



**IDAHO DEPARTMENT OF FISH AND GAME
OPINIONS AND PREFERENCES OF IDAHO ANGLERS –
RESULTS OF THE 2022 ANGLER OPINION SURVEY**

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ABSTRACT

Understanding angler opinions and preferences is important to managing Idaho's fisheries resources and to developing the State's Fisheries Management Plan. In 2022, the Idaho Department of Fish and Game collected angler opinion and preference data from 3,600 anglers, using a mixed-mode survey (both online and paper) with an overall 23% response rate. The survey response was composed of 72% males and 28% females. The modal age for paper survey recipients was 39, while the modal age of respondents was 71. Anglers age-55 and older made up only 36% of the randomized paper survey recipients yet accounted for 59% of the surveys returned. Survey responses were weighted by age and administrative region to reduce bias and better reflect the known population of Idaho anglers.

Trout remain the most preferred fish in Idaho, followed by bass and "anything that bites". The majority of Idaho anglers (52.9%) have fished for twenty or more years, but often classify themselves as casual or moderate rather than committed anglers. Anglers tend to find fishing an important and enjoyable recreational activity, but it is not a major part of their identity or something they organize their life around. Instead, the major motivations for fishing are to spend time outdoors or relax rather than to catch large numbers or trophy-size fish. Anglers prioritize improving fish habitat, maintaining fishing access sites, and managing for native trout fisheries as important fisheries management practices, over activities such as providing classes how to fish. While anglers generally believe the Department is fair in their dealings with anglers and competent at fisheries management, anglers do not see their personal impact on policy decisions as equal to other influences and believe the Department would not be forthcoming if it were managing fisheries improperly. Anglers overwhelmingly prefer fishing-related information to be communicated via email and the Department website rather than in-person or online meetings.

As angler age demographics change and survey participation declines, the Department may have to reevaluate how this survey is administered and explore alternative opportunities for feedback, such as focus groups. Future surveys should continue using a combination of paper and email survey techniques and weight results to more closely match the target population.

INTRODUCTION

Understanding angler preferences is important for the proper management and conservation of Idaho's fish and aquatic resources. Public feedback is one of a few primary sources of information that shapes the priorities of the State's Fisheries Management Plan, which is the guiding policy document for fisheries activities and management directions. Idaho had approximately 316,000 resident fishing license holders in 2022. Obtaining public input solely via in-person meetings can skew opinion to reflect the most specialized and strident anglers, while average or majority opinions are rarely voiced and may go unrecorded. The Idaho Department of Fish and Game (Department) attempts to overcome these limitations by conducting randomized surveys designed to describe the entire angling population statewide. Additionally, surveys are stratified to also describe angler preferences among the seven administrative regions. The objectives of the Angler Opinion Survey (AOS) are to: (1) provide the Department with angler opinion and preference data to assist in establishing or modifying fisheries management objectives and programs, and (2) document angler satisfaction opinions, preferences and expectations over time.

The Department has conducted statewide angler opinion surveys every 5-10 years since 1967. Previous surveys were conducted in 1967, 1977, 1987, 1994, 1999, 2006, 2011, and 2017. Survey questions aim to identify preferences for fish species and fishing methods, as well as questions on angler satisfaction with various Department fisheries programs. The size and structure of the survey has changed over time to focus on more contemporary issues, but the format of several questions remains unchanged so that responses allow for the assessment of trends in angler opinions and preference. Some surveys included more specific questions on issues such as crowding and preferred communication methods for receiving fishing-related information. These surveys, in conjunction with other public processes, provide a broad basis for developing fisheries programs to better meet public expectations.

Distribution of the 2022 AOS incorporated both online and paper survey methods to maximize angler participation. The 2017 AOS was the first to include an online survey option administered by email invitation to increase angler sample size while simultaneously evaluating the potential of supplementing or replacing costly paper surveys. The email survey provided significant advantages including lower cost, more efficient data management, and increased data quality, though the response rate was lower than the paper survey (Koenig 2020). In 2022, the survey utilized a mixed-mode design that incorporated multiple contact and response options using post cards, email, and paper survey invitations. Email invitations followed by a paper reminder sequence achieve high response rates and low aggregate nonresponse bias while remaining cost effective (Sakshaug et al. 2019).

In 2022, surveys underwent additional data processing to ensure that results are representative of the Idaho angling community. It is likely that some avidity and age biases affect survey response rates. Survey sampling methods can also increase the influence of IDFG regions that represent a lower proportion of the angling population unless those factors are considered during analysis. We attempted to address non-response bias with additional surveying and utilize weighting methods to account for regional and age biases. Weighting adjusts the survey sample distribution so the proportions more closely match the target population (e.g., Mercer et al. 2018), making the survey responses more characteristic of statewide opinions as a whole. These results are statistically robust and are the least biased means for determining public opinion of Department management and policy decisions.

METHODS

Sampling

Target Population and Sample Frame

The 2022 Angler Opinion Survey (AOS) sample frame used the Department's license sales database of Idaho license holders to select survey participants from the target population. The sample frame (i.e. "target population") was defined as Idaho residents 18 years and older that may have held a fishing-related license during the past five years (2018 – 2022; N = 480,257). This included all license types with a fishing privilege, including daily, annual, and 3-year versions. We excluded non-residents and "junior" license-type holders. Many anglers purchased licenses multiple times over this period. We chose to include only unique individuals, the most recent license purchased in our sample frame, as it would reflect the most current purchase and angling preferences.

Sample Design

The survey was implemented using a stratified random sampling design with weighted responses. The design was intended to achieve a statistically robust sample at the statewide scale as well as the IDFG region scale. To account for regional differences across the state of Idaho, a stratified sample design was used to divide the sample frame into separate groups, or strata. These strata were based on the seven Department administrative regions. For each stratum, the AOS used a simple random sample (SRS) procedure to select survey recipients based on their address in the license sales database. An SRS is a probability-based procedure that eliminates bias by ensuring each sampling unit from the sample frame has an equal chance of being selected (i.e., invited) to participate in the survey.

Results from the 2017 Angler Opinion Survey suggested 3-year license holders were underrepresented (Koenig 2020). In the 2022 AOS, 300 additional 3-year license holders were randomly selected from each region to ensure an adequate sample size was collected to make statistically valid inferences. This statewide total of 2,100 3-year license holders supplemented the initial stratified sample and ensured that this license group was adequately represented in the AOS.

Estimating Target Sample Size

Target sample size estimates were calculated to ensure a minimum number of responses to generate a statistically valid sample size from each region to make both regional and statewide inferences about the target populations. Sample size estimates also indicate the number of survey invitations required to reach a statistically valid sample size based on expected nonresponse. The parameters of a sample size estimate include target population size (N), margin of error (E = 0.05), normal distribution at 95% confidence level (Z = 1.96), population proportion (p = 0.5), and expected response rate (RR = 0.2). Based on these parameters, the estimated sample size required per region was at least 384 anglers (Dillman et al. 2014).

Target sample sizes were estimated using the annual licensed angler population size from the 2017 AOS (N = 330,050). The procedure to develop the 2018-2022 sample frame from the license database was not yet complete and differences in population sizes over 100,000 on sample size estimates was nominal (Dillman et al. 2014). The total licensed angler population size in 2022 was 316,152 compared to 330,050 in 2017, indicating that our sample size was

adequate. The number of required survey invitations to reach statewide and regionally valid samples sizes was estimated to be 15,400, which included oversampling for 3-year licenses and an expected response rate of 20% (Table 1). Response rate was estimated based on declines from 2017.

Data Collection

Survey Questionnaire

The objective of the 2022 AOS was to collect statistically valid, empirical information from Idaho anglers regarding their experiences, satisfaction, opinions, and preferences. To meet this objective, a survey questionnaire was designed to focus on a selection of core topics and questions. In total, 7 sections, 34 questions, and 160 items were developed (Appendix B). The first step to develop the 2022 AOS was to review previous AOS surveys. Next, core fishery management-relevant questions and items from previous surveys were selected to allow for longitudinal comparisons. Despite inclinations to “revise” or “improve” questions, that process was limited to allow comparison with previous surveys. Finally, additional questions relevant to the 2025-2030 Fisheries Management Plan were designed via consultation with state and regional Fisheries Managers. The draft survey instrument was reviewed, pre-tested, and revised in an iterative process prior to implementation.

Survey Implementation

The 2022 AOS utilized a mixed-mode survey design with multiple contact and response mode options. Contact mode coupled survey invitations to all mailing addresses available via the sample frame and an email invitation to participants when available (Appendix C). Participants were contacted with a combination of postcards, email, and survey letters (if needed). Response mode coupled options to participate using a unique PIN number via an online web-based questionnaire hosted on Qualtrics or a paper mail-back questionnaire with prepaid return postage.

Survey distribution began on 17 Oct 2022 with a pre-notice postcard followed by the formal survey invitation letter on 24 Oct 2022. These distributions were followed by postcard invitation with a quick-response (QR) code and a survey uniform resource locator (URL), and later by email augmentation reminders 10-14 days apart. All respondents to the survey were removed prior to sending additional contact to reduce duplicative effort. Finally, a printed mail-back questionnaire was sent on 7 Dec 2022 to participants who had not yet responded using the previous contact methods. The complete survey distribution sequence of five contact points is presented in Table 2.

Data Processing

Data Quality

Prior to data analysis, we implemented data quality assurance and quality control (QC/QA) procedures (Osborne 2013). In general, these standard procedures encompass removing low quality data affected by nonresponse and measurement error (Weisberg 2009). We began the data cleaning processes with the stepwise removal of cases that did not record a response for Q1, Q2, Q3, and Q4 (n = 177; Table 3). Next, respondents that did not complete Q12-Q34 were removed (n = 520). The designation of Q12 as the cut-off point for a partial completion was based on the priority to collect data on angler satisfaction. Cases were also tested for obviously biased and invalid responses (e.g., “straight-lining”, entering >365 days per year), but known surveys

exhibiting multiple instances of straight-lining had already been removed from the survey pool due to partial completion or nonresponse cleaning processes and no additional examples were found (n = 0).

Margin of Sampling Error

Margin of sampling error (MOSE) is a statistical measure of difference between survey results (the sample) and the target population. The MOSE is an indicator of survey quality and how accurately results can be generalized to the target population. Low MOSE (less than $\pm 5\%$) is a general indicator of rigor and confidence. MOSE is affected by sample size, population size, and confidence level. Based on those factors, an acceptable margin of sampling error by most survey research standards is between or lower than $\pm 4\text{-}8\%$ at a 95% confidence level. For example, a $\pm 3\%$ MOSE at a 95% confidence level means that if the AOS were administered 100 times, we can expect the results to be within 3% of the true value 95 of those times.

The 2022 AOS margin of sampling error was calculated as $\pm 1.6\%$ at a 95% confidence level and $\pm 2.1\%$ at a 99% confidence level, indicating results are more precise than typical minimum standards.

Nonresponse

Nonresponse error refers to potential differences between individuals who participate in the survey effort by providing questionnaire responses and those who do not provide responses, which could lead to biased results. The effective response rate was calculated as the fully completed questionnaires (n = 3,600) divided by eligible respondents (n = 15,400) following standard definitions by the American Association for Public Opinion Research (AAPOR). The 23% effective response rate of the 2022 AOS implies that 77% of Idaho resident anglers who were randomly selected did not respond to any survey invitation or reminder. To test for nonresponse error, an additional survey effort with an abridged questionnaire was sent to 1,000 randomly selected individuals who did not respond to the initial five survey contacts (Appendix D).

Weighting and ranking results

The objective of a survey is to produce statistically valid estimates from a sample that reflect the distribution of those estimates in a defined population with knowable precision (i.e., the margin of sampling error). Because the sample and population are not equivalent, it is often necessary to correct imbalances between the survey sample and the population through a statistical process called weighting. The objective of the weighting process is to develop sample weights that can be used in analyses to generate results that accurately describe the target population (in contrast, unweighted results only describe the sample). For example, results from the 2017 AOS recommended weighting survey responses by age to account for age-related response bias created by older anglers responding at a higher rate.

The 2022 AOS used an iterative proportional fitting procedure, also called raking, to weight survey responses to better represent the known population distribution of Idaho anglers (Battaglia et al. 2009; Mercer et al. 2018). We used this common statistical procedure to correct for imbalances in the proportions of survey responses by age group and regional populations across the state (Table 4). More details on the specific rake-weighting procedure used in the 2022 AOS analysis can be found in Appendix E. All reported statistics, percentages, and rankings have been rake-weighted to best represent the angler population unless otherwise noted. Percentages will

not always add to 100% due to raking and rounding errors but are well within the acceptable margins of error.

Results of some survey responses have been ranked by angler preference. In cases where anglers were asked to report their top three choices we ranked each choice by weighting the count in each response category [(First choice x 3)+(Second choice x 2) + (Third choice x 1)]. In survey questions regarding angler opinions on satisfaction (very dissatisfied to very satisfied) or importance (not at all important to extremely important), topics were ranked by the mean response followed by the distribution of scores. Means are calculated excluding no opinion or blank responses unless otherwise noted.

RESULTS AND DISCUSSION

The following results and discussion summarize statewide opinions. Regional results are presented in Appendices F-L.

Survey Response Rates

The 2022 survey resulted in 3,600 fully completed questionnaires. In terms of response pathways, 26% of respondents participated via the paper mail-back option, 51% of respondents used a URL hyperlink to complete the questionnaire online, and 23% of respondents used the QR code printed on all postcards and the invitation letter to complete the questionnaire online. Email and QR code survey options provide significant advantages to the traditional paper, most notably the lower costs and more efficient data management.

