

RECLAMATION

Managing Water in the West

On-Site Survey of Recreation Users and Telephone Survey of Area Residents for New Melones Lake 2007



**U.S. Department of the Interior
Bureau of Reclamation
Central California Area Office**

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A Report of Findings for the
ON-SITE SURVEY OF RECREATION USERS
and
TELEPHONE SURVEY OF AREA RESIDENTS
for
New Melones Lake
2007

Prepared for

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Appendices

- A New Melones Lake Outdoor Recreation On-Site Questionnaire
- B New Melones Lake Telephone Survey Instrument
- C Home ZIP Codes of Survey Respondents
- D New Melones Lake On-Site Survey Open Ended Responses

Introduction

Study Purpose

Faculty in the Department of Recreation and Tourism Management at Arizona State University were contracted by Tetra Tech, Inc. to conduct an on-site survey at New Melones Lake (NML) in California and to oversee a telephone survey of residents in the primary market of NML. NML is a Bureau of Reclamation site providing a variety of water and land based outdoor recreation activities in the region, and the surveys were designed to gather basic information about characteristics, attitudes and perceptions of NLM users. The study was conducted during the 2007 use season.

On-Site Survey

The on-site survey was designed to gather information from current visitors to NML (Appendix A). The form and substance of the survey to be used to collect data at the lake was provided to the researchers by the Bureau of Reclamation. Drs. Kathleen Andereck and Richard Knopf met with staff at the Lake to tour the site and determine a sampling strategy. A sampling strategy was developed to maximize the likelihood of intercepting visitors. The specific time periods for sampling that are particularly recreationally important were prescribed by the Bureau of Reclamation and included May 18-20, July 3-6, August 10-13, September 1-3, and October 12-14.

Surveyors were trained prior to conducting data collection. They were provided a script to guide their interactions with the visitors, along with instruction on intercepting visitors. During the survey periods, research teams intercepted visitors at several sites around the Lake and asked them to participate in the study by completing a questionnaire. Surveys were conducted around the Glory Hole and Tuttle town recreation areas, at Natural Bridges, the Visitor Center, and Peoria Wildlife Area. Many visitors were unwilling to complete questionnaires on site, especially on very busy days. In this case they were given the questionnaire along with a postage-paid reply envelope and asked to return it when they got home or to complete an online version of the survey. Their names and addresses or email addresses were taken and non-respondents were sent two reminders to do the survey, the second of which included another copy of the questionnaire and reply envelope.

During the survey, 834 visitors agreed to participate in the study. Of the questionnaires distributed, 472 were actually returned and included in the analysis for a response rate of 57%. Though a higher response rate is always desirable, 57% is considered quite

good and this study meets the typical goal of survey sampling in that a sample more than 400 provides a sampling error of plus or minus five percent with a confidence interval of 95%. As a result, the findings of this study can be considered reliable and generalizable to the visitor population of the Lake.

Telephone Survey

A telephone survey was conducted to collect data from the primary market area for visitors to NML (Appendix B). Questions to be included on the telephone survey were provided by the Bureau of Reclamation. In general, the questions included were very similar to or the same as counter-parts on the on-site survey – but the range of questions asked was more limited (contrast Appendix A with Appendix B). The telephone survey included screening questions so that not all respondents completed all questions:

- All respondents were asked to answer two general questions about outdoor recreation (rating of importance of outdoor recreation and amount of outdoor recreation use – see Appendix B, Questions 1 and 2). A third question asked if respondents had participated in recreation in or near water in the past five years (Appendix B, Question 3). Those that said “no” concluded the survey with demographic questions only (Appendix B, Questions 56-63) while those who said “yes” were asked to continue to the next question.
- Those continuing on were then asked whether their water-based recreation specifically included a visit to NML over the past five years Appendix B, Questions 4 and 5). If they had not been to NML within five years, the respondents were again directed to conclude the survey with the demographic questions only (Appendix B, Questions 56-63). Otherwise, they were requested to continue on with the entirety of the survey.

Based on the ZIP codes from the on-site data collection (Table C1 in Appendix C), the primary counties of origin were identified and a proportional sampling strategy developed for the telephone survey. The sample was stratified as follows:

- Tuolumne County – 30%
- Stanislaus County – 15%
- Santa Clara County – 16%
- Calaveras County – 13%
- Contra Costa County – 13%
- San Joaquin County – 13%

Residents of those counties were called using a random digit dialing system designed to represent the population of each county. Phone calls were conducted during the period November 2007 through January 2008 by the Institute for Social Science Research at Arizona State University.

Using the AAPOR (American Association of Public Opinion Researchers), the overall response rate to the telephone survey was 26%, while the cooperation rate was 42%. The final sample size was 510. More specifically:

- There were 7,466 samples drawn (each sample is a phone number)
- A total of 18,998 calls were made (includes callbacks to the same number)
- The random sample was selected using Genesys, a random digit dialing system
- 835 individuals refused participation in the survey
- 477 answering machines/voice mail that were households were reached but no person was ever spoken with
- 641 phones were no answer (no machines or person ever answered)
- 101 were always busy
- 338 Fax lines
- 3157 were disconnected
- 638 were not residences

Findings

Demographics of the Sample

Respondents to the on-site and telephone surveys were asked eight demographic questions (Questions 15 through 22 of on-site survey, Appendix A, and Questions 56 through 63 of the telephone survey, Appendix B). These included gender, highest level of education completed, birth year, racial or ethnic background, annual household income, home ZIP code, and group composition. The results are summarized in Tables 1 through 8.

The following is a summary of the demographic characteristics of the 472 on-site survey respondents:

- Of the 420 survey respondents who reported their gender, 62.9% were male and 37.1% were female (Table 1).

- There was a broad distribution of education levels. Roughly twenty percent of the respondents had a bachelor's degree (21.3%), while more than ten percent (10.8%) had more than a four-year degree . At the same time, approximately twenty-three percent (22.8%) had a high school diploma, and a little more than three percent (3.4%) had less than that. Most respondents (41.7%) had some college but no degree, or they had an associate degree (Table 2).
- Respondents' median year of birth was 1961 (Table 3). Approximately three percent (3.2%) were born before 1940, nearly forty percent of respondents were born in the 1940s and 1950s (37.6%), while over fifty percent were born in the 1960s and 1970s (50.7%). The younger age group of those born in 1980 or later was also represented (8.2%).
- There was large variation in family size, with the median age of the oldest family member reported to be 47 years old (Table 4).
- Over forty percent (43.6%) came from households with annual income in excess of \$100,000. Approximately one-third (32%) came from households earning \$50,000 to \$100,000, with the remainder from households earning less than \$50,000 (Table 5).
- Less than ten percent (8.8%) of the respondents were Hispanic or Latino (Table 6).
- Most respondents (89.9%) were white (Table 7). Nearly eight percent (7.6%) were American Indian or Alaskan Native. Other races represented were Asian (4.2%), Native Hawaiian or Pacific Islander (2.0%), and Black or African American (1.9%). Respondents were given the option to chose more than one race.
- As shown in Table 8 and the Table C1 in Appendix C, most (71.1%) of the recreation users contacted at NML gave a home ZIP code with 95 as the first two digits. Another 24.5% gave a 94 ZIP code, and 1.2% gave an out-of-state ZIP code. The remaining 3.2% gave ZIP codes with 90, 91, 92, 93 or 96 as the first two digits. Specific counties are listed on Table C3 in Appendix C.

The following is a summary of the demographic characteristics of the 510 telephone survey respondents:

- Of the 510 survey respondents who reported their gender, 40.2% were male and 59.8% were female (Table 1).
- There was a broad distribution of education levels. More

than one quarter of the respondents had a bachelor's degree (27.0%), while six percent had more than a four-year degree. At the same time, approximately sixteen percent (16.4%) had a high school diploma, and nearly five percent (4.9%) did not have a high school diploma. More than thirty-five percent (35.9%) had some college but no degree, or they had an associates degree (Table 2).

- There was also a broad distribution of age levels of the respondents. Eight percent were born before 1940, nearly forty percent of respondents were born in the 1940s and 1950s (39.7%), while approximately thirty percent were born in the 1960s and 1970s (29.6%). The younger age group of those born in 1980 or later was also represented (8.4%).
- Almost thirty percent (29.3%) came from households with annual income in excess of \$100,000. Approximately one-third (35.4%) came from households earning \$50,000 to \$100,000, with the remainder from households earning less than \$50,000 (Table 5).
- Approximately ten percent (10.2%) of the respondents were Hispanic or Latino (Table 6).
- Most respondents (85.1%) were white (Table 7). Approximately ten percent (10.4%) were American Indian or Alaskan Native. Other races represented were Asian (4.7%), Native Hawaiian or Pacific Islander (2.4%), and Black or African American (3.5%). As with the on-site survey, telephone survey respondents were given the option to select more than one race.
- As shown in Table 8 and Table C2 in Appendix C, most (80.8%) of the recreation users contacted in the telephone survey gave a home ZIP code with 95 as the first two digits. Another one-fifth (16.1%) gave a 94 ZIP code.
- The mean household size of the telephone survey respondents was 2.77 (Table 9). Over half (53.0%) were in households of one or two people.
- The mean number of children in the household of telephone survey respondents is 0.88 (Table 10). Over half (54.1%) have no children under 18 in the household.

Table 1. Gender of on-site and telephone survey respondents (Question 16, Appendix A).

| Gender | Total On-Site % (n=420) | Total Phone % (n=510) |
|--------|----------------------------|--------------------------|
| Male | 62.9 | 40.2 |
| Female | 37.1 | 59.8 |

Table 2. Education levels of on-site and telephone survey respondents (Question Q17, Appendix A; Question 56, Appendix B).

| Highest Grade Level of Education Completed | Total On-Site % (n=417) | Total Phone % (n=507) |
|--|----------------------------|--------------------------|
| Did not graduate high school | 3.4 | 4.9 |
| High school graduate | 22.8 | 16.4 |
| Some college but no degree | 29.5 | 25.4 |
| Associate degree | 12.2 | 10.5 |
| Bachelor's degree | 21.3 | 27.0 |
| Master's degree | 6.2 | 8.5 |
| Professional degree | 2.4 | 3.6 |
| Doctoral degree | 2.2 | 2.4 |
| Other | N/A | 1.2 |
| None of the above | N/A | .2 |

Table 3. Years of birth of on-site and telephone survey respondents (Question 18, Appendix A; Question 57, Appendix B).

| Year Born | Total On-Site % (n=414) | Total Phone % (n=493) |
|-------------|----------------------------|--------------------------|
| Before 1920 | 0.0 | 1.0 |
| 1920-1929 | 1.1 | 7.0 |
| 1930-1939 | 2.1 | 13.0 |
| 1940-1949 | 15.2 | 15.2 |
| 1950-1959 | 22.4 | 24.5 |
| 1960-1969 | 33.7 | 15.6 |
| 1970-1979 | 17.0 | 14.0 |
| 1980-1990 | 8.2 | 8.4 |
| Median | m=1961 | 1955 |

Table 4. Age levels of household members of on-site survey respondents (Question 19, Appendix A; question not included in telephone survey).

| Age of household members | Median | Mean |
|--------------------------|--------|-------|
| Oldest (n=390) | 47 | 48.42 |
| Second oldest (n=361) | 43 | 40.78 |
| Third oldest (n=247) | 16 | 17.57 |
| Fourth oldest (n=174) | 13 | 13.34 |
| Fifth oldest (n=66) | 10 | 11.35 |
| Sixth oldest (n=23) | 9 | 10.26 |
| Seventh oldest (n=11) | 8 | 8.0 |
| Eighth oldest (n=5) | 7 | 8.0 |
| Ninth oldest (n=1) | 14 | 14.0 |
| Tenth oldest (n=1) | 9 | 9.0 |
| Eleventh oldest (n=1) | 2 | 2.0 |

Table 5. Annual household incomes of on-site and telephone survey respondents (Question 20, Appendix A; Question 61, Appendix B).

| Total Annual Household Income | Total On-Site % (n=321) | Total Phone % (n=417) |
|-------------------------------|----------------------------|--------------------------|
| Under \$20,000 | 5.0 | 7.7 |
| \$20,000 to \$34,999 | 8.7 | 11.0 |
| \$35,000 to \$49,999 | 9.7 | 16.5 |
| \$50,000 to \$74,999 | 17.4 | 22.8 |
| \$75,000 to \$99,999 | 15.6 | 12.7 |
| \$100,000 to \$149,999 | 21.8 | 14.1 |
| \$150,000 to \$199,999 | 9.3 | 5.8 |
| \$200,000 or more | 12.5 | 9.4 |

Table 6. Percentage of on-site and telephone survey respondents who are Hispanic or Latino (Question 21, Appendix A; Question 62, Appendix B).

| Hispanic or Latino | Total On-Site % (n=410) | Total Phone % (n=510) |
|--------------------|----------------------------|--------------------------|
| Yes | 8.8 | 10.2 |
| No | 91.2 | 87.8 |
| No Response | N/A | 2.0 |

Table 7. Racial backgrounds of on-site and telephone survey respondents (Question 22, Appendix A; Question 63, Appendix B)

| Race of respondents | Total On-Site % (n=410) | Total Phone % (n=510) |
|---|----------------------------|--------------------------|
| American Indian or Alaska Native | 7.8 | 10.4 |
| Asian | 4.4 | 4.7 |
| Black or African American | 2.2 | 3.5 |
| Native Hawaiian or other Pacific Islander | 2.0 | 2.4 |
| White | 89.8 | 85.1 |

Note: Respondents were allowed to check multiple races

Table 8. ZIP code summary of on-site and telephone survey respondents (Question 58, Appendix B; Question 58, Appendix B – see also Appendix C).

| ZIP Code | Total On-Site % (n=) | Total Phone % (n=) |
|--------------------------------|-------------------------|-----------------------|
| Begins with 94 | 24.5 | 16.1 |
| Begins with 95 | 71.1 | 80.8 |
| Begins with 90, 91, 92, 93, 96 | 3.2 | .4 |
| Out of state | 1.2 | .4 |

Table 9. Household size of telephone survey respondents (Question 59, Appendix B)

| Number of People | Total % (n=502) |
|------------------|--------------------|
| One | 16.7 |
| Two | 36.3 |
| Three to four | 35.2 |
| Five or more | 11.8 |
| Mean | 2.77 |
| Median | 2.00 |

Table 10. Children under 18 in the household of telephone survey respondents (Question 60, Appendix B)

| Number of Children | Total % (n=403) |
|--------------------|--------------------|
| Zero | 54.1 |
| One | 17.9 |
| Two | 19.4 |
| Three or more | 8.7 |
| Mean | 0.88 |
| Median | 0.00 |

Outdoor Recreation Participation Patterns by Telephone Survey Respondents

As indicated above, all respondents to the telephone survey were asked three general questions regarding outdoor recreation.

First, they were asked how important public outdoor recreation areas and facilities are to them and their families (Question 1, Appendix B). This was further contextualized as “recreation areas and facilities managed by any government agency – city, county, state and federal”. As depicted in Figure 1, well over half (58.5%) said public areas and facilities are “Very Important” and an additional quarter (23.7%) said they rated them as “Important”. Thus, over seventy-five percent rated them as “Important” or “Very Important”.

Second, all telephone survey respondents were asked if they spend more time, about the same amount of time or less time in outdoor recreation activities now than they did five years ago (Question 2, Appendix B). As shown in Figure 2, 26.8% said they spend more time, and 29.6% spend about the same amount of time (Figure 2). Over forty percent (43.6%) said they spend less time in outdoor recreation activities than they did five years ago – a noteworthy statistic when considering the dynamics of demand for an outdoor recreation resources such as NML.

Third, all telephone survey respondents were asked if they had participated in outdoor recreation on or near water (such as a lake, reservoir or river) during the past five years (Question 3, Appendix B). Over three-quarters (75.9%) said “Yes” and less than one quarter (23.5%) said “No” (Table 11).

Those who said “Yes” (n=387) were asked to name the lake, river or other water body where they *most often participated* in outdoor recreation on or near water (Question 4, Appendix B). As shown in Table 12, New Melones Lake was the most frequently cited – with 22.1% of the respondents identifying it as the water area. The next most frequently cited water areas were Pine Crest Lake

(9.1% responding), Lake Tahoe (5.9%), Tulloch Lake (4.3%), and Don Pedro Lake (4.3%). They were also asked to name their *favorite* water area (Question 5, Appendix B). A great diversity of water bodies was identified (Table 13). While the most frequently reported preferred water body was NML, only 14.3% reported NML as their favorite water body. Lake Tahoe (9.6%) and Pine Crest Lake (9.3%) were the next most frequently cited water bodies.

Figure 1. Importance of public outdoor recreation areas and facilities to telephone survey respondents (Question 1, Appendix B).

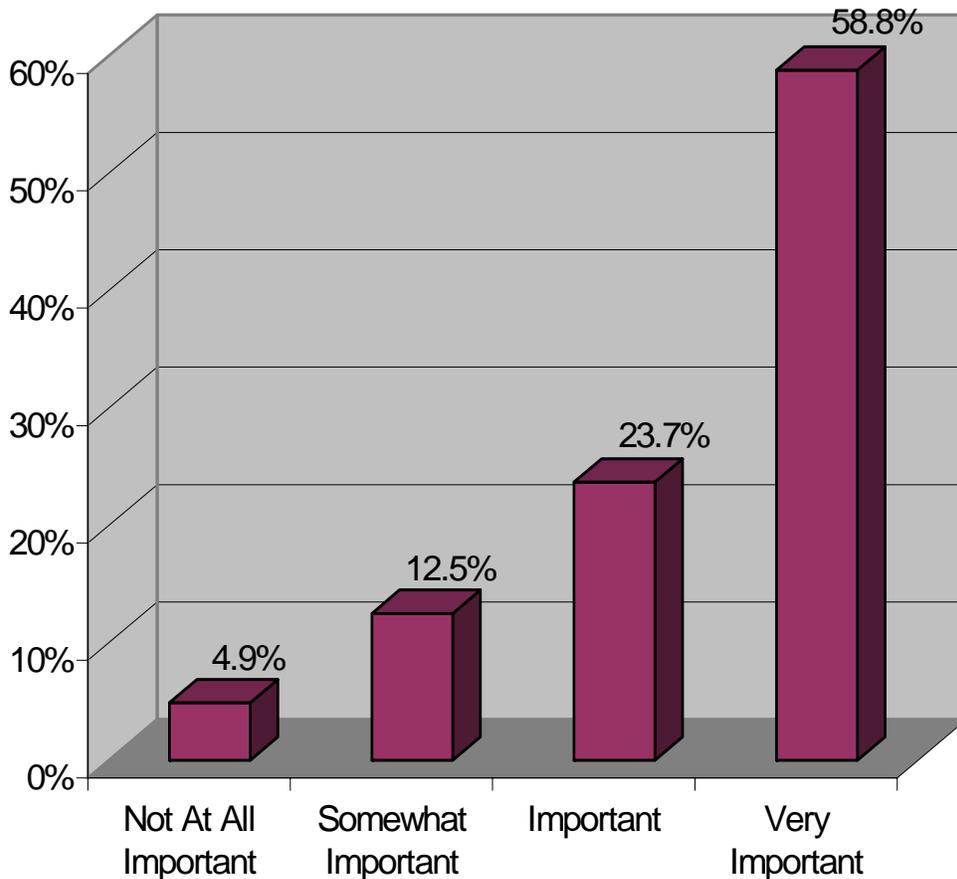


Figure 2. Comparison of time spent in outdoor recreation today with five years ago – telephone survey respondents (Question 2, Appendix B).

