

Carlyle Lake Visitor Profile: Experiences, Benefits, and Opportunities

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EXECUTIVE SUMMARY

Purpose

A multiple year project to understand visitor and community benefits, values, and conflict at US Army Corps of Engineers (CE) recreation areas was undertaken by the University of Minnesota (UofMN) and CE. This first effort focused on the Kaskaskia watershed area (KWA) in Illinois (Kaskaskia River, Carlyle Lake, Lake Shelbyville, and the Navigation project) and included onsite visitor questionnaires, marina member questionnaires, community member interviews, and community surveys. This report focuses on visitor experiences at Carlyle Lake, Illinois.

Methods

The methods for the on-site and mail questionnaires implemented at Carlyle Lake are presented in the following sections: study site, sample, questionnaire, and analysis.

Study Site

Carlyle Lake, located in southwestern Illinois, stretches 83 miles through Clinton, Bond, and Fayette counties. The 26,000 acres of surface area create the largest human-made reservoir in Illinois. It includes three marinas, five campgrounds, four beaches, two state parks, and a state fish and wildlife area. Carlyle Lake provides a variety of recreation opportunities throughout the four seasons and hosts more than 2.8 million visitors annually.

Sample and Sampling

Carlyle Lake visitors with a range of interests in outdoor recreational activities were the target sample. Visitors were systematically selected in 2003 and 2004 through an onsite contact at four locations: campgrounds, spillway areas, day use/sightseer areas, and boat ramps. Onsite questionnaires were administered across 16 days of sampling with sampling times varying to maximize user variability. Visitors were invited to participate in a mail survey at the time of contact.

Questionnaire

Onsite: An onsite questionnaire was designed, approved by Office of Management and Business (OMB) and by the UofMN Institutional Review Board (IRB), and pretested in 2003.

Questionnaire sections focused on: (1) experience use history with the CE area, (2) place attachment to the CE area, and (3) demographics.

Mail: An eight-page questionnaire was designed, approved by OMB and UofMN IRB, and pretested in 2003. Potential respondents received this eight-page questionnaire and introductory letter in the mail. The letter explained the purpose of the questionnaire and ensured anonymity and confidentiality. Questionnaire sections focused on: (1) desired and attained benefits, (2) primary areas for benefit achievement, (3) crowding expectations and preferences, including satisfaction and conflict, and (4) value of CE area.

Analysis

Data were entered, cleaned, and checked for singularity and multicollinearity in SPSS version 11.5. In addition, extreme outliers were Winsorized to bring highly skewed variables into usable ranges. Descriptive analysis provided means, standard deviations, and frequencies to describe the sample and provide information on variables of interest. Cronbach alpha's assessed scale reliability for place identity and place dependence dimensions. To identify benefit factors, principal components factor analysis was used with standard criteria of eigen values greater than one, factor loadings 0.40 or greater, and meaningful structure. Fourteen items failed to load or cross-loaded and were eliminated from further analysis. Subsequently, caution with interpreting the benefit factors is encouraged. Correlations identified the relationship between benefit importance and attainment. Attainment was examined for the group overall as well as only for those that rated the benefit as important. Only benefits that were both important and attained were mapped.

Results

Summer 2003:

Response Rate

Onsite: Of the 1,121 visitors contacted, 83 percent (n=930) agreed to complete the onsite questionnaire. Those who did not participate typically indicated they were not interested, did not have enough time, or did not read/speak English.

Mail: Five hundred thirty-two respondents included their name to receive the mail questionnaire. A modified Dillman (2000) technique resulted in a 45.7 percent response rate (n=232). A nonresponse bias check was employed and indicated respondents had stronger place attachment and longer visitation histories than nonrespondents.

Respondents

The majority of respondents were middle-aged, Anglo, and possessed average education and income status. Respondents ranged in age from 18 to 90 years, with a mean age of 45.44 years. Survey respondents were primarily male (57.0 percent), Caucasian (82.8 percent), with either high school or some college education (36.3 percent high school/GED, 28.9 percent with some college education), and reported an annual income (before taxes) less than \$50,000 (48.5 percent).

Experience Use History

The vast majority of respondents (90.4 percent) were repeat visitors with an average of 29.73 total visits. The 12 months prior to respondent contact, respondents indicated an average of 12.58 visits. Most frequently, respondents first visited Carlyle Lake between 16 and 20 years ago (1983-1987; 15.1 percent).

Visit Characteristics

When contacted, respondents indicated they participated in one of three main activities: fishing, camping, or swimming (33.7, 24.1, and 11.8 percent, respectively). Respondents' group size ranged from one to more than ten. Adult groups included, on average, 2.80 adults and those with children, an average of 2.77 children. Most frequently, respondents were with immediate family (47.1 percent). Day users stayed an average of 4.59 hours (n=502) while overnight visitors stayed an average of 4.92 nights (n=372).

Important and Attained Benefits

Of the 26 benefit items assessed, four were rated as important by Carlyle Lake visitors: "to do something with my family," "to enjoy the scenery of the lake," "to get away from the usual demands of life," and "to relax physically." All benefits were at least partially attained. Significant but weak to moderate positive correlations existed between benefit item importance and attainment.

Three benefit factors emerged (in order of importance): learning, experiencing nature alone, and recreating with similar people. The factors explained 62.3 percent of the variance and each had a Cronbach's alpha 0.70 or above. However, 14 of the 26 items failed to load and therefore, results should be interpreted cautiously. In particular, although learning explained most of the variance, about one-third of the respondents attained the experience. No differences in benefit factor importance emerged among participants engaged in three primary activities (camping, fishing, and swimming). All benefits were most frequently obtained in section one, near Carlyle. Benefits were most frequently attained in map sections one (east and west access near Carlyle) and three (between Coles Creek and Boulder), followed somewhat distantly by sections four (encompassing Hazlet State Park) and two (including South Shore State Park). Learning was most frequently attained in section one, but followed consistently by section two. Experiencing nature alone was most frequently attained in section one, but followed consistently by section four and three. Recreating with similar people was most frequently attained in section one, but followed consistently by section three.

Satisfaction

Overall, respondents indicated Carlyle Lake visit satisfaction. Nearly all respondents (94.2 percent) were satisfied or very satisfied with their visit. Of the individual sites listed, picnic areas had the highest satisfactory rating among those who visited them. The site area with the lowest satisfaction was the water level.

Mirroring the overall visit satisfaction, none of the 28 problem items attained even a moderate problem rating. Only two of the 28 potential problems were rated above 2: "not enough firewood" and "fluctuation in water." Carlyle Lake respondents indicating something interfered with their experience were 23.4 percent. Forty percent or more of the respondents did not visit picnic areas, trails, beaches, or boat launches.

Crowding Perceptions & Preferences

Crowding expectations were near or about as expected for all areas. Survey respondents reported crowding expectations were most exceeded at the campsites yet this was still about as they expected. Crowding expectations were less than expected on trails.

For those who had a preference for the number of people at the site, crowding preferences were most exceeded at campsites, although this was still about as preferred. The number of people at Carlyle Lake during survey respondent visits neither added to nor detracted from about 50 percent of respondents' visit. However, the number of people actually added a lot to the enjoyment of 13.1 percent of respondents' experiences and detracted a lot from 3.2 percent of the respondents experiences.

Place Familiarity, Value, and Attachment

Not surprisingly, of the entire KWA, Carlyle Lake survey respondents were most familiar with Carlyle Lake. Generally, visitors indicated little to no familiarity with the rest of the river components although 20.5 percent indicated they had visited Lake Shelbyville. Respondents agreed that the Lake was important economically to the area and that its recreation use, specifically, was important.

Moderate place attachment was indicated by respondents. The average place dependence scale score was 3.16 on a scale from 1 to 5 with 5 indicating moderate place dependence. Respondents most strongly agreed with the statements "Doing what I do at this lake is more important to me than doing it any other place" and "This lake is the best place for what I like to do." Respondents most strongly disagreed with the statements "The things I do at this lake I would enjoy doing just as much a similar site" and "No other place can compare to this lake." The average place identity scale score was 3.42 on a scale from 1 to 5 with 5 indicating moderate place identity. Respondents most strongly agreed that "This lake means a lot to me" and "This lake is very special to me."

Boating Experiences

Of the 27 items that assessed boaters' experiences, respondents most strongly agreed "I intend to visit this lake again in the future," "I thoroughly enjoyed my boat trip that day," and "My boat trip was well worth the money I spent to take it." Respondents most strongly disagreed "I nearly had an accident on the lake because of crowded conditions," "I do not want to go on any more boat trips like that one," "If I had known what it was going to be like on that trip, I would not have come to the lake," "The noise of other boats reduced my enjoyment on the lake," and "There were too many houseboats on the lake."

Summer 2004:

Response Rate

Onsite: Of the 1,155 visitors contacted, 79.5 percent (n=918) agreed to complete the onsite questionnaire. Those who did not participate typically indicated they were not interested, did not have enough time, or did not read/speak English.

Mail: Four-hundred and seventy-two (448 after bad addresses) respondents included their name to receive the mail questionnaire. A modified Dillman (2000) technique resulted in a 51.3 percent response rate (n=230). A nonresponse bias check was employed and indicated respondents had stronger place attachment and longer visitation histories than nonrespondents.

Respondents

The majority of respondents were middle-aged, Anglo, and possessed average education and income status. Respondents ranged in age from 18 to 84 years, with a mean age of 43.73 years. Survey respondents were primarily male (65.7 percent), Caucasian (82.9 percent), with either high school or some college education (34.0 percent high school/GED, 27.3 percent with some college education), and reported an annual income (before taxes) \$50,000-\$74,999 (30.8 percent).

Experience Use History

The vast majority of respondents (94.4 percent) were repeat visitors with an average of 40.76 total visits. The 12 months prior to respondent contact, respondents indicated an average of 12.14 visits. Most frequently, respondents first visited Carlyle Lake between 6 and 10 years ago (1994-1998; 16.8 percent).

Visit Characteristics

When contacted, respondents indicated they participated in one of two main activities: fishing or, camping (43.7 percent and 19.7 percent, respectively). Another 10 percent engaged in motorboating. Respondents' group size ranged from one to more than ten. Adult groups included, on average, 2.76 adults and those with children, an average of 2.38 children. Most frequently, respondents were with immediate family (45.5 percent). Day users stayed an average of 5.12 hours (n=507) while overnight visitors stayed an average of 4.92 nights (n=368).

Important and Attained Benefits

Of the 26 benefit items assessed, four were rated as important by Carlyle Lake visitors: "to enjoy the scenery of the lake," "to do something with my family," "to get away from the usual demands of life," and "to relax physically." All benefits were at least partially attained. Significant but weak to moderate positive correlations existed between benefit item importance and attainment.

Four benefit factors emerged and were mapped: learning, experiencing nature alone, recreating with similar people, and achievement. The factors explained 71.77 percent of the variance and each had a Cronbach's alpha .75 or above. In particular, skill development explained most of the variance. Differences emerged among the three main recreational activities (fishing, camping, and motorboating) in two benefit factors: (1) campers and motorboaters rated achievement as less important than anglers and (2) anglers indicated recreating with similar people as less important than campers and motorboaters and campers less important than motorboaters.

All benefits were most frequently obtained in section one, near Carlyle. Benefits were most frequently attained in map sections one (east and west access near Carlyle) and three (between

Coles Creek and Boulder), followed somewhat distantly by section four (encompassing Hazlet State Park). Learning was primarily attained at map sections one and four. Experiencing nature alone was primarily attained at map sections three and four. Recreating with similar people was primarily attained at map sections one, three, and four. Achievement was primarily attained at map sections one and three.

Satisfaction

Overall, respondents indicated satisfaction with their CE visit. Nearly all respondents (94.6 percent) were satisfied or very satisfied with their visit. Of the individual sites listed, campsites had the highest satisfaction rating among those who visited them. The site area with the lowest satisfaction was the water level.

Mirroring the overall visit satisfaction, none of the 28 problem items even attained a moderate problem rating. Only one of the 28 potential problems was rated above 2: “not enough firewood.” However, about one-fourth (26.8 percent) of Carlyle Lake respondents indicated something interfered with their experience.

Crowding Perceptions and Preferences

Crowding expectations were near or about as expected for all areas. Survey respondents reported crowding expectations were most exceeded at the campsites yet this was still about as they expected. Crowding expectations were less than expected on trails.

For those who had a preference for the number of people at the site, crowding preferences were most exceeded at campsites, although this was still about as preferred. The number of people at Carlyle Lake during survey respondent visits neither added to nor detracted from about 57.4 percent of respondents’ visit. However, the number of people actually added a lot to the enjoyment of 12.1 percent of respondents’ experiences and detracted a lot from only 2.2 percent of respondents’ experiences.

Place Familiarity, Value, and Attachment

Not surprisingly, of the entire KWA, Carlyle Lake survey respondents were most familiar with Carlyle Lake. Generally, visitors indicated little to no familiarity with the rest of the river components although 18.2 percent indicated they had visited Lake Shelbyville. Respondents agreed that the lake was important economically to the area and that its recreation use, specifically, was important.

Place attachment, as measured by two dimensions of identity and dependence, was moderate among respondents. The average place dependence scale score was 3.13 on a scale from 1 to 5 with 5 indicating moderate place dependence. Respondents most strongly agreed with the statements “Doing what I do at this lake is more important to me than doing it any other place” and “This lake is the best place for what I like to do.” Respondents most strongly disagreed with the statements “The things I do at this lake I would enjoy doing just as much a similar site” and “No other place can compare to this lake.” Similarly, the average place identity scale score was

3.47 on a scale from 1 to 5 with 5 indicating moderate place identity. Respondents most strongly agreed that “This lake means a lot to me” and “This lake is very special to me.” Place attachment did not differ between respondents in activity groups and inconsistently related to experience use history.

Boating Experiences

Of the 27 items that assessed boaters’ experiences, respondents most strongly agreed “I intend to visit this lake again in the future,” “I thoroughly enjoyed my boat trip that day,” and “My boat trip was well worth the money I spent to take it.” Respondents most strongly disagreed “I nearly had an accident on the lake because of crowded conditions,” “If I had known what it was going to be like on that trip, I would not have come to the lake,” “I do not want to go on any more boat trips like that one,” and “There were too many houseboats on the lake.”

Shoulder Seasons:

All results will be listed in the order of fall 2003, spring 2004, and fall 2004 unless otherwise noted.

Response Rate

The majority of the visitors contacted agreed to complete the questionnaire, though response was better in 2004. Response rates were 55 percent (n=99), 88 percent (n=73), and 95 percent (n=162). Those who did not participate typically indicated they were not interested, did not have enough time, or did not read/speak English. Two factors may have contributed to the lower response rate in fall 2003: a simultaneous creel survey by Illinois Department of Natural Resources and the fact that agency personnel, rather than neutral university personnel, administered the questionnaire.

Respondents

General similarities emerged among the visitor demographics across the shoulder seasons, although spring visitors indicated lower incomes and education levels than the fall visitors. The majority of respondents were male, Caucasian, not Hispanic and reported an income (before taxes) less than \$75,000. Respondents ranged in age from 19 to 93 years, with average ages in the mid to late 40s. Most frequently, respondents either had attained a high school/GED education level or had attended some college. Most respondents had traveled 26 miles or more to get to the site, but about one-fifth of the respondents lived within five miles of the lake.

Experience Use History

Respondents were frequent and long-term lake visitors. The majority of respondents had previously visited Carlyle Lake. Of those who could remember and identify their total visits, in fall 2004, the average total number of visits was 32.67. Data are not reported on the total times visited for fall 2003 and spring 2004 due to a low response rate. The year of the first visit varied across seasons where fall 2003 respondents most frequently first visited Carlyle Lake between 16 and 20 years ago (1983-1987; 18.4 percent), spring 2004 respondents between 31 and 35 years ago (1969-

1973; 24.0 percent) and fall 2004 respondents between 6 and 10 years ago (1994-1998; 15.6 percent).

Visit Characteristics

Most frequently, respondents indicated they were either fishing or camping and in groups of about two family members. The majority of visitors were day users who stayed an average of four to five hours. Overnight visitors stayed an average of 5.25, 3.26 and 7.09 nights.

Place Attachment

Place attachment, as measured by two dimensions of identity and dependence, was moderate among Carlyle Lake respondents. The average place dependence scale scores were 3.13, 3.63, and 3.57 on a scale from 1 to 5 with 5 indicating strong place dependence. Comparably, the average place identity scale scores were 3.49, 4.41 and 4.09 on a scale from 1 to 5 with 5 indicating strong place identity.

Place Attachment and Experience Use History

Weak to moderate correlations were found between place attachment and experience use history measures. Overall, the relationships between experience use history items and the two place attachment dimensions occurred primarily with place identity. Similarly, place attachment did not significantly differ between two main activity groups (fishing and camping).

Discussion and Implications

Carlyle Lake visitor survey respondents were primarily middle-aged, non-Hispanic males, with high school or college educations and average income. Largely, these visitors reflect Illinois residents (US Census 2000) and the baby boomer generation and therefore, represents a growing visitor group in the next few decades. Although a rather homogenous group racially, visitor diversification may likely occur as the US population diversifies. This may be more critical among ACOE sites because 80 percent of ACOE sites are within 50 miles of a major metropolitan area that have a diverse population.

A greater number of respondents were day visitors rather than overnight guests. To enhance visits and increase lengths of stay, cooperation and collaboration with extant local tourism associations and visitor and convention bureaus could maximize resource expenditures and enhance visitor stays. One way to do this might be to emphasize more the natural and cultural tourism opportunities. A combination of additional nature-based activities and cultural/historic opportunities are likely to enhance experiences and extend wildlife viewing trips and vice versa.

The significant percent of visitors who fish at the CE projects is not surprising. Recreational fishing remains one of Americas' most frequently engaged in recreational activities (Cordell et al. 1999). However, Illinois is one of the top ten states that supplies state residents to other states for recreational fishing (Ditton et al. 2002). This supports that ACOE managers, specifically in

Illinois, should focus on anglers' place identity because residents are not highly dependent on ACOE resources.

Overall, respondents indicated moderate place attachment to the lake. Awareness of the place attachment is important as it has significant relationships to other variables. There are various ways to increase or apply place attachment. Williams and Stewart (1998), suggest place attachment can be increased by use of local names, management plans that address local names, understanding the variety of meanings of place, and understanding of local politics. As experience use history measures inconsistently related to place attachment, relying on them as indicators of place attachment is not advisable. However, monitoring place attachment and its evolution through visitor experiences is suggested to enhance visitor understanding as well as future support for management.

Respondents ascribed importance to four benefit items from their Carlyle Lake experiences: view lake scenery, be with family, escape, and relax. Attention to visual resource management and family programming could enhance these important benefits and, at the very least, work to sustain the experience opportunity.

All benefits were at least partially attained. These were attained most frequently in the areas near the dams and recreation areas. Several benefit factors emerged: learning, experience nature alone, achievement, and recreating with similar people. Differences in the importance of achievement and socialization between boaters, campers and anglers are not unexpected.

Understanding visitor travel patterns would be informative to better understand benefit attainment. For instance, is visitor travel purposeful for benefit attainment or, conversely, are benefits attained in these areas because that is where the visitors travel? Future qualitative research could uncover some of this information as could additional surveys that simultaneously measure benefit importance, attainment, and travel.

Visitors were very satisfied with their visit and the site attributes at Carlyle Lake. Subsequently, it appears their expectations are well matched with the experience provided at the CE site. Nonetheless, it is informative to continue monitoring potential problems such as the water level and firewood. Similarly, managers need to determine, with visitors, at what point interference becomes acceptable. The number of people equally enhanced and detracted from visitor enjoyment, and therefore, making sure visitor density expectations are accurate remains important. Further, these potential problems provide educational opportunities to explain and setting expectations for water fluctuations. From this data, recommendations and suggestions for indicators and standards will be developed.

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Introduction

As of 2004, the US Army Corps of Engineers (CE) managed 2 percent of all federal lands and waters. CE projects also support more than 20 percent of all federal land recreation opportunities. Benefits accruing to visitors and communities, and the value of these benefits as a result of their proximity to CE projects, can be significant as most CE projects are located within 50 miles of an urban center. Benefits-based management (BBM) is an emerging framework designed to incorporate outdoor recreation area values into a management framework (Anderson et al. 2000; Driver et al. 1996). Improving the way managers incorporate visitor and community benefit opportunity production into recreation land management is a major concern of both land managing agencies and academics. Specific benefit attainment at lake-based CE recreation projects, though critically important, remains unknown, as does benefit attainment to CE recreation project communities.

One factor potentially influencing benefit attainment is place attachment. “Place” is defined by Relph (1976, p. 29) as more than a simple description of an area’s location but multifaceted—a combination of “setting, landscape, ritual, other people, personal experiences, care and concern for home, and in the context of other places.” In a recreational context, place attachment consists of and is described by two primary dimensions, place dependence and place identity. Place dependence is defined as the potential for a place to satisfy the needs of an individual and how that place compares in need satisfaction compared to another place (Stokols and Shumaker 1981). In contrast, place identity is defined by Proshansky (1978, p.147) as “a subculture of the self-identity of the person consisting of, broadly conceived, cognitions about the physical world in which the individual lives.”

Although significant in the social sciences for years, only in the 21st century has place attachment been integrated with ecosystem management (Williams and Stewart 1998). Place attachment can be used as a noneconomical approach and recreation management tool to help understand the value of natural places (Warzecha and Lime 2001). Place attachment goes beyond simple activity or experience-based management and seeks to ascertain recreationists’ level of identification with or dependence on a particular setting (Moore and Graefe 1994). The emotional, symbolic, and spiritual values that place attachment represents have become significant in resource management as they “capture the connections between people and geographic areas directly rather than establishing such connections indirectly in the form of use and user characteristics” (Williams et al. 1992, p. 29).

Understanding a person’s place attachment to a specific recreational area can be useful for resource management. For instance, Warzecha and Lime (2001) found place attachment differences between users of two rivers in one management area and suggested that the agency consider different management strategies to meet differing visitor needs. Further supporting management attention to place attachment are Williams and Stewart (1998) who suggest managers “pay close attention to places that have special but different meanings to different groups” (p. 22) and use that knowledge to influence their management decisions.

Place attachment in recreation research has evolved since the mid-1980s with the first published empirical recreation research in 1992 (Williams et al. 1992). In the 1990s, outdoor recreation research social scientists adopted the concept of place attachment and developed a scale to measure it in outdoor recreation settings. Overall the study resulted in the development of a measurable scale for place attachment in recreational contexts (Williams et al. 1992; Williams and Roggenbuck 1989). More recently, Williams and Vaske (2003) tested the original scale and found each dimension was able to be differentiated and that they were generalizable and measurable with as few as four items.

One variable frequently studied in relation to place attachment is experience use history (Williams et al. 1992; Moore and Graefe 1994; Bricker and Kerstetter 2000; Williams and Vaske 2003; Backlund and Williams 2004; Moore and Scott 2003; Hammitt et al. 2004). Individual analysis reveals a positive relationship between experience use history and place attachment although Backlund and Williams' (2004) meta-analysis indicates they are weak to moderate correlations. Moore and Graefe (1994) revealed that place identity and place dependence differed in which experience use history items best predicted them. Specifically, place identity was best predicted by how long users have been associated with the place and the importance they ascribe to their place (i.e., trail) activity whereas place dependence was best predicted by the distance between the trail and the respondent's home and respondent's frequency of trail use.

As the idea of place attachment diffuses into resource management, identifying and understanding its relationship to other variables seems prudent. Further, given the possible link between strong place attachment and support for management actions and environmentally responsible behavior, it seems mandatory to collect baseline data for future monitoring among CE visitors and between CE sites.

Purpose

The overall purpose of this research is to understand CE area visitor and community recreation experiences with emphasis on benefit importance and attainment. In addition, this research is intended to provide management guidance to enhance opportunity provision at CE projects. Specifically, the research seeks to:

Objective 1: Evaluate CE recreation experiences and benefit attainment through a combination of qualitative and quantitative approaches with particular attention to carrying capacity, place attachment, and values;

Objective 2: Develop or refine social and biophysical indicators and standards of visitor, community, and resource quality;

Objective 3: Develop or refine management strategies, tactics, and actions to create or sustain recreation benefit opportunities; and,

Objective 4: Disseminate information and applications to planners, managers, and other interested audiences.

This report works to fulfill project objective one with a focus on Carlyle Lake visitor experiences.

Onsite Visitor Questionnaire Methods

A combination of onsite and mail questionnaires identified visitors and benefits important to them at Carlyle Lake. Lake visitors were systematically selected at one of four locations (campgrounds, spillway areas, day use/sightseer areas, and boat ramps) and invited to complete an onsite questionnaire. A mail questionnaire was sent to those respondents who provided their name and address. Conceptual and methodological details follow in sections focused specifically on the on-site questionnaire and mail questionnaire.

Study Site

Carlyle Lake stretches 83 miles through Clinton, Bond, and Fayette Counties in southwestern Illinois. As part of the Kaskaskia River watershed, Carlyle Lake was constructed and completed in 1967 to reduce flooding on the lower sections of the Kaskaskia River and the lower Mississippi River. The largest manmade reservoir in Illinois includes three marinas, five campgrounds, four beaches, two state parks, and a state fish and wildlife area.

The CE St. Louis District manages the Carlyle Lake in partnership with the Illinois Department of Natural Resources (ILDNR). Specifically, ILNDR leases Eldon Hazlet State Park and South Shore State Park from the CE.

Recreation areas include trails, campgrounds, beaches, day-use areas, boat ramps, barrier-free facilities, and the historical General Dean Suspension Bridge. Carlyle Lake provides a variety of recreation opportunities throughout the four seasons: fishing, sailing, and hunting are primary activities, but other opportunities include golfing, bird watching, hiking, boating, swimming, exercising, interpretive tours, and special events (sailing competitions).

Carlyle Lake has an average of 2.8 million visitors annually. The catchment area that benefits from the proximity to Carlyle Lake includes Carlyle, Vandalia, Greenville, Trenton, Salem, Breese, Centralia, and the St. Louis Metro area. Carlyle Lake, combined with other watershed components, contributes more than \$35 million to the economy annually and prevented approximately \$616 billion in flood damages since the completion of the reservoirs (www.mvs.usace.mil/recreation).

Questionnaire

A two-page questionnaire was designed, tested, and approved spring 2003. The onsite survey consisted of two sections (Appendix B). The first section focused on the Carlyle Lake visit with

details on length of stay, visit frequency, group description, main recreation activity, place attachment, and place identity.

Place attachment followed past research (Williams and Vaske 2003) and used six items to measure each of the place dependence and place identity items, where respondents indicate their agreement on a scale of one to five, with five equaling strongly agree.

The second section focused on respondents and included education, ethnicity, race, language use, income, gender, age, and contact information for mail survey. OMB and UofMN Institutional Review Board's approved the questionnaire (Appendix A). The questionnaire was pretested among 30 CE visitors in June 2003 with no particular problems noted.

Sampling

This questionnaire was presented to systematically selected visitors at Carlyle Lake June through August summer 2003 and 2004, September and October fall 2003 and 2004, and April and May spring 2004. Visitors were approached at one of four areas (campgrounds, spillway areas, day use/sightseer areas, and boat ramps) and invited to complete the onsite questionnaire by trained University of Minnesota graduate research assistants.

Analysis

Survey data were entered into SPSS version 11.5, cleaned, and checked for singularity and multicollinearity. Descriptive analysis provided means, standard deviations and frequencies to describe the sample and variables of interest.

Place attachment dimensions (place dependence and place identity) were assessed for reliability using Cronbach's alpha. Scale items were combined into one overall score for each respondent's place dependence and place identity scale.

Results

Summer 2003:

Response Rate

A total of 930 agreed to participate, three were unusable and therefore a response rate of 82.7 percent resulted (n= 927; Table S1.1).

Table S1.1. Response rate among Carlyle Lake visitor onsite questionnaire respondents, summer 2003.

	n	%
Onsite	1,121	
Nonresponse	191	
Unusable	3	
Usable questionnaires	927	82.7

Respondents

Survey respondents were primarily male (57.0 percent), Caucasian (82.8 percent), not Hispanic (95.1 percent) and reported an income (before taxes) less than \$50,000 (48.5 percent; Table S1.2). Respondents ranged in age from 18 to 90 years, with a mean age of 45.44 years. About one-third of respondents were more than 50 years of age (34.5 percent). Respondents most frequently had at least a high school/GED education level (36.3 percent) and 28.9 percent had attended some college.

Table S1.2. Demographic characteristics among Carlyle Lake visitor onsite survey respondents, summer 2003.

Demographic characteristic	Frequency	%
Age in years (n = 863; \bar{M} = 45.44)		
18 – 30	159	18.4
31 – 40	191	22.1
41 – 50	215	24.9
51 – 60	120	13.9
61 – 70	125	14.5
>71	53	6.1
Total	863	99.9
Education level (n = 914)		
Eighth grade	19	2.1
High school/GED	332	36.3
Tech school	52	5.7
Some college	264	28.9
College degree	193	21.1
Advanced degree	54	5.9
Total	914	100.0
Ethnicity (n = 575)		
Not Hispanic or Latino	547	95.1
Hispanic or Latino	28	4.9
Total	575	100.0
Race ¹ (n = 931)		
White	771	82.8
Black or African American	83	8.9
American Indian or Alaska Native	44	4.7
Other	15	1.6
Asian	13	1.4
Native Hawaiian or other Pacific Islander	5	0.5
Total	931	99.9
Language speak most of time (n = 919)		
English	898	97.7
Other	13	1.4
Spanish	8	0.9
Total	919	100.0

Demographic characteristic	Frequency	%
Language read most of the time (n = 916)		
English	902	98.5
Other	8	0.9
Spanish	6	0.7
Total	916	100.1
Income (before taxes) (n = 797)		
Less than \$5,000	21	2.6
\$5,000-9,999	8	1.0
\$10,000-14,999	11	1.4
\$15,000-24,999	134	16.8
\$25,000-34,999	110	13.8
\$35,000-49,999	103	12.9
\$50,000-74,999	234	29.4
\$75,000-99,999	102	12.8
\$100,000-124,999	32	4.0
\$125,000-149,000	13	1.6
\$150,000-174,000	12	1.5
\$175,000 or more	17	2.1
Total	797	99.9
Gender (n = 919)		
Male	524	57.0
Female	395	43.0
Total	919	100.0

¹Respondents were able to check all applicable races

Carlyle Lake Visitation

The vast majority of respondents (90.4 percent) had previously visited Carlyle Lake. Of those who could remember and identify their total visits, the average total visits were 29.73 (Table S1.3). Most frequently, respondents had visited the lake between six to ten total times (19.1 percent). In the twelve months prior to onsite contact, respondents indicated an average of 12.58 CE trips to Carlyle.

Table S1.3. Past visitation of Carlyle Lake visitor onsite survey respondents, summer 2003.

First visitation (n = 927)	Frequency	%
No	838	90.4
Yes	89	9.6
Total	927	100.0
Total times visited (n= 471, \bar{M} = 29.73, S.D. = 35.16)		
1	8	1.7
2	34	7.2
3	39	8.3
4	30	6.4
5	33	7.0
6-10	90	19.1
11-15	31	6.6
16-20	40	8.5
21-25	14	3.0
26-50	60	12.7
51-100	48	10.2
>100	44	9.3
Total	471	100.0
Times in past 12 months (n = 704, \bar{M} = 12.58, S.D. = 22.0)		
1	103	14.6
2	100	14.2
3	91	12.9
4	68	9.7
5	48	6.8
6-10	123	17.5
11-15	51	7.2
16-20	33	4.7
21-25	10	1.4
26-50	36	5.1
51-75	10	1.4
76-100	12	1.7
>100	19	2.7
Total	704	99.9¹
Years visited (n = 784, \bar{M} = 15.85, S.D. = 11.34)		
1	50	6.4
2	58	7.4
3	46	5.9
4	30	3.8
5	37	4.7
6-10	115	14.7
11-15	87	11.1
16-20	118	15.1
21-25	68	8.7
26-30	82	10.5
31-35	62	7.9
>35	31	4.0
Total	784	100.2¹

¹ Does not equal 100 due to rounding

Trip Characteristics

Most frequently respondents engaged in fishing, camping, or swimming as their main recreational activity (33.7 percent, 24.1 percent, and 11.8 percent, respectively; Table S1.

4). Respondents' group size ranged from one to more than ten adults or children, with an average of 2.80 adults and an average of 2.77 children. Group sizes of two adults comprised 48.5 percent of respondent groups and groups that included two children comprised 30.8 percent of the respondent groups. Most often, family groups were visiting Carlyle (47.1 percent). Groups of friends or mixed groups of family and friends each comprised one-fifth of groups.

Visitation was rather evenly split among day and overnight guests, although day users had the slight majority (59 percent). Day users stayed an average of 4.59 hours (n=502). Overnight visitors stayed an average of 4.92 nights (n=372). Most frequently overnight respondents stayed at the lake for two or three nights (23 and 19.5 percent, respectively).

Table S1.4. Visit characteristics of Carlyle Lake visitor on-site survey respondents, summer 2003.

Main recreational activity (n=926)	Frequency	%
Fishing	312	33.7
Camping	223	24.1
Swimming	109	11.8
Relaxing/stress reduction	92	9.9
Motorboating	55	5.9
Sunbathing	31	3.3
Picnicking	26	2.8
Jet skiing	24	2.6
Bicycling	11	1.2
Other	10	1.1
Sailing	8	0.9
Walking/hiking	8	0.9
Waterskiing	7	0.8
Observing/Photographing wildlife or nature	5	0.5
Driving for pleasure	3	0.3
Horseback riding	1	0.1
Houseboating	1	0.1
Number of hours spent during day visit (n = 502, M = 4.59, S.D. = 1.95)	Frequency	%
1	17	3.4
2	59	11.8
3	71	14.1
4	119	23.7
5	73	14.5
6-10	163	32.5
>10	9	1.8

Number of nights stayed (n = 374, M = 4.92, S.D. = 3.86)	Frequency	%
1	30	8.0
2	86	23.0
3	73	19.5
4	45	12.0
5	32	8.6
6-10	62	16.6
11-14	37	9.9
>14	9	2.4
Adult group size(n = 914, M = 2.80, S.D. = 1.57)	Frequency	%
1	131	14.3
2	443	48.5
3	98	10.7
4	83	9.1
5	37	4.0
6	40	4.4
>6	82	9.0
Child group size(n = 442, M = 2.77, S.D. = 1.71)	Frequency	%
1	120	27.2
2	136	30.8
3	62	14.1
4	37	8.4
5	24	5.4
6	16	3.6
>6	47	10.6
Group description (n = 920)	Frequency	%
Members of immediate family	433	47.1
Friends	188	20.4
Both friends and family	160	17.4
Alone	82	8.9
Other relatives	47	5.1
Other members of an organized group	10	1.1

Place Attachment

Place attachment consists of two dimensions: dependence and identity. Dependence details how much a visitor relies on a location for their activity whereas identity details how much a visitor identifies with a location.

The average place dependence scale score was 3.16 on a scale from 1 to 5 with 5 indicating strong place dependence (Table S1.5). Respondents most strongly agreed with the statements “Doing what I do at this lake is more important to me than doing it any other place” (\underline{M} =3.54) and “This lake is the best place for what I like to do” (\underline{M} =3.51). Respondents most strongly disagreed with the statements “The things I do at this lake I would enjoy doing just as much a similar site” (\underline{M} =2.41) and “No other place can compare to this lake” (\underline{M} =2.98).

The average place identity scale score was 3.42 on a scale from 1 to 5 with 5 indicating strong place identity (Table S1.6). Respondents most strongly agreed with “This lake means a lot to me” (mean=3.77) and “This lake is very special to me” (\bar{M} =3.49).

Table S1.5. Place dependence among Carlyle Lake visitor onsite respondents, summer 2003.

Scale items	\bar{M}^1	S.D.
Doing what I do at this lake is more important to me than doing it any other place. (n=904)	3.54	1.00
This lake is the best place for what I like to do. (n=900)	3.51	1.05
I get more satisfaction out of visiting this lake than any other. (n=893)	3.27	1.08
I wouldn't substitute any other area for doing the types of things I do at this lake. (n=906)	3.24	1.11
No other place can compare to this lake. (n=881)	2.98	1.13
The things I do at this lake I would enjoy doing just as much at a similar site. ² (n=909)	2.41	1.07
Scale (α =0.85)	3.16	0.80

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5 = strongly agree

² Reverse coded

Table S1.6. Place identity among Carlyle Lake visitor onsite survey respondents, summer 2003.