The effective survey response rate for the 2022 survey was 23%. The response rate has been steadily decreasing over time (Figure 1) despite the introduction of different surveying methods, such as mixed-mode survey design. This corresponds with the ongoing declining response rate seen in natural resource focused mail surveys (Connely et al. 2003). The 2022 AOS margin of sampling error was calculated as $\pm 1.6\%$ at a 95% confidence level and $\pm 2.1\%$ at a 99% confidence level, indicating that the results are well within an acceptable margin of error and can be generalized to the target population of resident Idaho anglers despite lower response rates. Nonresponse testing also shows that the differences between anglers who choose to respond and those who did not are minimal. Based on the 121 nonresponse questionnaires received from the 1,000 randomly selected individuals who did not respond to the initial 5 survey efforts, no crucial nor practical nonresponse bias error was observed. In an effort to minimize survey fatigue, nonresponse bias testing should not be administered with every AOS, though it should be checked on a rotating basis.

License Types

The distribution of licensed anglers across the state largely reflects population densities and have not changed significantly since the 2017 AOS. The vast majority of anglers live in the Southwest Region (43.9%), while the Panhandle (15.3%), Magic Valley (10.4%), Upper Snake (12.2%), and Southeast (9.5%) have similarly lower numbers of anglers. The Clearwater (7.4%) and Salmon regions (1.3%) have the fewest anglers living there.

The 2022 AOS only considers responses from resident anglers over the age of 18. Therefore, non-resident and junior license types were not included when developing the sample frame. While the sample frame included all license holders from 2018-2022, the majority of survey

respondents purchased licenses in 2022 (69.6%), indicating most anglers had held multiple licenses over this 5-year period and had renewed in 2022. The next most common license years were 2021 (16.1%), and 2020 (13.2%), indicating these anglers lapsed for 1 and 2 years, respectively. The most common license types held by Idaho residents are Combination (24.3%), Annual Fishing (21.3%), and Senior Combination (15.5%). This is similar to the 2017 AOS paper survey results. Resident Sportsman Package licenses comprise 12.6% of total licenses and continue to make up a significant proportion of survey responses (Figure 2). Three-year licenses make up 24.8% of all license types.

Gender and Age

The global sample frame of resident Idaho anglers for this survey included a 5-year snapshot of all unique anglers, which was 69% males and 31% females. However, that percentage is likely to change in any single year, based on changes in individual participation between years (i.e. churn rates) and the proportion of 3-year license holders. This ratio is slightly different than the 2017 survey, which had a sample frame of 72% males and 28% females. This likely reflected the increased female participation in 2020 during the “COVID bump” of license sales. The list of randomly selected survey recipients was 67% male and 33% female. The composition of the 2022 survey respondents was 72% males and 28% females, suggested female anglers returned the survey at slightly lower rates, but similar to the 2017 survey. The male to female response ratios in the 2017 (73% male, 27% female), 2006 (78% male, 22% female), 1987 (71.2% male, 28.8% female), and 1968 (80% male, 20% female) angler opinion surveys have changed only slightly over time. Similar distributions suggest that the survey is not biased by gender, though monitoring should continue to determine if it may be necessary to weight opinion surveys by gender in the future.

Survey results suggest that anglers older than age-55 are much more likely to respond to the survey. For example, the number of surveys returned by Senior Combo license holders was almost three times higher than their proportion of the population (Figure 3). Similarly, most anglers age-55+ returned the survey in higher numbers than expected based on their proportion of the population (Figure 3). The unweighted mean age of respondents is 56 (median 59), while the mean age of the sampling frame was 46 (median 44). The most common (mode) age of the target population is 39, while the mode age of survey respondents is 71. This continues the generational trend of “Baby Boomer” anglers having a disproportionately high response rate as seen in prior Department Angler Opinion Surveys. Responses in the following sections are weighted to correct for this age bias to more closely match the target population proportions seen in Figure 3.

Angler Commitment

Survey Question #1 asked anglers how long they have been fishing in Idaho. Over half of Idaho anglers have fished for twenty or more years (52.9%). The next highest category is new anglers that have fished 1-5 years (17.7%). Anglers that have fished 6-10 years (9.5%), 11-15 years (9.0%), and 16-20 years (11.0%) had similar numbers of responses. Avid anglers appeared more likely to respond to the survey. Anglers holding combination, sportsman’s package and senior combination license types disproportionately made up a higher percentage of respondents than their frequency in the general population of licensed anglers (Figure 2).

Despite the large number of experienced anglers in Idaho, their level of commitment is varied. We asked anglers to rate how they would classify themselves as an angler on a scale from 1 (casual) to 10 (committed). The mean response is 4.8, but there is wide range in the types of responses (Figure 4). The highest proportion of responses are from casual anglers (1, 18.9%)

followed by moderate interest (5, 14.1%). Anglers that rated themselves committed (9 and 10) are among the lowest responses (3.3% and 7.0%, respectively).

Species Preference and Fishing Habits

Trout remain the most preferred fish in Idaho, followed by bass and “Anything that Bites” (Table 5). Anglers wrote in their first, second and third most favorite species from a provided list in Question #3. Trout were by far the most favored species statewide and received over half of the responses for first choice (52.6%) and the second number of responses for second choice (20.7%). Bass ranked second highest in first choice (17.7%) and highest in second choice (21.2%). “Anything that bites” was the highest response for third choice (32.0%). No other species gained preferences over 12%, suggesting trout and bass are the highest target species among anglers, and there is a significant number of generalist anglers that have little to no preference for specific fish species. The rankings for the first 9 species remain unchanged from the 2017 AOS. White sturgeon and carp/sucker/nongame fish have moved up in rankings, though overall interest remains below 3%, suggesting that this is not indicative of an overall change in angler preferences. Some species are preferred at a regional level, such as Steelhead in the Clearwater and Salmon regions and kokanee in the Panhandle. Fish preferences have not changed dramatically over time, with trout and bass being ranked highly in every survey since 1987 (Table 7). Rainbow and Cutthroat trout ranked highly in earlier surveys with options for specific trout and bass species. Steelhead are also in the top 5 rankings, and more recently panfish (Bluegill/Perch/Crappie) have ranked highly since 2011.

We asked anglers to write in their three favorite water bodies to fish in Idaho (Question #4). The Snake River is the top response, taking the top ranking in first (20.4%), second (18.9%), and third choice (17.4%) categories (Table 7). All other water bodies comprise less than 10% of responses. It is worth noting that several of the top rankings are in the Southwest region which contains 43.9% of anglers, and opinions tend to be regionally skewed. Water body preferences vary widely by region and are examined in more detail in Appendices F-L.

Anglers tend to spend more days fishing on rivers and streams than other types of water bodies, and they are more popular overall. Survey Question #5 asked anglers to estimate how many days they spent on different types of water bodies. Over 80% of anglers reported spending at least some amount of time on lakes or reservoirs (82%), or rivers or streams (83%). Close to a third of anglers reported spending time at community fishing ponds (36%) or backcountry alpine lakes (31%). The average number of days spent on rivers or streams is 18.3, followed by lakes or reservoirs (15.8 days), and local (community) fishing ponds (12.0 days). Anglers spent an average of 5.1 days on backcountry alpine lakes. However, there is a wide distribution in the number of days that anglers reported (Figure 5) with standard deviations greater than 20 days. Alpine lakes are the least frequented type of water body.

Anglers utilize a variety of watercraft for fishing in Idaho. Table 8 shows the responses to Question #6, which asked what type of watercraft anglers own for the purposes of fishing. Results are reported as percent of cases, which represents the total proportion of respondents that answered positively to that specific watercraft. Anglers could choose more than one type of watercraft, so reporting the results solely as a percentage would skew outcomes lower. Unweighted responses indicate 58.6% of respondents own at least one type of watercraft for the purposes of fishing. Motorboats are the most popular type of fishing vessel that are owned by close to half of anglers with watercraft (50.3%), followed by float tubes (35.0%), and drift boats (28.6%).

There are no distinct trends in the number of days that anglers spend fishing from different types of watercraft, though fishing from a shore, bank, or dock/pier is the most popular and ice fishing is least popular (Figure 6). Most anglers (82%) reported fishing from a shore, bank, or dock/pier for some amount of time, while only 22% reported ice fishing. Spending time fishing from boats received moderate response rates, whether they were motorized (44%) or non-motorized (39%). The mean number of days anglers spend fishing from shore is 22.0. Fishing from motorized boats (17.7 days) and non-motorized boats (15.5 days) are also popular. Fishing from the ice is the least common, with anglers averaging only 6.7 days a year. Once again, there was a wide range of responses to this question, with significant proportions of more avid anglers fishing more than 30 days in some categories.

The 2022 AOS also asked anglers to select which fishing gear and methods they prefer. Question #8 asked them to rank gear/methods from 1 (most used) to 4 (least used). Lure or spin (artificial) and fly methods are very highly ranked and achieved near equal preference (Table 9) followed by bait fishing. Archery or spearfishing is the least common method and had a very high proportion (85%) of fourth ranking responses. A 2017 AOS question about gear type also showed that lures, bait, and flies are more popular than archery, which is not often used. There was no clear statewide preference between the more popular methods.

A majority of anglers prefer to fish with family and friends. Survey Question #9 asked anglers how they prefer to fish during a typical fishing trip in Idaho. The largest portion (59.5%) of respondents preferred fishing with family, followed by fishing with friends (23.9%). Only 12.2% reported a preference for fishing alone, and 0.8% would prefer to fish with a guide or outfitter.

Fisheries Management

The 2022 angler opinion survey included questions on the relative importance of specific Department programs and how effective the Department is at managing those programs. Question #10 asked anglers to rate the relative importance of Department management activities on a scale from “not at all important” (1) to “extremely important” (5). Question #11 asked anglers to rate the performance, or “how good of a job” the Department is doing in relation to the same management activities on a scale from “poor” (1) to “excellent” (5). We ranked the activities by mean-importance in Figure 7.

In general, the importance of Department management activities has not changed significantly over time, and results are similar to the 2017 AOS. Improving fish habitat and maintaining fishing access sites are ranked #1 and #2, which is the same as the 2017 AOS highest ranked priorities. Managing trout fisheries is also ranked very highly (#3 in 2022 and 2017). These management activities also rank in the top three across all regions in the 2022 AOS. It is important to note at a statewide level that all management activities except one have an average rating of 3.0 or greater and a majority of anglers rated each activity somewhat to extremely important. The only outlier is providing classes on how to fish, which has remained the lowest ranked management activity for importance and has a mean value of 2.3, indicating it is only slightly important to anglers.

Anglers view the Department’s performance on a majority of management activities as fair to good, with no outliers. Figure 7 shows the mean-performance on the same management activities that have been ranked in importance. These means range from 2.7-3.1, indicating that anglers view overall department performance as fair (2) to good (3). There is a much smaller range in the responses when compared with importance, which most likely is a result of improper surveying where respondents simply chose a “middle of the road” option for this question. The

median response seems to indicate that anglers are neither pleased nor displeased with current management practices, deeming them adequate. The lowest approval was for teaching classes how to fish (2.7), though its overall importance is also ranked lowest. Therefore, improvement in classes should be a lower priority when compared with other management practices with higher discrepancies, such as improving fish habitat. More information can be learned from angler responses if they are forced to have non-neutral opinion, so these survey options should be changed in the next AOS.

Anglers are generally satisfied with their fishing experience in Idaho. When asked about different aspects of their fishing experience including the types and size of fish they catch, angler access, and habitat quality, anglers generally responded with positive satisfaction indicated by a mean response of 4.0 or greater (Figure 8). Some of the highest levels of satisfaction include their overall fishing experience and the types of fish they catch. Anglers are also pleased with the level of current regulations and license fee costs. Anglers are less pleased with aspects of their fishing experience that involve crowding or other people. The number of non-anglers on the water (3.8) and watercraft (3.7) are the only topics that rank below general angler satisfaction. Other low-ranked topics include access to ocean-run salmon and steelhead fisheries and traffic at boating access sites, which have traditionally been more crowded. These activities are explored in more detail in the following section on crowding.

Crowding

Idaho has experienced a large increase in outdoor recreation due to population growth and the COVID-19 pandemic, leading to the Department receiving larger numbers of complaints relating to crowding. To address some of these issues, the 2022 AOS contained several questions on crowding in Idaho including angler perceptions during a typical fishing trip, their changes in behavior due to crowding, and examining support for different management strategies to reduce crowding. Responses to these questions will provide guidance to the Department for managing various fisheries resources across the state.

On a statewide level, anglers report slight to moderate levels of crowding during a typical fishing trip. Survey Question #13 asked how anglers would rate the level of crowding they experience on a typical fishing trip in Idaho from not crowded (1) to extremely crowded (9). The average response was 5.1, indicating that most anglers experience a moderate level of crowding. Answers generally centered around slight (3-4, 24%) to moderate (5-7, 50%) levels of crowding. The edge cases from anglers that reported little to no crowding (1-2, 13%), or extreme crowding (8-9, 14%) also indicate that most anglers experience moderate levels during a typical fishing trip. These results differ slightly at a regional level, with larger proportions of anglers reporting less crowding in the Salmon (Appendix L) and Clearwater (Appendix G) regions, while the Southwest (Appendix H) and Upper Snake (Appendix K) regions show higher responses of extreme crowding.

