Lake Hickory	Bud Geitner Park	39	432	24.1%				1.4%			1.2%	0.5%				0.2%	43.1%	3.2%	4.2%	0.2%					15.0%	3.5%			0.7%	1.9%		0.2%	0.5%	0.2%	100%	
	Glenn C. Hilton Park	34	1043	1.9%		0.3%											38.8%	3.2%	0.5%	0.4%			36.9%		16.7%			0.4%	0.4%		0.3%	0.1%	0.2%		100%	
	Gunpowder AA	36	56	33.9%				48.2%			3.6%								1.8%		7.1%				3.6%								1.8%		100%	
	Lovelady AA	39	139	72.7%				20.9%			4.3%									0.7%													0.7%	0.7%	100%	
	Wittenburg AA	39	242	43.8%				38.0%			7.9%						2.5%		0.8%		0.8%				5.0%	0.8%							0.4%		100%	
	Dusty Ridge AA	40	67	58.2%				19.4%									13.4%								6.0%										100%	
	Oxford AA	42	128	46.9%				34.4%			6.3%											3.9%				3.1%							0.8%	0.8%	100%	
	Oxford Canoe Portage	43	204	11.3%	72.5%												4.9%	2.0%	8.8%																0.5%	100%
Oxford Regulated River Reach	Riverbend Park	35	197	17.3%	16.8%	2.5%		0.5%					3.6%			2.5%	21.8%	1.0%	8.6%			0.5%			17.8%	0.5%							6.6%		100%	
Lookout Shoals Lake	Sharon AA	31	42	21.4%				45.2%			7.1%					4.8%																	2.4%	7.1%	100%	
	Lookout Shoals AA	32	118	36.4%				41.5%			16.1%	1.7%																					0.8%	0.8%	100%	
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	25	49		100.0%																														100%	
Lake Norman	Hunsucker Park	25	20	65.0%				15.0%					15.0%																					5.0%	100%	
	Long Island AA	37	47	4.3%				76.6%			10.6%										4.3%													2.1%	100%	
	Lake Norman State Park	30	889	6.1%				1.3%			0.8%	4.6%				17.2%	33.5%	2.5%	9.4%	0.4%		4.3%		3.3%	6.9%	1.3%		4.2%	8.1%				0.1%	0.2%	100%	
	Stumpy Creek AA	41	172	2.3%				21.5%			4.1%					1.7%	15.7%					1.2%		35.5%	13.4%							1.7%	1.7%	1.2%	100%	
	Pinnacle AA	44	88	2.3%				73.9%			15.9%											3.4%											3.4%	1.1%	100%	
	McCrary Creek AA	44	70	1.4%				58.6%		5.7%	32.9%											1.4%													100%	
	Marshall Fishing Area	40	151	98.0%													0.7%																	1.3%	100%	
	Hager Creek AA	41	43	16.3%				51.2%		2.3%	14.0%												4.7%			4.7%							4.7%	2.3%	100%	
	Little Creek AA	40	44	13.6%				61.4%			18.2%																						2.3%	4.5%	100%	
	Roosevelt Wilson Park	25	175	10.3%													10.9%		2.3%	0.6%				44.0%	24.6%	5.7%			0.6%	1.1%					100%	
	Beatty's Ford AA	43	114	12.3%				53.5%		5.3%	15.8%									1.8%	0.9%	1.8%				7.0%							0.9%	0.9%	100%	
	Jetton Road County Park	33	1127	3.5%							0.2%	2.9%						29.2%		0.9%	0.4%			26.8%	21.8%	7.0%		0.4%	1.2%	4.5%		0.6%	0.1%	0.4%	100%	
	Ramsey Creek AA	35	423	9.9%				7.8%			1.4%	3.5%						38.3%	0.2%	0.7%				27.0%	6.6%	0.2%		0.5%	0.5%	0.7%	0.5%		0.9%	1.2%	100%	
	Blythe Landing County Park	37	275	1.5%				21.1%			2.9%	1.8%						25.5%		6.5%		1.1%		30.5%	7.3%							0.4%	0.7%	0.7%	100%	
McGuire Fishing Area	40	214	88.8%	4.2%													0.5%		1.9%	0.5%					3.3%							0.5%	0.5%	100%		
Mountain Island Lake	Cowans Ford Wildlife Refuge	40	21															61.9%							9.5%								4.8%	100%		
	Rural Hill Park	28	0																															0%	100%	
	Neck Road AA	43	97	29.9%				41.2%			2.1%	22.7%																				2.1%	1.0%	100%		
	Latta Plantation County Park	31	656	10.8%								10.7%		0.2%			32.8%	0.8%	7.5%	0.3%									0.8%	1.4%			0.2%	0.6%	0.5%	100%
	Riverbend AA	52	134	13.4%	2.2%			61.9%			14.9%	0.7%										3.7%											0.7%		100%	

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Table SD.4a Spot Counts - Activities (Percent)

Lake/River Reach	Public Recreation Area	Number of Spot Counts	Total Number of People Participating in Activities	Fishing Bank	Fishing Tailrace	Fishing Stream	Fishing - Bridge	Boat (Motor)	Rafting	Sailing	Jet Skiing	Canoe/Kayak Lake	Canoe/Kayak River	Windsurfing	Sculling	Swimming	Picnic	Nature Study/Wildlife Viewing	Sightseeing	Sunbathing	Hunting	Horseback Riding	Using Playground	Hiking	Walking	Running	Backpack	Rollerblade	Bike Road	Bike Mtn	Dog activities	Field Sports (baseball, basketball, frisbee, etc.)	Auto Related (sitting in cars, fixing up, racing, etc)	Work (marine patrol, park workers, etc)	Total %		
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	46	244	6.6%	61.9%												12.3%	0.8%	2.9%						13.9%							0.8%	0.8%	100%			
	Mount Holly River Street Park	48	87	29.9%													39.1%						26.4%									1.1%	1.1%	1.1%	100%		
	Allen Fishing Area	39	237	92.8%																														0.4%	0.4%	100%	
	South Point AA	42	169	13.0%				66.3%				10.1%	0.6%								0.4%	6.5%											0.6%	0.6%	100%		
	Copperhead AA	45	231	56.7%					15.6%			1.7%	1.7%					1.7%																0.4%		100%	
	Buster Boyd AA	50	628	12.3%					19.9%		0.2%	3.8%						0.5%		60.0%		0.8%												0.3%	0.8%	100%	
	McDowell Park	37	701	12.8%									1.9%																					0.3%	0.1%	100%	
	Allison Creek AA	45	262	60.7%					25.6%			4.2%	1.1%				7.3%					0.8%													0.4%		100%
Wylie Regulated River Reach	Ebenezer Park AA	46	899	3.7%				7.0%		0.1%	1.0%					31.6%	43.8%	0.6%	1.7%		0.1%		5.6%		3.4%	0.1%		0.2%		0.4%		0.2%	0.2%	0.2%	100%		
	Nivens Creek AA	48	109	24.8%				50.5%			13.8%	1.8%					3.7%				0.9%									1.8%			1.8%		100%		
Fishing Creek Reservoir	Fort Mill AA	52	214	16.4%	66.4%			2.3%				0.5%	5.6%			2.3%			5.6%						0.5%									0.5%		100%	
	Rock Hill River Park	44	173	26.0%		1.2%							6.4%			5.8%	16.2%	0.6%	6.4%	0.6%				3.5%	31.2%				1.2%				1.2%		100%		
	Landsford Canal State Park	26	207	9.2%		1.0%							2.4%				32.9%	1.4%	12.6%	0.5%	1.0%		13.0%	10.6%	13.0%	1.4%							0.5%	0.5%	100%		
Cedar Creek Reservoir	Highway 9 Landing	36	50	70.0%				20.0%				6.0%								2.0%													2.0%		100%		
	Cane Creek AA	34	77	41.6%				10.4%								41.6%									6.5%										100%		
	Fishing Creek AA	35	49	38.8%				46.9%			4.1%										8.2%													2.0%		100%	
Lake Wateree	Stumpy Pond AA	32	36	52.8%				16.7%				2.8%				22.2%				2.8%													2.8%		100%		
	Debutary Creek AA	33	49	53.1%				20.4%				6.1%					16.3%																2.0%	2.0%	100%		
	Cedar Creek AA	35	257	13.2%	61.1%			2.7%									11.3%	1.6%									9.7%						0.4%			100%	
	Wateree Creek Bridge	32	1				100.0%																												100%		
	Wateree Creek AA	34	60	21.7%				26.7%				8.3%									1.7%															100%	
	Taylor's Creek AA	34	33	3.0%				81.8%				9.1%									6.1%															100%	
	Taylor's Creek Bridge	32	1				100.0%																												100%		
	Lake Wateree State Park	31	361	12.7%				6.4%				1.4%	0.3%																						0.6%		100%
	Dutchman's Creek Bridge	32	7	57.1%			28.6%																												14.3%		100%
	June Creek AA	34	103	77.7%				21.4%																										1.0%			100%
	Beaver Creek Landing	36	42	23.8%				64.3%				11.9%																									100%
	Colonel's Creek Bridge	33	9	88.9%			11.1%																														100%
	Colonel's Creek AA	32	42	23.8%				57.1%				7.1%					7.1%					4.8%															100%
White Oak Creek AA	34	108	42.6%				47.2%				6.5%	1.9%									0.9%													0.9%		100%	
Buck Hill AA	34	107	29.9%				12.1%				0.9%																							0.9%		100%	
Wateree Regulated River Reach	Lugoff AA	34	452	21.5%	67.7%			0.2%					0.2%			49.5%	5.6%		0.9%																	100%	
	Highway 1 Landing	29	28	7.1%		3.6%		78.6%									0.4%	9.3%															3.6%	7.1%	100%		
	Billy Tolar Landing	4	10	80.0%				10.0%																											10.0%		100%

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Table SD.4b Spot Counts - Activities (Raw Numbers)

Lake/River Reach	Public Recreation Area	Number of Spot Counts	Total Number of People Participating in Activities	Activities																														
				Fishing Bank	Fishing Tailrace	Fishing Stream	Fishing - Bridge	Boat (Motor)	Rafting	Sailing	Jet Skiing	Canoe/Kayak Lake	Canoe/Kayak River	Windsurfing	Sculling	Swimming	Picnic	Nature Study/Wildlife Viewing	Sightseeing	Sunbathing	Hunting	Horseback Riding	Using Playground	Hiking	Walking	Running	Backpack	Rollerblade	Bike Road	Bike Mtn	Dog activities	Field Sports (baseball, basketball, frisbee, etc)	Auto Related (sitting in cars, fixing up, racing, etc)	Work (marine patrol, park workers, etc)
Lake James	Black Bear AA	33	96	5	0	0	0	66	1	0	13	6	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Lake James State Park	31	1890	18	0	0	0	15	0	0	3	21	0	0	0	1090	465	4	160	0	0	17	90	0	0	0	0	6	0	0	0	0	1	
	Hidden Cove AA	31	33	0	0	0	0	11	0	0	4	14	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
	Canal Bridge AA	33	71	23	0	0	0	37	0	1	4	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Linville AA	30	218	51	0	0	0	18	0	0	6	3	0	0	0	106	25	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Bridgewater Regulated River Reach	Bridgewater Fishing Area	50	162	42	46	32	0	0	0	0	0	29	0	0	0	4	3	2	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	
	Watermill Road	31	22	5	0	0	0	0	2	0	0	0	8	0	0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	
	Morganton Greenway - Greenlee Ford	29	503	36	0	1	0	0	0	0	0	1	0	0	0	103	9	0	1	0	0	65	0	239	11	0	2	8	25	0	1	1	0	
	Morganton Greenway - River Village	31	194	6	0	0	0	0	0	0	0	0	0	0	0	13	17	0	0	0	0	3	0	88	9	0	11	21	25	0	1	0	0	
Lake Rhodhiss	Johns River AA	34	35	17	0	4	0	4	0	0	0	0	3	0	0	5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0		
	Huffman Bridge AA	36	55	44	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	6	0	0	0	0	0	0	0	0	1	1	
	Castle Bridge AA	33	80	13	0	0	0	53	0	0	5	0	0	0	0	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	2	1	
	Sawmills Park AA	38	78	45	0	0	0	17	0	0	4	3	0	0	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
	Rhodhiss AA	36	63	26	0	0	0	24	0	0	0	0	0	0	0	0	0	2	6	0	2	0	2	0	0	0	0	0	0	0	0	0	1	0
	Rhodhiss Canoe Portage	23	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake Hickory	Bud Geitner Park	39	432	104	0	0	0	6	0	0	5	2	0	0	1	186	14	18	1	0	0	0	65	15	0	0	3	8	0	1	2	1		
	Glenn C. Hilton Park	34	1043	20	0	3	0	0	0	0	0	0	0	0	0	405	33	5	4	0	0	385	174	0	0	0	4	4	0	3	1	2		
	Gunpowder AA	36	56	19	0	0	0	27	0	0	2	0	0	0	0	0	0	1	0	4	0	0	2	0	0	0	0	0	0	0	0	1	0	
	Lovelady AA	39	139	101	0	0	0	29	0	0	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
	Wittenburg AA	39	242	106	0	0	0	92	0	0	19	0	0	0	0	6	0	2	0	2	0	0	12	2	0	0	0	0	0	0	1	0		
	Dusty Ridge AA	40	67	39	0	0	0	13	0	0	0	0	0	0	9	0	0	2	0	0	0	0	4	0	0	0	0	0	0	0	0	0		
	Oxford AA	42	128	60	0	0	0	44	0	0	8	0	0	0	0	5	0	0	0	5	0	0	4	0	0	0	0	0	0	0	1	1		
	Oxford Canoe Portage	43	204	23	148	0	0	0	0	0	0	0	0	0	0	10	4	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Oxford Regulated River Reach	Riverbend Park	35	197	34	33	5	0	1	0	0	0	7	0	0	5	43	2	17	0	0	1	0	0	35	1	0	0	0	13	0	0	0	0	
Lookout Shoals Lake	Sharon AA	31	42	9	0	0	0	19	0	0	3	0	0	0	2	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	1	3		
	Lookout Shoals AA	32	118	43	0	0	0	49	0	0	19	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1	1		
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	25	49	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lake Norman	Hunsucker Park	25	20	13	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
	Long Island AA	37	47	2	0	0	0	36	0	0	5	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0		
	Lake Norman State Park	30	889	54	0	0	0	12	0	0	7	41	0	0	0	153	298	22	84	4	0	0	29	61	12	0	0	37	72	0	0	1	2	
	Stumpy Creek AA	41	172	4	0	0	0	37	0	0	7	0	0	0	0	3	27	0	0	2	0	61	0	23	0	0	0	0	0	3	3	2		
	Pinnacle AA	44	88	2	0	0	0	65	0	0	14	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	1		
	McCrary Creek AA	44	70	1	0	0	0	41	0	4	23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Marshall Fishing Area	40	151	148	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
	Hager Creek AA	41	43	7	0	0	0	22	0	1	6	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	2	1		
	Little Creek AA	40	44	6	0	0	0	27	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2		
	Roosevelt Wilson Park	25	175	18	0	0	0	0	0	0	0	0	0	0	0	19	0	4	1	0	0	77	0	43	10	0	1	2	0	0	0	0		
	Beatty's Ford AA	43	114	14	0	0	0	61	0	6	18	0	0	0	0	0	0	0	2	1	2	0	0	8	0	0	0	0	0	0	1	1		
	Jetton Road County Park	33	1127	40	0	0	0	0	2	0	33	0	0	0	0	329	0	10	4	0	0	302	0	246	79	0	5	13	51	0	7	1	5	
	Ramsey Creek AA	35	423	42	0	0	0	33	0	0	6	15	0	0	0	162	1	3	0	0	0	114	0	28	1	0	2	2	3	2	0	4	5	
	Blythe Landing County Park	37	275	4	0	0	0	58	0	0	8	5	0	0	0	70	0	18	0	3	0	84	0	20	0	0	0	0	0	1	2	2		
McGuire Fishing Area	40	214	190	9	0	0	0	0	0	0	0	0	0	1	0	4	1	0	0	0	0	7	0	0	0	0	0	0	0	1	1			
Mountain Island Lake	Cowans Ford Wildlife Refuge	40	21	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	2	0	0	0	0	0	5	0	0	0	1		
	Rural Hill Park	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Neck Road AA	43	97	29	0	0	0	40	0	0	2	22	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1		
	Latta Plantation County Park	31	656	71	0	0	0	0	0	0	70	0	1	0	0	215	5	49	2	0	13	5	52	107	44	0	5	9	0	1	4	3		
	Riverbend AA	52	134	18	3	0	0	83	0	0	20	1	0	0	0	0	0	0	0	5	0	0	2	0	0	0	0	1	0	0	1	0		

Table SD.4b Spot Counts - Activities (Raw Numbers)