Scale items	\bar{M}^1	S.D.
This lake means a lot to me. (n=905)	3.77	0.95
This lake is very special to me. (n=902)	3.49	1.02
I am very attached to this lake. (n=908)	3.42	1.06
I identify strongly with this lake. (n=902)	3.39	1.03
Visiting this lake says a lot about who I am. (n=901)	3.28	1.04
I feel this lake is a part of me. (n=898)	3.18	1.08
Scale (α =0.94)	3.42	0.91

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5 = strongly agree

Summer 2004:

Response Rate

A total of 923 agreed to participate, 5 were unusable and therefore a response rate of 79.5 percent resulted (n= 918; Table S2.1).

Table S2.1. Response rate among Carlyle Lake visitor onsite questionnaire respondents, summer 2004.

	n	%
Onsite	923	
Nonresponse	237	
Unusable	5	
Usable questionnaires	918	79.5

Respondents

Survey respondents were primarily male (65.7 percent), Caucasian (82.9 percent), not Hispanic (95.0 percent) and reported an income (before taxes) \$50,000-\$74,999 (30.8 percent; Table S2.2). Respondents ranged in age from 18 to 84 years, with a mean age of 43.73 years. About one-third of respondents were more than 50 years of age (29.9 percent). Respondents most frequently had at least a high school/GED education level (34.0 percent) and 27.3 percent had attended some college. Based on zip codes, the majority of respondents' residential proximity is 26-50 miles from Carlyle Lake (47 percent) (Figures S2.1 and S2.2).

Table S2.2. Demographic characteristics among Carlyle Lake visitor onsite survey respondents, summer 2004.

Demographic characteristic	Frequency	%
Age in years (n =820; <u>M</u> =43.73)		
18 – 30	158	19.3
31 – 40	190	23.2
41 – 50	226	27.6
51 – 60	124	15.1
61 – 70	93	11.3
>71	29	3.5
Total	820	100
Education level (n =896)		
Eighth grade	15	1.7
High school/GED	305	34.0
Tech school	59	6.6
Some college	245	27.3
College degree	217	24.2
Advanced degree	55	6.1
Total	896	99.9¹
Ethnicity (n=319)		
Not Hispanic or Latino	303	95.0
Hispanic or Latino	16	5.0
Total	319	100
Race² (n =909)		
White	754	82.9
Black or African American	98	10.8
American Indian or Alaska Native	23	2.5
Other	16	1.8
Asian	18	2.0
Native Hawaiian or other Pacific Islander	0	0
Total	909	100
Language speak most of time (n =905)		
English	897	99.1
Other	7	0.8
Spanish	1	0.1
Total	905	100

Demographic characteristic	Frequency	%
Language read most of the time (n =902)		
English	897	99.4
Other	4	0.4
Spanish	1	0.1
Total	902	99.9¹
Income (before taxes) (n =708)		
Less than \$5,000	14	2.0
\$5,000-9,999	11	1.6
\$10,000-14,999	10	1.4
\$15,000-24,999	60	8.5
\$25,000-34,999	82	11.6
\$35,000-49,999	97	13.7
\$50,000-74,999	218	30.8
\$75,000-99,999	134	18.9
\$100,000-124,999	42	5.9
\$125,000-149,000	14	2.0
\$150,000-174,000	14	2.0
\$175,000 or more	12	1.7
Total	708	100.1¹
Gender (n =903)		
Male	593	65.7
Female	310	34.3
Total	903	100

¹ Does not equal 100 due to rounding

² Respondents were able to check all applicable races

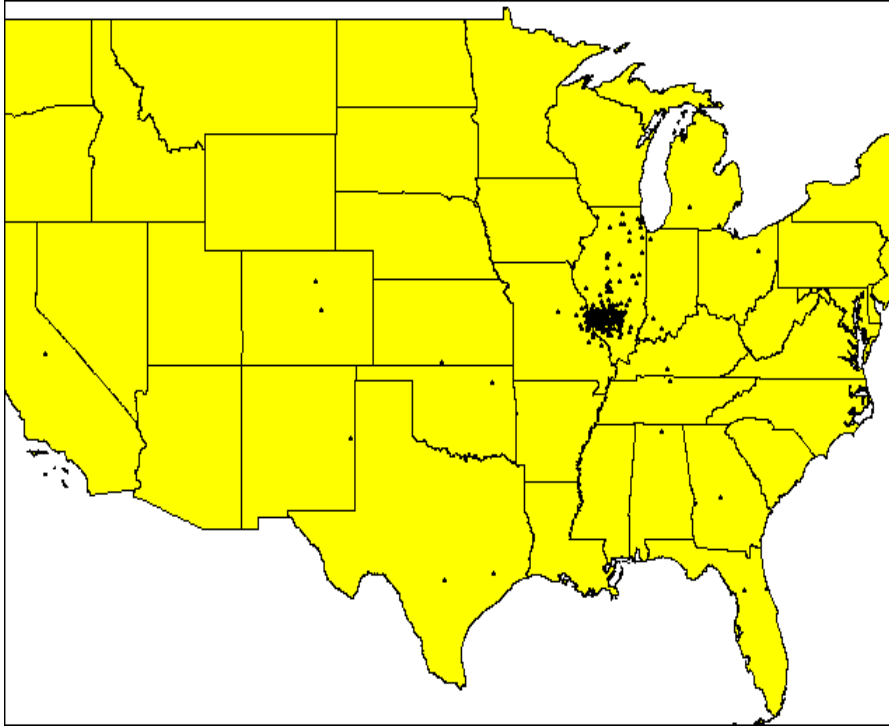


Figure S2.1 National representation of Carlyle Summer 2004 visitors by zipcode.

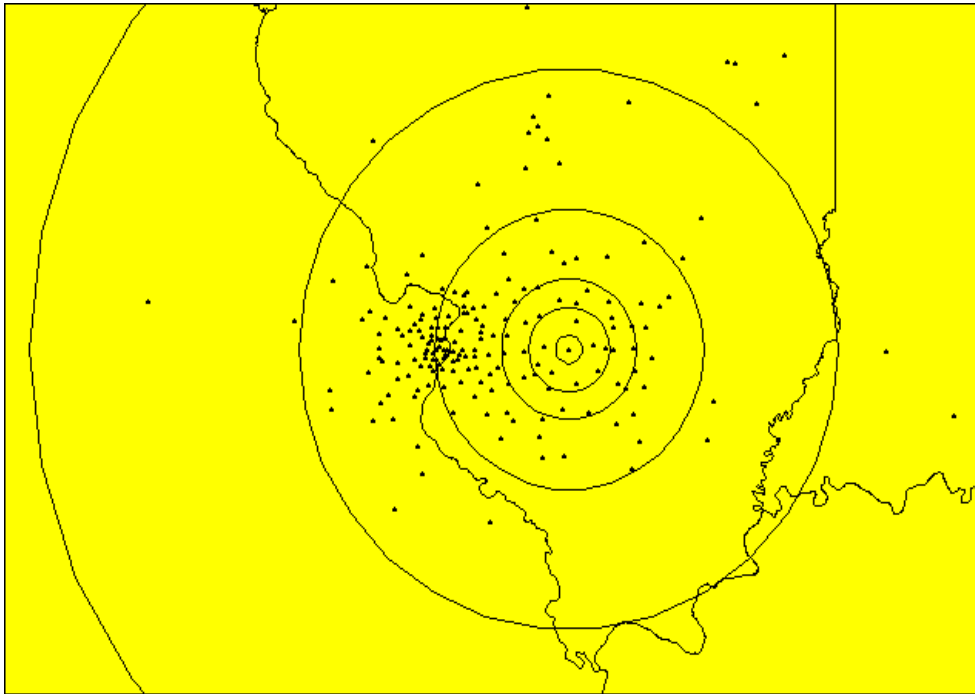


Figure S2.2. Percent of visitors by radius according to zipcode.

Carlyle Lake Visitation

The vast majority of respondents (94.4 percent) had previously visited Carlyle Lake. Of those who could remember and identify their total visits, the average total visits were 40.76 (Table S2.3). Most frequently, respondents had visited the lake between 26 to 50 total times or greater than 100 total times (15.9 percent). In the twelve months prior to onsite contact, respondents indicated an average of 12.14 trips to Carlyle.

Table S2.3. Past visitation of Carlyle Lake visitor onsite survey respondents, summer 2004.

First visitation (n =910)	Frequency	%
No	859	94.4
Yes	51	5.6
Total	910	100
Total times visited (n=541, M =40.76, S.D. =39.72)		
2	43	7.9
3	29	5.4
4	28	5.2
5	26	4.8
6-10	76	14.0
11-15	37	6.8
16-20	38	7.0
21-25	18	3.3
26-50	86	15.9
51-100	74	13.7
>100	86	15.9
Total	541	99.9¹
Times in past 12 months (n =755, M =12.14, S.D. =20.23)		
1	118	15.6
2	111	14.7
3	64	8.5
4	70	9.3
5	51	6.8
6-10	136	18.0
11-15	56	7.4
16-20	49	6.5
21-25	26	3.4
26-50	43	5.7
51-75	2	0.3
76-100	17	2.3
>100	12	1.6
Total	755	100.1¹
Years visited (n =774, M =16.15, S.D. =11.66)		
1	42	5.4
2	54	7.0
3	49	6.3
4	28	3.6
5	26	3.4
6-10	130	16.8
11-15	99	12.8

16-20	110	14.2
21-25	66	8.5
26-30	85	11.0
31-35	32	4.1
>35	53	6.8
Total	774	99.9¹

¹ Does not equal 100 due to rounding.

Trip Characteristics

Most frequently respondents engaged in fishing, camping, or motorboating as their main recreational activity (43.7, 19.7, and 11.5 percent, respectively; Table S2.4). Respondents' group size ranged from one to more than 10. Adult groups included an average of 2.76 adults and an average of 2.76 children. Group sizes of two adults comprised 46.2 percent of respondent groups and groups that included two children comprised 38.0 percent of the respondent groups. Most often, family groups were visiting Carlyle (45.5 percent). Groups of friends or mixed groups of family and friends each comprised one-fifth of groups.

Visitation was rather evenly split among day and overnight guests, although day users had the slight majority (59.4 percent). Day users stayed an average of 5.12 hours (n=507). Overnight visitors stayed an average of 4.92 nights (n=368). Most frequently overnight respondents stayed at the lake for two or six to ten nights (28.5 and 22.0 percent, respectively).

Table S2.4. Visit characteristics of Carlyle Lake visitor on-site survey respondents, summer 2004.

Main recreational activity (n=922)	Frequency	%
Fishing	403	43.7
Camping	182	19.7
Motorboating	106	11.5
Relaxing/Stress reduction	67	7.3
Swimming	38	4.1
Jet skiing	32	3.5
Waterskiing	21	2.3
Bicycling	13	1.4
Other	13	1.4
Walking/hiking	10	1.1
Picnicking	8	0.9
Using playgrounds	8	0.9
Sunbathing	7	0.8
Sailing	7	0.8
Driving for pleasure	3	0.3
Observing/Photographing wildlife or nature	2	0.2
Volleyball	1	0.1
Windsurfing/Sailboating	1	0.1
Total	922	100.1¹

Numbers of hours spent during day visit (n =507, M =5.12, S.D. =1.92)	Frequency	%
1	8	1.6
2	35	6.9
3	68	13.4
4	103	20.3
5	76	15.0
6-10	195	38.5
>10	22	4.3
Total	507	100
Number of nights stayed (n =368, M =4.92, S.D. =3.74)		
1	24	6.5
2	105	28.5
3	57	15.5
4	39	10.6
5	23	6.3
6-10	81	22.0
11-14	33	9.0
>14	6	1.6
Total	368	100¹
Adult group size(n =915, M =2.76, S.D. =1.56)		
1	151	16.5
2	423	46.2
3	95	10.4
4	99	10.8
5	34	3.7
6	48	5.2
>6	65	7.1
Total	915	99.9¹
Child group size(n =429, M =2.38, S.D. =1.39)		
1	125	29.1
2	163	38.0
3	58	13.5
4	40	9.3
5	20	4.7
6	11	2.7
>6	12	2.8
Total	429	100.1¹
Group description (n =919)		
Members of immediate family	418	45.5
Both friends and family	180	19.6
Friends	165	18.0
Alone	104	11.3
Other relatives	45	5.0
Other members of an organized group	7	0.8
Total	919	100.2¹

¹ Does not equal 100 due to rounding

Place Attachment

The average place dependence scale score was moderate: 3.13 on a scale from 1 to 5 with 5 indicating strong place dependence (Table S2.5). Respondents most strongly agreed with the statements “Doing what I do at this lake is more important to me than doing it any other place” (\underline{M} =3.51) and “This lake is the best place for what I like to do” (\underline{M} =3.49). Respondents most strongly disagreed with the statements “The things I do at this lake I would enjoy doing just as much a similar site” (\underline{M} =2.35) and “No other place can compare to this lake” (\underline{M} =2.93).

Similarly, the average place identity scale score was moderate: 3.47 on a scale from 1 to 5 with 5 indicating strong place identity (Table S2.6). Respondents most strongly agreed with “This lake means a lot to me” (\underline{M} =3.86) and “This lake is very special to me” (\underline{M} =3.51).

Place attachment (place dependence and place identity) did not differ by main recreational activity, when comparing respondents who were fishing, camping or motorboating,

Table S2.5. Place dependence among Carlyle Lake visitor onsite respondents, summer 2004.

Scale items	\underline{M}^1	S.D.
Doing what I do at this lake is more important to me than doing it any other place. (n=900)	3.51	1.07
This lake is the best place for what I like to do. (n=901)	3.49	1.08
I get more satisfaction out of visiting this lake than any other. (n=887)	3.26	1.11
I wouldn't substitute any other area for doing the types of things I do at this lake. (n=898)	3.19	1.11
No other place can compare to this lake. (n=873)	2.93	1.15
The things I do at this lake I would enjoy doing just as much at a similar site. ² (n=901)	2.35	1.02
Scale (α =0.83)	3.13	

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5 = strongly agree

² Reverse coded

Table S2.6. Place identity among Carlyle Lake visitor onsite survey respondents, summer 2004.

Scale items	\underline{M}^1	S.D.
This lake <u>M</u> s a lot to me. (n=901)	3.86	0.91
This lake is very special to me. (n=892)	3.51	1.04
I am very attached to this lake. (n=899)	3.48	1.04
I identify strongly with this lake. (n=887)	3.45	1.01
Visiting this lake says a lot about who I am. (n=882)	3.35	1.00
I feel this lake is a part of me. (n=881)	3.20	1.05
Scale (α =0.93)	3.47	

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5 = strongly agree

Place Attachment and Experience Use History Correlations

Weak correlations were found between place attachment and experience use history measures (Table S2.7). Although place identity consistently related to experience use, the relationship was weak. Similarly, dependence correlated to two experience use measures, but only weakly.

Table S2.7. Correlations between place attachment and experience use history items among Carlyle Lake visitors.

Variables	Place identity	Place dependence	Visits last 12 months	Total visits	Number of years visiting
Place identity	1	.59**	.15**	.29**	.24**
Place dependence		1	.19**	.10*	.02
Visits last 12 months			1	.54**	.25**
Total visits				1	.50**
Number of years visiting					1

*Indicates significant correlation at .05 level

**Indicates significant correlation at .01 level

Shoulder Seasons:

All results will be listed in the order of fall 2003, spring 2004, and fall 2004 unless otherwise noted.

Response Rate

A total of 334 CE visitors agreed to participate in the onsite questionnaire (Table SH.1). Response rates may have been lowered due to the fact that agency personnel administered the questionnaire rather than neutral university individuals, as well as the fact that visitors may have completed the questionnaire in different seasons.

Table SH.1. Response rate among Carlyle Lake visitor onsite survey respondents, shoulder seasons.

	Fall 2003		Spring 2004		Fall 2004	
	n	%	n	%	n	%
Onsite	180		83		170	
Refused	79		7		1	
Unusable	2		3		7	
Usable questionnaires	99	55.00	73	88.00	162	95.29

Respondents

General similarities emerged among the visitor demographics, although spring visitors indicated lower incomes and education levels than the fall visitors. Survey respondents were primarily male Caucasian, not Hispanic and reported an income (before taxes) under \$75,000. Respondents ranged in age from 19 to 93 years with an average age mid to late 40s, although around 40 percent of respondents in each season were more than 50 years of age (Table SH.2). Most frequently respondents had either at least a high school/GED education level (47.9, 35.6, and 48.8 percent) or had attended some college (23.3, 38.4, and 24.4 percent). Respondents most frequently traveled between 26 miles or more to visit this site (Table SH.3, Figures SH.1-SH.3).

Table SH.2. Demographic characteristics among Carlyle Lake visitor onsite survey respondents, shoulder seasons.

Demographic characteristic	Fall 2003		Spring 2004		Fall 2004	
	Frequency	%	Frequency	%	Frequency	%
Age in years	n = 57; \bar{M} =49.96		n = 62; \bar{M} = 44.60		n=133; \bar{M} =46.55	
18 – 30	4	7.0	16	25.8	24	18.0
31 – 40	13	22.8	9	14.5	24	18.0
41 – 50	15	26.3	15	24.2	32	24.1
51 – 60	8	14.0	10	16.1	21	15.8
61 – 70	11	19.3	10	16.1	21	15.8
>71	6	10.5	2	3.2	11	8.3
Total	57	99.9	62	99.9¹	133	100.0
Education level	n=73		n=73		n=160	
Eighth grade	2	2.7	1	1.4	8	5.0
High school/GED	35	47.9	26	35.6	78	48.8
Tech school	4	5.5	4	5.5	14	8.8
Some college	17	23.3	28	38.4	39	24.4
College degree	14	19.2	10	13.7	18	11.3
Advanced degree	1	1.4	4	5.5	3	1.9
Total	73	100.0	73	100.0	160	100.0
Ethnicity	n = 36		n = 65		n=129	
Not Hispanic or Latino	36	100.0	63	96.9	125	96.9
Hispanic or Latino	0	0.0	2	3.1	4	3.1
Total	36	100.0	65	100.0	129	100.0
Race ²	n = 112		n = 70		n=162	
American Indian or Alaska Native	0	0.0	3	4.3	3	1.9
Asian	0	0.0	0	0.0	2	1.2
Black or African American	14	18.9	1	1.4	17	10.5
Native Hawaiian or other Pacific Islander	0	0.0	0	0.0	3	1.9
White	60	81.1	66	94.3	133	82.1
Other	0	0.0	0	0.0	4	2.5
Total	74	100.0	70	100.0	162	100.1¹
Language speak most of time	n = 73		n = 72		n=161	
English	73	100.0	72	100.0	159	98.8
Spanish	0	0.0	0	0.0	0	0.0
Other	0	0.0	0	0.0	2	1.2
Total	73	100.0	72	100.0	161	100.0
Language read most of the time	n = 73		n = 72		n=106	
English	73	100.0	72	100.0	158	98.8
Spanish	0	0.0	0	0.0	0	0.0
Other	0	0.0	0	0.0	2	1.3
Total	73	100.0	72	100.0	106	100.0¹

Demographic characteristic	Fall 2003		Spring 2004		Fall 2004	
	Frequency	%	Frequency	%	Frequency	%
Income (before taxes)	n = 66		n = 67		n=120	
Less than \$5,000	0	0.0	2	3.0	2	1.7
\$5,000-9,999	0	0.0	0	0.0	2	1.7
\$10,000-14,999	0	0.0	0	0.0	0	0.0
\$15,000-24,999	13	19.7	5	7.5	14	11.7
\$25,000-34,999	14	21.2	3	4.5	14	11.7
\$35,000-49,999	14	21.2	8	11.9	20	16.7
\$50,000-74,999	16	24.2	16	23.9	44	36.7
\$75,000-99,999	4	6.1	18	26.9	16	13.3
\$100,000-124,999	1	1.5	6	9.0	2	1.7
\$125,000-149,000	3	4.5	9	13.4	6	5.0
\$150,000-174,000	1	1.5	0	0.0	0	0.0
\$175,000 or more	0	0.0	0	0.0	0	0.0
Total	66	100.0	67	100.0	120	100.0
Gender	n = 73		n = 66		n=144	
Male	55	75.3	53	80.3	107	74.3
Female	18	24.7	13	19.7	37	25.7
Total	73	100.0	66	100.0	144	100.0

¹Does not equal 100 due to rounding

²Respondents were able to check all applicable races

Table SH.3. Percent of respondents by radius, shoulder seasons.

Radius	Fall 2003 (n=71)	Spring 2004 (n=70)	Fall 2004 (n=102)
	% of visitors	% of visitors	% of visitors
0-5 miles	24	21	15
6-15 miles	25	13	9
16-25 miles	4	9	13
26-50 miles	48	49	29
51+ miles	8	9	34

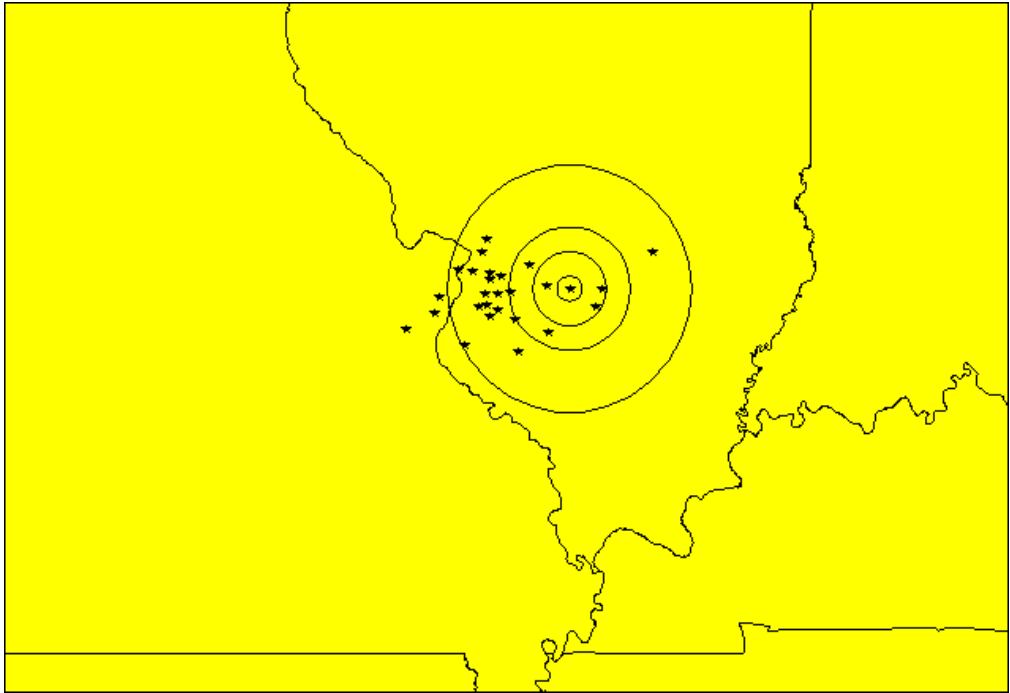


Figure SH.1. Percent of Carlyle Lake visitors by radius, fall 2003.

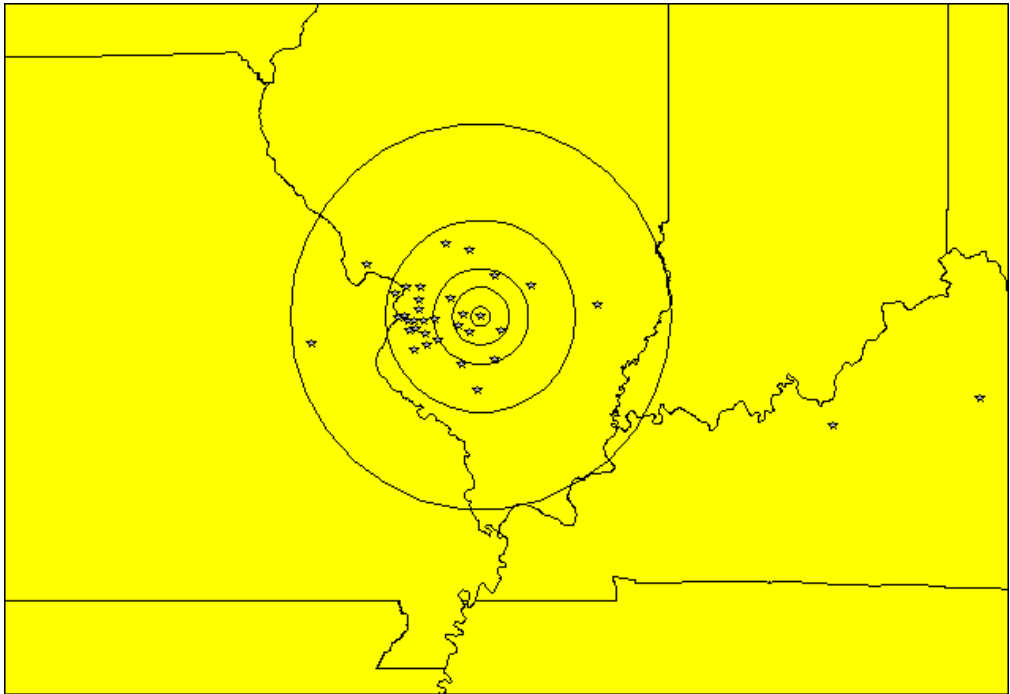


Figure SH.2. Percent of Carlyle Lake visitors by Radius, spring 2004.

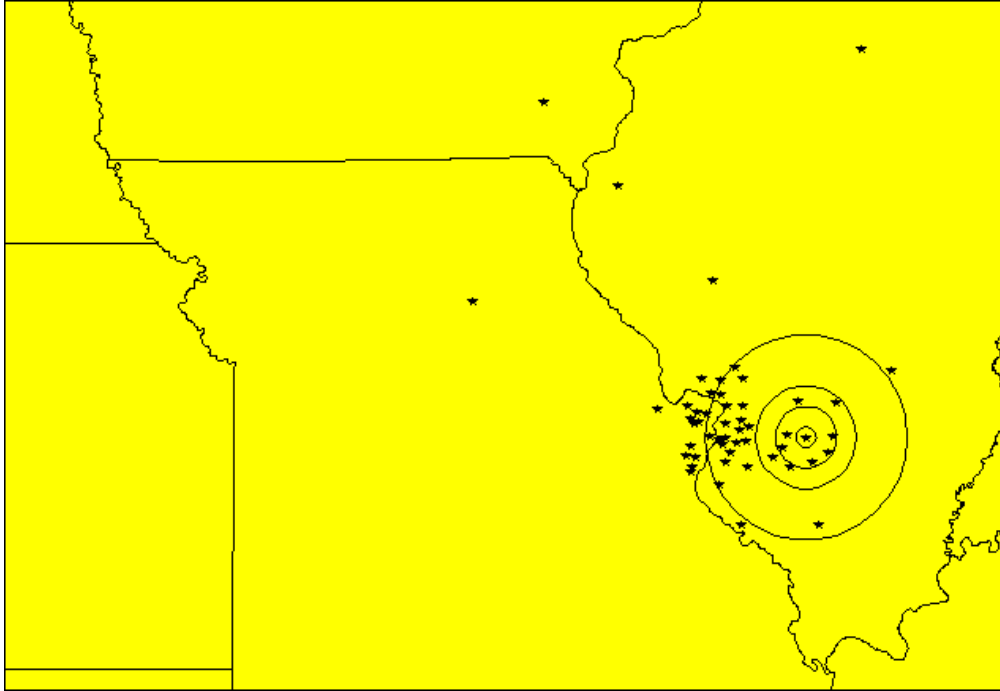


Figure SH.3. Percent of Carlyle Lake visitors by Radius, fall 2004.

Carlyle Lake Visitation

Respondents were frequent and long term visitors to the lake. The majority of respondents had previously visited Carlyle Lake. Of those who could remember and identify their total visits, in fall 2004, the average total visits were 32.67 and respondents had most frequently visited the lake between 26-50 total times (21.7 percent; Table SH.4). Data are not reported on the total times visited for fall 2003 and spring 2004 due to low response rate. The majority of respondents could not remember their visits in the 12 months prior to the onsite contact or the total number of visits, often due to high visitation. Respondents varied in their year of first visitation to Carlyle Lake.

Table SH.4. Past visitation of Carlyle Lake visitor on-site survey respondents, shoulder seasons.

Past Visitation	Fall 2003		Spring 2004		Fall 2004	
	Frequency	%	Frequency	%	Frequency	%
First visitation	n = 71		n = 73		n=158	
No	66	93.0	72	98.6	140	88.6
Yes	5	7.0	1	1.4	18	11.4
Total	71	100.0	73	100.0	158	100.0
Total times visited	**		**		n=46, \bar{M} =32.67, S.D.=33.84	
1					0	0.0
2					1	2.2
3					2	4.3
4					3	6.5
5					5	10.9
6-10					8	17.4
11-15					3	6.3
16-20					4	8.7
21-25					1	2.2
26-50					10	21.7
51-100					9	19.6
>100					0	0.0
Total					46	99.8 ¹
Times in past 12 months	n=27, \bar{M} =5.37, S.D.=3.03		n=23, \bar{M} =11.13, S.D.=13.79		n=66, \bar{M} =11.27, S.D.=19.26	
1	2	7.4	4	17.4	10	15.2
2	2	7.4	3	13.0	11	16.7
3	3	11.1	1	4.3	7	10.6
4	5	18.5	0	0.0	3	4.5
5	3	11.1	4	17.4	5	7.6
6-10	11	40.7	4	17.4	15	22.7
11-15	1	3.7	2	8.7	3	4.5
16-20	0	0.0	3	13.0	5	7.6
21-25	0	0.0	0	0.0	2	3.0
26-50	0	0.0	2	8.7	3	4.5
51-75	0	0.0	0	0.0	0	0.0
76-100	0	0.0	0	0.0	2	3.0
>100	0	0.0	0	0.0	0	0.0
Total	27	99.9 ¹	27	99.9 ¹	66	99.9 ¹
Years visited	n=38, \bar{M} =14.76, S.D.=10.83		n=50, \bar{M} =19.44, S.D.= 11.52		n=109, \bar{M} =17.06, S.D.=11.70	
1	1	2.6	0	0.0	6	5.5
2	3	7.9	2	4.0	6	5.5
3	3	7.9	0	0.0	4	3.7
4	2	5.3	2	4.0	4	3.7
5	3	7.9	3	6.0	7	6.4
6-10	6	15.8	10	20.0	17	15.6
11-15	4	10.5	6	12.0	11	10.1
16-20	7	18.4	7	14.0	13	11.9

21-25	1	2.6	3	6.0	11	10.1
26-30	6	15.8	5	10.0	14	12.8
31-35	2	5.3	12	24.0	16	14.7
Total	38	100.0	38	100.0	109	100.0

¹Does not equal 100 due to rounding

** Data not reported due to low response numbers

Trip Characteristics

Most frequently, visitors were either fishing or camping during their visit to Carlyle and in groups of about two family members (Table SH.5). Respondents' group size ranged from one to more than five. Adult groups included an average of 2.33, 2.47 and 2.25 adults and of those with children, an average of 2.36, 2.17 and 2.38 children. Most frequently, groups were comprised of immediate family members (40.5, 21.1, and 38.6 percent) or solo visitors (23.0, 36.6, and 37.3 percent). The majority of visitors were day users who stayed an average of between four and five hours. Overnight visitors stayed an average of 5.25, 3.26 and 7.09 nights.

Table SH.5. Visit characteristics of Carlyle Lake visitor onsite survey respondents, shoulder seasons.

Visit Characteristics	Fall 2003		Spring 2004		Fall 2004	
	Frequency	%	Frequency	%	Frequency	%
Main recreational activity	n = 74		n = 73		n = 160	
Bicycling	3	4.1	0	0.0	4	2.5
Camping	21	28.4	18	24.7	46	28.8
Canoeing/Kayaking	0	0.0	1	1.4	1	0.6
Driving for Pleasure	2	2.7	2	2.7	2	1.3
Fishing	25	33.8	31	42.5	73	45.6
Horseback Riding	0	0.0	0	0.0	0	0.0
Houseboating	0	0.0	0	0.0	1	0.6
Hunting	2	2.7	1	1.4	5	3.1
Jet Skiing	2	2.7	1	1.4	4	2.5
Motorboating	3	4.1	2	2.7	0	0.0
Observing/Photographing Wildlife or Nature	2	2.7	1	1.4	3	1.9
Picnicking	5	6.8	1	1.4	1	0.6
Relaxing/Stress Reduction	4	5.4	4	5.5	5	3.1
Sailing	0	0.0	5	6.8	3	1.9
Sunbathing	0	0.0	2	2.7	0	0.0
Swimming	1	1.4	0	0.0	5	3.1
Using Playgrounds	1	1.4	0	0.0	0	0.0
Volleyball	0	0.0	0	0.0	0	0.0
Walking/Hiking	1	1.4	0	0.0	2	1.3
Waterskiing	1	1.4	0	0.0	1	0.6
Windsurfing/Sail Boarding	0	0.0	0	0.0	0	0.0
Other	1	1.4	3	4.1	4	2.5

Visit Characteristics	Fall 2003		Spring 2004		Fall 2004	
	Frequency	%	Frequency	%	Frequency	%
Adult group size	n=72, \bar{M} =2.33, S.D.=1.45		n=72, \bar{M} =2.47, S.D.=1.63		n=150, \bar{M} =2.25, S.D.=1.50	
1	19	26.4	24	33.3	52	34.7
2	37	51.4	24	33.3	65	43.3
3	4	5.6	6	8.3	9	6.0
4	3	4.2	10	13.9	5	3.3
5	3	4.2	2	2.8	6	4.0
>5	6	8.3	6	8.3	13	8.7
Child group size	n=14, \bar{M} =2.36, S.D.=1.69		n=6, \bar{M} =2.17, S.D.=0.41		n=42, \bar{M} =2.38, S.D.=1.19	
1	5	35.7	0	0.0	13	31.0
2	5	35.7	5	83.3	9	21.4
3	2	14.3	1	16.7	13	31.0
4	0	0.0	0	0.0	5	11.9
5	0	0.0	0	0.0	2	4.8
>5	2	14.3	0	0.0	0	0.0
Group description	n=114		n=71		n = 158	
Alone	17	23.0	26	36.6	59	37.3
Members of immediate family	30	40.5	15	21.1	61	38.6
Other relatives	2	2.7	7	9.9	5	3.2
Friends	19	25.7	16	22.5	23	14.6
Both friends and family	6	8.1	6	8.5	10	6.3
Other members of an organized group	0	0.0	1	1.4	0	0.0
Numbers of hours spent during day visit	n=44, \bar{M} =4.09, S.D.=2.29		n=40, \bar{M} =4.60, S.D.=1.81		n=73, \bar{M} 4.71, S.D.=2.12	
1	3	6.8	3	7.5	5	6.8
2	11	25.0	1	2.5	7	9.6
3	6	13.6	6	15.0	10	13.7
4	9	20.5	9	22.5	13	17.8
5	5	11.4	9	22.5	13	17.8
6-7	3	6.8	8	20.0	13	17.8
>7	7	15.9	4	10.0	12	16.4
Number of nights stayed	n=24, \bar{M} =5.25, S.D.=3.92		n=23, \bar{M} =3.26, S.D.=1.76		n=46, \bar{M} =7.09, S.D.=4.53	
1	0	0.0	0	0.0	4	8.7
2	6	25.0	9	39.1	4	8.7
3	6	25.0	7	30.4	6	13.0
4	3	12.5	4	17.4	3	6.5
5	0	0.0	2	8.7	3	6.5
6-13	6	25.0	1	4.3	17	37.0
>13	3	12.5	0	0.0	9	19.6

Place Attachment

The average place dependence scale scores were moderate. (Table SH.6). In fall 2003, respondents strongly agreed with the statements “Doing what I do at this lake is more important

to me than doing it any other place” (\underline{M} =3.42) and “This lake is the best place for what I like to do” (\underline{M} =3.41). The respondents in spring 2004 strongly agreed with the statements “I get more satisfaction out of visiting this lake than any other” (\underline{M} =4.13) and “No other place can compare to this lake” (\underline{M} =3.87). In fall 2004, respondents strongly agreed with the statements “Doing what I do at this lake is more important to me than doing it any other place” (\underline{M} =3.84) and “I get more satisfaction out of visiting this lake than any other” (\underline{M} =3.83). Respondents in all seasons most strongly disagreed with the statement “The things I do at this lake I would enjoy doing just as much a similar site” (\underline{M} =2.22, 2.48, 2.60).