The type of fishing trip and site services can also factor into angler crowding experience. Survey questions #14 and #15 asked anglers to rate the levels of crowding on different locations from not crowded (1) to extremely crowded (9). Lakes and reservoirs (mean = 5.6) and local (community) fishing ponds (mean = 5.8) are considered moderately crowded fishing trips (Figure 9). These trips received the highest number of moderate to high crowding responses. Trout streams/rivers are slightly less crowded (mean = 4.7), and crowding at backcountry alpine lakes was ranked much lower (mean = 2.5), though they also received a high proportion of N/A responses (27%). The proportion of excessive crowding responses for ocean-run salmon and steelhead rivers is high, with 16% of responders recording an extreme level of 9 and a mean

response of 6.1, but it also has the largest number of N/A responses at 35%. These results indicate that while participation in ocean-run salmon and steelhead fishing is low overall, anglers that target these species experience more intense crowding (Figure 9).

We asked anglers to rate the level of crowding during different locations on their fishing trip. Figure 10 indicates that anglers generally view fishing/boat access amenities as moderately crowded and chose a median score to reflect neither positive nor negative opinions on crowding. Levels of crowding at specific locations during a typical fishing trip (crowding at different fishing locations) indicates that certain amenities, such as campgrounds and parking lots, are viewed as more crowded than the act of fishing itself. Campgrounds had the highest level of crowding overall (mean = 6.2), although no distinction was made for campsites managed by the Department versus other state and federal entities. Parking lots (mean = 5.4) and boat ramp/launches (mean = 5.7) also had moderate to high levels of crowding. Fishing from a shoreline (mean = 5.1) or boat (mean = 4.6) had moderate levels of crowding. Roads to or from fishing access sites (mean = 4.5) also received mostly low to no crowding responses (Figure 10).

Most anglers (66.5%) indicated they modified their fishing behavior in some at least some way as a result of crowding, while 33.5% of anglers reported no change in behavior. From survey Question #16, a 26.6% reported fishing on different days, fishing earlier or later in the day (15.6%) or on a different water body (15.4%). Some anglers indicated they have stopped fishing (7.6%) or would fish for a different species (1.3%).

Survey Question #17 asked anglers what contributes most to the crowding they experience during a typical fishing trip. The most common responses were non-anglers in motorized boats (30.1%), and anglers on the shore or wading (29.4%). Other anglers in motorized boats (14.8%) and non-anglers in non-motorized vessels, such as kayaks or canoes (14.2%), received a similar number of responses. Guides and outfitters (6.6%) and other anglers in non-motorized vessels (4.9%) were perceived contributing the least to crowding on a fishing trip.

Anglers display strong preferences for some specific management strategies to address crowding while opposing others (Table 10). From Question #18, 66% of anglers support or strongly support requiring a fishing license to use Department access sites, and 59% support limiting Department access sites to license holders only. Conversely, 68% of anglers oppose or strongly oppose using a lottery draw with limited fish permits on high-use waters, and 69% oppose requiring a daily fishing fee on high-use waterbodies. From Question #19, over two thirds of anglers (67.6%), prefer that the Department invest in a higher number of fishing and boating access sites with primitive facilities over a lower number of sites with modern amenities (32.4%). Results suggest that while anglers perceive crowding to be a problem, they do not support restrictions on angling to address it. Instead they prefer more (presumably free) access sites, and that access site restrictions focus on non-anglers.

Angler Motivation

While anglers tend to find fishing an important and enjoyable recreational activity, the majority of do not see it as major part of their identity or something to organize their life around. Survey Question #20 asked anglers about their motivations for fishing by indicating their level of agreement with directed statements. Results are shown in Figure 11. Anglers agreed with declarations like “Fishing is one of the most enjoyable things I do” (84%) and “Fishing is very important to me” (83%). There was a wider dispersion of responses on statements like “Most of my friends are in some way connected with fishing,” and “Participating in fishing says a lot about who I am,” though anglers tended to agree or slightly agree with that statement. There appears

to be at least some smaller segment of very avid anglers, as 23% of respondents slightly agree with “Fishing occupies a central role in my life,” though 51% disagree to some level. The majority of anglers (59%) also disagree with the statement “Much of my life is organized around fishing.”

The primary motivation to fish for many Idaho anglers is to spend time outdoors. Question #21 asked anglers to rate the importance of some common reasons for fishing. Ranked results are shown in Figure 12. An overwhelming number of anglers (91%) responded that enjoying nature and being outdoors was very to extremely important. This sentiment is also reflected in Question #22, where 80.1% of anglers are motivated to fish by “being outdoors, enjoying nature, or relaxation” rather than “catching a lot of fish, catching trophy fish, or the challenge of fishing” (19.9%). There is less consistency with how anglers like to fish, with “to get away from people” and “to be with my friends” ranked at third and fourth respectively, though “to be part of a group” was less of a priority. Developing skills also ranked highly and is more important than testing equipment. Anglers have a preference for catching wild, big, and native fish over hatchery fish or catching as many fish as possible. In terms of harvest, anglers prefer to catch fresh fish for a meal rather than stocking the freezer for off-season, though both reasons are only somewhat to not at all important to anglers.

Tournaments

Although a strong majority of anglers in Idaho do not participate in fishing tournaments, many of those that gave an opinion agree that tournaments are appropriate for certain types of fisheries. From Question #24, only 5.9% of anglers have participated in a fishing tournament in Idaho in the past 5 years that offered a prize based on the number or size of fish caught. However, results from Question #23 show that 54% agree to some extent that fishing tournaments are appropriate in Idaho, and 24% have no opinion (Figure 13). There is a strong preference for bass tournaments (Figure 14), with 58% of anglers agreeing to some extent for bass in lakes/reservoirs and 49% for bass in rivers (49%). Bass in lakes and reservoirs also has an average response of 4.3, indicating that the majority of responses show a general level of agreement that these tournaments are appropriate. Anglers agree to some degree that trophy fishing in large lakes (49%), tournaments in hatchery-supported trout waters (48%), and kokanee tournaments in large lakes (44%) are appropriate, though a significant proportion of anglers show a level of disagreement with kokanee tournaments (28%). Anglers are evenly split between catch-and-release tournaments in trout waters and quality trout waters being appropriate, with approximately equal proportions agreeing and disagreeing to some extent. Most anglers disagree that tournaments for steelhead or Chinook salmon on large rivers using boats and tournaments on backcountry trout waters are appropriate.

Angler-Agency Relationship

Anglers overwhelmingly favor receiving fishing-related information through the Department website and email rather than other communication methods. The Department continues to ask anglers how information should be disseminated to monitor changes in communication preferences over time and maintain high angler engagement. Question #26 asked anglers how they prefer to receive various types of fishing information such as news, rules, and opinion surveys (Table 11). The Department website and email were ranked #1 and #2 for all information types. This is a change from the 2017 survey which showed more variety in top-ranked choices and could partially be due to ages 55+ being overrepresented in those survey results. However, ranking the unweighted 2022 AOS responses also showed the website and email were still the #1 and #2 preferred communication response for all types of information except for rules, where license vendor locations ranked #2. In-person and online public meetings

are consistently ranked the lowest angler choice for communication. This could therefore reflect a change in angler preference over time, and more focus should be made on direct communications through email exchanges with the public and making information on the Department website easily accessible.

The Department is viewed as fair in its dealings with anglers, though anglers do not see their personal impact on policy decisions as equal to other influences. Anglers were asked to rank their level of agreement with statements about the department in Question #27 (Figure 15). The average response for all statements except one received a mean response rate at 4.0 or above, indicating that anglers generally agree to some level with those statements, and the majority of responses for all statements were “slightly agree” or “agree.” The Department is viewed as fair in their dealings with anglers and the methods they use to make decisions. Anglers also agree the Department has their best interests in mind and that they can speak freely to decision makers. However, the statement “As an angler, my opinion influences a decision maker similar to the influence of others” received an average response of 3.9 and was ranked 6th in the level of angler agreement, so this statement is not as strongly received. There was also a strong agreement with the statement “IDFG decision makers act in the interest in some groups over others.” This could suggest a potential breakdown in communications between the Department and anglers where anglers do not see the direct outcomes from their feedback and instead perceive that other interest groups have more influence. The Department should explore opportunities to make policy decision processes more transparent to anglers and highlight the impact of public feedback, such as the AOS and its importance to the Fisheries Management Plan.

While anglers believe the Department has the means and knowledge to manage Idaho fisheries and listens to angler concerns, there is less confidence in how it communicates information to anglers. Question #28 dealt with fisheries management and angler concerns by asking their level of agreement with certain statements (Figure 16). Once again, the majority of angler responses were “slightly agree” or “agree” and the mean response was above 4.0, indicating agreement with all statements except one. Idaho fisheries are viewed very positively: the Department has the appropriate knowledge to manage fisheries, is generally competent, thinks it is important to do the right thing for fisheries, and has integrity in its management. Anglers also agree the Department cares about their concerns and is conscious of the effects its decisions have on anglers. The statement that received the most disagreement was that the Department “would be honest with anglers if it managed fisheries poorly,” which received a mean response of 3.8. Once again, this could indicate that there is a lack of effective communication with the public, and more work needs to be done to publicize work being done within the Department whether the outcomes are positive or negative.

Angler Demographics

The 2022 AOS asked anglers additional questions about their background and education to gain a better understanding of survey demographics and identify underserved fishing communities. This section received a high number of non-responses, which could indicate concerns with confidentiality, sensitivity to the question topic, or survey fatigue. It is also possible these results reflect some level of social desirability bias, where survey participants will exaggerate their annual income or level of education to seem more successful, and should be examined critically (Edwards 1957).

Most anglers identify as white (88.6%, Figure 17). Hispanic people comprise 4.8% of the survey, while Indigenous (Native American or Alaskan native) (0.8%), Black or African American (0.4%), Native Hawaiian or other Pacific Islander (0.4%), and Asian (0.3%) ethnicities are less

than a percent of the survey. Some anglers identified as Other (2.6%) or “Don’t know” (2.1%). This broadly aligns with 2022 US Census Bureau data for Idaho (U.S. Census Bureau 2022), although Hispanic or Latino populations may be underrepresented as they are currently 13.5% of the state population (U.S. Census Bureau 2022).

Anglers report having high levels of education. Only 3.1% have less than a high school education (Figure 17), 33.7% have a high school diploma, 10.4% have completed a vocational or trade school, 40.4% have a degree from a 2 or 4 year college, and 12% have a graduate or professional degree. While not a direct comparison, 91.4% of persons 25 years or older have a high school graduate degree or higher in Idaho between 2018-2022, and 30.2% have a bachelor’s degree or higher (U.S. Census Bureau 2022). This suggests that anglers are as educated if not more educated than the average Idahoan.

Figure 17 shows the majority of anglers (62.8%) are employed full-time and a significant proportion are retired (24.5%). Part-time employees only make up 6.1% of the angling population, followed by the unemployed (4.8%), and temporary employees (1.5%). There is a wide distribution in the reported income of anglers (Figure 18), though large proportions have average incomes of \$20,000-49,999 (22.8%), \$50,000-99,999 (22.7%), and \$100,000-149,999 (17.4%). The median household income in 2022 is \$70,214 (U.S. Census Bureau 2022), which suggests that survey respondents are either wealthier than the average respondent or there is some social desirability bias in this response.

Youth Fishing

Survey Question #33 asked anglers how many children that live in their residence under the age of 14 participate in fishing (Figure 19). Results have not been weighted by region or age due to the low response rate, which could be due to question fatigue from the survey length. Most anglers (78.5%) do not have any children in their household that participate in fishing. Anglers with 1-2 children that fish comprise 16.6% of results, and 3-4 children only 4.5%.

Anglers were also asked if they have taken someone who has not fished in a few years or new anglers fishing in the past 12 months in Question #34. Due to email and QR collection errors only mail-in responses are reported as they had the option to select more than one category. Results have not been weighted by region or age due to the low response rate (47.4%). Of the anglers that responded, 58.4% have taken a new angler under the age of 14 fishing, 32.7% have taken a new angler over the age of 14, and 60.7% have taken someone who has not fished in a few years. If youth fishing is a management priority, future surveys should have more focused questions and restructure the response categories to better capture this concept.

CONCLUSIONS

Fisheries management is often described as the art and science of managing the interaction of fish, habitat, and people. Understanding the opinions and preferences of anglers has arguably received less attention than the first two components, both in Idaho and throughout North America, but nonetheless is a critically important facet of successful fisheries management programs. Recognizing this importance, the Department has now periodically gauged angler opinion and preferences for nearly six decades and has recently become more focused on conducting more scientifically and technologically advanced social surveys. Summaries of opinion and preference information will continue to be provided to and incorporated by decision makers,

especially the Idaho Fish and Game Commission as it sets policy and directs the Department. Survey information is also used in planning documents, prioritization decisions, and considered by staff during their day-to-day activities.

The Department has not asked the exact same questions over time due to changing objectives, making trends somewhat difficult to assess; however, general perceptions may still be garnered. There are several apparent trends in AOS data over time. The foremost trend is that angler opinions and preferences have been remarkably stable in several important categories. In the seven surveys conducted since and including the 1987 survey, trout have been the most preferred target species followed by bass. Priorities for fisheries management have also not changed drastically over time: protecting and improving fish habitat, maintaining existing fishing access sites, and managing for native trout fisheries have been ranked the most important Department activities in both the 2022 and 2017 AOS. Despite overall low participation in tournaments, anglers generally approve of bass tournaments in lakes and reservoirs but are less supportive of Steelhead or Chinook Salmon tournaments on large rivers using boats or tournaments in backcountry trout waters.