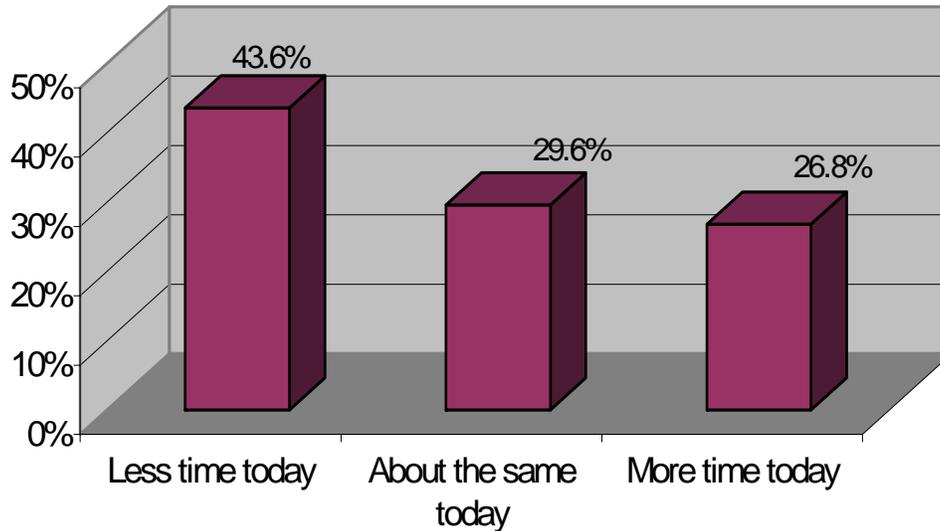


Table 11. Participation in outdoor recreation activities near water by telephone respondents (Question 3, Appendix B).

| Participation | Total Phone % (n=510) |
|------------------------|--------------------------|
| Yes | 75.9 |
| No | 23.5 |
| Don't Know/No Response | 0.6 |

Table 12. Name of the lake, river or other water body where telephone survey respondents most often participate in outdoor recreation (Question 4, Appendix B).

| Where you most often participate in outdoor recreation | Number | Total % (n=375) |
|--|--------|--------------------|
| New Melones Lake | 83 | 22.1 |
| Pine Crest Lake | 34 | 9.1 |
| Lake Tahoe | 22 | 5.9 |
| Tulloch Lake | 16 | 4.3 |
| Don Pedro Lake | 16 | 4.3 |
| Stanislaus River | 14 | 3.7 |
| Sacramento Delta | 12 | 3.2 |
| Tuolumne River | 11 | 2.9 |
| San Francisco Bay | 11 | 2.9 |
| Camanche Lake | 10 | 2.7 |
| New Hogan Lake | 9 | 2.4 |
| Out of state or out of country | 4 | 1.1 |
| Merced River in Yosemite | 3 | 0.8 |
| Lake Shasta | 3 | 0.8 |
| Folsom Lake | 2 | 0.5 |
| Clear Lake | 2 | 0.5 |

Table 12. Name of the lake, river or other water body where telephone survey respondents most often participate in outdoor recreation (Question 4, Appendix B). (continued)

| Where you most often participate in outdoor recreation | Number | Total % (n=375) |
|--|--------|-----------------|
| Lake Berryessa | 2 | 0.5 |
| North Coast (Monterey Bay to Oregon) | 2 | 0.5 |
| American River | 0 | 0.0 |
| South Coast (Big Sur to Mexico) | 0 | 0.0 |
| Other | 115 | 30.7 |

Table 13. Name of the favorite lake, river or water body where telephone survey respondents participate in outdoor recreation (Question 5, Appendix B).

| What is the name of your favorite lake, river, or other water body where you participate in outdoor recreation | Number | Total % (n=364) |
|--|--------|-----------------|
| New Melones Lake | 52 | 14.3 |
| Lake Tahoe | 35 | 9.6 |
| Pine Crest Lake | 34 | 9.3 |
| Stanislaus River | 20 | 5.5 |
| Don Pedro Lake | 14 | 3.8 |
| San Francisco Bay | 12 | 3.3 |
| Sacramento Delta | 10 | 2.7 |
| Lake Shasta | 9 | 2.5 |
| Tulloch Lake | 8 | 2.2 |
| Tuolumne River | 8 | 2.2 |
| New Hogan Lake | 7 | 1.9 |
| Merced River in Yosemite | 6 | 1.6 |
| Camanche Lake | 4 | 1.1 |
| Clear Lake | 3 | 0.8 |
| Lake Berryessa | 2 | 0.5 |
| North Coast (Monterey Bay to Oregon) | 2 | 0.5 |
| Out of state or out of country | 2 | 0.5 |
| American River | 1 | 0.3 |
| Folsom Lake | 0 | 0.0 |
| South Coast (Big Sur to Mexico) | 0 | 0.0 |
| Other | 135 | 37.1 |

Recreation Use

On-Site and telephone survey respondents were asked eight questions about their visits to NML over the past twelve months (Questions 1 through 8 of on-site survey, Appendix A and Questions 6 through 11 of the telephone survey, Appendix B). These questions ranged from assessing rate of visitation to time of visitation, length of stay, area visited, activities conducted, desired activities, and perceived barriers. The following describes the results for this set of variables.

Percent of Telephone Respondents Who Have Visited NML

Telephone survey respondents who said they had participated in outdoor recreation on or near water during the past five years (n =

387) were asked if they had ever visited NML in their past. Sixty-two of the 387 who had participated in outdoor recreation on or near water said that they had visited NML at some point in their life. This represents 12% of the of the total population of 510 telephone survey respondents, and 16% of those telephone survey respondents who said they had participated in outdoor recreation on or near water during the past five years.

Number of Visits to NML

On-Site recreation users were asked how many visits to NML they had made during the past 12 months including the visit they were making when surveyed. The mean number of visits was approximately 13 (13.1%), while the median number of visits was only 6 (Table 14). This suggests that there is a wide distribution of use histories, with many visitors with highly frequent visitation patterns (nearly one quarter, 23.1%, had more than fifteen visits per year), yet a significant concentration of visitors with minimal use levels (43.9% had four or less visits during the past year).

Telephone survey respondents were also asked how many visits they had made to NML during the past 12 months. For those who said they had visited during the past 12 months (n = 58), the mean number of visits was approximately twenty (19.78) and the median number of visits was 5.0 – again demonstrating great distribution in use patterns (Table 14). Over half (55.1%) had four or less visits, and nearly one quarter (22.1%) had in excess of fifteen visits. In general, telephone survey respondents tended to make fewer annual visits to NML than the on-site respondents.

Months of Visits

When on-site recreation users were asked which months they had visited NML during the past 12 months (Question 2, Appendix B), a majority listed May through September with July and August as the two months with the highest percentage of reported recreation use (Table 15). Use patterns by telephone survey respondents were substantially lower than on-site users during August (56.5% versus 69.2%), but substantially the same during July. While June was slightly higher for telephone survey respondents, all the non-summer months were substantially lower than the months reported by on-site respondents (Table 15).

Table 14. Number of times respondents to the on-site and telephone surveys have visited NML during the last 12 months (Question 1, Appendix A; Question 9, Appendix B).

| Visits in Past Twelve Months | Total On-Site% (n=427) | Total Phone % (n=58) |
|------------------------------|---------------------------|-------------------------|
| Zero | N/A | 8.6 |
| One visits | 18.7 | 12.1 |
| Two visits | 10.7 | 5.2 |
| Three to four visits | 13.4 | 20.7 |
| Five to six visits | 10.8 | 17.2 |
| Seven to eight visits | 6.1 | 6.9 |
| Nine to ten visits | 7.2 | 3.5 |
| Eleven to fifteen visits | 8.9 | 3.5 |
| Sixteen to twenty visits | 6.6 | 3.5 |
| Twenty-one to thirty visits | 6.5 | 3.5 |
| Thirty-one to fifty visits | 7.2 | 5.1 |
| Fifty visits or more | 2.8 | 10.2 |
| Mean | m=13.13 | 19.78 |
| Median | m=6.00 | 5.00 |

Table 15. Number of times respondents to the on-site and telephone surveys have visited NML during the last 12 months, by month of visit (Question Q2, Appendix A; Question 10, Appendix B).

| Month Visited | Mean Number of Times On-Site (n=429) | Mean Number of Times Phone (n=62) |
|---------------|---|---|
| January | 20.3 | 16.1 |
| February | 20.5 | 16.1 |
| March | 27.7 | 19.4 |
| April | 36.8 | 27.4 |
| May | 58.5 | 33.9 |
| June | 54.1 | 58.1 |
| July | 63.6 | 62.9 |
| August | 69.2 | 56.5 |
| September | 52.4 | 40.3 |
| October | 29.1 | 17.7 |
| November | 18.2 | 12.9 |
| December | 15.2 | 11.3 |

Reservoir Areas Visited

Table 16 presents the percentages of on-site recreation and telephone survey respondents who reported they had visited each NML area at least one time during the past 12 months.

For the on-site respondents, the highest use areas for these on-site users Glory Hole (44.6%) and Tuttle town (33.2%). Other areas with reported visits include Camp Nine (11.7%), Natural Bridges (11.0%), Mark Twain (3.5%), and Peoria Wildlife Area (2.6%). The NML Visitor Center was utilized by about eight percent of the respondents (7.9%). Within the Glory Hole site, launch sites and the marina were identified as the most frequently used assets

(Glory Hole Point Launch -- 37.1%, Angels Creek Launch – 27.8%, and the Marina – 37.1%). Similarly, at Tuttletown, the most respondents (43.5%) identified the launch as the most frequently used feature.

Table 16 also shows that areas with the highest reported visitation by telephone survey respondents Glory Hole (61.3%) and Tuttletown (43.5%). Other areas visited include Natural Bridges (30.6%), Mark Twain (29.0%), Camp Nine (25.8%), and Peoria Wildlife Area (21.0%). In general, the telephone survey respondents reported greater frequencies of visitation to diverse sites than the on-site visitors.

Table 16. Sites visited at NML during the past twelve months reported by on-site and telephone survey respondents (Question 3, Appendix A; Question 8, Appendix B).

| Areas Visited | Total On-Site% (n=428) | Total Phone % (n=62) |
|---------------------------|---------------------------|-------------------------|
| Camp Nine | 11.7 | 25.8 |
| Glory Hole: | 44.6 | 61.3 |
| Angels Creek Launch | 27.8 | n/a |
| Big Oak Campground | 9.8 | n/a |
| Black Bart Day Use Area | 4.2 | n/a |
| Buck Brush Day Use | 1.9 | n/a |
| Glory Hole Point Launch | 37.1 | n/a |
| Ironhorse Campground | 12.4 | n/a |
| Marina | 37.1 | n/a |
| Osprey Point Day Use Area | 7.7 | n/a |
| Mark Twain | 3.5 | 29.0 |
| Natural Bridges | 11.0 | 30.6 |
| Peoria Wildlife Area | 2.6 | 21.0 |
| Tuttletown: | 33.2 | 43.5 |
| Acorn Campground | 14.3 | n/a |
| Eagle Point Picnic Area | 3.0 | n/a |
| Fiddleneck Group Camp | 1.2 | n/a |
| Heron Point Day Use | 4.7 | n/a |
| Lupine Day Use | 0.9 | n/a |
| Manzanita Campground | 9.8 | n/a |
| Oak Knoll Group Camp | 0.9 | n/a |
| Tuttletown Launch | 43.5 | n/a |
| Visitor Center | 7.9 | 29.0 |
| Other | 1.9 | 4.8 |
| None of the above | N/A | 11.3 |
| Don't Know/No Response | N/A | 1.6 |

Typical Length of Stay

Both on-site recreation and telephone survey respondents were asked to report their average length of stay during a typical visit to the NML.

Tables 17 and 18 report the distributions for on-site respondents. Table 17 reveals that over forty percent (40.9%) on the on-site respondents reported that their typical length of stay involves an overnight experience. The mean length of stay was 1.5 days. About 4% stay five or more days on a typical trip. Nearly thirty percent (28.6%) reported a full one day, but not overnight, visit. About the same number (30.5%) reported a partial day visit only. Table 18 reports the number of hours that day users typically stay. The mean length of stay reported was 4.7 hours.

Tables 19 and 20 report the distributions for telephone survey respondents. Table 19 reveals that, as was true for the on-site respondents, over forty percent (45.6%) reported that their typical stay involves an overnight experiences. The median length of stay was 1.0 days. Yet, in contrast to the on-site respondents, over one quarter of the telephone survey respondents reported that a typical visit involved five or more days. For those reporting their length of stay in hours, the median length report was 5.0 hours (Table 20).

On-Site recreation users alone were also asked to report their length of stay during the visit during which they received the questionnaire. The distributions of response were quite similar to that reported for the typical length of stay (compare Tables 17 and 19 with Tables 21 and 22). Again, over forty percent (41%) reported that their stay involved an overnight experience. The mean length of stay was only slightly higher at 1.7 days. For day users, the mean length of stay is 4.8 hours.

Table 17. Length of stay by respondents to the on-site survey for a typical visit to NML during the past twelve months—those reporting in days (Question 4, Appendix A).

| Number of days | Total % (n=420) |
|-------------------|--------------------|
| Zero full days | 30.5 |
| One day | 28.6 |
| Two to four days | 37.1 |
| Five or more days | 3.8 |
| Mean | m=1.51 |
| Median | m=1.00 |

Table 18. Length of stay by respondents to the on-site survey for a typical visit to NML during a typical visit – those reporting in hours (Question 4, Appendix A).

| Number of hours | Total % (n=42) |
|----------------------------------|-------------------|
| Responded in number of days only | 36.2 |
| One to four hours | 11.4 |
| Five to eight hours | 39.6 |
| Nine or more hours | 12.8 |
| Mean | m=4.68 |
| Median | m=5.00 |

Table 19. Length of stay by respondents to the telephone survey for a typical visit to NML during the past twelve months—those answering in days (Question 7, Appendix B).

| Number of days | Total % (n=22) |
|-------------------|-------------------|
| Zero full days | 9.0 |
| One day | 45.5 |
| Two to four days | 18.2 |
| Five or more days | 27.3 |
| Median | m=1.00 |

Table 20. Length of stay by respondents to the telephone survey for a typical visit to NML during a typical visit – those reporting in hours (Question 7, Appendix B).

| Number of hours | Total % (n=52) |
|---------------------|-------------------|
| One to four hours | 30.8 |
| Five to eight hours | 53.8 |
| Nine or more hours | 15.4 |
| Median | m=5.00 |

Table 21. Length of stay by respondents to the on-site survey for the visit during which they were sampled – those reporting in days (Question 4, Appendix A).

| Number of days | Total % (n=425) |
|-------------------|--------------------|
| Zero full days | 33.6 |
| One day | 25.4 |
| Two to four days | 34.6 |
| Five or more days | 6.4 |
| Mean | 1.67 |
| Median | 1.00 |

Table 22. Length of stay by respondents to the on-site survey for the visit during which they were sampled -- those reporting in hours (Question 4. Appendix A).

| Number of hours | Total % (n=425) |
|----------------------------------|--------------------|
| Responded in number of days only | 36.5 |
| One to four hours | 18.4 |
| Five to eight hours | 33.2 |
| Nine or more hours | 11.9 |
| Mean | 4.79 |
| Median | 4.00 |

Participation in Recreation Activities

On-Site recreation users were asked to indicate how many days they participated in each of 35 recreation activities at NML during the 12 months prior to completion of the survey (Question 5 of the on-site survey, Appendix A). Table 23 shows the number of respondents reporting that they engaged in the activity (the percentage column), and if they did, how many days they participated (the mean column).

As shown in Table 23, the activities with the highest percentage of recreation users participating were swimming (59.0%), motor boating (57.2%), shoreline fishing/boat fishing (41.9%), water skiing or wakeboarding (41.7%), camping (37.4%), beach activities (35%), using open space areas (31.8%), and wildlife viewing (30.7%). Other activities showed lower numbers, with the next tier of activities including driving for pleasure (22.6%), picnicking (20.6%), pet walking (19.7%), and walking or jogging (19.1%). (See Appendix D for a list of “Other” activities)

In terms of the mean number of days spent in each activity, the highest number of days were affiliated with overnight boating (14.6 days), motor boating (14.6 days), bicycling or mountain biking (13.1 days), water skiing or wakeboarding (11.9 days), fishing (11.5 days), and using personal watercraft (10.4 days).

Most Important Activities

On-Site recreation users were asked to consider the 35 recreation activities listed in question 5 of the survey, and then select and rank in order the five recreation activities that were most important to them during their visits to NML during the past twelve months (Question 6 of the on-site survey, Appendix A).

As shown in Table 24, the activities that ranked as most important by the largest percentage of respondents were motor boating (23.8%), fishing (23.3%), and waterskiing or wake boarding (14.7%). Other activities waned in terms of frequency of “Most

Important” selections – suggesting that the water-based activities dominate the interests of the visitors.