Similarly, the average place identity scale scores were moderate (Table SH.7). In fall 2003, respondents most strongly agreed with “This lake means a lot to me” (\underline{M} =3.95) and “This lake is very special to me” (\underline{M} =3.60). Respondents in spring and fall 2004 most strongly agreed with “I am very attached to this lake” (\underline{M} =4.52, 4.21) and “This lake is very special to me” (\underline{M} =4.49, 4.21).

Table SH.6. Place dependence among Carlyle Lake visitor onsite survey respondents, shoulder seasons.

Scale items	Fall 2003		Spring 2004		Fall 2004	
	\underline{M}^1	S.D.	\underline{M}^1	S.D.	\underline{M}^1	S.D.
Doing what I do at this lake is more important to me than doing it any other place.	3.42 (n=73)	1.03	3.80 (n=65)	0.81	3.84 (n=155)	0.83
I wouldn't substitute any other area for doing the types of things I do at this lake.	3.26 (n=74)	1.12	3.69 (n=65)	0.85	3.78 (n=157)	0.77
The things I do at this lake I would enjoy doing just as much at a similar site. ²	2.22 (n=74)	0.90	2.48 (n=65)	0.92	2.60 (n=157)	0.89
This lake is the best place for what I like to do.	3.41 (n=74)	1.06	3.86 (n=65)	0.93	3.75 (n=154)	0.78
No other place can compare to this lake.	3.20 (n=74)	1.06	3.87 (n=63)	0.85	3.66 (n=154)	0.93
I get more satisfaction out of visiting this lake than any other.	3.32 (n=73)	1.10	4.13 (n=63)	0.85	3.83 (n=155)	0.82
Scale	3.13 (α =0.85)	0.79	3.63 (α =0.65)	0.55	3.57 (α =0.70)	0.55

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree

²Reverse coded

Table SH.7. Place identity among Carlyle Lake visitor onsite survey respondents, shoulder seasons.

Scale items	Fall 2003		Spring 2004		Fall 2004	
	<u>M</u> ¹	S.D.	<u>M</u> ¹	S.D.	<u>M</u> ¹	S.D.
This lake means a lot to me.	3.95 (n=73)	0.74	4.38 (n=63)	0.58	4.00 (n=157)	0.82
Visiting this lake says a lot about who I am.	3.23 (n=73)	1.09	4.25 (n=64)	0.87	4.04 (n=152)	0.88
I feel this lake is a part of me.	3.18 (n=73)	1.10	4.39 (n=64)	0.81	4.03 (n=153)	0.97
This lake is very special to me.	3.60 (n=72)	0.91	4.49 (n=65)	0.66	4.21 (n=154)	0.86
I identify strongly with this lake.	3.35 (n=74)	0.99	4.45 (n=65)	0.69	4.13 (n=154)	0.94
I am very attached to this lake.	3.58 (n=72)	0.93	4.52 (n=65)	0.69	4.21 (n=154)	0.89
Scale	3.49 ($\alpha=0.92$)	0.81	4.41 ($\alpha=0.94$)	0.63	4.09 ($\alpha=0.93$)	0.79

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree.

Place Attachment and Experience Use History Correlations

Weak to moderate correlations were found between place attachment and experience use history measures. The majority of them, however, were not statistically significant. Fall 2003 results saw the highest number of significant correlations, three. Overall, the weak to moderate relationships between experience use history items and the two place attachment dimensions occurred primarily with place identity (Tables SH.8, SH.9, and SH.10).

Table SH.8. Correlations between place attachment and experience use history, fall 2003.

Variables	Place identity	Place dependence	Total visits	Visits last 12 months	Number of years visiting
Place identity	1	.61**	.64*	.14	.45**
Place dependence		1	.17	.13	.51**
Total visits			1	-.18	.79**
Visits last 12 months				1	.30
Number of years visiting					1

*Indicates significant correlation at .05 level; **Indicates significant correlation at .01 level

Table SH.9. Correlations between place attachment and experience use history, spring 2004.

Variables	Place identity	Place dependence	Total visits	Visits last 12 months	Number of years visiting
Place identity	1	.40**	.50	.10	-.10
Place dependence		1	.33	.05	.12
Total visits			1	.91**	-.76*
Visits last 12 months				1	.12
Number of years visiting					1

*Indicates significant correlation at .05 level; **Indicates significant correlation at .01 level

Table SH.10. Correlations between place attachment and experience use history, fall 2004.

Variables	Place identity	Place dependence	Total visits	Visits last 12 months	Number of years visiting
Place identity		.56**	.14	.16	.23*
Place dependence		1	.15	.17	.13
Total visits			1	.55**	.61**
Visits last 12 months				1	.33*
Number of years visiting					1

*Indicates significant correlation at .05 level; **Indicates significant correlation at .01 level

Place Attachment Comparisons between Respondents' Main Activities

When place attachment dimension scores were compared between main recreation activities (fishing and camping), no significant differences emerged.

Mail Questionnaire

Methods

Visitors contacted onsite at Carlyle Lake were invited to participate in a mail survey at the time of contact. The questionnaire and its analysis are described below.

Questionnaire

An eight-page questionnaire was designed, approved, and pretested in 2003. The OMB and UofMN IRB approved questionnaire was pretested among CE visitors at a comparable site spring 2003 with no particular problems noted (Appendix A and C). Questionnaire sections focused on: (1) desired and attained benefits, (2) primary areas for benefit achievement, (3) crowding expectations and preferences, (4) CE area familiarity, value, and (5) boating experiences.

Benefit items followed previous research (Anderson et al. 2001; Driver et al. 1991). The 26 benefit items were measured on a scale from 1 to 5 where 1 equaled very unimportant and 5 equaled very important. Similarly, for those benefits that were important, respondents rated how much they attained the benefit on a scale of 1 to 4 where 1 equaled did not attain and 4 equaled totally attained. Respondents then identified where they attained the important benefits on a map in the questionnaire.

Social carrying capacity was assessed by examining respondents expected and preferred levels of crowding at several specific areas, potential problems, boating experiences, as well as visitor satisfaction. Expected crowding was assessed on a scale of 1 to 5 where 1 equaled far less than expected and 5 equaled far more than expected. Overall satisfaction with the area, as well as specific site attribute satisfaction, was assessed on a scale of 1 to 5 where 1 equaled very dissatisfied and 5 equaled very satisfied. A list of 27 problems was adapted from CE surveys and

assessed on a scale of 1 to 5 with 1 equaled not a problem, and 5 equaled a very serious problem. In all of these sections respondents had the opportunity to indicate they either had no expectations or did not visit an area. Respondents also had the option of indicating if anything interfered with their experience and, if so, detailing the interference in an open-ended question. Boating experiences were measured similar to past CE river surveys with a list of 27 items presented where respondents indicated the extent of the problem, if applicable.

Familiarity with the Kaskaskia River and its lakes was examined on a scale from 1 to 3, where 1 equaled not at all familiar and 3 equaled very familiar. The value of the river was assessed from adapted CE survey items. Respondents indicated their agreement with several items focused on the economic contribution of the river..

Analysis

Data were entered, cleaned, and checked for singularity and multicollinearity in SPSS version 11.5. In addition, extreme outliers were Winsorized to bring highly skewed variables into usable ranges. Descriptive analysis provided means, standard deviations, and frequencies to describe the sample and provide information on variables of interest.

To identify benefit factors, principal components factor analysis was employed utilizing standard criteria of eigen values greater than one, factor loadings 0.40 or greater, and meaningful structure. Fourteen items failed to load or cross-loaded and were eliminated from further analysis. Cronbach alpha's assessed scale reliability as necessary. Analysis of variance assessed benefit factor differences among respondents according to main recreation activity and least significant difference tests identified differences among groups when appropriate.

Correlations identified the relationship between important and attained benefits. Benefit attainment was examined for all who responded as well as for those who rated the experience as important. Correlations and attainment mapping used attainment from respondents indicating the benefit was important.

Results

Summer 2003:

Response rate

Of the 927 potential respondents, a total of 532 Carlyle Lake area visitors agreed to participate in the mail survey. Of these, 22 were undeliverable and 2 were unusable. Of those mailed a survey, 232 usable surveys were returned for a 45.7 percent response rate (Table S1.7). Respondents had stronger place attachment and longer visitation histories than nonrespondents.

Table S1.7. Response rate among Carlyle Lake visitor mail survey respondents, summer 2003.

	N	%
Initial mailing	532	
Undeliverable	22	
Unusable	2	
Returned	232	
Response rate		45.7

Respondent Main Activity

Respondents primarily participated in camping or fishing at Carlyle (37.3 and 34.1 percent, respectively; Table S1.8). Between 5 and 10 percent of respondents indicated swimming and boating were their main activity.

Table S1.8. Main recreational activity among Carlyle Lake visitor mail survey respondents, summer 2003.

Main recreational activity (n = 232)	Frequency	%
Camping	86	37.1
Fishing	79	34.1
Swimming	21	9.1
Motor boating	15	6.5
Relaxing/stress reduction	10	4.3
Jet skiing	4	1.7
Sailing	4	1.7
Picnicking	3	0.4
Water skiing	3	1.3
Bicycling	2	0.9
Other	2	0.9
Walking/hiking	2	0.9
Sunbathing	1	0.4

Benefit Importance and Attainment

Of the 26 benefit items rated, four were identified as important: “to do something with my family” (\underline{M} =4.31), “to enjoy the scenery of the lake”(\underline{M} =4.24), “to get away from the usual demands of life”(\underline{M} =4.17), and “to relax physically”(\underline{M} =4.05) (Table S1.9). All 26 benefits were at least somewhat attained. Significant but weak to moderate positive correlations existed between 23 benefits’ importance and attainment.

Table S1.9. Reported importance and attainment of experiences among Carlyle Lake visitor mail survey respondents, summer 2003.

Experience	Importance		Attainment		Attainment	
	<u>M</u> ^a	S.D.	<u>M</u> ^b	S.D.	<u>M</u> ^c	S.D.
To do something with my family (n=215;177;157)	4.31	1.05	3.71	0.58	3.71	0.57
To enjoy the scenery of the lake (n=220;176;164)	4.24	1.02	3.60	0.64	3.61	0.62
To get away from the usual demands of life (n=213;164;148)	4.17	1.02	3.44	0.69	3.48	0.66
To relax physically (n=219;162;144)	4.05	1.03	3.41	0.73	3.46	.70
To be close to nature (n=212;153;134)	3.92	1.03	3.38	0.71	3.42	0.66
To use my own equipment (n=212;147;128)	3.92	1.09	3.66	0.64	3.72	0.56
To feel healthier (n=214;141;123)	3.86	1.06	3.33	0.68	3.34	0.66
To be with people who enjoy same things I do (n=219;148;124)	3.85	1.20	3.59	0.65	3.64	0.62
To experience nature (n=210;153;123)	3.79	1.10	3.31	0.76	3.41	0.70
To be with members of my group (n=210;140;108)	3.74	1.13	3.58	0.66	3.66	0.61
To participate in recreational activities (n=208;151;116)	3.65	1.12	3.37	0.77	3.44	0.71
To get exercise (n=212;132;101)	3.55	1.12	3.19	0.73	3.24	0.69
To think about my personal values (n=207;125;92)	3.51	1.20	3.27	0.77	3.43	0.68
To test my skills and abilities (n=213;133;86)	3.41	1.12	3.13	0.73	3.26	0.67
To experience new and different things (n=209;128;82)	3.40	1.12	2.95	0.73	2.99	0.71
To have thrills and excitement (n=209;120;76)	3.37	1.11	3.21	0.74	3.26	0.68
To be on my own (n=211;133;89)	3.36	1.20	3.12	0.75	3.18	0.72
To experience solitude (n=206;125;80)	3.33	1.17	3.11	0.74	3.23	0.69
To be away from other people (n=211;126;70)	3.31	1.23	2.96	0.84	3.11	0.79
To have a wilderness experience (n=208;135;83)	3.29	1.14	3.02	0.77	3.11	0.73
To challenge myself (n=209;111;65)	3.24	1.11	3.06	0.78	3.17	0.76
To share my skill and knowledge with others (n=210;103;53)	3.16	1.12	3.00	0.81	3.17	0.75
To meet new people (n=212;114;63)	3.09	1.18	3.01	0.76	3.17	0.73
To learn about the natural history of the area (n=207;108;55)	3.04	1.12	2.93	0.83	3.00	0.84
To learn about the cultural history of the area (n=207;107;46)	2.93	1.14	2.91	0.84	3.09	0.81
To be creative by doing something such as sketching, painting, taking photographs (n=211;100;36)	2.71	1.18	3.05	0.80	3.36	0.64

^aImportance rated on a scale of 1 to 5, where 1=very unimportant and 5=very important.

^bAttainment rated by all respondents on a scale of 2 to 4, where 1= did not attain and 4= totally attained.

^cAttainment rated by those respondents indicating benefit was important (4 to 5), where 1= did not attain and 4= totally attained.

When factor analyzed, three factors emerged that explained 62.3 percent of the variance: learning, experiencing nature alone, and recreating with similar people (Table S1.10). Learning explained 22.08 percent of the variance, had an eigen value of 2.65, and Cronbach's alpha of 0.90. Three items composed the learning factor: "learn cultural history of the area," "learn natural history of the area," and "experience new and different things." Experiencing nature alone factor explained 20.71 of the variance, had an eigen value of 2.49, and Cronbach's alpha of

0.75. This factor consisted of five items: “have a wilderness experience,” “experience nature,” “be close to nature,” “be away from other people,” and “use my own equipment.” The recreating with similar people explained 19.52 percent of the variance, had an eigen value of 2.3 and alpha of 0.70 and had four items: “participate in recreation activity,” “do something with my family,” “be with members of my group,” and “be with people who enjoy the same things as I do.” Differences in benefit importance were examined by primary activity with ANOVA, but none emerged.

Benefits were most frequently attained in map sections one and three, followed somewhat distantly by sections four and two (Table S1.11; Figure S1.1). Learning was primarily attained at map sections one and two. Experiencing nature alone was primarily attained at map sections one and four. Recreating with similar people was primarily attained at map sections one and three. Note the significantly lower number of reported learning benefits attained.

Table S1.10. Factor loadings for experience attribute items among Carlyle Lake survey respondents, summer 2003.

Items	Factors		
	Learning	Experiencing Nature alone	Recreating with Similar People
Learn natural history of the area	.93		
Learn cultural history of the area	.91		
Experience new and different things	.77		
Have a wilderness experience		.82	
Use my own equipment		.69	
Experience nature		.66	
Be close to nature		.62	
Be away from other people		.53	
Do something with my family			.83
Be with members of my group			.80
Participate in recreation activity			.69
Be with people who enjoy the same things as I do			.42
Eigen value	2.65	2.49	2.30
Alpha (α)	0.90	0.75	0.70
Variance explained (%)	22.08	20.71	19.52

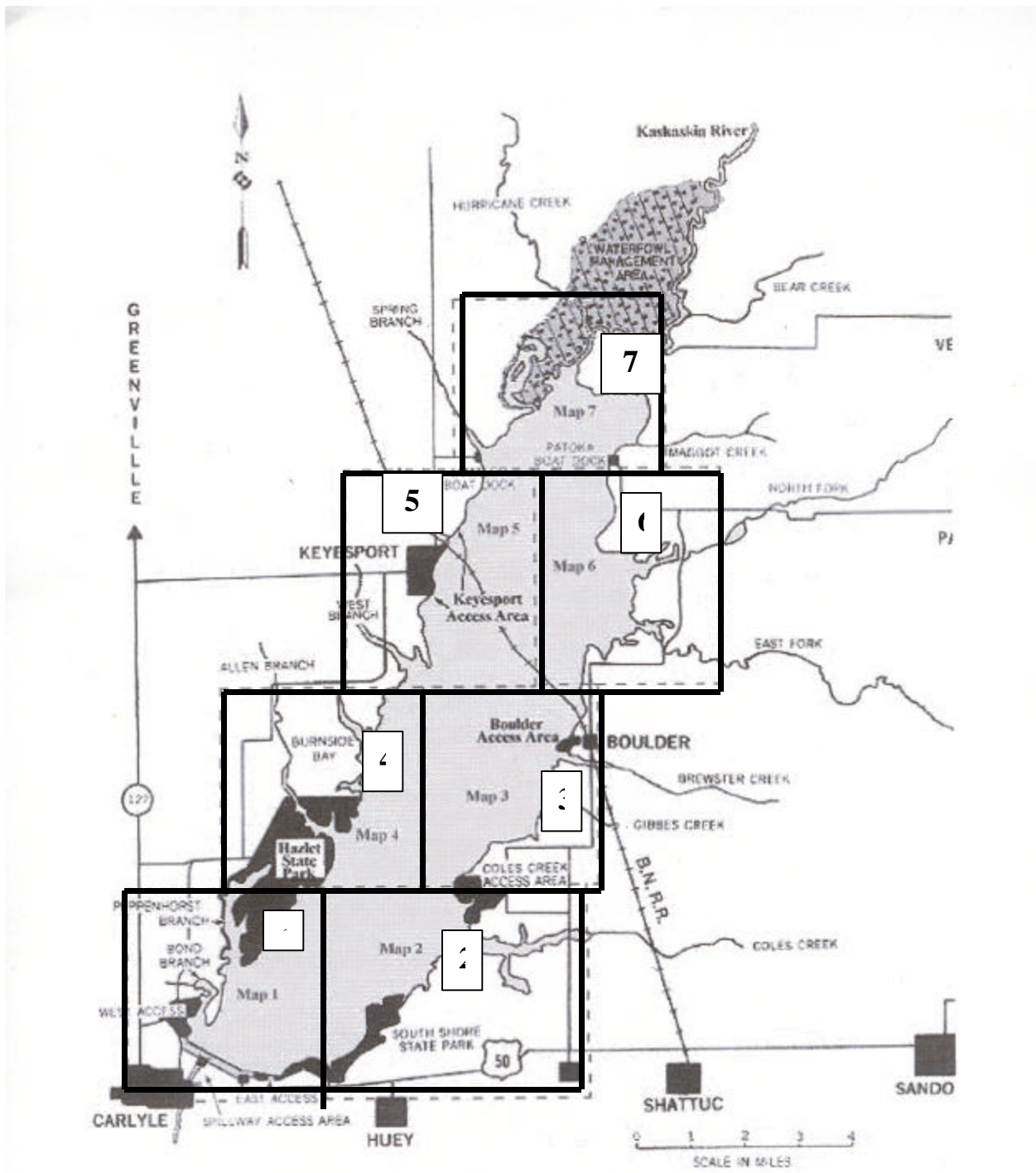


Figure S1.1. Carlyle Lake Map

Table S1.11. Percent of reported attained experiences among Carlyle Lake visitor survey respondents based on lake sections, summer 2003.

Experience Factors	Carlyle Lake Section							Total
	One	Two	Three	Four	Five	Six	Seven	
Learning	38.3 (n=72)	12.2 (n=23)	21.8 (n=41)	17.6 (n=33)	3.2 (n=6)	3.7 (n=7)	3.2 (n=6)	188
Experiencing Nature Alone	33.6 (n=191)	13.2 (n=75)	20.1 (n=114)	20.8 (n=118)	5.6 (n=32)	3.3 (n=19)	3.3 (n=19)	568
Recreate w/ Similar people	35.7 (n=205)	15.2 (n=87)	22.0 (n=126)	17.9 (n=103)	4.9 (n=28)	2.6 (n=15)	1.7 (n=10)	574

Satisfaction, Crowding, and Preferences for Crowding

Overall, respondents indicated satisfaction with their Carlyle Lake visit. Nearly all the respondents were satisfied or very satisfied with their visit (94.2 percent) and respondents indicated an average rating of 4.25 where 5 equaled very satisfied (Table S1.12). Of the individual sites and site attributes listed, picnic areas had the highest satisfactory rating among those who visited (\bar{M} =4.27). Respondents were least satisfied with the water level (\bar{M} =3.71), but even this rating did not indicate dissatisfaction.

Table S1.12. Reported satisfaction with trip and specific lakeshore areas among Carlyle Lake visitor mail survey respondents, summer 2003.

	\bar{M} ¹	S.D.	% did not visit
Overall satisfaction (n=173)	4.25	0.75	N/A ²
Picnic areas (n=215)	4.27	0.94	44.7
Campsites (n=218)	4.23	1.12	31.2
Boat launches (n=216)	4.18	1.02	41.7
Trails (n=213)	4.01	0.93	67.6
Beaches (n=216)	3.92	1.15	39.8
Water level (n=216)	3.71	1.29	9.7

¹Rated on a scale of 1 to 5, where 1=very dissatisfied and 5=very satisfied

²N/A= not applicable

Mirroring the overall visit satisfaction, none of the 28 potential problems listed even attained a moderate problem rating (Table S1.13). Only two items were rated above 2 (little problem): “not enough firewood” (\bar{M} = 2.12) and “fluctuation in water” (\bar{M} = 2.01). Items they may become potential problems with scores rated close to a 2 were: “people being inconsiderate” (\bar{M} = 1.79), “unsafe operation of personal watercraft” (\bar{M} = 1.73), “meeting too many other watercraft” (\bar{M} = 1.71) and “finding a high quality campsite” (\bar{M} = 1.71). 23.4 % of respondents indicated something interfered with their recreation experience.

Table S1.13. Perceived problems found at Carlyle Lake among visitor mail survey respondents, summer 2003.

Perceived problem	<u>M</u> ¹	S.D.	% not applicable
Not enough firewood (n=211)	2.12	1.41	36.5
Fluctuation in water levels (n=210)	2.01	1.34	25.2
People being inconsiderate (n=214)	1.79	1.20	4.7
Unsafe operation of personal watercraft (n=212)	1.73	1.23	28.3
Finding a high quality campsite (n=212)	1.71	1.19	25.9
Meeting too many other watercraft (n=211)	1.71	1.14	33.2
Inadequate number of marina slips (n=212)	1.60	1.19	40.6
Litter (n=209)	1.59	1.16	3.8
Availability of navigation maps (n=212)	1.58	1.10	24.1
Finding safe drinking water (n=216)	1.58	1.15	19.0
Finding campsites with adequate power supplies (50 amp) (n=213)	1.57	1.18	31.0
Inadequate toilet facilities on the lake (n=213)	1.55	1.02	24.4
Overall maintenance of the area (n=215)	1.54	1.00	3.3
Inadequate floating facilities on the lake (n=211)	1.53	1.09	35.1
Not enough law enforcement (n=211)	1.53	1.10	6.2
Too few landings (n=211)	1.52	1.10	28.9
Not enough hiking trails (n=212)	1.49	1.06	42.0
Insufficient information about things to see and do (n=214)	1.48	0.97	14.0
Poor quality landings (n=210)	1.43	0.99	30.0
Navigating among the waters (n=208)	1.41	0.89	31.3
Too many rules and regulations (n=213)	1.36	0.92	7.0
Too much noise on the lake (n=212)	1.35	0.87	18.4
Too few rules and regulations (n=209)	1.32	0.84	5.7
Too few encounters with Corps of Engineers personnel (n=210)	1.31	0.78	8.6
Too much law enforcement (n=210)	1.21	0.73	7.1
Human body waste (n=212)	1.18	0.68	10.4
Damage to or loss of personal property (n=214)	1.14	0.59	13.6
Too many encounters with Corps of Engineers personnel (n=212)	1.16	0.66	7.1

¹Rated on a scale of 1 to 5, where 1= not a problem, 3= moderate problem and 5= very serious problem

Crowding expectations were near or about as expected for all areas (Table S1.14). Survey respondents reported crowding expectations were most exceeded at the campsites ($\bar{M} = 3.45$), but this was still about as expected. Crowding was less than expected on trails ($\bar{M} = 2.58$). A vast majority (98 percent or more) had crowding expectations for the entire area. Similarly, for those who had a preference for the number of people at a site area, perceived crowding levels were near or about as preferred for all areas. Crowding preferences were most exceeded at campsites ($\bar{M}=3.26$), but this is still about as preferred.

The number of people at Carlyle Lake during survey respondent visits neither added to nor detracted from about 50 percent of respondents' visit (Table S1.15). In fact, the number of people added to 13 percent of respondents' experiences.

Table S1.14. Perceived crowding and preferences among Carlyle Lake visitor mail survey respondents, summer 2003.

Perceived crowding	<u>M</u>¹	S.D.	% did not visit	% no expectation
Campsites (n=218)	3.45	1.12	30.7	1.4
Boat launches (n=217)	2.98	1.14	41.0	3.2
Picnic areas (n=215)	2.95	1.16	47.9	2.8
Beaches (n=216)	2.85	1.05	41.7	1.4
Trails (n=212)	2.58	1.17	69.3	1.9
Crowding preferences	<u>M</u>²	S.D.	% did not visit	% no preference
Campsites (n=187)	3.26	1.44	30.5	7.5
Boat launches (n=183)	2.97	1.38	44.3	6.0
Picnic areas (n=182)	2.97	1.33	46.2	6.6
Beaches (n=185)	2.91	1.40	43.8	5.9
Trails (n=180)	2.46	1.58	68.3	7.2

¹Rated on a scale of 1 to 5, where 1=far less than expected, 3=as expected and 5=far more than expected

²Rated on a scale of 1 to 5, where 1=far less than preferred, 3=as preferred and 5=far more than preferred

Table S1.15. Reported affect of overall enjoyment from the number of people at the lake among Carlyle Lake visitor mail survey respondents, summer 2003.

Affect of overall enjoyment from the number of people at the lake (n=221)	Frequency	%
No effect on my enjoyment	117	52.9
Detracted a little from my enjoyment	44	19.9
Added a lot to my enjoyment	29	13.1
Added a little to my enjoyment	24	10.9
Detracted a lot from my enjoyment	7	3.2

Place Familiarity & Value

Not surprisingly, of the entire Kaskaskia watershed, Carlyle Lake visitors were most familiar with Carlyle Lake (Figure S1.2). Generally, survey respondents indicated little to no familiarity with the rest of the river components.

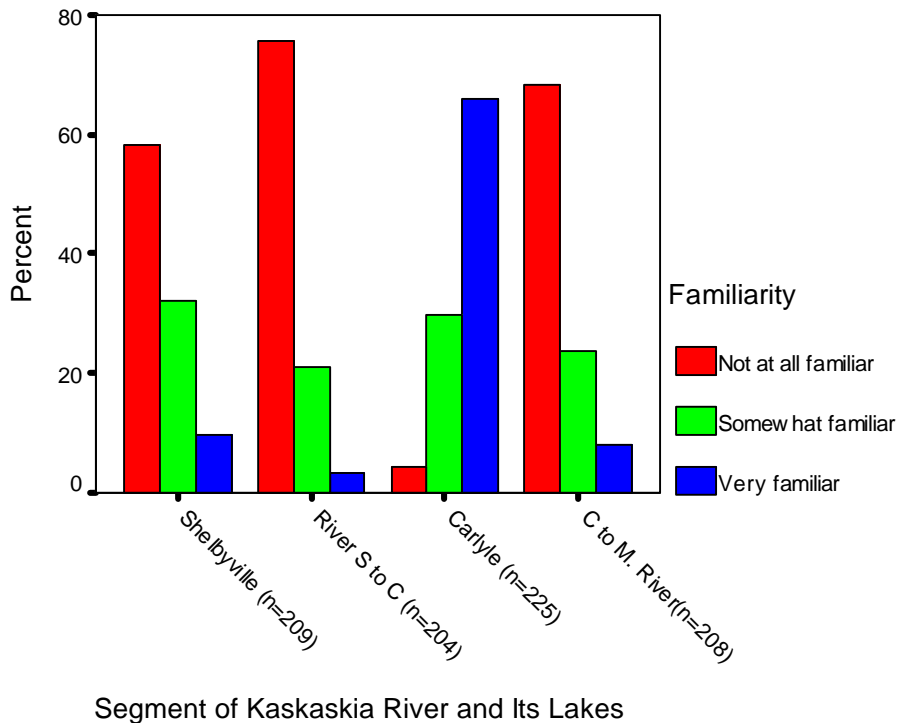


Figure S1.2. Familiarity with Kaskaskia River and its lakes among Carlyle Lake visitor mail survey respondents, summer 2003.

Respondents agreed the lake was important economically for the area and that its recreation use was also important (Table S1.16). Respondents most strongly agreed: “This lake is important to the economy of its local area” ($\bar{M}=4.35$), “Recreational use of this lake is important to the economy of the local area” ($\bar{M}=4.31$), and “The lake is inviting” ($\bar{M}=4.22$). Respondents agreed less about the economic importance of the navigation and about the relationships between local residents and recreation users.

Table S1.16. Perceived characteristics about Carlyle Lake and the Kaskaskia River among visitor mail survey respondents, summer 2003.

	\bar{M}^1	S.D.
This lake is important to the economy of its local area. (n=224)	4.35	0.74
Recreational use of this lake is important to the economy of the local area. (n=226)	4.31	0.75
The lake is inviting. (n=226)	4.22	0.69
The area along and near the lake is safe. (n=226)	3.75	0.84
The water quality of this lake is good. (n=221)	3.48	1.01
Erosion of the lakeshore is a serious problem. (n=221)	3.15	1.05
Commercial Navigation (barges) on the Kaskaskia River is important to the economy of the region. (n=216)	3.13	0.95
There are many conflicts between local residents and recreation users of the Kaskaskia River in the local area. (n=217)	2.90	0.85

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree.

Boating Experiences

Of the 27 items assessed regarding boating experiences, those boating most strongly agreed “I intend to visit this lake again in the future” (\underline{M} = 4.45), “I thoroughly enjoyed my boat trip that day” (\underline{M} = 4.16) and “My boat trip was well worth the money I spent to take it” (\underline{M} = 4.06; Table S1.17). The statements that were most strongly disagreed with were “I nearly had an accident on the lake because of crowded conditions” (\underline{M} = 1.83), “I do not want to go on any more boat trips like that one” (\underline{M} = 1.90), “If I had known what it was going to be like on that trip”, “I would not have come to the lake” (\underline{M} = 1.91), “The noise of other boats reduced my enjoyment on the lake” (\underline{M} = 1.93), and “There were too many houseboats on the lake” (\underline{M} = 1.96).

Table S1.17. Boating experiences among Carlyle Lake visitor mail survey respondents, summer 2003.

	M¹	S.D.
I intend to visit this lake again in the future. (n=101)	4.45	0.67
I thoroughly enjoyed my boat trip that day. (n=102)	4.16	0.81
My boat trip was well worth the money I spent to take it. (n=99)	4.06	0.83
Boating conditions on the lake were safe. (n=98)	3.96	0.76
I thought the lake and its surroundings were in good condition. (n=99)	3.93	0.84
I felt free to adjust the time of my boating. (n=100)	3.92	0.86
There were many boating locations I could choose from during this trip. (n=96)	3.64	0.95
I had many other choices of lakes I could have used. (n=98)	3.26	1.12
There are adequate law enforcement patrols on the lake. (n=99)	3.25	1.12
I was bothered by jet skis cutting too close to my boat. (n=100)	2.67	1.36
Other boats came closer to my boat than I like. (n=98)	2.58	1.13
The presence of personal watercraft interfered with the quality of my boating experience. (n=100)	2.40	1.17
The behavior of other boaters interfered with the quality of my boating experience. (n=99)	2.35	1.12
I avoided my favorite parts of the lake because there were too many boat there. (n=99)	2.34	1.09
I stayed off the lake during parts of the day because there were too many boats on the lake. (n=99)	2.33	1.08
I was disappointed with some aspects of my boat trip. (n=96)	2.28	1.11
I did not like the amount of time I had to wait to get on the water. (n=99)	2.25	1.05
The lake is overdeveloped in terms of accommodations. (n=101)	2.18	1.03
The number of boats on the lake reduced my enjoyment. (n=98)	2.17	1.00
My boating trip was not as enjoyable as I expected it to be. (n=98)	2.13	1.03
I did not participate in some boating activities because of crowded conditions at the lake. (n=98)	2.12	1.05
There was an unsafe number of boats on the water. (n=98)	2.06	0.88
There were too many houseboats on the lake. (n=98)	1.96	0.85
The noise of other boats reduced my enjoyment on the lake. (n=100)	1.93	0.95
If I had known what it was going to be like on that trip, I would not have come to the lake. (n=99)	1.91	1.04
I do not want to go on any more boat trips like that one. (n=99)	1.90	0.99
I nearly had an accident on the lake because of crowded conditions. (n=99)	1.83	1.01

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree

Summer 2004:***Response rate***

A total of 472 Carlyle Lake area visitors agreed to participate in the mail survey. Of these, 24 were undeliverable and 3 were unusable. Of those mailed a survey, 230 usable surveys were returned for a 51.3 percent response rate (Table S2.8). Respondents had stronger place attachment and longer visitation histories than nonrespondents.

Table S2.8. Response rate among Carlyle Lake visitor mail survey respondents, summer 2004

	N	%
Initial mailing	472	
Undeliverable	24	
Unusable	3	
Returned	230	
Response rate		51.3

Visitor Activity and Benefits

Respondents primarily participated in camping or fishing at Carlyle (39.6 and 34.8 percent, respectively; Table S2.9). Also, 12.8 percent of respondents indicated motorboating was their main activity.

Table S2.9. Main recreational activity among Carlyle Lake visitor mail survey respondents, summer 2004.

Main recreational activity (n =227)	Frequency	%
Camping	90	39.6
Fishing	79	34.8
Motorboating	29	12.8
Relaxing/stress reduction	11	4.8
Jet skiing	6	2.6
Swimming	3	1.3
Walking/hiking	3	1.3
Bicycling	2	0.9
Driving for pleasure	1	0.4
Observing/photographing wildlife or nature	1	0.4
Using playgrounds	1	0.4
Sunbathing	1	0.4
Total	227	99.7¹

¹ Does not equal 100 due to rounding

Of the 26 benefit items rated, four were identified as important: “to enjoy the scenery of the lake” (\underline{M} =4.28), “to do something with my family” (\underline{M} =4.17), “to get away from the usual demands of

life”(M=4.17), and “to relax physically”(M=4.08; Table S2.10). All 26 benefits were at least somewhat attained. Significant but weak to moderate positive correlations existed between 22 benefits’ importance and attainment.

Table S2.10. Reported importance and attainment of experiences among Carlyle Lake visitor mail survey respondents, summer 2004.

Experience	Importance		Attainment		Attainment	
	M ^a	S.D.	M ^b	S.D.	M ^c	S.D.
To enjoy the scenery of the lake (n=216;164;152)	4.28	1.00	3.45	0.76	3.48	0.73
To do something with my family (n=214;156;138)	4.17	1.11	3.49	0.87	3.69	0.58
To get away from the usual demands of life (n=217;156;144)	4.17	1.04	3.44	0.70	3.47	0.68
To relax physically (n=214;155;144)	4.08	1.02	3.40	0.68	3.47	0.60
To be with people who enjoy same things I do (n=215;148;124)	3.94	1.14	3.51	0.80	3.65	0.59
To use my own equipment (n=218;153;135)	3.90	1.13	3.70	0.66	3.78	0.51
To experience nature (n=207;151;123)	3.83	1.05	3.27	0.81	3.42	0.63
To be close to nature (n=215;144;120)	3.80	1.04	3.33	0.77	3.44	0.65
To be with members of my group (n=210;144;110)	3.77	1.23	3.30	0.98	3.63	0.59
To feel healthier (n=212;127;105)	3.67	1.14	3.09	0.80	3.22	0.69
To participate in recreational activities (n=213;139;107)	3.63	1.16	3.12	0.97	3.42	0.67
To get exercise (n=210;133;94)	3.42	1.12	3.02	0.91	3.30	0.65
To test my skills and abilities (n=214;125;76)	3.38	1.07	2.84	1.00	3.20	0.71
To experience solitude (n=211;120;84)	3.33	1.17	2.88	1.02	3.20	0.79
To have thrills and excitement (n=216;127;74)	3.32	1.07	2.81	1.03	3.22	0.76
To think about my personal values (n=210;118;71)	3.30	1.10	2.88	1.01	3.25	0.79
To have a wilderness experience (n=210;131;80)	3.28	1.18	2.93	1.04	3.34	0.73
To be on my own (n=213;135;83)	3.25	1.32	3.02	0.99	3.30	0.76
To experience new and different things (n=212;118;71)	3.24	1.06	2.50	0.95	2.85	0.77
To challenge myself (n=213;117;64)	3.23	1.05	2.61	0.98	3.06	0.75
To share my skill and knowledge with others (n=214;112;53)	3.13	1.08	2.55	1.04	3.11	0.73
To be away from other people (n=212;117;64)	3.11	1.19	2.66	0.98	3.05	0.81
To meet new people (n=216;121;59)	3.06	1.13	2.62	1.03	3.22	0.70
To learn about the natural history of the area (n=212;109;50)	2.92	1.04	2.30	1.06	2.86	0.86
To learn about the cultural history of the area (n=208;107;42)	2.84	1.03	2.30	1.09	2.88	0.86
To be creative by doing something such as sketching, painting, taking photographs (n=210;98;23)	2.41	1.01	2.05	1.12	2.96	0.77

^aImportance rated on a scale of 1 to 5, where 1=very unimportant and 5=very important.