While there are many avid anglers in Idaho, the majority do not consider fishing to be a defining part of their identity or something they organize their life around. "Anything that bites" has ranked highly as a preferred species in recent surveys, suggesting that most Idaho anglers are generalists that do not target specific species. This also corresponds to a majority of survey responders describing themselves casual to moderate anglers despite having fished for twenty or more years. The primary motivation to fish for many Idaho anglers is to spend time outdoors, rather than the number or size of fish that they catch.

While survey results point to overall stability in angler opinion and preferences, there have been some notable changes in a few categories. Anglers' preferred means of receiving information from the Department have changed over time, with communication by email or through the Department's website ranking higher than in-person or online meetings. In the past the Department has focused effort on in-person and, more recently, online meetings. The same amount of effort should be placed on email and website communications to reach the majority of anglers, rather than catering to more avid anglers in-person. There should also be more effort to communicate both positive and negative management outcomes and the impact of angler feedback, as anglers do not often see the direct outcomes from public comments and surveys. More transparency in Department decision making processes could also alleviate some concerns that angler opinion isn't valued equally with other interest groups.

Crowding has become an emerging concern amongst Idaho anglers and received special attention during this survey period. Anglers experience the highest amount of crowding at ocean run salmon and steelhead rivers and local (community) fishing ponds, and the least in backcountry alpine lakes. Bottleneck locations such as parking lots, boat launches, and campsites are also considered to be more crowded than the act of fishing from a boat or along shoreline. Regarding potential management strategies to manage crowding, most anglers support or strongly support limiting access to Department sites by requiring a fishing or other license. However, the majority of anglers oppose methods such as lottery draws or a daily fishing fee to limit crowding on high-use waters.

The Department should also consider if summarizing angler opinions at administrative region levels adds substantial value to survey results. Gathering a statistically significant number of responses in lower population regions, such as the Salmon Region, can lead to a large proportion of the population receiving surveys and ultimately lead to survey fatigue. Additionally,

regional survey responses do not vary meaningfully from statewide responses aside from region-specific questions such as favorite water bodies. Regional management priorities and angler opinions broadly match statewide trends. Combining administrative regions into larger geographic survey areas may be more efficient, and would decrease the cost of survey administration by reducing the total number of surveys needed to achieve a statistically significant response while still obtaining information on trends within a given geographic zone.

Survey response rates in Idaho continue to decline, which is consistent with national trends. Survey turnouts would have been weak due to poor sample size if the Department limited survey distribution to solely paper formats, which would have also increased costs. Fortunately, the inclusion and expansion of web- and email-based survey techniques and implementation of a mixed-mode survey design has improved participation substantially to provide statistically significant results. However, if participation continues to decline in future surveys, the Department may need to consider alternative means for understanding angler opinion and preferences, such as focus groups. The trend of “baby boomer” anglers responding more frequently has continued, though age weighting was used to limit any potential bias. It’s likely that this trend will not continue in the next survey as anglers from this generation become less active in fishing.

MANAGEMENT RECOMMENDATIONS

Survey recommendations

1. Continue mixed mode surveys, focusing on email and online formats to increase survey response and align with angler preferences seen in Question #26.
2. Weighting survey responses by age and region is more representative of Idaho anglers in general and gives confidence in statewide results, however there are not significant differences between weighted and unweighted results in the 2022 AOS. The Department should continue to monitor factors where the survey response and known sample frame population distributions differ, such as age, gender, and race, and consider weighting results if there is a significant discrepancy in future surveys. If there are few or no discrepancies, weighting may be unnecessary.
3. The Department should consider combining regional results into larger areas to avoid unnecessarily large sampling of smaller administrative regions that don't significantly differ from statewide results. If regional results are important for management decisions, report unweighted regional results in future appendices to avoid significantly downweighting less populated regions such as Salmon.
4. Reevaluate how we survey importance-performance statistics for management activities to force non-neutral responses, making sure values range from 1-6 instead of 1-5.
5. Nonresponse survey results show that there is no nonresponse bias in AOS results. To minimize survey fatigue, nonresponse bias testing should not be administered with every AOS, though it should be checked on a rotating basis.
6. Increase efforts to survey underrepresented angling communities, such as Hispanic and lower income populations. Perhaps focus concentrated outreach and survey efforts at community ponds, which show a discrepancy in reported and actual use.

Fisheries recommendations

1. There should also be more effort to communicate both positive and negative management outcomes and the impact of angler feedback, as anglers do not often see the direct outcomes from public comments and surveys.
2. Management strategies to mitigate crowding should focus on limiting use of Department access sites to license holders rather than utilizing daily fishing fees or lottery draws.
3. Focus communication and outreach efforts in email and website announcements to more closely align with angler preferences. While it is important to provide opportunities to distribute information at in-person and online meetings, an equal and increasing amount of effort should be placed to communicate the same information online.
4. Management priorities should continue to focus on improving fish habitat, maintaining existing fishing access sites, and managing for native trout fisheries to align with angler preferences. Less effort should be placed on providing classes how to fish.

5. Fishing tournaments should be focused on bass in lakes and reservoirs or rivers, and lower preference should be given to backcountry or salmon and steelhead tournaments which are viewed as less appropriate.
6. Dedicate license funds specifically for resident (non-anadromous) fish habitat improvement/restoration projects to align Department spending more closely with angler preferences.

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LITERATURE CITED

- Battaglia, M. P., D. Izrael, D. C. Hoaglin, and M. R. Frankel. 2009. Practical considerations in raking survey data. *Survey Practice* 2(5). DOI: 10.29115/SP-2009-0019
- Connelly, N. A, T. L. Brown, and D. J. Decker. 2003. Factors Affecting Response Rates to Natural Resource - Focused Mail Surveys: Empirical Evidence of Declining Rates Over Time. *Society & Natural Resources*, 16:6.
- Dillman, D. A., J. D. Smyth and L. M. Christian. 2014. *Internet, Phone, Mail, and Mixed-Mode Surveys: The Tailored Design Method*, 4th Edition. John Wiley & Sons Inc.
- Edwards, A. L. 1957. *The social desirability variable in personality assessment and research*. Dryden Press, New York.
- Koenig, M. 2020. Opinions and preferences of Idaho anglers-results of the 2017 angler opinion survey. Idaho Department of Fish and Game, Report 20-109, Boise.
- Mercer, A., A. Lau, and C. Kennedy. 2018. How different weighting methods work. Pew Research Center Methods. Available: <https://www.pewresearch.org/methods/2018/01/26/how-different-weighting-methods-work/> (February 2024).
- Osborne, J. W. 2013. *Best practices in data cleaning: A complete guide to everything you need to do before and after collecting your data*. Sage Publications, Thousand Oaks, California. DOI:10.4135/9781452269948
- Sakshaug, J. W., B. Vicari and M. P. Couper. 2019. Paper, e-mail, or both? Effects of contact mode on participation in a web survey of establishments. *Social Science Computer Review*, 37(6):750-765. DOI: 10.1177/0894439318805160.
- U.S. Census Bureau. 2022. U.S. Census Bureau Quickfacts: Idaho (V2022). Available: <https://www.census.gov/quickfacts/fact/table/ID/PST045222>. (February 2024).
- Weisberg, H. F. (2009). *The total survey error approach: A guide to the new science of survey research*. University of Chicago Press, Chicago, Illinois.

TABLES

Table 1. The 2017 population size (N) of licensed anglers by Department region, target sample size and estimated number of survey invitations needed to achieve it based on an assumed response rate of 20%.

Strata	N	Valid sample	Invitations required
Region 1: Panhandle	50,990	381	1,906
Region 2: Clearwater	25,694	378	1,892
Region 3: Southwest	137,168	383	1,915
Region 4: Magic Valley	40,074	380	1,902
Region 5: Southeast	33,823	380	1,899
Region 6: Upper Snake	37,889	380	1,901
Region 7: Salmon	4,412	353	1,767
Statewide Total	330,050	2,635	13,182

Table 2. Distribution sequence and associated dates for 2022 Angler Opinion Survey contact points.

Distribution sequence	Date
Survey start date	17 Oct 2022
First contact (pre-notice postcard)	17 Oct 2022
Second contact (invitation letter)	24 Oct 2022
Email augmentation contact	27 Oct 2022
Third contact (postcard reminder)	11 Nov 2022
Email augmentation contact	15 Nov 2022
Fourth contact (postcard reminder)	21 Nov 2022
Email augmentation contact	25 Nov 2022
Fifth contact (mail-back questionnaire)	7 Dec 2022
Survey end date (online)	31 Dec 2022
Survey end date (mail)	14 Jan 2023

Table 3. Survey population, sample invitations, survey responses and working sample size after data cleaning QC/QA procedures.

Description	Frequency	Notes
Population	480,257	Idaho resident anglers age-18+ (2018-2022)
Sample	15,400	Sample size estimate and over-sample
Online responses	3,359	Web response via URL or QR code
Mail (paper) responses	938	Mail-back questionnaire responses
Raw response total	4,297	Pre-data cleaning
Data cleaning	697	Total cases removed
Missing Q1	74	
Missing Q2	2	
Missing Q3	15	
Missing Q4	86	
Missing Q12-Q34	520	
Working sample size	3,600	Working dataset for analysis

Table 4. Summary of population and sample sizes and proportions for age and region variables included in the rake weighting procedure. The weight column demonstrates the degree of difference between the population and the sample, with 1.00 indicating no difference. The population proportion column represents the value used in the rake weighting procedure.

Age Category	Age Range	Population (N)	Population proportion (%)	Sample (n)	Sample proportion (%)	Weight
1	18-24	46,041	9.6	136	3.8	2.54
2	25-34	88,571	18.4	320	8.9	2.07
3	35-44	94,317	19.6	515	14.3	1.37
4	45-54	79,432	16.5	532	14.8	1.12
5	55-64	73,023	15.2	808	22.4	0.68
6	65-74	65,386	13.6	850	23.6	0.58
7	75+	33,485	7	439	12.2	0.57

Region Category	IDFG Region	Population (N)	Population proportion (%)	Sample (n)	Sample proportion (%)	Weight
1	Panhandle	73,613	15.3	471	13.1	1.17
2	Clearwater	35,665	7.4	577	16.0	0.46
3	Southwest	210,956	43.9	502	13.9	3.15
4	Magic Valley	49,876	10.4	502	13.9	0.74
5	Southeast	45,498	9.5	532	14.8	0.64
6	Upper Snake	58,552	12.2	466	12.9	0.94
7	Salmon	6,077	1.3	550	15.3	0.08

Table 5. Favorite fish by rank from Question #3: "From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho." The percentage of responses by species are calculated within each column.

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	52.6%	20.7%	11.9%
2	Bass	17.7%	21.2%	10.5%
3	Anything that bites	6.6%	7.3%	32.0%
4	Steelhead	6.3%	10.8%	8.0%
5	Panfish (bluegill, perch, crappie)	4.7%	11.1%	9.0%
6	Kokanee	3.8%	8.7%	5.6%
7	Catfish, Bullhead	2.7%	6.7%	6.3%
8	Chinook salmon ocean run	2.0%	3.5%	4.0%
9	Walleye	1.5%	2.9%	3.1%
10	Sturgeon	1.1%	2.8%	3.4%
11	Northern pike, Tiger muskie	0.6%	1.9%	1.9%
12	Carp, Sucker (other nongame)	0.3%	0.6%	2.1%
13	Whitefish	0.1%	1.0%	1.3%
14	Coho salmon ocean run	0.1%	0.6%	0.9%

Table 6. Favorite fish species by rank from previous AOS.

Rank	1987	1994	1999	2006	2011	2017	2022
1	Rainbow	Trout	Trout	Trout	Trout	Trout	Trout
2	Any Trout	Bass	Bass	Bass	Anything	Bass	Bass
3	Cutthroat	Rainbow	-	-	Bass	Anything	Anything
4	Steelhead	Steelhead	-	-	Panfish	Steelhead	Steelhead
5	Any Bass	Cutthroat	-	-	Steelhead	Panfish	Panfish

Table 7. Preferred waters to fish in Idaho from Question #4: “Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho.” The percent of responses by water body are calculated within each column.

Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Snake River	20.4%	18.9%	17.4%
2	Salmon River	7.6%	8.7%	6.1%
3	CJ Strike Reservoir	6.7%	7.5%	8.4%
4	Henrys Lake	6.1%	5.0%	6.3%
5	Boise River	4.7%	6.5%	5.1%
6	Cascade Reservoir	4.2%	4.2%	6.1%
7	Lake Pend Oreille	5.0%	3.1%	3.0%
8	Clearwater River	4.3%	3.8%	3.8%
9	Brownlee Reservoir	2.9%	4.4%	3.5%
10	Anderson Ranch Reservoir	3.4%	3.0%	3.8%
11	American Falls Reservoir	3.3%	2.7%	3.9%
12	Lake Coeur d'Alene	2.7%	3.4%	3.9%
13	Alpine lakes - backcountry	3.3%	2.3%	4.0%
14	Dworshak Reservoir	3.4%	2.2%	2.9%
15	Snake River South Fork	3.6%	2.1%	2.0%
16	Lucky Peak Reservoir	2.4%	3.2%	3.3%
17	Lake Lowell	2.1%	3.1%	2.4%
18	Henrys Fork Snake River	1.4%	4.1%	1.8%
19.5	Horsethief Reservoir	2.6%	1.7%	0.5%
19.5	Arrowrock Reservoir	1.9%	1.8%	1.5%
21	Ririe Reservoir	1.4%	2.2%	2.7%
22	Salmon Falls Creek Reservoir	1.7%	1.7%	2.0%
23	Payette River	1.3%	1.4%	3.5%
24	Coeur d'Alene River	1.9%	1.4%	0.8%
25	Saint Joe River	1.5%	1.8%	1.3%

Table 8. Types of fishing vessels owned by anglers based on Question #6.