Lake/River Reach	Public Recreation Area	Number of Spot Counts	Total Number of People Participating in Activities	Fishing Bank	Fishing Tailrace	Fishing Stream	Fishing - Bridge	Boat (Motor)	Rafting	Sailing	Jet Skiing	Canoe/Kayak Lake	Canoe/Kayak River	Windsurfing	Sculling	Swimming	Picnic	Nature Study/Wildlife Viewing	Sightseeing	Sunbathing	Hunting	Horseback Riding	Using Playground	Hiking	Walking	Running	Backpack	Rollerblade	Bike Road	Bike Mtn	Dog activities	Field Sports (baseball, basketball, frisbee, etc)	Auto Related (sitting in cars, fixing up, racing, etc)	Work (marine patrol, park workers, etc)	
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	46	244	16	151	0	0	0	0	0	0	0	0	0	0	0	30	2	7	0	0	0	0	34	0	0	0	0	0	0	0	0	2	2	
	Mount Holly River Street Park	48	87	26	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	23	0	1	0	0	0	0	0	0	1	1	1	
	Allen Fishing Area	39	237	220	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	1	1	
	South Point AA	42	169	22	0	0	0	112	0	0	0	17	1	0	0	0	0	0	0	0	11	0	0	0	4	0	0	0	0	0	0	0	1	1	
	Copperhead AA	45	231	131	0	0	0	36	0	0	4	4	0	0	0	0	4	0	0	0	0	0	0	0	49	0	0	0	2	0	0	0	1	0	
	Buster Boyd AA	50	628	77	0	0	0	125	0	1	24	0	0	0	0	0	3	0	377	0	5	0	0	0	9	0	0	0	0	0	0	0	2	5	
	McDowell Park	37	701	90	0	0	0	0	0	0	0	13	0	0	0	0	356	5	32	1	0	0	73	40	55	5	0	0	8	20	0	0	2	1	
	Allison Creek AA	45	262	159	0	0	0	67	0	0	11	3	0	0	0	0	19	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Ebenezer Park AA	46	899	33	0	0	0	63	0	1	9	0	0	0	0	284	394	5	15	0	1	0	50	0	31	1	0	2	0	4	0	2	2	2	
Nivens Creek AA	48	109	27	0	0	0	55	0	0	15	2	0	0	0	4	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	2	0		
Wylie Regulated River Reach	Fort Mill AA	52	214	35	142	0	0	5	0	0	1	12	0	0	0	5	0	0	12	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	
	Rock Hill River Park	44	173	45	0	2	0	0	0	0	0	0	11	0	0	10	28	1	11	1	0	0	0	6	54	0	0	0	2	0	0	0	2	0	
	Landsford Canal State Park	26	207	19	0	2	0	0	0	0	0	0	5	0	0	0	68	3	26	1	2	0	27	22	27	3	0	0	0	0	0	0	1	1	
Fishing Creek Reservoir	Highway 9 Landing	36	50	35	0	0	0	10	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Cane Creek AA	34	77	32	0	0	0	8	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
	Fishing Creek AA	35	49	19	0	0	0	23	0	0	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	
Cedar Creek Reservoir	Stumpy Pond AA	32	36	19	0	0	0	6	0	0	1	0	0	0	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Debutary Creek AA	33	49	26	0	0	0	10	0	0	3	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
Lake Wateree	Cedar Creek AA	35	257	34	157	0	0	7	0	0	0	0	0	0	0	29	4	0	0	0	0	0	0	0	0	25	0	0	0	0	0	1	0		
	Wateree Creek Bridge	32	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Wateree Creek AA	34	60	13	0	0	0	16	0	0	5	0	0	0	0	25	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Taylor's Creek AA	34	33	1	0	0	0	27	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Taylor's Creek Bridge	32	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Lake Wateree State Park	31	361	46	0	0	0	23	0	0	5	1	0	0	0	97	93	2	19	0	1	0	10	4	31	0	0	0	27	0	0	0	0	2	
	Dutchman's Creek Bridge	32	7	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	June Creek AA	34	103	80	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Beaver Creek Landing	36	42	10	0	0	0	27	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Colonel's Creek Bridge	33	9	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Colonel's Creek AA	32	42	10	0	0	0	24	0	0	3	0	0	0	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	White Oak Creek AA	34	108	46	0	0	0	51	0	0	7	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	
Buck Hill AA	34	107	32	0	0	0	13	0	0	1	0	0	0	0	53	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
Wateree Regulated River Reach	Lugoff AA	34	452	97	306	0	0	1	0	0	0	1	0	0	2	42	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Highway 1 Landing	29	28	2	0	1	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2		
	Billy Tolar Landing	4	10	8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		

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Table SD.4c Participation in Recreation Activities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Survey	Water Based Activities																	Land Based Activities														Total				
		No. of Surveys	Boating-Motor	Boating-Pontoon	Jetskiing	Canoeing/Kayaking-Lake	Canoeing/Kayaking-River	Rafting-River	Sailing	Windsurfing	Sculling	Waterskiing/Tubing	Kneeboarding	Swimming	Fishing-Boat	Fishing-Wade	Fishing-Stream	Fishing-Bank/Pier	Fishing-Tailrace	Sunbathing	Hunting	Nature Study/Wildlife Viewing	Sightseeing	Picnicking	Using Playgrounds	Camping Vehicle/Tent	Walking	Running	Hiking/Backpacking	Bicycling	Mtn Biking	Rollerblading		Off Road Vehicle	Horse Riding	Historic/Cultural Sites	Other Activities
Lake James	Public Area Visitors	154	11.3%	2.3%	1.6%	3.9%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	9.4%	32.0%	0.0%	0.0%	5.9%	0.0%	-	2.7%	0.4%	11.3%	7.0%	0.0%	1.2%	4.3%	0.0%	1.6%	0.4%	0.0%	0.0%	-	-	-	0.4%	100.0%	
	Shoreline Residents	68	10.4%	5.3%	3.5%	2.8%	1.2%	0.2%	1.2%	0.2%	7.3%	1.4%	11.0%	6.9%	0.2%	0.0%	4.1%	1.0%	8.5%	1.2%	5.9%	6.1%	6.3%	0.8%	2.4%	5.1%	1.2%	2.2%	2.0%	0.6%	0.0%	0.0%	0.0%	0.8%	0.2%	100.0%	
	Potential Visitors	64	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%
	All Surveys Combined	286	10.7%	4.5%	3.1%	3.0%	0.8%	0.1%	0.8%	0.1%	6.0%	1.2%	10.3%	13.8%	0.3%	0.0%	4.9%	0.7%	5.8%	1.7%	4.3%	7.4%	6.5%	0.9%	2.1%	4.9%	0.9%	1.9%	1.4%	0.4%	0.1%	0.1%	0.1%	0.7%	0.4%	100.0%	
Bridgewater Regulated River Reach	Public Area Visitors	44	0.0%	0.0%	0.0%	0.0%	2.9%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	15.7%	2.9%	-	0.0%	0.0%	21.4%	11.4%	8.6%	0.0%	28.6%	1.4%	0.0%	0.0%	2.9%	0.0%	-	-	-	0.0%	100.0%	
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potential Visitors	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	All Surveys Combined	44	0.0%	0.0%	0.0%	0.0%	2.9%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	15.7%	2.9%	0.0%	0.0%	0.0%	21.4%	11.4%	8.6%	0.0%	28.6%	1.4%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Lake Rhodhiss	Public Area Visitors	162	6.6%	1.1%	1.7%	0.6%	1.1%	0.0%	0.0%	0.0%	0.6%	0.0%	2.2%	60.2%	0.0%	0.0%	17.7%	0.0%	-	3.3%	0.6%	2.8%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	Shoreline Residents	4	8.0%	4.0%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	12.0%	8.0%	0.0%	0.0%	8.0%	0.0%	8.0%	4.0%	12.0%	4.0%	8.0%	0.0%	4.0%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	Potential Visitors	16	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%
	All Surveys Combined	182	7.4%	2.2%	2.7%	0.8%	1.0%	0.0%	0.2%	0.0%	1.6%	0.4%	4.4%	45.7%	0.1%	0.0%	14.6%	0.1%	2.0%	3.1%	2.6%	3.4%	3.1%	0.5%	0.9%	1.7%	0.2%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	100.0%	
Lake Hickory	Public Area Visitors	292	11.9%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	5.1%	33.7%	0.0%	0.0%	12.4%	4.3%	-	2.5%	0.3%	6.3%	6.6%	0.5%	0.0%	4.1%	0.5%	0.0%	0.0%	0.0%	0.0%	-	-	-	2.0%	100.0%	
	Shoreline Residents	103	10.7%	7.6%	8.9%	2.5%	0.5%	0.0%	1.1%	0.0%	8.1%	3.3%	11.2%	5.6%	0.2%	0.0%	7.8%	0.2%	9.2%	0.8%	6.1%	4.8%	4.0%	0.6%	0.2%	2.6%	1.2%	0.3%	0.6%	0.5%	0.0%	0.0%	0.5%	0.2%	0.6%	100.0%	
	Potential Visitors	72	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%
	All Surveys Combined	467	11.0%	5.7%	6.1%	1.7%	0.4%	0.0%	0.7%	0.0%	6.5%	2.1%	8.9%	14.8%	0.2%	0.0%	8.9%	1.6%	5.9%	1.5%	4.1%	5.4%	5.2%	0.9%	0.5%	3.5%	1.0%	0.4%	0.5%	0.3%	0.0%	0.1%	0.3%	0.3%	1.1%	100.0%	
Oxford Regulated River Reach	Public Area Visitors	18	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	8.3%	5.6%	-	0.0%	0.0%	30.6%	22.2%	0.0%	0.0%	13.9%	0.0%	0.0%	0.0%	2.8%	0.0%	-	-	-	5.6%	100.0%	
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Potential Visitors	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	All Surveys Combined	18	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	8.3%	5.6%	0.0%	0.0%	0.0%	30.6%	22.2%	0.0%	0.0%	13.9%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	5.6%	100.0%	
Lookout Shoals Lake	Public Area Visitors	49	13.0%	2.9%	7.2%	0.0%	0.0%	0.0%	0.0%	1.4%	7.2%	0.0%	5.8%	33.3%	0.0%	0.0%	8.7%	0.0%	-	5.8%	0.0%	10.1%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	0.0%	100.0%
	Shoreline Residents	10	6.4%	7.7%	6.4%	3.8%	1.3%	0.0%	0.0%	0.0%	9.0%	2.6%	10.3%	10.3%	0.0%	0.0%	7.7%	1.3%	3.8%	1.3%	7.7%	6.4%	5.1%	0.0%	3.8%	3.8%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
	Potential Visitors	16	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%
	All Surveys Combined	75	9.7%	5.5%	6.2%	2.2%	0.8%	0.0%	0.2%	0.0%	7.4%	1.6%	8.4%	17.9%	0.2%	0.0%	7.6%	0.7%	3.1%	3.0%	4.4%	7.6%	5.1%	0.6%	2.2%	2.7%	0.8%	0.4%	0.3%	0.1%	0.1%	0.1%	0.1%	0.3%	0.2%	100.0%	
Lookout Shoals Regulated River Reach	Public Area Visitors	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%	75.0%	-	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	0.0%	100.0%
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Potential Visitors	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	All Surveys Combined	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%	75.0%	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Lake Norman	Public Area Visitors	555	5.3%	2.5%	4.6%	1.6%	0.0%	0.0%	0.6%	0.0%	2.2%	0.0%	4.0%	20.0%	0.0%	0.0%	8.7%	0.4%	-	1.3%	0.1%	14.1%	14.8%	4.3%	0.7%	7.7%	0.8%	0.3%	0.1%	2.5%	0.1%	-	-	-	3.4%	100.0%	
	Shoreline Residents	748	10.8%	5.9%	6.1%	2.6%	0.2%	0.2%	1.6%	0.2%	7.4%	2.9%	11.4%	5.1%	0.2%	0.0%	6.1%	0.2%	9.1%	1.0%	5.1%	5.2%	4.5%	1.3%	1.0%	4.9%	1.5%	0.7%	2.1%	0.6%	0.2%	0.2%	0.2%	1.0%	0.6%	100.0%	
	Potential Visitors	237	10.5%	5.6%	4.1%	2.6%	1.1%	0.2%	1.1%	0.1%	0.0%	4.8%	2.4%	9.6%	7.1%	0.8%	0.0%	5.7%	0.8%	6.9%	1.6%	5.6%	5.8%	6.3%	2.6%	2.8%	5.2%	1.4%	1.7%	1.4%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%
	All Surveys Combined	1540	10.0%	5.4%	5.7%	2.5%	0.3%	0.2%	1.4%	0.1%	6.4%	2.4%	10.2%	7.3%	0.3%	0.0%	6.4%	0.3%	7.7%	1.1%	4.5%	6.4%	6.1%	1.8%	0.9%	5.3%	1.4%	0.8%	1.8%	0.9%	0.2%	0.2%	0.2%	0.9%	1.0%	100.0%	
Mountain Island Lake	Public Area Visitors	176	4.8%	2.1%	2.7%	7.9%	0.0%	0.0%	0.3%	0.0%	3.4%	0.0%	2.4%	18.5%	0.0%	0.0%	6.8%	0.0%	-	1.0%	3.4%	16.1%	10.3%	0.0%	0.0%	6.8%	3.8%	2.1%	0.0%	0.7%	0.0%	-	-	-	6.8%	100.0%	
	Shoreline Residents	192	9.4%	4.6%	3.9%	4.4%	0.8%	0.1%	0.6%	0.0%	7.1%	2.3%	10.3%</																								

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.4c Participation in Recreation Activities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Survey	Water Based Activities																Land Based Activities														Total						
		No. of Surveys	Boating-Motor	Boating-Pontoon	Jetskiing	Canoeing/Kayaking-Lake	Canoeing/Kayaking-River	Rafting-River	Sailing	Windsurfing	Sculling	Waterskiing/Tubing	Kneeboarding	Swimming	Fishing-Boat	Fishing-Wade	Fishing- Stream	Fishing-Bank/Pier	Fishing-Tailrace	Sunbathing	Hunting	Nature Study/Wildlife Viewing	Sightseeing	Picnicking	Using Playgrounds	Camping Vehicle/Tent	Walking	Running	Hiking/Backpacking	Bicycling	Mtn Biking		Rollerblading	Off Road Vehicle	Horse Riding	Historic/Cultural Sites	Other Activities	
Wylie Regulated River Reach	Public Area Visitors	119	0.0%	0.0%	0.0%	1.6%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.1%	0.0%	0.0%	20.9%	8.0%	-	0.5%	4.8%	17.1%	10.2%	1.1%	0.0%	13.9%	0.5%	8.0%	0.0%	0.5%	0.0%	-	-	-	5.9%	100.0%		
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Potential Visitors	3	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%	
	All Surveys Combined	122	0.4%	0.2%	0.2%	1.6%	5.2%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.9%	1.3%	0.0%	0.0%	20.3%	7.8%	0.3%	0.6%	4.8%	16.7%	10.0%	1.1%	0.1%	13.6%	0.6%	7.8%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	5.7%	100.0%	
Fishing Creek Reservoir	Public Area Visitors	65	9.8%	0.0%	2.4%	0.0%	1.2%	0.0%	0.0%	0.0%	2.4%	0.0%	3.7%	29.3%	0.0%	0.0%	31.7%	0.0%	-	7.3%	0.0%	4.9%	4.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	2.4%	100.0%	
	Shoreline Residents	6	11.4%	2.9%	5.7%	0.0%	2.9%	0.0%	0.0%	0.0%	2.9%	2.9%	8.6%	8.6%	2.9%	0.0%	8.6%	0.0%	8.6%	5.7%	8.6%	8.6%	5.7%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	100.0%	
	Potential Visitors	3	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%	
	All Surveys Combined	74	10.3%	1.1%	3.5%	0.1%	1.7%	0.0%	0.1%	0.0%	0.0%	2.7%	0.9%	5.4%	22.1%	0.9%	0.0%	23.7%	0.0%	2.8%	6.5%	2.7%	6.0%	5.2%	0.2%	0.2%	1.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.8%	0.0%	0.1%	1.7%	100.0%	
Great Falls - Dearborn Reservoir	Public Area Visitors	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Potential Visitors	2	8.3%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	8.3%	0.0%	0.0%	8.3%	0.0%	8.3%	0.0%	8.3%	16.7%	0.0%	0.0%	0.0%	16.7%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	All Surveys Combined	2	8.3%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	8.3%	0.0%	0.0%	8.3%	0.0%	8.3%	0.0%	8.3%	16.7%	0.0%	0.0%	0.0%	16.7%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Cedar Creek Reservoir	Public Area Visitors	27	2.9%	2.9%	0.0%	8.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	40.0%	0.0%	0.0%	28.6%	0.0%	-	2.9%	0.0%	5.7%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	0.0%	100.0%	
	Shoreline Residents	1	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	11.1%	11.1%	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%	11.1%	11.1%	11.1%	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
	Potential Visitors	3	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%	
	All Surveys Combined	31	5.4%	2.7%	0.6%	6.2%	0.2%	0.0%	0.1%	0.0%	0.0%	2.6%	0.3%	5.2%	30.2%	0.1%	0.0%	22.2%	0.1%	1.0%	2.2%	2.7%	6.7%	6.7%	0.4%	0.4%	2.7%	0.2%	0.2%	0.2%	0.2%	0.1%	0.0%	0.1%	0.1%	0.2%	0.1%	100.0%
Lake Wateree	Public Area Visitors	277	10.4%	4.5%	3.1%	0.7%	0.0%	0.0%	0.0%	0.0%	4.0%	0.7%	13.9%	24.9%	0.0%	0.0%	11.5%	3.8%	-	2.1%	0.2%	4.2%	8.7%	0.0%	2.1%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	4.2%	100.0%		
	Shoreline Residents	130	9.3%	8.6%	4.8%	3.3%	0.3%	0.1%	1.5%	0.4%	0.0%	5.9%	2.6%	9.9%	8.5%	0.4%	0.0%	8.8%	0.4%	7.6%	1.8%	5.3%	4.7%	3.6%	0.4%	1.4%	4.4%	1.6%	0.4%	1.6%	0.1%	0.1%	1.0%	0.3%	0.5%	0.3%	100.0%	
	Potential Visitors	48	10.3%	5.5%	4.0%	2.5%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.4%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.6%	6.2%	2.6%	2.8%	5.1%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%	
	All Surveys Combined	455	9.7%	7.2%	4.2%	2.5%	0.3%	0.1%	1.1%	0.3%	0.0%	5.3%	2.1%	11.0%	12.9%	0.3%	0.0%	9.3%	1.4%	5.4%	1.9%	3.9%	4.6%	5.3%	0.5%	1.7%	3.5%	1.1%	0.4%	1.1%	0.1%	0.1%	0.1%	0.7%	0.2%	0.4%	1.4%	100.0%
Wateree Regulated River Reach	Public Area Visitors	81	2.1%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	15.6%	0.0%	0.0%	20.8%	44.8%	-	1.0%	0.0%	2.1%	4.2%	0.0%	2.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	1.0%	100.0%		
	Shoreline Residents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Potential Visitors	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	All Surveys Combined	81	2.1%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	15.6%	0.0%	0.0%	20.8%	44.8%	0.0%	1.0%	0.0%	2.1%	4.2%	0.0%	2.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	100.0%	
Total	Public Area Visitors	2598	7.4%	2.1%	3.3%	1.6%	0.5%	0.1%	0.2%	0.0%	3.2%	0.2%	5.9%	23.6%	0.0%	0.0%	13.1%	3.3%	-	2.0%	0.8%	10.1%	9.7%	1.5%	0.7%	5.3%	0.6%	1.0%	0.1%	0.8%	0.0%	-	-	-	3.0%	100.0%		
	Shoreline Residents	1448	10.3%	6.2%	5.5%	3.1%	0.5%	0.1%	1.3%	0.1%	7.1%	2.7%	11.0%	5.6%	0.2%	0.0%	6.6%	0.2%	8.7%	1.0%	5.7%	5.1%	4.7%	1.2%	1.0%	4.8%	1.6%	0.8%	1.9%	0.5%	0.2%	0.3%	0.3%	0.9%	0.5%	100.0%		
	Potential Visitors	640	10.4%	5.6%	4.1%	2.6%	1.1%	0.2%	1.0%	0.1%	0.0%	4.7%	2.4%	9.5%	7.0%	0.8%	0.0%	5.6%	0.8%	6.8%	1.6%	5.5%	5.7%	6.3%	2.6%	2.0%	5.2%	1.3%	1.7%	1.3%	0.6%	0.3%	0.6%	0.5%	1.3%	0.9%	100.0%	
	All Surveys Combined	4686	9.6%	5.1%	4.8%	2.7%	0.5%	0.1%	1.0%	0.1%	0.0%	5.9%	2.1%	9.6%	10.2%	0.2%	0.0%	8.0%	1.1%	6.4%	1.3%	4.5%	6.4%	6.1%	1.4%	1.1%	5.0%	1.3%	0.9%	1.4%	0.6%	0.1%	0.3%	0.3%	0.8%	1.1%	100.0%	