^bAttainment rated by all respondents on a scale of 2 to 4, where 1= did not attain and 4= totally attained.

^cAttainment rated by those respondents indicating benefit was important (4 to 5), where 1= did not attain and 4= totally attained.

When factor analyzed, four factors emerged that explained 71.77 percent of the variance: learning, experiencing nature alone, recreating with similar people, and achievement (Table S2.11). Learning explained 17.86 percent of the variance, had an eigen value of 2.32, and Cronbach’s alpha of .82. Three items composed the learning factor: “learn cultural history of the area,” “learn natural history of the area,” and “be creative.” Experiencing nature alone factor

explained 12.97 percent of the variance, had an eigen value of 1.69, and Cronbach’s alpha of .75. This factor consisted of two items: “experience solitude” and “be away from others.” The recreating with similar people factor explained 21.63 percent of the variance, had an eigen value of 2.81 and Cronbach’s alpha of .81 and had five items: “do something with my family,” “be with members of my group,” “participate in recreation activity,” “be with people who enjoy the same things as I do,” and “enjoy scenery of lake.” The achievement factor explained 19.31 percent of the variance, had an eigen value of 2.51 and Cronbach’s alpha of .87 and had three items: “test skills and abilities,” “share skills and knowledge with others,” and “challenge oneself.”

Differences emerged among the three main recreational activities (fishing, camping, and motorboating) in two benefit factors: (1) campers and motorboaters rated achievement as less important than anglers and 2) anglers indicated recreating with similar people as less important than campers and motorboaters and campers less important than motorboaters.

Benefits were most frequently attained in map sections one, three, and four (Table S2.12; Figure S2.3). Learning was primarily attained at map sections one and four. Experiencing nature alone was primarily attained at map sections three and four. Recreating with similar people was primarily attained at map sections one, three, and four. Achievement was primarily attained at map sections one and three. Note the significantly lower number of reported learning benefits attained.

Table S2.11. Factor loadings for experience attribute items among Carlyle Lake survey respondents, summer 2004.

Items	Factors			
	Learning	Experiencing nature alone	Recreating with similar people	Achievement
Learn cultural history of the area	.91			
Learn natural history of the area	.88			
Be creative	.70			
Be away from others		.87		
Experience solitude		.87		
Be with members of my group			.88	
Do something with my family			.79	
Be with people who enjoy the same things as I do			.77	
Enjoy scenery of lake			.68	
Participate in recreation activity			.44	
Challenge oneself				.87
Test skills and abilities				.86
Share skill and knowledge with others				.86
Eigen value	2.32	1.69	2.81	2.51
Alpha (α)	.82	.75	.81	.87
Variance explained (%)	17.86	12.97	21.63	19.31

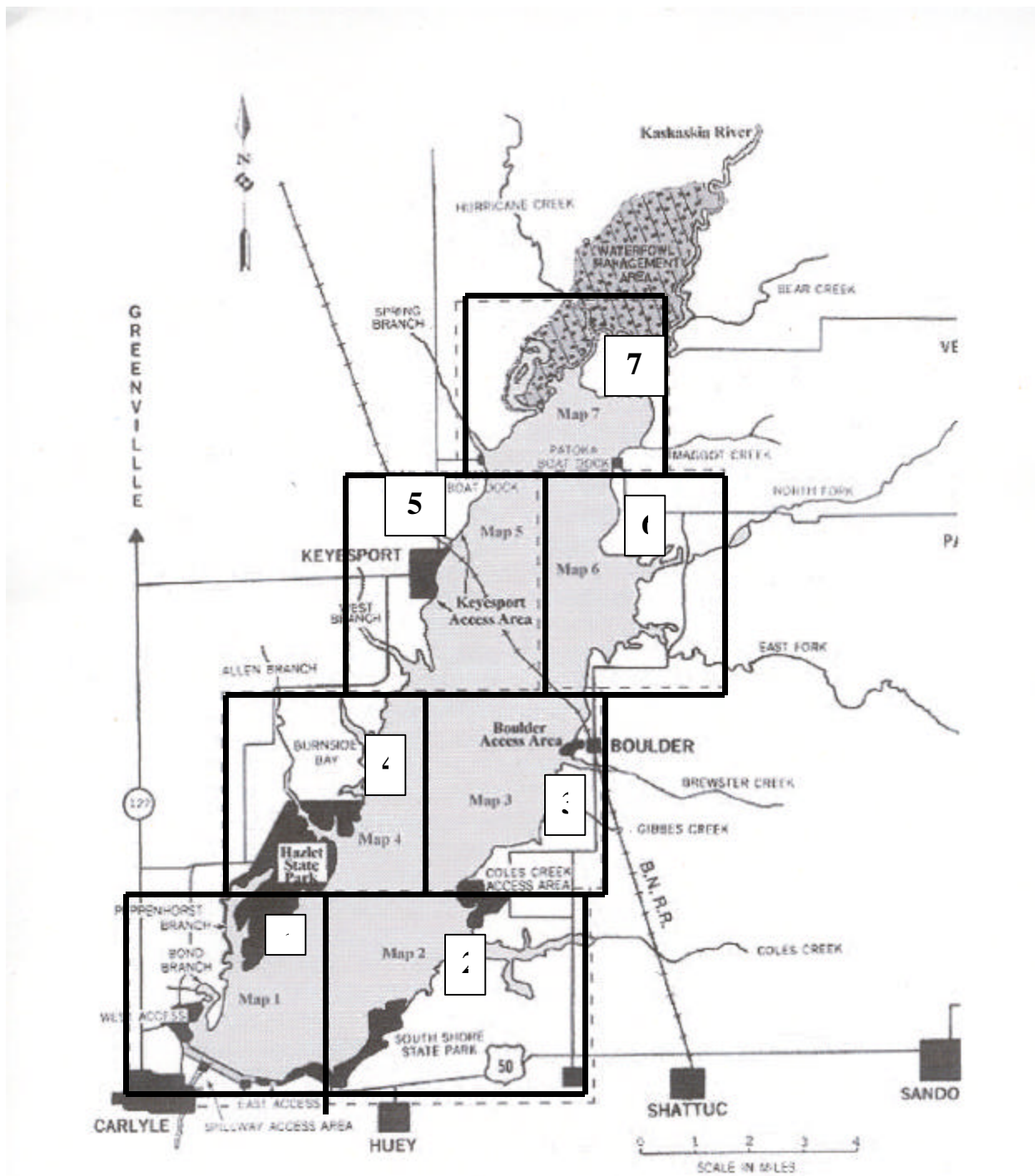


Figure S2.3. Carlyle Lake Map Sections

Table S2.12. Percent of reported attained experiences among Carlyle Lake visitor survey respondents based on lake sections, summer 2004.

Experience Factors	Carlyle Lake Section							Total
	One	Two	Three	Four	Five	Six	Seven	
Learning	41.2 (n=35)	4.7 (n=4)	21.2 (n=18)	28.2 (n=24)	4.7 (n=4)	0 (n=0)	0 (n=0)	85
Experiencing nature alone	22.3 (n=25)	10.7 (n=12)	29.5 (n=33)	30.4 (n=34)	7.1 (n=8)	0 (n=0)	0 (n=0)	112
Recreate w/ similar people	32.5 (n=196)	10.4 (n=63)	23.8 (n=144)	23.8 (n=144)	8.4 (n=51)	0.5 (n=3)	0.5 (n=3)	604
Achievement	39.5 (n=64)	10.5 (n=17)	25.3 (n=41)	21.0 (n=34)	3.7 (n=6)	0 (n=0)	0 (n=0)	162

Satisfaction, Crowding, and Preferences for Crowding

Overall, respondents indicated satisfaction with their Carlyle Lake visit. Nearly all respondents were satisfied or very satisfied with their visit (94.6 percent) and respondents indicated an average rating of 4.26 where 5 equaled very satisfied (Table S2.13). Of the individual sites and site attributes listed, campsites had the highest satisfactory rating among those who visited (\bar{M} =4.48). Respondents were least satisfied with the water level (\bar{M} =4.03), but even this rating did not indicate dissatisfaction.

Table S2.13. Reported satisfaction with trip and specific lakeshore areas among Carlyle Lake visitor mail survey respondents, summer 2004.

	\bar{M} ¹	S.D.	% did not visit
Overall satisfaction (n=167)	4.26	.78	N/A ²
Campsites (n=219)	4.48	.90	28.3
Picnic areas (n=220)	4.26	.87	56.4
Boat launches (n=220)	4.24	1.04	39.1
Trails (n=221)	4.07	.97	61.5
Beaches (n=222)	4.05	1.04	50.9
Water level (n=223)	4.03	1.10	7.6

¹Rated on a scale of 1 to 5, where 1=very dissatisfied and 5=very satisfied

²N/A= not applicable

Mirroring the overall visit satisfaction, none of the 28 potential problems listed even attained a moderate problem rating (Table S2.14). Only one item was rated above 2 (little problem): “not enough firewood” (\bar{M} = 2.04). Items that scored close to 2 may become potential problems: “people being inconsiderate” (\bar{M} = 1.87), “fluctuation in water” (\bar{M} = 1.81) “finding a high quality campsite” (\bar{M} = 1.82), and “unsafe operation of personal watercraft” (\bar{M} = 1.77). About one fourth (26.8 percent) of the respondents indicated something interfered with their recreation experience.

Table S2.14. Perceived problems found at Carlyle Lake among visitor mail survey respondents, summer 2004.

Perceived problem	<u>M</u> ¹	S.D.	% not applicable
Not enough firewood (n=212)	2.04	1.38	37.7
People being inconsiderate (n=217)	1.87	1.23	3.7
Fluctuation in water levels (n=217)	1.81	1.33	18.9
Finding a high quality campsite (n=214)	1.82	1.25	27.1
Unsafe operation of personal watercraft (n=216)	1.77	1.15	24.5
Inadequate number of marina slips (n=215)	1.59	1.16	37.2
Litter (n=212)	1.59	1.13	4.7
Inadequate toilet facilities at landings (n=217)	1.56	1.11	18.0
Meeting too many other watercraft (n=216)	1.55	1.05	27.8
Finding campsites with adequate power supplies (50 amp) (n=216)	1.52	1.04	33.3
Insufficient information about things to see and do (n=216)	1.52	.97	13.9
Overall maintenance of the area (n=215)	1.50	.88	4.2
Not enough law enforcement (n=215)	1.45	.98	4.2
Finding safe drinking water (n=217)	1.44	.85	21.2
Availability of navigation maps (n=216)	1.43	.87	22.7
Inadequate floating facilities on the lake (n=215)	1.43	1.00	30.7
Too few landings (n=215)	1.41	.95	22.3
Not enough hiking trails (n=211)	1.40	.88	37.0
Too much noise on the lake (n=215)	1.40	.87	19.1
Too many rules and regulations (n=216)	1.36	.87	6.5
Too few rules and regulations (n=213)	1.28	.75	6.6
Poor quality landings (n=216)	1.27	.76	23.1
Navigating among the waters (n=213)	1.27	.69	26.3
Too few encounters with Corps of Engineers personnel (n=213)	1.24	.72	6.6
Human body waste (n=214)	1.24	.75	7.0
Too much law enforcement (n=214)	1.23	.67	4.7
Damage to or loss of personal property (n=216)	1.19	.65	8.8
Too many encounters with Corps of Engineers personnel (n=216)	1.18	.65	5.1

¹Rated on a scale of 1 to 5, where 1= not a problem, 3= moderate problem and 5= very serious problem

Crowding expectations were near or about as expected for all areas (Table S2.15). Survey respondents reported crowding expectations were most exceeded at the campsites ($\bar{M} = 3.48$), but this was still about as expected. Crowding was less than expected on trails ($\bar{M} = 2.48$). Similarly, for those who had a preference for the number of people at a site area, perceived crowding levels were near or about as preferred for all areas. Crowding preferences were most exceeded at campsites ($\bar{M}=3.55$), but this is still about as preferred.

The number of people at Carlyle Lake during survey respondent visits neither added to nor detracted from about 57.4 percent of respondents' visit (Table S2.16). In fact, the number of people added a lot to 12.1 percent of respondents' experiences.

Table S2.15. Perceived crowding and preferences among Carlyle Lake visitor mail survey respondents, summer 2004.

Perceived crowding	<u>M</u>¹	S.D.	% did not visit	% no expectation
Campsites (n=219)	3.48	.98	31.1	3.2
Boat launches (n=218)	3.15	.84	39.4	2.3
Picnic areas (n=218)	3.14	.90	61.0	1.8
Beaches (n=221)	2.87	.71	52.0	2.7
Trails (n=217)	2.48	1.01	66.8	2.8
Crowding preferences	<u>M</u>²	S.D.	% did not visit	% no preference
Campsites (n=180)	3.55	1.09	33.3	3.9
Boat launches (n=178)	3.30	.87	40.4	2.8
Picnic areas (n=176)	3.29	.95	63.1	3.4
Beaches (n=180)	3.09	.80	53.3	4.4
Trails (n=178)	2.90	.83	68.0	3.4

¹Rated on a scale of 1 to 5, where 1=far less than expected, 3=as expected and 5=far more than expected

²Rated on a scale of 1 to 5, where 1=far less than preferred, 3=as preferred and 5=far more than preferred

Table S2.16. Reported affect of overall enjoyment from the number of people at the lake among Carlyle Lake visitor mail survey respondents, summer 2004.

Affect of overall enjoyment from the number of people at the lake (n=223)	Frequency	%
No effect on my enjoyment	128	57.4
Detracted a little from my enjoyment	38	17.0
Added a lot to my enjoyment	27	12.1
Added a little to my enjoyment	25	11.2
Detracted a lot from my enjoyment	5	2.2
Total	223	99.9¹

¹ Does not equal 100 due to rounding

Place Familiarity and Value

Not surprisingly, of the entire Kaskaskia watershed, Carlyle Lake visitors were most familiar with Carlyle Lake (Figure S2.4). Generally, survey respondents indicated little to no familiarity with the rest of the river components.

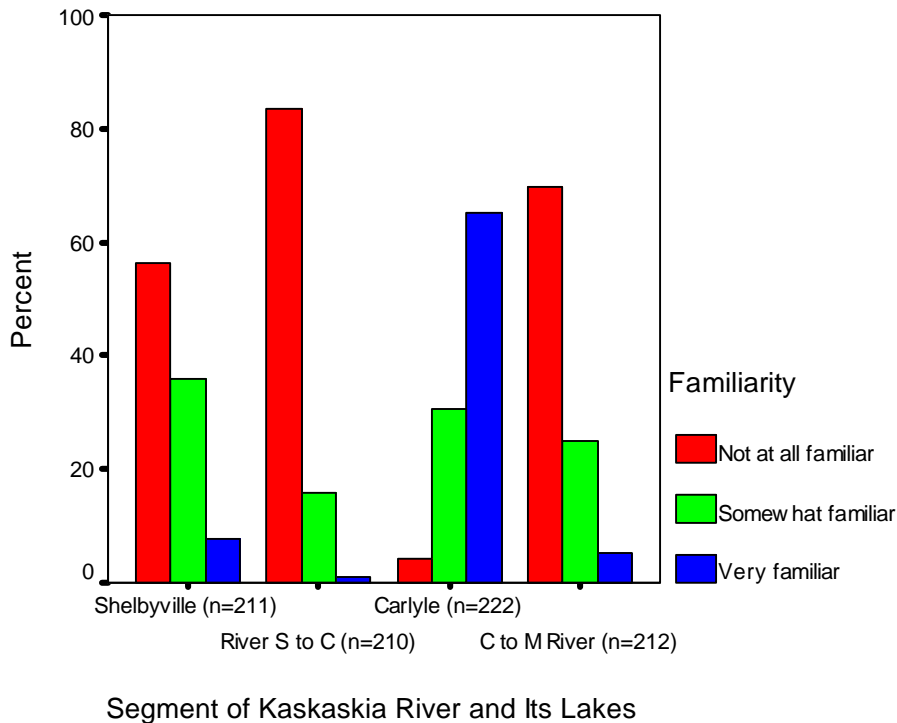


Figure S2.4. Familiarity with Kaskaskia River and its lakes among Carlyle Lake visitor mail survey respondents, summer 2004.

Respondents agreed the lake was important economically for the area and that its recreation use was also important (Table S2.17). Respondents most strongly agreed: “This lake is important to the economy of its local area” ($\bar{M}=4.36$), “Recreational use of this lake is important to the economy of the local area” ($\bar{M}=4.31$), and “The lake is inviting” ($\bar{M}=4.17$). Respondents agreed less about erosion of the lakeshore as a serious problem and about the relationships between local residents and recreation users.

Table S2.17. Perceived characteristics about Carlyle Lake and the Kaskaskia River among visitor mail survey respondents, summer 2004.

	\bar{M}^1	S.D.
This lake is important to the economy of its local area. (n=221)	4.36	0.74
Recreational use of this lake is important to the economy of the local area. (n=219)	4.31	0.73
The lake is inviting. (n=222)	4.17	0.66
The area along and near the lake is safe. (n=220)	3.80	0.76
The water quality of this lake is good. (n=221)	3.40	1.01
Commercial Navigation (barges) on the Kaskaskia River is important to the economy of the region. (n=206)	3.40	0.86
Erosion of the lakeshore is a serious problem. (n=217)	3.20	1.14
There are many conflicts between local residents and recreation users of the Kaskaskia River in the local area. (n=211)	2.80	0.76

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree.

Boating Experiences

Of the 27 items assessed regarding boating experiences, those boating most strongly agreed “I intend to visit this lake again in the future” (\underline{M} = 4.42), “I thoroughly enjoyed my boat trip that day” (\underline{M} = 4.18) and “My boat trip was well worth the money I spent to take it” (\underline{M} = 4.03; Table S2.18). The statements that were most strongly disagreed with were “I nearly had an accident on the lake because of crowded conditions” (\underline{M} = 1.73), “If I had known what it was going to be like on that trip, I would not have come to the lake” (\underline{M} = 1.76), “I do not want to go on any more boat trips like that one” (\underline{M} = 1.79), and “There were too many houseboats on the lake” (\underline{M} = 1.96).

Table S2.18. Boating experiences among Carlyle Lake visitor mail survey respondents, summer 2004.

	M¹	S.D.
I intend to visit this lake again in the future. (n=106)	4.42	0.75
I thoroughly enjoyed my boat trip that day. (n=108)	4.18	0.71
My boat trip was well worth the money I spent to take it. (n=105)	4.03	0.74
Boating conditions on the lake were safe. (n=106)	3.97	0.77
I thought the lake and its surroundings were in good condition. (n=107)	3.94	0.78
I felt free to adjust the time of my boating. (n=106)	3.93	0.82
There were many boating locations I could choose from during this trip. (n=106)	3.58	0.94
I had many other choices of lakes I could have used. (n=109)	3.30	1.09
There are adequate law enforcement patrols on the lake. (n=107)	3.22	1.06
I was bothered by jet skis cutting too close to my boat. (n=107)	2.72	1.33
Other boats came closer to my boat than I like. (n=107)	2.50	1.14
The presence of personal watercraft interfered with the quality of my boating experience. (n=107)	2.48	1.17
I did not like the amount of time I had to wait to get on the water. (n=107)	2.36	1.11
I avoided my favorite parts of the lake because there were too many boat there. (n=109)	2.31	0.97
I was disappointed with some aspects of my boat trip. (n=107)	2.29	1.08
The behavior of other boaters interfered with the quality of my boating experience. (n=105)	2.25	1.14
I stayed off the lake during parts of the day because there were too many boats on the lake. (n=107)	2.20	0.95
My boating trip was not as enjoyable as I expected it to be. (n=107)	2.16	1.01
The lake is overdeveloped in terms of accommodations. (n=107)	2.15	1.11
The noise of other boats reduced my enjoyment on the lake. (n=108)	2.08	0.96
The number of boats on the lake reduced my enjoyment. (n=107)	2.07	0.93
I did not participate in some boating activities because of crowded conditions at the lake. (n=107)	2.07	0.93
There was an unsafe number of boats on the water. (n=108)	2.02	0.81
There were too many houseboats on the lake. (n=107)	1.96	0.74
I do not want to go on any more boat trips like that one. (n=107)	1.79	0.89
If I had known what it was going to be like on that trip, I would not have come to the lake. (n=107)	1.76	0.85
I nearly had an accident on the lake because of crowded conditions. (n=107)	1.73	0.83

¹Rated on a scale from 1 to 5, where 1=strongly disagree and 5=strongly agree

Discussion and Implications

Carlyle Lake survey respondents were primarily middle-aged, non-Hispanic males with high school degrees or some college education. Generally, the survey respondents mirror the Illinois population (US Census 2000) and reflect the baby boomers and therefore, represent a growing visitor group in the next few decades. However, this “boomer:” also has specific desires for novelty (National Travel Monitor 1998), family accommodations (Chon and Singh 1995), as well as flexible opportunities: educational, cultural, or sport experiences (Cato and Knustler 1988). Thus, recreation programs and opportunities should address them. Another potentially important consideration as this group matures is the physical accessibility in and around the lake features. Not only would additional attention to accessibility enhance an aging consumer group’s experience, but also entice a growing traveler segment to the area (TIA 2003b).

Knowing that this baby boomer group is more active than their parent’s generation, creating opportunities for them to extend their stay, and possibly enhance benefit attainment, may be appealing to both management and the local communities. Although programming ideas could be derived from other research, assessing the local inventory is an important first step to understand what attractions and experience opportunities are available for this trip extension.

Although a rather homogenous group racially, visitor diversification may likely occur as the US population diversifies. In 2000, Latinos were 12 percent of the population and are the fastest growing population (Therrien and Ramirez 2000). Recently Hispanics have become the nation’s largest minority group with African Americans the second largest minority group. Overall the US population by the year 2025 is expected to increase by 50 million, of who 17 million will be Hispanic American, 14 million African American, and 10 million from other groups (Dwyer 1994). The changing population of the nation is an important factor in the importance of providing equality for ethnic and racial minorities and diversity but there are also important moral, legal, and functional reasons (Cox 1994). Leisure service agencies are human-service providers and therefore should provide equal opportunities for everyone (Allison 2000). This may be more critical among ACOE sites because 80 percent of ACOE sites are within 50 miles of a major metropolitan area that have a diverse population.

A greater number of respondents were day visitors rather than overnight guests. To enhance visits and increase lengths of stay, cooperation and collaboration with extant local tourism associations and visitor and convention bureaus could maximize resource expenditures and enhance visitor stays. One way to do this might be to emphasize more the natural and cultural tourism opportunities.

In terms of nature-based tourism, one avenue that Illinois is emphasizing is wildlife viewing. Data from the 2001 US Fish and Wildlife Service Wildlife Recreation Survey identified more than 82 million US residents (16 years and older) fished, hunted, or watched wildlife in 2001. Wildlife viewing accounted for 66 million participants in the US population, about one in three (31 percent), and a 5 percent increase in participant numbers since 1995. Wildlife watchers spent

\$38 billion on trips, equipment, and other items in 2001, a 16 percent increase from 1995. In Illinois specifically, close to \$600 million was spent in 2001 on wildlife viewing recreation.

With respect to cultural tourism, based on national data, a total of 118.1 million US adults participated in cultural or heritage tourism in 2002 (TIA 2003a). Additionally, over three quarters (81 percent) of US adults took at least one trip greater than 50 miles that included at least one cultural activity or event. Most cultural travelers participate in more than one cultural activity, attraction, or destination during their trip (Zeppel 2002) and therefore, it is important to have a package of opportunities to consider. Therefore, marketing and partnering with local area attractions is suggested. A combination of additional nature based activities and cultural/historic opportunities are likely to enhance experiences and extend wildlife-viewing trips and vice versa.

The significant percent of visitors who fish at the CE projects is not surprising. Recreational fishing remains one of Americas' most frequently engaged in recreational activities (Cordell et al. 1999). In 2001, 34.1 million US residents 16 years old and older participated in recreational fishing, 28.4 million were freshwater anglers (US Fisheries and Wildlife Service [USFWS] and US Census Bureau [USCB] 2002). Economically, freshwater fishing expenditures (trip and equipment) attributed \$21 billion in 2001 (USFWS and USCB 2002). Of those recreational freshwater anglers, 53 percent used a boat (i.e., a "boat-based" angler; USFWS & USCB 2002). In context to Illinois fishing participation, every year 1.2 million Illinois anglers fish 16.1 million days and generate more than \$700 million in retail sales (ILDNR 2003). Most fishing trips in Illinois are to lakes and ponds (61 percent) but an additional 6 percent are to ACOE reservoirs. However, Illinois is one of the top ten states that supplies state residents to other states for recreational fishing (Ditton et al. 2002). This supports that ACOE managers, specifically in Illinois, should focus on anglers' place identity because residents are not highly dependent on ACOE resources.

Overall, respondents indicated moderate place attachment to the lake. Awareness of the place attachment is important as it has significant relationships to other variables. For example, Kyle et al. (2003) found that as place identity increased, so did respondents' support for fees related to environmental education, environmental protection, and facility and service development. Place identity also significantly relates to environmentally responsible behavior, which suggests that by encouraging one's place identity, environmentally responsible behavior will develop (Vaske and Kobrin 2001). There are various ways to increase or apply place attachment. Williams and Stewart (1998) suggest that place attachment can be increased by knowing and using local place names that are used to communicate in management plans, understanding the politics of place, as well as understanding the differences of meaning to various groups. The relationship between place attachment and experience use history was comparable to other results and meta-analysis in that relationships that existed were weak to moderate (Hammit et al. 2004; Backlund and Williams 2004).

Four benefits were important to respondents: view scenery, be with family, escape, and relax. All were very close to total attainment, which also likely contributes to the high satisfaction

rating with the visit. These were attained most frequently in the areas near the dams and recreation areas. Four benefit factors emerged: learning, experience nature alone, achievement, and recreating with similar people. The benefit factors reflect a constituent base with diverse desired benefits from the area. Subsequently, planning and management can retain their focus on a variety of programs and experience opportunities to meet these diverse needs. To enhance planning and management efforts through the BBM framework, managers can focus their efforts on the benefits identified, specifically those attained by visitors. Specifically, managers can (1) consider using the benefits identified as a framework to focus management goals, and (2) attend to the importance of the benefits of experiences that were important or very important. Given the importance of the lake scenery, visual resource management is important to consider through planning and development processes. Similarly, given the important of family recreation, programs might focus on creating opportunities for a variety of family experiences and recreate in natural environments (moms and sons, dads and daughters, couples) to enhance this important benefit.

Respondents indicated they were largely unfamiliar with the watershed beyond Carlyle and Shelbyville. Familiarity with the lake was high, but benefit attainment was centralized closest to the dams and recreation areas. Understanding respondent travel patterns would be informative to understand the reasons for this. For instance, is attainment linked to access? Future qualitative research could uncover some of this information as could additional surveys that simultaneously measure benefit importance, attainment, and travel during the experience. If the CE is interested in a constituent group for the watershed, visitor education and interpretation might be enhanced or increased. This project did not focus on level of knowledge or familiarity with the lake and watershed beyond one simple question and therefore, the effectiveness of education and interpretive efforts cannot be addressed. However, additional inquiry into visitor awareness may be warranted.

Overall, respondents indicated satisfaction with both their visit and specific lakeshore areas among Carlyle Lake. Visitor satisfaction is further supported by the few reported problems, moderate conflict experiences and crowding levels as visitors expect. Potential problems to monitor and attend to included water level and firewood. Specific recommendations include: (1) increase visitor education on wood availability, (2) provide adequate and timely information about water level fluctuation to inform the public about the CE's flood control management, and (3) continue visitor monitoring to enhance management and client understanding while subsequently contributing to visitor satisfaction.

However, despite the high satisfaction ratings, about one-fourth of respondents indicated something interfered with their experience. Managers need to determine, with visitors, at what point interference becomes acceptable. The number of people equally enhanced and detracted from visitor enjoyment, and therefore, making sure visitor density expectations are accurate remains important. Although conflict has a negative connotation, it can be a positive as it indicates systemic inefficiencies and keeps the organization at a higher level of stimulation. Visitor conflict is pervasive and its magnitude fairly constant in recreation management. For

more than 20 years, outdoor recreation conflict has been identified as one of manager's most common and difficult problems (Hammitt 1988). Studies indicate anywhere from 5 to 40 percent of visitors have something interfere with their experience. Fortunately, the potential for conflict resolution among recreationists is high compared to conflicts between other groups (Floyd et al. 1996). Schneider (2004) found that "...individuals frequently cope without the need for management intervention. Still, these seemingly unmanaged responses rely heavily on well communicated established rules." From this data, recommendations and suggestions for indicators and standards will be developed.

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Appendix A: IRB approval

UNIVERSITY OF MINNESOTA

<i>Twin Cities Campus</i>	<i>Research Subjects' Protection Programs</i> <i>(Institutional Review Board, Human Subjects Committee (IRB),</i> <i>Institutional Animal Care and Use Committee (IACUC),</i>	<i>Micro Mail Code 820</i> <i>D 528 Hans Memorial Building</i> <i>420 Delaware Street, S.E.</i> <i>Minneapolis, MN 55455</i> <i>612-626-3654</i> <i>Fax: 612-626-6267</i> <i>lrb@umn.edu</i> <i>lrb@umn.edu</i> <i>http://www.eresearch.umn.edu/subjects</i>
June 23, 2003		
Dorothy H. Anderson Forest Resources 115 Green Hall Saint Paul Campus		

Re: "Geocaching in Ramsey County Parks and Recreation Areas"
"The Role of Trust in Public Management"
"VERP Pilot Project at Tettegouche State Park"
"Benefits and Values Associated with Corp of Engineers Projects in Kaskaskia Watershed
Visitor Survey and Community Assessment"
"Research Related to Human Dimensions of Resource Management through the CESU in
the College of Natural Resources"
Human Subjects Code Number: **0306E48802**

Dear Dr. Anderson:

The IRB: Human Subjects Committee determined that the referenced study is exempt from review under federal guidelines 45 CFR Part 46.101(b) category #2 SURVEYS/INTERVIEWS; STANDARDIZED EDUCATIONAL TESTS; OBSERVATION OF PUBLIC BEHAVIOR.

The code number above is assigned to your research. That number and the title of your study must be used in all communication with the IRB office.

Upon receipt of this letter, you may begin your research. If you have questions, please call the IRB office at (612) 626-5654.

The IRB wishes you success with this research.

Sincerely,



Cynthia McGill
Executive Assistant
CM/clp
CC: Ingrid Schneider, Jerrilyn Thompson

Appendix B: Onsite questionnaire

OMB Approval #0710-0001
Expiration date 10/30/05

Lake Visitor Survey

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____AM/PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

___ **The day** (how many hours): ___ HOURS

___ **Overnight** (number of total number of nights stayed): ___ NIGHTS

3. Is today's visit your **first visit to the lake** (circle one)? YES NO

If no, How many times **total** have you visited this lake (including this visit)?

___TIMES OR ___ I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

___TIMES OR ___ I CANNOT REMEMBER

How many years have you been coming to this lake? _____ YEARS

4. With whom are you visiting today? (Please select only one item)

___ALONE

___WITH MEMBERS OF YOUR IMMEDIATE FAMILY

___WITH OTHER RELATIVES

___WITH FRIENDS

___WITH BOTH FRIENDS AND FAMILY

___WITH OTHER MEMBERS OF AN ORGANIZED GROUP

(E.G. SCOUTS, NATURE GROUP, CAMPING CLUBS, ETC.)

5. Including yourself, how many people were in your group on this visit?

___ ADULTS (18+) ___ CHILDREN

6. What was your **main** recreational activity during your time at the lake (**check one**)?

___ BICYCLING

___ JET SKIING

___ SUNBATHING

___ CAMPING

___ MOTORBOATING

___ SWIMMING

___ CANOEING/KAYAKING

___ OBSERVING/PHOTOGRAPHING

___ USING PLAYGROUNDS

___ DRIVING FOR PLEASURE

___ WILDLIFE OR NATURE

___ VOLLEYBALL

___ FISHING

___ PICNICKING

___ WALKING/HIKING

___ HORSEBACK RIDING

___ RELAXING/STRESS REDUCTION

___ WATERSKIING

___ HOUSEBOATING

___ SAILING

___ WINDSURFING/SAILBOARDING ___ HUNTING

___ OTHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? ___ YES ___ NO

If yes, which ones? ___CARLYLE LAKE

___LAKE SHELBYVILLE

___OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.	1	2	3	4	5
I wouldn't substitute any other area for doing the types of things I do at this lake.	1	2	3	4	5
The things I do at this lake I would enjoy doing just as much at a similar site.	1	2	3	4	5
This lake is the best place for what I like to do.	1	2	3	4	5
No other place can compare to this lake.	1	2	3	4	5
I get more satisfaction out of visiting this lake than any other.	1	2	3	4	5
This lake means a lot to me.	1	2	3	4	5
Visiting this lake says a lot about who I am.	1	2	3	4	5
I feel this lake is a part of me.	1	2	3	4	5
This lake is very special to me.	1	2	3	4	5
I identify strongly with this lake.	1	2	3	4	5
I am very attached to this lake.	1	2	3	4	5

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)?

EIGHTH GRADE HIGH SCHOOL/ GED TECH SCHOOL SOME COLLEGE COLLEGE DEGREE ADVANCED DEGREE

10. In what ethnicity and race would you place yourself?

Ethnicity: ___ HISPANIC OR LATINO ___ NOT HISPANIC OR LATINO

Race (check all that apply):

___ AMERICAN INDIAN OR ALASKA NATIVE ___ ASIAN
 ___ BLACK OR AFRICAN AMERICAN ___ NATIVE HAWAIIAN OR PACIFIC ISLANDER
 ___ WHITE ___ OTHER, EXPLAIN:

11. What language do you speak most of the time?

___ ENGLISH ___ SPANISH ___ OTHER (SPECIFY) _____

12. What language do you read most of the time?

___ ENGLISH ___ SPANISH ___ OTHER (SPECIFY) _____

13. What is your annual household income (before taxes)?

___ LESS THAN \$5,000 ___ \$5,000-9,999 ___ \$10,000-14,999
 ___ \$15,000-24,999 ___ \$25,000-34,999 ___ \$35,000-49,999
 ___ \$50,000-74,999 ___ \$75,000-99,999 ___ \$100,000-124,999
 ___ \$125,000-149,999 ___ \$150,000-174,999 ___ \$175,000 OR MORE

14. How many people are supported by this income? ___ PERSON/S

15. Are you? ___ MALE ___ FEMALE

16. What year were you born? 19__

We are interested in learning more about your experiences and how the Corps of Engineers can better serve you. If you are willing to participate in a mail survey about your recreation experiences at this area, please provide us with the following:

Name _____
 Street address _____
 City _____ State _____ Zip Code _____

Appendix C: Mail questionnaire

OMB Approval #0710-0001
Expiration date 10/30/05

Carlyle Lake Visitor Survey

Dear Carlyle Lake Visitor:

You have been selected as part of a small number of Carlyle Lake visitors to share your experiences and opinions. Planning and management of the lake depends on your input. The enclosed survey should take just 20 minutes to complete and will enhance the management of, and your experiences at Carlyle Lake.

The information you provide on the survey is critical to understanding how Carlyle Lake managers can better serve your needs and effectively manage the resource. Please return the survey in the enclosed, self-addressed, postage-paid envelope within two weeks of receipt.

All the information you provide is completely voluntary, confidential, and anonymous. Once our mailing procedures are complete, your name and information will be destroyed. If you have any questions or concerns about the survey, please feel free to phone me at 612.624.2250 or email me at ingridss@umn.edu.