Watercraft	Percent of Cases
Motorboat	50.3%
Kayak	8.3%
Canoe	13.8%
Float tube	35.0%
Stand up paddleboard	14.8%
Raft	4.5%
Drift boat	28.6%
Kick boat	14.5%

Table 9. Ranking of preferred gear/method from Question #8: “Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.” The percent of responses by are calculated within each column.

Rank	Gear/Method	First	Second	Third	Fourth
1	Lure or Spin (artificial)	43.0%	34.5%	21.8%	2.5%
2	Fly	35.6%	50.7%	11.7%	2.1%
3	Bait	19.3%	13.2%	56.4%	10.3%
4	Archery or spearfish	2.1%	1.6%	10.1%	85.2%

Table 10. Responses to the level of support for various management strategies from Question #18: “To what degree to you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho.” Highlighted rows indicate the majority response

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	10%	14%	33%	33%	11%
Limit IDFG access sites to license holders only	11%	18%	34%	25%	13%
Lottery draw with limited fish permits on high-use waters	35%	33%	14%	5%	13%
Daily fishing fees required on high-use waterbodies	36%	33%	16%	5%	11%

Table 11. Communication methods ranked by preference for each type of content from Question #26: “How would you MOST PREFER to receive the following types of fishing-related information from IDFG.”

Rank	News	Rules	Reminders	Informative Articles	Opinion Surveys
1	IDFG website (38%)	IDFG website (40%)	Email (48%)	IDFG website (35%)	Email (42%)
2	Email (30%)	Email (23%)	IDFG website (14%)	Email (31%)	IDFG website (26%)
3	Social Media (11%)	Vendor (18%)	Postal mail (14%)	Social Media (16%)	Postal mail (15%)
4	Postal mail (8%)	Postal mail (10%)	Text message (14%)	Postal mail (9%)	Social Media (6%)
5	Vendor (6%)	Social Media (4%)	Vendor (6%)	Vendor (6%)	Vendor (4%)
6	Text message (4%)	Text message (3%)	Social Media (3%)	Text message (2%)	Text message (3%)
7	In-person (1%)	In-person (1%)	In-person (1%)	In-person (1%)	In-person (2%)
8	Online (1%)	Online (1%)	Online (1%)	Online (—)	Online (1%)

FIGURES

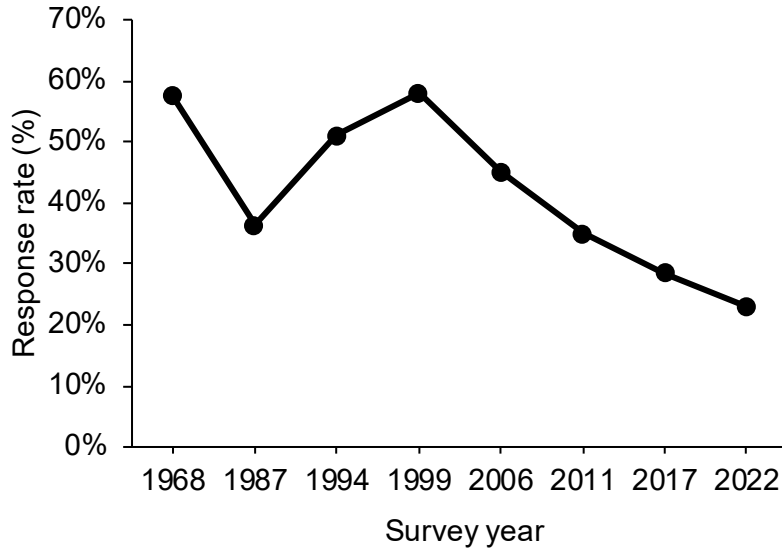


Figure 1. Effective response rates of previous angler opinion surveys by year administered.

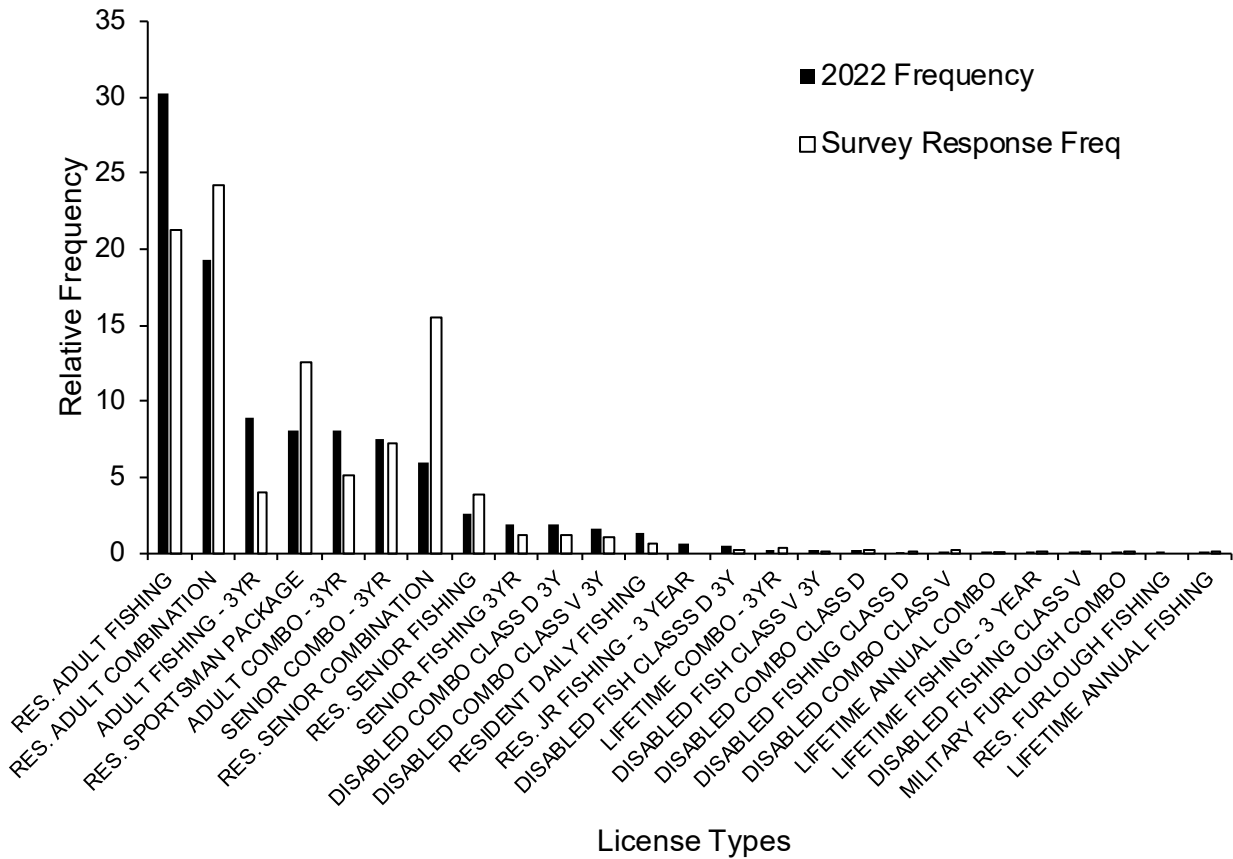


Figure 2. Relative frequency of license types in the population (black) versus those that responded to the survey (white).

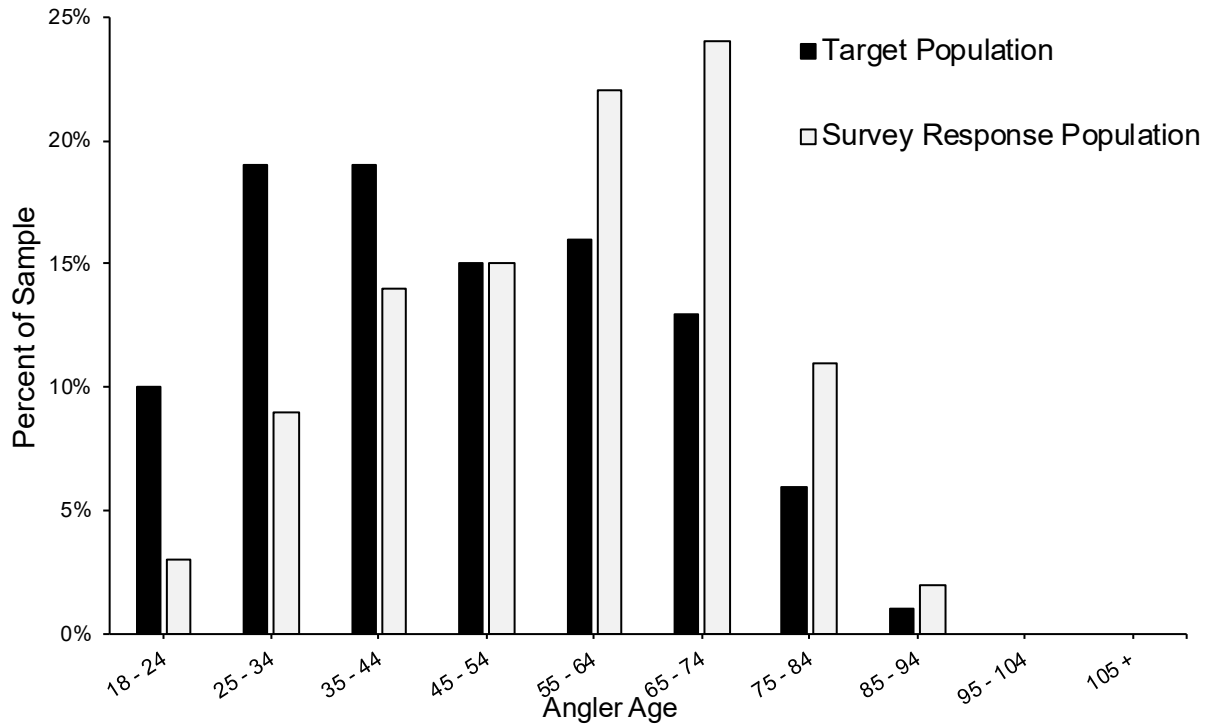


Figure 3. Age distribution of the target population of anglers receiving the survey (black) and those who responded to survey (light gray).

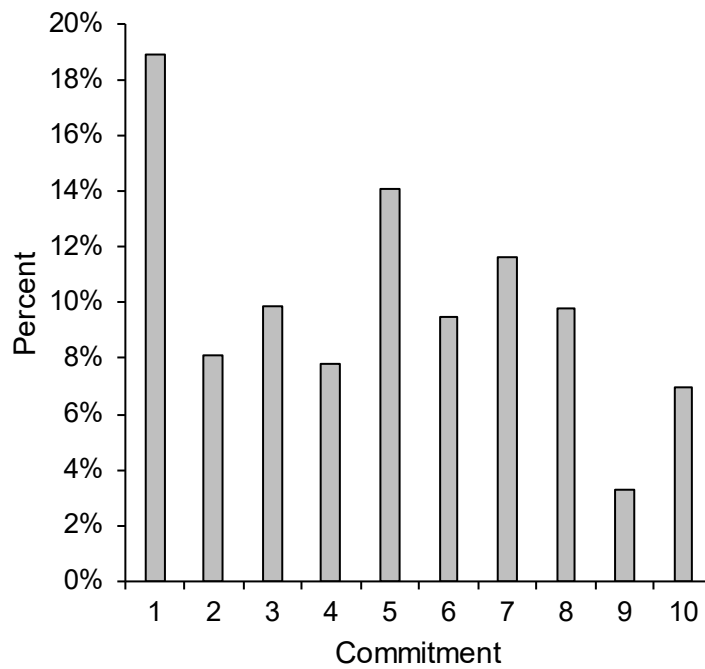


Figure 4. Distribution of angler commitment from 1 (Casual) to 10 (Committed). From survey Q2: "How would you CLASSIFY YOURSELF as an angler?"