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Table SD.5a Survey Assumptions Facility and Recreation Opportunity Needs Location

Survey	Assumptions
Public Area Visitors (Survey A - Interviews)	Question 13 asked the respondents what types of additional facilities and/or recreational opportunities were needed. Question 14 asked the location where the above facilities and/or recreation opportunities were needed. For Question 14 some questionnaires listed Lakes/Rec Sites (some times multiple locations) that were different from the location where the interview was being conducted, while other questionnaires did not specify a location at all. To make sure that every need and location was accounted for the data was separated and re-combined in a two step process. First, for the responses that didn't specify a location it was assumed that the respondent was speaking about the Lake/Rec Site where the interview was being conducted. This data was then combined with the responses where a location was specified. The entire data set was then grouped by Lake/Rec Site and the types of facilities/rec opportunities needed (from the facility/rec opportunity category table) were tallied.
Stakeholders (Survey E)	For Question 3 (Types of facilities/rec opportunities needed) it was assumed that when the survey respondent listed multiple Lakes/Rec Sites the first site identified was the primary location for the purposes of querying and grouping the data.

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Table SD.5b Survey Assumptions Dissatisfaction and Facility/Recreation Opportunity Needs Categories

If respondents were dissatisfied with the condition of the current facilities all of the surveys provided an open ended question asking why they were dissatisfied. In addition, when asking respondents what type of additional Facility/Rec Opportunities were needed Survey A (interviews) provided predetermined categories to select from as well as an open ended "Other" category. Surveys B, C, D and E just provided an open ended question without any categories to select from. These two questions are related and had similar/overlapping responses. In order to analyze the data more easily categories, in addition to the Survey A Facility/Rec Opportunity categories, were developed based upon the open ended responses. All responses from the above two questions were then grouped into one of these categories for analysis. Below are the categories used and the type of responses that they encompass.

Dissatisfaction/Facility Needs Category	Category Includes
Access by Season	includes daily hours
Additional Boat Docks	more docks
Additional Boat Fueling Facilities	boat fueling areas
Additional Camping	camping
Additional Lighting	lighting
Additional Marinas	marinas
Additional Parking	more parking
Additional Picnic Facilities	picnic facilities
Additional Public Boat Ramps	more boat ramps
Additional Restrooms	restrooms, drinking water, all things requiring plumbing
Additional Trails	trails (hiker, biker, equestrian, etc.)
Aesthetics	looks, sounds, and smells
Better Maintenance	litter, grass, weeds, overall appearance of site, safety issues; non construction.
Canoe Access	canoe (and other non-motorized boating) put-in and take-outs
Commercial Opportunities	entertainment, restaurants, stores...
Fees	dislike paying fees
Improved Access at Low Water Levels	low water levels compromise access to water
Other Fishing Resources/Access	piers, designated shorelines, platforms
Parks (multiple day use)	tennis courts, playgrounds, picnic areas, tables, trails...
Private Aids to Navigation	bouys, signage (both in the water and at the recreation sites)
Repair/Renovation of Facilities	repair existing resources (access road, boat ramps, ADA facilities, trails to water etc)
Swimming Areas	swimming areas
Wildlife Resources	more wildlife management areas/passive open space type recreation opp.

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**Table SD.6 Primary Lake Where Survey Respondents Participated in
Recreation Activities (Shoreline Residents, Potential Visitors)**

Lake/River Reach	Shoreline Residents		Potential Visitors	
	N	% of total	N	% of total
Lake James	68	4.7	64	10.0
Bridgewater Regulated River Reach	0	0.0	0	0.0
Lake Rhodhiss	4	0.3	16	2.5
Lake Hickory	103	7.1	72	11.3
Oxford Regulated River Reach	0	0.0	0	0.0
Lookout Shoals Lake	10	0.7	16	2.5
Lookout Shoals Regulated River Reach	0	0.0	0	0.0
Lake Norman	748	51.7	237	37.0
Mountain Island Lake	192	13.3	29	4.5
Lake Wylie	186	12.8	147	23.0
Wylie Regulated River Reach	0	0.0	3	0.5
Fishing Creek Reservoir	6	0.4	3	0.5
Great Falls-Dearborn Reservoir	0	0.0	2	0.3
Cedar Creek Reservoir	1	0.1	3	0.5
Lake Wateree	130	9.0	48	7.5
Wateree Creek Regulated River Reach	0	0.0	0	0.0
Total	1448	100.0	640	100.0

Note: some shoreline residents indicated a different lake where they primarily participate in recreation activities than the lake on which they live.

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Table SD.7a Average Number of Visits per Year (Public Area Visitors)

Lake/River Reach	N	Avg visits/yr	95% Confidence
Lake James	154	34.5	6.5
Bridgewater Regulated River Reach	44	86.4	20.3
Lake Rhodhiss	162	41.5	6.1
Lake Hickory	292	44.0	5.4
Oxford Regulated River Reach	18	32.4	12.2
Lookout Shoals Lake	49	30.3	3.8
Lookout Shoals Regulated River Reach	8	32.5	9.7
Lake Norman	555	41.2	3.3
Mountain Island Lake	176	37.2	5.2
Lake Wylie	571	38.6	3.5
Wylie Regulated River Reach	119	38.7	9.6
Fishing Creek Reservoir	65	45.1	13.6
Great Falls - Dearborn Reservoir	0	-	-
Cedar Creek Reservoir	27	37.7	19.8
Lake Wateree	277	41.3	6.1
Wateree Regulated River Reach	81	65.1	16.8
Totals	2598	41.5	1.7

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**Table SD.7b Average Number of Recreation Days Annually - Shoreline Residents (Survey B) and
Potential Visitors (Survey C)**

Lake/River Reach	Survey B								
	Shoreline Residents			Backlot Residents			Survey B Total		
	N	Avg # Rec Days	95% Confidence	N	Avg # Rec Days	95% Confidence	N	Avg # Rec Days	95% Confidence
Lake James	35	64.8	22.5	29	70.9	32.3	64	67.6	18.6
Bridgewater Regulated River Reach	-	-	-	-	-	-	-	-	-
Lake Rhodhiss	3	63.3	104.2	-	-	-	3	63.3	104.2
Lake Hickory	75	70.7	20.2	20	31.6	10.7	96	61.8	16.2
Oxford Regulated River Reach	-	-	-	-	-	-	-	-	-
Lookout Shoals Lake	9	75.6	85.6	-	-	-	9	75.6	85.6
Lookout Shoals Regulated River Reach	-	-	-	-	-	-	-	-	-
Lake Norman	383	75.2	8.2	304	58.3	7.4	690	67.4	5.6
Mountain Island Lake	15	69.7	32.5	170	65.0	11.7	186	65.0	10.9
Lake Wylie	141	108.0	18.3	13	39.7	22.5	158	99.7	16.8
Wylie Regulated River Reach	-	-	-	-	-	-	-	-	-
Fishing Creek Reservoir	6	31.2	38.6	-	-	-	6	31.2	38.6
Great Falls-Dearborn Reservoir	-	-	-	-	-	-	-	-	-
Cedar Creek Reservoir	1	50.0	-	-	-	-	1	50.0	-
Lake Wateree	120	73.5	14.6	-	-	-	121	72.9	14.5
Wateree Regulated River Reach	-	-	-	-	-	-	-	-	-
Total	788	79.4	6.1	536	59.7	5.9	1334	70.9	4.4

Lake/River Reach	Survey C			Survey B/C		
	N	Avg # Rec Days	95% Confidence	N	Avg # Rec Days	95% Confidence
Lake James	27	28.5	18.0	91	56.0	14.4
Bridgewater Regulated River Reach	-	-	-	-	-	-
Lake Rhodhiss	6	24.8	25.2	9	37.7	26.3
Lake Hickory	33	27.9	9.8	129	53.2	12.5
Oxford Regulated River Reach	-	-	-	-	-	-
Lookout Shoals Lake	6	19.3	17.6	15	53.1	49.5
Lookout Shoals Regulated River Reach	-	-	-	-	-	-
Lake Norman	115	32.0	11.0	805	62.3	5.2
Mountain Island Lake	14	24.9	16.3	200	62.2	10.3
Lake Wylie	76	22.7	8.5	234	74.7	12.5
Wylie Regulated River Reach	2	10.0	63.5	2	10.0	63.5
Fishing Creek Reservoir	2	19.0	76.2	8	28.1	26.6
Great Falls-Dearborn Reservoir	2	7.5	57.2	2	7.5	57.2
Cedar Creek Reservoir	1	8.0	-	2	29.0	266.8
Lake Wateree	23	51.3	31.6	144	69.4	13.1
Wateree Regulated River Reach	-	-	-	-	-	-
Total	307	29.2	5.5	1641	63.1	3.8

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Table SD.8 Average Visit Duration (Public Area Visitors)

Lake/River Reach	Sample Size	Avg. Visit Duration (hrs)	95% Confidence	min. visit duration	max. visit duration
Lake James	154	6.0	2.3	0.5	174.3
Bridgewater Regulated River Reach	44	1.7	0.4	0.8	8.2
Lake Rhodhiss	162	4.6	0.4	0.3	13.0
Lake Hickory	292	5.9	2.0	0.3	174.6
Oxford Regulated River Reach	18	2.1	0.6	0.7	4.3
Lookout Shoals Lake	49	4.0	0.5	1.5	10.5
Lookout Shoals Regulated River Reach	8	2.5	1.2	1.3	5.8
Lake Norman	555	4.3	1.0	0.5	189.0
Mountain Island Lake	176	3.1	0.2	0.7	10.5
Lake Wylie	571	5.8	1.6	0.3	313.0
Wylie Regulated River Reach	119	2.9	0.4	0.8	14.0
Fishing Creek Reservoir	65	5.1	1.5	0.3	48.5
Great Falls - Dearborn Reservoir	-	-	-	-	-
Cedar Creek Reservoir	27	5.4	2.3	1.0	33.0
Lake Wateree	277	8.0	2.7	0.9	265.0
Wateree Regulated River Reach	81	6.1	1.4	0.9	53.5
Total	2598	5.2	0.6	0.3	313.0

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Table SD.9 Average Group Size (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Area Visitors			Shoreline Residents			Potential Visitors			All Three Surveys Combined		
	Sample Size	Avg. Group Size	95% confidence	Sample Size	Avg. Group Size	95% confidence	Sample Size	Avg. Group Size	95% confidence	Sample Size	Avg. Group Size	95% confidence
Lake James	154	2.5	1.4	69	4.2	0.4	27	3.9	0.5	250	3.1	0.2
Bridgewater Regulated River Reach	44	2.4	1.1	-	-	-	-	-	-	44	2.4	0.3
Lake Rhodhiss	162	2.2	1.6	3	5.0	2.5	6	2.7	0.9	171	2.3	0.2
Lake Hickory	292	2.5	2.6	100	6.5	2.9	34	4.9	1.1	426	3.7	0.7
Oxford Regulated River Reach	18	2.9	1.2	-	-	-	-	-	-	18	2.9	0.6
Lookout Shoals Lake	49	2.5	1.4	9	5.0	1.3	6	4.5	2.3	64	3.0	0.4
Lookout Shoals Regulated River Reach	8	2.3	0.7	-	-	-	-	-	-	8	2.3	0.6
Lake Norman	555	2.9	2.7	713	4.9	0.3	117	6.1	1.3	1385	4.2	0.2
Mountain Island Lake	176	3.0	4.0	192	4.7	0.8	14	4.6	1.4	382	3.9	0.5
Lake Wylie	571	3.2	3.9	172	5.4	1.0	75	5.2	0.8	818	3.8	0.3
Wylie Regulated River Reach	119	2.8	2.7	-	-	-	2	4.0	25.4	121	2.8	0.5
Fishing Creek Reservoir	65	2.2	2.1	6	3.5	1.6	2	3.5	6.4	73	2.4	0.5
Great Falls - Dearborn Reservoir	-	-	-	-	-	-	2	2.0	0.0	2	2.0	0.0
Cedar Creek Reservoir	27	2.7	1.9	1	4.0	-	1	8.0	-	29	2.9	0.8
Lake Wateree	277	3.2	4.4	127	7.0	1.6	23	5.7	1.3	427	4.4	0.6
Wateree Regulated River Reach	81	2.1	1.4	-	-	-	-	-	-	81	2.1	0.3
Total	2598	2.8	3.1	1392	5.2	0.4	309	5.3	0.6	4299	3.8	0.1

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**Table SD.10 Number of Respondents Participating in Recreation Activities on Islands
(Shoreline Residents, Potential Visitors)**

Lake/River Reach	Shoreline Residents				Potential Visitors		
	Recreate on Islands?		Total Count	% Recreating on Islands	No. Recreating on Islands	% of Total Recreating on Islands (50)	% of all Survey Respondents (640)
	Yes	No					
Lake James	13	61	74	17.6	4	8.0	0.6
Bridgewater Regulated River Reach	0	0	0	-	0	0.0	0.0
Lake Rhodhiss	0	3	3	0.0	0	0.0	0.0
Lake Hickory	6	99	105	5.7	4	8.0	0.6
Oxford Regulated River Reach	0	0	0	-	0	0.0	0.0
Lookout Shoals Lake	2	7	9	22.2	2	4.0	0.3
Lookout Shoals Regulated River Reach	0	0	0	-	0	0.0	0.0
Lake Norman	209	531	740	28.2	17	34.0	2.7
Mountain Island Lake	52	143	195	26.7	8	16.0	1.3
Lake Wylie	23	158	181	12.7	8	16.0	1.3
Wylie Regulated River Reach	0	0	0	-	2	4.0	0.3
Fishing Creek Reservoir	0	6	6	0.0	1	2.0	0.2
Great Falls - Dearborn Reservoir	0	0	0	-	1	2.0	0.2
Cedar Creek Reservoir	0	1	1	0.0	1	2.0	0.2
Lake Wateree	21	113	134	15.7	2	4.0	0.3
Wateree Regulated River Reach	0	0	0	-	0	0.0	0.0
Total	326	1122	1448	22.5	50	100.0	7.8

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**Table SD.11 Number of Respondents Participating in Recreation Activities at Night
(Public Area Visitors, Shoreline Residents, Potential Visitors)**