Sincerely,

Ingrid E. Schneider, Project leader
Your Experiences at Carlyle Lake

1. What was your main recreational activity during the lake visit where we contacted you (check only one)?

- | | | |
|---|--|---|
| <input type="checkbox"/> BICYCLING | <input type="checkbox"/> JET SKIING | <input type="checkbox"/> SUNBATHING |
| <input type="checkbox"/> CAMPING | <input type="checkbox"/> MOTORBOATING | <input type="checkbox"/> SWIMMING |
| <input type="checkbox"/> CANOEING/KAYAKING | <input type="checkbox"/> OBSERVING/PHOTOGRAGHING | <input type="checkbox"/> USINGPLAYGROUNDS |
| <input type="checkbox"/> DRIVING FOR PLEASURE | <input type="checkbox"/> WILDLIFE OR NATURE | <input type="checkbox"/> VOLLEYBALL |
| <input type="checkbox"/> FISHING | <input type="checkbox"/> PICNICKING | <input type="checkbox"/> WALKING/HIKING |
| <input type="checkbox"/> HORSEBACK RIDING | <input type="checkbox"/> RELAXING/STRESS REDUCTION | <input type="checkbox"/> WATERSKIING |
| <input type="checkbox"/> HOUSEBOATING | <input type="checkbox"/> SAILING | <input type="checkbox"/> WINDSURFING/SAILBOARDING |
| <input type="checkbox"/> HUNTING | | <input type="checkbox"/> OTHER (LIST BELOW) |
| | | _____ |

2. Below is a list of possible experiences visitors may have at this lake. Please examine the list of possible experiences. Then, 1) indicate how important each experience was to you on the day we contacted you by circling the corresponding number, 2) for experiences rated a 4 or 5 for importance, indicate how much you were able to attain this experience at the lake by circling the appropriate number.

(1) Importance (2) Attainment

Experience	(1) Importance					(2) Attainment			
	Very Unimportant	Unimportant	Neither	Important	Very Important	Did not Attain	Somewhat Attained	Moderately Attained	Totally Attained
a. To be on my own	1	2	3	4	5	1	2	3	4
b. To use my own equipment	1	2	3	4	5	1	2	3	4
c. To have a wilderness experience	1	2	3	4	5	1	2	3	4
d. To experience nature	1	2	3	4	5	1	2	3	4
e. To do something with my family	1	2	3	4	5	1	2	3	4
f. To be with members of my group	1	2	3	4	5	1	2	3	4
g. To be with people who enjoy same things I do	1	2	3	4	5	1	2	3	4
h. To meet new people	1	2	3	4	5	1	2	3	4
i. To participate in recreational activities	1	2	3	4	5	1	2	3	4
j. To learn about the cultural history of the area	1	2	3	4	5	1	2	3	4
k. To learn about the natural history of the area	1	2	3	4	5	1	2	3	4
l. To experience new and different things	1	2	3	4	5	1	2	3	4
m. To test my skills and abilities	1	2	3	4	5	1	2	3	4
n. To enjoy the scenery of the lake	1	2	3	4	5	1	2	3	4
o. To think about my personal values	1	2	3	4	5	1	2	3	4
p. To be close to nature	1	2	3	4	5	1	2	3	4
q. To be creative by doing something such as sketching, painting, taking photographs	1	2	3	4	5	1	2	3	4
r. To get exercise	1	2	3	4	5	1	2	3	4
s. To be away from other people	1	2	3	4	5	1	2	3	4
t. To relax physically	1	2	3	4	5	1	2	3	4
u. To experience solitude	1	2	3	4	5	1	2	3	4
v. To get away from the usual demands of life	1	2	3	4	5	1	2	3	4
w. To have thrills and excitement	1	2	3	4	5	1	2	3	4
x. To share my skill and knowledge with others	1	2	3	4	5	1	2	3	4
y. To challenge myself	1	2	3	4	5	1	2	3	4
z. To feel healthier	1	2	3	4	5	1	2	3	4

Other (please describe)

3. Consider the experiences listed on the previous page that you attained. On the map below, indicate where you attained each of those experiences: mark on the map where you BEST attained each experience with the letter that corresponds to the experience attained.

For example, if you attained “to do something with your family” at the state park beach, you would place an “e” on the state park beach.

Satisfaction with Carlyle Lake features

4. Overall, how satisfied were you with your recent visit to this Lake?

VERY DISSATISFIED DISSATISFIED NEITHER SATISFIED VERY SATISFIED

5. How satisfied were you with each of the following at this Lake?

	VERY DISSASTIFIED		NEITHER		VERY SATISFIED		DID NOT VISIT
Beaches	1	2	3	4	5		N
Boat launches	1	2	3	4	5		N
Campsites	1	2	3	4	5		N
Picnic areas	1	2	3	4	5		N
Trails	1	2	3	4	5		N
Water level	1	2	3	4	5		N

Please explain anything you were dissatisfied with:

6. How would you evaluate the level of crowding at each of the following locales on this visit?

	FAR LESS THAN EXPECTED		AS EXPECTED		FAR MORE THAN EXPECTED		NO EXPECTATION	DIDNOT VISIT
Beaches	1	2	3	4	5	0		N
Boat launches	1	2	3	4	5	0		N
Campsites	1	2	3	4	5	0		N
Picnic areas	1	2	3	4	5	0		N
Trails	1	2	3	4	5	0		N

	FAR LESS THAN PREFERRED		AS PREFERRED		FAR MORE THAN PREFERRED		NO PREFERENCE	DIDNOT VISIT
Beaches	1	2	3	4	5	0		N
Boat launches	1	2	3	4	5	0		N
Picnic areas	1	2	3	4	5	0		N
Campsites	1	2	3	4	5	0		N
Trails	1	2	3	4	5	0		N

7. Did anything interfere with your Carlyle Lake experience on this visit? YES NO

If yes, please explain:

8. How did the number of people at the lake affect your overall enjoyment of your visit?

- _____ Added a lot to my enjoyment
- _____ Added a little to my enjoyment
- _____ No effect on my enjoyment
- _____ Detracted a little from my enjoyment
- _____ Detracted a lot from my enjoyment

9. Please read the following statements and circle the number that best represents how much of a problem you found each to be on this visit.

	NOT A PROBLEM	2	MODERATE PROBLEM	3	4	VERY SERIOUS PROBLEM	5	NOT APPLICABLE
Insufficient information about things to see and do	1	2	3	4	5	N		
Availability of navigation maps	1	2	3	4	5	N		
Not enough hiking trails	1	2	3	4	5	N		
Finding safe drinking water	1	2	3	4	5	N		
Finding a high quality campsite	1	2	3	4	5	N		
Finding campsites with adequate power supplies (50 amp)	1	2	3	4	5	N		
Not enough firewood	1	2	3	4	5	N		
Overall maintenance of the area	1	2	3	4	5	N		
Litter (where:	1	2	3	4	5	N		
Human body waste (where:	1	2	3	4	5	N		
Damage to or loss of personal property	1	2	3	4	5	N		
People being inconsiderate	1	2	3	4	5	N		
Too few rules and regulations	1	2	3	4	5	N		
Too many rules and regulations	1	2	3	4	5	N		
Not enough law enforcement	1	2	3	4	5	N		
Too much law enforcement	1	2	3	4	5	N		
Too many encounters with Corp of Engineers personnel	1	2	3	4	5	N		
Too few encounters with Corp of Engineers personnel	1	2	3	4	5	N		
Too few landings	1	2	3	4	5	N		
Poor quality landings	1	2	3	4	5	N		
Navigating among the waters	1	2	3	4	5	N		
Fluctuation in water levels	1	2	3	4	5	N		
Meeting too many other watercraft	1	2	3	4	5	N		
Too much noise on the lake	1	2	3	4	5	N		
Unsafe operation of personal watercraft	1	2	3	4	5	N		
Inadequate toilet facilities at landings	1	2	3	4	5	N		
Inadequate floating facilities on the lake	1	2	3	4	5	N		
Inadequate number of marina slips	1	2	3	4	5	N		

**10. How familiar are you with each segment of the Kaskaskia River and its lakes in Illinois?
(Circle One Number for Each)**

	NOT AT ALL FAMILIAR	SOMEWHAT FAMILIAR	VERY FAMILIAR
Lake Shelbyville	1	2	3
River from Lake Shelbyville to Carlyle Lake	1	2	3
Carlyle Lake	1	2	3
Carlyle Lake to Mississippi (Navigation project)	1	2	3

11. For each of the following statements about this lake and the Kaskaskia River, please CIRCLE the number that shows how much you agree or disagree with each.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
The water quality of this lake is good.	1	2	3	4	5
The area along and near the lake is safe	1	2	3	4	5
Recreational use of this lake is important to the economy of the local area.	1	2	3	4	5
The lake is inviting.	1	2	3	4	5
Erosion of the lake shore is a serious problem.	1	2	3	4	5
Commercial Navigation (barges) on the Kaskaskia River is important to the economy of the region.	1	2	3	4	5
There are many conflicts between local residents and recreation users of the Kaskaskia River in the local area.	1	2	3	4	5
This lake is important to the economy of its local area.	1	2	3	4	5

Boating experiences at Carlyle Lake

IF YOU DIDN'T BOAT THE DAY WE CONTACTED YOU, PLEASE SKIP THIS PAGE

12. Below are some statements about boating at the lake. For each statement, please circle the response that best describes your feelings about your visit to the lake on the day we interviewed you.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
I thoroughly enjoyed my boat trip that day	1	2	3	4	5
I avoided my favorite parts of the lake because there were too many boats there	1	2	3	4	5
I had many other choices of lakes I could have used	1	2	3	4	5
I stayed off the lake during parts of the day because there were too many boats on the lake	1	2	3	4	5
My boating trip was not as enjoyable as I expected it to be	1	2	3	4	5
There was an unsafe number of boats on the water	1	2	3	4	5
I thought the lake and its surroundings were in good condition	1	2	3	4	5
Other boats came closer to my boat than I like	1	2	3	4	5
There were many boating locations I could choose from during this trip	1	2	3	4	5
I do not want to go on any more boat trips like that one	1	2	3	4	5
The noise of other boats reduced my enjoyment on the lake	1	2	3	4	5
I felt free to adjust the time of my boating	1	2	3	4	5
My boat trip was well worth the money I spent to take it	1	2	3	4	5
There were too many houseboats on the lake	1	2	3	4	5
There are adequate law enforcement patrols on the lake	1	2	3	4	5
If I had known what it was going to be like on that trip, I would not have come to the lake	1	2	3	4	5
Boating conditions on the lake were safe	1	2	3	4	5
I was disappointed with some aspects of my boat trip	1	2	3	4	5
The number of boats on the lake reduced my enjoyment	1	2	3	4	5
I nearly had an accident on the lake because of crowded conditions	1	2	3	4	5
I was bothered by jet skis cutting too close to my boat	1	2	3	4	5
The behavior of other boaters interfered with the quality of my boating experience	1	2	3	4	5
I did not like the amount of time I had to wait to get on the water	1	2	3	4	5
I intend to visit this lake again in the future	1	2	3	4	5

I did not participate in some boating activities because of crowded conditions at the lake	1	2	3	4	5
The presence of personal watercraft interfered with the quality of my boating experience	1	2	3	4	5
The lake is overdeveloped in terms of accommodations	1	2	3	4	5

13. Do you have any comments?

THANK YOU FOR YOUR PARTICIPATION!

If you want more information about this study, contact Dr. Ingrid Schneider,
115 Green Hall, 1530 Cleveland Avenue North, St. Paul, MN 55108-1027, 612-624-2250.

16 U.S.C. 1a-7 authorizes collection of this information. This information will be used by area managers to better serve the public. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. Your name is used for follow-up mailing purposes only. When analysis of the questionnaire is completed, all name and address files will be destroyed. Thus permanent data will be anonymous. Data collected through visitor surveys may be disclosed to the Department of Justice when relevant to litigation or anticipated litigation, or to appropriate Federal, State, local or foreign agencies responsible for investigating or prosecuting a violation of law. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Public reporting for this form is estimated to average 15 minutes per response. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, WASO Administrative Program Center.

Appendix D: Reminder postcard

Dear Corps of Engineer Lake Visitor:

We recently contacted you concerning your lake visit. If you have already completed a questionnaire, accept our sincere thanks. If you've not already done so, please complete the survey and return it by mail. For a replacement survey, call 612.624.2250 or email heis0068@umn.edu.

Your response will improve your next Corps of Engineers lake visit: please reply today. Thanks!

Sincerely,

Ingrid E. Schneider, Ph.D.
Project leader

Appendix E: Reminder letter

Carlyle Lake Visitor Survey

Dear Carlyle Lake Visitor:

We recently contacted you about an opportunity to share your opinions related to Corps of Engineer lake visits. If you have already completed this survey, please accept our sincere thanks!

Each response is essential to the success of the study, as you are one of a small group chosen to represent Corps of Engineers lake visitors. The survey should take just 15 minutes to complete and will provide important input for area managers.

Your participation is completely voluntary and the information you provide is both confidential and anonymous. Once our mailing procedures are complete, your name will be destroyed. If you have any questions or concerns about the survey, please feel free to phone me at 612.624.2250 or email me at ingridss@umn.edu.

Thank you in advance for your cooperation. We look forward to receiving your survey within one week.

Sincerely,

Ingrid E. Schneider, Project leader

**Appendix F: Lake Visitor Survey Results
Carlyle Lake, Summer 2003**

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____ 34.3% AM/ 65.7% PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

59.0% **The day** (how many hours): _ Mean = 4.59 , S.D = 1.95 , n = 502 ___ HOURS

41.0% **Overnight** (number of total nights stayed): M = 4.92 , S.D. = 3.86 , n = 374 ___ NIGHTS

3. Is today's visit your first visit to the lake (circle one)? 9.6% YES 90.4% NO

If no,

How many times **total** have you visited this lake (including this visit)?

___ M = 29.73 , S.D. = 35.16 , n = 471 ___TIMES OR 36.0% ___ I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

___ M = 12.58 , S.D. = 22.0 , n = 704 ___TIMES OR 12.1% ___ I CANNOT REMEMBER

How many years have you been coming to this lake? M = 15.85 , S.D. = 11.34 , n = 784_

5. With whom are you visiting today? (Please select only one item)

___ 8.9% ALONE

___ 47.1% WITH MEMBERS OF YOUR IMMEDIATE FAMILY

___ 5.1% WITH OTHER RELATIVES

___ 20.4% WITH FRIENDS

___ 17.4% WITH BOTH FRIENDS AND FAMILY

___ 1.1% WITH OTHER MEMBERS OF AN ORGANIZED GROUP

(E.G. SCOUTS, NATURE GROUP, CAMPING CLUBS, ETC.)

5. Including yourself, how many people were in your group on this visit?

___ M = 2.80 , S.D. = 1.57 , n = 914 ___ ADULTS (18+)

___ M = 2.77 , S.D. = 1.71 , n = 442 _ CHILDREN

6. What was your main recreational activity during your time at the lake (check one)?

1.2% BICYCLING

2.6% JET SKIING

3.3% SUNBATHING

24.1% CAMPING

5.9% MOTORBOATING

11.8% SWIMMING

0% CANOEING/KAYAKING

0.5% OBSERVING/PHOTOGRAGHING

0% USINGPLAYGROUNDS

0.3% DRIVING FOR PLEASURE

WILDLIFE OR NATURE

0% VOLLEYBALL

33.7% FISHING

2.8% PICNICKING

0.9% WALKING/HIKING

0.1% HORSEBACK RIDING

9.9% RELAXING/STRESS REDUCTION

0.8% WATERSKIING

0.1% HOUSEBOATING

0.9% SAILING

0% WINDSURFING/ SAILBOARDING

0% HUNTING

1.1% OTHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? 50.4% ___ YES 49.6% ___ NO

If yes, which ones? 100% ___ CARLYLE LAKE 20.5% ___ LAKE SHELBYVILLE

40.8% ___ OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.		$\underline{M} = 3.54$, S.D. = 1.00 , n = 904			
I wouldn't substitute any other area for doing the types of things I do at this lake.		$\underline{M} = 3.24$, S.D. = 1.11 , n = 906			
The things I do at this lake I would enjoy doing just as much at a similar site.		$\underline{M} = 2.41$, S.D. = 1.07 , n = 909			
This lake is the best place for what I like to do.		$\underline{M} = 3.51$, S.D. = 1.05 , n = 900			
No other place can compare to this lake.		$\underline{M} = 2.98$, S.D. = 1.13 , n = 881			
I get more satisfaction out of visiting this lake than any other.		$\underline{M} = 3.27$, S.D. = 1.08 , n = 893			
This lake means a lot to me.		$\underline{M} = 3.77$, S.D. = 0.95 , n = 905			
Visiting this lake says a lot about who I am.		$\underline{M} = 3.28$, S.D. = 1.04 , n = 901			
I feel this lake is a part of me.		$\underline{M} = 3.18$, S.D. = 1.08 , n = 898			
This lake is very special to me.		$\underline{M} = 3.49$, S.D. = 1.02 , n = 902			
I identify strongly with this lake.		$\underline{M} = 3.39$, S.D. = 1.03 , n = 902			
I am very attached to this lake.		$\underline{M} = 3.42$, S.D. = 1.06 , n = 908			

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)?

EIGHTH GRADE	HIGH SCHOOL/ GED	TECH SCHOOL	SOME COLLEGE	COLLEGE DEGREE	ADVANCED DEGREE
2.1%	36.3%	5.7%	28.9%	21.1%	5.9%

10. In what ethnicity and race would you place yourself?

Ethnicity: 4.9% HISPANIC OR LATINO 95.1% NOT HISPANIC OR LATINO
Race (check all that apply):
 4.7% AMERICAN INDIAN OR ALASKA NATIVE 1.4% ASIAN
 8.9% BLACK OR AFRICAN AMERICAN 0.5% NATIVE HAWAIIAN OR OTHER
 82.8% white 1.6% other, explain:

What language do you speak most of the time?

97.7% ENGLISH 0.9% SPANISH 1.4% OTHER

12. What language do you read most of the time?

98.5% ENGLISH 0.7% SPANISH 0.9% OTHER

13. What is your annual household income (before taxes)?

2.6% LESS THAN \$5,000	1.0% \$5,000-9,999	1.4% \$10,000-14,999
16.8% \$15,000-24,999	13.8% \$25,000-34,999	12.9% \$35,000-49,999
29.4% \$50,000-74,999	12.8% \$75,000-99,999	4.0% \$100,000-124,999
1.6% \$125,000-149,999	1.5% \$150,000-174,999	2.1% \$175,000 OR MORE

14. How many people are supported by this income?

$\underline{M} = 2.77$, S.D. = 1.37 n = 830 PERSON/S

15. Are you? 57.0% MALE 43.0% FEMALE

16. What year were you born? AGE $\underline{M} = 45.44$, S.D. = , n = 863

Your Experiences at Carlyle Lake

1. What was your main recreational activity during the lake visit where we contacted you (check only one)?

0.9% BICYCLING	1.7% JET SKIING	0.4% SUNBATHING
37.1% CAMPING	6.5% MOTORBOATING	9.1% SWIMMING
0% CANOEING/KAYAKING	0% OBSERVING/PHOTOGRAPHING	0% USING PLAYGROUNDS
0% DRIVING FOR PLEASURE	WILDLIFE OR NATURE	0% VOLLEYBALL
34.1% FISHING	0.4% PICNICKING	0.9% WALKING/HIKING
0% HORSEBACK RIDING	4.3% RELAXING/STRESS REDUCTION	1.3% WATERSKIING
0% HOUSEBOATING	1.7% SAILING	0% WINDSURFING/SAILBOARDING
0% HUNTING		0.9% OTHER (LIST BELOW)

2. Below is a list of possible experiences visitors may have at this lake. Please examine the list of possible experiences. Then, 1) indicate how important each experience was to you on the day we contacted you by circling the corresponding number, 2) for experiences rated a 4 or 5 for importance, indicate how much you were able to attain this experience at the lake by circling the appropriate number.

(1) Importance (2) Attainment

Experience	Very Unimportant	Unimportant	Neither	Important	Very Important	Did not Attain	Somewhat Attained	Moderately Attained	Totally Attained
a. To be on my own	$\bar{M} = 3.36, S.D. = 1.20, n = 211$					$\bar{M} = 3.18, S.D. = 0.72, n = 89$			
b. To use my own equipment	$\bar{M} = 3.92, S.D. = 1.09, n = 212$					$\bar{M} = 3.72, S.D. = 0.56, n = 128$			
c. To have a wilderness experience	$\bar{M} = 3.29, S.D. = 1.14, n = 208$					$\bar{M} = 3.11, S.D. = 0.73, n = 83$			
d. To experience nature	$\bar{M} = 3.79, S.D. = 1.10, n = 210$					$\bar{M} = 3.41, S.D. = 0.70, n = 123$			
e. To do something with my family	$\bar{M} = 4.31, S.D. = 1.05, n = 215$					$\bar{M} = 3.71, S.D. = 0.57, n = 157$			
f. To be with members of my group	$\bar{M} = 3.74, S.D. = 1.13, n = 210$					$\bar{M} = 3.66, S.D. = 0.61, n = 108$			
g. To be with people who enjoy same things I do	$\bar{M} = 3.85, S.D. = 1.20, n = 219$					$\bar{M} = 3.64, S.D. = 0.62, n = 124$			
h. To meet new people	$\bar{M} = 3.09, S.D. = 1.18, n = 212$					$\bar{M} = 3.17, S.D. = 0.73, n = 63$			
i. To participate in recreational activities	$\bar{M} = 3.65, S.D. = 1.12, n = 208$					$\bar{M} = 3.44, S.D. = 0.71, n = 116$			
j. To learn about the cultural history of the area	$\bar{M} = 2.93, S.D. = 1.14, n = 207$					$\bar{M} = 3.09, S.D. = 0.81, n = 46$			
k. To learn about the natural history of the area	$\bar{M} = 3.04, S.D. = 1.12, n = 207$					$\bar{M} = 3.00, S.D. = 0.84, n = 55$			
l. To experience new and different things	$\bar{M} = 3.40, S.D. = 1.12, n = 209$					$\bar{M} = 2.99, S.D. = 0.71, n = 82$			
m. To test my skills and abilities	$\bar{M} = 3.41, S.D. = 1.12, n = 213$					$\bar{M} = 3.26, S.D. = 0.67, n = 86$			
n. To enjoy the scenery of the lake	$\bar{M} = 4.24, S.D. = 1.02, n = 220$					$\bar{M} = 3.61, S.D. = 0.62, n = 164$			
o. To think about my personal values	$\bar{M} = 3.51, S.D. = 1.20, n = 207$					$\bar{M} = 3.43, S.D. = 0.68, n = 92$			
p. To be close to nature	$\bar{M} = 3.92, S.D. = 1.03, n = 212$					$\bar{M} = 3.42, S.D. = 0.66, n = 134$			
q. To be creative by doing something such as sketching, painting, taking photographs	$\bar{M} = 2.71, S.D. = 1.18, n = 211$					$\bar{M} = 3.36, S.D. = 0.64, n = 36$			
r. To get exercise	$\bar{M} = 3.55, S.D. = 1.12, n = 212$					$\bar{M} = 3.24, S.D. = 0.69, n = 101$			
s. To be away from other people	$\bar{M} = 3.31, S.D. = 1.23, n = 211$					$\bar{M} = 3.11, S.D. = 0.79, n = 70$			
t. To relax physically	$\bar{M} = 4.05, S.D. = 1.03, n = 219$					$\bar{M} = 3.46, S.D. = 0.70, n = 144$			
u. To experience solitude	$\bar{M} = 3.33, S.D. = 1.17, n = 206$					$\bar{M} = 3.23, S.D. = 0.69, n = 80$			
v. To get away from the usual demands of life	$\bar{M} = 4.17, S.D. = 1.02, n = 213$					$\bar{M} = 3.48, S.D. = 0.66, n = 148$			
w. To have thrills and excitement	$\bar{M} = 3.37, S.D. = 1.11, n = 209$					$\bar{M} = 3.26, S.D. = 0.68, n = 76$			
x. To share my skill and knowledge with others	$\bar{M} = 3.16, S.D. = 1.12, n = 210$					$\bar{M} = 3.17, S.D. = 0.75, n = 53$			
y. To challenge myself	$\bar{M} = 3.24, S.D. = 1.11, n = 209$					$\bar{M} = 3.17, S.D. = 0.76, n = 65$			
z. To feel healthier	$\bar{M} = 3.86, S.D. = 1.06, n = 214$					$\bar{M} = 3.34, S.D. = 0.66, n = 123$			

- 3. Consider the experiences listed on the previous page that you attained. On the map below, indicate where you attained each of those experiences: mark on the map where you BEST attained each experience with the letter that corresponds to the experience attained.**

For example, if you attained “to do something with your family” at the state park beach, you would place an “e” on the state park beach.

Satisfaction with Carlyle Lake features

4. Overall, how satisfied were you with your recent visit to this Lake?

VERY DISSATISFIED 1.2%	DISSATISFIED 3.5%	NEITHER 1.2%	SATISFIED 57.8%	VERY SATISFIED 36.4%
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5. How satisfied were you with each of the following at this Lake?

	VERY DISSASTIFIED	NEITHER	VERY SATISFIED	DID NOT VISIT
Beaches		$\underline{M} = 3.92$, $SD = 1.15$, $n = 216$	39.8%	
Boat launches		$\underline{M} = 4.18$, $SD = 1.02$, $n = 216$	41.7%	
Campsites		$\underline{M} = 4.23$, $SD = 1.12$, $n = 218$	31.7%	
Picnic areas		$\underline{M} = 4.27$, $SD = 0.94$, $n = 215$	44.7%	
Trails		$\underline{M} = 4.01$, $SD = 0.93$, $n = 213$	67.6%	
Water level		$\underline{M} = 3.71$, $SD = 1.29$, $n = 216$	9.7%	

Please explain anything you were dissatisfied with:

6. How would you evaluate the level of crowding at each of the following locales on this visit?

	FAR LESS THAN EXPECTE	AS EXPECTED	FAR MORE THAN EXPECTED	NO EXPECTATION	DID NOT VISIT
Beaches		$\underline{M} = 2.85$, $SD = 1.05$, $n = 216$		1.4%	41.7%
Boat launches		$\underline{M} = 2.98$, $SD = 1.14$, $n = 217$		3.2%	41.0%
Campsites		$\underline{M} = 3.45$, $SD = 1.12$, $n = 218$		1.4%	30.7%
Picnic areas		$\underline{M} = 2.95$, $SD = 1.16$, $n = 215$		2.8%	47.9%
Trails		$\underline{M} = 2.58$, $SD = 1.17$, $n = 212$		1.9%	69.3%

	FAR LESS THAN PREFERRED	AS PREFERRED	FAR MORE THAN PREFERRED	NO PREFERENCE	DID NOT VISIT
Beaches		$\underline{M} = 2.91$, $SD = 1.40$, $n = 185$		5.9%	43.8%
Boat launches		$\underline{M} = 2.97$, $SD = 1.38$, $n = 183$		6.0%	44.3%
Picnic areas		$\underline{M} = 2.97$, $SD = 1.33$, $n = 182$		6.6%	46.2%
Campsites		$\underline{M} = 3.26$, $SD = 1.44$, $n = 187$		7.5%	30.5%
Trails		$\underline{M} = 2.46$, $SD = 1.58$, $n = 170$		7.2%	68.3%

8. Did anything interfere with your Carlyle Lake experience on this visit?

23.4% YES 76.6% NO

If yes, please explain:

8. How did the number of people at the lake affect your overall enjoyment of your visit?

- 13.1% Added a lot to my enjoyment
- 10.9% Added a little to my enjoyment
- 52.9% No effect on my enjoyment
- 19.9% Detracted a little from my enjoyment
- 3.2% Detracted a lot from my enjoyment

9. Please read the following statements and circle the number that best represents how much of a problem you found each to be on this visit.

	NOT A PROBLEM	MODERATE PROBLEM	VERY SERIOUS PROBLEM	NOT APPLICABLE
Insufficient information about things to see and do		$\underline{M} = 1.48$, $SD = 0.97$, $n = 214$		14.0%
Availability of navigation maps		$\underline{M} = 1.58$, $SD = 1.10$, $n = 212$		24.1%
Not enough hiking trails		$\underline{M} = 1.49$, $SD = 1.06$, $n = 212$		42.0%
Finding safe drinking water		$\underline{M} = 1.58$, $SD = 1.15$, $n = 216$		19.0%
Finding a high quality campsite		$\underline{M} = 1.71$, $SD = 1.19$, $n = 212$		25.9%
Finding campsites with adequate power supplies (50 amp)		$\underline{M} = 1.57$, $SD = 1.18$, $n = 213$		31.0%
Not enough firewood		$\underline{M} = 2.12$, $SD = 1.41$, $n = 211$		36.5%
Overall maintenance of the area		$\underline{M} = 1.54$, $SD = 1.00$, $n = 215$		3.3%
Litter (where:		$\underline{M} = 1.59$, $SD = 1.16$, $n = 209$		3.8%
Human body waste (where:		$\underline{M} = 1.18$, $SD = 0.68$, $n = 212$		10.4%
Damage to or loss of personal property		$\underline{M} = 1.14$, $SD = 0.59$, $n = 214$		13.6%
People being inconsiderate		$\underline{M} = 1.79$, $SD = 1.20$, $n = 214$		4.7%
Too few rules and regulations		$\underline{M} = 1.32$, $SD = 0.84$, $n = 209$		5.7%
Too many rules and regulations		$\underline{M} = 1.36$, $SD = 0.92$, $n = 213$		7.0%
Not enough law enforcement		$\underline{M} = 1.53$, $SD = 1.10$, $n = 211$		6.2%
Too much law enforcement		$\underline{M} = 1.21$, $SD = 0.73$, $n = 210$		7.1%
Too many encounters with Corp of Engineers personnel		$\underline{M} = 1.16$, $SD = 0.66$, $n = 212$		7.1%
Too few encounters with Corp of Engineers personnel		$\underline{M} = 1.31$, $SD = 0.78$, $n = 210$		8.6%
Too few landings		$\underline{M} = 1.52$, $SD = 1.10$, $n = 211$		28.9%
Poor quality landings		$\underline{M} = 1.43$, $SD = 0.99$, $n = 210$		30.0%
Navigating among the waters		$\underline{M} = 1.41$, $SD = 0.89$, $n = 208$		31.3%
Fluctuation in water levels		$\underline{M} = 2.01$, $SD = 1.34$, $n = 210$		25.2%
Meeting too many other watercraft		$\underline{M} = 1.71$, $SD = 1.14$, $n = 211$		33.2%
Too much noise on the lake		$\underline{M} = 1.35$, $SD = 0.87$, $n = 212$		18.4%
Unsafe operation of personal watercraft		$\underline{M} = 1.73$, $SD = 1.23$, $n = 212$		28.3%
Inadequate toilet facilities at landings		$\underline{M} = 1.55$, $SD = 1.02$, $n = 213$		24.4%
Inadequate floating facilities on the lake		$\underline{M} = 1.53$, $SD = 1.09$, $n = 211$		35.1%
Inadequate number of marina slips		$\underline{M} = 1.60$, $SD = 1.19$, $n = 212$		40.6%

10. How familiar are you with each segment of the Kaskaskia River and its lakes in Illinois? (Circle One Number for Each)

	NOT AT ALL FAMILAR	SOMEWHAT FAMILIAR	VERY FAMILIAR
Lake Shelbyville	$\underline{M} = 1.51$, S.D. = 0.67 , n = 209		
River from Lake Shelbyville to Carlyle Lake	$\underline{M} = 1.28$, S.D. = 0.52 , n = 204		
Carlyle Lake	$\underline{M} = 2.61$, S.D. = 0.57 , n = 225		
Carlyle Lake to Mississippi (Navigation project)	$\underline{M} = 1.40$, S.D. = 0.64 , n = 208		

11. For each of the following statements about this lake and the Kaskaskia River, please CIRCLE the number that shows how much you agree or disagree with each.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
The water quality of this lake is good.	$\underline{M} = 3.48$, $SD = 1.01$, n = 221				
The area along and near the lake is safe	$\underline{M} = 3.75$, $SD = 0.84$, n = 226				
Recreational use of this lake is important to the economy of the local area.	$\underline{M} = 4.31$, $SD = 0.75$, n = 226				
The lake is inviting.	$\underline{M} = 4.22$, $SD = 0.69$, n = 226				
Erosion of the lake shore is a serious problem.	$\underline{M} = 3.15$, $SD = 1.05$, n = 221				
Commercial Navigation (barges) on the Kaskaskia River is important to the economy of the region.	$\underline{M} = 3.13$, $SD = 0.95$, n = 216				
There are many conflicts between local residents and recreation users of the Kaskaskia River in the local area.	$\underline{M} = 2.90$, $SD = 0.85$, n = 217				
This lake is important to the economy of its local area.	$\underline{M} = 4.35$, $SD = 0.74$, n = 224				

Boating experiences at Carlyle Lake

IF YOU DIDN'T BOAT THE DAY WE CONTACTED YOU, PLEASE SKIP THIS PAGE

12. Below are some statements about boating at the lake. For each statement, please circle the response that best describes your feelings about your visit to the lake on the day interviewed.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
I thoroughly enjoyed my boat trip that day	$\underline{M} = 4.16$, $SD = 0.81$, $n = 102$				
I avoided my favorite parts of the lake because there were too many boats there	$\underline{M} = 2.34$, $SD = 1.09$, $n = 99$				
I had many other choices of lakes I could have used	$\underline{M} = 3.26$, $SD = 1.12$, $n = 98$				
I stayed off the lake during parts of the day because there were too many boats on the lake	$\underline{M} = 2.33$, $SD = 1.08$, $n = 99$				
My boating trip was not as enjoyable as I expected it to be	$\underline{M} = 2.13$, $SD = 1.03$, $n = 98$				
There was an unsafe number of boats on the water	$\underline{M} = 2.06$, $SD = 0.88$, $n = 98$				
I thought the lake and its surroundings were in good condition	$\underline{M} = 3.93$, $SD = 0.84$, $n = 99$				
Other boats came closer to my boat than I like	$\underline{M} = 2.58$, $SD = 1.13$, $n = 98$				
There were many boating locations I could choose from during this trip	$\underline{M} = 3.64$, $SD = 0.95$, $n = 96$				
I do not want to go on any more boat trips like that one	$\underline{M} = 1.90$, $SD = 0.99$, $n = 99$				
The noise of other boats reduced my enjoyment on the lake	$\underline{M} = 1.93$, $SD = 0.95$, $n = 100$				
I felt free to adjust the time of my boating	$\underline{M} = 3.92$, $SD = 0.86$, $n = 100$				
My boat trip was well worth the money I spent to take it	$\underline{M} = 4.06$, $SD = 0.83$, $n = 99$				
There were too many houseboats on the lake	$\underline{M} = 1.96$, $SD = 0.85$, $n = 98$				
There are adequate law enforcement patrols on the lake	$\underline{M} = 3.25$, $SD = 1.12$, $n = 99$				
If I had known what it was going to be like on that trip, I would not have come to the lake	$\underline{M} = 1.91$, $SD = 1.04$, $n = 99$				
Boating conditions on the lake were safe	$\underline{M} = 3.96$, $SD = 0.76$, $n = 98$				
I was disappointed with some aspects of my boat trip	$\underline{M} = 2.28$, $SD = 1.11$, $n = 96$				
The number of boats on the lake reduced my enjoyment	$\underline{M} = 2.17$, $SD = 1.00$, $n = 98$				
I nearly had an accident on the lake because of crowded conditions	$\underline{M} = 1.83$, $SD = 1.01$, $n = 99$				
I was bothered by jet skis cutting too close to my boat	$\underline{M} = 2.67$, $SD = 1.36$, $n = 100$				
The behavior of other boaters interfered with the quality of my boating experience	$\underline{M} = 2.35$, $SD = 1.12$, $n = 99$				
I did not like the amount of time I had to wait to get on the water	$\underline{M} = 2.25$, $SD = 1.05$, $n = 99$				
I intend to visit this lake again in the future	$\underline{M} = 4.45$, $SD = 0.67$, $n = 101$				
I did not participate in some boating activities because of crowded conditions at the lake	$\underline{M} = 2.12$, $SD = 1.05$, $n = 98$				
The presence of personal watercraft interfered with the quality of my boating experience	$\underline{M} = 2.40$, $SD = 1.17$, $n = 100$				
The lake is overdeveloped in terms of accommodations	$\underline{M} = 2.18$, $SD = 1.03$, $n = 101$				

**Appendix G: Lake Visitor Survey Results
Carlyle Lake, Fall 2003**

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____ 61.2% AM/ 38.8% PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

64.8 % **The day** (how many hours): __ M = 4.09 , S.D. = 2.29 , n = 44 ___ HOURS

35.2 % **Overnight** (number of total number of nights stayed): M = 5.25, S.D. = 3.92 , n = 24 ___ NIGHTS

3. Is today's visit your first visit to the lake (circle one)? 7.0% YES 93.0% NO, n = 71

If no,

How many times **total** have you visited this lake (including this visit)?