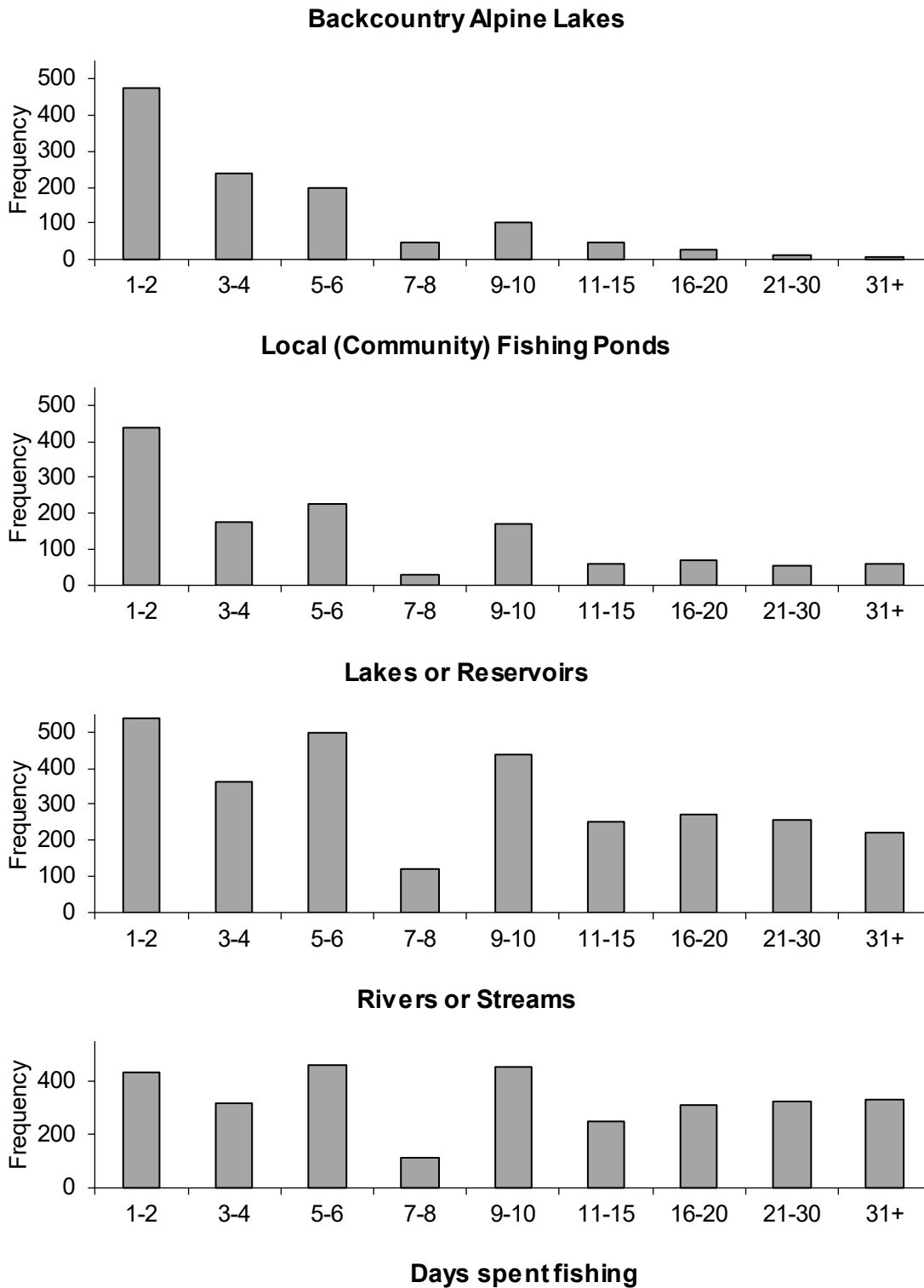


Figure 5. Distribution of the number of days spent on different water bodies from Question #5: "In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho." The results shown have not been weighted by age or region.

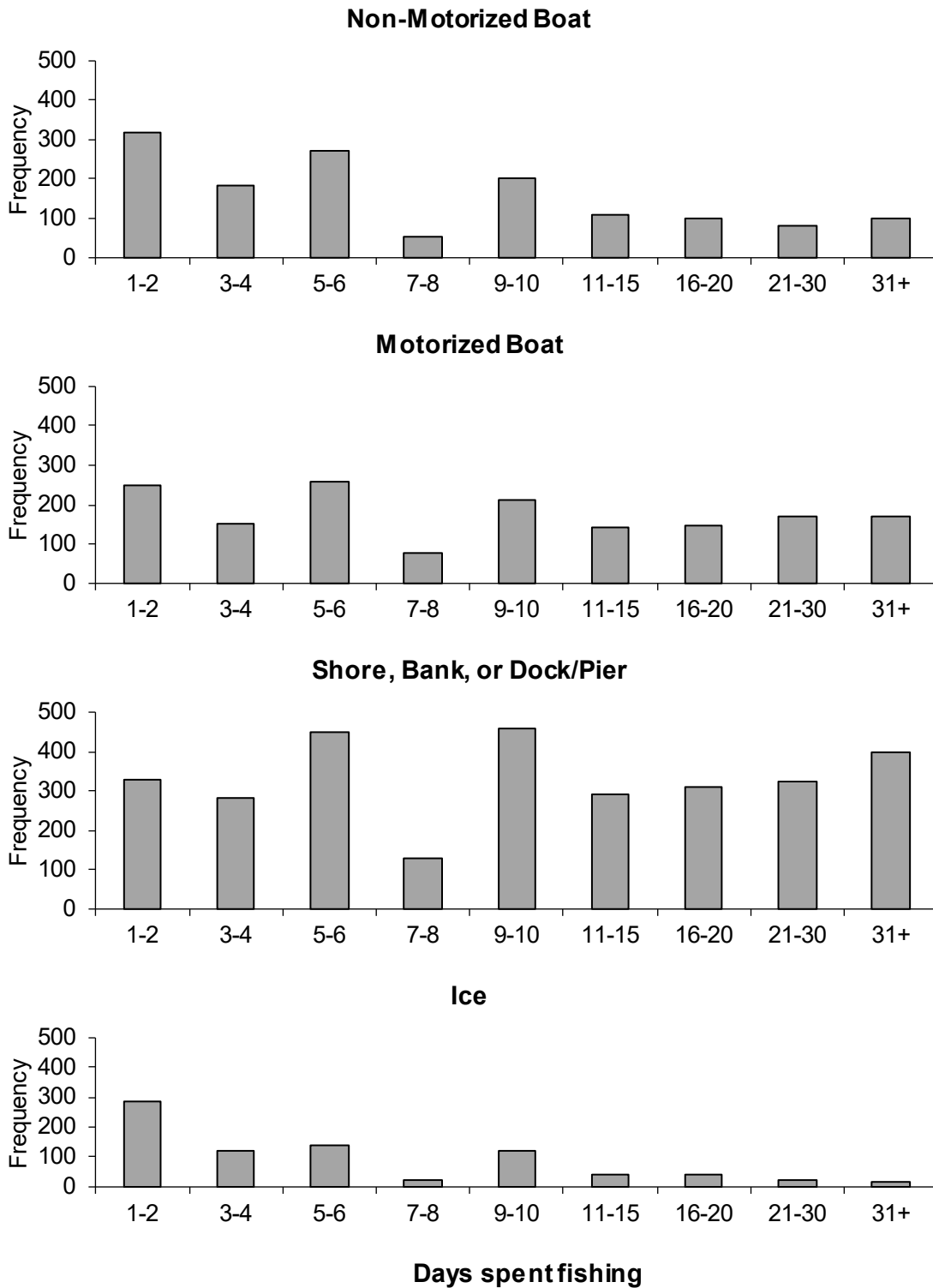


Figure 6. Distribution of the number of days spent on different types of watercraft from Question #7: "In a typical year, please estimate HOW MANY DAYS you fish on the following in Idaho." The results shown have not been weighted by age or region.



Figure 7. The average importance of Department fisheries management activities (Question #10, black bar), and how well the Department is performing the fisheries management activities (Question #11, gray bar). Activities are ranked by order of importance based on a mean score. Analysis of mean excludes blank (0) responses.

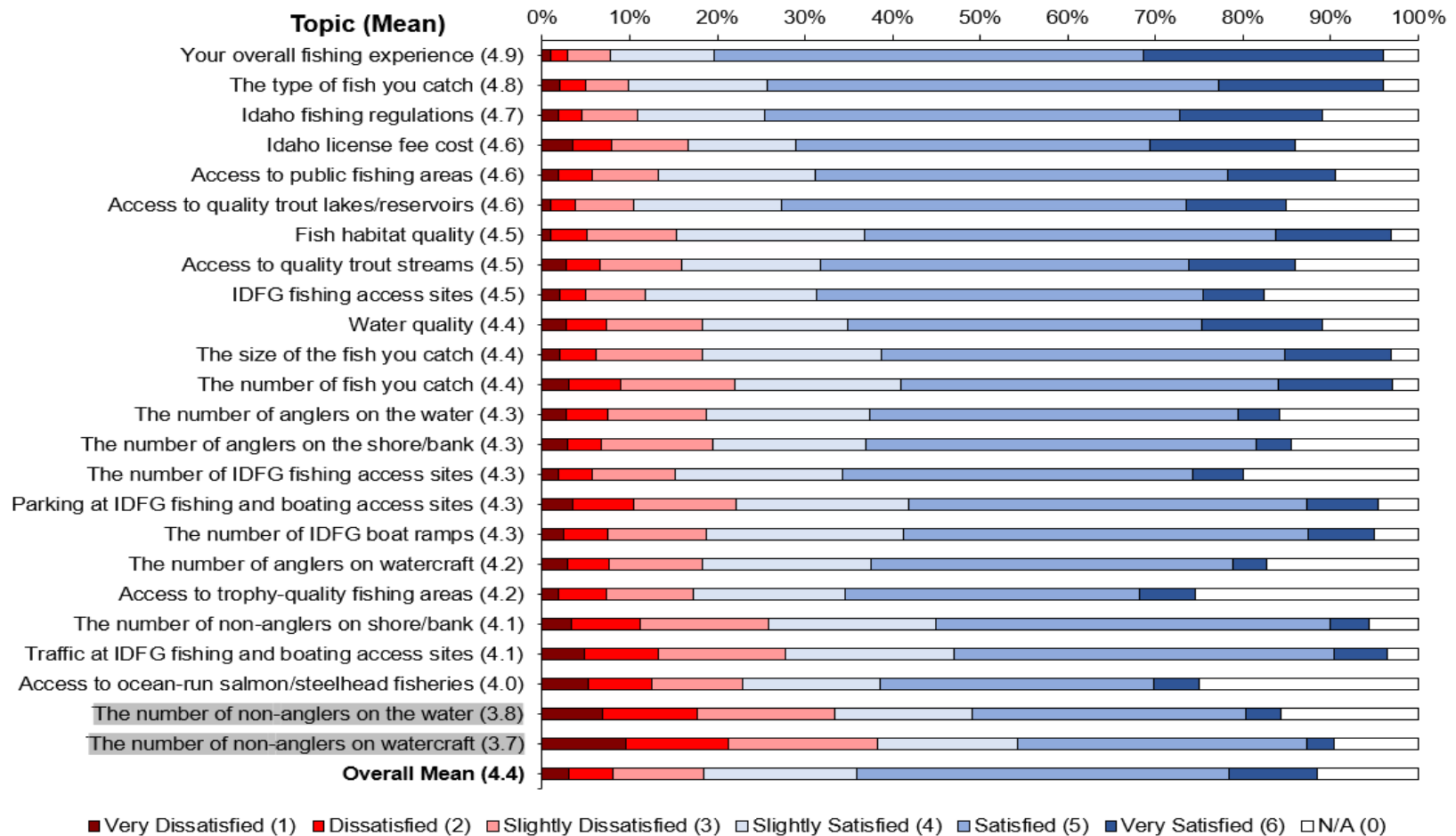


Figure 8. Relative satisfaction of Idaho anglers from Survey Question #12: “In general, how SATISFIED are you with the following in Idaho.” Activities are ranked by order of importance based on a weighted score from the count of six response categories: very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), and very satisfied (6). Blank or N/A (0) responses were not included in the weighted mean. Highlighted rows have topics that were average less than general satisfaction (4.0).

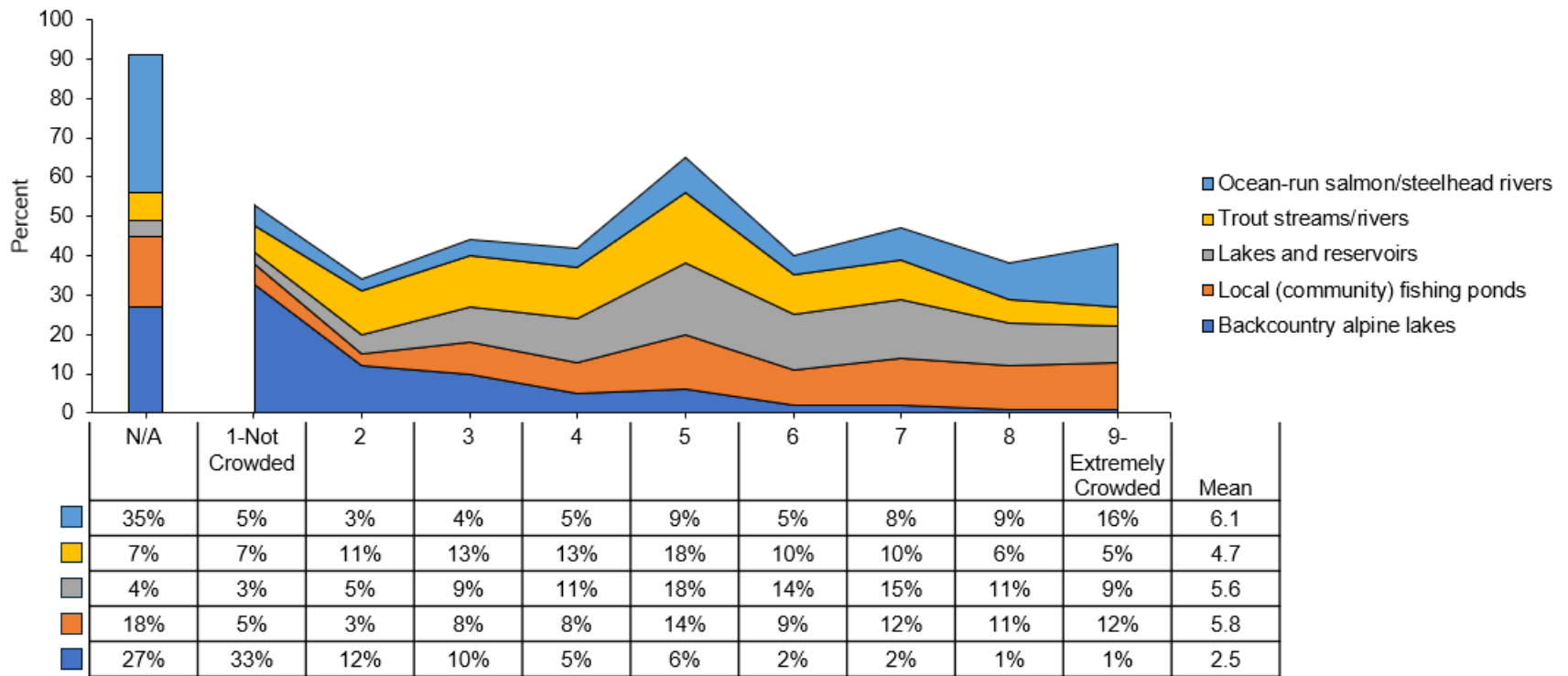


Figure 9. Crowding on different types of fishing trips from Question #14: “On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho.” Responses range from “not crowded” (1) to “extremely crowded” (9). Blank or “N/A” (0) responses were not included in the mean.