Table 23. Percentage of on-site survey respondents who participated in various activities at NML during the past twelve months (Question 5, Appendix A).

| Outdoor Recreation Activity | Total Percent (n=446) | Mean Number Of Days |
|--|-----------------------|---------------------|
| Swimming | 59.0 | 10.4 |
| Motor boating | 57.2 | 14.56 |
| Shoreline fishing/boat fishing | 41.9 | 11.5 |
| Water skiing or wakeboarding | 41.7 | 11.9 |
| Camping | 37.4 | 7.72 |
| Beach activities (including sun bathing, picnicking, etc.) | 35.0 | 7.29 |
| Using personal watercraft | 32.3 | 10.41 |
| Using open space areas (casual & unstructured activities, relaxing, sunning, etc.) | 31.8 | 8.86 |
| Wildlife viewing, bird watching, or viewing natural scenery | 30.7 | 8.45 |
| Driving for pleasure, sightseeing, driving through natural scenery | 22.6 | 6.5 |
| Picnicking in developed sites | 20.6 | 5.73 |
| Walking a pet | 19.7 | 9.11 |
| Walking or jogging for fitness and fun | 19.1 | 7.94 |
| Trail hiking | 16.1 | 6.17 |
| House boating/overnight boating | 15.5 | 14.65 |
| Visiting the visitor center, museum, or historic or cultural sites | 15.2 | 2.13 |
| Camping in a group campsite | 14.6 | 4.34 |
| Tournament fishing | 8.7 | 7.21 |
| Bicycling on paved surfaces | 6.3 | 9.54 |
| Hunting (deer, turkey, upland game, quail, etc.) | 6.1 | 8.74 |
| Flat-water rowing, kayaking, or canoeing | 5.8 | 8.58 |
| Gold panning/gold prospecting | 5.2 | 4.0 |
| Bicycling on unpaved trails or mountain biking | 4.9 | 13.18 |
| Rock climbing/bouldering | 4.3 | 4.74 |
| Caving/spelunking | 4.3 | 2.74 |
| Gathering mushrooms, berries, or other natural products | 2.9 | 4.77 |
| Whitewater rafting, kayaking, or canoeing | 2.9 | 6.38 |
| Participating in special events | 2.9 | 8.69 |
| Sailing or windsurfing | 2.5 | 7.09 |
| Ranger/guide led walks and programs | 2.5 | 1.64 |
| Horseback riding and events | 1.8 | 6.25 |
| Seaplane activities | 1.1 | 3.0 |
| Orienteering/geo-caching | 0.9 | 2.5 |
| Radio controlled aircraft | 0.9 | 10.5 |
| Bicycle racing | 0.4 | 5.0 |
| Other | 1.3 | 2.33 |

Table 24. Activities that are most important to respondents to the on-site survey as they visit NML (Question 6, Appendix A).

| Outdoor recreation activity experience | On-Site Survey Percents | | | | |
|--|-------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | Most Important (n=395) | Second Most Important (n=348) | Third Most Important (n=292) | Fourth Most Important (n=229) | Fifth Most Important (n=196) |
| Walking or jogging for fitness and fun | 1.0 | 1.1 | 1.4 | 1.7 | 5.6 |
| Walking a pet | 0.8 | 2.3 | 2.7 | 5.7 | 2.0 |
| Trail hiking | 0.8 | 0.9 | 4.5 | 2.6 | 3.6 |
| Bicycling on paved surfaces | 0.3 | 1.1 | 0.7 | 1.7 | 1.0 |
| Bicycling on unpaved trails or mountain biking | 1.0 | 0.9 | 0 | 1.3 | 0.5 |
| Bicycle racing | 0.3 | 0 | 0.3 | 0 | 1.0 |
| Picnicking in developed sites | 0.3 | 2.0 | 4.5 | 3.5 | 7.7 |
| Camping | 9.1 | 10.1 | 8.6 | 7.4 | 6.6 |
| Camping in a group campsite | 0.8 | 2.6 | 2.1 | 3.9 | 2.6 |
| Wildlife viewing, bird watching, or viewing natural scenery | 0.5 | 3.4 | 3.8 | 7.9 | 6.1 |
| Gathering mushrooms, berries, or other natural products | 0 | 0 | 0.3 | 0.4 | 0 |
| Hunting (deer, turkey, upland game, quail, etc.) | 0.5 | 2.3 | 2.1 | 2.6 | 1.0 |
| Using open space areas (casual & unstructured activities, relaxing, sunning, etc.) | 1.3 | 2.6 | 3.8 | 6.1 | 9.2 |
| Horseback riding and events | 0.3 | 0.6 | 0 | 0.4 | 0 |
| Beach activities (including sun bathing, picnicking, etc.) | 0.8 | 4.0 | 6.8 | 6.6 | 8.7 |
| Swimming | 5.6 | 17.0 | 21.6 | 9.2 | 5.6 |
| Motor boating | 23.8 | 15.5 | 11.6 | 5.2 | 3.6 |
| House boating/overnight boating | 3.8 | 2.0 | 4.1 | 3.5 | 2.0 |
| Using personal watercraft | 5.3 | 7.2 | 4.5 | 6.1 | 4.6 |
| Water skiing or wakeboarding | 14.7 | 13.5 | 6.2 | 6.1 | 6.1 |
| Sailing or windsurfing | 0.3 | 0 | 0 | 0.4 | 0.5 |
| Whitewater rafting, kayaking, or canoeing | 0.3 | 0.6 | 0.7 | 0 | 0 |
| Flat-water rowing, kayaking, or canoeing | 0.8 | 0.3 | 1.0 | 0.9 | 1.0 |
| Tournament fishing | 0.8 | 1.7 | 1.7 | 0.4 | 1.0 |
| Shoreline fishing/boat fishing | 23.3 | 4.9 | 4.1 | 7.9 | 4.6 |

Table 24. Activities that are most important to respondents to the on-site survey as they visit NML (Question 6, Appendix A). (continued)

| Outdoor recreation activity experience | On-Site Survey Percents | | | | |
|--|-------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | Most Important (n=395) | Second Most Important (n=348) | Third Most Important (n=292) | Fourth Most Important (n=229) | Fifth Most Important (n=196) |
| Driving for pleasure, sightseeing, driving through natural scenery | 0.5 | 0.9 | 1.0 | 3.5 | 8.2 |
| Ranger/guide led walks and programs | 0 | 0 | 0.3 | 1.3 | 1.0 |
| Visiting the visitor center, museum, or historic or cultural sites | 0.8 | 0 | 0.3 | 1.7 | 3.1 |
| Rock climbing/bouldering | 0 | 0.3 | 0.3 | 0 | 0 |
| Orienteering/geo-caching | 0.5 | 0.3 | 0.3 | 0 | 0 |
| Caving/spelunking | 0.8 | 0.9 | 0.3 | 0.4 | 0.5 |
| Gold panning/gold prospecting | 0.5 | 0 | 0.3 | 0.9 | 1.5 |
| Radio controlled aircraft | 0 | 0 | 0 | 0 | 0.5 |
| Seaplane activities | 0 | 0 | 0 | 0 | 0 |
| Participating in special events | 0 | 0.6 | 0 | 0.4 | 0 |
| Other | 1.0 | 0.6 | 0 | 0 | 0.5 |

Desired Activities and Barriers to these Activities

Opportunities for Activities

On-Site recreation users were asked to select and rank in order the five recreation activities that they would have enjoyed at NML if opportunities, facilities and programs had been available or would like to have tried if good opportunities, facilities and programs had been available (Question 7 of the on-site survey, Appendix A). The visitors were asked to select the five activities from the list of 35 in question 5 of the on-site survey (Appendix A). The most frequently identified activities listed as most important (Table 25) were fishing activities (13.1%), horseback riding (7.8%), house boating/overnight boating (6.5%), and bicycling/mountain bike riding (3.7%).

Barriers to Achieving Desired Activities

Respondents to the on-site survey were asked to rate the degree to which sixteen possible barriers might have prevented them from participating in their desired activities at NML (Question 8 of the on-site survey, Appendix A). As shown in Table 26, the most frequently identified barriers were knowledge (“I do not know enough about the activity” – 31.8%; “I do not know enough about NML” – 20.8%), time constraints (“I don’t have enough time or am too busy” – 19.3%), distance (“It is too far from where I live to NML” – 17.3%), and limited facilities (“The facilities are too

limited at NML” – 14.6%). Also see Appendix D for a list of “Other” barriers.

Respondents to the telephone survey were given a list of eighteen possible barriers, and were asked to rate the degree that they might act as barriers to their use of recreation areas and facilities at NML (Questions 37- 55, Appendix B). They were asked to provide their ratings on a five-point scale, with a “1” denoting “Strongly Disagree” and a “5” denoting “Strongly Agree”. The distribution of responses is provided in Table 27. As the Table indicates, the top forms of barriers related to the desire for more facilities to support recreation use. The top three items were “Needs more day use facilities” (Mean = 3.54), “Needs more campgrounds with hot showers and hook-ups” (Mean=3.53), and “More camping or overnight facilities are needed”(Mean=3.26). On average, all three items were ranked substantially above the “Agree” level on the rating scale. Items of lesser significance, but of relatively highly ranking include: “I prefer to go some other place to recreate” (2.77), “Some rowdy undesirable people go to NML” (2.77), “The facilities are too crowded at NML” (2.76), and “Needs better enforcement of rules and regulations” (2.72). Judged least operative as barriers were “it is too far from where I live” (1.74), “I do not feel safe at NML” (1.77), “I no longer go out to travel, or don’t get around much anymore” (1.91), and “The staff at NML is unfriendly or unhelpful” (1.91).

Table 25. Activities that respondents to the on-site survey would have enjoyed if opportunities, facilities, and programs had been available at NML (Question 7, Appendix A).

| Outdoor recreation activity would have enjoyed if available | Percents | | | | |
|---|--------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|
| | Most Important % (n=245) | Second Most Important % (n=189) | Third Most Important % (n=150) | Fourth Most Important % (n=116) | Fifth Most Important % (n=101) |
| Walking or jogging for fitness and fun | 3.3 | 3.2 | 2.7 | 3.4 | 4.0 |
| Walking a pet | 0.4 | 3.7 | 2.0 | 3.4 | 4.0 |
| Trail hiking | 3.3 | 3.2 | 8.7 | 1.7 | 5.9 |
| Bicycling on paved surfaces | 2.9 | 3.7 | 2.7 | 1.7 | 3.0 |
| Bicycling on unpaved trails or mountain biking | 3.7 | 3.2 | 1.3 | 0.9 | 1.0 |
| Bicycle racing | 0.8 | 0 | 0 | 1.7 | 1.0 |
| Picnicking in developed sites | 0.4 | 2.6 | 3.3 | 4.3 | 5.0 |
| Camping | 4.5 | 5.8 | 4.0 | 2.6 | 5.0 |

Table 25. Activities that respondents to the on-site survey would have enjoyed if opportunities, facilities, and programs had been available at NML (Question 7, Appendix A). (continued)

| Outdoor recreation activity would have enjoyed if available | Percents | | | | |
|--|-----------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| | Most Important % (n=245) | Second Most Important % (n=189) | Third Most Important % (n=150) | Fourth Most Important % (n=116) | Fifth Most Important % (n=101) |
| Camping in a group campsite | 0.4 | 2.1 | 1.3 | 2.6 | 0 |
| Wildlife viewing, bird watching, or viewing natural scenery | 0.4 | 1.6 | 2.7 | 1.7 | 5.0 |
| Gathering mushrooms, berries, or other natural products | 0.4 | 1.1 | 0.7 | 0 | 1.0 |
| Hunting (deer, turkey, upland game, quail, etc.) | 4.1 | 3.2 | 2.0 | 1.7 | 4.0 |
| Using open space areas (casual & unstructured activities, relaxing, sunning, etc.) | 3.3 | 1.6 | 0.7 | 3.4 | 2.0 |
| Horseback riding and events | 7.8 | 4.8 | 2.7 | 7.8 | 2.0 |
| Beach activities (including sun bathing, picnicking, etc.) | 4.1 | 3.2 | 4.7 | 3.4 | 5.0 |
| Swimming | 1.2 | 3.7 | 6.0 | 4.3 | 2.0 |
| Motor boating | 6.5 | 5.8 | 6.0 | 1.7 | 1.0 |
| House boating/overnight boating | 6.5 | 3.2 | 2.0 | 3.4 | 1.0 |
| Using personal watercraft | 2.0 | 5.3 | 4.0 | 3.4 | 1.0 |
| Water skiing or wakeboarding | 4.5 | 3.2 | 2.0 | 0.9 | 5.0 |
| Sailing or windsurfing | 1.6 | 1.1 | 2.7 | 1.7 | 2.0 |
| Whitewater rafting, kayaking, or canoeing | 3.7 | 3.7 | 6.7 | 4.3 | 2.0 |
| Flat-water rowing, kayaking, or canoeing | 0.8 | 2.6 | 5.3 | 5.2 | 0 |
| Tournament fishing | 0.8 | 4.8 | 0.7 | 2.6 | 3.0 |
| Shoreline fishing/boat fishing | 13.1 | 4.2 | 4.7 | 2.6 | 3.0 |
| Driving for pleasure, sightseeing, driving through natural scenery | 0.4 | 0 | 1.3 | 3.4 | 8.9 |
| Ranger/guide led walks and programs | 2.4 | 2.6 | 2.0 | 10.3 | 3.0 |
| Visiting the visitor center, museum, or historic or cultural sites | 0.8 | 0.5 | 3.3 | 0 | 2.0 |
| Rock climbing/bouldering | 4.9 | 2.6 | 5.3 | 2.6 | 3.0 |
| Orienteering/geo-caching | 0 | 0 | 1.3 | 0.9 | 1.0 |
| Caving/spelunking | 4.1 | 4.2 | 2.7 | 4.3 | 7.9 |

Table 25. Activities that respondents to the on-site survey would have enjoyed if opportunities, facilities, and programs had been available at NML (Question 7, Appendix A). (continued)

| Outdoor recreation activity would have enjoyed if available | Percents | | | | |
|---|-----------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| | Most Important % (n=245) | Second Most Important % (n=189) | Third Most Important % (n=150) | Fourth Most Important % (n=116) | Fifth Most Important % (n=101) |
| Gold panning/gold prospecting | 3.3 | 5.3 | 2.0 | 3.4 | 1.0 |
| Radio controlled aircraft | 0.8 | 1.1 | 1.3 | 0.9 | 2.0 |
| Seaplane activities | 2.4 | 2.6 | 1.3 | 1.7 | 3.0 |
| Participating in special events | 0.4 | 0.5 | 0 | 0.9 | 0 |
| Other | 0 | 0 | 0 | 0.9 | 1.0 |

Table 26. Barriers to desired outdoor recreation activities expressed by respondents to the on-site survey (Question 8, Appendix A).

| Barriers to Outdoor Recreation Activities | Total % (n=336) |
|---|--------------------|
| I do not know enough about the activity | 31.8 |
| I do not know enough about NML | 20.8 |
| I do not have time or I'm too busy | 19.3 |
| It is too far from where I live to NML | 17.3 |
| The facilities are too limited at NML | 14.6 |
| The activity requires equipment I do not own, cannot rent, or cannot borrow | 14.0 |
| Some rowdy undesirable people go to NML | 9.2 |
| The activity is too expensive | 8.9 |
| The staff at NML is too limited or unavailable | 6.5 |
| The facilities are too crowded at NML | 5.4 |
| Some facilities are not clean at NML | 4.8 |
| I prefer to go some other place to recreate | 4.2 |
| Some facilities are too expensive at NML | 4.2 |
| My friends or family don't go to NML | 3.9 |
| I prefer a different physical environment than is found at NML | 3.0 |
| I do not feel safe at NML | 1.5 |
| Other | 15.5 |

Table 27. Ratings by telephone survey respondents of possible barriers to people using outdoor recreation areas and facilities at NML (by those who have visited NML in the past five years -- Questions 37-55, Appendix B).

| Barriers to Outdoor Recreation Activities Phone Survey (n=155) | Percent | | | | | | Mean |
|--|-------------------|----------|---------------------------------------|-------|----------------|------------------------|------|
| | Strongly disagree | Disagree | Some-what agree and somewhat disagree | Agree | Strongly Agree | Don't Know/No Response | |
| Needs more day use facilities | 3.9 | 16.8 | 7.7 | 37.4 | 15.5 | 18.7 | 3.54 |
| Needs more campgrounds with hot showers and hook-ups | 5.2 | 15.5 | 5.2 | 31.6 | 16.8 | 25.2 | 3.53 |
| More camping or overnight use facilities are needed | 6.5 | 21.3 | 6.5 | 29.0 | 12.3 | 24.5 | 3.26 |
| I prefer to go some other place to recreate | 18.7 | 26.5 | 12.9 | 23.9 | 9.7 | 7.7 | 2.77 |
| Some rowdy undesirable people go to NML | 12.3 | 26.5 | 12.3 | 21.3 | 5.8 | 21.9 | 2.77 |
| The facilities are too crowded at NML | 11.0 | 29.7 | 11.0 | 25.8 | 3.2 | 19.4 | 2.76 |
| Needs better enforcement of rules and regulations | 14.2 | 26.5 | 7.1 | 23.2 | 5.2 | 23.2 | 2.72 |
| I prefer a different physical environment than is found at NML | 20.0 | 31.0 | 9.0 | 23.2 | 4.5 | 12.3 | 2.56 |
| Needs more private business services | 18.1 | 29.7 | 9.7 | 21.3 | 3.2 | 18.1 | 2.54 |
| My friends or family don't go to NML | 25.2 | 32.3 | 7.1 | 16.8 | 10.3 | 8.4 | 2.51 |
| I do not know enough about NML | 29.7 | 39.4 | 2.6 | 12.3 | 12.9 | 3.2 | 2.37 |
| I do not have time or I'm too busy | 32.3 | 33.5 | 14.2 | 14.8 | 3.9 | 1.3 | 2.24 |
| NML doesn't offer the kinds of recreation that are interesting to me | 24.5 | 38.7 | 8.4 | 12.3 | 3.2 | 12.9 | 2.21 |
| Most facilities at NML are poorly maintained or unclean | 17.4 | 36.8 | 9.7 | 9.0 | 0.6 | 26.5 | 2.17 |
| Some facilities are too expensive at NML | 22.6 | 31.0 | 4.5 | 6.5 | 3.9 | 31.6 | 2.09 |
| The staff at NML is unfriendly or unhelpful | 23.9 | 38.7 | 4.5 | 4.5 | 1.3 | 26.5 | 1.91 |
| I no longer go out or travel, or don't get around much anymore | 45.8 | 32.3 | 4.5 | 13.5 | 1.9 | 1.9 | 1.91 |
| I do not feel safe at NML | 34.8 | 45.2 | 4.5 | 3.9 | 0.6 | 11.0 | 1.77 |
| It is too far from where I live to NML | 46.5 | 36.8 | 3.9 | 3.2 | 3.9 | 5.8 | 1.74 |

Current Visit: Visitor Characteristics and Perceptions

Six questions on the on-site survey asked respondents to consider the particular visit during which they were sampled (Questions 9 through 14 of the on-site survey, Appendix A). Information was gathered on group size and composition, number of vehicles in group, sites visited within NML, perceived quality of facilities and services, perceived availability of facilities and services, and priorities for NML improvements.

Composition of Group

Respondents were asked to identify whether they were visiting alone, with family and/or friends, or with an organized group (Question 9 of the on-site survey, Appendix A). The vast majority (84.4%) of respondents reported that they were with family and/or friends (Table 28). Nearly ten percent (9.1%) were alone, and five percent (5.4%) were with an organized group (sports team, church, scouts, work, etc.).

Respondents to the telephone survey were asked to identify what groups they tended to participate with when participating in outdoor recreation visiting at NML (Question 11, Appendix B). When visiting NML, nearly all telephone survey respondents reported they most often visit with family and/or friends (91.7%), while very few visit alone (5.0%) or with an organized group (3.3%).

Group Size

Question 10 of the on-site questionnaire (Appendix A) asked respondents to identify how many people were in their group. Table 29 shows that the mean group size was 7.4. The group sizes reported ranged widely. About one-quarter (25.2%) were in a party of only one or two. About one-third (34.9%) were in a group of three to six. About twenty percent (21.4%) were in a party of seven to ten. Nearly twenty percent (18.5%) were in very large groups of eleven or more.

Number of Vehicles

Question 10 on the on-site survey (Appendix A) also asked respondents to identify the number of vehicles driven by group members to NML. Table 30 shows that forty percent (40%) drove one vehicle, and nearly one-third (32.0%) were in groups having two vehicles. About twenty-eight percent (27.8%) were in groups driving three vehicles or more. The mean number of vehicles driven was 2.6.

Sites Visited

Question 11 of the on-site survey (Appendix A) asked respondents to identify particular sites within NML that they had visited or planned to visit on this trip during which they were sampled. The distribution of results is given in Table 31. Glory Hole was the most frequently reported site, with over one-third (35.8%) of the respondents reporting a visit. At Glory Hole, the most frequently reported site visit was the Marina (30.95%), Glory Hole Point Launch (29.2%), and Angels Creek Launch (18.9%). The next most frequently reported site was Tuttle town (24.1%). Within Tuttle town, a significant number of respondents reporting use of the Tuttle town Launch (35.1%), while other sites waned in comparison. However, almost ten percent (9.2%) of the respondents utilized Acorn Campground.