Lake/River Reach	Public Area Visitors	Shoreline Residents				Potential Visitors				Shoreline Residents/Potential Visitors Combined			
	No. of Night Activity Respondents	No. of Night Activity Respondents	% all Shoreline Residents	Avg # Nights	95% Confidence	No. of Night Activity Respondents	% all Potential Visitors	Avg # nights	95% Confidence	No. of Night Activity Respondents	% of all Shoreline Residents & Potential Visitors	Avg # Nights	95% Confidence
Lake James	6	34	2.3	10.9	5.3	17	2.7	17.2	25.6	51	2.4	13.0	9.0
Bridgewater Regulated River Reach	0	1	0.1	4.0	-	1	0.2	2.0	-	2	0.1	3.0	12.7
Lake Rhodhiss	1	3	0.2	5.3	10.3	4	0.6	8.8	13.2	7	0.3	7.3	6.1
Lake Hickory	6	43	3.0	15.3	6.4	18	2.8	8.6	3.3	61	2.9	13.3	4.6
Oxford Regulated River Reach	0	0	0.0		-	0	0.0	-	-	0	0.0	-	-
Lookout Shoals Lake	0	6	0.4	18.8	26.8	2	0.3	7.0	38.1	8	0.4	15.9	18.7
Lookout Shoals Regulated River Reach	0	0	0.0		-	0	0.0	-	-	0	0.0	-	-
Lake Norman	5	391	27.0	11.9	1.3	50	7.8	8.2	3.1	441	21.1	11.5	1.2
Mountain Island Lake	2	89	6.1	9.3	2.7	5	0.8	21.4	20.9	94	4.5	9.9	2.7
Lake Wylie	23	112	7.7	12.1	3.2	23	3.6	7.0	2.8	135	6.5	11.2	2.7
Wylie Regulated River Reach	1	0	0.0		-	0	0.0	-	-	0	0.0	-	-
Fishing Creek Reservoir	2	1	0.1	10.0	-	1	0.2	2.0	-	2	0.1	6.0	50.8
Great Falls - Dearborn Reservoir	0	0	0.0		-	0	0.0	-	-	0	0.0	-	-
Cedar Creek Reservoir	1	0	0.0		-	2	0.3	15.0	63.5	2	0.1	15.0	63.5
Lake Wateree	15	76	5.2	14.8	4.2	13	2.0	14.8	18.1	89	4.3	14.8	4.2
Wateree Regulated River Reach	6	0	0.0		-	0	0.0	-	-	0	0.0	-	-
Total # Night Activity Respondents	68	756	52.2	12.1	1.1	136	21.3	10.3	3.7	892	42.7	11.8	1.1
Total Survey Respondents	2598	1448				640				2088			

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Table SD.12 Summary of Hunting Activity (Spot Counts, Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Spot Counts		Public Area Visitors		Shoreline Residents			Potential Visitors			Shoreline Residents/Potential Visitors Combined				All Surveys (not including Spot Counts)			
	No. of Surveys	All Hunting	No. of Surveys	All Hunting	No. of Surveys	Waterfowl	Small Game	Big Game	No. of Surveys	Waterfowl	Small Game	Big Game	No. of Surveys	Waterfowl	Small Game	Big Game	No. of Surveys	All Hunting
Lake James	158	9	154	7	74	4	1	1	64	1	1	3	138	5	2	2	292	16
Bridgewater Regulated River Reach	141	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0
Lake Rhodhiss	200	4	162	6	3	0	0	1	16	0	2	1	19	0	0	1	181	7
Lake Hickory	312	11	292	10	105	3	1	1	72	1	2	2	177	4	2	2	469	18
Oxford Regulated River Reach	35	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
Lookout Shoals Lake	63	5	49	4	9	1	0	0	16	1	1	1	25	1	0	0	74	5
Lookout Shoals Regulated River Reach	25	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	8	1
Lake Norman	555	14	555	12	739	21	14	18	237	0	1	2	976	23	18	22	1531	75
Mountain Island Lake	194	5	176	3	196	3	0	3	29	0	0	0	225	3	1	4	401	11
Lake Wylie	446	20	571	16	181	1	4	2	147	1	3	2	328	2	7	5	899	30
Wylie Regulated River Reach	122	2	119	1	0	0	0	0	3	0	0	0	3	0	0	0	122	1
Fishing Creek Reservoir	105	5	65	6	6	1	0	1	3	0	0	0	9	1	0	1	74	8
Great Falls - Dearborn Reservoir	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0
Cedar Creek Reservoir	65	1	27	1	1	0	0	0	3	0	0	0	4	0	0	0	31	1
Lake Wateree	433	7	277	9	134	5	6	7	48	1	1	1	182	5	7	8	459	29
Wateree Regulated River Reach	67	0	81	1	0	0	0	0	0	0	0	0	0	0	0	0	81	1
Total	2921	83	2598	77	1448	39	26	34	640	5	11	12	2088	44	37	46	4686	204

Note: Spot Counts and the Public Area Visitor survey did not specify individual types of hunting.

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.13 Boat Crowding Ratings (Public Area Visitors, Shoreline Residents, Stakeholders)

Week Day Boat Crowding Ratings												
Lake/River Reach	Public Area Visitors			Shoreline Residents			Combined (Public Area Visitors & Shoreline Residents)			Stakeholders		
	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	64	1.1	0.1	60	1.6	0.2	124	1.3	0.1	36	1.7	0.3
Bridgewater Regulated River Reach	3	1.0	0.0	0	-	-	3	1.0	0.0	24	1.1	0.2
Lake Rhodhiss	38	1.3	0.2	3	1.0	0.0	41	1.3	0.2	26	1.3	0.3
Rhodhiss Tailrace	0	-	-	0	-	-	0	-	-	12	1.3	0.4
Lake Hickory	70	1.4	0.2	92	1.6	0.2	162	1.5	0.1	30	2.0	0.3
Oxford Regulated River Reach	0	-	-	0	-	-	0	-	-	19	1.2	0.2
Lookout Shoals Lake	12	1.0	0.0	9	1.2	0.3	21	1.1	0.1	22	1.0	0.1
Lookout Shoals Regulated River Reach	2	1.0	0.0	0	-	-	2	1.0	0.0	0	-	-
Lake Norman	101	1.0	0.0	663	1.5	0.1	764	1.5	0.1	42	2.3	0.3
Mountain Island Lake	34	1.0	0.0	171	1.3	0.1	205	1.3	0.1	32	1.6	0.3
Lake Wylie	125	1.2	0.1	168	1.6	0.1	293	1.4	0.1	44	2.1	0.3
Wylie Regulated River Reach	6	1.0	0.0	0	-	-	6	1.0	0.0	35	1.0	0.1
Fishing Creek Reservoir	15	1.0	0.0	5	1.0	0.0	20	1.0	0.0	23	1.3	0.2
Great Falls - Dearborn Reservoir	0	-	-	0	-	-	0	-	-	20	1.0	0.0
Cedar Creek Reservoir	7	1.0	0.0	1	1.0	-	8	1.0	0.0	21	1.3	0.3
Lake Wateree	53	1.0	0.1	115	1.3	0.1	168	1.2	0.1	26	1.6	0.3
Wateree Regulated River Reach	11	1.0	0.0	0	-	-	11	1.0	0.0	26	1.2	0.2
Project Total	541	1.1	0.0	1287	1.5	0.0	1828	1.4	0.0	438	1.5	0.1

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.13 Boat Crowding Ratings (Public Area Visitors, Shoreline Residents, Stakeholders)

Week End Boat Crowding Ratings												
Lake/River Reach	Public Area Visitors			Shoreline Residents			Combined (Public Area Visitors & Shoreline Residents)			Stakeholders		
	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	59	2.0	0.3	64	3.0	0.3	123	2.5	0.2	35	3.1	0.3
Bridgewater Regulated River Reach	4	1.0	0.0	0	-	-	4	1.0	0.0	22	1.6	0.3
Lake Rhodhiss	98	1.7	0.2	4	2.3	0.8	102	1.7	0.2	26	2.4	0.4
Rhodhiss Tailrace	0	-	-	0	-	-	0	-	-	13	1.6	0.5
Lake Hickory	134	1.8	0.2	97	3.3	0.2	231	2.5	0.2	29	3.5	0.3
Oxford Regulated River Reach	3	1.0	0.0	0	-	-	3	1.0	0.0	17	1.7	0.4
Lookout Shoals Lake	32	1.1	0.1	9	2.4	0.6	41	1.4	0.2	21	2.0	0.2
Lookout Shoals Regulated River Reach	2	1.0	0.0	0	-	-	2	1.0	0.0	0	-	-
Lake Norman	211	1.2	0.1	709	3.7	0.1	920	3.1	0.1	41	4.2	0.2
Mountain Island Lake	71	1.2	0.1	184	2.9	0.1	255	2.4	0.1	28	3.1	0.4
Lake Wylie	201	1.9	0.2	173	3.5	0.2	374	2.6	0.1	43	3.9	0.3
Wylie Regulated River Reach	10	1.0	0.0	0	-	-	10	1.0	0.0	33	1.7	0.3
Fishing Creek Reservoir	24	1.1	0.1	5	1.0	0.0	29	1.1	0.1	23	2.0	0.4
Great Falls - Dearborn Reservoir	0	-	-	0	-	-	0	-	-	20	1.2	0.2
Cedar Creek Reservoir	9	1.3	0.5	1	5.0	-	10	1.7	1.0	20	1.7	0.5
Lake Wateree	127	1.9	0.2	124	2.6	0.2	251	2.2	0.1	25	3.2	0.4
Wateree Regulated River Reach	14	1.2	0.3	0	-	-	14	1.2	0.3	23	1.7	0.4
Project Total	999	1.6	0.1	1370	3.4	0.1	2369	2.6	0.1	419	2.6	0.1

**Catawba-Wateree Relicensing Recreation Use and Needs Study -
Supporting Documentation**

Table SD.14 Number of Boats Owned by Shoreline Residents (Survey B)

Lake/River Reach	Average Number of Boats Owned		
	Number of Surveys	Avg	95% Confidence
Lake James	74	1.4	0.4
Bridgewater Regulated River Reach	-	-	-
Lake Rhodhiss	3	1.0	2.5
Lake Hickory	105	1.9	0.3
Oxford Regulated River Reach	-	-	-
Lookout Shoals Lake	9	2.7	1.2
Lookout Shoals Regulated River Reach	-	-	-
Lake Norman	739	1.8	0.1
Mountain Island Lake	196	1.6	0.2
Lake Wylie	181	2.0	0.2
Wylie Regulated River Reach	-	-	-
Fishing Creek Reservoir	6	2.0	1.3
Great Falls - Dearborn Reservoir	-	-	-
Cedar Creek Reservoir	1	2.0	-
Lake Wateree	134	2.1	0.3
Wateree Regulated River Reach	-	-	-
Total Project	1448	1.8	0.1

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.15 People Crowding Ratings (Public Area Visitors, Shoreline Residents, Stakeholders)

Week Day People Crowding Ratings												
Lake/River Reach	Public Area Visitors			Shoreline Residents			Combined (Public Area Visitors & Shoreline Residents)			Stakeholders		
	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	76	1.2	0.1	59	1.3	0.2	135	1.2	0.1	34	2.1	0.3
Bridgewater Regulated River Reach	18	1.4	0.5	0	-	-	18	1.4	0.5	22	1.7	0.5
Lake Rhodhiss	47	1.1	0.1	3	1.0	0.0	50	1.1	0.1	24	1.5	0.4
Rhodhiss Tailrace	0	-	-	0	-	-	0	-	-	11	1.4	0.5
Lake Hickory	106	1.2	0.1	90	1.5	0.2	196	1.3	0.1	29	1.9	0.3
Oxford Regulated River Reach	3	1.0	0.0	0	-	-	3	1.0	0.0	18	1.3	0.2
Lookout Shoals Lake	15	1.0	0.0	10	1.2	0.3	25	1.1	0.1	22	1.2	0.2
Lookout Shoals Regulated River Reach	4	1.0	0.0	0	-	-	4	1.0	0.0	0	-	-
Lake Norman	210	1.0	0.0	679	1.5	0.1	889	1.4	0.0	41	2.3	0.3
Mountain Island Lake	68	1.0	0.0	175	1.2	0.1	243	1.2	0.1	31	1.7	0.3
Lake Wylie	260	1.2	0.1	168	1.5	0.1	428	1.3	0.1	43	2.0	0.3
Wylie Regulated River Reach	51	1.3	0.2	0	-	-	51	1.3	0.2	31	1.3	0.2
Fishing Creek Reservoir	32	1.1	0.2	4	1.0	0.0	36	1.1	0.1	22	1.2	0.2
Great Falls - Dearborn Reservoir	0	-	-	0	-	-	0	-	-	16	1.0	0.0
Cedar Creek Reservoir	9	1.0	0.0	1	1.0	-	10	1.0	0.0	19	1.3	0.3
Lake Wateree	97	1.1	0.1	118	1.3	0.1	215	1.2	0.1	27	1.6	0.3
Wateree Regulated River Reach	42	1.6	0.3	0	-	-	42	1.6	0.3	24	1.3	0.3
Total	1038	1.2	0.0	1307	1.4	0.0	2345	1.3	0.0	414	1.6	0.1

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.15 People Crowding Ratings (Public Area Visitors, Shoreline Residents, Stakeholders)

Week End People Crowding Ratings												
Lake/River Reach	Public Area Visitors			Shoreline Residents			Combined (Public Area Visitors & Shoreline Residents)			Stakeholders		
	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	78	1.9	0.2	63	2.8	0.3	141	2.3	0.2	33	3.8	0.4
Bridgewater Regulated River Reach	26	1.2	0.3	0	-	-	26	1.2	0.3	21	2.4	0.5
Lake Rhodhiss	114	1.6	0.1	4	2.3	0.8	118	1.6	0.1	24	2.5	0.4
Rhodhiss Tailrace	0	-	-	0	-	-	0	-	-	12	1.7	0.5
Lake Hickory	186	1.4	0.1	96	3.2	0.2	282	2.0	0.1	28	3.3	0.3
Oxford Regulated River Reach	15	1.0	0.0	0	-	-	15	1.0	0.0	17	2.4	0.5
Lookout Shoals Lake	34	1.2	0.1	10	2.3	0.5	44	1.4	0.2	20	2.1	0.5
Lookout Shoals Regulated River Reach	4	1.0	0.0	0	-	-	4	1.0	0.0	0	-	-
Lake Norman	345	1.1	0.0	708	3.5	0.1	1053	2.7	0.1	40	4.0	0.3
Mountain Island Lake	108	1.2	0.1	186	2.7	0.1	294	2.2	0.1	28	3.2	0.4
Lake Wylie	311	1.7	0.1	172	3.4	0.2	483	2.3	0.1	42	3.9	0.3
Wylie Regulated River Reach	68	1.3	0.2	0	-	-	68	1.3	0.2	30	2.2	0.4
Fishing Creek Reservoir	33	1.5	0.3	5	1.2	0.6	38	1.4	0.2	22	1.9	0.4
Great Falls - Dearborn Reservoir	0	-	-	0	-	-	0	-	-	16	1.3	0.2
Cedar Creek Reservoir	18	1.2	0.3	1	5.0	-	19	1.4	0.5	18	1.7	0.5
Lake Wateree	180	1.9	0.2	126	2.6	0.2	306	2.2	0.1	26	3.1	0.4
Wateree Regulated River Reach	39	1.5	0.3	0	-	-	39	1.5	0.3	22	2.1	0.5
Total	1559	1.5	0.0	1371	3.2	0.1	2930	2.3	0.0	399	2.8	0.1

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.16 Satisfaction Levels with Condition of Facilities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	Black Bear AA	77	1.8	0.3									
	Lake James State Park	20	1.6	0.2									
	Hidden Cove AA	10	1.5	0.4									
	Canal Bridge AA	25	1.5	0.2									
	Linville AA	22	3.0	0.6									
	Sub-Total	154	1.9	0.2	64	2.0	0.2	29	2.0	0.4	247	1.9	0.1
Bridgewater Regulated River Reach	Bridgewater AA	11	2.2	0.7									
	Watermill Road	6	2.0	1.1									
	Morganton Greenway - Greenlee Ford	16	1.9	0.4									
	Morganton Greenway - River Village	10	2.6	0.9									
	Sub-Total	43	2.2	0.3	0	-	-	0	-	-	43	2.2	0.3
Lake Rhodhiss	Johns River AA	7	2.9	1.4									
	Huffman Bridge AA	11	2.6	0.8									
	Castle Bridge AA	90	1.7	0.2									
	Sawmills Park AA	24	2.2	0.5									
	Rhodhiss AA	29	2.5	0.5									
	Sub-Total	161	2.0	0.2	4	2.0	1.3	6	2.5	1.1	171	2.0	0.2
Lake Hickory	Bud Geitner Park	25	1.9	0.4									
	Glenn C. Hilton Park	18	1.8	0.2									
	Gunpowder AA	16	2.3	0.7									
	Lovelady AA	49	2.0	0.4									
	Wittenburg AA	95	2.0	0.3									
	Dusty Ridge AA	18	2.4	0.6									
	Oxford AA	53	1.8	0.3									
	Oxford Canoe Portage	18	2.3	0.4									
Sub-Total	292	2.0	0.1	98	2.4	0.2	36	2.1	0.3	426	2.1	0.1	
Oxford Regulated River Reach	Riverbend Park	18	1.7	0.2									
	Sub-Total	18	1.7	0.2	0	-	-	0	-	-	18	1.7	0.2
Lookout Shoals Lake	Sharon AA	17	2.9	0.5									
	Lookout Shoals AA	32	2.8	0.4									
	Sub-Total	49	2.9	0.3	10	2.2	0.6	6	2.0	0.0	65	2.7	0.2
Lookout Shoals Regulated River	Lookout Shoals Tailrace Fishing Area	8	3.1	0.8									
Sub-Total	8	3.1	0.8	0	-	-	0	-	-	8	3.1	0.8	

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.16 Satisfaction Levels with Condition of Facilities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake Norman	Hunsucker Park	8	4.0	0.0									
	Long Island AA	30	2.1	0.3									
	Lake Norman State Park	69	1.8	0.1									
	Stumpy Creek AA	40	2.2	0.2									
	Pinnacle AA	49	2.3	0.2									
	McCrary Creek AA	36	2.1	0.2									
	Marshall Fishing Area	18	2.7	0.5									
	Hager Creek AA	22	2.8	0.4									
	Little Creek AA	33	2.4	0.3									
	Roosevelt Wilson Park	20	2.1	0.2									
	Beatty's Ford AA	40	2.6	0.3									
	Jetton Road County Park	63	1.7	0.1									
	Ramsey Creek AA	47	1.9	0.1									
	Blythe Landing County Park	47	2.1	0.2									
	McGuire Fishing Area	33	2.5	0.3									
	Sub-Total	555	2.2	0.1	694	2.2	0.1	115	2.0	0.2	1364	2.2	0.0
Mountain Island Lake	Cowans Ford Wildlife Refuge	7	2.4	1.0									
	Neck Road AA	38	2.7	0.3									
	Latta Plantation County Park	79	1.6	0.1									
	Riverbend AA	52	2.5	0.2									
		Sub-Total	176	2.1	0.1	185	2.2	0.1	15	2.4	0.5	376	2.2
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39	2.5	0.3									
	Mount Holly River Street Park	12	2.1	0.4									
	Allen Fishing Area	27	2.5	0.4									
	South Point AA	70	2.4	0.2									
	Copperhead AA	49	1.9	0.2									
	Buster Boyd AA	94	2.3	0.2									
	McDowell Park	55	1.5	0.1									
	Allison Creek AA	78	2.2	0.2									
	Ebenezer Park AA	86	1.7	0.2									
	Nivens Creek AA	61	1.8	0.3									
	Sub-Total	571	2.1	0.1	169	2.3	0.1	75	2.3	0.2	815	2.1	0.1