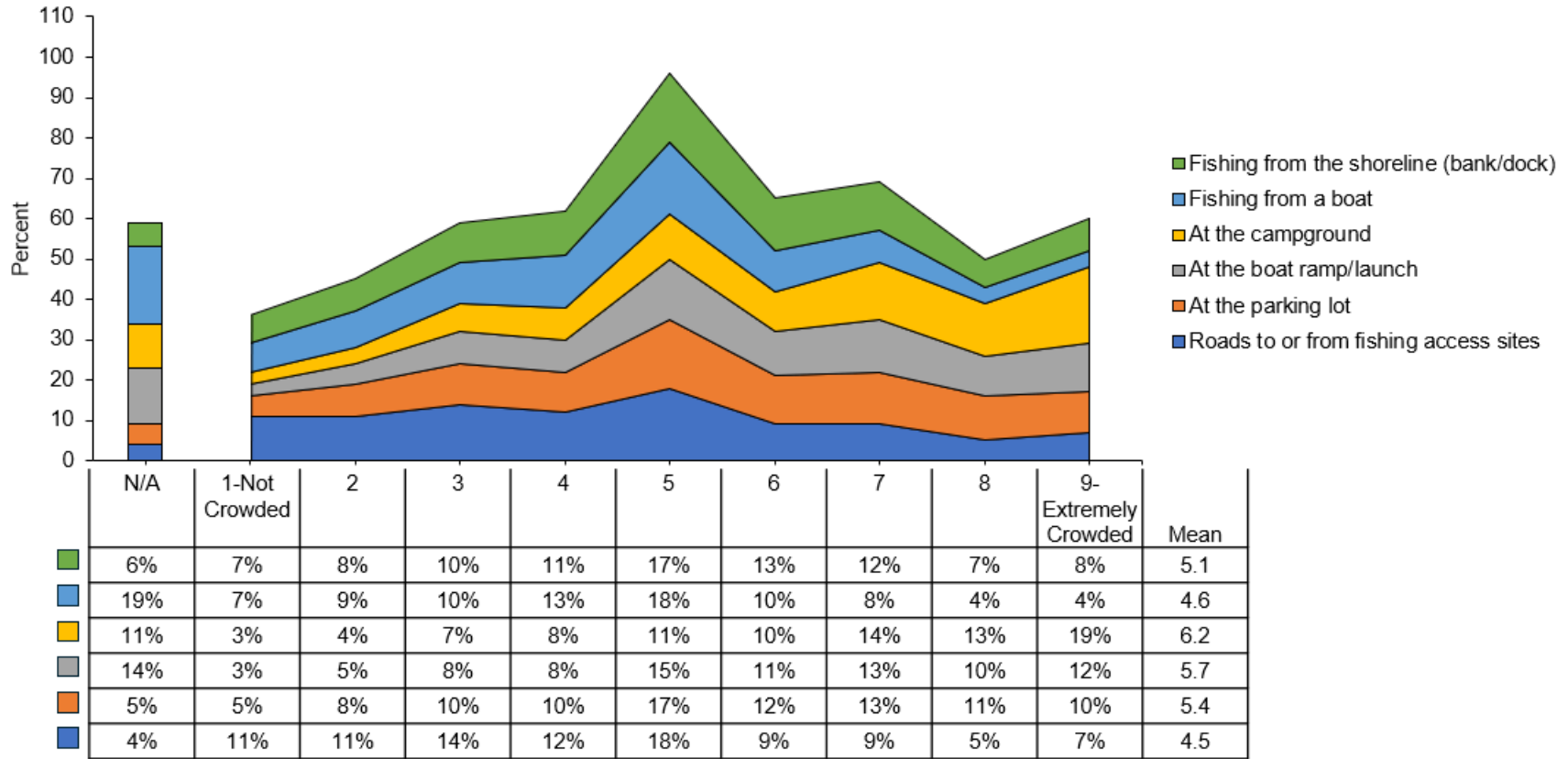


Figure 10. Fishing locations ranked from most to least crowded from Question #15: “On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho.” Responses range from “extremely crowded” (9) to “not crowded” (1). Blank or “N/A” (0) responses were not included in the mean.

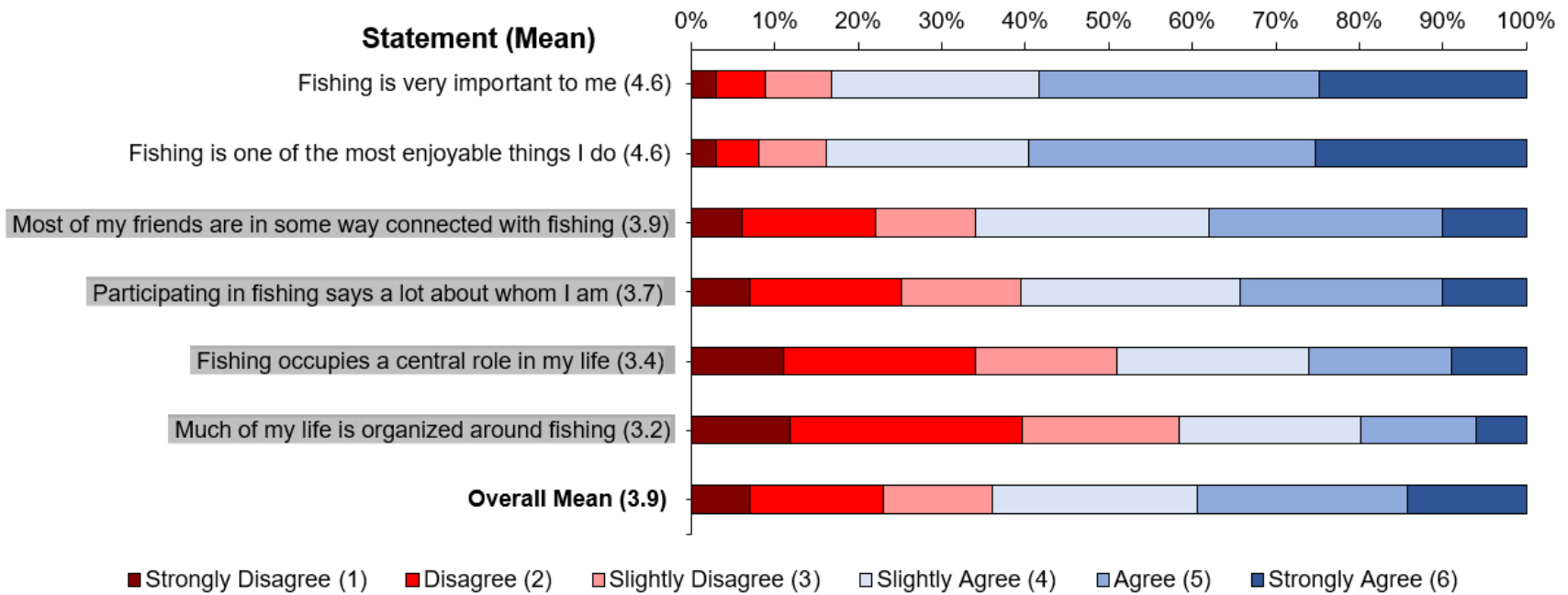


Figure 11. Angler motivations from Question #20: “Please indicate your LEVEL OF AGREEMENT with the following statements.” Activities are ranked by order of importance based on a weighted score from the count of six responses: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), and strongly agree (6). Highlighted statements have means that average below general agreement (4.0).

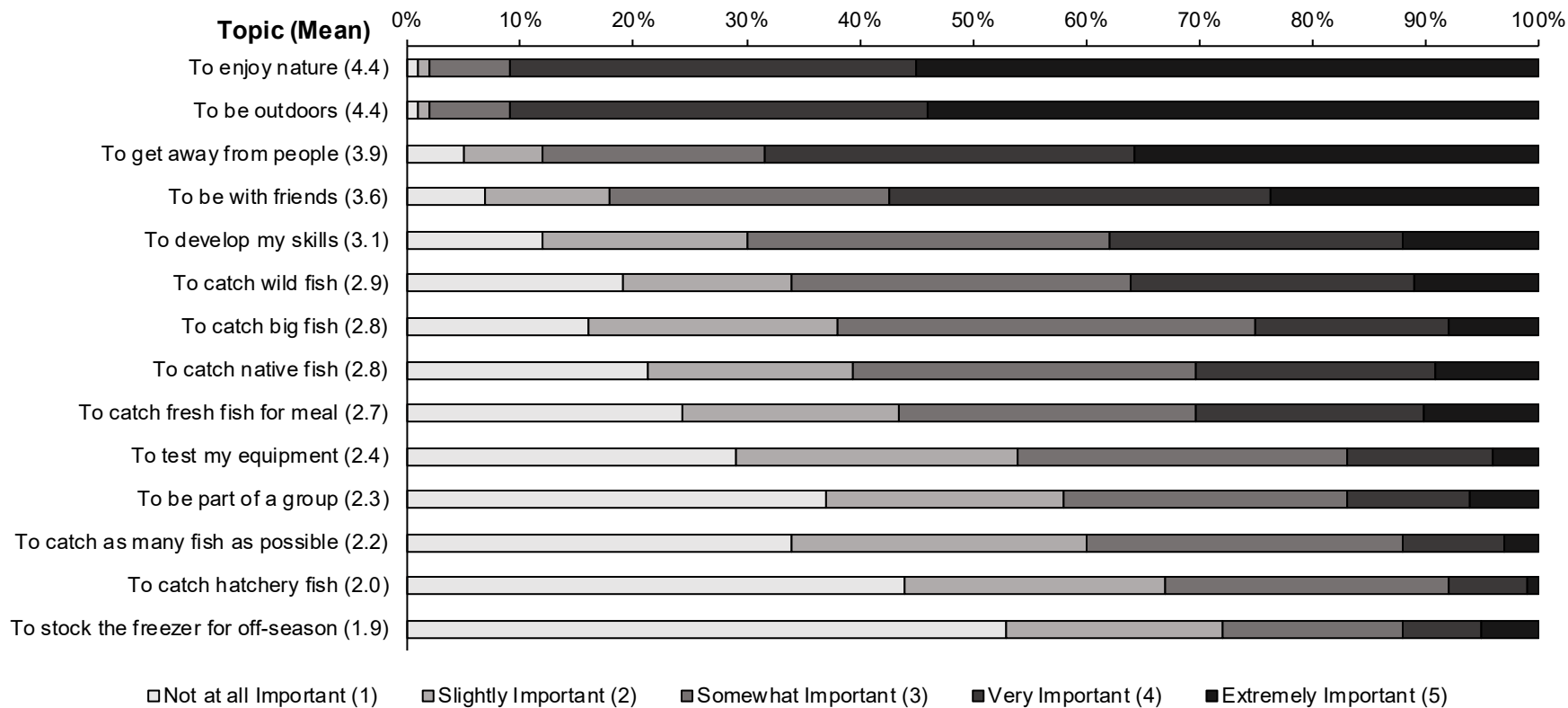


Figure 12. Ranked reasons why anglers fish from Question #21: “Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho.” Activities are ranked by order of importance based on a weighted score from the count of 5 responses: Not at all important (1), Slightly important (2), Somewhat important (3), Very important (4), Extremely important (5).

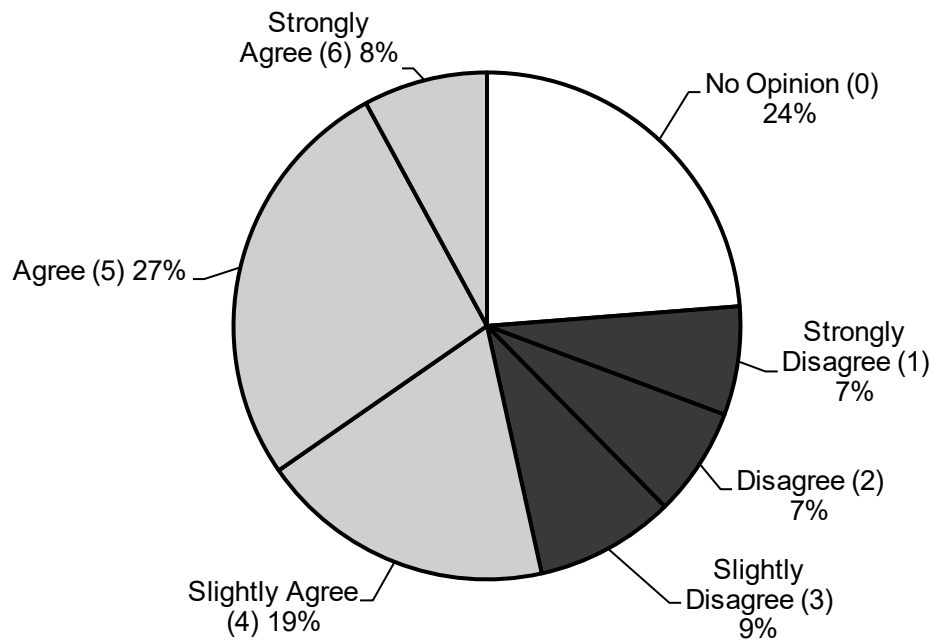


Figure 13. Angler opinion on tournaments in response to Question #23: "To what extent to you disagree or agree that fishing tournaments are appropriate in Idaho."