M = 21.27 , S. D. = 33.18 , n = 15 ___TIMES OR 76.9 % I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

M = 5.37 , S.D. = 3.03 , n = 27 ___TIMES OR 60.3 % I CANNOT REMEMBER

How many years have you been coming to this lake? M=14.76, S.D.=10.83, n = 38 YEARS

4. With whom are you visiting today? (Please select only one item) n = 74

23.0% ___ALONE

40.5% ___WITH MEMBERS OF YOUR IMMEDIATE FAMILY

2.7% ___WITH OTHER RELATIVES

25.7% ___WITH FRIENDS

8.1% ___WITH BOTH FRIENDS AND FAMILY

0.0% ___WITH OTHER MEMBERS OF AN ORGANIZED GROUP

5. Including yourself, how many people were in your group on this visit?

M = 2.33 , S.D. = 1.45 , n = 72_ ADULTS (18+)

M = 2.36 , S.D. = 1.69 , n = 14_ CHILDREN

6. What was your main recreational activity during your time at the lake (check one)?

n = 74

4.1%_BICYCLING

2.7%_JET SKIING

0.0%_SUNBATHING

28.4%_CAMPING

4.1%_MOTORBOATING

1.4%_SWIMMING

0.0_CANOEING/KAYAKING

2.7%_OBSERVING/PHOTOGRAPHING

1.4%_USINGPLAYGROUNDS

2.7%_DRIVING FOR PLEASURE

WILDLIFE OR NATURE

0.0%_VOLLEYBALL

33.8%_FISHING

6.8%_PICNICKING

1.4%_WALKING/HIKING

0.0%_HORSEBACK RIDING

5.4%_RELAXING/STRESS REDUCTION

1.4%_WATERSKIING

0.0%_HOUSEBOATING

0.0%_SAILING

0.0%_WINDSURFING/ SAILBOARDING

2.7%_HUNTING

1.4%_OHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? ___32.9% YES ___ 67.1% NO

If yes, which ones? N/A CARLYLE LAKE 75.0% LAKE SHELBYVILLE 41.7% OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.		$\underline{M} = 3.42$, S.D. = 1.03 , n = 73			
I wouldn't substitute any other area for doing the types of things I do at this lake.		$\underline{M} = 3.26$, S.D. = 1.12 , n = 74			
The things I do at this lake I would enjoy doing just as much at a similar site.		$\underline{M} = 2.22$, S.D. = 0.90, n = 74			
This lake is the best place for what I like to do.		$\underline{M} = 3.41$, S.D. = 1.06 , n = 74			
No other place can compare to this lake.		$\underline{M} = 3.20$, S.D. = 1.06 , n = 74			
I get more satisfaction out of visiting this lake than any other.		$\underline{M} = 3.32$, S.D. = 1.10 , n = 73			
This lake means a lot to me.		$\underline{M} = 3.95$, S.D. = 0.74 , n = 73			
Visiting this lake says a lot about who I am.		$\underline{M} = 3.23$, S.D. = 1.09 , n = 73			
I feel this lake is a part of me.		$\underline{M} = 3.18$, S.D. = 1.09 , n = 73			
This lake is very special to me.		$\underline{M} = 3.60$, S.D. = 1.10 , n = 72			
I identify strongly with this lake.		$\underline{M} = 3.35$, S.D. = 0.99 , n = 74			
I am very attached to this lake.		$\underline{M} = 3.58$, S.D. = 0.93 , n = 72			

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)? n = 73

EIGHTH GRADE	HIGH SCHOOL/ GED	TECH SCHOOL	SOME COLLEGE	COLLEGE DEGREE	ADVANCED DEGREE
2.7%	47.9%	5.5%	23.3%	19.2%	1.4%

10. In what ethnicity and race would you place yourself? n = 36

Ethnicity: 0.0%__HISPANIC OR LATINO 100.0%__NOT HISPANIC OR LATINO

Race (check all that apply): n = 74

0.0%__AMERICAN INDIAN OR ALASKA NATIVE

0.0%__ ASIAN

18.9%__BLACK OR AFRICAN AMERICAN

0.0%_NATIVE HAWAIIAN OR
PACIFIC ISLANDER

81.1%_ WHITE

0.0%_ OTHER, EXPLAIN:

12. What language do you speak most of the time? n = 73

100.0%_ENGLISH 0.0%_SPANISH 0.0 %_OTHER (SPECIFY)_____

12. What language do you read most of the time? n = 73

100.0%_ENGLISH 0.0%_SPANISH 0.0%_OTHER (SPECIFY)_____

13. What is your annual household income (before taxes)? n = 66

0.0%_LESS THAN \$5,000	0.0%_ \$5,000-9,999	0.0%_ \$10,000-14,999
19.7%_ \$15,000-24,999	21.2%_ \$25,000-34,999	21.2%_ \$35,000-49,999
24.2%_ \$50,000-74,999	6.1%_ \$75,000-99,999	1.5%_ \$100,000-124,999
4.5%_ \$125,000-149,999	1.5%_ \$150,000-174,999	0.0%_ \$175,000 OR MORE

14. How many people are supported by this income? PERSON/S

$\underline{M} = 2.57$, S.D. = 1.13 , n = 65

15. Are you? 75.3%__MALE 24.7%__FEMALE , n = 73 **16. What year were you born?**

AGE $\underline{M} = 49.96$, S.D. = 15.53 , n = 57

**Appendix H: Lake Visitor Survey Results
Carlyle Lake, Spring 2004**

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____ 91.5% AM/ 8.5% PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

66.7 % **The day** (how many hours): __ M = 4.60 , S.D. = 1.81 , n = 40__ HOURS

33.3 % **Overnight** (number of total number of nights stayed): M = 3.26, S.D. = 1.76 , n = 23__ NIGHTS

3. Is today's visit your first visit to the lake (circle one)? 1.4% YES 98.6% NO, n = 73

If no,

How many times **total** have you visited this lake (including this visit)?

M = 14.42 , S. D. = 17.69 , n = 12__TIMES OR 82.1 % I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

M = 11.13 , S.D. = 13.79 , n = 23__TIMES OR 66.7 % I CANNOT REMEMBER

How many years have you been coming to this lake? M=19.44, S.D.=11.52, n = 50 YEARS

4. With whom are you visiting today? (Please select only one item) n = 71

36.6% __ALONE

21.1% __WITH MEMBERS OF YOUR IMMEDIATE FAMILY

9.9% __WITH OTHER RELATIVES

22.5% __WITH FRIENDS

8.5% __WITH BOTH FRIENDS AND FAMILY

1.4% __WITH OTHER MEMBERS OF AN ORGANIZED GROUP

5. Including yourself, how many people were in your group on this visit?

M = 2.47 , S.D. = 1.63 , n = 72_ ADULTS (18+)

M = 2.17 , S.D. = 0.41 , n = 6_ CHILDREN

6. What was your main recreational activity during your time at the lake (check one)?

n = 73

0.0%_BICYCLING

1.4%_JET SKIING

2.7%_SUNBATHING

24.7%_CAMPING

2.7%_MOTORBOATING

0.0%_SWIMMING

1.4%_CANOEING/KAYAKING

1.4%_OBSERVING/PHOTOGRAPHING

0.0%_USINGPLAYGROUNDS

2.7%_DRIVING FOR PLEASURE

WILDLIFE OR NATURE

0.0%_VOLLEYBALL

42.5%_FISHING

1.4%_PICNICKING

0.0%_WALKING/HIKING

0.0%_HORSEBACK RIDING

5.5%_RELAXING/STRESS REDUCTION

0.0%_WATERSKIING

1.4%_HOUSEBOATING

6.8%_SAILING

0.0%_WINDSURFING/SAILBOARDING

1.4%_HUNTING

4.1%_OHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? __55.7% YES __ 44.3% NO

If yes, which ones? N/A CARLYLE LAKE 56.4% LAKE SHELBYVILLE 74.4% OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.		$\underline{M} = 3.80$, S.D. = 0.81 , n = 65			
I wouldn't substitute any other area for doing the types of things I do at this lake.		$\underline{M} = 3.69$, S.D. = 0.85 , n = 65			
The things I do at this lake I would enjoy doing just as much at a similar site.		$\underline{M} = 2.48$, S.D. = 0.92, n =65			
This lake is the best place for what I like to do.		$\underline{M} = 3.86$, S.D. = 0.93 , n = 65			
No other place can compare to this lake.		$\underline{M} = 3.87$, S.D. = 0.85 , n = 63			
I get more satisfaction out of visiting this lake than any other.		$\underline{M} = 4.13$, S.D. = 0.85 , n = 63			
This lake means a lot to me.		$\underline{M} = 4.38$, S.D. = 0.58 , n = 63			
Visiting this lake says a lot about who I am.		$\underline{M} = 4.25$, S.D. = 0.87 , n = 64			
I feel this lake is a part of me.		$\underline{M} = 4.39$, S.D. = 0.81 , n = 64			
This lake is very special to me.		$\underline{M} = 4.49$, S.D. = 0.66 , n = 65			
I identify strongly with this lake.		$\underline{M} = 4.45$, S.D. = 0.69 , n = 65			
I am very attached to this lake.		$\underline{M} = 4.52$, S.D. = 0.69 , n = 65			

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)? n = 73

EIGHTH GRADE	HIGH SCHOOL/ GED	TECH SCHOOL	SOME COLLEGE	COLLEGE DEGREE	ADVANCED DEGREE
1.4%	35.6%	5.5%	38.4%	13.7%	5.5%

10. In what ethnicity and race would you place yourself? n = 65

Ethnicity: 3.1%_HISPANIC OR LATINO 96.9%_NOT HISPANIC OR LATINO

Race (check all that apply): n = 70

4.3%_AMERICAN INDIAN OR ALASKA NATIVE

0.0%_ASIAN

1.4%_BLACK OR AFRICAN AMERICAN

0.0%_NATIVE HAWAIIAN OR
PACIFIC ISLANDER

94.3%_WHITE

0.0%_ OTHER, EXPLAIN:

11. What language do you speak most of the time? n = 72

100.0%__ENGLISH 0.0%__SPANISH 0.0 %__OTHER (SPECIFY)_____

12. What language do you read most of the time? n = 72

100.0%__ENGLISH 0.0%__SPANISH 0.0%__OTHER (SPECIFY)_____

13. What is your annual household income (before taxes)? n = 67

3.0%_ LESS THAN \$5,000	0.0%_ \$5,000-9,999	0.0%_ \$10,000-14,999
7.5%_ \$15,000-24,999	4.5%_ \$25,000-34,999	11.9%_ \$35,000-49,999
23.9%_ \$50,000-74,999	26.9%_ \$75,000-99,999	9.0%_ \$100,000-124,999
13.4%_ \$125,000-149,999	0.0%_ \$150,000-174,999	0.0%_ \$175,000 OR MORE

14. How many people are supported by this income? PERSON/S

$\underline{M} = 2.32$, S.D. = 1.30 , n = 66

15. Are you? 80.3%__MALE 19.7%__FEMALE , n = 66 **16. What year were you born?**

AGE $\underline{M} = 44.60$, S.D. = 16.30 , n =62

**Appendix I: Lake Visitor Survey Results
Carlyle Lake, Summer 2004**

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____ 45.7% AM/ 54.3 % PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

59.4% **The day** (how many hours): M =5.12 , S.D =1.92 , n =507 HOURS

40.6% **Overnight** (number of total nights stayed): M =4.92 , S.D. =3.74 , n =368 NIGHTS

3. Is today's visit your first visit to the lake (circle one)? 5.6 % YES 94.4% NO

If no,

How many times **total** have you visited this lake (including this visit)?

M =40.76 , S.D. =39.72 , n =541 TIMES OR % I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

M =12.14 , S.D. =20.23 , n =755 TIMES OR % I CANNOT REMEMBER

How many years have you been coming to this lake? M =16.15 , S.D. =11.66 , n =774

6. With whom are you visiting today? (Please select only one item)

11.3% ALONE

45.5% WITH MEMBERS OF YOUR IMMEDIATE FAMILY

5.0% WITH OTHER RELATIVES

18.0% WITH FRIENDS

19.6% WITH BOTH FRIENDS AND FAMILY

.8% WITH OTHER MEMBERS OF AN ORGANIZED GROUP

(E.G. SCOUTS, NATURE GROUP, CAMPING CLUBS, ETC.)

5. Including yourself, how many people were in your group on this visit?

M =2.76 , S.D. =1.56 , n =915 ADULTS (18+)

M =2.38 , S.D. =1.39 , n =429 CHILDREN

7. What was your main recreational activity during your time at the lake (**check one**)?

1.4% BICYCLING

3.5% JET SKIING

.8 % SUNBATHING

19.7% CAMPING

11.5% MOTORBOATING

4.1% SWIMMING

0% CANOEING/KAYAKING

.2% OBSERVING/PHOTOGRAGHING

.9% USING PLAYGROUNDS

.3% DRIVING FOR PLEASURE

WILDLIFE OR NATURE

.1% VOLLEYBALL

43.7% FISHING

.9% PICNICKING

1.1% WALKING/HIKING

0% HORSEBACK RIDING

7.3% RELAXING/STRESS REDUCTION

2.3% WATERSKIING

0% HOUSEBOATING .8% SAILING

.1% WINDSURFING/ SAILBOARDING 0% HUNTING

1.4% OTHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? 62.9% YES 37.1 % NO

If yes, which ones? NA CARLYLE LAKE

25.7% LAKE SHELBYVILLE

% OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.		$\underline{M} = 3.51$, S.D. =1.07 , n = 900			
I wouldn't substitute any other area for doing the types of things I do at this lake.		$\underline{M} = 3.19$, S.D. =1.11 , n = 898			
The things I do at this lake I would enjoy doing just as much at a similar site.		$\underline{M} = 2.35$, S.D. =1.02 , n = 901			
This lake is the best place for what I like to do.		$\underline{M} = 3.49$, S.D. =1.08 , n = 901			
No other place can compare to this lake.		$\underline{M} = 2.93$, S.D. =1.15 , n = 873			
I get more satisfaction out of visiting this lake than any other.		$\underline{M} = 3.26$, S.D. =1.11 , n = 887			
This lake <u>M</u> s a lot to me.		$\underline{M} = 3.86$, S.D. =.91 , n = 901			
Visiting this lake says a lot about who I am.		$\underline{M} = 3.35$, S.D. =1.00 , n = 882			
I feel this lake is a part of me.		$\underline{M} = 3.20$, S.D. =1.05 , n = 881			
This lake is very special to me.		$\underline{M} = 3.51$, S.D. = 1.04 , n = 892			
I identify strongly with this lake.		$\underline{M} = 3.45$, S.D. =1.01 , n = 887			
I am very attached to this lake.		$\underline{M} = 3.48$, S.D. =1.04 , n = 899			

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)?

EIGHTH GRADE	HIGH SCHOOL/ GED	TECH SCHOOL	SOME COLLEGE	COLLEGE DEGREE	ADVANCED DEGREE
34.0%	34.0%	6.6%	27.3%	24.2%	6.1%

10. In what ethnicity and race would you place yourself?

Ethnicity: 5.0% HISPANIC OR LATINO 95.0% NOT HISPANIC OR LATINO
Race (check all that apply):
 2.5% AMERICAN INDIAN OR ALASKA NATIVE 2.0% ASIAN
 10.8% BLACK OR AFRICAN AMERICAN 0% NATIVE HAWAIIAN OR OTHER
 82.9% white 1.8% other, explain:

What language do you speak most of the time?

99.1% ENGLISH .1% SPANISH .8% OTHER

12. What language do you read most of the time?

99.4% ENGLISH .1% SPANISH .4% OTHER

13. What is your annual household income (before taxes)?

2.0% LESS THAN \$5,000	1.6% \$5,000-9,999	1.4% \$10,000-14,999
8.5% \$15,000-24,999	11.6% \$25,000-34,999	13.7% \$35,000-49,999
30.8% \$50,000-74,999	18.9% \$75,000-99,999	5.9% \$100,000-124,999
2.0% \$125,000-149,999	2.0% \$150,000-174,999	1.7% \$175,000 OR MORE

14. How many people are supported by this income?

$\underline{M} = 2.7$, S.D. = 1.25, n = 198 PERSON/S

15. Are you? 65.7% MALE 34.3% FEMALE

16. What year were you born? AGE $\underline{M} = 43.73$, S.D. = , n = 820

Your Experiences at Carlyle Lake

1. What was your main recreational activity during the lake visit where we contacted you (check only one)?

.9% BICYCLING	2.6% JET SKIING	.4% SUNBATHING
39.6% CAMPING	12.8% MOTORBOATING	1.3% SWIMMING
% CANOEING/KAYAKING	.4% OBSERVING/PHOTOGRAPHING	.4% USING PLAYGROUNDS
.4% DRIVING FOR PLEASUR	WILDLIFE OR NATURE	0% VOLLEYBALL
34.8% FISHING	% PICNICKING	1.3% WALKING/HIKING
0% HORSEBACK RIDING	4.8% RELAXING/STRESS REDUCTION	0% WATERSKIING
% HOUSEBOATING	0% SAILING	0% WINDSURFING/SAILBOARDING
0% HUNTING		0% OTHER (LIST BELOW)

2. Below is a list of possible experiences visitors may have at this lake. Please examine the list of possible experiences. Then, 1) indicate how important each experience was to you on the day we contacted you by circling the corresponding number, 2) for experiences rated a 4 or 5 for importance, indicate how much you were able to attain this experience at the lake by circling the appropriate number.

(1) Importance (2) Attainment

Experience	Very Unimportant	Unimportant	Neither	Important	Very Important	Did not Attain	Somewhat Attained	Moderately Attained	Totally Attained
a. To be on my own	$\bar{M} = 3.25, S.D. = 1.32, n = 213$					$\bar{M} = 3.02, S.D. = .99, n = 135$			
b. To use my own equipment	$\bar{M} = 3.90, S.D. = 1.13, n = 218$					$\bar{M} = 3.70, S.D. = .66, n = 153$			
c. To have a wilderness experience	$\bar{M} = 3.28, S.D. = 1.18, n = 210$					$\bar{M} = 2.93, S.D. = 1.04, n = 131$			
d. To experience nature	$\bar{M} = 3.83, S.D. = 1.05, n = 207$					$\bar{M} = 3.27, S.D. = .81, n = 151$			
e. To do something with my family	$\bar{M} = 4.17, S.D. = 1.11, n = 214$					$\bar{M} = 3.49, S.D. = .87, n = 156$			
f. To be with members of my group	$\bar{M} = 3.77, S.D. = 1.23, n = 210$					$\bar{M} = 3.30, S.D. = .98, n = 144$			
g. To be with people who enjoy same things I do	$\bar{M} = 3.94, S.D. = 1.14, n = 215$					$\bar{M} = 3.51, S.D. = .80, n = 148$			
h. To meet new people	$\bar{M} = 3.06, S.D. = 1.13, n = 216$					$\bar{M} = 2.62, S.D. = 1.03, n = 121$			
i. To participate in recreational activities	$\bar{M} = 3.63, S.D. = 1.16, n = 213$					$\bar{M} = 3.12, S.D. = .97, n = 139$			
j. To learn about the cultural history of the area	$\bar{M} = 2.84, S.D. = 1.03, n = 208$					$\bar{M} = 2.30, S.D. = 1.09, n = 107$			
k. To learn about the natural history of the area	$\bar{M} = 2.92, S.D. = 1.04, n = 212$					$\bar{M} = 2.30, S.D. = 1.06, n = 109$			
l. To experience new and different things	$\bar{M} = 3.24, S.D. = 1.06, n = 212$					$\bar{M} = 2.50, S.D. = .95, n = 118$			
m. To test my skills and abilities	$\bar{M} = 3.38, S.D. = 1.07, n = 214$					$\bar{M} = 2.84, S.D. = 1.00, n = 125$			
n. To enjoy the scenery of the lake	$\bar{M} = 4.28, S.D. = 1.00, n = 216$					$\bar{M} = 3.45, S.D. = .76, n = 164$			
o. To think about my personal values	$\bar{M} = 3.30, S.D. = 1.10, n = 210$					$\bar{M} = 2.88, S.D. = 1.01, n = 118$			
p. To be close to nature	$\bar{M} = 3.80, S.D. = 1.04, n = 215$					$\bar{M} = 3.33, S.D. = .77, n = 144$			
q. To be creative by doing something such as sketching, painting, taking photographs	$\bar{M} = 2.41, S.D. = 1.01, n = 210$					$\bar{M} = 2.05, S.D. = 1.12, n = 98$			
r. To get exercise	$\bar{M} = 3.42, S.D. = 1.12, n = 210$					$\bar{M} = 3.02, S.D. = .91, n = 133$			
s. To be away from other people	$\bar{M} = 3.11, S.D. = 1.19, n = 212$					$\bar{M} = 2.66, S.D. = .98, n = 117$			
t. To relax physically	$\bar{M} = 4.08, S.D. = 1.02, n = 214$					$\bar{M} = 3.40, S.D. = .68, n = 155$			
u. To experience solitude	$\bar{M} = 3.33, S.D. = 1.17, n = 211$					$\bar{M} = 2.88, S.D. = 1.02, n = 120$			
v. To get away from the usual demands of life	$\bar{M} = 4.17, S.D. = 1.04, n = 217$					$\bar{M} = 3.44, S.D. = .70, n = 156$			
w. To have thrills and excitement	$\bar{M} = 3.32, S.D. = 1.07, n = 216$					$\bar{M} = 2.81, S.D. = 1.03, n = 127$			
x. To share my skill and knowledge with others	$\bar{M} = 3.13, S.D. = 1.08, n = 214$					$\bar{M} = 2.55, S.D. = 1.04, n = 112$			
y. To challenge myself	$\bar{M} = 3.23, S.D. = 1.05, n = 213$					$\bar{M} = 2.61, S.D. = .98, n = 117$			
z. To feel healthier	$\bar{M} = 3.67, S.D. = 1.14, n = 212$					$\bar{M} = 3.09, S.D. = .80, n = 127$			

- 3. Consider the experiences listed on the previous page that you attained. On the map below, indicate where you attained each of those experiences: mark on the map where you BEST attained each experience with the letter that corresponds to the experience attained.**

For example, if you attained “to do something with your family” at the state park beach, you would place an “e” on the state park beach.

Satisfaction with Carlyle Lake features

4. Overall, how satisfied were you with your recent visit to this Lake?

$\bar{M} = 4.26$, S.D. = .78, N=167

VERY DISSATISFIED	DISSATISFIED	NEITHER	SATISFIED	VERY SATISFIED
2.4%	1.8%	1.2%	56.9%	37.7%

5. How satisfied were you with each of the following at this Lake?

	VERY DISSASTIFIED	NEITHER	VERY SATISFIED	DID NOT VISIT
Beaches		$\bar{M} = 4.05$, $SD = 1.04$, $n = 222$		50.9%
Boat launches		$\bar{M} = 4.24$, $SD = 1.04$, $n = 220$		39.1 %
Campsites		$\bar{M} = 4.48$, $SD = .90$, $n = 219$		28.3 %
Picnic areas		$\bar{M} = 4.26$, $SD = .87$, $n = 220$		56.4 %
Trails		$\bar{M} = 4.07$, $SD = .97$, $n = 221$		61.5%
Water level		$\bar{M} = 4.03$, $SD = 1.10$, $n = 223$		7.6%

Please explain anything you were dissatisfied with: SEE APPENDIX

6. How would you evaluate the level of crowding at each of the following locales on this visit?

	FAR LESS THAN EXPECTED	AS EXPECTED	FAR MORE THAN EXPECTED	NO EXPECTATION	DID NOT VISIT
Beaches		$\bar{M} = 2.87$, $SD = .71$, $n = 221$		52.0%	2.7%
Boat launches		$\bar{M} = 3.15$, $SD = .84$, $n = 218$		39.4%	2.3%
Campsites		$\bar{M} = 3.48$, $SD = .98$, $n = 219$		31.1%	3.2%
Picnic areas		$\bar{M} = 3.14$, $SD = .90$, $n = 218$		61.0%	1.8%
Trails		$\bar{M} = 2.48$, $SD = 1.01$, $n = 217$		66.8 %	2.8%

	FAR LESS THAN PREFERRED	AS PREFERRED	FAR MORE THAN PREFERRED	NO PREFERENCE	DID NOT VISIT
Beaches		$\bar{M} = 3.09$, $SD = .80$, $n = 180$		53.3%	4.4%
Boat launches		$\bar{M} = 3.30$, $SD = .87$, $n = 178$		40.4%	2.8%
Picnic areas		$\bar{M} = 3.29$, $SD = .95$, $n = 176$		63.1%	3.4%
Campsites		$\bar{M} = 3.55$, $SD = 1.09$, $n = 180$		33.3%	3.9%
Trails		$\bar{M} = 2.90$, $SD = .83$, $n = 178$		68.0%	3.4%

9. Did anything interfere with your Carlyle Lake experience on this visit?

26.8% YES 74.2% NO

If yes, please explain: **SEE APPENDIX**

8. How did the number of people at the lake affect your overall enjoyment of your visit?

- 12.1% Added a lot to my enjoyment
- 11.2% Added a little to my enjoyment
- 57.4% No effect on my enjoyment
- 17.0% Detracted a little from my enjoyment
- 2.2% Detracted a lot from my enjoyment

9. Please read the following statements and circle the number that best represents how much of a problem you found each to be on this visit.

	NOT A PROBLEM	MODERATE PROBLEM	VERY SERIOUS PROBLEM	NOT APPLICABLE
Insufficient information about things to see and do		$\underline{M} = 1.52, SD = .97, n = 216$		13.9%
Availability of navigation maps		$\underline{M} = 1.43, SD = .87, n = 216$		22.7%
Not enough hiking trails		$\underline{M} = 1.40, SD = .88, n = 211$		37.0%
Finding safe drinking water		$\underline{M} = 1.44, SD = .85, n = 217$		21.2%
Finding a high quality campsite		$\underline{M} = 1.82, SD = 1.25, n = 214$		27.1%
Finding campsites with adequate power supplies (50 amp)		$\underline{M} = 1.52, SD = 1.04, n = 216$		33.3%
Not enough firewood		$\underline{M} = 2.04, SD = 1.38, n = 212$		37.7%
Overall maintenance of the area		$\underline{M} = 1.50, SD = .88, n = 215$		4.2%
Litter (where:		$\underline{M} = 1.59, SD = 1.13, n = 212$		4.7%
Human body waste (where:		$\underline{M} = 1.24, SD = .75, n = 214$		7.0%
Damage to or loss of personal property		$\underline{M} = 1.19, SD = .65, n = 216$		8.8%
People being inconsiderate		$\underline{M} = 1.87, SD = 1.23, n = 217$		3.7%
Too few rules and regulations		$\underline{M} = 1.28, SD = .75, n = 213$		6.6%
Too many rules and regulations		$\underline{M} = 1.36, SD = .87, n = 216$		6.5%
Not enough law enforcement		$\underline{M} = 1.45, SD = .98, n = 215$		4.2%
Too much law enforcement		$\underline{M} = 1.23, SD = .67, n = 214$		4.7%
Too many encounters with Corp of Engineers personnel		$\underline{M} = 1.18, SD = .65, n = 216$		5.1%
Too few encounters with Corp of Engineers personnel		$\underline{M} = 1.24, SD = .72, n = 213$		6.6%
Too few landings		$\underline{M} = 1.41, SD = .95, n = 215$		22.3%
Poor quality landings		$\underline{M} = 1.27, SD = .76, n = 216$		23.1%
Navigating among the waters		$\underline{M} = 1.27, SD = .69, n = 213$		26.3%
Fluctuation in water levels		$\underline{M} = 1.81, SD = 1.33, n = 217$		18.9%
Meeting too many other watercraft		$\underline{M} = 1.55, SD = 1.05, n = 216$		27.8%
Too much noise on the lake		$\underline{M} = 1.40, SD = .87, n = 215$		19.1%
Unsafe operation of personal watercraft		$\underline{M} = 1.77, SD = 1.15, n = 216$		24.5%
Inadequate toilet facilities at landings		$\underline{M} = 1.56, SD = 1.11, n = 217$		18.0%
Inadequate floating facilities on the lake		$\underline{M} = 1.43, SD = 1.00, n = 215$		30.7%
Inadequate number of marina slips		$\underline{M} = 1.59, SD = 1.16, n = 215$		37.2%

10. How familiar are you with each segment of the Kaskaskia River and its lakes in Illinois? (Circle One Number for Each)

	NOT AT ALL FAMILAR	SOMEWHAT FAMILIAR	VERY FAMILIAR
Lake Shelbyville	56.4%	36%	7.6%
River from Lake Shelbyville to Carlyle Lake	83.3%	15.7%	1.0%
Carlyle Lake	4.1%	30.6%	65.3%
Carlyle Lake to Mississippi (Navigation project)	69.8%	25%	5.2%

11. For each of the following statements about this lake and the Kaskaskia River, please CIRCLE the number that shows how much you agree or disagree with each.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
The water quality of this lake is good.	$\underline{M} = 3.40, SD = 1.01, n = 221$				
The area along and near the lake is safe	$\underline{M} = 3.80, SD = .76, n = 220$				
Recreational use of this lake is important to the economy of the local area.	$\underline{M} = 4.31, SD = .73, n = 219$				
The lake is inviting.	$\underline{M} = 4.17, SD = .66, n = 222$				
Erosion of the lake shore is a serious problem.	$\underline{M} = 3.20, SD = 1.14, n = 217$				
Commercial Navigation (barges) on the Kaskaskia River is important to the economy of the region.	$\underline{M} = 3.40, SD = .86, n = 206$				
There are many conflicts between local residents and recreation users of the Kaskaskia River in the local area.	$\underline{M} = 2.80, SD = .76, n = 211$				
This lake is important to the economy of its local area.	$\underline{M} = 4.36, SD = .74, n = 221$				

Boating experiences at Carlyle Lake

IF YOU DIDN'T BOAT THE DAY WE CONTACTED YOU, PLEASE SKIP THIS PAGE

12. Below are some statements about boating at the lake. For each statement, please circle the response that best describes your feelings about your visit to the lake on the day interviewed.

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
I thoroughly enjoyed my boat trip that day	$\underline{M} = 4.18, SD = .71, n = 108$				
I avoided my favorite parts of the lake because there were too many boats there	$\underline{M} = 2.31, SD = .97, n = 109$				
I had many other choices of lakes I could have used	$\underline{M} = 3.30, SD = 1.09, n = 1.09$				
I stayed off the lake during parts of the day because there were too many boats on the lake	$\underline{M} = 2.20, SD = .95, n = 107$				
My boating trip was not as enjoyable as I expected it to be	$\underline{M} = 2.16, SD = 1.01, n = 107$				
There was an unsafe number of boats on the water	$\underline{M} = 2.02, SD = .81, n = 108$				
I thought the lake and its surroundings were in good condition	$\underline{M} = 3.94, SD = .78, n = 107$				
Other boats came closer to my boat than I like	$\underline{M} = 2.50, SD = 1.14, n = 107$				
There were many boating locations I could choose from during this trip	$\underline{M} = 3.58, SD = .94, n = 106$				
I do not want to go on any more boat trips like that one	$\underline{M} = 1.79, SD = .89, n = 107$				
The noise of other boats reduced my enjoyment on the lake	$\underline{M} = 2.08, SD = .96, n = 108$				
I felt free to adjust the time of my boating	$\underline{M} = 3.93, SD = .82, n = 106$				
My boat trip was well worth the money I spent to take it	$\underline{M} = 4.03, SD = .74, n = 105$				
There were too many houseboats on the lake	$\underline{M} = 1.96, SD = .74, n = 107$				
There are adequate law enforcement patrols on the lake	$\underline{M} = 3.22, SD = 1.06, n = 107$				
If I had known what it was going to be like on that trip, I would not have come to the lake	$\underline{M} = 1.76, SD = .85, n = 107$				
Boating conditions on the lake were safe	$\underline{M} = 3.97, SD = .77, n = 106$				
I was disappointed with some aspects of my boat trip	$\underline{M} = 2.29, SD = 1.08, n = 107$				
The number of boats on the lake reduced my enjoyment	$\underline{M} = 2.07, SD = .93, n = 107$				
I nearly had an accident on the lake because of crowded conditions	$\underline{M} = 1.73, SD = .83, n = 107$				
I was bothered by jet skis cutting too close to my boat	$\underline{M} = 2.72, SD = 1.33, n = 107$				
The behavior of other boaters interfered with the quality of my boating experience	$\underline{M} = 2.25, SD = 1.14, n = 105$				
I did not like the amount of time I had to wait to get on the water	$\underline{M} = 2.36, SD = 1.11, n = 107$				
I intend to visit this lake again in the future	$\underline{M} = 4.42, SD = .75, n = 106$				
I did not participate in some boating activities because of crowded conditions at the lake	$\underline{M} = 2.07, SD = .93, n = 107$				
The presence of personal watercraft interfered with the quality of my boating experience	$\underline{M} = 2.48, SD = 1.17, n = 107$				
The lake is overdeveloped in terms of accommodations	$\underline{M} = 2.15, SD = 1.11, n = 107$				

**Appendix J: Lake Visitor Survey Results
Carlyle Lake, Fall 2004**

First, a few questions about your visit to the lake today.

1. What time did you arrive at the lake today? _____ 62.5% AM/ 37.5% PM

2. How long are you planning on spending at the lake (check one, and then follow instructions for answer checked)?

69.2% **The day** (how many hours): __ M = 4.71 , S.D. = 2.12 , n = 73 __ HOURS

30.8 % **Overnight** (number of total number of nights stayed): M = 7.09, S.D. = 4.53 , n = 46 __ NIGHTS

3. Is today's visit your first visit to the lake (circle one)? 11.4% YES 88.6% NO, n = 158
If no,

How many times **total** have you visited this lake (including this visit)?

M = 32.67 , S. D. = 33. 84 , n = 46 __TIMES OR 67.1 % I CANNOT REMEMBER

How many times have you visited this lake in the **past 12 months** (including this visit)?

M = 11.12 , S.D. = 19.26 , n = 66 __TIMES OR 52.5 % I CANNOT REMEMBER

How many years have you been coming to this lake? M=17.06, S.D.=11.70, n=109 YEARS

4. With whom are you visiting today? (Please select only one item) n = 158

37.3% __ALONE

38.6% __WITH MEMBERS OF YOUR IMMEDIATE FAMILY

3.2% __WITH OTHER RELATIVES

14.6% __WITH FRIENDS

6.3% __WITH BOTH FRIENDS AND FAMILY

0.0% __WITH OTHER MEMBERS OF AN ORGANIZED GROUP

5. Including yourself, how many people were in your group on this visit?

M = 2.25 , S.D. = 1.50 , n = 150_ ADULTS (18+) M = 2.38 , S.D. = 1.19 , n = 42_ CHILDREN

6. What was your main recreational activity during your time at the lake (check one)? n = 160

2.5%_BICYCLING	2.5%_JET SKIING	0.0%_SUNBATHING
28.8%_CAMPING	0.0%_MOTORBOATING	3.1%_SWIMMING
0.6%_CANOEING/KAYAKING	1.9%_OBSERVING/PHOTOGRAPHING	0.0%_USINGPLAYGROUNDS
1.3%_DRIVING FOR PLEASURE	WILDLIFE OR NATURE	0.0%_VOLLEYBALL
45.6%_FISHING	0.6%_PICNICKING	1.3%_WALKING/HIKING
0.0%_HORSEBACK RIDING	3.1%_RELAXING/STRESS REDUCTION	0.6%_WATERSKIING
0.6%_HOUSEBOATING	1.9%_SAILING	0.0%_WINDSURFING/SAILBOARDING
3.1%_HUNTING		2.5%_OHER (LIST BELOW)

7. Do you ever visit the other lakes in the area? __37.4% YES __ 62.6% NO

If yes, which ones? N/A CARLYLE LAKE 55.2% LAKE SHELBYVILLE 65.5% OTHER

8. Regarding, this lake, please indicate to what extent you agree or disagree with each of the following statements?

	STRONGLY DISAGREE	DISAGREE	NEITHER	AGREE	STRONGLY AGREE
Doing what I do at this lake is more important to me than doing it in any other place.		$\underline{M} = 3.84$, S.D. = 0.83 , n = 155			
I wouldn't substitute any other area for doing the types of things I do at this lake.		$\underline{M} = 3.78$, S.D. = 0.77 , n = 157			
The things I do at this lake I would enjoy doing just as much at a similar site.		$\underline{M} = 2.60$, S.D. = 0.89 , n = 157			
This lake is the best place for what I like to do.		$\underline{M} = 3.75$, S.D. = 0.79 , n = 154			
No other place can compare to this lake.		$\underline{M} = 3.66$, S.D. = 0.93 , n = 154			
I get more satisfaction out of visiting this lake than any other.		$\underline{M} = 3.83$, S.D. = 0.82 , n = 155			
This lake means a lot to me.		$\underline{M} = 4.00$, S.D. = 0.82 , n = 157			
Visiting this lake says a lot about who I am.		$\underline{M} = 4.04$, S.D. = 0.88 , n = 152			
I feel this lake is a part of me.		$\underline{M} = 4.03$, S.D. = 0.97 , n = 153			
This lake is very special to me.		$\underline{M} = 4.21$, S.D. = 0.86 , n = 154			
I identify strongly with this lake.		$\underline{M} = 4.13$, S.D. = 0.94 , n = 154			
I am very attached to this lake.		$\underline{M} = 4.21$, S.D. = 0.89 , n = 154			

Finally, just a few questions about you.