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.16 Satisfaction Levels with Condition of Facilities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Wylie Regulated River Reach	Fort Mill AA	33	3.0	0.4									
	Rock Hill River Park	43	2.0	0.3									
	Landsford Canal State Park	42	1.5	0.2									
	Sub-Total	118	2.1	0.2	0	-	-	2	3.5	6.4	120	2.1	0.2
Fishing Creek Reservoir	Highway 9 Landing	22	3.1	0.5									
	Cane Creek AA	18	2.3	0.5									
	Fishing Creek AA	25	1.8	0.4									
	Sub-Total	65	2.4	0.3	5	2.6	1.9	2	2.0	0.0	72	2.4	0.3
Great Falls - Dearborn Reservoir	Sub-Total	0	-	-	0	-	-	2	3.5	6.4	2	3.5	6.4
Cedar Creek Reservoir	Stumpy Pond AA	11	2.2	0.7									
	Debutary Creek AA	16	2.6	0.6									
	Sub-Total	27	2.4	0.4	0	-	-	1	2.0	-	28	2.4	0.4
Lake Wateree	Cedar Creek AA	36	2.8	0.4									
	Wateree Creek Bridge	2	2.0	0.0									
	Wateree Creek AA	11	2.3	0.8									
	Taylors Creek AA	25	1.7	0.3									
	Taylors Creek Bridge	1	2.0	-									
	Lake Wateree State Park	35	1.7	0.2									
	Dutchman's Creek Bridge	8	3.1	1.0									
	June Creek AA	36	1.9	0.4									
	Beaver Creek Landing	21	2.0	0.5									
	Colonel's Creek Bridge	8	2.5	1.0									
	Colonel's Creek AA	20	2.1	0.4									
	White Oak Creek AA	43	2.3	0.3									
	Buck Hill AA	31	2.5	0.4									
Sub-Total	277	2.2	0.1	123	2.3	0.2	23	2.4	0.4	423	2.2	0.1	
Wateree Regulated River Reach	Lugoff AA	58	2.5	0.2									
	Highway 1 Landing	21	2.7	0.5									
	Billy Tolar Landing	2	4.0	0.0									
	Sub-Total	81	2.6	0.2	0	-	-	0	-	-	81	2.6	0.2
Project Total	2595	2.1	0.0	1352	2.2	0.0	312	2.2	0.1	4259	2.2	0.0	

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.16a Reasons for Being Dissatisfied with Facility Conditions (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Access	Additional Boat Docks	Additional Lighting	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Aesthetics	Better Maintenance	Boater Safety	Canoe Access	Commercial Opportunities	Fees	Improved Access at Low Water Levels	Parking	Parks (multiple day use)	Other Fishing Resources/Access	Private Aids to Navigation	Repair/ Renovation of Facilities	Swimming Areas	Wildlife Resources	
Lake James	Black Bear AA	77			1				13																
	Lake James State Park	20																							
	Hidden Cove AA	10																							
	Canal Bridge AA	25																							
	Linville AA	22				2	1		5			3								1			1		
	Public Area Visitors	154			1	2	1		18			3								1			1		
	Shoreline Residents	74										2												1	
	Potential Visitors	64	1						1			2	1			1			1						
All Surveys Combined	292	1		1	2	1	1	18			4	4			1			1	2				2		
Bridgewater Regulated River Reach	Bridgewater AA	12							2																
	Watermill Road	6																				1			
	Morganton Greenway - Greenlee Ford	16																			1				
	Morganton Greenway - River Village	10				2				2															
	Public Area Visitors	44				2			2	2											1	1			
	Shoreline Residents	0																							
	Potential Visitors	0									1														
All Surveys Combined	44				2			2	3											1	1				
Lake Rhodhiss	Johns River AA	7							3			1													
	Huffman Bridge AA	11					2	1													1				
	Castle Bridge AA	90				1			12			4													
	Sawmills Park AA	25							4			3													
	Rhodhiss AA	29			1			1	4			4											1		
	Rhodhiss Canoe Portage	0																							
	Public Area Visitors	162			1	1	2	2	23			12									1	1			
	Shoreline Residents	3																							
Potential Visitors	16	1									2	1			1			1							
All Surveys Combined	181	1		1	1	2	2	23			2	13			1			1	2		1				
Lake Hickory	Bud Geitner Park	25										2													
	Glenn C. Hilton Park	18																							
	Gunpowder AA	16			2				2														1		
	Lovelady AA	49				1	1	1	7											2			2		
	Wittenburg AA	95				1	2	1	16			6													
	Dusty Ridge AA	18							5	1															
	Oxford AA	53					1		7			2													
	Oxford Canoe Portage	18							1												2				
	Public Area Visitors	292			2	2	4	2	38	1		10								4		3			
	Shoreline Residents	105	1						1			7	3							1					
	Potential Visitors	72										3	2		1				1						
All Surveys Combined	469	1		2	2	4	2	39	1		10	15		1				1	6		3				

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Table SD.16a Reasons for Being Dissatisfied with Facility Conditions (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Access	Additional Boat Docks	Additional Lighting	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Aesthetics	Better Maintenance	Boater Safety	Canoe Access	Commercial Opportunities	Fees	Improved Access at Low Water Levels	Parking	Parks (multiple day use)	Other Fishing Resources/Access	Private Aids to Navigation	Repair/ Renovation of Facilities	Swimming Areas	Wildlife Resources
Oxford Regulated River Reach	Riverbend Park	18																						
	Public Area Visitors	18																						
	Shoreline Residents	0																						
	Potential Visitors	0								1														
	All Surveys Combined	18								1														
Lookout Shoals Lake	Sharon AA	17							6															2
	Lookout Shoals AA	32			1				10												1		1	
	Public Area Visitors	49			1				16											1		3		
	Shoreline Residents	9	1																					
	Potential Visitors	16									2	1			1				1	1				
	All Surveys Combined	74	1		1				16		2	1			1				1	2		3		
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	8							1															3
	Public Area Visitors	8							1															3
	Shoreline Residents	0																						
	Potential Visitors	0																						
	All Surveys Combined	8							1															3
Lake Norman	Hunsucker Park	8							1															7
	Long Island AA	30							4															
	Lake Norman State Park	69										1												
	Stumpy Creek AA	40							3							2								
	Pinnacle AA	49							8															
	McCrary Creek AA	36							2															
	Marshall Fishing Area	18			1								4								1			
	Hager Creek AA	22							7												1			
	Little Creek AA	33							6												1			
	Roosevelt Wilson Park	20											1											
	Beatty's Ford AA	40							10												1			1
	Jetton Road County Park	63																						
	Ramsey Creek AA	47											1											
	Blythe Landing County Park	47											1			1					1			
	McGuire Fishing Area	33	3					1		2			3								1			
	Public Area Visitors	555	3		1			1		43			11			3					6		7	1
Shoreline Residents	739	4		1							5	2	5	1				2	2	7	1		2	1
Potential Visitors	237	1									5	1			1			1	1					
	All Surveys Combined	1531	8		2		1		43		10	14	5	1	1	3		3	2	14	1	7	3	1

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Table SD.16a Reasons for Being Dissatisfied with Facility Conditions (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Access	Additional Boat Docks	Additional Lighting	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Aesthetics	Better Maintenance	Boater Safety	Canoe Access	Commercial Opportunities	Fees	Improved Access at Low Water Levels	Parking	Parks (multiple day use)	Other Fishing Resources/Access	Private Aids to Navigation	Repair/ Renovation of Facilities	Swimming Areas	Wildlife Resources
Mountain Island Lake	Cowans Ford Wildlife Refuge	7								1						1								
	Rural Hill Park	0																						
	Neck Road AA	38			1		2	1	8													1		
	Latta Plantation County Park	79																						
	Riverbend AA	52				2	1		10														1	
	Public Area Visitors	176			1	2	3	1	18	1						1						1	1	
	Shoreline Residents	196									3	3								2			3	
	Potential Visitors	29									2	1			1			1	1	1				
All Surveys Combined	401			1	2	3	1	18	1	5	4			1	1		1	1	3		1	4		
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39							7	1										1				
	Mount Holly River Street Park	12							1															
	Allen Fishing Area	27			1		1					5												
	South Point AA	70							14			1												
	Copperhead AA	49				1	1					2												
	Buster Boyd AA	94		1		1	2		10			5					1				2		1	
	McDowell Park	55																						
	Allison Creek AA	78			2				10			5			1									
	Ebenezer Park AA	86						1				3					1							
	Nivens Creek AA	61						2	4			1												
	Public Area Visitors	571		1	3	2	4	3	46	1		22			1		2			1	2		1	
	Shoreline Residents	181									6						1							
	Potential Visitors	147								1	3	2			1			2		1				
All Surveys Combined	899		1	3	2	4	3	46	2	9	24			2		3	2		2	2		1		
Wylie Regulated River Reach	Fort Mill AA	33				1	1		3			4								4		5		
	Rock Hill River Park	44								1		3										1		
	Landsford Canal State Park	42																						
	Public Area Visitors	119				1	1		3	1		7								4		6		
	Shoreline Residents	0																						
	Potential Visitors	3																						
All Surveys Combined	122				1	1		3	1		7								4		6			
Fishing Creek Reservoir	Highway 9 Landing	22				1	1		2			5											2	
	Cane Creek AA	18							1			2											1	
	Fishing Creek AA	25					1		2															
	Public Area Visitors	65				1	2		5			7										3		
	Shoreline Residents	6									1	1												
	Potential Visitors	3										1			1			1		1				
All Surveys Combined	74				1	2		5		1	9			1			1		1		3			

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Table SD.16a Reasons for Being Dissatisfied with Facility Conditions (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Access	Additional Boat Docks	Additional Lighting	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Aesthetics	Better Maintenance	Boater Safety	Canoe Access	Commercial Opportunities	Fees	Improved Access at Low Water Levels	Parking	Parks (multiple day use)	Other Fishing Resources/Access	Private Aids to Navigation	Repair/ Renovation of Facilities	Swimming Areas	Wildlife Resources
Great Falls - Dearborn Reservoir	Public Area Visitors	0																						
	Shoreline Residents	0																						
	Potential Visitors	2																						
	All Surveys Combined	2																						
Cedar Creek Reservoir	Stumpy Pond AA	11							1													1		
	Debutary Creek AA	16					1		4			1												
	Public Area Visitors	27					1		5			1										1		
	Shoreline Residents	1																						
	Potential Visitors	3										1			1			1		1				
All Surveys Combined	31					1		5			2			1			1		1		1			
Lake Wateree	Cedar Creek AA	36					1					11								2		4		
	Wateree Creek Bridge	2																						
	Wateree Creek AA	11				1																2		
	Taylor's Creek AA	25							1															
	Taylor's Creek Bridge	1																						
	Lake Wateree State Park	35										1												
	Dutchman's Creek Bridge	8				3														3				
	June Creek AA	36					1		4											1				
	Beaver Creek Landing	21				2	1	1														1		
	Colonel's Creek Bridge	8				1														1				
	Colonel's Creek AA	20							2			1										1		
	White Oak Creek AA	43							10													1		
	Buck Hill AA	31		1			1		3		1	2								1			1	
	Public Area Visitors	277		1		7	4	1	20		1	15								8		9	1	
	Shoreline Residents	134	1						1	1		5						1	1	4				
	Potential Visitors	48										3	1			1			1	1				
	All Surveys Combined	459	1	1		7	4	2	21		9	16			1			1	2	13		9	1	
Wateree Regulated River Reach	Lugoff AA	58			2				8			5								1				
	Highway 1 Landing	21										5										4		
	Billy Tolar Landing	2							2															
	Public Area Visitors	81			2				10			10								1		4		
	Shoreline Residents	0																						
Potential Visitors	0									1														
All Surveys Combined	81			2				10		1	10								1		4			
Project Total		4686	13	2	13	20	23	11	250	10	52	119	5	1	11	4	4	14	3	52	4	41	11	1
Project Total Percent		-	2.0%	0.3%	2.0%	3.0%	3.5%	1.7%	37.7%	1.5%	7.8%	17.9%	0.8%	0.2%	1.7%	0.6%	0.6%	2.1%	0.5%	7.8%	0.6%	6.2%	1.7%	0.2%

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Table SD.17 Satisfaction with Facility and Recreation Opportunities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	Black Bear AA	66	1.7	0.2									
	Lake James State Park	19	2.2	0.3									
	Hidden Cove AA	9	1.8	0.3									
	Canal Bridge AA	23	1.7	0.3									
	Linville AA	20	1.8	0.3									
	Sub-Total	137	1.7	0.1	61	2.2	0.2	30	2.3	0.3	228	1.9	0.1
Bridgewater Regulated River Reach	Bridgewater AA	10	2.3	0.3									
	Watermill Road	6	2.2	1.0									
	Morganton Greenway - Greenlee Ford	16	2.2	0.3									
	Morganton Greenway - River Village	10	2.7	0.5									
	Sub-Total	42	2.3	0.2	0	-	-	0	-	-	42	2.3	0.2
Lake Rhodhiss	Johns River AA	5	2.2	1.0									
	Huffman Bridge AA	9	2.2	0.5									
	Castle Bridge AA	87	1.7	0.2									
	Sawmills Creek AA	23	1.9	0.4									
	Rhodhiss AA	26	1.9	0.4									
	Sub-Total	150	1.8	0.2	4	2.5	2.1	6	2.7	0.9	160	1.9	0.2
Lake Hickory	Bud Geitner Park	19	2.1	0.3									
	Glenn C. Hilton Park	17	2.5	0.4									
	Gunpowder AA	15	2.1	0.4									
	Lovelady AA	48	1.6	0.3									
	Wittenburg AA	87	1.6	0.2									
	Dusty Ridge AA	16	2.3	0.5									
	Oxford AA	47	1.8	0.3									
	Oxford Canoe Portage	16	2.4	0.4									
	Sub-Total	265	1.8	0.1	96	2.4	0.2	33	2.3	0.3	394	2.0	0.1
Oxford Regulated River Reach	Riverbend Park	17	2.1	0.2									
	Sub-Total	17	2.1	0.2	0	-	-	0	-	-	17	2.1	0.2
Lookout Shoals Lake	Sharon AA	17	2.4	0.3									
	Lookout Shoals AA	32	2.3	0.3									
	Sub-Total	49	2.3	0.2	9	2.0	0.4	6	2.2	0.4	64	2.3	0.2
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	8	2.6	0.6									
Sub-Total	8	2.6	0.6	0	-	-	0	-	-	8	2.6	0.6	

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Table SD.17 Satisfaction with Facility and Recreation Opportunities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake Norman	Hunsucker Park	8	2.3	0.4									
	Long Island AA	30	2.1	0.2									
	Lake Norman State Park	66	2.2	0.1									
	Stumpy Creek AA	40	2.1	0.1									
	Pinnacle AA	49	2.1	0.1									
	McCrary Creek AA	36	2.1	0.1									
	Marshall Fishing Area	18	2.0	0.0									
	Hager Creek AA	22	2.3	0.3									
	Little Creek AA	33	2.1	0.1									
	Roosevelt Wilson Park	20	2.3	0.3									
	Beatty's Ford AA	40	2.2	0.2									
	Jetton Road County Park	62	2.3	0.2									
	Ramsey Creek AA	47	2.3	0.2									
	Blythe Landing County Park	47	2.2	0.2									
	McGuire Fishing Area	33	2.3	0.3									
Sub-Total	551	2.2	0.0	695	2.3	0.1	112	2.3	0.2	1358	2.3	0.0	
Mountain Island Lake	Cowans Ford Wildlife Refuge	7	2.4	0.7									
	Neck Road AA	38	2.3	0.2									
	Latta Plantation County Park	78	2.4	0.2									
	Riverbend AA	52	2.2	0.1									
	Sub-Total	175	2.3	0.1	181	2.3	0.1	15	2.7	0.5	371	2.3	0.1
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39	2.4	0.2									
	Mount Holly River Street Park	11	2.1	0.2									
	Allen Fishing Area	27	2.5	0.3									
	South Point AA	70	2.1	0.1									
	Copperhead AA	49	2.5	0.3									
	Buster Boyd AA	94	2.2	0.2									
	McDowell Park	55	2.5	0.2									
	Allison Creek AA	77	2.2	0.2									
	Ebenezer Park AA	86	2.3	0.2									
	Nivens Creek AA	61	2.2	0.2									
Sub-Total	569	2.3	0.1	166	2.4	0.1	73	2.5	0.2	808	2.3	0.1	