Table 28. Group composition during current trip to NML for respondents to on-site survey (Question 9, Appendix A).

| During this visit... | Total % (n=463) |
|-----------------------|--------------------|
| Alone | 9.1 |
| Family and/or friends | 84.4 |
| Organized group | 5.6 |
| Other | 0.9 |

Table 29. Group size during current trip to NML for respondents to on-site survey (Question 10, Appendix A).

| Group Size | Total % (n=421) |
|---------------------------|--------------------|
| One to two people (n=106) | 25.2 |
| Three to six (n=147) | 34.9 |
| Seven to ten (n=90) | 21.4 |
| Eleven or more (n=78) | 18.5 |
| Mean | m=7.43 |
| Median | m=5.00 |

Table 30. Number of vehicles driven to NML by respondents' group during current trip (Question 10, Appendix A).

| Number of Vehicles | Total % (n=410) |
|---------------------------|--------------------|
| No car (n=1) | 0.2 |
| One car (n=164) | 40.0 |
| Two cars (n=131) | 32.0 |
| Three to five cars (n=76) | 18.6 |
| Six or more cars (n=38) | 9.2 |
| Mean | m=2.56 |
| Median | m=2.00 |

Table 31. Sites that respondents to the on-site survey had visited or intended to visit on their current trip to NML (Question 11, Appendix A).

| Planned Areas to Visit | Total % (n=424) |
|---------------------------|--------------------|
| Camp Nine | 5.2 |
| Glory Hole: | 35.8 |
| Angels Creek Launch | 18.9 |
| Big Oak Campground | 6.4 |
| Black Bart Day Use Area | 2.6 |
| Buck Brush Day Use | 2.1 |
| Glory Hole Point Launch | 29.2 |
| Ironhorse Campground | 10.8 |
| Marina | 30.9 |
| Osprey Point Day Use Area | 2.8 |
| Mark Twain | 3.1 |
| Natural Bridges | 7.3 |
| Peoria Wildlife Area | 1.7 |
| Tuttletown: | 24.1 |
| Acorn Campground | 9.2 |
| Eagle Point Picnic Area | 2.1 |
| Fiddleneck Group Camp | 0.5 |
| Heron Point Day Use | 2.8 |
| Lupine Day Use | 0.9 |
| Manzanita Campground | 5.2 |
| Oak Knoll Group Camp | 1.7 |
| Tuttletown Launch | 35.1 |
| Visitor Center | 3.5 |
| Other | 1.4 |

Ratings for Quality of Facilities and Services

Respondents to the on-site and telephone surveys were each asked to rate the quality of 10 recreation facilities and services being offered at NML, utilizing a five-point scale ranging from 1 (Very Satisfied) to 5 (Very Dissatisfied). An option was also given for those having “no opinion” (see Question 12, Appendix A, and Questions 12 through 21, Appendix B).

As shown in Tables 32 and 33, all of the 10 items received positive satisfaction ratings on both surveys. For the on-site survey, the lowest satisfaction ratings were generated by “Maintenance of Restrooms” (Mean = 2.09) and “Frequency of Ranger Patrols” (Mean = 2.06). But at the same time, both of these items were ranked significantly higher than the mid-point of the scale.

For the telephone survey, the lowest satisfaction ratings were generated by “Maintenance of Restrooms” (Mean=2.50), “Quality of Interpretative Programs” (Mean=2.06),

“Maintenance of Trails” (Mean=2.09), “Frequency of Ranger Patrols” (Mean=2.04) and “Length of Trails” (Mean=2.02). But again, all of these “lowest” ranked items were significantly above the mid-point of the scale. It seems that, for the most part, there is a general consensus of satisfaction with the quality of facilities and services at NML.

Ratings for Quantity of Facilities and Services

Respondents to both the on-site survey and the telephone survey were also asked to rate the quantity of 15 recreation facilities and services, utilizing a five-point scale ranging from 1 (“Way Too Many”) to 5 (“Way Too Few”). Again, respondents were offered the opportunity to state “No Opinion” (Question 13, Appendix A and Questions 22 through 36, Appendix B).

For the on-site respondents, all but one item was ranked above the mid-point of the scale – indicating broad interest in increasing the number of available facilities and services (Table 34). The one exception was “Number of Campground Hosts” (mean = 2.98), an item for which nearly half (49.7%) had no opinion at all. Some of the top items surrounding the interests of the on-site respondents (listed in descending order of expressed interest) were:

- Number of swimming areas
- Number of RV campsites with hookups
- Number of tent campsites with showers
- Number of docks/temporary moorage
- Number of lake access points
- Number of fish cleaning stations

In making judgments about desired priorities, it is important to consider the magnitude of the percentage of those who have “No Opinion”. For example, the second highest rated item, Number of RV Campsites with Hookups, was judged to be irrelevant to nearly two-thirds (62.1%) of the sample. Yet it was indeed a high item of interest for the remaining one-third.

For the telephone survey respondents, all items were ranked above the mid-point of the scale – indicating broad interest in increasing the number of available facilities and services (Table 35). The lowest rated item was “Number of Parking Spaces” (mean = 3.04). Some of the top items surrounding the interests of the on-site respondents (listed in descending order of expressed interest) were:

- Number of tent campsites with showers

- Number of equestrian trails
- Number of swimming areas
- Number of restroom facilities
- Number of fish cleaning stations
- Number of group campsites
- Number of RV campsites w/ hookups
- Number of docks/temporary moorage

Once again, when making judgments about desired priorities, it is important to consider the magnitude of the percentage of those who have “No Opinion”. For example, the second highest rated item, “Number of Equestrian Trails” was judged to be irrelevant to over sixty percent (62.9%) of the sample. Likewise, the item “Number of RV campsites w/ Hookups” was considered irrelevant to almost two-thirds of the sample (65.9%). Yet, this item was also a high item of interest for the remaining one-third.

Priorities for Possible Improvements

Respondents to the on-site survey were provided a list of 13 possible improvements in facilities or services that could be offered at NML, and were given six response options for each item: (1) Should implement in the next 12 months, (2) Should implement in the next 2 to 5 years, (3) should implement in the next 6 to 20 years, (4) should implement in more than 20 years, (5) This improvement is not needed, and (6) No opinion (Question 14 of the on-site survey, Appendix A). Table 36 reports the response distributions for these items. Improvements that seemed to be most immediately desired by the respondents can be inferred by the distributions under the “Implement in the Next 12 Months” heading of Table 31. The items receiving the most “votes” in that column were:

- Provide boat-in or floating campsites (29.2%)
- Increase parking at boat ramps and campgrounds (26.2%)
- Provide additional lake access areas (25.3%)
- Increase the presence of uniformed law enforcement personnel (24.0%)
- Construct more tent campsites with hot showers (23.8%)

On the whole, it is striking that many of these improvements were desired by most respondents, with respondents differing only in opinion about when the improvements should be made.

In addition to answering the survey questions, many visitors provided comments. These are listed in Appendix D.

Table 32. Ratings of the quality of NML facilities and services given by respondents to the on-site survey (Question 12, Appendix A).

| Quality of Facilities and Services | Percent | | | | | | Mean |
|---|----------------|------------------|--------------------------------------|---------------------|-------------------|------------|------|
| | Very Satisfied | Mostly Satisfied | Even Mix of Satisfied & Dissatisfied | Mostly Dissatisfied | Very Dissatisfied | No Opinion | |
| Maintenance of restrooms (n=417) | 28.5 | 36.0 | 13.4 | 5.5 | 3.8 | 12.7 | 2.09 |
| Frequency of ranger patrols (n=414) | 31.6 | 30.2 | 16.7 | 4.1 | 4.1 | 13.3 | 2.06 |
| Quality of interpretive programs (n=374) | 12.0 | 13.6 | 8.8 | 0.5 | 0.0 | 65.0 | 1.94 |
| Quality of marina (fueling dock, slips) (n=405) | 26.7 | 37.3 | 9.6 | 3.7 | 1.5 | 21.2 | 1.93 |
| Length of trails (n=381) | 16.3 | 21.3 | 6.3 | 1.3 | 0.5 | 54.3 | 1.87 |
| Maintenance of trails (n=390) | 20.3 | 22.8 | 6.4 | 2.3 | 0.3 | 47.9 | 1.84 |
| Size and lay-out of campsites (n=402) | 30.8 | 25.9 | 6.5 | 2.2 | 1.0 | 33.6 | 1.75 |
| Maintenance of picnic areas (n=400) | 27.0 | 27.8 | 7.3 | 2.0 | 0.0 | 36.0 | 1.75 |
| Maintenance of campsites (n=405) | 33.8 | 27.7 | 4.7 | 1.7 | 0.5 | 31.6 | 1.65 |
| Safety of areas and facilities (n=421) | 50.6 | 34.2 | 8.6 | 1.0 | 1.0 | 4.8 | 1.61 |

Table 33. Ratings of the quality of NML facilities and services given by respondents to the telephone survey (Questions 12-21, Appendix B).

| Quality of Facilities and Services (n=62) | Percent | | | | | | Mean |
|---|----------------|------------------|--------------------------------------|---------------------|-------------------|------------------------|------|
| | Very Satisfied | Mostly Satisfied | Even Mix of Satisfied & Dissatisfied | Mostly Dissatisfied | Very Dissatisfied | Don't Know/No Response | |
| Maintenance of restrooms | 21.0 | 35.5 | 3.2 | 21.0 | 6.5 | 12.9 | 2.50 |
| Quality of interpretive programs | 19.4 | 22.6 | 4.8 | 3.2 | 4.8 | 45.2 | 2.12 |
| Maintenance of trails | 24.2 | 30.6 | 6.5 | 9.7 | 1.6 | 27.4 | 2.09 |
| Frequency of ranger patrols | 24.2 | 35.5 | 4.8 | 6.5 | 3.2 | 25.8 | 2.04 |
| Length of trails | 29.0 | 21.0 | 6.5 | 4.8 | 4.8 | 33.9 | 2.02 |
| Size and lay-out of campsites | 25.8 | 32.3 | 3.2 | 3.2 | 4.8 | 30.6 | 1.98 |
| Quality of marina (fueling dock, slips) | 30.6 | 33.9 | 3.2 | 11.3 | 0.0 | 21.0 | 1.94 |
| Maintenance of campsites | 30.6 | 32.3 | 4.8 | 6.5 | 0.0 | 25.8 | 1.83 |
| Maintenance of picnic areas | 33.9 | 32.3 | 0.0 | 8.1 | 1.6 | 24.2 | 1.83 |
| Safety of areas and facilities | 33.9 | 43.5 | 1.6 | 3.2 | 1.6 | 16.1 | 1.75 |

Table 34. Ratings of the quantity of NML facilities and services given by respondents to the on-site survey (Question 12, Appendix A).

| Quantity of Facilities and Services (n=472) | Percent | | | | | No Opinion | Mean |
|---|--------------|----------|------------|---------|-------------|------------|------|
| | Way Too Many | Too Many | Just Right | Too Few | Way Too Few | | |
| Number of swimming areas (n=391) | 2.3 | 1.0 | 27.6 | 18.4 | 14.6 | 36.1 | 3.66 |
| Number of RV campsites w/ hookups (n=385) | 1.3 | 0.5 | 19.7 | 6.5 | 9.9 | 62.1 | 3.61 |
| Number of tent campsites w/ showers (n=387) | 1.0 | 0.8 | 23.3 | 18.1 | 3.9 | 53.0 | 3.49 |
| Number of docks/temporary moorage (n=391) | 1.8 | 1.8 | 33.0 | 22.8 | 7.7 | 33.0 | 3.49 |
| Number of lake access points (n=398) | 1.5 | 0.5 | 47.2 | 17.3 | 9.3 | 24.1 | 3.43 |
| Number of fish cleaning stations (n=391) | 1.3 | 1.3 | 29.9 | 14.6 | 3.8 | 49.1 | 3.36 |
| Number of parking spaces (n=400) | 2.3 | 1.5 | 54.3 | 20.8 | 6.0 | 15.3 | 3.32 |
| Number of restroom facilities (n=402) | 1.5 | 0.5 | 53.5 | 19.4 | 3.2 | 21.9 | 3.29 |
| Number of boat launch facilities (n=403) | 2.2 | 0.5 | 59.8 | 17.9 | 5.0 | 14.6 | 3.27 |
| Number of group picnic sites (n=384) | 1.0 | 1.0 | 28.6 | 7.3 | 2.6 | 59.4 | 3.23 |
| Number of group campsites (n=381) | 0.8 | 0.8 | 26.2 | 6.6 | 1.6 | 64.0 | 3.20 |
| Number of equestrian trails (n=383) | 0.8 | 0.8 | 15.4 | 4.4 | 1.0 | 77.5 | 3.19 |
| Number of biking/hiking trails (n=389) | 1.3 | 0.3 | 27.8 | 7.7 | 1.0 | 62.0 | 3.18 |
| Number of interpretive programs (n=382) | 1.3 | 0.5 | 19.6 | 2.6 | 1.8 | 74.1 | 3.12 |
| Number of campground hosts (n=396) | 2.0 | 3.0 | 39.9 | 4.5 | 0.8 | 49.7 | 2.98 |

Table 35. Ratings of the quantity of NML facilities and services given by respondents to the telephone survey (Questions 22-36, Appendix B).

| Quantity of Facilities and Services (n=34) | Percent | | | | | | Mean |
|--|--------------|----------|------------|---------|-------------|------------|------|
| | Way Too Many | Too Many | Just Right | Too Few | Way Too Few | No Opinion | |
| Number of tent campsites w/ showers | 2.9 | 5.9 | 8.8 | 35.3 | 8.8 | 38.2 | 3.73 |
| Number of equestrian trails | 0.0 | 5.9 | 29.4 | 8.8 | 8.8 | 47.1 | 3.52 |
| Number of swimming areas | 2.9 | 0.0 | 44.1 | 26.5 | 11.8 | 14.7 | 3.52 |
| Number of restroom facilities | 2.9 | 2.9 | 52.9 | 23.5 | 8.8 | 8.8 | 3.51 |
| Number of fish cleaning stations | 0.0 | 0.0 | 38.2 | 29.4 | 2.9 | 29.4 | 3.47 |
| Number of group campsites | 2.9 | 0.0 | 35.3 | 14.7 | 2.9 | 44.1 | 3.43 |
| Number of docks/temporary moorage | 2.9 | 5.9 | 29.4 | 23.5 | 2.9 | 35.3 | 3.43 |
| Number of RV campsites w/ hookups | 2.9 | 8.8 | 26.5 | 8.8 | 8.8 | 44.1 | 3.42 |
| Number of boat launch facilities | 2.9 | 5.9 | 50.0 | 20.6 | 5.9 | 14.7 | 3.37 |
| Number of group picnic sites | 2.9 | 2.9 | 44.1 | 23.5 | 2.9 | 23.5 | 3.30 |
| Number of lake access points | 5.9 | 0.0 | 61.8 | 23.5 | 5.9 | 2.9 | 3.29 |
| Number of biking/hiking trails | 8.8 | 0.0 | 58.8 | 14.7 | 8.8 | 8.8 | 3.26 |
| Number of interpretive programs | 2.9 | 8.8 | 55.9 | 11.8 | 8.8 | 11.8 | 3.22 |
| Number of campground hosts | 2.9 | 0.0 | 44.1 | 11.8 | 2.9 | 38.2 | 3.18 |
| Number of parking spaces | 5.9 | 14.7 | 61.8 | 8.8 | 2.9 | 5.9 | 3.04 |

Table 36. Ratings of possible improvements at NML by respondents to the on-site survey (Question 14, Appendix A).

| To improve recreation at NML, management should... | Percent | | | | | |
|---|-----------------------|--------------------------|---------------------------|---------------------------------|--------------------------------|------------|
| | In the Next 12 Months | In the Next 2 to 5 Years | In the Next 6 to 20 Years | Some-time in More than 20 Years | This improvement is Not Needed | No Opinion |
| Provide boat-in or floating campsites (n=390) | 29.2 | 27.2 | 6.9 | 1.5 | 10.8 | 24.4 |
| Increase parking at boat ramps and campgrounds (n=382) | 26.2 | 21.2 | 7.9 | 2.1 | 16.8 | 25.9 |
| Provide additional lake access areas (n=387) | 25.3 | 23.3 | 9.0 | 1.3 | 17.1 | 24.0 |
| Increase the presence of uniformed law enforcement personnel (n=383) | 24.0 | 14.6 | 6.3 | 3.7 | 20.4 | 31.1 |
| Construct more tent campsites with hot showers (n=382) | 23.8 | 19.1 | 6.8 | 1.3 | 14.4 | 34.6 |
| Provide lodging facilities such as rustic cabins, tent cabins, etc. (n=382) | 19.9 | 18.1 | 10.5 | 2.1 | 19.6 | 29.8 |
| Provide more boat launching facilities (n=392) | 19.1 | 26.5 | 10.5 | 0.8 | 22.4 | 20.7 |
| Construct more RV campsites with pull-through sites, electrical & water hookups with sewer dump stations or sewer hookups (n=391) | 18.4 | 20.7 | 7.7 | 2.6 | 11.5 | 39.1 |
| Provide more educational programs and services (n=384) | 16.1 | 15.4 | 7.0 | 1.6 | 9.1 | 50.8 |
| Provide a non-motorized boating zone for rowing or kayaking (n=381) | 15.0 | 16.3 | 6.0 | 2.4 | 19.9 | 40.4 |
| Develop more multi-use, non-motorized trails for horseback riding, hiking and/or mountain biking (n=383) | 14.1 | 19.6 | 9.1 | 1.3 | 10.7 | 45.2 |
| Provide more group picnic and/or campsites that accommodate large families or groups of 20 or more persons (n=393) | 13.5 | 19.3 | 6.1 | 1.0 | 14.8 | 45.3 |
| Provide more houseboat rental services and facilities (n=380) | 12.4 | 15.5 | 6.6 | 1.8 | 20.5 | 43.2 |

Conclusions

In general, the New Melones Lake serves a diversity of outdoor recreational users who think highly of the services and activities available to them at the resource. While those in the broader geographic market of NML seem moderately concerned about the under-developed supply of facilities, these concerns are not strong. Existing users of NML seem more concerned about barriers imposed by their own lack of knowledge of and distance from the NML than with any form of limited supply opportunities.