9. What is the highest level of formal education you have completed (circle one)? n = 160

EIGHTH GRADE	HIGH SCHOOL/ GED	TECH SCHOOL	SOME COLLEGE	COLLEGE DEGREE	ADVANCED DEGREE
5.0%	48.8%	8.8%	24.4%	11.3%	1.9%

10. In what ethnicity and race would you place yourself? n = 129

Ethnicity: 3.1%_HISPANIC OR LATINO 96.9%_NOT HISPANIC OR LATINO

Race (check all that apply): n = 162

1.9%_AMERICAN INDIAN OR ALASKA NATIVE

1.2%_ASIAN

10.5%_BLACK OR AFRICAN AMERICAN

1.9%_NATIVE HAWAIIAN OR OTHER

PACIFIC ISLANDER

82.1%_WHITE

2.5%_OTHER, EXPLAIN:

11. What language do you speak most of the time? n = 161

98.8%_ENGLISH 0.0%_SPANISH 1.2%_OTHER (SPECIFY)_____

12. What language do you read most of the time? n = 160

98.8%_ENGLISH 0.0%_SPANISH 1.3%_OTHER (SPECIFY)_____

13. What is your annual household income (before taxes)? n = 120

1.7%_ LESS THAN \$5,000 1.7%_ \$5,000-9,999 0.0%_ \$10,000-14,999

11.7%_ \$15,000-24,999 11.7%_ \$25,000-34,999 16.7%_ \$35,000-49,999

36.7%_ \$50,000-74,999 13.3%_ \$75,000-99,999 1.7%_ \$100,000-124,999

5.0%_ \$125,000-149,999 0.0%_ \$150,000-174,999 0.0%_ \$175,000 OR MORE

14. How many people are supported by this income? PERSON/S

$\underline{M} = 2.96$, S.D. = 1.37 , n = 94

15. Are you? 74.3%_MALE 25.7%_FEMALE , n = 144 **16. What year were you born?**

AGE $\underline{M} = 46.55$, S.D. = 16.09 , n = 133

**Appendix K: Lake Visitor Comments
Carlyle Lake, Summer 2003**

Q2. Other experiences (please describe)

#3574 (main activity = fishing, picnicking, relaxing/stress reduction)

We also enjoyed talking to the very nice lady that had the list of questions that we filled out about our visit to the lake. She represented your interests in our visit and was a good idea on your part.

#3473 (main activity = swimming)

One thing about your survey C,D,P are about the same and why not ask a question about the beach or how clean it is or should there be more tables things like that. Personally I think you need more sand under the water and maybe get some small business that has lemon shake-up or soda snacks. It would make a lot of money that's all.

#3185 (main activity = fishing)

Invasion of personal space. 2' at spillway wall.

#3085 (main activity = fishing)

Just wanted to fish for a few hours with a friend.

#3696 (main activity = sailing, other – employment, West Access Marina)

This is hogwash, liberal, feel good answers. I went because I wanted to.

#3854 (main activity = sailing)

I would not choose this location to have a wilderness experience, even though it would be important to em to have wilderness experience.

#3806 (main activity = camping)

To visit friends in the area.

#3372 (main activity = fishing)

My friend and I frequently go to the spillway to fish. We don't go for the scenery. It is usually littered and smells like dead fish. Many of the people who fish at the spillway do not respect the area. They don't clean up after themselves. The lake is pretty but I've only been to it a couple of times.

#3407 (main activity = camping)

We enjoyed our trip to Cole Creek very much.

#3303 (main activity = relaxing/stress reduction)

R&R

#3314 (main activity = picnicking)

1. Good place for reading/writing
2. Allowing alcoholic beverages at picnic site is good, very important.

Q5. How satisfied were you with each of the following at this Lake? Please explain anything you were dissatisfied with:

#3705 (main activity = fishing)

High water

#3659 (main activity = fishing)

Locks were closed.

#3783 (main activity = camping)

The restroom in Dam West campground down by site 43 uncleaned. Ucky!

#3259 (main activity = camping)

They need boat docks at Coles Creek ramps – many people try to dock boats at shore line

#3536 (main activity = camping)

Campsites not level – too close – bad drainage (Eldon Hazlet). Water level – shallow for boating when fishing

#3399 (main activity = fishing)

The restrooms need upgrading as they are getting old and walls and fixtures are in poor condition.

#3140 (main activity = camping)

Sticky – goeey resin (tree sap) oozing from picnic table ruined a pair of Levi jeans due to neglect of workers at Hazlet State Park site #116.

#3280 (main activity = motorboating)

Showers were not close to Keyesport.

#3185 (main activity = fishing)

No easy way to access the spillway. Seniors and big rocks do not go well.

#3093 (main activity = camping, fishing, relaxing/stress reduction, sunbathing, swimming, walking/hiking)

If you had a special area for senior citizens with sewer, electric and running water it would make it a lot easier and enjoyable for them.

#3114 (main activity = ?)

Boaters disrespect for fishermen fishing on shore. They have the whole lake. They broke some of my lines riding too close.

#3010 (main activity = camping)

Impact areas need much improvement and very poor power level (only getting 105 volts)

#3165 (main activity = camping)

Many campsites are too rocky and need to be leveled off where the camper is parked. Blacktopped area for camper would be nice as it is in some places.

#3098 (main activity = swimming)

Water level was too low

#3458 (main activity = camping)

Would like to see more full hook up sites. Also closer to lake.

#3129 (main activity = fishing)

Summer pool is too low. It needs to be 5 feet higher. There is too much shallow water at “normal” pool.

#3263 (main activity = motorboating)

Shallow water because the temp was too warm and there was a lot of algae and scum.

#3172 (main activity = fishing)

Beaches need more benches out on the sand and closer to the water.

#3264 (main activity = motorboating, relaxing/stress reduction)

Boat dock not safe to step out of truck to help unload boat. Concrete bottom is slippery.

#3167 (main activity = fishing)

Water level to high for a week or two

#3219 (main activity = bicycling, camping, fishing, walking/hiking)

Need 50 amp in Boulder campground

#3895 (main activity = fishing)

No flush toilets. No fishing cleaning facility.

#3071 (main activity = swimming)

No place to let dogs swim from shore!

#3479 (main activity = swimming)

The beach was black and smelly by the showers. Sand was hard and compacted and not a lot of sand on beach. Picnic areas too close to foul fish smell in air all day. Water level too low.

#3034 (main activity = walking/hiking)

Water levels of the lake were constantly changing due to the opening and closing of the gates at the dam making fishing difficult.

#3333 (main activity = swimming)

Trash on beach and in water.

#3295 (main activity = camping, fishing, motorboating)

The game wardens checking every car coming in just to see if there drinking. Its like a jail after 9:00pm and the grass needs to be cut more often.

#3079 (main activity = fishing, observing/photographing wildlife or nature)

You need more places to fish from the gonk (?shore). Hopping those rip rap rocks is tough for anyone over 28 years of age.

#3336 (main activity = jet skiing)

Clean sand at beach/add more sand depth

#3095 (main activity = camping)

Camp pad needed rocked or paved #126

#3630 (main activity = fishing)

Low water due to lack of rain.

#3898 (main activity = fishing)

Jet skis, waterbikes, most were not thoughtful about other boaters, fishermen, etc.

#3854 (main activity = sailing)

We were sailing on a small boat with no motor. There was almost no wind that day. If the setting were pretty and peaceful, it would not matter so much about the lack of wind. But it was noisy/busy/smelling of a fuel – hardly relaxing place to be for a small sailboat.

#3806 (main activity = camping)

No dissatisfaction.

#3723 (main activity = motorboating)

Beaches do not have safe place to park boats and let kids out to play. Access is either rocky or not allowed.

#3193 (main activity = camping, driving for pleasure, fishing, volleyball)

Low water levels seems to effect fish.

#3880 (main activity = camping (Eldon Hazlet))

Hazlet state park's swimming pool pricing policy. No gripes about the pool itself, just the ridiculous pricing policy! Need to have weekly campers rate or discount for campers and one set daily price so you don't have to pay twice on the same day! Also have arm or wrist bands to come and go.

#3905 (main activity = swimming)

Showers were cold.

#3110 (main activity = swimming)

Last time went camping at Coles Creek we were given a little bit trouble from the people at the check out station. My R.V. broke down put a temp up on site. Couldn't stay that night because I had to work. Left a note explaining. Had to call ranger next morning got that straightened out. Explained to him what happened.

#3846 (main activity = waterskiing)

Need more access areas for launching and taking out.

#3929 (main activity = camping, fishing, photographing wildlife or nature, relaxing/stress reduction, using playgrounds, walking/hiking)

Dam not opened all week. Water level of river was too low to fish.

#3551 (main activity = fishing)

Water level was low. Boat launch at Coles Creek too narrow. Campsites were too many that were reserved (good spots).

#3407 (main activity = camping)

Showers should have had windows open to let out steam. Showers were wonderful.

#3439 (main activity = camping)

Not enough campsites or full hookup.

#3298 (main activity = camping)

Boat launches too crowded. Not enough areas to park and nobody to tell you where to go. Yet if you park in the wrong spot you're ticketed. Campgrounds too crowded. Came in Thursday night and hardly got a spot. Too many tent campers in the camper trailer campgrounds!

#3073 (main activity = picnicking, relaxing/stress reduction, sunbathing, swimming, using playgrounds)

The water level is very low. My wife is only 5 foot tall and she could walk all the way out to the second set of boouies (buoys).

#3532 (main activity = camping)

All campsites need to be reservable. Too many people place small tents on sites and don't stay, thus reserving even though not reservable!

#3303 (main activity = relaxing/stress reduction)

If the lake get any lower there will be a lot of boat beached. Lake levels are never the same and makes fishing difficult.

#3535 (main activity =camping)

It always seems that the Corps let to much water out for summer pool the lake is very shallow in places and turns a lot of people away.

#3524 (main activity = camping, driving for pleasure, fishing, hunting, observing/photographing wildlife or nature, picnicking, relaxing/stress reduction)

Boat ramp crowded but mainly weekends. Water level winter pool draw down should be in Jan. instead of Dec.

#3501 (main activity = camping)

Boat launches need to eliminate?. Water level too low for safe boating.

#3482 (main activity = jet skiing)

The water was too choppy for the weather we were having on that day. It was hot and there was not many people.

#3440 (main activity = camping)

Lake level too low: too many shallow islands.

#3400 (main activity = camping)

Water level low fishing no good from banks!

#3561A (main activity = fishing)

Algae on the ramps. Truck wheels slip.

#3377 (main activity = camping)

Water level a little low for good fishing.

#3314 (main activity = picnicking)

One end of the beach had mud instead of sand as you wade out into the water.

#3272 (main activity = camping, fishing, walking/hiking)

I am dissatisfied with the handicap fishing facilities on the lake at Keyesport. U have beach, boat ramp but no fishing docks for handicap fishing.

#3239 (main activity = picnicking)

Beaches could be cleaner. Trails could be wider.

#3205 (main activity = camping)

At campsite on Mon. AM clean-up man takes all our aluminum cans that were in a bag and all our copper tubing for the fire.

#3175 (main activity = fishing)

Over abundance of Asian carp.

#3543 (main activity = fishing)

Being able to get down to water below dam!

#3603 (main activity = camping)

To much water holes in campground should be fixed.

Q7. Did anything interfere with your Carlyle Lake experience on this visit? If yes explain:

#3656 (main activity = fishing)

Me and my 2 children were fishing below the dam. We arrived there at 5:00A.M.. At 8:00AM a man came over and tried to squeeze in between my son and I who were fishing less than 2 feet apart (float fishing). Just because he has ocean tackle and likes to fish all the way up by the dam doesn't give him the right to be rude.

#3705 (main activity = fishing)

High water from storms. Not anyone's fault.

#3659 (main activity = fishing)
Road work on bridge

#3884 (main activity = camping)
Young boys (unsupervised) were using some very bad language

#3287 (main activity = bicycling, camping, driving for pleasure, fishing, horseback riding, houseboating, jet skiing, motorboating, observing/photographing wildlife or nature, picnicking, relaxing/stress reduction, sunbathing, swimming, walking/hiking, waterskiing) Lost power at campsite

#3536 (main activity = camping)
Dogs – Dogs – Dogs – Dogs rule – you must tied up – ½ the time “never”. Rangers do not enforce. Also the barking – day and night.

#3174 (main activity = camping)
The fish cleaning stations are too small and crowded. Not enough places to tie your boat up at campsites. Water level was dropping 6” to a 1’ a day.

#3280 (main activity = motorboating)
We stay at Keyesport Marina or Trade Winds now! There was no power and water was pretty far to carry.

#3210 (main activity = camping)
Electric to camper went out, spent a day without electric hook-up, left a day early

#3093 (main activity = camping, fishing, relaxing/stress reduction, sunbathing, swimming, walking/hiking)
Yes, nothing you did, but we ran out of water in our R.V. and our sewer tanks were full in 2 days. We would have stayed longer if we would have had the those two conveniences.

#3136 (main activity = camping)
The psycho raccoons who ate holes in our tents.

#3315 (main activity = camping)
We had campsite #40. Too close to bathroom. We found ourselves watching people come and go to the bathroom instead of enjoying the outdoors.

#3347 (main activity = fishing)
Boaters waking (10hp should be imposed)

#3114 (main activity = ?)
As mention above, boaters too close to bank

#3054 (main activity = camping)
Someone was on our reserved campsite when we arrived and the ranger who arrived over an hour after he was called did little to help us. We were very unhappy with ranger!

#3010 (main activity = camping)
Party people. New camp hosts not performing as they should (Boulder). Being very hostile to customers (I had to stand in line to check in while new camp host was yelling at another camper. We have been coming here for 9 years and have never seen anything like this before. Host was very rude.

#3165 (main activity = camping)
Refer to #5 comment. Also shower and toilet facilities dirty with mold growing on walls of shower stalls. Showers are not user friendly in as much as having a dry place to change clothing.

#3274 (main activity = walking/hiking)

This isn't a visit – we live in Keyesport and walk the levee, beach, etc. However the day of this particular visit we were only walking

#3263 (main activity = motorboating)

Motorized scooters at campgrounds were annoying. Jet skis come too close to the boats. Other boaters are inconsiderate and need to take safety courses.

#3172 (main activity = fishing)

People leaving trash and snagging all of the time.

#3084 (main activity = fishing)

It was hard to find shad that we use for bait. It took longer than usual to get enough shad to fish with.

#3213 (main activity = camping)

Not enough activities for campers such as horse shoe pits or washer boxes and a different location for the basketball goal (needs to be at playground)

#3264 (main activity = motorboating, relaxing/stress reduction)

We do not swim at the beach the water level is too low. The bottom of the lake has no sand. Our feet feel smucky from sinking in the mud.

#3167 (main activity = fishing)

The boats come up the spillway access area at a high speed a can not come at a slow speed to make it more better so for some people on the bank to fish

#3071 (main activity = swimming)

We can only bring our dogs when we boat or camp. We cannot go picnicking and beaching with our dogs. We'll go elsewhere!

#3479 (main activity = swimming)

1. People playing music so loud it interfered with my enjoyment and everyone around could here the one group's music. It was heard over my own. If music is too loud rangers need to ask them to turn it down.
2. Beach was not in good conditions and bathrooms were disgusting

#3034 (main activity = walking/hiking)

The fishing was not good due to the explanation in #5 above.

#3295 (main activity = camping, fishing, motorboating)

The rangers also need to be more polite not so crabby all the time. They don't even wave if you wave!

#3097 (main activity = camping)

Too much noise after 10:00pm. Theft.

#3095 (main activity = camping)

Children on mopeds and scooters?

#3519 (main activity = fishing)

People not obeying rules of boating.

#3696 (main activity = sailing, other – employment, West Access Marina)

Not that I couldn't handle.

#3630 (main activity = fishing)

Hot weather.

#3028 (main activity = fishing)

A catfish got away with my fishing rod!

#3596 (main activity = camping)

Sad to see reserved areas unable to use as we would have had to move often.

#3694 (main activity = fishing)

Need lights at fish cleaning station!

#3851 (main activity = motorboating, relaxing/stress reduction)

No 93 Octane gas available in Keyesport. Boat only runs on high Octane gas, had to drive to Carlyle. Did not care for that.

#3922 (main activity = swimming)

Dead fish along beach shore and seagulls

#3723 (main activity = motorboating)

There are far too many careless, possibly intoxicated boat drivers out there. Safety is a big issue, between careless drivers and heavy boat wakes. It is difficult to enjoy or even participate in water sports.

#3193 (main activity = camping, driving for pleasure, fishing, volleyball)

The fishing is not as good as it use to be.

#3348 (main activity = fishing, hunting)

Too many foreign people need I.R.S. visit.

#3119 (main activity = motorboating)

The trash left on the beaches. Mostly by the people in the MO boats. They need to learn to pick up what they bring.

#3298 (main activity = camping)

Did not have picnic table at my site. Went to the host to get one. She was half way annoyed and rude but after a while I received one. Too many children riding bikes through my campground (right between camper and truck). Boat ramps way too crowded!

#3532 (main activity = camping)

Yes, people starting to place their tents to unofficially reserve spots for the upcoming weekend. The process starts as early as Tuesday prior to a holiday weekend and Wednesday prior to regular weekend.

#3387 (main activity = fishing)

Others fishing, crowding my here first spot, throwing over or near my fishing spot.

#3303 (main activity = relaxing/stress reduction)

Thunderstorm – big one

#3524 (main activity = camping, driving for pleasure, fishing, hunting, observing/photographing wildlife or nature, picnicking, relaxing/stress reduction)

NE wind

#3501 (main activity = camping)

Got sick – had to leave early

#3497 (main activity = camping)

Saving sites with chairs and pop up tents.

#3501 (main activity = camping)

While on the lake in ski boat and then in a Jon boat had 2 jet skis get within 20 feet of the boats. Ski boat within 6 feet and they splashed water on us in Jon boat.

#3382 (main activity = fishing)

While fishing at spillway people would fish over you and tangle up with you and butt in between my family and I. I thought people were very rude and inconsiderate.

#3353 (main activity = fishing, picnicking, using playgrounds)

I like go the beaches.

#3294 (main activity = ?)

No. Would like water hook up for a camper between 2 sites.

#3205 (main activity = camping)

No. The hosts at Boulder are excellent. They are going to try to get our copper tubing back from clean-up man. Ranger gave us a hassle. We had three lots rented together and moved 2 tables to the same sight for supper. They got irate and wanted it moved back right NOW. The rangers are rude over trivia. We always make sure at the end of every weekend that everything is as we got there.

#3175 (main activity = fishing)

At times over crowded. Over abundance of Asian carp.

#3041 (main activity = camping)

I had to leave to go to work. Also the pool at Hazlet closed at five this is a great concern of many campers. The pool was put there to swim in and people are very concerned if we can swim in the pool after five. “Get rid of it and make it in to campsites!!!”

#3001 (main activity = fishing)

Puncture boat trailer tire on boat launch. Reported to DNR ranger.

#3543 (main activity = fishing)

Need a starway for access below dam on both sides.

Q13. Do you have any comments?

#3703 (main activity = motorboating)

- a.) Boulder needs to extend wind break at boat ramp. Very dangerous in north or west wind.
- b.) Chat should be added over large rocks at points on picnic and boat ramp areas so you can walk down to water edge where rip raped.

#3834 (main activity = swimming)

Had a good time that day. Beach wasn't too crowded. Saw plenty of police or other law enforcement personnel so there was no trouble or worry

#3705 (main activity = fishing)

You have a nice lake.

#3886 (main activity = fishing)

The Corp of Engineers needs to redesign the boat ramp at Keyesport. This is a very busy ramp with only 1 dock. While most people are “water ready” some are not and will tie the dock up for extended periods of time. Add more ramp and docks – as in Hazlet State Park.

#3574 (main activity = fishing, picnicking, relaxing/stress reduction)

I have used this lake for fishing, boating, camping, walk trails, swimming and just observing nature ever since this lake was built. I lived in Keyesport for 12 years after my retirement and would still be there except for the reasons of no Doctor available when I left. I am 80 years of age and had the most enjoyment in all because of this wonderful lake and area surrounding it. I thank you very much for what you have done for the people of Illinois. P.S. I have also enjoyed the dam for the great 4th of July fireworks presented there.

#3783 (main activity = camping)

Overall Carlyle Lake is very enjoyable place to go and get away for a weekend or week. They need really need to clean the restroom more than once a day! Please send me more information? about this study.

#3884 (main activity = camping)

We have been coming here for a long time. We have never been disappointed in this lake or the camping area at McNair.

#3597 (main activity = camping)

Lake Carlyle Dam West Village is our favorite campsite in the mid-west area. We are senior citizens – age 70 & 80

#3473 (main activity = swimming)

Bathrooms on campsites sometimes not as clean as they should be. Some showers are too powerful too much pressure. More trash cans the better.

#3536 (main activity = camping)

Thank you for this chance to see my feelings. Overall the 2 basic problems are throughout the year are: Dogs – (I have dogs, but leave them at home) Jet skies – all day long back and forth. Suggestions: 1. Leave all pets at home. 2. Have jet skies away from campgrounds and fishing areas. Thank you. Jerry Lanter

#3515 (main activity = fishing)

My reflections of my boating experience on Carlyle Lake is due to poor manners of a number of jet skiers and water skiers. Buzzing of anchored or other watercraft is frequently encountered.

#3531 (main activity = camping)

My family and others truly enjoy going to Carlyle Lake to camp. It is familiar to us and it is kept clean each time we have been there.

#3174 (main activity = camping)

Hazlet State Park is erroison, but doesn't need rocked like Coles Creek. A dyke at entrance would be enough on both sides. Need more fish attractants. More campgrounds on water surface around the lake itself. More information on hunting and fishing. No size limits posted at boat ramps.

#3280 (main activity = motorboating)

The water levels should stay at a higher level to help boating and more rock on the shores to protect the banks, embankments.

#3210 (main activity = camping)

Convenience for obtaining ice and camping supplies is very limited at Corps of Engineers campgrounds. It would be nice to get ice, soft drinks, firewood and staple supplies from Corps run campground stores. Profits could be put back into maintaining the grounds.

#3185 (main activity = fishing)

Build easy accessible handicapped access all around the lake.

#3274 (main activity = walking/hiking)

My husband and I think the Corps of Engineers is very wasteful. They tore down a beautiful building at the marina (Keyesport). They tore out the handicap fishing area they built just a few years ago. They tore down the steps leading to the picnic area from the parking lot. We have only lived in Keyesport 18 years but from what we have heard the Corps is very hard to get along with.

#3087 (main activity = fishing)

I usually go to Carlyle Lake one or two times a year for a road trip and to fish which I enjoy very much.

#3458 (main activity = camping)

I was born and raised in Beckemeyer which is 3 miles from the lake and has put a lot of money in the community over the years. The Corp should be proud of their work. The campground is always clean and well kept. If the present campground was expanded north and a beach area added along with a shower house and some full hook up sites it would be great.

#3285 (main activity = camping)

A lot of these questions were answered as per the state park area (camping). I am not a boat person, just camping. I think the state needs to set up a committee of campers and park for state people to set rules for campers.

#3129 (main activity = fishing)

Summer pool needed to be elevated five feet. The launched can handle it. The shoreline is much enhanced. It improved the fishing. It makes boating safer and really helps the sailors.

#3172 (main activity = fishing)

Be real nice if there were law officers on shift out there and to help stop littering on the river below the spillway. Thank you.

#3084 (main activity = fishing)

I am retired, have been using this lake for fishing since 1998. I really enjoy Carlyle Lake. I am glad they limit what can be built on its shore.

#3014 (main activity = fishing)

Water level of lake is too low. Should be 2 feet higher for normal level.

#3213 (main activity = camping)

See comments on pages 4 and 5. Standing water in park for mosquito larva.

#3264 (main activity = motorboating, relaxing/stress reduction)

I just got a boat and we found party island to be a wonderful place to relax. The sand there is flat and clean. We would rather swim there than at the beach. Its like a vacation to go to party island and relax on my boat. Keep up the good work. From my whole family and thank you for such a wonderful place to visit.

#3167 (main activity = fishing)

They could make the Carlyle IL spillway access area a little better maintained.

#3115 (main activity = motorboating)

1. I found the marinas to be poorly operated and in poor condition which reflects badly towards the Coprs.
2. I would suggest that the Corp develop floating docks available to camping who boat @ Boulder and Coles Creek campgrounds. I believe that boaters and campers who boat would pay a higher premium to be able to dock close by their campsites (lakeside campsites only and those waiting to pay premium to dock). These docks would only be available to campers at these two locations.

#3219 (main activity = bicycling, camping, fishing, walking/hiking)

I do not boat just camp. There is too many dogs and nobody cleans up after them. They also turn their dogs loose to go mess where they please and they don't clean up after them. They leave dogs in campers all day to bark.

#3072 (main activity = swimming)

You are doing a great job with the upkeep of the lake and spillway area. To me nothing has really changed in all the years I've been coming to Carlyle 25 years in fact that's what brings me back year after year and it's full of memories of all the times me and my grandfather came here to fish, camp and have fun together. I now bring my own children here do the same and will for many years to come. Thank you for all you have done and will do and the memories old ones and ones to come.

#3046 (main activity = camping)

I sure do. There are too many dogs. People don't clean up after them. They let them bark constantly and don't try to keep them quiet. We were at the lake when we had a tornado warning and were supposed to go to the laundry room. There were so many big dogs in there with their masters a lot of people couldn't get in. If the dogs can be carried that's fine but if not they shouldn't take up space that a human should have. Thank you for listening.

#3071 (main activity = swimming)

We boat, camp and picnic at Carlyle. We have always loved the boating and camping. We will never picnic and swim from any of your beaches, as dogs are not allowed! We will continue to boat and camp because we can bring our dogs (our kids are both in college)!

#3137 (main activity = camping)

We get campsite reservations in February which is really nice. It's great to get there and drive right up to your reserved sight. We leave our boat in the water in one of the protected inlets near our campsite. This is a big plus also. I would like to see more shower facilities and more fish cleaning stations. Hazlet S.P. has no fish cleaning station. My family and I truly enjoy staying at Carlyle Lake.

#3479 (main activity = swimming)

Water, lake, beach, bathroom and picnic areas need to be kept cleaner. More trash cans and rangers need to ask people playing their music at excessive (blaring) levels to turn it down and be considerate of others around.

#3034 (main activity = walking/hiking)

I think the lake could use more primitive tent camping sites at economically price reduction for families that enjoy the scenery and wildlife and to enjoy the experience of solitude that should go along with the whole camping experience. I would also like to say that the representative that my wife and I met doing the initial survey was polite, courteous, and kind. She seemed to enjoy doing her objectives and doing her job tasks seriously.

#3485 (main activity = motorboating)

Great job keeping Carlyle in good condition, only complaint would be cleanliness of bathrooms.

#3336 (main activity = jet skiing)

Please deal with unsafe discourteous boaters or personal watercraft drivers individually. Please do not restrict all of us who are safety minded.

#3799 (main activity = relaxing/stress reduction)

Showers/restrooms need more ventilation.

#3097 (main activity = camping)

Campsites and showers kept very clean thanks to Patty and Steve. Too many children running through campsites after 10:00pm.

#3095 (main activity = camping)

Jet skis and under age operators are a problem to fishing and pleasure boats!

#3426 (main activity = fishing)

I like the lake very much. I am more or less a fisherman and I can tolerate the other boaters as they have the right to enjoy the lake the same as I do. Nice lake – gets rough in windy weather – but fishermen take the bad with the good.

#3221 (main activity = camping)

We have always enjoyed our trip to Carlyle Lake and camping at Boulder for the past 5 years. Thank you for allowing us the freedom to use the lake and facilities.

#3266 (main activity = motoboating)

I enjoy the lake very much. I always have a good time. Sometimes I feel the water has too many low spots which makes it harder to get around; causes bumpy waters. I know we can't always control what other people do but I wish they would watch where they dispose of trash and broken glass. Thank you.

#3696 (main activity = sailing, other – employment, West Access Marina)

How much did this study cost? Phone calls about this study are not returned. Wouldn't people doing studies like this do better with a real job?

#3630 (main activity = fishing)

Noticed that there seemed to be a lack of state personnel at the campground. Toilets went unclean for several days, different than normal. (Eldon Hazlet)

#3028 (main activity = fishing)

Carlyle Lake is an enjoyable lake. We always have fun there. The water is known to be "murky/muddy" though. Fishing opportunity is good. Litter along dam area could be better maintained. Personnel are always helpful but not always present in outlying areas/out of offices.

#3568 (main activity = fishing)

I just spent the morning fishing below the spillway; the activity was cheap, fun, and kept me out of trouble.

#3898 (main activity = fishing)

Although at times duck hunting can get a little crowded. My experiences at Carlyle Lake as for as fishing, hunting goes, I think the lake is a very good lake.

#3580 (main activity = camping)

We think the swimming pool will add a lot to the park. It is really nice. I do wish that if you use the pool in the afternoon session, you could return in the evening for no charge. We had not been in the state park to camp for several years, but we were impressed with the overall cleanliness of the park – keep it up!

#3854 (main activity = sailing)

It would be nice if there was a # to call at the lake that could provide a recorded message describing wind and weather condition there. Perhaps that already exists and I am just unaware of it.

#3596 (main activity = camping)

Personnel do a great job!

#3740 (main activity = camping)

If one person gets (sortive) into trouble with the rangers I think all persons not following the rules about riding in boats to and from the lake then all persons should get the same. The park rangers were informed but nothing seemed to be done because just a little while later a whole boat load of people were in the boat as they were coming back to the campsites. Thank you.

#3694 (main activity = fishing)

Just a personal objection to all jet skis (personal water craft). All drivers should be licensed. Too many very young operators who ignore safe and courteous boating rules. As a fisherman, I detest the things but have learned to live with them.

#3851 (main activity = motorboating, relaxing/stress reduction)

We love to go to Carlyle Lake. Hickory Shore cabins are the bomb. No 93 Octane gas in Keyesport sucks.

#3729 (main activity = camping)

If the Corp of Engineers campgrounds stayed open longer in the fall of the year it would be nice.

#3806 (main activity = camping)

The reason I circled #5 on page 5 is because I found 2 rubbers in the restroom one was in the wastebasket and the other was in the sink.

#3731 (main activity = camping)

The rangers at Carlyle Lake are very nice and helpful.

#3723 (main activity = motorboating)

The questions on #12 would have been answered differently if you were surveying in generalities. The lake was not very crowded the day of the survey.

#3815 (main activity = sailing)

I have been sailing on Carlyle Lake for 13 years. It is considered one of the premier inland sailing lakes in the U.S. I am in favor of anything that helps to keep it that way.

#3824 (main activity = swimming)

I think Carlyle is the best lake I ever been to. It's the lake I grew up with. Plus a great place for families to go spend the whole day at.

#3722 (main activity = camping)

Carlyle Lake surrounding camping areas are very good. They provide very good recreational activities for all family members.

#3660 (main activity = camping)

Anyone wanting to camp at a nice campground should enjoy Coles Creek or Boulder. As we (my wife and I) have camped at both sites – they are nice, clean, and have very friendly service people running the parks.

#3667 (main activity = camping)

Boulder campground A++ facility.

#3880 (main activity = camping(Eldon Hazlet))

- 1.) Wish more flyers or signs were posted with activities listed for kids to do or see.
- 2.) Maintenance needs to check water supply hydrants. Valves get stuck when trying to supply water to hose to fill campers. Have to dry pry to release.

#3110 (main activity = swimming)

The jet skis and some of the other smaller boats come around the swimming area at McNair beach to close and high going around in pretty large circles close to swimming areas.

#3846 (main activity = waterskiing)

More control of water level especially during spring spawning of game fish (crappie, bass).

#3929 (main activity = camping, fishing, photographing wildlife or nature, relaxing/stress reduction, using playgrounds, walking/hiking)

We prefer to camp and fish at Corp of Engineer parks. They are very well kept. Rangers really helpful and respectful. We have golden age cards so the fees help on our social security budget. Would be great if the water faucets were closer to campers at Dam East area. We just found out about Coles Creek. We plan to camp there in the spring of 2004. They close in 2 weeks.

#3823 (main activity = sunbathing, swimming)

Our family enjoys hiking and camping but we didn't participate in those activities at Carlyle Lake. Up to this point, we've only been to the lake areas to swim. Possibly because its been so crowded the few times we've been there. We've usually visited other state parks for recreation.

#3691 (main activity = fishing)

I realize the main purpose of Carlyle Lake is flood control, but there are a couple things I believe would help recreational users. 1. Try to keep the water level around 445 in April and May. This would help the spawning and improve fishing. 2. Provide some type of boat ramp North of BN tracks on East side of lake for windy conditions.

#3004 (main activity = ?, did not complete survey just sent back blank)

I answered all of these questions for a young lady at the lake a few weeks ago. Please don't bother me anymore.

#3195 (main activity = fishing)

I totally enjoy the lake and all that it has to offer. I would like to know if there are any business opportunities for minorities in the park? And/or local areas. Thanks.

#3218 (main activity = camping)

Please do not send me anymore questioners!

#3289 (main activity = motorboating)

In this day when both parents have to work it is nice to take time off and get away from the hustle and bustle of things. We enjoy the lake and all of the activities associated with it. You can do what you want/when you want to. We have a cabin on the Kaskaskia River, but we chose to come to Carlyle on our vacation for a different experience. We have been there many times and plan to return.

#3551 (main activity = fishing)

Campgrounds have become the property of reservations. Too few sites are for people who want to go camping when they feel like it. It has become too much of a business.

#3216 (main activity = sailing)

We have a sailboat on the lake so we must sail with the wind. Some of the power boats are very noisy and do interfere with my enjoyment of the lake. I have noticed that there have been fewer power boats on the lake this summer then in the previous two years.

#3119 (main activity = motorboating)

The state should open up the lake to private investors so that recreation, restaurants, water sports, bars, and others things would draw a large number at people to the lake and create 100's of jobs.

#3546 (main activity = motorboating)

We really enjoyed our visit to Carlyle Lake. We thought the cottages in Eldon Hazlet State Park were wonderful! This past time was our third visit to the cottages and we plan on future visits. We also enjoy boating on Carlyle Lake. The lake is beautiful!

#3407 (main activity = camping)

Camping was all we did. We were treated very well. We will come back again Coles Creek and Dam West.

#3439 (main activity = camping)

There is adjacent land to Dam West that the Corp could buy/develop. Parking two vehicles at a campsite can be a problem. In my opinion a “pop tent” should not qualify as legal to save a campsite. It took us 5 months to get our credit properly given back on our Mastercard last year due to the spring flooding from the national reservation system. We were always given a different story when we didn’t get the proper credit. It has now been resolved but was no easy task. (Comment on front of survey – We love Dam West!)

#3043 (main activity = relaxing/stress reduction, walking/hiking)

I disagree with reserving the campsites. I would like to see that everyone gets a chance to be able to have lake front campsites. The last time we were there the couples had water front sites, stay there two weeks and then had members of family come in right afterwards. Don’t know how to reserve a site if you don’t have a computer. Please give us all a chance to be by the water.

#3128 (main activity = fishing)

Survey too time consuming.

#3532 (main activity = camping)

Rangers need to do “bed checks” to ensure that campers are indeed camping and not just placing a tent on a site early in the week to reserve a site for the upcoming weekend. It hampers those who cannot afford to spend the fee and not utilize the site. It also hampers those who camp during the week.

#3387 (main activity = fishing)

I need information on water flow at Carlyle Lake dam access, a telephone number I could call for flow levels.

#3303 (main activity = relaxing/stress reduction)

We go there to camp and fish. But fish cleaning stations are the pits. They build a new one by the boat ramp and it never worked right from day one. We camp and fish about two months a year. And have made many new friends.

#3501 (main activity = camping)

The #2 restroom/shower at Dam West campground needs properly maintained by adequate cleaning and painting inside. The shower houses at Hazlet State Park campground need to have a bench to sit down on outside while waiting for your companion.