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Table SD.17 Satisfaction with Facility and Recreation Opportunities (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Surveys Combined		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Wylie Regulated River Reach	Fort Mill AA	33	2.4	0.3									
	Rock Hill River Park	44	2.4	0.2									
	Landsford Canal State Park	42	2.4	0.3									
	Sub-Total	119	2.4	0.2	0	-	-	2	2.5	6.4	121	2.4	0.2
Fishing Creek Reservoir	Highway 9 Landing	22	2.5	0.3									
	Cane Creek AA	18	2.1	0.4									
	Fishing Creek AA	25	2.0	0.3									
	Sub-Total	65	2.2	0.2	6	2.3	1.3	2	2.5	6.4	73	2.2	0.2
Great Falls - Dearborn Reservoir		0	-	-	0	-	-	2	3.0	12.7	2	3.0	12.7
Cedar Creek Reservoir	Stumpy Pond AA	11	2.7	0.7									
	Debutary Creek AA	15	2.1	0.4									
	Sub-Total	26	2.4	0.4	0	-	-	1	4.0	-	27	2.4	0.4
Lake Wateree	Cedar Creek AA	36	2.3	0.3									
	Wateree Creek Bridge	2	2.5	6.4									
	Wateree Creek AA	11	2.2	0.7									
	Taylor's Creek AA	25	1.9	0.2									
	Taylor's Creek Bridge	1	2.0	-									
	Lake Wateree State Park	35	2.3	0.3									
	Dutchman's Creek Bridge	8	2.5	0.8									
	June Creek AA	36	2.1	0.3									
	Beaver Creek Landing	20	2.0	0.3									
	Colonel's Creek Bridge	8	2.4	0.8									
	Colonel's Creek AA	20	2.2	0.3									
	White Oak Creek AA	43	2.2	0.2									
	Buck Hill AA	30	2.2	0.3									
Sub-Total	275	2.2	0.1	122	2.4	0.2	24	2.5	0.4	421	2.3	0.1	
Wateree Regulated River Reach	Lugoff AA	58	2.3	0.2									
	Highway 1 Landing	21	2.2	0.5									
	Billy Tolar Landing	2	2.0	0.0									
	Sub-Total	81	2.3	0.2							81	2.3	0.2
Project Total		2529	2.2	0.0	1340	2.3	0.0	306	2.4	0.1	4175	2.2	0.0

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources
Lake James	Black Bear AA	77					2						4	6	2									1		
	Lake James State Park	20													1											
	Hidden Cove AA	10																								
	Canal Bridge AA	25												1										2		
	Linville AA	22											2		1											
	Public Area Visitors - Total	154						2					6	7	4									3		
	Shoreline Residents	74						1		2			1	1				2			1				1	
	Potential Visitors	64	1					1				1	1	2				3			1	1			1	
	Stakeholders	41	4					5			1	2	3	7	11	1	1				5	2			11	2
	All Surveys Combined	333	5					9		2	1	3	10	16	17	1	1	5			7	3		3	13	2
Bridgewater Regulated River Reach	Bridgewater AA	12													2											
	Watermill Road	6											1		2					1						
	Morganton Greenway - Greenlee Ford	16																		2						
	Morganton Greenway - River Village	10													1											
	Public Area Visitors - Total	44											1		5					3						
	Shoreline Residents	0																								
	Potential Visitors	0													1											
	Stakeholders	28	3					3				1	3	2	11	1	5				4	1			3	1
All Surveys Combined	72	3					3				1	4	2	17	1	5			3	4	1			3	1	
Lake Rhodhiss	Johns River AA	7													2											
	Huffman Bridge AA	11													2											
	Castle Bridge AA	90							2				2	6		3										
	Sawmills Park AA	25							2			1	2	3	2											
	Rhodhiss AA	29				1				1		2	1							1						
	Rhodhiss Canoe Portage	0																								
	Public Area Visitors - Total	162				1		4	1			3	2	9	7	5				1						
	Shoreline Residents	3																								
	Potential Visitors	16	1												2			2			1	1			1	
	Stakeholders	36	3					4				1		3	9	1	3				5	3		1	6	2
All Surveys Combined	217	4				1	4	4	1		4	2	12	18	6	3	2		1	6	4		1	7	2	

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources
Lake Hickory	Bud Geitner Park	25													1											
	Glenn C. Hilton Park	18													1							1				
	Gunpowder AA	16										3	2	3	1	4						1		3		
	Lovelady AA	49				2						4	2	3	2										1	
	Wittenburg AA	95										3	1	6		1						1				
	Dusty Ridge AA	18				3						2		3	8							1				
	Oxford AA	53				3						2		8	3	1						1		1		
	Oxford Canoe Portage	18				1									3											
	Public Area Visitors - Total	292				9							14	5	23	19	6					1	4		4	1
	Shoreline Residents	105	1		1								1				1		5			1	1			
	Potential Visitors	72	1										1			2			2			1	3			
Stakeholders	39	5					4					1		3	9	1	1				5	3		10	2	
All Surveys Combined	508	7		1	9		4					17	5	26	30	8	1	7			8	11		4	11	
Oxford Regulated River Reach	Riverbend Park	18																						1		
	Public Area Visitors - Total	18																						1		
	Shoreline Residents	0																								
	Potential Visitors	0													1											
	Stakeholders	25	4					3				1	1	1	8	1	5				4	1			3	1
All Surveys Combined	43	4					3				1	1	1	9	1	5				4	1		1	3	1	
Lookout Shoals Lake	Sharon AA	17											1	6	1											
	Lookout Shoals AA	32				1						1	2	6	4										2	
	Public Area Visitors - Total	49				1						1	3	12	5										2	
	Shoreline Residents	9																								
	Potential Visitors	16	1												2			2				1	1			
	Stakeholders	32	2					3				1		3	9	1	2				5	2			6	2
All Surveys Combined	106	3			1		3				2	3	15	16	1	2	2			6	3			8	2	
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	8													2											
	Public Area Visitors - Total	8													2											
	Shoreline Residents	0																								
	Potential Visitors	0																								
	Stakeholders	0																								
All Surveys Combined	8													2												

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources	
Lake Norman	Hunsucker Park	8																									
	Long Island AA	30				2								1	1						1		1				
	Lake Norman State Park	69															1				2						
	Stumpy Creek AA	40				1							1		1								2		4		
	Pinnacle AA	49				1						2	2	3								1	1	2	3		
	McCrary Creek AA	36										2		1									2				
	Marshall Fishing Area	18																						2			
	Hager Creek AA	22											2		3								2	1			
	Little Creek AA	33											1		1	1									2		
	Roosevelt Wilson Park	20																					2		3		
	Beatty's Ford AA	40											7		7							5	3		3		
	Jetton Road County Park	63														1							1		1		
	Ramsey Creek AA	47											1			2							1		1		
	Blythe Landing County Park	47											1	1		2						2	1		1		
	McGuire Fishing Area	33					2						8		4								1		3		
	Public Area Visitors - Total	555					6						24	4	20	10		2				19	10	9	18	6	
	Shoreline Residents	739	6				1							9	2	15		3	3			4	14	4		31	1
	Potential Visitors	237	1													2			5			1	3		1	3	
Stakeholders	48	5						3				2	4	4	9	1	2				7	8			17	3	
All Surveys Combined	1579	12				7		3				26	17	26	36	1	7	8			31	35	13	19	57	4	
Mountain Island Lake	Cowans Ford Wildlife Refuge	7													12							1	1		1		1
	Rural Hill Park	0																									
	Neck Road AA	38										3	2	3	7									2		1	
	Latta Plantation County Park	79										1			11							1	1		1	1	
	Riverbend AA	52										5	2	9	1			1				2	1		2		
	Public Area Visitors - Total	176										9	4	12	31			1				7	3		6	1	2
	Shoreline Residents	196	1		3		2	2					2		1	1	1	2				3	5	2		3	
	Potential Visitors	29	1						1						2			2				1	1			1	
	Stakeholders	37	3						3				1	1	3	11	1	2				6	2			8	2
All Surveys Combined	438	5		3		2	6					10	7	15	45	2	3	5			17	11	2	6	13	4	

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39										3		3	5							1		1		
	Mount Holly River Street Park	12													3											
	Allen Fishing Area	27												2							2	2		2		
	South Point AA	70										3		8	1						3	1		1	1	
	Copperhead AA	49				1							4	3										2	2	
	Buster Boyd AA	94						1		1		1	3	10							5					
	McDowell Park	55										2			3						1					
	Allison Creek AA	78						1		1		3	3	1	2						3				2	
	Ebenezer Park AA	86						2	1			2	3								2					
	Nivens Creek AA	61						1	2	1		5	1	7	1	1					5	1		2	3	
	Public Area Visitors - Total	571					1		5	3	3		19	14	31	18	1				21	5		8	8	
	Shoreline Residents	181	1		1								1			1			8		1	2		2	1	1
Potential Visitors	147	1						2						1	2					2	3		1			
Stakeholders	55	5		1				3				1	4	4	9	1	1	1		5	3			8	3	
All Surveys Combined	954	7		2		1		10	3	3		21	18	36	30	2	1	13		29	13		11	17	4	
Wylie Regulated River Reach	Fort Mill AA	33				2		1	2					4		4					4			3		
	Rock Hill River Park	44														1	1							1	1	
	Landsford Canal State Park	42										1			1											
	Public Area Visitors - Total	119				2		1	2			1		4	1	5	1				4			4	1	
	Shoreline Residents	0																								
	Potential Visitors	3													1											
	Stakeholders	39	7					4				1	7	1	8	2	3		1		4	1			3	1
All Surveys Combined	161	7				2		5	2		2	7	5	10	7	4		1		8	1		4	4	1	
Fishing Creek Reservoir	Highway 9 Landing	22												2												
	Cane Creek AA	18						1				4		3	2	2	1									
	Fishing Creek AA	25				1							1	2	1									1	1	
	Public Area Visitors - Total	65				1		1				4	1	7	3	2	1							1	1	
	Shoreline Residents	6																					1			
	Potential Visitors	3	1												2			2			1	1				
	Stakeholders	31	2					3				1	1	3	8	1					5	2			6	2
All Surveys Combined	105	3				1		4			5	2	10	13	3	1	2			6	3	1	1	7	2	

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources	
Great Falls - Dearborn Reservoir	Public Area Visitors - Total	0																									
	Shoreline Residents	0																									
	Potential Visitors	2																									
	Stakeholders	0	4					3				1	3	10	1						5	2			6	3	
	All Surveys Combined	2	4					3				1	3	10	1						5	2			6	3	
Cedar Creek Reservoir	Stumpy Pond AA	11					1					3	1	3	1		1										
	Debutary Creek AA	16												2	1										1		
	Public Area Visitors - Total	27					1					3	1	5	2		1								1		
	Shoreline Residents	1																									
	Potential Visitors	3	1				1								3				2			1	1				
	Stakeholders	53	2				3					1	3	8	1							5	2			6	2
All Surveys Combined	84	3				5					4	1	8	13	1	1	2				6	3			7	2	
Lake Wateree	Cedar Creek AA	36					1					3		3	2		1	1				1			1		
	Wateree Creek Bridge	2																			1			2			
	Wateree Creek AA	11																									
	Taylor's Creek AA	25										1	1														
	Taylor's Creek Bridge	1										1	1								1			2			
	Lake Wateree State Park	35					1						2														
	Dutchman's Creek Bridge	8		1									2											2			
	June Creek AA	36					1			1			1								1						
	Beaver Creek Landing	21											1											1			
	Colonel's Creek Bridge	8																			1			2			
	Colonel's Creek AA	20																				1					
	White Oak Creek AA	43												2										2			
	Buck Hill AA	31										2	2	2													
	Public Area Visitors - Total	277		1		3		3			1		7	8	9	2		1	1			4	2		11	1	
	Shoreline Residents	134			1	1		5							2	2	2		3			2	3				
	Potential Visitors	48	1					1					1						3			1	1				
Stakeholders	35	4					6					2	3	11	1						12	2			7	2	
All Surveys Combined	494	5	1	1	4		15			1		10	8	14	15	3	1	7			19	8		11	8	2	

Table SD.18 Where Facilities and Recreation Opportunities are Needed (Public Area Visitors, Shoreline Residents, Potential Visitors, Stakeholders)

Lake/River Reach	Public Recreation Area	No. of Surveys	Access (general)	Access By Season	Aesthetics	Additional Boat Docks	Additional Boat Fueling Facilities	Additional Camping	Additional Lighting	Additional Marinas	Additional Parking	Additional Picnic Facilities	Additional Public Boat Ramps	Additional Restrooms	Additional Trails	Better Maintenance	Canoe Access	Commercial Opportunities	Flows	Improved Access at Low Water Levels	Other Fishing Resources/Access	Parks (multiple day use)	Private Aid to Navigation	Repair/Renovation of Facilities	Swimming Areas	Wildlife Resources
Wateree Regulated River Reach	Lugoff AA	58						2					2	1		1						1		3		1
	Highway 1 Landing	21						2					2													
	Billy Tolar Landing	2																								
	Public Area Visitors - Total	81						4					4	1		1						1		3		1
	Shoreline Residents	0																								
	Potential Visitors	0													1											
	Stakeholders	29	4					3					1	1	2	7	2	2				5	1			3
All Surveys Combined	110	4					7					1	5	3	8	3	2				5	2		3	3	2
Project Total		5214	76	1	7	26	2	84	9	7	1	108	90	192	289	41	37	53	1	4	161	101	16	64	167	34
Project Total - Percent		-	4.8%	0.1%	0.4%	1.7%	0.1%	5.3%	0.6%	0.4%	0.1%	6.9%	5.7%	12.2%	18.4%	2.6%	2.4%	3.4%	0.1%	0.3%	10.2%	6.4%	1.0%	4.1%	10.6%	2.2%

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Table SD.19 Water Safety and Public Recreation Area Safety Ratings (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Safety on Water									Safety at Public Access Areas								
		Public Area Visitors			Shoreline Residents			Potential Visitors			Public Area Visitors			Shoreline Residents			Potential Visitors		
		N	Avg.	95% Confidence	Number Surveys	No. Indicating Safety issues	% of Respondents	Number Surveys	No. Indicating Safety issues	% of Respondents	N	Avg	95% Confidence	Number Surveys	No. Indicating Safety issues	% of Respondents	Number Surveys	No. Indicating Safety issues	% of Respondents
Lake James	Black Bear AA	76	1.3	0.1							77	1.4	0.1						
	Lake James State Park	0	-	-							20	1.9	0.2						
	Hidden Cove AA	10	1.6	0.4							10	1.9	0.5						
	Canal Bridge AA	24	1.6	0.3							25	1.6	0.2						
	Linville AA	14	1.4	0.3							21	1.7	0.2						
	Subtotal	124	1.4	0.1	68	7	10.3	64	5	7.8	153	1.5	0.1	68	0	0.0	64	0	0.0
Bridgewater Regulated River Reach	Bridgewater AA	0	-	-							12	1.8	0.2						
	Watermill Road	3	1.0	0.0							6	2.0	0.9						
	Morganton Greenway - Greenlee Ford	1	2.0	-							16	1.9	0.2						
	Morganton Greenway - River Village	0	-	-							10	2.0	0.0						
	Subtotal	4	1.3	0.8	0	0	-	0	0	-	44	1.9	0.1	0	0	-	0	0	-
Lake Rhodhiss	Johns River AA	2	2.0	0.0							7	1.7	0.5						
	Huffman Bridge AA	1	1.0	-							11	1.7	0.4						
	Castle Bridge AA	87	1.3	0.1							90	1.3	0.1						
	Sawmills Park AA	17	1.8	0.4							25	1.6	0.3						
	Rhodhiss AA	24	1.4	0.2							29	1.6	0.3						
	Subtotal	131	1.4	0.1	4	2	50.0	16	2	12.5	162	1.4	0.1	4	0	0.0	16	0	0.0
Lake Hickory	Bud Geitner Park	2	2.0	0.0							25	1.7	0.2						
	Glenn C. Hilton Park	0	-	-							18	1.7	0.2						
	Gunpowder AA	12	2.1	0.4							16	1.8	0.2						
	Lovelady AA	38	1.3	0.2							49	1.5	0.2						
	Wittenburg AA	87	1.6	0.2							95	1.5	0.1						
	Dusty Ridge AA	12	2.1	0.6							18	2.2	0.4						
	Oxford AA	47	1.7	0.3							53	1.6	0.2						
	Oxford Canoe Portage										18	2.3	0.4						
	Subtotal	198	1.6	0.1	103	22	21.4	72	9	12.5	292	1.7	0.1	103	1	1.0	72	1	1.4
Oxford Regulated River Reach	Riverbend Park	3	2.0	0.0							18	2.0	0.2						
	Subtotal	3	2.0	0.0	0	0	-	0	0	-	18	2.0	0.2	0	0	-	0	0	-
Lookout Shoals Lake	Sharon AA	16	2.1	0.3							17	2.1	0.2						
	Subtotal	43	2.1	0.1	10	1	10.0	16	0	0.0	49	2.0	0.1	10	0	0.0	16	0	0.0
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	2	2.0	0.0							8	2.0	0.0						
	Subtotal	2	2.0	0.0	0	0	-	0	0	-	8	2.0	0.0	0	0	-	0	0	-
Lake Norman	Hunsucker Park	8	2.0	0.0							8	2.1	0.3						
	Long Island AA	30	2.3	0.3							30	2.0	0.0						
	Lake Norman State Park	21	2.3	0.3							69	1.9	0.1						
	Stumpy Creek AA	28	2.1	0.2							40	2.0	0.1						
	Pinnacle AA	48	2.3	0.2							49	2.0	0.1						
	McCrary Creek AA	36	2.2	0.2							36	2.1	0.1						
	Marshall Fishing Area	0	-	-							18	2.2	0.3						
	Hager Creek AA	21	2.5	0.4							22	2.0	0.0						
	Little Creek AA	30	2.1	0.2							33	2.0	0.1						
	Roosevelt Wilson Park	0	-	-							20	2.0	0.1						
	Beatty's Ford AA	36	2.2	0.2							40	2.0	0.0						
	Jetton Road County Park	2	2.0	0.0							63	1.9	0.1						
	Ramsey Creek AA	16	2.0	0.0							47	2.0	0.1						
	Blythe Landing County Park	34	2.2	0.2							47	2.0	0.1						
McGuire Fishing Area	0	-	-							33	2.0	0.1							
	Subtotal	310	2.2	0.1	748	196	26.2	237	23	9.7	555	2.0	0.0	748	5	0.7	237	3	1.3