The following are some general conclusions that can be drawn, including comparisons between the general patterns of responses by on-site users and telephone survey respondents:

Demographics

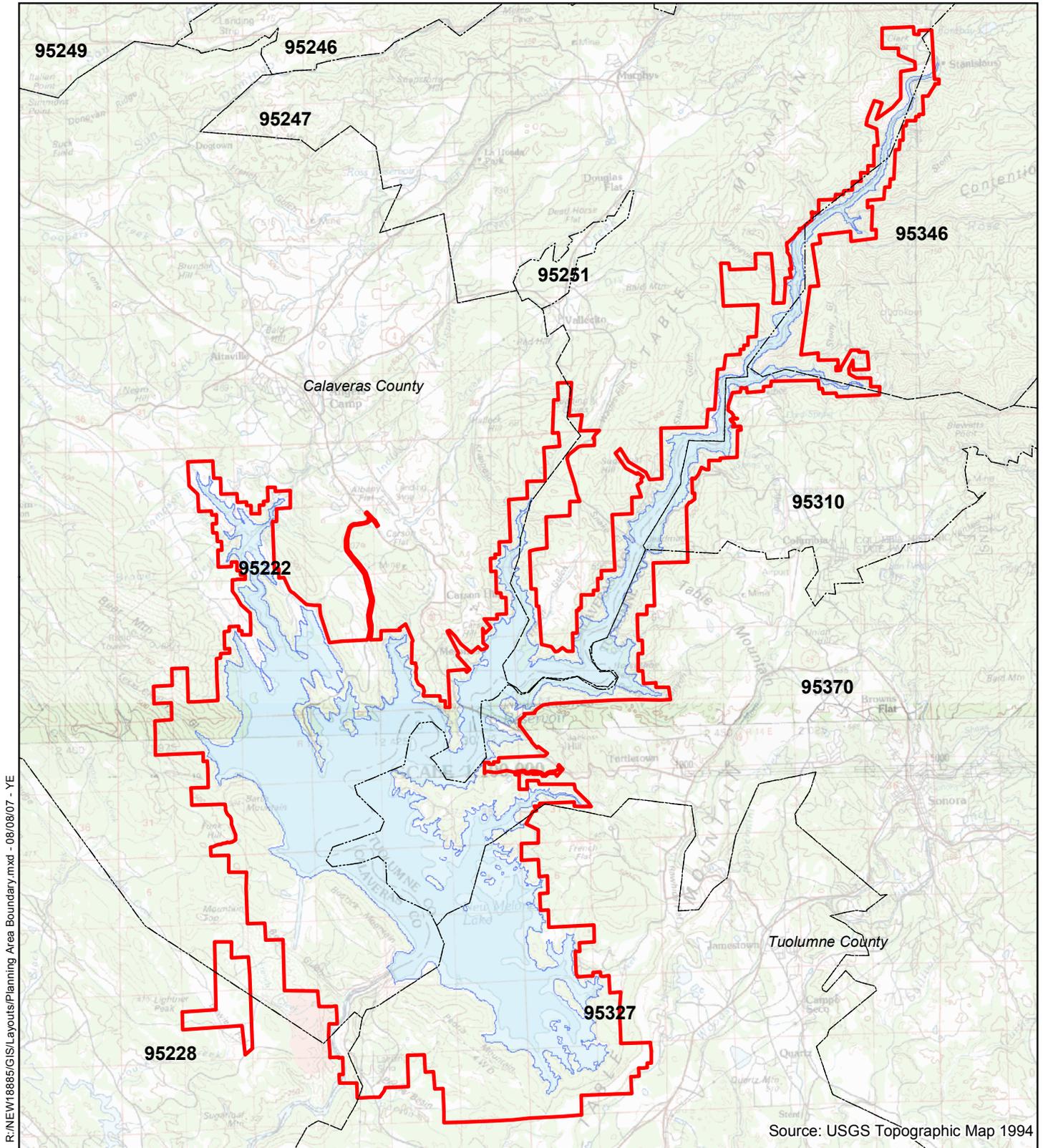
NML visitors represent a broad range of education levels, ages, family sizes, and income levels. However, they tend to have a bit lower level of educational attainment than the geographic watershed of the NML demand area, and a more concentrated age level in the generation born in the fifties and sixties. The on-site survey had a male to female ratio of 60 to 40, while for the telephone survey, the ratio was reversed. The on-site ethnic and racial composition approximately mirrors the geographic area, with approximately nine in ten visitors being White, and approximately ten percent of the visitors being Hispanic or Latino. Most users live within the two ZIP codes surrounding NML (Figure 3).

Outdoor Recreation Patterns in Geographic Demand Area

From the telephone survey, we learn that over seventy-five percent of the residents rate the availability of public outdoor recreation areas to be important to them. At the same time, a very high proportion of the population (43.6%) stated that they are spending less time in outdoor recreation activities than they were just five years ago. The incongruence between desire and ability to participate is striking. Nonetheless, over three-quarters of the residents did indeed participate in water-based outdoor recreation during the past five years, and NML was the most frequently cited visit. While NML was also identified as their most *preferred* resource for water-based outdoor recreation, only 14.3% of those utilizing water-based outdoor recreation resources mentioned NML as their most preferred site.

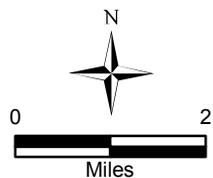
NML Use Patterns

Twelve percent of the residents in the geographic demand area have visited NML within the past five years. From our on-site survey, we learned that those visiting NML have done so an average of 13 times per year. Yet, there is a great diversity in use histories of the population – one quarter had more than fifteen visits during the past year and over forty percent had four or less visits per year. Roughly the same distribution holds true as telephone survey respondents were queried. The majority of on-site users reported their peak visitation months as July and August. However, the general resident survey reports a relatively consistent number of visits across June, July, and August. Total visitation can be calculated in the future from



New Melones Planning Area Boundary - Local Resident Zip Codes

New Melones Lake Area, California
Central California Area Office



car count data using the following formula: number of vehicles/2.6 (number of vehicles per group) x 7.5 (average party size) = visitation.

Trip Characteristics

Based on the information from both the on-site and telephone surveys, most trips to the NML are made with family and friends; relatively few visitors are alone (5%) or with an organized group (3%). Group sizes range widely, but average about 7.5 members. About forty percent of visitors are in groups of at least seven members. About thirty percent of the visitors come to NML in groups driving three or more vehicles.

Sites Visited

The Glory Hole area was identified as the most frequently visited site during the past twelve months in the NML by both on-site and telephone respondents. This was followed by Tuttle town which also had a substantial number of visitors. Natural Bridges and Camp Nine were a more distant third and fourth in terms of frequency of visits. A substantially greater number of telephone survey respondents reported visits to the Mark Twain Site and the Peoria Wildlife Area than was reported by on-site survey respondents.

Length of Stay

In both the on-site and telephone surveys, approximately forty percent reported that their typical visit to NML involved an overnight stay. For those reporting a day use only trip, the average length of stay was approximately five hours.

Recreation Activities

Most visitors to NML participated in water-based activities such as swimming, motor boating, fishing, and water skiing and wake boarding. Camping, beach activities, bicycling/mountain biking, and wildlife viewing are also important to the visitors. The highest number of days of participation was associated with overnight boating, motor boating, bicycling/mountain biking, waterskiing or wake boarding, fishing and using personal watercraft. The activities rated as most important were motor boating, fishing, water skiing and wakeboarding – all water based activities.

Activity Opportunities Desired

There was not a significant call for increased activity opportunities at NML. The most frequently requested opportunity was for fishing, yet this was only mentioned by

thirteen percent of the user population. The next three most frequently mentioned activities needed for supply increase were equestrian use; house boating/overnight boating and bicycling/mountain bike opportunities. Yet, the percentage desiring an increase in these opportunities was only 7.8%, 6.5% and 3.7%, respectively.

Barriers to Desired Activities and Services

On-Site respondents viewed the most significant barrier to achieving their desired experience as “knowledge” – having insufficient knowledge about their desired activities and/or the NML. This barrier could be effectively diminished through creative interpretation and educational programming. A distant lower tier of barriers include time constraints and distance. Limited facilities emerged as a third tier barrier – cited by only fifteen percent of the on-site users. On the other hand, potential facility limitations were judged to be a possible limiting factor for residents in the geographic demand area of NML. Their responses indicate the merit of increasing the number of day use facilities: more campgrounds with hot showers and hook-ups, and more camping or overnight facilities.

Facility and Service Quality Ratings

Respondents to both the on-site and telephone surveys gave the NML high marks for the quality of facilities and services at the resource. In both surveys, the greatest concern was expressed about the “Maintenance of Restrooms”, but it is important to note that even the mean ratings for this item were in the positive side of the satisfaction scale. Other areas that might require focus is in the arena of frequency of ranger patrols and trail maintenance and opportunities. Nonetheless, the data make it clear that NML management activities are held in high regard.

Facility and Service Quantity Ratings

As indicated earlier, the call for increased availability of activity opportunities at NML was not strong. At the same time, it appears that respondents to the on-site survey and the telephone survey are suggesting that basic facilities and services needed to support existing activity opportunities are somewhat inadequate relative to the ideal. Collectively between the two surveys, the following areas of inadequate quantity of available facility and service support systems were identified:

- Number of swimming areas
- Number of tent campsites with showers
- Number of RV campsites with hookups

- Number of docks/temporary moorage facilities
- Number of fish cleaning stations

Priorities for Possible Improvements

In ratings of thirteen possible forms of improvements in facilities and services at NML, NML visitors were generally in support of many forms of investment -- differing only in opinion about when the improvements should be made. Some of the higher priority choices desired for the short range future of NML include:

- Provision of boat-in or floating campsites
- Increased parking at boat ramps and campgrounds
- Provision of additional areas of lake access
- Increased presence of uniformed law enforcement
- Construction of more tent campsites with hot showers

As consideration for these and other improvements is given in the NML planning process, the recreating public will become the ultimate beneficiary.

APPENDIX A

New Melones Lake
**OUTDOOR RECREATION
ON-SITE QUESTIONNAIRE**

RECLAMATION

Managing Water in the West

OMB No. 1006-0027
Expiration Date: 4/30/2010

New Melones Lake ***Sonora, California*** **OUTDOOR RECREATION** **ON-SITE QUESTIONNAIRE**

Conducted for

The Bureau of Reclamation

Paperwork Reduction Act (PRA): This survey is being conducted to assess the current recreation environment at New Melones Lake. The information will be used to determine the recreation opportunities and facilities visitors would like to see developed at New Melones. Response to this survey is voluntary. The reporting burden to the public for this form is estimated to average 15 minutes per response, including time for reviewing the instructions and completing and reviewing the form. 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 Office of Management and Budget control number. Direct comments regarding the burden estimate or any other aspect of these forms to the Bureau of Reclamation, Attn: E. Vasquez, 7794 Folsom Dam Road, Folsom, CA 95630 or call (916) 988-1707 or e-mail evasquez@mp.usbr.gov.

Privacy Act Statement: No Privacy Act information is being collected, and complete anonymity is guaranteed. Information collected will be compiled in a statistical database; therefore, no direct link to the individual(s) filling out the questionnaire will be available.



U.S. Department of the Interior
Bureau of Reclamation

New Melones Lake On-Site Questionnaire

This questionnaire asks about your participation in outdoor recreation activities at New Melones Lake. This information is completely anonymous and very important to the planning and management of outdoor recreation at New Melones Lake. Please complete this questionnaire and return it to the interviewer who gave it to you.

These first few questions relate to your visits to New Melones Lake over the past 12 months.

Q1. Including this visit, approximately how many times did you visit New Melones Lake during the last 12 months?

| |
|---|
| # |
|---|

Q2. During the past 12 months, which months did you visit New Melones Lake?

Please check (✓) all that apply.

| | | | |
|-----------------------------------|--------------------------------|------------------------------------|-----------------------------------|
| <input type="checkbox"/> January | <input type="checkbox"/> April | <input type="checkbox"/> July | <input type="checkbox"/> October |
| <input type="checkbox"/> February | <input type="checkbox"/> May | <input type="checkbox"/> August | <input type="checkbox"/> November |
| <input type="checkbox"/> March | <input type="checkbox"/> June | <input type="checkbox"/> September | <input type="checkbox"/> December |

Q3. During the past 12 months, which of the following areas have you visited at New Melones Lake? Please refer to the map on the New Melones Lake brochure and check (✓) all that apply.

| | |
|--|--|
| <input type="checkbox"/> Camp Nine | <input type="checkbox"/> Peoria Wildlife Area |
| <input type="checkbox"/> Glory Hole | <input type="checkbox"/> Tuttletown |
| <input type="checkbox"/> Angels Creek Launch | <input type="checkbox"/> Acorn Campground |
| <input type="checkbox"/> Big Oak Campground | <input type="checkbox"/> Eagle Point Picnic Area |
| <input type="checkbox"/> Black Bart Day Use Area | <input type="checkbox"/> Fiddleneck Group Camp |
| <input type="checkbox"/> Buck Brush Day Use | <input type="checkbox"/> Heron Point Day Use |
| <input type="checkbox"/> Glory Hole Point Launch | <input type="checkbox"/> Lupine Day Use |
| <input type="checkbox"/> Ironhorse Campground | <input type="checkbox"/> Manzanita Campground |
| <input type="checkbox"/> Marina | <input type="checkbox"/> Oak Knoll Group Camp |
| <input type="checkbox"/> Osprey Point Day Use | <input type="checkbox"/> Tuttletown Launch |
| <input type="checkbox"/> Mark Twain | <input type="checkbox"/> Visitor Center |
| <input type="checkbox"/> Natural Bridges | <input type="checkbox"/> Other (specify) |

Q4. During a typical visit, approximately how many days and hours did you stay at New Melones Lake?

Typical Visit

Day(s) ____ Hour(s) ____

During this visit, how many days and hours are you staying at New Melones Lake?

This Visit

Day(s) ____ Hour(s) ____

Q5. For each of the following recreation activities, please give your best estimate of the **total number of days that you participated in that activity at New Melones Lake during the past 12 months.** Include even those days when you did the activity for only a short period of time. Write your best estimate on the line to the right of each activity. If you did not participate in an activity, please enter a zero (0) in the blank for that activity.

Outdoor Recreation Activity

Number of Days

| | |
|--|--|
| 01 Walking or jogging for fitness and fun | |
| 02 Walking a pet | |
| 03 Trail hiking | |
| 04 Bicycling on paved surfaces | |
| 05 Bicycling on unpaved trails or mountain biking | |
| 06 Bicycle racing | |
| 07 Picnicking in developed sites | |
| 08 Camping | |
| 09 Camping in a group campsite | |
| 10 Wildlife viewing, bird watching, or viewing natural scenery | |
| 11 Gathering mushrooms, berries, or other natural products | |
| 12 Hunting (deer, turkey, upland game, quail, etc.) | |
| 13 Using open space areas (casual & unstructured activities, relaxing, sunning, etc.). | |
| 14 Horseback riding and events | |
| 15 Beach activities (including sun bathing, picnicking, etc.). | |
| 16 Swimming | |
| 17 Motor boating | |
| 18 House boating/overnight boating | |
| 19 Using personal watercraft | |
| 20 Water skiing or wakeboarding | |
| 21 Sailing or windsurfing | |
| 22 Whitewater rafting, kayaking, or canoeing | |
| 23 Flatwater rowing, kayaking, or canoeing | |
| 24 Tournament fishing | |
| 25 Shoreline fishing/boat fishing | |
| 26 Driving for pleasure, sightseeing, driving through natural scenery | |
| 27 Ranger/guide led walks and programs | |
| 28 Visiting the visitor center, museum, or historic or cultural sites, | |
| 30 Rock climbing/bouldering | |
| 31 Orienteering/geo-caching | |

Outdoor Recreation Activity (Q5 Continued)

Number of Days

| | |
|---|--|
| 32 Caving/spelunking | |
| 33 Gold panning/gold prospecting | |
| 34 Radio controlled aircraft | |
| 35 Seaplane activities | |
| 36 Participating in special events (please specify _____) | |
| 37 Other _____ | |

Q6. Please *select up to 5 of the activities listed in Q5 that have been important to you when you visit New Melones Lake* and place the activity numbers in the spaces provided.

| | |
|--|---|
| Most important activity# _____ | Fourth most important # _____ |
| Second most important.# _____ | Fifth most important. # _____ |
| Third most important.# _____ | |

Q7. Please *select up to 5 of the activities listed in Q5 that you would have enjoyed if opportunities, facilities, and programs had been available to you at New Melones Lake* and place the activity numbers in the spaces provided.

| | |
|--|---|
| Most important activity# _____ | Fourth most important # _____ |
| Second most important.# _____ | Fifth most important. # _____ |
| Third most important.# _____ | |

Q8. Using the list below, please *check (✓) all the barriers that may have prevented you from participating in the activities you listed in Q7 at New Melones Lake (NML).*

Barriers to Outdoor Recreation Activities

| | |
|---|---|
| <input type="checkbox"/> I do not know enough about the activity. | <input type="checkbox"/> I do not know enough about NML. |
| <input type="checkbox"/> It is too far from where I live to NML | <input type="checkbox"/> I do not have time or I'm too busy. |
| <input type="checkbox"/> The facilities are too limited at NML. | <input type="checkbox"/> The activity is too expensive. |
| <input type="checkbox"/> The facilities are too crowded at NML. | <input type="checkbox"/> Some facilities are too expensive at NML. |
| <input type="checkbox"/> The staff at NML is too limited or unavailable. | <input type="checkbox"/> Some facilities are not clean at NML. |
| <input type="checkbox"/> I do not feel safe at NML. | <input type="checkbox"/> My friends or family don't go to NML. |
| <input type="checkbox"/> I prefer to go some other place to recreate. | <input type="checkbox"/> Some rowdy undesirable people go to NML. |
| <input type="checkbox"/> I prefer a different physical environment than is found at NML | <input type="checkbox"/> The activity requires equipment I do not own, cannot rent, or cannot borrow. |
| <input type="checkbox"/> Other: | |

These next few questions apply to your current visit to New Melones Lake.

Q9. During this visit to New Melones Lake, are you visiting alone, with friends and/or family, or with an organized group (sports team, church, scouts, school, work, etc.)? Please check (✓) all that apply.