#3497 (main activity = camping)

I like to have people interested in people having fun.

#3501 (main activity = camping)

Wet bikes and jet skis should have their own area in which to operate. I have 2 young children (11 and 9) that was with me and I didn’t approve of how the jet skis were being operated. The boaters were very good but the wet bikes and jet skis are very wreckless. The way the lake’s recreation has changed the last 5 years is very dis-hearting. If it continues this way the next 5 years will not be any family outings on the lake only party boats. Thanks Randy L. G?

#3404 (main activity = camping)

Large lakes such as Carlyle have such a diverse set of things to do your survey only allows for a “pick one” – having the freedom to combine all – boating, personal water craft, camping, fire watching, etc....is what the Carlyle experience is about. Thanks for your interest.

3400 (main activity = camping)

Too many campsites are on the reserved list. More should be on a first come ?. I think the Boulder and Coles Creek area campgrounds should stay opened longer in the fall. Something should be done about the lake filling in from the northern part. You can’t even use this part anymore.

#3382 (main activity = fishing)

I believe the people fishing at the spillway are very rude. My family was unable to be together to fish for people filling in between us so they would get a better place to fish.

#3561 (main activity = ? completed 1st mail back survey and sent 2nd one)

Dear Ingrid,

I did one of these surveys at least 2 weeks ago and mailed it back at once. You need to have your people coordinate and communicate better so we do not waste the public funds by duplication of effort. Thanks P.S. I did read the first paragraph of your cover letter.

#3561A (main activity = fishing)

I have been boating and camping on this lake for several years and I think the Army Corp and the IL Conservation Dept. are to be commended.

#3377 (main activity = camping)

Enjoy the lake, restrooms are always clean. Would like to see more camp sites with water and sewer. Would be willing to pay more. This would make camping much more enjoyable for seniors, and those who are handicapped and those have small children. Many campers have boat and it sure would be handy if you could pull your boat up to the bank while camping. Overall can't complain about the progress made over the years. The big thing the wife likes the best about Dam West campground is the restaurant nearby. Comment from another page 5 – No place to pull fishing boat up to bank when camping (rip rap makes it impossible) but understand need of rip rap.

#3272 (main activity = camping, fishing, walking/hiking)

Yes. There is not enough fishing docks for handicap in the Keyesport area. We have boat docks, beach, but no dock for fishing if not a dock how about steps so we can get down the rip rap to fish and metal benches by the water, not on the land(?). No one uses them. Only looks goods.

**Appendix L: Lake Visitor Comments
Carlyle Lake, Summer 2004**

Q2. Other experiences (please describe)

#5904 (main activity=fishing)

To have fun and fish all day and night!

#5924 (main activity=jet skiing)

The rangers who drive thru with their windows up, radio on, are a joke. They don't see and hear all manner of things that they would if they walked through. Frequently they're exceeding the 15 mph speed limit as they zip through.

Q5. How satisfied were you with each of the following at this Lake? Please explain anything you were dissatisfied with:

#4229 (main activity=fishing)

Boat launchers are small and truck and trailer parking are bad.

#4264 (main activity=motorboating)

I think my boat was a little to big and at times my prop would go into the mud when I thought we were out far enough.

#4303 (main activity=fishing)

Very crowded and very rude people.

#4310 (main activity=motorboating)

Beached and campsites need to be cleaner boat launches need to be more organized 10 min. rule enforced and parking enforced.

#4319 (main activity=camping)

Water to high for fishing off rocks.

#4350 (main activity=camping)

No trails to walk on at Coles creek

#4385 (main activity=camping)

Not enough quality campsites

#4394 (main activity=fishing)

Water was to hight for fishing

#4412 (main activity=motorboating)

Need enforcement of no wake areas. No wake areas need to start farther away. Water level left courtesy dock useless

#4425 (main activity=motorboating)

The fact that we take the time unlike some, to pay for day boating, writing our names down and putting it in the slot, just to end up with \$50 ticket because our tag blew off the mirror. That is just not right.

#4536 (main activity=fishing)

Bathrooms could have been cleaner-elect should be replaced w/ new ground fault at Hazlet State Park.

#4523 (main activity=camping)

Lack of water hydrants to fill campers.

#4537 (main activity=camping)

Boat ramps were physically fine, however jet skies were zooming around the ramp making it difficult to maneuver.

#4554 (main activity=motorboating)

Not enough SANDY areas for boats to pull up to.

#4762 (main activity=motorboating)

Keysport boat ramp need to be fix where 2 trailers unloading boats don't take up the ramp. Put divider in

#4780 (main activity=swimming)

Water level was excellent but to many things to get hung up on in lake when fishing

#5939 (main activity=fishing)

Lack of fish cleaning stations disrespectful boaters/jet skis

#4780 (main activity=picnicking)

Water level was excellent but to many things to get hung up on in lake when fishing

#4790 (main activity=fishing)

The boat ramps seem to be crowded-I go to Coles Creek from Troy, IL because there are fewer people using the ramps. Keysport needs expanding drastically.

#5921 (main activity=fishing)

What trails? Benches were covered in bird "shit" and dead fish

#5911 (main activity=fishing)

The dead fish below the spillway are disgusting if a fisherman does not the fish put it back in the water

#5901 (main activity=fishing)

Thought level was to low for recreation

#5851 (main activity=motorboating)

If this facility is state run the charge for boat launching is not right!

#5836 (main activity=camping)

More walking trails would be nice

#5826 (main activity=fishing)

Not enough boat ramps for busy times. Too much competition from "pleasure boaters"

#5818 (main activity=Bicycling)

Shower house-3 showers, 1 broken. No dry area to dress. No place to put your clothes. Needs benches or at least more hooks.

#5817 (main activity-camping)

Handicapped sites need low burning fire pits shower houses need soap dispensers

#5801 (main activity=camping)

Campsites are limited over the weekend. The best sites are reservable. Put more water faucets around.

#5794 (main activity=camping)

I was Dissatisfied because the dead limbs in the trees are not trimmed off.

#5688 (main activity=camping)

Low water level makes boating difficult. Low water in coves prevented long term moving of the boat.

#5685 (main activity=fishing)

It was shallow in coves

#5645 (main activity=camping)

We did not bring our boat this year

#4794 (main activity=motorboating)

Water sometimes too low, need to know the lake for boating.

#5774 (main activity=camping)

Do not like the beach, but I do like the pool at Hazlet State Park

#5643 (main activity=camping)

Did not like the idea of most campsites were reserved for weekend only.

#5771 (main activity=fishing)

Need picnic bench by shower. Lake not publicized.

#4598 (main activity=camping)

No beach at Boulder

#4593 (main activity=Motorboating)

It took over 35 min. to get my boat to the ramp to launch.

#4592 (main activity=motorboating)

Water level-6 in. higher; clean out the wash in areas

#5703 (main activity=fishing)

Too many boats

#5701 (main activity=camping)

It always seems to be changing at spawning times, which disrupt the fishing.

#5697 (main activity=camping)

Water was dirty

#5696 (main activity=jet skiing)

Small beach north of Dam West boat ramp needs more sand at water's edge and out 20-30 feet.

#5691 (main activity=camping)

Poison Ivy in back of trailer parking

#4583 (main activity=camping)

Only 30 Amp power service not enough for today's campers. Too much dirt mud when it rains.

#4565 (main activity=fishing)

The parking lots on the street were terrible. The people at the beach were the most disrespectful groups I've ever seen. Trash just seemed to be everywhere. It wasn't the workers fault. I blame that on the people visiting the areas.

#4566 (main activity=fishing)

Could be better managed, more consistent

#4623 (main activity=motorboating)

Always worried about hitting something

#4608 (main activity=camping)

Water was a bit dirty along edge of the bench in “our” cove area.

#5739 (main activity=fishing)

trash left along spillway

#5736 (main activity=camping)

Hazlet State Park-Restrooms-dirty-Noisy at night. Uneven pads, very little rock, muddy when it rains

#5744 (main activity=camping)

Would like higher water! For bank fishing! (Less swimming in coves-drives fish out) Dangerous/glass and rocks! Better tree trimming. (Dead limbs over parking sites)

#5742 (main activity=camping)

Campsites need better drainage and more rock and lakes and drives

Q7. Did anything interfere with your Carlyle Lake experience on this visit? If yes explain:

#4229 (main activity=fishing)

Rain

#4239 (main activity=fishing)

To many “snags” below spillway. Was a very expensive day, losing expensive fishing equipment

#4247 (main activity=camping)

We have had a lot of wind during our visit and we were camping lakeside. There were a lot of small bugs day and night. We had a great time there-very nice people and very clean restrooms.

#4274 (main activity=walking/hiking)

Weather(rain)

#4303 (main activity=fishing)

Overcrowding in the afternoons

#4319 (main activity=camping)

We a hit a deer with our vehicle. They should have some form of deer season to remove the excess deer that are around the park.

#4328 (main activity=camping)

Yes, the people that camped next to us played loud all night long and never went to sleep.

#4421 (main activity=fishing)

The rudeness of some pleasure boaters who think it fun to speed by very close while I am fishing and rock the boat in their wake. This is also dangerous. Discourteousness at the launch site is crowding in and or not having their boat ready to launch and making others wait. This includes tying their boats and/or gear down for pulling out of water.

#4425 (main activity=motorboating)

Getting the ticket.

#4446 (main activity=fishing)

Overcrowding by adults during fishing derby. Also fishing line and trash in fishing derby area.

#4536 (main activity=fishing)

Problems with elect ground fault Hazlet State Park. New RVs and campers have trouble with circuit breakers all the time.

#4551 (main activity=motorboating)

Rude people at boat launch. Courtesy docks away from boat launches may reduce congestion.

#4762 (main activity=motorboating)

Unloading dock at Keyespoint needs to be where more people can get in the boat or out of the boat. It is very poor set up. Should not have to pay \$3.00 to put a boat in with, when dock and ramp not put in right.

#5939 (main activity=fishing)

Disrespectful skiers and jet skis. Have to drive to far to clean fish

#5930 (main activity=fishing)

Wave Bummers Jet skies

#5922 (main activity=fishing)

Poor fishing

#5921 (main activity=fishing)

The lady that worked in Coles Creek booth who was rude, uselss, and unpleasant to deal with.

#5918 (main activity=fishing)

Crowding around the wall of the dam. No consideration already fishing in 1 spot.

#5882 (main activity=camping)

Hubby got laid off while there!

#5880 (main activity=camping)

Loud neighbors w/dogs barking while trying to sleep.

#5878 (main activity=camping)

Teenagers bothering my young children

#5851 (main activity=motorboating)

How is it that campers can swap from site to site near the water area that in the long run isn't fair for the infrequent campers who should have the same chance (first come first serve basis) as anyone!

#5826 (main activity=fishing)

No more than usual. Always problems with people operating other watercraft unsafely, a lot of which is do to young people drinking. This past weekend I was bracked by two large boats running full speed, while I was trolling. One caught my 30# test line and nearly took my expensibile rod and reel out of my hands. Also one large boat nearly ran over me as I was slowly trolling. I stood up to jump over board and he then turned. Missed me by 25 feet running full speed . Both these problems caused by young people.

#5822 (main activity=camping)

To many camp sites for reservation. Need less to reserve and more first come first get it. Need to be able to drive in to see if you can find a camp spot with out giving your life history. Can fill out papers after you find a spot.

#5818 (main activity=bicycling)

The number of scooters being used by children to ride to ride around and around the campsites.

#5797 (main activity=camping)

The trees and shrubs along the rocks at the back of the lakeside campsites. It is a beautiful lake and I enjoy watching the seagulls and sailboats. But a number of lakeside campsites have a very restricted view.

#5688 (main activity=camping)

Fish did not bite

#5645 (main activity=camping)

The way we were not able to camp on site because they were full on the weekends. I am talking about reserving a site. Also when I think you turn 55 the cost should go down. At this age your health goes down and you should be able to enjoy life with out worrying about the cost you have to pay to camp.

#4793 (main activity=camping)

However, some campsites are not well shaded. Some vehicles drive to fast through the campgrounds. The maps found on the on=line reservation website could be more user friendly. The website can be awkward to navigate through.

#5643 (main activity=camping)

Had a hard time finding a spot to camp for 2 weeks as most were reserved for weekend camping only.

#5644 (main activity=observing/photographing wildlife or nature)

Would be nice if in loop 3 at Dam West additional water faucets were installed.

#5792 (main activity=camping)

Excessive noise of kids at 11:30 P.M. No ranger patrols in site and no phone # readily accessible where the rangers office could be called. Message: 10:00 is quiet time, but please don't bother us with enforcing it.

#5771 (main activity=fishing)

Park can use more shower rooms. Bench-picnic table outside building a place wait-put shoes on-when in heavy use this meeting place and place to put on shoes.

#4592 (main activity=motorboating)

Fishing tournament, limited parking spaces

#4635 (main activity=camping)

Barking dogs and their waste

#5721 (main activity=fishing)

Saturday and Sunday over crowding of the Hazel boat launch

#5713 (main activity=fishing)

White Bass was not biting

#5711 (main activity=swimming)

Hard to get into a campsite without a reservation. Very hard when camping with a group of friends.

#5708 (main activity=camping)

A preponderance of "biting" flies!

#5703 (main activity=fishing)

I like people and I don't mind people enjoying the lake it's just that it like most lakes is getting lots of business. I was spoiled years ago when it wasn't so populated.

#5698 (main activity=none)

10 inches of rain

#5695 (main activity=camping)

Weather

#4583 (main activity=camping)

Couldn't use all my appliances in my camper, not enough power

#4565 (main activity=fishing)

I used to visit the spillway quite a bit when I was in High School. I moved to Alabama then just recently moved back. That was my first visit in years to the lake. Things used to be much cleaner and pleasant. Especially at the spillway. I had some friends of mine from work meet with me to fish at the spillway. 5 people. We all had fishing licenses and brought our own bags down for our trash. Unlike everyone else down there. My buddy Lenny Brown received a ticket from the conservation police say it appeared to him my buddy was trying to snag fish. The officer said he watched us for a while even though my buddy didn't catch anything, it "appeared" to him he was snagging. IT COULDN'T BE FARTHER THAN THE TRUTH!

#4623 (main activity=motorboating)

Wind and the roughness of the lake

#5740 (main activity=fishing)

No water was released, gates closed, affects fishing.

#5768 (main activity=swimming)

The battery on my boat went dead in the middle of the lake! (Not the lakes fault) The first boater that came by went to his house on the lake and came back with a jump starter

#5752 (main activity=motorboating)

I have two dogs that love the water, and love people. There is not a beach that is accessible for dogs.

#5744 (main activity=camping)

Too many vehicles at campsites, which causes/impedes normal flow of traffic and create parking of boats and vehicles on grass areas and curves. Causes problem with camper units moving ability.

#5742 (main activity=camping)

Still had children riding bicycling at 1:30 in the morning. Finally told them it was time to go to bed.

#5924 (main activity=jet skiing)

Reservations have ruined this beautiful campground at West Dam. After driving 200 mi we had to shuttle sites 2 days before getting one appropriate for our needs for 2 weeks. All reserved sites are empty all week till the weekends 80% of the campground is reserved for those who arrive late Fri. and leave Sun. morning so for their 24 hrs. we are denied a site for 2 weeks. A few reserved sites would be helpful for travelers but this percentage makes it impossible to pull in for a vacation as we've vacation as we've done for 15 years. The campsites need updating to fit the new longer campers. There are very few site that would accomodate our 36' fifth wheel truck, car, and waverunner. Dead branches in trees are a danger to our roof, trees are too close to the drives to allow expansion of slideouts and awnings, the drives are too narrow to back onto. This park is no longer. First come first serve. Sites are given to friends arriving lates, and "promised" to each other.

Q9. Please read the following statements and circle the number that best represents how much of a problem you found each to be on this visit. Litter (where:)

#4229(main activity=fishing)

Camping area near Indian

#4235 (main activity=fishing)

Along lake shore

#4239 (main activity=fishing)

Below spillway(Westside)

#4310 (main activity=motorboating)

Just slop

#4414 (main activity=motorboating)
Dam West Beach

#4446 (main activity=fishing)
Spillway

#5918 (main activity=fishing)
Banks of river

#4565 (main activity=fishing)
Main beach and spillway

Q9. Please read the following statements and circle the number that best represents how much of a problem you found each to be on this visit. Human body waste (where:)

#4229(main activity=fishing)
Boat ramp

13. Do you have any comments?

#5717 (main activity=fishing)
I think there is too much growth going on at the lake because of the hotel and cabins. This is attracting too many of the bigger boats and the fishermen in the smaller boats are being squeezed out on the weekends. It looks as if you are trying to turn this area into another Lake of the Ozarks.

#4222 (main activity=fishing)
I fish the lake only during the week due to the heavy weekend boat traffic on the ramps.

#4229 (main activity=fishing)
Something needs to be done with the jet skis no respect for other watercraft. Surprised more accidents don't happen as a result of them on the water.

#4239 (main activity=fishing)
Less snags below dam would be nice. Litter is bad, people leave all of their trash. Maybe a sign to not leave litter would help. Have been coming to lake for past 10-15 years. It's a wonderful lake. Also think maybe have someone to start checking fishing license and check to see how many poles people were using.

#4274 (main activity=walking/hiking)
Need more campsites

#4310 (main activity=motorboating)
Have a ranger at each dock to enforce the loading and unloading rule. People are at the docks sometimes holding everyone up. Bathrooms are filthy 90% of the time. No toilet paper period. Bugs all over. Increase size of island by adding sand. Erosion a big problem. Water level drops to low in winter time and doesn't allow duck hunters to travel north of tracks. Dredge out boat lanes in tamalco and pattoka for duck hunters. More food for ducks. Need food place accessible by water

#4319 (main activity=camping)
There are too many problems with getting good campsites. Many times someone is waiting for someone to leave. Then another person puts a tag on the post before the other camper leaves. There should be a waiting list maintained by the host for preference for campsites to be vacated within the next 48 hours. That would be fair to everyone and stop campers from putting up tags early and putting up pup tents before the site is vacant.

#4322 (main activity=camping)

My family enjoys camping at Hazlet park several times each year. The lake is beautiful and there are plenty of activities for all ages. The campground has become increasingly more crowded year after year. Despite this, as well as the increase in daily rate \$15, we will continue to use the park as often as we are able to.

#4328 (main activity=camping)

I live in Carlyle, so I understand the importance of the lake towards Carlyle's economy. So some of my opinions may be slightly biased, but my stay here was very enjoyable and besides my campsite neighbors not going to sleep all night long it was as usual wonderful.

#4378 (main activity=fishing)

Put more trash cans out so more people might use them.

#4333 (main activity=camping)

Jet skis are very dangerous on the lake. They drive like idiots and have no respect for others. Some seem to be awful young driving them. Hazlet State Park needs a new set of rules. The ones now do not specify the number of people on a campsite or a camper or RV. It used to be four adults plus for kids plus two tents one for storage one for kids. Dam west rules are very plain.

#4385 (main activity=camping)

I think that we need more campsites on the lake (state plus federal) with more full hookups! There should also be a lot more activities for summer plus winter to draw people to the lake year round! I wish they would let homes and businesses build on the shoreline as they do at Kentucky lake!

#4412 (main activity=motorboating)

1. Take out concrete dividers on spaces for boat tie down spaces at dam west.
2. Mark parking spaces at Allen branch.
3. Move no wake areas out farther from docking at dam west.
4. If and when courtesy dock may be used area in front is too shallow.

#4425 (main activity=motorboating)

You do need more boat ramps. Everytime we come over, they all way to crowded, and if you want people to pay per day for boating, don't just go by the tag on the mirror, check the paper work that all so much love to have done. This last trip will cost us a lot more than it is worth. Plus we were in a bad storm while on the water no body seems to care about that though. We can't even get our \$3.00 back. So we have to pay \$53.00 for permission to ride on the water that the tax payers pay for anyways. JUST FOR A FEW HOURS ONE DAY! Not a real good way for us to tell all our friends about.

#4455 (main activity=camping)

The lake area offers a good opportunity for family experiences.

#4462 (main activity=relaxing/stress reduction)

Corps of Engineer Rangers need to be more considerate of people-have had people refuse to go to this area with us because of their experiences with the Corps Rangers-parking is inadequate for a large group-electricity needs to be upgraded-have been there and had it go off for hours at a time-

#4469 (main activity=camping)

It is a fun place to go to

#4504 (main activity=fishing)

I enjoyed my day very much and a young lady was very nice and courteous.

#4524 (main activity=camping)

My wife and I enjoy camping at Carlyle lake very much. We camp at the lake at least three times a season. We usually stay two weeks on each trip. It is a 5 hour drive or better for us, but we enjoy the trip. We would like to

camp at the lake more often, but we have property to maintain and it cannot be neglected. We hope to make one more trip before the season ends.

P.S. We did not visit the beach because of the birds(seagulls)on the beach and in the water

#4521 (main activity=camping)

Need more water in campgrounds I unit at Coles Creek

#4517 (main activity=camping)

I would like to see more security around the campgrounds between the hours of 1am to 6am. To much stealing in campgrounds at these hours by noncampers coming into area.

#4506 (main activity=fishing)

Good place. For fishing. Thank you for everything respect. Full.

#4537 (main activity=camping)

Carlyle Lake is a convenient and very enjoyable place for people of southern Illinois to camp and enjoy nature including watersports, some people abuse this privilege. Others are rude and not thoughtfull. We should take of the lake. One of my concerns is how shallow the lake has become. Sorry so messy I ,m filling this out in the car.

#4762 (main activity=motorboating)

I Merle Wernle would like the boat ramps redone this fall before spring and put more loading and unloading docks so people don't have to get upset, putting boat in or out of water. Allen Ranch did a great job putting boat ramps and loading and unloading dock, plus they don't charge I sure would like to have something done about this

#4216 (main activity=camping)

Tree limbs at Macnair camp ground are to low for 5th wheel trailers and the trailer pad are very unlevel

#4790 (main activity=fishing)

I try to use the Keysport boat launch-I live in troy-so it is the closest. Frequently, there are so many boats being launched that makes waiting for the ramp an aggrivating experience. If the ramp was expanded and 1 more floating dock installed the time spent waiting would be short. I have tried to put my boat a few times when a fishing tournament was using the ramp at keysport. It was almost impossible to get in the water. The same holds true when taking the boat out in the evening. I have to wait sometimes ½ hour to get a turn to take boat out. I now frequently drive all the way around toColes 4 ramps makes it easier. I thing keysprot could set up like Coles Creek.

#5935 (main activity=fishing)

Large motor boats and jet skies are inconsiderate of fishermen to a point of dangerous problems.

#5929 (main activity=fishing)

You need more law enforcement. That way people won't throw the much trash like they do now. And the area can be more clean

#5918 (main activity=fishing)

Need to find a way to get rid of Asian Carp without harming anything else

#5904 (main activity=fishing)

We enjoy camping and fishing, but camping out is hard to find area not taken (sometimes).

#5882 (main activity=camping)

Love camping. Please keep campsites as nice as they are

#5880 (main activity=camping)

Overall, I had a great time.

#5851 (main activity=motorboating)

Maybe the jet ski problem should be fixed by giving them their own area to dock. They sit in the way WAY to much.

#5843 (main activity=Relaxing/Stress Reduction)

Disagree with the reservation system. Too many not available(site) because people are using it for just a Friday and Saturday "get-away". Unreserved sites are usually filled quickly. We have had to leave(we wanted Monday thru Sunday) because sites were being held for the weekenders. Why you think 2 days of fees in more important than 7 days of fees is hard to figure out. What a loss of income for the camp area. We do not use the reservation system because of circumstances, we do not know in advance when we would be free to go.

#5836 (main activity=camping)

I strongly feel that the following campsites should be made to reservable. #51, 54, 55, 56, and 58. These campsites are almost always held with a tent by previous camper for next party to move in. They are excellent sites for people w/boats or people who just want to site and view the lake. We have noticed a lot more people popping up tents to hold sites than in previous years. According to your campground rules this is not allowed.

#5826 (main activity=fishing)

Not enough interest shown in fishing as identified by look of questions. Big problems on the lake caused by irresponsible pleasure boaters. Most of these young problems caused by young people. Many of which are drinking or showing off. We need more law enforcement on the water.

#5818 (main activity=bicycling)

My overall camping experience at Carlyle Lake, Illini Campground was good. We experienced over-crowding only on the weekend. Children on scooters was an annoyance. The most aggravating was the lack of convenience at the shower houses, no place to put clothes and items and no dry area to dress in. More showers are needed so you don't have to wait and wait. More places in the campsites to get water would be great. Our hosts were very helpful and very nice.

#5817 (main activity=camping)

State campgrounds need more lighting throu out campsites lower burning pits on handicapped sites soap dispensers in shower houses and signs keeping pets out of shower houses! Also bike racks to keep bikes off sidewalks. Going in shower houses.

#5803 (main activity=camping)

I enjoy the Lake and the camping.

#5797 (main camping=camping)

I really enjoy camping at Carlyle lake I do think your employees could use some people skills. They complain about little things like wheels on the grass and parking a vehicle or boat along the road while you are backing in a camper. But after 10:00 pm everyone can be a drunk and disorderly as they want to because no one is around. Also it would be nice if the campsites were widened so there is enough room so there is enough room for a camper, boat, and two vehicles, this would free up the smaller parking lots. You can't park your boat in the larger parking lot because of the thieves. You need to keep it close to your camper to keep it from being stolen.

#5794 (main activity=camping)

It would be nice if you had more full hook-ups. Have wood piles to burn – trim all the dead wood out of the trees. Us senior citizens can handle the first week in our trailer but if we want to stay two weeks we have to break up camp & go to the dump station and dump. Then we have to set up camp for another week. When we are getting up in years that is a lot of work and camping is all a lot of us can afford to do.

#5684 (main activity=camping)

Need more law enforcement at east spillway and at McNair beach

#5670 (main activity=fishing)

I enjoyed my visit very much and if there any new information about fishing I would like to be informed and also other fishing areas.

#5661 (main activity=fishing)

I am an avid bumper sticker collector and would like to find more available that pertain to the area and activities I enjoy. I would enjoy any that can be offered by the organization you have taken the survey for.

#5650 (main activity=camping)

It would be good to be able to buy ice at Coles Creek. We come over to relax and it would be nice to not have to go so far for ice. You could make a lot of money by selling ice.

#4793 (main activity=camping)

Boulder campground is somewhat isolated. Campers who fail to pack needed supplies or food products are forced to do without, return home to get these items or travel to the nearest community(Carlyle, Centralia) to make necessary purchases. Has the Corp considered some type of general store concept, either operated by the Corp or contracted out? I have noticed that both the Corp and the county sheriff patrol the campgrounds, sometimes only minutes apart. Is there any coordination of scheduling patrols? A private campground I have used maintains inexpensive receptacles throughout the campground for patrons to place aluminum cans in. Is the Corp required to participate in, or encourage the use, recycling programs.

#5774 (main activity=camping)

Carlyle lake is a very enjoyable place to be on and off the water. I have been boating and camping this area for 20 some years, with some great time and some bad, most is weather permitting. Some times you run into bad boaters and campers, but that is to be expected, you have to take the good with the bad.

#5643 (main activity=camping)

Reserving campsites is O.K., but need to reserve for more than weekends only if people are going to reserve it needs to be for 5 days or more. We have been camping at this lake for over 30 years and it is getting harder and harder to get a spot to camp on for 2 weeks at a time because of all the reservation for weekends only.

#5788 (main activity=camping)

Our experience at Dam West Campground and the lake were great. We have found that the people working at the marinas and the businesses we tried to rent watercraft from were extremely RUDE! We also encountered several rude people in the town of Carlyle. This, however, will not keep us from camping there in the future. It is a great place to camp and boat. Especially during the week.

#5780 (main activity=camping)

We enjoyed our camping trip. We had no problems. We will camp there again. We really liked how the lake was not crowded. Also we had a great campsite. The only improvement I can think of is water and sewer at the campsites.

#4593 (main activity=motorboating)

Carlyle lake needs to put in more boat ramps and clean up the beaches. Not enough room at the beaches to pull the boats in for people to use the restrooms.

#4753 (main activity=camping)

We have camped at Carlyle Lake for about 20 years. We are finding it increasingly hard to find a camping spot. We have started using the reserve section or we don't go. Would love to see a shower house in reserve.

#4635 (main activity=camping)

If they had a special area for dogs to walk they could keep the camp-ground a much nicer place for people to walk and play.

#5735 (main activity=camping)

Additional law enforcement would be very beneficial to the campground and lake. We used to see the Clinton Co. Sheriff often in the campground, but that has recently diminished. It would help to keep the noise down and make

the campground safer. It would also be nice if rules were changed for extended stays. Many weekend campers cannot get a nice spot (or a spot at all) because extended stay campers can stay for 14 days @ a time and can usually simply move spots after 14 days.

#5721 (main activity=fishing)

I make use of Carlyle Lake about 8 months out of the year. I find the lake to be good. I do camp and fish on the lake. I have done so since the very beginning. I would like to see more full service campsites. (sewer, electricity, bigger-longer sites)

#5711 (main activity=swimming)

It's hard for a group to camp at Dam West. If you have to cancel a reservation you should NOT be charged, Hotels don't. More camping is needed at places close to Carlyle the city.

#5708 (main activity=camping)

Each time we've camped @ Dam West, the biting flies have been voracious. The rangers who "man" the visitor center are extremely knowledgeable and very personable. In particular, the ranger (sorry, I neglected to get his name) who was there Saturday morning-Aug. 21, 2004. Dam West @ Carlyle Lake is a great Corp Park.

#5703 (main activity=fishing)

The parks and law enforcement folks have done a great job at the lake. It is well maintained and monitored. I recognize times change but it sure was nice n the old days when there were less folks using it, but I'm happy more people get to enjoy it.

#5701 (main activity=camping)

The campgrounds have to many good campsites made reservable. They are wasted during the week because majority of people only want them Friday, Saturday, and Sunday. The rest of the week they site empty. Corp rangers need to be more people friendly. They can be very rude. The fluctuation of the water level at spawning season has really hurt fishing along the gars, Chinese carp, and any other; turtles and snakes.

#5698 (main activity=none)

I use Carlyle Lake for my personal refuge from the city. I have met many new friends who are avid fishermen as I am. This is what keeps me coming back, the friends I have made, the fishing, and the camping.

#5642 (main activity=camping)

No, our experience at Carlyle has always been a pleasure. The campsites at Dam West are always clean and well maintained.

#4809 (main activity=fishing)

My fishing buddies and I love to catch those large Asian Carps. Don't get rid of them.

#4583 (main activity=camping)

The federal campsites on Carlyle Lake are much superior to state campsites, which I find everywhere I usually try to go federal or should I say Corp of Engineers campgrounds.

#4580 (main activity=camping)

The only thing that needs work on is ventilate the outhouses and the bugs in them other than that I have enjoyed Hazlet Park in Carlyle for the past 10 years and I would like to keep going back it is a great place. Thank you. P.S- Change bumper stickers to new design

#4565 (main activity=fishing)

The conservation policeman that gave my buddy Lenny Brown the ticket at the spillway because he said it appeared that he was snagging. Totally upset my trip to the lake. If he or I were doing such a thing that would be all right to get the ticket, but we weren't and we were very, very nice to the officer before, during, and after. I tried not to let that incident sway my outlook of this survey. I think maybe tickets should be giving out to people who leave their trash everywhere. That was the biggest problem.

#4566 (main activity=fishing)

I do many activities through the year. This fall I am going to try to deer hunt this area (Carlyle Lake). If you need anymore information or opinions. Feel free to use me again. Always interested in helping.

#4568 (main activity=camping)

In the Hazlet State Park, I think there should be lights at the playground for the kids to play after dark. There is lights at the place they show the movies and while the movies on, some children go to the park to play and it is dark. We really enjoy camping at Hazlet, in fact my huband whishes we could live in our camper here.

#4576 (main activity=walking/hiking)

My family and I really enjoyed our vacation there. We will be camping at Hazlet from now on. Carlyle lake was really interesting and fun!!!

#4623 (main activity=motorboating)

Yes! In order to improve the lake, make people help pay for it. We spend a lot for money for our boats, so I think, most people would be willing to help pay for improvements if they can enjoy the lake more. Let people pay for membership dues to the lake and spend it for docks by beaches that members can use and other non-members have to pay. Call it perks! Just a thought.

#4608 (main activity=camping)

We always have had positive visits to Carlyle Lake especially at Elden Hazlet State Park!

#4612 (main activity=camping)

We love going to Carlyle Lake. The campground hosts are always helpful, as well as the rangers. There has been some theft the last few times-especially on Holidays, but this is not the parks fault. We bring our Grand children with us and enjoy the new pool. It would be nice if there were more camping areas with electric. P.S. We have never been to Shelbyville Lake but plan to go soon.

#5739 (main activity=fishing)

Littering is a BIG problem below the dam!! 2 recycling bins would greatly help and 1 for aluminum cans and one for old fishing lines.

#5736 (main activity=camping)

Carlyle Lake is very enjoyable to visit. The federal campgrounds are much nicer than the stake campgrounds. All hiking trails seem to be in good conditions. Planting trees to replace dead or damaged trees should be first on the priority list.

#5770 (main activity=fishing)

Lowering of lake to 223 or "winter pool" during winter season severly limits use opportunities during winter period. Some sections of the lake are only usable by airboats—which are a major factor in noise pollution an greatly disturbs wildlife habitat. Highly recommend lake level maintained at 445-year round. Suggest limits on airboats due to disturbing waterfowl and other wildlife, both on and off refuge areas.

#5768 (main activity=swimming)

There should be more than 1 place on the lake to eat and get gas.

#5752 (main activity=motorboating)

If anything the rangers are way to strict and need to slow down the number of tickets they throw at people. I would love to have a beach that is accessible to dogs.

#5744 (main activity=camping)

The restrooms/shower facilities and outdoor toilets are receiving more abuse and not as good maintenance/service as they have in past years at the Eldon Hazlet Park. The "host" program has been very successful improvement. However, I think better compensation to the "hosts" would generate more interest in program participation, and a quality of persons that would have a stronger interest in rules/regulations and daily/hourly monitoring of the facilities. I don't feel proper by passing negative opinions on to anyone without suggested solutions!

#5742 (main activity=camping)

Hazlet definitely needs more shower and toilet facilities to accommodate all the campers at the park. There needs to be strict supervision over these shower rooms to make sure that they are clean and neat at all times. Just cleaning in the morning doesn't do it as in the late afternoon when all the boaters come off the lake there is a lot of activity in the shower rooms and much trash and litter carried in with shoes and left on the shower floor. Pets should definitely not be allowed in the shower rooms. Also the wooden toilets need to be maintained and cleaned and not just have two people riding around together and maybe putting in just a roll of toilet paper and leaving. Quiet hours definitely need to be enforced. Rangers should make more trips around the campsite and **stop** and tell the noisy campsites they need to curb their unnecessary noise or warn them they might have to leave. I know it is important that the rangers police the park for boats and cars that are not correctly parked, but rangers should also police the campers for noise, excessive drinking, dogs not on leashes, and any rule infraction. Anyone who has a barking dog must be told that he has to **keep** the dog **quiet** regardless of the situation. All dogs must be on leashes and when walking a dog the owner **must know** and **must pick up and dispose** of the feces. There are more and more motorized scooters and bikes being used. A decision needs to be made that all are told the same if they can use them or not. Seems some people are allowed to use them and others are told they are not allowed to use them in the park. The fish cleaning facility needs to be attended more often as it is quite smelly and not that clean for cleaning fish. More bleach or some sort of cleaning solution should be used more often and also disinfectant for the smell. We camp lots and appreciate having facilities, but without supervision and correcting the wrongs of the few campers who don't care, these few campers will ruin a great park in a short time and give it a bad reputation.

Thank you for his opportunity to fill out the survey

#5924 (main activity=jet skiing)

After 15 years at this lake, we probably will not return. The campground at Dam West has too few long drive sites, there are too many trees close to the drives, more are being planted. Each year we return to see more stupid things done. The new unisex shower restrooms are horrible (wet) to use with no division between the shower and bathroom. And did they need to ruin a good lake view site to use for a restroom? That site was always full as opposed to others. The year before they made a good site into a drive to the new amphitheatre. The drive could just as easily come in from the otherside where there is no lake view. The addition of some full hook-up sites was great, but they were all reserved sites, thus sat empty all week, till Friday night. The site we had for 2 weeks was bare dirt. Luckily we had only one rain, otherwise, it would have been all mud. Grass can't grown under such thick trees. Why are they planting more and in places that will present more problems to large campers as they grow?