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Table SD.19 Water Safety and Public Recreation Area Safety Ratings (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Safety on Water									Safety at Public Access Areas								
		Public Area Visitors			Shoreline Residents			Potential Visitors			Public Area Visitors			Shoreline Residents			Potential Visitors		
		N	Avg.	95% Confidence	Number Surveys	No. Indicating Safety issues	% of Respondents	Number Surveys	No. Indicating Safety issues	% of Respondents	N	Avg	95% Confidence	Number Surveys	No. Indicating Safety issues	% of Respondents	Number Surveys	No. Indicating Safety issues	% of Respondents
Mountain Island Lake	Cowans Ford Wildlife Refuge	0	-	-							7	2.0	0.0						
	Neck Road AA	32	2.0	0.0							38	2.1	0.1						
	Latta Plantation County Park	17	2.0	0.0							79	1.9	0.1						
	Riverbend AA	52	2.1	0.1							52	2.1	0.1						
	Subtotal	101	2.1	0.1	192	39	20.3	29	2	6.9	176	2.0	0.1	192	3	1.6	29	1	3.4
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	0	-	-							39	2.0	0.1						
	Mount Holly River Street Park	0	-	-							12	2.0	0.0						
	Allen Fishing Area	0	-	-							27	2.0	0.0						
	South Point AA	68	2.1	0.1							70	2.0	0.0						
	Copperhead AA	20	1.8	0.2							49	1.9	0.2						
	Buster Boyd AA	75	1.8	0.2							94	1.7	0.1						
	McDowell Park	3	1.7	1.4							55	1.7	0.1						
	Allison Creek AA	43	1.9	0.2							78	1.7	0.1						
	Ebenezer Park AA	57	1.8	0.2							86	1.6	0.1						
	Nivens Creek AA	48	1.7	0.2							61	1.6	0.1						
Subtotal	314	1.9	0.1	186	48	25.8	147	8	5.4	571	1.8	0.0	186	3	1.6	147	1	0.7	
Wylie Regulated River Reach	Fort Mill AA	3	1.7	1.4							33	2.0	0.2						
	Rock Hill River Park	7	1.7	0.5							44	1.8	0.1						
	Landsford Canal State Park	3	1.0	0.0							42	1.5	0.2						
	Subtotal	13	1.5	0.3	0	0	-	3	0	0.0	119	1.7	0.1	0	0	-	3	0	0.0
Fishing Creek Reservoir	Highway 9 Landing	10	2.1	0.5							22	2.0	0.3						
	Cane Creek AA	6	1.8	0.8							18	1.7	0.2						
	Fishing Creek AA	23	1.8	0.3							25	1.8	0.2						
	Subtotal	39	1.9	0.2	6	0	0.0	3	1	33.3	65	1.9	0.1	6	2	33.3	3	0	0.0
Great Falls - Dearborn Reservoir		0	-	-	0	0	-	2	0	0.0	0	0	-	0	0	-	2	0	0.0
Cedar Creek Reservoir	Stumpy Pond AA	6	2.0	1.1							11	1.8	0.3						
	Debutary Creek AA	10	1.9	0.6							16	1.9	0.3						
	Subtotal	16	1.9	0.5	1	0	0.0	3	0	0.0	27	1.9	0.2	1	0	0.0	3	0	0.0
Lake Wateree	Cedar Creek AA	9	1.8	0.3							36	1.8	0.2						
	Wateree Creek Bridge	0	-	-							2	2.0	0.0						
	Wateree Creek AA	9	2.0	0.7							11	1.8	0.3						
	Taylor's Creek AA	24	1.7	0.3							25	1.7	0.2						
	Taylor's Creek Bridge	0	-	-							1	2.0	-						
	Lake Wateree State Park	13	1.8	0.3							35	1.7	0.2						
	Dutchman's Creek Bridge	0	-	-							8	2.8	0.7						
	June Creek AA	24	1.5	0.2							36	1.8	0.1						
	Beaver Creek Landing	19	1.7	0.4							21	1.5	0.2						
	Colonel's Creek Bridge	0	-	-							8	1.9	0.8						
	Colonel's Creek AA	17	1.8	0.2							20	1.8	0.2						
	White Oak Creek AA	34	1.8	0.2							43	1.7	0.1						
	Buck Hill AA	20	1.9	0.2							31	1.8	0.2						
Subtotal	169	1.7	0.1	130	25	19.2	48	5	10.4	277	1.8	0.1	130	1	0.8	48	1	2.1	
Wateree Regulated River Reach	Lugoff AA	1	2.0	-							58	1.7	0.1						
	Highway 1 Landing	19	1.7	0.4							21	2.0	0.3						
	Billy Tolar Landing	1	2.0	-							2	2.0	0.0						
	Subtotal	21	1.7	0.3	0	0	-	0	0	-	81	1.8	0.1	0	0	-	0	0	-
Project Total		1488	1.8	0.0	1448	340	23.5	640	55	8.6	2597	1.8	0.0	1448	15	1.0	640	7	1.1

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Table SD.21 Satisfaction with Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Combined Surveys		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake James	Black Bear AA	77	2.7	0.1									
	Lake James State Park	20	3.0	0.0									
	Hidden Cove AA	10	3.0	0.0									
	Canal Bridge AA	25	2.6	0.3									
	Linville AA	22	2.6	0.3									
	Sub-Total	154	2.7	0.1	63	2.9	0.1	28	2.8	0.2	245	2.8	0.1
Bridgewater Regulated River Reach	Bridgewater AA	12	2.8	0.2									
	Watermill Road	6	3.0	0.0									
	Morganton Greenway - Greenlee Ford	16	3.0	0.0									
	Morganton Greenway - River Village	10	2.6	0.5									
	Sub-Total	44	2.9	0.1	0	-	-	0	-	-	44	2.9	0.1
Lake Rhodhiss	Johns River AA	7	1.7	0.7									
	Huffman Bridge AA	11	1.4	0.3									
	Castle Bridge AA	90	2.5	0.1									
	Sawmills Park AA	25	2.2	0.4									
	Rhodhiss AA	29	2.3	0.3									
	Sub-Total	162	2.3	0.1	4	1.5	1.6	6	2.0	0.0	172	2.3	0.1
Lake Hickory	Bud Geitner Park	25	2.8	0.2									
	Glenn C. Hilton Park	18	2.9	0.1									
	Gunpowder AA	16	1.9	0.4									
	Lovelady AA	48	2.3	0.2									
	Wittenburg AA	95	2.5	0.1									
	Dusty Ridge AA	18	2.1	0.4									
	Oxford AA	53	2.5	0.2									
	Oxford Canoe Portage	18	1.9	0.3									
	Sub-Total	291	2.4	0.1	96	2.4	0.1	35	2.3	0.2	422	2.4	0.1
Oxford Regulated River Reach	Riverbend Park	18	3.0	0.0									
	Sub-Total	18	3.0	0.0	0	-	-	0	-	-	18	3.0	0.0
Lookout Shoals Lake	Sharon AA	17	2.4	0.4									
	Lookout Shoals AA	32	2.3	0.2									
	Sub-Total	49	2.3	0.2	10	2.7	0.3	6	2.7	0.5	65	2.4	0.2
Lookout Shoals Regulated River	Lookout Shoals Tailrace Fishing Area	8	1.8	0.4									
	Sub-Total	8	1.8	0.4	0	-	-	0	-	-	8	1.8	0.4

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.21 Satisfaction with Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Combined Surveys		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Lake Norman	Hunsucker Park	8	1.5	0.4									
	Long Island AA	30	2.5	0.2									
	Lake Norman State Park	69	3.0	0.0									
	Stumpy Creek AA	40	2.4	0.2									
	Pinnacle AA	49	2.0	0.2									
	McCrary Creek AA	36	2.2	0.2									
	Marshall Fishing Area	18	1.9	0.2									
	Hager Creek AA	22	2.2	0.3									
	Little Creek AA	33	2.4	0.3									
	Roosevelt Wilson Park	20	2.9	0.2									
	Beatty's Ford AA	40	2.2	0.2									
	Jetton Road County Park	63	3.0	0.0									
	Ramsey Creek AA	47	2.8	0.1									
	Blythe Landing County Park	47	2.4	0.2									
	McGuire Fishing Area	33	2.1	0.2									
Sub-Total	555	2.5	0.1	712	2.6	0.0	114	2.6	0.1	1381	2.5	0.0	
Mountain Island Lake	Cowans Ford Wildlife Refuge	7	3.0	0.0									
	Neck Road AA	38	2.6	0.2									
	Latta Plantation County Park	79	3.0	0.1									
	Riverbend AA	52	2.1	0.2									
	Sub-Total	176	2.6	0.1	183	2.7	0.1	14	2.6	0.3	373	2.7	0.1
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39	2.3	0.2									
	Mount Holly River Street Park	12	2.1	0.6									
	Allen Fishing Area	27	1.8	0.3									
	South Point AA	70	2.2	0.2									
	Copperhead AA	49	2.7	0.2									
	Buster Boyd AA	94	2.2	0.2									
	McDowell Park	55	2.9	0.1									
	Allison Creek AA	78	2.5	0.1									
	Ebenezer Park AA	86	2.7	0.1									
	Nivens Creek AA	61	2.6	0.1									
Sub-Total	571	2.5	0.1	173	2.4	0.1	73	2.4	0.1	817	2.4	0.0	

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.21 Satisfaction with Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Public Area Visitors			Shoreline Residents			Potential Visitors			Combined Surveys		
		N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence	N	Avg	95% Confidence
Wylie Regulated River Reach	Fort Mill AA	33	2.1	0.2									
	Rock Hill River Park	44	2.7	0.2									
	Landsford Canal State Park	42	2.9	0.1									
	Sub-Total	119	2.6	0.1	0	0.0	-	2	2.0	0.0	121	2.6	0.1
Fishing Creek Reservoir	Highway 9 Landing	22	1.8	0.3									
	Cane Creek AA	18	2.0	0.3									
	Fishing Creek AA	25	2.7	0.2									
	Sub-Total	65	2.2	0.2	5	2.6	0.7	2	2.0	0.0	72	2.2	0.2
Great Falls - Dearborn Reservoir		0	-	-	0	-	-	2	2.5	6.4	2	2.5	6.4
Cedar Creek Reservoir	Stumpy Pond AA	11	2.5	0.5									
	Debutary Creek AA	16	2.3	0.5									
	Sub-Total	27	2.4	0.3	1	2.0	-	1	2.0	-	29	2.3	0.3
Lake Wateree	Cedar Creek AA	36	2.1	0.2									
	Wateree Creek Bridge	2	2.5	6.4									
	Wateree Creek AA	11	2.5	0.6									
	Taylors Creek AA	25	2.7	0.3									
	Taylors Creek Bridge	1	2.0	-									
	Lake Wateree State Park	35	2.7	0.2									
	Dutchman's Creek Bridge	8	2.5	0.4									
	June Creek AA	36	2.8	0.1									
	Beaver Creek Landing	21	2.6	0.3									
	Colonel's Creek Bridge	8	2.4	0.6									
	Colonel's Creek AA	20	2.7	0.3									
	White Oak Creek AA	43	2.7	0.2									
	Buck Hill AA	31	2.5	0.2									
Sub-Total	277	2.6	0.1	124	2.5	0.1	23	2.7	0.2	424	2.6	0.1	
Wateree Regulated River Reach	Lugoff AA	58	2.2	0.2									
	Highway 1 Landing	21	1.8	0.4									
	Billy Tolar Landing	2	1.5	6.4									
	Sub-Total	81	2.1	0.2	0	-	-	0	-	-	81	2.1	0.2
Project Total		2597	2.5	0.0	1371	2.5	0.0	306	2.5	0.1	4274	2.5	0.0

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.22 What Detracts from the Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Air Quality	Bank Erosion	Better Maintenance	Boat Noise	Boat - people without life jackets	Boats - speeding	Boats - too many	Cables across walking roads	Development	Dilapidated properties	Fallen Trees	Flooding	Geese	Highway	Hunting clubs	Insects - fire ants	Lack of facilities	Light Pollution	Litter	Mobile homes	People - too many	Power Plants	Sewage plant	Shoreline buffer	Traffic	Transmission Lines	Water Hazards	Water Level	Water Quality		
Lake James	Black Bear AA	77									6																						
	Lake James State Park	20																															
	Hidden Cove AA	10																															
	Canal Bridge AA	25									2											1											
	Linville AA	22																				1											
	Public Area Visitors	154									8											2											
	Shoreline Residents	74					1		2		8		5								1	8	2	1			5				1		
	Potential Visitors	64	1								7									1		4					1						
All Surveys	292	1				1		2		23		5							1	1	14	2	1			6					1		
Bridgewater Regulated River Reach	Bridgewater AA	12																															
	Watermill Road	6																															
	Morganton Greenway - Greenlee Ford	16																															
	Morganton Greenway - River Village	10																				1											
	Public Area Visitors	44																				1											
	Shoreline Residents	0																															
	Potential Visitors	0																															
All Surveys	44																				1												
Lake Rhodhiss	Johns River AA	7																				4											
	Huffman Bridge AA	11																				7											
	Castle Bridge AA	90									2											2											
	Sawmills Park AA	25								1												9											
	Rhodhiss AA	29																				6											
	Rhodhiss Canoe Portage	0																															
	Public Area Visitors	162									3											28											
	Shoreline Residents	3																					3					1				1	
Potential Visitors	16	1								1	2										1					1							
All Surveys	181	1								4	2										32					1		1				1	
Lake Hickory	Bud Geitner Park	25																			2												
	Glenn C. Hilton Park	18																															
	Gunpowder AA	16									3											3											
	Lovelady AA	49									5											4											
	Wittenburg AA	95									5											5											
	Dusty Ridge AA	18									1											5											
	Oxford AA	53									2											6											
	Oxford Canoe Portage	18																				4											
	Public Area Visitors	292									16											29											
	Shoreline Residents	105					1		1	2	13	6	1									19	1					1			2	18	
	Potential Visitors	72									5	2										6										3	
All Surveys	469					1		1	2	34	8	1									54	1		1			1		2	21			

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.22 What Detracts from the Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Air Quality	Bank Erosion	Better Maintenance	Boat Noise	Boat - people without life jackets	Boats - speeding	Boats - too many	Cables across walking roads	Development	Dilapidated properties	Fallen Trees	Flooding	Geese	Highway	Hunting clubs	Insects - fire ants	Lack of facilities	Light Pollution	Litter	Mobile homes	People - too many	Power Plants	Sewage plant	Shoreline buffer	Traffic	Transmission Lines	Water Hazards	Water Level	Water Quality
Oxford Regulated River Reach	Riverbend Park	18																													
	Public Area Visitors	18																													
	Shoreline Residents	0																													
	Potential Visitors	0																													
	All Surveys	18																													
Lookout Shoals Lake	Sharon AA	17																			2										
	Lookout Shoals AA	32																			3										
	Public Area Visitors	49																			5										
	Shoreline Residents	9									1										1					1				1	
	Potential Visitors	16																			1										
	All Surveys	74									1										7					1				1	
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	8																			3										
	Public Area Visitors	8																			3										
	Shoreline Residents	0																													
	Potential Visitors	0																													
	All Surveys	8																			3										
Lake Norman	Hunsucker Park	8																			5										
	Long Island AA	30																			2										
	Lake Norman State Park	69																													
	Stumpy Creek AA	40									3										11										
	Pinnacle AA	49									8										5										
	McCrary Creek AA	36									1										3							1			
	Marshall Fishing Area	18																			2										
	Hager Creek AA	22									1										2										
	Little Creek AA	33									5																				
	Roosevelt Wilson Park	20																												1	
	Beatty's Ford AA	40									3										5										
	Jetton Road County Park	63																													
	Ramsey Creek AA	47																				1								1	
	Blythe Landing County Park	47									3						1														
	McGuire Fishing Area	33									1														1						
	Public Area Visitors	555									25						1				36				1				1	1	1
	Shoreline Residents	739	2	2		14		7	17		95	18	2			1	4				34	3	4	5		22	2	7	4	14	
Potential Visitors	237				2		1	3		8	2				1					9		1	2		1		1		3		
All Surveys	1531	2	2		16		8	20		128	20	2			1	6				79	3	5	8		23	2	9	5	18		