- Alone
- Family and/or Friends
- Organized Group
- Other (specify) _____

Q10. Including yourself, how many people are in your group? #

How many vehicles(cars, RVs, etc.) **did your group drive to New Melones Lake?** #

Q11. During this visit, which of the following areas have you visited or do you plan to visit? Please refer to the map on the New Melones Lake brochure and check (✓) all that apply.

| | |
|--|--|
| <input type="checkbox"/> Camp Nine | <input type="checkbox"/> Peoria Wildlife Area |
| <input type="checkbox"/> Glory Hole | <input type="checkbox"/> Tuttle town |
| <input type="checkbox"/> Angels Creek Launch | <input type="checkbox"/> Acorn Campground |
| <input type="checkbox"/> Big Oak Campground | <input type="checkbox"/> Eagle Point Picnic Area |
| <input type="checkbox"/> Black Bart Day Use Area | <input type="checkbox"/> Fiddleneck Group Camp |
| <input type="checkbox"/> Buck Brush Day Use | <input type="checkbox"/> Heron Point Day Use |
| <input type="checkbox"/> Glory Hole Point Launch | <input type="checkbox"/> Lupine Day Use |
| <input type="checkbox"/> Ironhorse Campground | <input type="checkbox"/> Manzanita Campground |
| <input type="checkbox"/> Marina | <input type="checkbox"/> Oak Knoll Group Camp |
| <input type="checkbox"/> Osprey Point Day Use | <input type="checkbox"/> Tuttle town Launch |
| <input type="checkbox"/> Mark Twain | <input type="checkbox"/> Visitor Center |
| <input type="checkbox"/> Natural Bridges | <input type="checkbox"/> Other (specify) |

Q12. During this visit, how would you rate the quality of recreation facilities and services at New Melones Lake? Please indicate how satisfied you were with the facilities and services by checking (✓) the corresponding box or boxes.

| Types of Facilities and Services | Very Satisfied | Mostly Satisfied | An Even Mix of Satisfied & Dissatisfied | Mostly Dissatisfied | Very Dissatisfied | No Opinion |
|--|--------------------------|--------------------------|--|----------------------------|--------------------------|--------------------------|
| Safety of areas and facilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Frequency of ranger patrols | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Maintenance of campsites | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Size and lay-out of campsites | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Maintenance of restrooms | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Maintenance of picnic areas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Maintenance of trails | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Length of trails | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Quality of the marina (fueling dock & slips) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Quality of interpretive programs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q13. During this visit, how would you rate the quantity of facilities? Please indicate if New Melones Lake has the right number of these facilities by checking (✓) the corresponding box.

| Types of Facilities and Services | Way Too Many | Too Many | Just Right | Too Few | Way Too Few | No Opinion |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Number of campground hosts | <input type="checkbox"/> |
| Number of restroom facilities | <input type="checkbox"/> |
| Number of biking/hiking trails | <input type="checkbox"/> |
| Number of equestrian trails | <input type="checkbox"/> |
| Number of tent campsites w/showers | <input type="checkbox"/> |
| Number of RV campsites w/hookups | <input type="checkbox"/> |
| Number of group campsites | <input type="checkbox"/> |
| Number of lake access points | <input type="checkbox"/> |
| Number of boat launch facilities | <input type="checkbox"/> |
| Number of docks/temporary moorage | <input type="checkbox"/> |
| Number of parking spaces | <input type="checkbox"/> |
| Number of fish cleaning stations | <input type="checkbox"/> |
| Number of group picnic sites | <input type="checkbox"/> |
| Number of swimming areas | <input type="checkbox"/> |
| Number of interpretive programs | <input type="checkbox"/> |

Q14. For each of the possible improvements at New Melones Lake listed in the following table, please indicate when the improvements listed should be implemented in the next 12 months, in the next 2 to 5 years, in the next 6 to 20 years, sometime in more than 20 years, or if the improvement should not be implemented by checking (✓) the corresponding box.

| <p align="center">To improve recreation at New Melones Lake, management should.....</p> | <p align="center">In the Next 12 Months</p> | <p align="center">In the Next 2 to 5 Years</p> | <p align="center">In the Next 6 to 20 Years</p> | <p align="center">Sometime In More than 20 Years</p> | <p align="center">This Improvement Is Not Needed</p> | <p align="center">No Opinion</p> |
|--|---|--|---|--|--|----------------------------------|
| Provide more educational programs and services. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Increase the presence of uniformed law enforcement personnel. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide a non-motorized boating zone for rowing or kayaking | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide more boat launching facilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide boat-in or floating campsites. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide more houseboat rental services and facilities. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Increase parking at boat ramps and campgrounds | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p align="center">To improve recreation at New Melones Lake, management should..... (Q14 continued)</p> | <p align="center">In the Next 12 Months</p> | <p align="center">In the Next 2 to 5 Years</p> | <p align="center">In the Next 6 to 20 Years</p> | <p align="center">Sometime In More than 20 Years</p> | <p align="center">This Improvement Is Not Needed</p> | <p align="center">No Opinion</p> |
| Provide lodging facilities such as rustic cabins, tent cabins, etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide more group picnic and/or campsites that accommodate large families or groups of 20 or more persons | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Construct more tent campsites with hot showers. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Construct more RV campsites with pull-through sites, electrical & water hookups with sewer dump stations or sewer hookups. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide additional lake access areas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Develop more multi-use, non-motorized trails for horseback riding, hiking and/or mountain biking | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

These last few questions are for classification purposes only. Your responses will remain anonymous and will be combined with responses of other survey participants for reporting as averages.

Q15. What is the ZIP code at your home?

Q16. What is your gender? Male Female

Q17. What is the highest grade level of education you have completed?

- | | |
|---|--|
| <input type="checkbox"/> Did not graduate high school | <input type="checkbox"/> Bachelor's degree |
| <input type="checkbox"/> High school graduate | <input type="checkbox"/> Master's degree |
| <input type="checkbox"/> Some college but no degree | <input type="checkbox"/> Professional degree |
| <input type="checkbox"/> Associate degree | <input type="checkbox"/> Doctorate degree |

Q18. In what year were you born?

Q19. Please list the age of each person who lives in your household beginning with the oldest and ending with the youngest.

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Q20. Which of the following categories best describes your total annual household income (the total combined incomes for all members of your household before taxes)?

- | | |
|---|---|
| <input type="checkbox"/> Under \$20,000 | <input type="checkbox"/> \$75,000 to \$99,999 |
| <input type="checkbox"/> \$20,000 to \$34,999 | <input type="checkbox"/> \$100,000 to \$149,999 |
| <input type="checkbox"/> \$35,000 to \$49,999 | <input type="checkbox"/> \$150,000 to \$199,999 |
| <input type="checkbox"/> \$50,000 to \$74,999 | <input type="checkbox"/> \$200,000 or more |

The two questions below are designed to describe your ethnicity and race. Regardless of your answer to question 21, please go to question 22.

Q21. Are You Hispanic or Latino, i.e., a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race?

- Yes
- No

Q22. Please select one or more racial categories with which you most closely identify and check(✓) all that apply.

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White

Finally, please use the space below for **any comments** you may have about outdoor recreation areas and facilities at New Melones Lake. Please use the back of this page if you need more space. Thank you for your assistance.

APPENDIX B

New Melones Lake Telephone Survey Instrument

RECLAMATION

Managing Water in the West

OMB No. 1006-0027
Expiration Date: 04/30/2010

New Melones Lake
Sonora, California
OUTDOOR RECREATION
TELEPHONE SURVEY INSTRUMENT

Conducted for

The Bureau of Reclamation

Paperwork Reduction Act (PRA): This survey is being conducted to assess the current recreation environment at New Melones Lake Area. The information will be used to determine the recreation opportunities and facilities visitors would like to see developed at New Melones. Response to this survey is voluntary. The reporting burden to the public for this form is estimated to average 15 minutes per response, including time for reviewing the instructions and completing and reviewing the form. 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 Office of Management and Budget control number. Direct comments regarding the burden estimate or any other aspect of these forms to the Bureau of Reclamation, Attn: E. Vasquez, 7794 Folsom Dam Road, Folsom, CA 95630 or call (916) 988-1707 or e-mail evasquez@mp.usbr.gov.

Privacy Act Statement: No Privacy Act information is being collected, and complete anonymity is guaranteed. Information collected will be compiled in a statistical database; therefore, no direct link to the individual(s) filling out the questionnaire will be available.



U.S. Department of the Interior
Bureau of Reclamation

HELLO This is ____ and I'm conducting a survey on recreation at New Melones Lake for the Bureau of Reclamation. Have I reached [READ RESPONDENT'S TELEPHONE NUMBER]?

- CONTINUE
- TERMINATE

SELSUBJ May I speak to the person who had the most recent birthday and is at least 18 years old?

- YES [SKIP TO INTRO1]
- NO [go to CALLBAK1]

CALLBAK1 Can you suggest a better time to call back?

- [specify time]_____ am / pm
- REFUSED

INTRO1 The survey I'm conducting is on outdoor recreation. The information you provide will be used by the Bureau of Reclamation to help determine recreation management at New Melones Lake for the next 15 years. Response to this survey is voluntary and all responses will be kept completely anonymous. This survey is estimated to take 15 minutes. This collection has been approved by the Office of Management and Budget and I can provide you with contact information for comments regarding this survey.

If it is all right with you, I would like to ask you the survey questions now.

- YES [SKIP TO Q1]
- Please give me that contact information. [go to CONTAC1]
- This is not a good time for me. [SKIP TO CALLBAK2]
- NO [SKIP TO CONCLUD2]

CONTAC1 The OMB approval number is 1006-00XX and you can contact the Bureau of Reclamation by phone at (916) 988-1707, via e-mail at evasquez@mp.usbr.gov, or mail your comments to the Bureau of Reclamation, Attn: E. Vasquez, 7794 Folsom Dam Road, Folsom, CA 95630.

If it is all right with you, I would like to ask you the survey questions now.

- YES [SKIP TO Q1]
- This is not a good time for me. [go to CALLBAK2]
- NO [SKIP TO CONCLUD2]

CALLBAK2 Can you suggest a better time for us to call you back?

- [specify time]_____ am / pm
- REFUSED

Q1. I'd like to begin by asking how important **public outdoor recreation areas and facilities** are to you and your family? That is, recreation areas and facilities managed by any government agency – city, county, state and Federal. Would you say they are...

- Not at all important,
- Somewhat important,
- Important, or
- Very important?
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q2. In general, do you spend more time, about the same amount of time, or less time in outdoor recreation activities now than you did 5 years ago?

- More time
- About the same
- Less time
- DON'T KNOW/ NO RESPONSE
- REFUSED

RECREATN These next few questions focus on your recreation activities on or near water.

Q3. In the past 5 years have you participated in outdoor recreation on or near water such as a lake, reservoir, or river? (swimming, hiking, bicycling, camping, water skiing, fishing, boating, picnicking)

- Yes
- No [skip to **DEMOGRAF**]
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q4. What is the name of the lake, river, or other water body **where you most often participate** in outdoor recreation?

- | | |
|---|---|
| <input type="checkbox"/> New Melones Lake | <input type="checkbox"/> American River |
| <input type="checkbox"/> Tulloch Lake | <input type="checkbox"/> Sacramento Delta |
| <input type="checkbox"/> Don Pedro Lake | <input type="checkbox"/> Tuolumne River |
| <input type="checkbox"/> Pardee Lake | <input type="checkbox"/> Folsom Lake |
| <input type="checkbox"/> New Hogan Lake | <input type="checkbox"/> Clear Lake |
| <input type="checkbox"/> Camanche Lake | <input type="checkbox"/> Lake Berryessa |
| <input type="checkbox"/> Pine Crest Lake | <input type="checkbox"/> San Francisco Bay |
| <input type="checkbox"/> Stanislaus Rive | <input type="checkbox"/> North Coast (Monterey Bay to Oregon) |
| <input type="checkbox"/> Merced River in Yosemite | <input type="checkbox"/> South Coast (Big Sur to Mexico) |
| <input type="checkbox"/> Lake Tahoe | <input type="checkbox"/> Out of state or out of country |
| <input type="checkbox"/> Lake Shasta | |
| <input type="checkbox"/> Other _____ [specify] | |
| <input type="checkbox"/> DON'T KNOW/ NO RESPONSE [skip to Q6] | |
| <input type="checkbox"/> REFUSED [skip to Q6] | |

Q5. What is the **name of your favorite lake, river, or other water body** where you participate in outdoor recreation?

- | | |
|---|---|
| <input type="checkbox"/> New Melones Lake | <input type="checkbox"/> American River |
| <input type="checkbox"/> Tulloch Lake | <input type="checkbox"/> Sacramento Delta |
| <input type="checkbox"/> Don Pedro Lake | <input type="checkbox"/> Tuolumne River |
| <input type="checkbox"/> Pardee Lake | <input type="checkbox"/> Folsom Lake |
| <input type="checkbox"/> New Hogan Lake | <input type="checkbox"/> Clear Lake |
| <input type="checkbox"/> Camanche Lake | <input type="checkbox"/> Lake Berryessa |
| <input type="checkbox"/> Pine Crest Lake | <input type="checkbox"/> San Francisco Bay |
| <input type="checkbox"/> Stanislaus Rive | <input type="checkbox"/> North Coast (Monterey Bay to Oregon) |
| <input type="checkbox"/> Merced River in Yosemite | <input type="checkbox"/> South Coast (Big Sur to Mexico) |
| <input type="checkbox"/> Lake Tahoe | <input type="checkbox"/> Out of state or out of country |
| <input type="checkbox"/> Lake Shasta | |
| <input type="checkbox"/> Other _____ [specify] | |
| <input type="checkbox"/> DON'T KNOW/ NO RESPONSE [skip to Q6] | |
| <input type="checkbox"/> REFUSED [skip to Q6] | |

NEWMELO The next few questions focus on outdoor recreation at **New Melones Lake.**

Q6. Have you ever visited New Melones Lake?

- Yes [go to **Q7**]
- No [skip to **BARRIERS**]
- DON'T KNOW/ NO RESPONSE [skip to **BARRIERS**]
- REFUSED[skip to **BARRIERS**]

Q7. During a typical visit, approximately how many days and hours do you stay at New Melones Lake?

Hours _____ [specify]

Days _____ [specify]

Q8. To the best of your recollection, which of the following areas have you visited at New Melones Lake in the past 12 months?

| | |
|--|--|
| <input type="checkbox"/> Glory Hole Recreation Area | <input type="checkbox"/> Tuttletown Recreation Area |
| <input type="checkbox"/> Visitor Center | <input type="checkbox"/> Camp Nine |
| <input type="checkbox"/> Natural Bridges | <input type="checkbox"/> Mark Twain |
| <input type="checkbox"/> Peoria Wildlife Area | |
| <input type="checkbox"/> Other [specify] | |

Q9. About how many visits did you make to New Melones Lake during the past 12 months?

- _____ [specify]
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q10. During the past 12 months, which months did you visit New Melones Lake?

- | | | | |
|-----------------------------------|--------------------------------|------------------------------------|-----------------------------------|
| <input type="checkbox"/> January | <input type="checkbox"/> April | <input type="checkbox"/> July | <input type="checkbox"/> October |
| <input type="checkbox"/> February | <input type="checkbox"/> May | <input type="checkbox"/> August | <input type="checkbox"/> November |
| <input type="checkbox"/> March | <input type="checkbox"/> June | <input type="checkbox"/> September | <input type="checkbox"/> December |

Q11. When you participate in outdoor recreation at New Melones Lake, do you typically recreate alone, with friends and/or family, or some type of organized group (sports team, civic group, church, scouts, school, work, etc.)?

- Alone
- Family and/or Friends
- Organized Group
- Other (specify) _____

NMLSERVS Now, I'm going to read you a list of services and facilities at New Melones Lake. I'd like you to tell me how satisfied you were with the quality of services and facilities at New Melones Lake.

Q12. I'd like to begin with the safety of areas and facilities at New Melones Lake? Were you very satisfied, mostly satisfied, an even mix of satisfied and dissatisfied, mostly dissatisfied, or very dissatisfied with the level of safety at New Melones Lake?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q13. How about the frequency of ranger patrols?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q14. Were you very satisfied, mostly satisfied, an even mix of satisfied and dissatisfied, mostly dissatisfied, or very dissatisfied with maintenance of campsites?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q15. How about the size and lay-out of campsites?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q16. How satisfied were you with the maintenance of restrooms?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q17. What about the maintenance of picnic areas?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q18. Were you very satisfied, mostly satisfied, an even mix of satisfied and dissatisfied, mostly dissatisfied, or very dissatisfied with maintenance of trails at New Melones Lake?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q19. What about the length of trails?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q20. What about the quality of marina services such as the fueling docks and slips?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q21. What about the quality of interpretive programs?

- Very satisfied
- Mostly satisfied
- An even mix of satisfied and dissatisfied
- Mostly dissatisfied
- Very dissatisfied
- DON'T KNOW/ NO RESPONSE
- REFUSED

NMLFACLS Now, I'm going to read you a list of facilities and services at New Melones Lake. I'd like you to tell me if the quantity of each facility or service is way too many, too many, just right, too few, or way too few.

Q22. Were there way too many, too many, just right, too few, or way too few campground hosts?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q23. What about the number of restroom facilities at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q24. What about the number of unpaved hiking and biking trails at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q25. What about the number of equestrian trails?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q26. What about the number of tent campsites with showers at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q27. Did you find the number of RV campsites with hookups to be way too many, too many, just right, too few, or way too few?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q28. What about the number of group campsites at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q29. Did you find the number of lake access points at New Melones Lake to be way too many, too many, just right, too few, or way too few?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q30. How about the number of boat launch facilities at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q31. What about the number of docks or temporary moorage?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q32. What about the number of parking spaces at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q33. What about the number of fish cleaning stations at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q34. What about the number of group picnic sites at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q35. What about the number of swimming areas at New Melones Lake?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

Q36. How about the number of education and interpretive programs?

- Way too many
- Too many
- Just right
- Too few
- Way too few
- DON'T KNOW/ NO OPINION
- REFUSED

BARRIERS These next few questions ask about possible barriers to people using outdoor recreation areas and facilities at New Melones Lake. Please tell me if you strongly disagree, disagree, somewhat agree and somewhat disagree, agree, or strongly agree with each statement.

Q37. I don't have the time or I'm too busy for outdoor recreation. Do you....

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree or
- Strongly agree.
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q38. I no longer go out or travel, or don't get around much anymore. Do you.....

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree or
- Strongly agree.
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q39. It takes too long to get to New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q40. Some facilities at New Melones Lake are too expensive.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q41. I prefer to go some other place to recreate than New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q42. My friends and family don't go to New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q43. Some rowdy undesirable people go to New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q44. I prefer a different physical environment than New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q45. New Melones Lake doesn't offer the kinds of recreation that are interesting to me.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q46. I do not feel safe using outdoor recreation areas like New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q47. Some facilities at New Melones Lake are too crowded.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q48. I don't know anything about the facilities or recreation at New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree [Go To **DEMOGRAF**]
- Strongly agree [Go To **DEMOGRAF**]
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q49. Most of the staff at New Melones Lake are unfriendly or unhelpful.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q50. Better enforcement of rules and regulations is needed in the outdoor recreation areas at New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q51. Most facilities at New Melones Lake are poorly maintained or unclean.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q52. More camping or overnight use facilities are needed at New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q53. More day use facilities, such as picnic areas and beaches, are needed at New Melones.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q54. More developed campgrounds with hot showers, electrical, water, and sewer hook-ups are needed at New Melones Lake.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

Q55. More outdoor recreation services at New Melones Lake should be provided by private businesses.

- Strongly disagree
- Disagree
- Somewhat agree and somewhat disagree
- Agree
- Strongly agree
- DON'T KNOW/ NO RESPONSE
- REFUSED

DEMOGRAF These last few questions are for classification purposes only. Your responses will **remain anonymous** and will be combined with the responses of other survey participants for reporting as averages only.

Q56. I'd like to begin by asking about the highest grade level of education you have completed?
Please stop me when I read the category that best describes your highest level of education.

- | | |
|---|--|
| <input type="checkbox"/> Did not graduate high school | <input type="checkbox"/> Bachelor's degree |
| <input type="checkbox"/> High school graduate | <input type="checkbox"/> Master's degree |
| <input type="checkbox"/> Some college but no degree | <input type="checkbox"/> Professional degree |
| <input type="checkbox"/> Associate degree | <input type="checkbox"/> Doctorate degree |

Q57. In what year were you born? _____ [specify]

REFUSED

Q58. What is the ZIP code at your home? _____ [specify]

REFUSED

Q59. Including yourself, how many persons live in your household? _____ [specify]

REFUSED

Q60. How many of those persons are under age 18? _____ [specify]

REFUSED

Q61. Which of the following categories best describes your total annual household income, the total combined incomes for all members of your household before taxes? Please stop me when I read the correct category.

- | | |
|---|---|
| <input type="checkbox"/> Under \$20,000 | <input type="checkbox"/> \$75,000 to \$99,999 |
| <input type="checkbox"/> \$20,000 to \$34,999 | <input type="checkbox"/> \$100,000 to \$149,999 |
| <input type="checkbox"/> \$35,000 to \$49,999 | <input type="checkbox"/> \$150,000 to \$199,999 |
| <input type="checkbox"/> \$50,000 to \$74,999 | <input type="checkbox"/> \$200,000 or more |
| | <input type="checkbox"/> REFUSED |

The next two questions are designed to describe your ethnicity and race.

Q62. **Are you Hispanic or Latino**, that is, a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race?

- Yes
- No
- REFUSED

Q63. Now I am going to read several racial categories. Please say 'no' when I say a category which does not describe you and say 'yes' when I read a racial category with which you closely identify. You can answer 'yes' to more than one category.

| | Yes | No/No Answer |
|---|--------------------------|---|
| American Indian or Alaska Native | <input type="checkbox"/> | <input type="checkbox"/> |
| Asian | <input type="checkbox"/> | <input type="checkbox"/> |
| Black or African American | <input type="checkbox"/> | <input type="checkbox"/> |
| Native Hawaiian or other Pacific Islander | <input type="checkbox"/> | <input type="checkbox"/> |
| White | <input type="checkbox"/> | <input type="checkbox"/> [Go to CONCLUD1] |
| | | <input type="checkbox"/> REFUSED [Go to CONCLUD1] |

CONCLUD1: That concludes our survey.

If you would like further information on recreation or the resource management plan for New Melones Lake I can provide you contact information.

- YES [Go to **CONTAC2**]
- NO [Go to **CONCLUD2**]

CONTAC2: The OMB approval number is 1006-0027 and you can contact the Bureau of Reclamation by phone at (916) 988-1707, via e-mail to evasquez@mp.usbr.gov, or mail your comments to the Bureau of Reclamation, Attn: E. Vasquez, 7794 Folsom Dam Road, Folsom, CA 95630.

CONCLUD2: Thank you very much for your time and cooperation!

END CALL.

INTERVIEWER CODE: Gender of respondent Male Female Unsure

APPENDIX C

Home ZIP Codes and Counties of Survey Respondents

Table C1. Home ZIP codes of on-site survey respondents. (Question 15, Appendix A).

| ZIP Codes | Frequency | Percent |
|------------------|------------------|----------------|
| 72106 | 1 | .4 |
| 89431 | 1 | .4 |
| 89703 | 1 | .4 |
| 90403 | 1 | .4 |
| 91360 | 1 | .4 |
| 92804 | 1 | .4 |
| 92807 | 1 | .4 |
| 93636 | 1 | .4 |
| 93637 | 1 | .4 |
| 93908 | 1 | .4 |
| 94010 | 1 | .4 |
| 94022 | 1 | .4 |
| 94030 | 1 | .4 |
| 94041 | 1 | .4 |
| 94043 | 1 | .4 |
| 94044 | 1 | .4 |
| 94062 | 1 | .4 |
| 94065 | 1 | .4 |
| 94066 | 1 | .4 |
| 94070 | 1 | .4 |
| 94104 | 1 | .4 |
| 94133 | 1 | .4 |
| 94303 | 1 | .4 |
| 94407 | 1 | .4 |
| 94506 | 1 | .4 |
| 94507 | 1 | .4 |
| 94509 | 2 | .8 |
| 94510 | 1 | .4 |
| 94513 | 2 | .8 |
| 94520 | 1 | .4 |
| 94521 | 2 | .8 |
| 94526 | 5 | 2.0 |
| 94528 | 1 | .4 |
| 94534 | 1 | .4 |
| 94538 | 1 | .4 |
| 94541 | 1 | .4 |
| 94546 | 1 | .4 |
| 94550 | 2 | .8 |
| 94551 | 1 | .4 |
| 94553 | 1 | .4 |
| 94556 | 1 | .4 |
| 94558 | 1 | .4 |

| ZIP Codes | Frequency | Percent |
|-----------|-----------|---------|
| 94561 | 1 | .4 |
| 94565 | 1 | .4 |
| 94566 | 3 | 1.2 |
| 94568 | 1 | .4 |
| 94579 | 2 | .8 |
| 94580 | 1 | .4 |
| 94582 | 2 | .8 |
| 94583 | 2 | .8 |
| 94588 | 1 | .4 |
| 94702 | 1 | .4 |
| 94804 | 1 | .4 |
| 94901 | 1 | .4 |
| 94930 | 1 | .4 |
| 94931 | 1 | .4 |
| 94949 | 2 | .8 |
| 95004 | 1 | .4 |
| 95006 | 1 | .4 |
| 95008 | 2 | .8 |
| 95014 | 1 | .4 |
| 95020 | 2 | .8 |
| 95030 | 1 | .4 |
| 95035 | 1 | .4 |
| 95037 | 1 | .4 |
| 95051 | 1 | .4 |
| 95070 | 1 | .4 |
| 95111 | 1 | .4 |
| 95112 | 1 | .4 |
| 95118 | 1 | .4 |
| 95122 | 1 | .4 |
| 95124 | 2 | .8 |
| 95126 | 1 | .4 |
| 95127 | 1 | .4 |
| 95129 | 1 | .4 |
| 95135 | 1 | .4 |
| 95136 | 1 | .4 |
| 95148 | 3 | 1.2 |
| 95203 | 1 | .4 |
| 95206 | 1 | .4 |
| 95209 | 1 | .4 |
| 95212 | 1 | .4 |
| 95221 | 2 | .8 |
| 95222 | 3 | 1.2 |
| 95223 | 4 | 1.6 |

| ZIP Codes | Frequency | Percent |
|-----------|-----------|---------|
| 95224 | 2 | .8 |
| 95227 | 1 | .4 |
| 95228 | 1 | .4 |
| 95230 | 2 | .8 |
| 95240 | 2 | .8 |
| 95246 | 1 | .4 |
| 95247 | 4 | 1.6 |
| 95249 | 2 | .8 |
| 95252 | 1 | .4 |
| 95257 | 1 | .4 |
| 95267 | 1 | .4 |
| 95301 | 1 | .4 |
| 95307 | 4 | 1.6 |
| 95310 | 5 | 2.0 |
| 95320 | 3 | 1.2 |
| 95326 | 1 | .4 |
| 95327 | 7 | 2.8 |
| 95329 | 1 | .4 |
| 95335 | 1 | .4 |
| 95336 | 2 | .8 |
| 95337 | 2 | .8 |
| 95350 | 4 | 1.6 |
| 95351 | 1 | .4 |
| 95355 | 2 | .8 |
| 95356 | 1 | .4 |
| 95357 | 1 | .4 |
| 95358 | 1 | .4 |
| 95361 | 8 | 3.2 |
| 95364 | 1 | .4 |
| 95366 | 2 | .8 |
| 95367 | 2 | .8 |
| 95370 | 28 | 11.2 |
| 95372 | 2 | .8 |
| 95373 | 2 | .8 |
| 95375 | 1 | .4 |
| 95376 | 1 | .4 |
| 95377 | 2 | .8 |
| 95379 | 1 | .4 |
| 95380 | 2 | .8 |
| 95381 | 1 | .4 |
| 95383 | 3 | 1.2 |
| 95386 | 1 | .4 |
| 95482 | 1 | .4 |

| ZIP Codes | Frequency | Percent |
|-----------|-----------|---------|
| 95610 | 1 | .4 |
| 95624 | 3 | 1.2 |
| 95662 | 1 | .4 |
| 95666 | 1 | .4 |
| 95673 | 1 | .4 |
| 95682 | 3 | 1.2 |
| 95687 | 1 | .4 |
| 95692 | 1 | .4 |
| 95758 | 1 | .4 |
| 95762 | 2 | .8 |
| 95765 | 1 | .4 |
| 95814 | 1 | .4 |
| 95818 | 1 | .4 |
| 95823 | 1 | .4 |
| 95829 | 2 | .8 |
| 95833 | 1 | .4 |
| 95835 | 1 | .4 |
| 95901 | 1 | .4 |
| 95969 | 1 | .4 |
| 96002 | 1 | .4 |
| Total | 249 | 100.0 |

Table C2. Home ZIP codes of telephone survey respondents (Question 58, Appendix B).

| ZIP codes | Frequency | Valid Percent |
|-----------|-----------|---------------|
| 85281 | 1 | .2 |
| 85357 | 1 | .2 |
| 93532 | 1 | .2 |
| 93927 | 1 | .2 |
| 94022 | 1 | .2 |
| 94024 | 3 | .6 |
| 94040 | 3 | .6 |
| 94041 | 2 | .4 |
| 94062 | 1 | .2 |
| 94082 | 1 | .2 |
| 94086 | 1 | .2 |
| 94087 | 2 | .4 |
| 94089 | 1 | .2 |
| 94303 | 1 | .2 |
| 94306 | 3 | .6 |
| 94370 | 1 | .2 |
| 94404 | 1 | .2 |
| 94505 | 1 | .2 |
| 94506 | 2 | .4 |
| 94507 | 1 | .2 |

| ZIP codes | Frequency | Valid Percent |
|-----------|-----------|---------------|
| 94509 | 1 | .2 |
| 94513 | 3 | .6 |
| 94517 | 1 | .2 |
| 94519 | 1 | .2 |
| 94520 | 3 | .6 |
| 94521 | 2 | .4 |
| 94523 | 4 | .8 |
| 94526 | 3 | .6 |
| 94531 | 4 | .8 |
| 94549 | 3 | .6 |
| 94553 | 3 | .6 |
| 94556 | 1 | .2 |
| 94561 | 3 | .6 |
| 94563 | 2 | .4 |
| 94564 | 1 | .2 |
| 94565 | 2 | .4 |
| 94566 | 1 | .2 |
| 94583 | 1 | .2 |
| 94595 | 3 | .6 |
| 94596 | 3 | .6 |
| 94597 | 5 | 1.0 |
| 94598 | 2 | .4 |
| 94801 | 1 | .2 |
| 94803 | 3 | .6 |
| 94805 | 1 | .2 |
| 95008 | 1 | .2 |
| 95014 | 3 | .6 |
| 95020 | 3 | .6 |
| 95030 | 2 | .4 |
| 95032 | 1 | .2 |
| 95033 | 1 | .2 |
| 95035 | 1 | .2 |
| 95037 | 4 | .8 |
| 95050 | 4 | .8 |
| 95051 | 2 | .4 |
| 95070 | 1 | .2 |
| 95111 | 2 | .4 |
| 95112 | 1 | .2 |
| 95117 | 1 | .2 |
| 95119 | 1 | .2 |
| 95120 | 4 | .8 |
| 95122 | 1 | .2 |
| 95123 | 1 | .2 |
| 95124 | 2 | .4 |
| 95125 | 2 | .4 |

| ZIP codes | Frequency | Valid Percent |
|-----------|-----------|---------------|
| 95126 | 1 | .2 |
| 95127 | 1 | .2 |
| 95129 | 2 | .4 |
| 95132 | 1 | .2 |
| 95134 | 1 | .2 |
| 95135 | 2 | .4 |
| 95136 | 2 | .4 |
| 95138 | 1 | .2 |
| 95148 | 1 | .2 |
| 95150 | 1 | .2 |
| 95202 | 1 | .2 |
| 95204 | 3 | .6 |
| 95205 | 5 | 1.0 |
| 95206 | 1 | .2 |
| 95207 | 5 | 1.0 |
| 95209 | 3 | .6 |
| 95210 | 6 | 1.2 |
| 95212 | 1 | .2 |
| 95215 | 2 | .4 |
| 95219 | 4 | .8 |
| 95220 | 1 | .2 |
| 95221 | 5 | 1.0 |
| 95222 | 7 | 1.4 |
| 95223 | 9 | 1.8 |
| 95225 | 1 | .2 |
| 95226 | 1 | .2 |
| 95228 | 6 | 1.2 |
| 95233 | 1 | .2 |
| 95237 | 1 | .2 |
| 95240 | 3 | .6 |
| 95242 | 7 | 1.4 |
| 95245 | 4 | .8 |
| 95246 | 4 | .8 |
| 95247 | 5 | 1.0 |
| 95248 | 1 | .2 |
| 95249 | 1 | .2 |
| 95251 | 1 | .2 |
| 95252 | 12 | 2.4 |
| 95255 | 4 | .8 |
| 95257 | 2 | .4 |
| 95270 | 1 | .2 |
| 95304 | 3 | .6 |
| 95307 | 4 | .8 |
| 95309 | 2 | .4 |
| 95310 | 5 | 1.0 |

| ZIP codes | Frequency | Valid Percent |
|-----------|-----------|---------------|
| 95315 | 1 | .2 |
| 95319 | 1 | .2 |
| 95320 | 1 | .2 |
| 95321 | 11 | 2.2 |
| 95324 | 1 | .2 |
| 95326 | 2 | .4 |
| 95327 | 24 | 4.7 |
| 95335 | 2 | .4 |
| 95336 | 6 | 1.2 |
| 95337 | 2 | .4 |
| 95338 | 1 | .2 |
| 95346 | 4 | .8 |
| 95347 | 1 | .2 |
| 95350 | 6 | 1.2 |
| 95351 | 2 | .4 |
| 95354 | 3 | .6 |
| 95355 | 7 | 1.4 |
| 95356 | 5 | 1.0 |
| 95357 | 1 | .2 |
| 95358 | 1 | .2 |
| 95361 | 5 | 1.0 |
| 95363 | 2 | .4 |
| 95364 | 2 | .4 |
| 95366 | 2 | .4 |
| 95367 | 1 | .2 |
| 95368 | 1 | .2 |
| 95370 | 81 | 15.9 |
| 95371 | 1 | .2 |
| 95372 | 7 | 1.4 |
| 95373 | 1 | .2 |
| 95376 | 2 | .4 |
| 95377 | 2 | .4 |
| 95379 | 12 | 2.4 |
| 95380 | 7 | 1.4 |
| 95382 | 10 | 2.0 |
| 95383 | 11 | 2.2 |
| 95386 | 3 | .6 |
| 95411 | 1 | .2 |
| 95414 | 1 | .2 |
| 95425 | 1 | .2 |
| 95463 | 1 | .2 |
| 95519 | 1 | .2 |
| 95642 | 1 | .2 |
| 95721 | 1 | .2 |
| Total | 510 | 100.0 |

Table C3. Counties of on-site survey respondents

| County | Frequency | Valid Percent |
|-----------------|-----------|---------------|
| Alameda | 22 | 5.4 |
| Amador | 1 | 0.2 |
| Butte | 1 | 0.2 |
| Calaveras | 36 | 8.9 |
| Contra Costa | 36 | 8.9 |
| El Dorado | 7 | 1.7 |
| Humboldt | 1 | 0.2 |
| Kings | 2 | 0.5 |
| Los Angeles | 5 | 1.3 |
| Madera | 1 | 0.2 |
| Marin | 5 | 1.3 |
| Mendocino | 1 | 0.2 |
| Merced | 2 | 0.5 |
| Mono | 1 | 0.2 |
| Monterey | 2 | 0.5 |
| Napa | 1 | 0.2 |
| Nevada | 1 | 0.2 |
| Orange | 2 | 0.5 |
| Out of state | 9 | 2.2 |
| Placer | 2 | 0.5 |
| Sacramento | 24 | 5.9 |
| San Benito | 1 | 0.2 |
| San Francisco | 3 | 0.8 |
| San Joaquin | 37 | 9.1 |
| San Luis Obispo | 1 | 0.2 |
| San Mateo | 12 | 3.0 |
| Santa Clara | 47 | 11.6 |
| Santa Cruz | 9 | 2.2 |
| Shasta | 1 | 0.2 |
| Solano | 3 | 0.8 |
| Sonoma | 3 | 0.8 |
| Stanislaus | 41 | 10.1 |
| Sutter | 1 | 0.2 |
| Thurston | 1 | 0.2 |
| Tuolumne | 82 | 20.2 |
| Ventura | 1 | 0.2 |
| Yuba | 2 | 0.5 |
| Total | 407 | 100.0 |

APPENDIX D

New Melones Lake On-Site Survey Open Ended Responses

Question 5, “Other” Activities

- Annual frog jump
- Barefoot waterskiing
- Boat toys and grandkids
- Tubing
- Wine tasting

Question 8, “Other” Barriers

- Bad fishing
- Boaters that don't follow the rules. Not enough patrols to control problems.
- Campground too dusty
- Clear poison oak from trail to natural bridges
- Come here to fish only and camp
- Do not have a clear idea where to hunt and firearm laws on the lake or around it.
- Everything is ok good, boat ramps.
- Everything is okay
- Everything we want to do we can
- Facilities not provided
- Gas costs too high
- Gate closure makes it difficult to get from bay area during Friday evening traffic.
- Have not rented a boat yet
- Haven't thought about it
- Hook-ups in campgrounds
- I am 87 years old and troll fishing is my only interest.
- I am satisfied generally with New Melones.
- I don't like paying for showers
- I need shade for picnicking on the shore at Glory Hole.
- I visit the lake for fishing only
- Just retired
- Lack of tree cover
- Lack of tree cover
- locked gates
- Low water level, no beach, sand, grass, or trees.
- More shade trees and sandy beaches
- Nearby water facility for trails
- Need more boat slips available for 1 day rentals. Bureau must allow marina to install more slips.
- Need to make more time available
- Needs more trees for less heat
- NML doesn't have enough camp sites that you can have your boat with.
- No barriers
- No barriers
- No good sandy beaches
- No sites on water to leave boat in.
- None
- None
- None of the above. Fishing is excellent.
- Not enough bathrooms
- Not enough day-use areas

- Not enough shore camping or shady sites. Can't hang out at campsite during the day because heat and lack of trees.
- Not interested
- Occasional thefts, much less in this past year
- Pitbulls off their leash
- Renting boats cost a lot
- Showers at campsites
- The shoreline too slushy for swimming.
- There are few swimming areas that are free of boating
- There are no barriers for what we like to do.
- There is no patrol to control wakeboarders/skiers. They have no respect for boats fishing.
- They should lower the rental on the boats for low income people.
- Too far away
- Too lazy
- Too much sun, no trees. Level places for handicap persons.
- Wakeboarders in the summer
- We do what we like already
- We would come camping 4-6 weekends per year if hookups were available. Also, food service somewhere like the marina would be nice.
- Where is the water?
- White water no longer there

Comments by on-site respondents

- Access to more beaches
- Additional funds should be provided to both the Tuolumne and Calaveras sheriffs dept. for increased boat patrol by law enforcement. The number of boats/personal watercraft have increased substantially during the past 5-6 years. More law enforcement is needed to assure the safe and sober operation of watercraft.
- All facilities are good. Needs more fish in the lake.
- As a boat fisherman this facility appears to be very well managed. The fish cleaning stations are fantastic, keep them available. I appreciate and support the maintenance of restrooms, cleaning stations, and padded boat docks at Tuttle Town boat launch area. The cleanliness and quality motivate me to drive the 2 hours, when combined with the lack of rude jet skiers or speed boaters in comparison to lakes nearer the Bay area or Sacramento urbanity. I have not noticed security problems but support ranger patrols as needed and would place highest priority on this if I was aware of problems.
- Basically I like NML just like it is.
- Because it gets so hot need more trees. Would be nice when the water is low to get an easier way to the water.
- Bigger fish
- Boat ramps are very crowded. Would be interested in homesites on the water with docks.
- Boat-in or floating campsites would be great, and are way overdue. Lake access is extremely limited for elderly or disabled. Debris in water in early spring is extremely hazardous and not removed by anybody, just allowed to float around in marina area, etc...
- Break water protection for the docks needs to be a priority. There is way too much damage of the private houseboats caused by an insufficient break water. Need an improved method for accessing the gate after the eleven o'clock locking.
- Campsite had lots of trash and very dusty.
- Casino
- Clean/wide boat launches are an attraction for me. I strictly come to NML for boating and sometimes camping use.