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.22 What Detracts from the Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Air Quality	Bank Erosion	Better Maintenance	Boat Noise	Boat - people without life jackets	Boats - speeding	Boats - too many	Cables across walking roads	Development	Dilapidated properties	Fallen Trees	Flooding	Geese	Highway	Hunting clubs	Insects - fire ants	Lack of facilities	Light Pollution	Litter	Mobile homes	People - too many	Power Plants	Sewage plant	Shoreline buffer	Traffic	Transmission Lines	Water Hazards	Water Level	Water Quality
Mountain Island Lake	Cowans Ford Wildlife Refuge	7																													
	Rural Hill Park	0																													
	Neck Road AA	38																			3										
	Latta Plantation County Park	79																										1			
	Riverbend AA	52									1										13										
	Public Area Visitors	176									1										16							1			
	Shoreline Residents	196		1			3		1	4	18	3	1								1	17	4	1	8	3	6	12		3	
	Potential Visitors	29																				1									
All Surveys	401		1			3		1	4	19	3	1								1	34	4	1	8	3	6	13		3		
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	39																			4										
	Mount Holly River Street Park	12																				4									
	Allen Fishing Area	27																			9										
	South Point AA	70								2											9										
	Copperhead AA	49								1											2										
	Buster Boyd AA	94								13											8										
	McDowell Park	55																													
	Allison Creek AA	78									1											3							1		
	Ebenezer Park AA	86									1																				
	Nivens Creek AA	61									2											1									
	Public Area Visitors	571									20											40							1		
	Shoreline Residents	181		5			3		1	6	21	11	1								19	2	1	6		2	1	3	4	9	
Potential Visitors	147	1				1			3	4	5	1					1			9	2	1	6		2	1	1	1	3		
All Surveys	899	1	5			4		1	9	45	16	2					1			68	2	2	6		2	2	5	5	12		
Wylie Regulated River Reach	Fort Mill AA	33			1																5			1							
	Rock Hill River Park	44										1									2										
	Landsford Canal State Park	42																			1										
	Public Area Visitors	119			1								1									8		1							
	Shoreline Residents	0																													
	Potential Visitors	3																									1				2
All Surveys	122			1								1									8		1		1					2	
Fishing Creek Reservoir	Highway 9 Landing	22																			10										
	Cane Creek AA	18																			4										
	Fishing Creek AA	25																													
	Public Area Visitors	65																				14									
	Shoreline Residents	6										1									2								1		
	Potential Visitors	3									1																				
All Surveys	74									1	1										16							1			

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.22 What Detracts from the Scenic Quality (Public Area Visitors, Shoreline Residents, Potential Visitors)

Lake/River Reach	Public Recreation Area	Number of Surveys	Air Quality	Bank Erosion	Better Maintenance	Boat Noise	Boat - people without life jackets	Boats - speeding	Boats - too many	Cables across walking roads	Development	Dilapidated properties	Fallen Trees	Flooding	Geese	Highway	Hunting clubs	Insects - fire ants	Lack of facilities	Light Pollution	Litter	Mobile homes	People - too many	Power Plants	Sewage plant	Shoreline buffer	Traffic	Transmission Lines	Water Hazards	Water Level	Water Quality
Great Falls - Dearborn Reservoir	Public Area Visitors	0																													
	Shoreline Residents	0																													
	Potential Visitors	2																													
	All Surveys	2																													
Cedar Creek Reservoir	Stumpy Pond AA	11																			2										
	Debutary Creek AA	16																			7										
	Public Area Visitors	27																			9										
	Shoreline Residents	1																								1					
	Potential Visitors	3								1							1														
	All Surveys	31								1							1					9				1					
Lake Wateree	Cedar Creek AA	36																			6										
	Wateree Creek Bridge	2																													
	Wateree Creek AA	11								1											1										
	Taylor's Creek AA	25																			2										
	Taylor's Creek Bridge	1																													
	Lake Wateree State Park	35									1		1																		
	Dutchman's Creek Bridge	8																													
	June Creek AA	36																													
	Beaver Creek Landing	21																				1									
	Colonel's Creek Bridge	8																				1									
	Colonel's Creek AA	20			1																										
	White Oak Creek AA	43									3											2									
	Buck Hill AA	31			1																	1									
	Public Area Visitors	277			2						5		1									14									
	Shoreline Residents	134		2					2	3		2	17	1	1						1	12	2			5			1	1	3
Potential Visitors	48						1														2		1							1	
All Surveys	459		2	2		1	2	3		7	17	2	1							1	28	2	1		5			1	1	4	
Wateree Regulated River Reach	Lugoff AA	58																			10			1				2		1	
	Highway 1 Landing	21																			14										
	Billy Tolar Landing	2																			1										
	Public Area Visitors	81																				25		1				2		1	
	Shoreline Residents	0																													
	Potential Visitors	0																													
All Surveys	81																				25			1			2		1		
Project Total		4686	5	10	3	25	1	13	40	1	262	67	14	1	1	6	1	1	1	3	378	14	10	25	3	46	4	31	2	15	62
Project Total - Percent		-	0.5%	1.0%	0.3%	2.4%	0.1%	1.2%	3.8%	0.1%	25.1%	6.4%	1.3%	0.1%	0.1%	0.6%	0.1%	0.1%	0.1%	0.3%	36.2%	1.3%	1.0%	2.4%	0.3%	4.4%	0.4%	3.0%	0.2%	1.4%	5.9%

**Catawba-Wateree Relicensing Recreation Use and Needs Study -
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Table SD.23 Satisfaction with Water Levels (Public Area Visitors)

Lake/River Reach	Public Recreation Area	N	Avg	95% Confidence
Lake James	Black Bear AA	77	2.0	0.1
	Lake James State Park	15	2.1	0.1
	Hidden Cove AA	10	2.1	0.2
	Canal Bridge AA	25	2.1	0.1
	Linville AA	22	2.1	0.2
	Sub-Total		149	2.1
Bridgewater Regulated River Reach	Bridgewater AA	11	2.2	0.3
	Watermill Road	6	2.2	0.4
	Morganton Greenway - Greenlee Ford	10	2.0	0.0
	Morganton Greenway - River Village	4	2.0	0.0
	Sub-Total		31	2.1
Lake Rhodhiss	Johns River AA	7	2.0	0.0
	Huffman Bridge AA	11	2.1	0.4
	Castle Bridge AA	90	2.1	0.1
	Sawmills Park AA	25	2.0	0.2
	Rhodhiss AA	29	1.9	0.1
	Sub-Total		162	2.0
Lake Hickory	Bud Geitner Park	16	2.1	0.2
	Glenn C. Hilton Park	4	2.0	0.0
	Gunpowder AA	16	1.7	0.3
	Lovelady AA	49	2.0	0.1
	Wittenburg AA	95	1.9	0.1
	Dusty Ridge AA	18	1.9	0.2
	Oxford AA	53	1.9	0.1
	Oxford Canoe Portage	12	1.9	0.2
	Sub-Total		263	1.9
Oxford Regulated River Reach	Riverbend Park	11	1.9	0.2
	Sub-Total		11	1.9
Lookout Shoals Lake	Sharon AA	17	2.2	0.2
	Lookout Shoals AA	32	2.0	0.1
	Sub-Total		49	2.0
Lookout Shoals Regulated River Reach	Lookout Shoals Tailrace Fishing Area	7	2.1	0.3
	Sub-Total		7	2.1
Lake Norman	Hunsucker Park	3	2.0	0.0
	Long Island AA	30	1.9	0.2
	Lake Norman State Park	48	2.0	0.0
	Stumpy Creek AA	28	1.9	0.2
	Pinnacle AA	49	2.0	0.1
	McCrary Creek AA	36	1.9	0.1
	Marshall Fishing Area	16	2.0	0.0
	Hager Creek AA	22	2.0	0.2
	Little Creek AA	33	1.8	0.1
	Roosevelt Wilson Park	6	2.0	0.0
	Beatty's Ford AA	40	1.9	0.1
	Jetton Road County Park	17	1.9	0.2
	Ramsey Creek AA	32	2.0	0.1
	Blythe Landing County Park	36	2.0	0.1
	McGuire Fishing Area	33	2.0	0.0
Sub-Total		429	1.9	0.0

**Catawba-Wateree Relicensing Recreation Use and Needs Study -
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Table SD.23 Satisfaction with Water Levels (Public Area Visitors)

Lake/River Reach	Public Recreation Area	N	Avg	95% Confidence
Mountain Island Lake	Cowans Ford Wildlife Refuge	4	2.0	0.0
	Neck Road AA	38	2.1	0.1
	Latta Plantation County Park	40	2.1	0.1
	Riverbend AA	52	2.0	0.1
	Sub-Total	134	2.0	0.0
Lake Wylie	Mountain Island River Park and Mountain Island Tailrace Fishing Area	31	2.0	0.0
	Mount Holly River Street Park	5	2.0	0.0
	Allen Fishing Area	24	2.0	0.0
	South Point AA	69	2.0	0.1
	Copperhead AA	47	1.8	0.1
	Buster Boyd AA	93	1.9	0.1
	McDowell Park	44	1.9	0.1
	Allison Creek AA	78	2.0	0.1
	Ebenezer Park AA	85	1.9	0.1
	Nivens Creek AA	59	2.0	0.1
	Sub-Total	535	1.9	0.0
Wylie Regulated River Reach	Fort Mill AA	30	1.9	0.2
	Rock Hill River Park	35	2.0	0.2
	Landsford Canal State Park	36	1.9	0.1
	Sub-Total	101	1.9	0.1
Fishing Creek Reservoir	Highway 9 Landing	19	1.7	0.3
	Cane Creek AA	18	2.2	0.2
	Fishing Creek AA	25	1.9	0.2
	Sub-Total	62	1.9	0.1
Cedar Creek Reservoir	Stumpy Pond AA	11	1.9	0.4
	Debutary Creek AA	16	1.9	0.3
	Sub-Total	27	1.9	0.2
Lake Wateree	Cedar Creek AA	30	2.0	0.1
	Wateree Creek Bridge	2	2.0	0.0
	Wateree Creek AA	11	1.7	0.3
	Taylors Creek AA	25	1.9	0.2
	Taylors Creek Bridge	1	2.0	-
	Lake Wateree State Park	35	1.9	0.1
	Dutchman's Creek Bridge	8	2.0	0.0
	June Creek AA	36	2.0	0.2
	Beaver Creek Landing	21	1.9	0.2
	Colonel's Creek Bridge	8	2.0	0.0
	Colonel's Creek AA	20	1.9	0.1
	White Oak Creek AA	43	2.0	0.1
	Buck Hill AA	31	1.9	0.1
Sub-Total	271	1.9	0.0	
Wateree Regulated River Reach	Lugoff AA	52	2.0	0.2
	Highway 1 Landing	19	2.2	0.3
	Billy Tolar Landing	1	2.0	-
	Sub-Total	72	2.1	0.1
Project Total		2303	2.0	0.0

**Catawba-Wateree Relicensing Recreation Use and Needs Study -
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**Table SD.24a Are the Boating Service Facilities Adequate on Your Lake?
(Marina Operators)**

Lake/River Reach	Boating Service Facilities Adequate?	Facility Needed
Lake Norman	No	Gas pump-out station
	No	Boat repair

Note: 24 of 34 marina operators returned surveys. 21 answered 'Yes' to to this question; 2 answered 'No'; 1 respondent did not answer the question.

Catawba-Wateree Relicensing Recreation Use and Needs Study - Supporting Documentation

Table SD.24b Are Existing Recreation Policies Adequate? (Marina Operators)

Lake/River Reach	Recreation Policies Adequate?	Recreation Policies Needed
Lake Hickory	No	Need no wake zone
Lake Norman	No	No wake buoys installed by the Marine Commission unnecessarily restrict boating in our cove.
Lake Wylie	No	More markers at Buster Boyd Bridge. No wake zone.
Lake Wylie	No	More patrol on weekends

Notes: 24 of 34 Recreation Providers returned surveys. 19 Answered 'Yes' to question 12; 4 answered 'No'; and 1 did not answer the question.

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Table SD.24c Are Existing Recreation Facilities and Recreation Opportunities Adequate? (Marina Operators)

Lake/River Reach	Recreation Facilities & Opportunities Adequate?	Recreation Facility or Opportunity Needed
Lake Wylie	No	More public boat ramps. Duke Power closed about 6 ramps in the 80's.
	No	1. More water front restaurants (currently only 1) 2. Public beaches (currently there are none)
Lake Norman	No	1. New Store. 2. New boat slips.
	No	1. Pro boat races. 2. Wakeboard contests.
	No	Public boat launching ramps & parking for same.

Note: 24 of 34 marina operators returned surveys. 16 answered 'Yes' to this question and 5 answered 'No'. 3 respondents did not answer the question.

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Table SD.24d What Recreation Policies are Needed if Current Policies are Inadequate (Stakeholders)

Note: 120 surveys were returned completed. Of those, 37 indicated that the current recreation policies were adequate; 14 respondents did not answer the question or indicated they did not know if they were adequate or not; 69 respondents indicated the policies were not adequate and provided information as to what policies are needed.

Recreation Policy Needed
General policy enforcement
Have ability to enforce existing policies
Limited public access and amenities creates atmosphere of violation.
Litter enforcement policy with high fines for littering.
More enforcement of state/local water safety regulations
More signs restricting certain activities are needed
There needs to be better enforcement of laws & rules
Noise ordinance.
Policies are inadequate if they are not enforced
Policy and law enforcement needed.
The Commissioners have discussed the need for regulations on camping, home steading, and littering. The Commission has formed an ad hoc committee to study the on-going concerns. Duke Power will be asked to participate at some level.
The rules are not enforced. The islands are trashed and huge jet boats fly across the lakes
Too many off limits areas - need to work more with local agencies to promote water use activities through regulation and supervision, not total off limit areas.
Camping related
A number of people want a place to camp. A controlled & maintained place is needed.
A permitted camping policy with revocation of permit for littering.
A program encouraging leave no trace camping on the islands.
Camping is not permitted.
Camping policies should be more liberal
I do not agree with the no island camping policy. It should be changed.
I would suggest changing the policy on islands to permit camping and to provide trash/picnic tables
Camping on islands should be facilitated, not prohibited(policy doesn't work anyway, no enforcement)
Island camping allowed with proper oversight.
Island camping is common-no clean-up
Island park and camping destinations should be created.
More camping areas needed.
Would like to see more opportunities for camping
We need approved shoreline camping sites
Need opporunities for "boating-to-island" campsites
People camp all over on Lake James. No one kicks them out because there is no place for them to go.
People camp on Sunset Island off Windjammer Park and seem to be well behaved and have fun. Rarely full.
Need to have more camping areas.
No camping and no swimming areas need to be clarified
Presently a great deal of unauthorized/unsupervised island and shoreline camping exists. Litter and pollution is significant.
No camping and trespassing on bird sanctuary islands.
No island camping and
No island camping is not enforced.
Some island camping should be allowed.
Some islands seem good candidates for limited camping by permit only.
Review of island camping policies!
The no camping rules are not enforced on Mt.Island Lake & as a result, we have a bad litter problem including human waste, discarded car batteries & fuel cans
There should be a canoe/camping trail on the Upper Catawba River trail

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Table SD.24d What Recreation Policies are Needed if Current Policies are Inadequate (Stakeholders)

Recreation Policy Needed
Island related
There are no regulations for the islands, resulting in trash, hazardous waste, and abuse of sites (tree cutting, no latrine protocols).
There needs to be a few islands that are managed for public recreation use. Some of the largest islands would be good for this.
Swimming related
General public needs shallow wading swimming areas.
Need areas to swim(beach access);
No-wake zone related
Better enforcement of no-wake
Adopt fee schedule policy for power boats \$10.00 per 1 horse power- 1 time fee.
All policies need to be reviewed on a regular basis to assure that they are meeting recreational demands.
Better and more law enforcement.
More no-wake zones are needed for Lake Hickory
More no-wake zones, No boating at all during High Water 101-102, enforce No camping
More enforced no-wake zones in coves needed
We need better definition of no-wake zones.
We need more no-wake zones in coves & selected shoreline in deference to fishermen & for canoe safety
Need for more no-wake zones
Need no-wake zones for other lakes similar to Lake Norman(legislative process is bureaucratic & enforcement is inconsistent)
More support for no-wake zones in coves/Lake Watree - shoreline erosion and property damage
Need to add more no wake zones and ENFORCE!
Need to know which "no-wake" zones are legal and where bouys have been illegally placed.
There are several residents that have voiced need for no wake signs in their coves.
No-wake zones are not enforced
Island access on Lakes and River Sections - more no wake zones in coves on Lake James
No-wake zones need to be clarified
Better definition of no-wake areas around docks & moored boats.
Boating related
Boat size and speed may need to be restricted.
Boat size limitations
Boat size limits
Horse power limits - enforcement of noise law N.C. Statues 75a.9. and 9.1 Cigarette boats are destroying the lake.
No watercraft exhaust above the water
Channels for non motorized boats may be needed. Onboard toilets should be capped to prevent discharge into waters
Float plan policies needed on open river particularly below Lake Wylie, 23 miles to Landsford Canal with information signs about mileage, and safety on the river.
Increased/Improved hazard marking on lakes
Need policies to restrict boating on the lake when water levels are at or above a specified flood level - eliminate all walls that increase damage of high waters.
Need policy of access available between high and low water.
Safe boating areas.
Sailboats/canoes/kayaks vs. Power boats
There has been dispute over rafting issues (ie Cocktail Cove)
Areas for non-motorized boating only.

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Table SD.24d What Recreation Policies are Needed if Current Policies are Inadequate (Stakeholders)

Recreation Policy Needed
Flow related
Provide instream flows to riverine reaches to enhance riverine & tailwater fisheries
Providing release schedule & information to public via internet & toll free number
Recreational flow releases to river reaches
Scheduled recreation releases to riverine reaches being evaluated by the Recreation study team. Downstream flows provided to riverine reaches to enforce tailwater/downstream fisheries.
Scheduled releases to riverine reaches
Pooling/Peaking of Lake Wylie interferes with recreational use of Catawba by people through introduction of water safety concerns
Hunting related
No duck hunting for 2 miles, below Oxford Dam(Bald Eagles -Riverbend in that area)
Ban on duck hunting 2-4 miles below Oxford Dam (Bald Eagles at River Bend Park).
Waterfowl hunting is very restricted due to various state/local laws.
Fishing related
Cleanliness of public fishing areas is an issue (trash and erosion)
Fishing allowed on all water (unless required by DHEC/DNR/project persons).
Need increased fishing areas(docks/piers)
Other related
More public access.
Move picnic sites.
No trash in water or on shore.
Public use of islands/shoreline continues to increase debris/waste; state park under utilized.
The existing policy of not providing any type of restrooms or trash receptacles at most access areas is not adequate. Restrooms & trash collection at these areas needed.
To address safety issues, Duke should take a leadership role in working with the marine commissions and the state to modernize state marine laws, which are inadequate in addressing current boating practices.