- Cute survey takers
- Definitely a swimming area would be awesome. More overnight hookups for ski boats. Floating campsites would be the best.
- Docks are way too slippery! I fell and hurt myself bad.
- Don't let so much water out during the summer months
- Don't really come out here that much, too busy working.
- Everything about NML was fine except that someone stole a bunch of our jetski equipment.
- Fish cleaning stations at Glory Hole launch ramp is needed
- Fix cleats
- Floating campsites would be awesome. Have gone to Lake Oronville the last 2 summers and stayed at their floating sites. Very fun and affordable compared to a houseboat.
- Good lake. I had fun. Thank you.
- Great lake, friendly rangers and nice facilities. On water restrooms would be nice.
- Great people
- Great place
- Great place!
- Great place, don't put hookups here it would ruin the rusticness of the place.
- Great place. Rangers could be friendlier
- Have not seen any law enforcement at dock during any trips.
- I am not aware of any available hunting areas, hiking trails or any OHV access at Melones. During the winter months I would use the above mentioned trails and areas if I was aware of their existence.
- I am very satisfied with NML. I consider myself lucky to live near and use it.
- I been coming here for 27 years I don't like to have to reserve my campsite and I don't like having to pay for showers.
- I believe that for boat launching purposes only at Tuttletown out of Tuolumne county residents should pay a fee of \$20 to launch. County residents should be free.
- I believe the low water ramps should be improved. I also believe an entirely new resort facility should be built under public/private partnership. The resort should include a hotel, restaurant, conference facility, boat launch, RV park and marina. Traffic to and from new Melones should not impact Senora. A boat launch should be constructed near Jamestown. A wakeboard rail/cable park should be built to reduce air pollution from boats.
- I did this b/c the girls were cute!
- I enjoy fishing at New Melones. My only complaint is there are too many small spotted bass. You need to make some limit that will thin the spotted bass population and plant large mouth bass. Lately the population of large mouth bass has been falling! Also create more floating restrooms so overnights can utilize the facilities.
- I had a great time!
- I had a great time. Will come back again
- I have always enjoyed my stay at NML whether its for 3 weeks or 1 day. I found the staff to be helpful and friendly. Mostly tournament fishing and houseboats. I'll be returning many more times even though it's a 3 hour drive. Good luck.
- I have enjoyed using NML for over 15 years and love it. Really would like to see the following, RV hookups and lakeshore camping. All others great. Keep up the good work.
- I have only been boating at NML and we camped across the street at the fair grounds. Unfortunately the water was really low but better than Don Pedro. I hope to enjoy more of what the lake has to offer.
- I like it. Needs more water, fish, and trees.
- I like New Melones the way it is. Any more changes is stupid.
- I love boating and the lake and free launching for our boat.
- I love NML. Keep it free.

- I love this lake. An improvement that needs to be done ASAP is to replace the docks at the launch ramps. They are way too high for bassboats and there is too much exposed metal. The one at Don Pedro (plastic) are perfect. I won't even go there by myself to launch because the boat gets scratched.
- I love this lake. Been jetskiing here as long as I have been able to. I think all it needs is
- I love this place.
- I love the fact I can fish or launch a boat without paying
- I realize there is a drought this year but the lake was very low. We have newly discovered New Melones this year. We hope to do more boating and camping there in the future.
- I think a day use dock near a sandy beach/camp grounds would really improve NML. Right now we have to eat on the boat and there is no place to drop off passengers who want a break from the boat.
- I think aside from the marina a food shack or store would be very convenient for day use as well as camping
- I think it would be better if parking is closer to the water. Some times it's too hot of a walk by the time you get to your car you wish you were wet again. Just a thought.
- I think NML would do well to try to host more water sport activities such as waterskiing, wakeboarding, and boat racing. Are family is very happy with all facilities. Thank you.
- I think the lake and the general area are safe for my kids and the old people that visit here with us from time to time. Thank you.
- I think they should plant more fish in Melones and provide more campfire spaces
- I was very impressed with the bathrooms. Very clean. Even soap. Rangers came by to do checks often. I will recommend new Melones.
- I would like a rotating, no wake fishing only zone. I would also like to see more designated public hunting areas.
- I would like to see New Melones left as is. My last experience was that I felt the camp ranger was a pain. We go to relax and get away and the ranger was telling us when to go to bed, how to drive, etc. Too many rules. I am an adult and have common sense. let me relax and camp and boat without a hassle by the park ranger. Leave New Melones like it is, we don't need more of our boating/camping rights taken away.
- If there is a way to provide shaded areas, that would be great. Other than that, we love New Melones.
- Improve low lake level boat launches and parking areas. Designate one dock as no parking or tying up to expedite launching/loading. Designate one area of the lake for wakeboarding only, with appropriate rules of use. Contract with lodging concessionaire. Construct boat launch, campground, and marina near shell road.
- Install fish cleaning station at Glory Hole ramp. Keep entry fee free.
- Irritating generator ran all day.
- It really is a very nice lake. We love it. Good fishing and swimming.
- It would be great if you had daily rentals ie: horses, kayaking, repelling ropes etc...canoes, jet skis, and or day trips with gold panning etc... you could also hold tournament waterskiing to increase revenue and fun!
- it would be nice to see no skiing or jet skis above the parrots ferry bridge
- It's a beautiful lake that our family enjoys.
- It's a great lake for boating skiing and fishing. We have been coming to NML for 25 plus years and really enjoy it. You folks have done a great job with the lake.
- I've been coming to NML for 25 years and continue to love it.
- I've been skiing New Melones since mid 80's and love it.

- I've grown up utilizing this area. From times pre-dating the new dam and flooding of the camp 9 area-parrots ferry. Certainly the use of the rec area has increased but that is not necessarily a good thing. I've always enjoyed New Melones for its undeveloped areas and plentiful wildlife. The longer we can keep Melones wild the better. Why should we purposely develop it any more than it is already? In fact I would prefer some sort of system be put in place regarding all watercraft including houseboats and jetskis (30-50 boats per day reservation system). Outlaw personal watercraft, and no music. I'm sick of the loud music coming from boats at all hours.
- Jet skiers should respect no wake zones. No swimming on boat ramps.
- Just need to find more information about the hunting areas at NML
- Keep boat launches free.
- Keep boat launching free.
- Keep day use for boaters free.
- Keep restrooms clean, pad boat launches
- Keep skiers and tow tubes from speeding through areas with fishing boats.
- Keep up the good work that includes the nice people doing the surveys.
- Keep water levels up.
- Less bass tournaments
- Like to have a proper family swimming area near Columbia or Angels life guard or even a call box with beach
- Love New Melones
- Make boat ramps wider. And add more docks at Tuttle town.
- Marina and dock areas are in poor shape
- Mark boating obstructions weekly. As level changes, lots of new dangers each week.
- More garbage containers near boat launches would benefit boaters coming off water. Recycle bins more are needed
- More group camps for 10-20 people with parking space for boats and small RV's. Boat trailer parking (launch ramps) to close together/or not laid out correct. Backing into camp sites with larger boats and trailers difficult. More water in campgrounds better path to # 74 (Oak Knoll area) down steep hill-drive thru. Not all campsites have enough flat ground for tents. fish cleaning wonderful/needs more boat parking or turn around in Oak Knoll area. Needs path to #74. Very good launch ramps!
- More group campsites. Better parking at campsite with trailers
- More parking in campsites. We always camp at Ironhorse and there is no room for overflow parking in the area. We don't want to park our boat where we can't keep an eye on it.
- More showers even if cost for shower group.
- More supervision needed of jet skiers and skiing etiquette
- More water
- Most satisfied with lake free launch fee
- My family and friends enjoy NML. The addition of floating campsites would be great.
- My family and I greatly enjoy boating, camping and swimming here. We have been coming here for 20+ years. Thank you.
- My favorite fishing place in Cal. I live 1 hour away but don't mind the drive. The fishing is good but could be better with more bass. I don't know what you can do about that but working with Fish and Game or raising your own would be helpful. The rainbow and kokanee populations are great. Thanks for a great place to get away and go fishing. I enjoy it every chance I get.
- Need more camping sites, more swimming areas for kids. If this lake is federal why do enrolled members of federally recognized tribes have to pay for camping. As long as we make reservations like everyone else.
- need more campsite for shore camping. More shaded sites. NM camping requires us to take everyone out on the boat all day b/c it is too hot during the summer to stay at the campsite. If the site were closer to the water you could go in the water to cool off. more shaded sites are a must.
- Need more day use and swim areas as well as more personnel to work in the marina.
- need more garbage cans at the beginning of the boat launch

- Need more play areas in the water and parks in shade for children. Kayaking and paddle boat rentals in more areas of the lake. A little store.
- Need more rangers patrolling the area.
- Need more showers and clean the trails
- Need sandy beaches.
- Need to start charging admission and cut down on skiers during summer time. Stiffer regulation on jet skies and more 5 mile/hour zones or no jet ski zones. Possible jet ski ban. Better water management. Limits to how much the water drops.
- Need volunteer clean up of shore debris and at launches. Need protection from poison oak in high water line years at shore. Maps that show where Osprey, Eagles, and wildlife can be viewed. Catch and release for very large fish especially during spawning season. Thanks for doing this.
- Nice facility
- Nice facility, good fishing!
- Nice place and the launch fees are the perfect price also. Thanks
- Nicely maintained, easy access, beautiful setting
- NML is a great lake.
- NML is a very nice facility. I would like to see a location for full hookup and to see more cleaning stations; the free launching ramp is a big plus!
- NML is an outstanding facility. Its well maintained, efficiently laid out, and a very nice environment. It is one of my favorite lakes and I would not recommend any significant changes. I'd certainly recommend it to others as much better than other lakes in the area.
- NML is great. The allure and beauty of NML is that it hasn't been commercialized/overdeveloped/crowded like other lake recreational facilities. My strong recommendation would be do not add to the already existing facilities/infrastructure but spend available funds upgrading/maintaining what already exists.
- NML is the best lake around for boating and fishing. Please don't turn it into another Tulloch. We have a cabin in Twain Harte and go often to NML. It would be nice to leave my boat there for a week at a time as long as it is safe and protected. There are a lot of undesirable people there and rip-offs happen frequently. I think the lake needs a full-time sherriff/ranger with an office to report issues that come up. I would love to see full-time patrol on the water also with random checks for drinking. There are too many close calls. I never go on the weekends anymore. Too crowded, too many idiots out there. During the week, NML is awesome. thanks.
- On holidays you need a ranger on the launch. When the water goes down the parking is tough. We have a cabin in Blue Lake Springs. We live in 94010.
- Open boat launch where the two bridges
- Open dump station
- Our only concern was that the lake area where you launch the boats and seadoos did not have good picnic areas near the actual lake. Plus bathrooms are too far away. Other than that it is very nice since we come there every September for Labor Day weekend.
- Plant more shade trees. More campsites with shore access and mooring. Keep the water more consistent.
- Please add water.
- Please fill the lake and keep it full don't let out too enough water to lake "J"ullock.
- Please more horseback riding trails. Preferably with access to the lake. Pave Tuttle town launch parking area.
- Please provide more shore fishing sites and more places to access the lake on foot
- Please we need picnic tables with shade at Glory Hole Point.
- Pleasure boaters misuse docks too long to launch and loitering on docks
- Really love it just the way things are with just a few minor changes. Thanks.
- Relatively clean. Some people leave trash.
- Restaurants or snack bars would be useful.
- Restroom and shower not working at Ironhorse #70.

- RV sites with 50 amp for air conditioning usage way too hot at NML to not have AC. More slips to rent for in-waterboat storage over night. Over all, we love NML best of all water activity lakes within a 100 mile radius.
- Should be someone directing traffic at launch area all day.
- Showers at campsites need to be kept cleaner.
- Shuttle to at least Glory Hole from New Melones campgrounds
- Stop mining of spillway. Let rangers do their job, under funded, under staffed. Stop fighting amongst groups. Faster response time from sheriff when rangers call them.
- Survey taker has lots of patience to put up with us.
- Swimming was horrible. Shoreline was mucky, no beach areas.
- Thank you camp hosts and park rangers at NML from 8/7-8/10/2007
- Thank you, this is a great lake.
- Thanks had a great day.
- The biggest issue I see on a regular basis is about drivers going the wrong direction. Too much alcohol consumption and lack of patrol.
- The extreme lack of tree cover is a serious drawback. With more tree cover Melones could easily become a vacation destination for travellers from coast to coast.
- The floating restrooms are a great idea but to be effective there should be more and must be kept clean. The marina needs more docks.
- The foothill lakes are already crowded enough with conflict to my personal interests. I enjoy fishing and having a public hunting area. I really get upset when some punk kid with an ice chest full of beer and a stereo blaring x-rated rap music decides they need to wakeboard/ski in the same area I am fishing in. No manners. The further development of the lake in my opinion would create less public hunting opportunities with more (non-hunting people) being around. I understand our state has a lot of people and you have to try and please everyone, but let them go somewhere else.
- The lake (obviously) needs more water. Too bad its 8 hours from L.A. Wish the campground had grass instead of just dirt.
- The lake is so low at this time I feel the islands should be made aware of as we almost damaged our boat.
- The manzinite campground is the only one close to the water. There is plenty of shore line to set up camps on. Please take me serious that is the biggest complaint. Also people don't use docks correctly. Please better and more boat campsites.
- The Marina needs to give more and better service to the houseboaters. The dump fees have risen way too much. They consider us a nuisance and told us that the rentals have precedence over the privates. They up all the charges and cut back on services. They make it very difficult to fuel or dump the houseboat.
- The new aluminum launch docks are dangerously hot during summer sunshine. I would prefer wood planking covers or carpeting.
- The patrols should spend more time guarding parked cars at night and take care of real complaints from campers at campsites. They seem to nitpick on the small issues while real problems exist.
- The speed bumps at the Tuttle town gate are too severe for boat trailers. Half the height would do the same purpose with less damage to boats. Security people need to give out tickets as some folks know they can't give tickets and take advantage of the situation. Open a boat ramp off parrots ferry road and parking area.
- There is a lot of broken glass at the docks and along the shoreline. Also, every time we come people hang out at the dock area as a hangout kayak, swim, change jet ski drivers place rendering most of the dock area unusable for actually launching boats. This is the only lake that I have come to with this problem and it is pretty consistent.
- There is no consistency on the rules.
- These survey people are friendly and fun. Thanks Leia.
- they need to bring down the prices for people who are low income for the boats and camp sites
- This is a beautiful lake, more showers would be nice.

- This is our first visit. So far so good.
- This lake is unique in how economical it is to have a great time at the lake. We enjoy the free day use and boat launch. Please keep fees reasonable in order to keep local families enjoying this great area.
- This lake very much needs bands added to shores to prevent swim sites and easier access to those points, this would be greatly appreciated by both tourists and locals camping. This would increase camping visits.
- This place already seems to have a lot to offer most campers. This was our first time here but would return even if no improvements were made.
- This recreation area was clean and comfortable. The low water level was a drawback but we had an enjoyable weekend. The only suggestion I can think of would be an increase in the number of floating toilets on the lake. Thank you for providing an excellent environment for good cleaning family recreation.
- This was our first trip to NML and we were very happy with the lake and campground facilities. The host and rangers were friendly and helpful and we appreciated law enforcement patrolling and handling situations that could have gotten out of control.
- Too dry, no shade, no good place to swim. Not good for disabled person. Campgrounds are too far away from water.
- Very surprised at how clean the Floating Restrooms S.S. relief were.
- Visiting from San Francisco for just a few days therefore unable to answer many questions.
- Water level is so low it scared me. My son almost fell down that steep cliff. Someone should of told us to pick a different site. It was a very nerve racking trip because our site was overlooking the water and was dangerous.
- Wave break at Tutletown launch area. Better facilities (docks and services) and better prices at marina. Better signage for Slalom course to help the safety of the skiers.
- We are solely boating/watersport users of Melones so our answers are more geared towards this. We feel you can maintain the number of boat launches for a longer duration if signs were posted with rules such as no tying up, start your engines before launching to prevent dead batteries clogging up ramps, etc...a boaters checklist so to speak. Peninsulas, islands and trees need to be buoyed as best you can. but we have never hit anything submerged at Melones.
- We camp at the Frogtown campground. We also have a cabin in Avery. We would camp at Melones if they had larger flat sites with hookups for RV's. The no ski area on the way to the river is not needed. That is some of the best water for skiing.
- We enjoy Melones all summer long.
- We enjoyed our time and experience at New Melones reservoir. We will definitely return.
- We had a wonderful day today! Happy 4th
- We have a second house in Arnold and have not explored this area much. Our perception is that it is primarily for motor boaters and it is hot down here.
- We have fished here for 10 years. Why do we let so much water go down river in the spring and early summer? The fishing is not as good as earlier years.
- We have fished here for over 30 years in 4 different boats, but we live too close to camp. Too old to hike or ride horses.
- We like NML just as it is. No improvements are needed.
- We love New Melones. Can you please add a floating bar?
- We love the lake. I hope it doesn't get too crowded. I wish it would stay fuller with accessible shorelines.
- We love the reservoir to go boating on! We would like to see beaches around the reservoir to bring friends and families along land. We can't all fit on the boat at one time.
- We loved our day at the lake. It is the best in a 3 hour drive from us.
- We need access to the lake from the Columbia area so it isn't so far up to the river areas of the lake.
- We visit friends who own a houseboat a couple of weekends each summer. We love the fact that NML is not crowded. We like that it is not real developed. We want it to stay remote and relatively unknown. However, we might come more often if there were rustic shoreline cabins.

- We visited natural bridges and loved it! It would be very helpful if there was some sort of "map" showing the trail at the top. Also something up top before you take the hike down that explains what is "natural bridges" it is a little creepy to arrive there and just start the hike down to the unknown. anyway, a map and something describing natural bridges up top would be wonderful. maybe more parking also.
- We would come at least 4-6 weekends per year if there were more campsites with hookups within 5 miles of a Marina with boat slips available for 2-7 days with reservations.
- When I called the girl didn't tell me I should make a reservation. She said there was room at the campground to come on over. This was Friday 10am. I called later at 3pm to confirm said come on over there is room. Didn't say she needed a reservation.
- When the water goes down they block off way too many entrances for swimming and fishing with young kids hiking down big rocks to step. There's other access roads they could unblock but they don't. seems like the swimmers always get the shaft.
- Wireless internet access at the marina would be very useful. A mobile sewage pumpout boat would ease congestion at the marina.
- wish the trails were less hazardous but the location we visit (natural bridges) is beautiful
- With low lake level would like to see efforts to remove old trees and tree tops to reduce under surface hazards. As opposed to closing off areas such as the upper end of the lake from water skiing.
- With the limited number of personal I believe the staff at NML do an exceptional job. Thank you.
- Would definitely consider providing another access point to the lake. Possibly on the north side of town so as not to have to trailer a boat through the downtown area. Thanks.
- would like to see Bear Creek access opened again, reopen shell rd to allow hunting access
- Would like to see full hookups so we could use Iron Horse campground year round.
- Your survey people were very nice