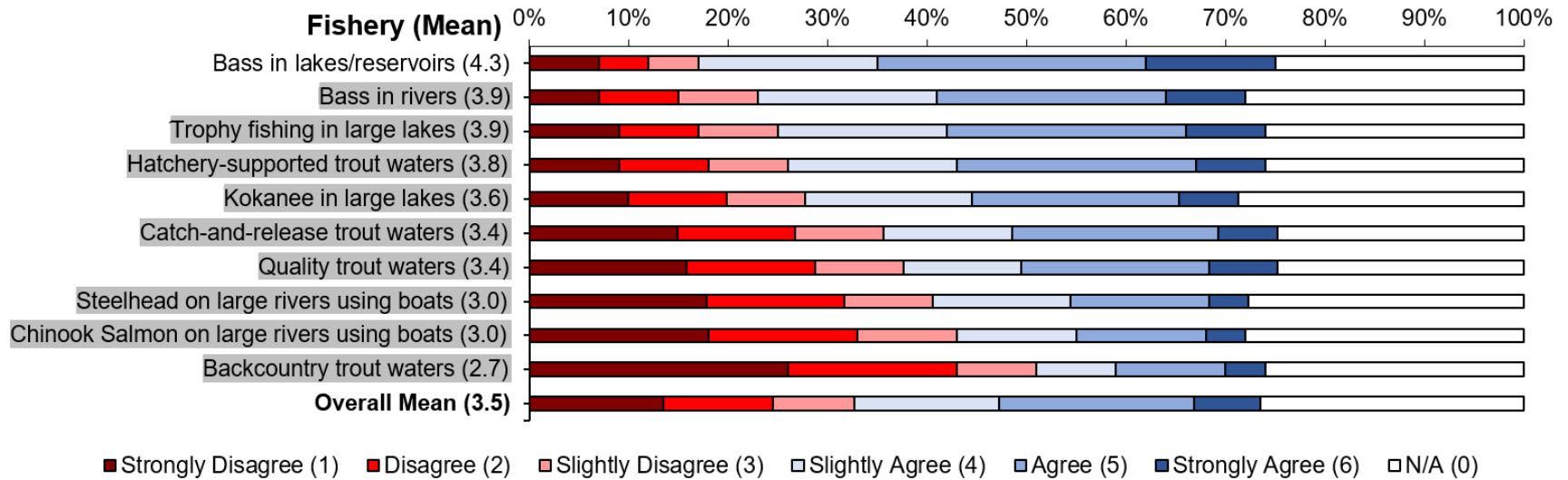


Figure 14. Fisheries ranked by angler preference for tournaments from Question #25: “To what extent do you AGREE OR DISAGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho.” Fisheries are ranked by most to least appropriate based on a weighted score from the count of six responses: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), and strongly agree (6). Blank or “No opinion” (0) responses were not included in the weighted score. Highlighted rows have fisheries that average less than general agreement (4.0).

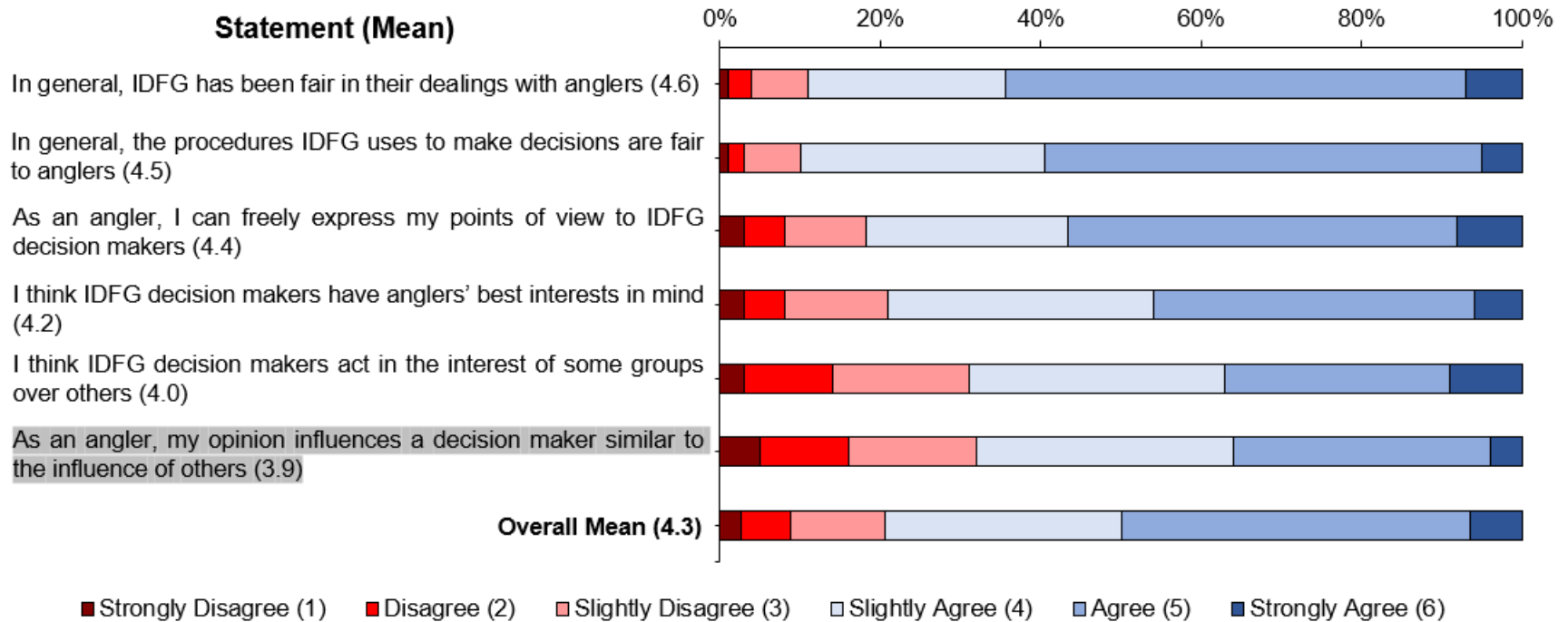


Figure 15. Ranked angler opinion from Question #27: "Please indicate your LEVEL OF AGREEMENT with the following statements about the Department." Statements are ranked by most to least agreement based on a weighted score from the count of six responses: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), and strongly agree (6). Blank (0) responses were not included in the weighted score. Highlighted rows have statements that average less than general agreement (4.0).

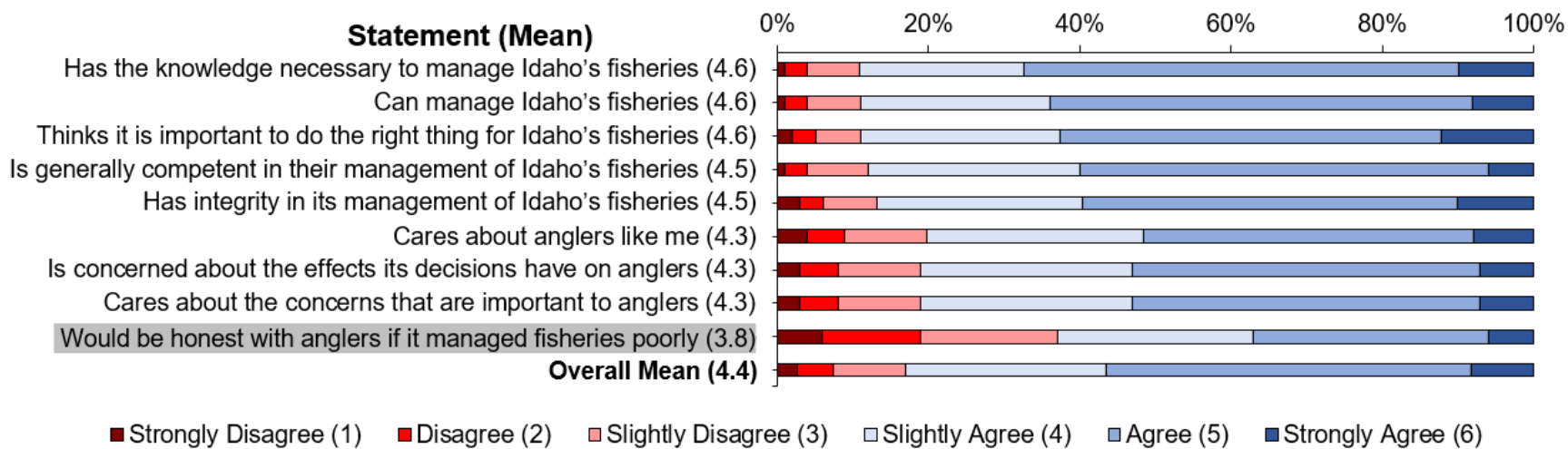


Figure 16. Ranked angler opinion from Question #28: “To what extent do you AGREE OR DISAGREE that the Department:” Statements are ranked by most to least agreement based on a weighted score from the count of six responses: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), and strongly agree (6). Blank (0) responses were not included in the weighted score. Highlighted rows have statements that average less than general agreement (4.0).

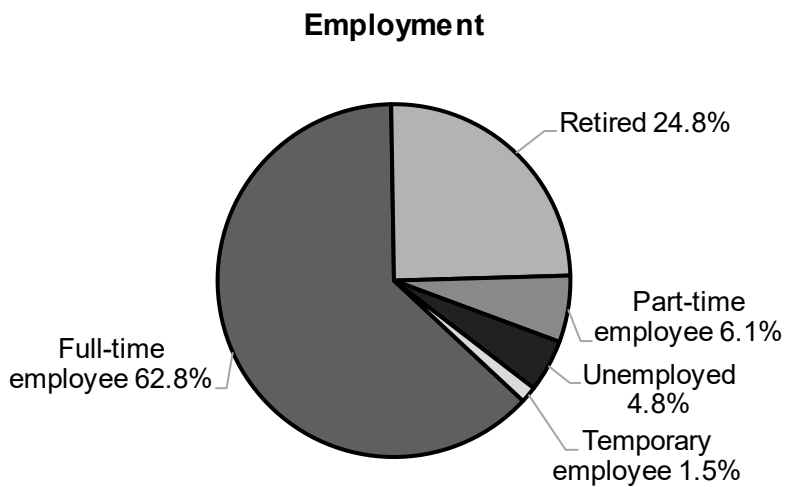
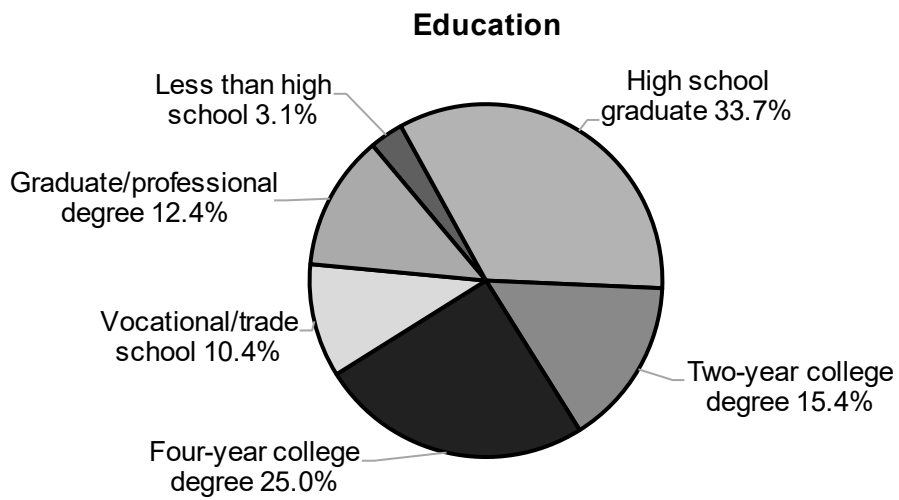
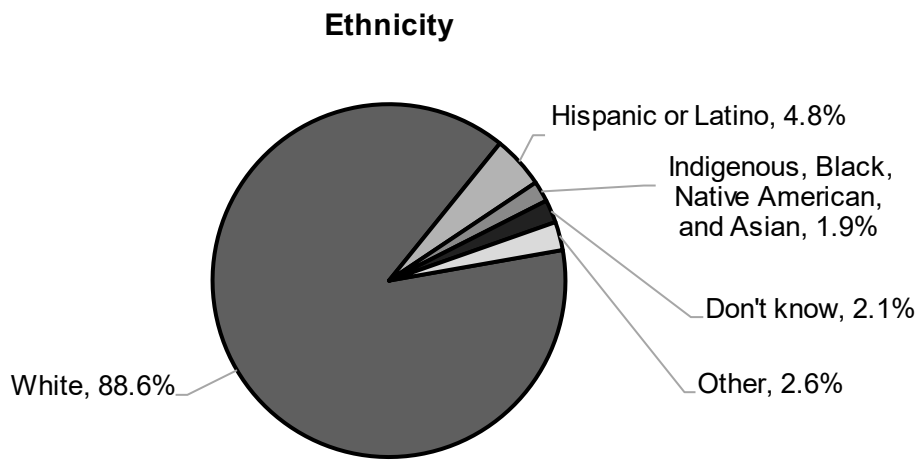


Figure 17. Percent breakdown of ethnicity, education, and employment from survey questions #29, #30, and #32 respectively.

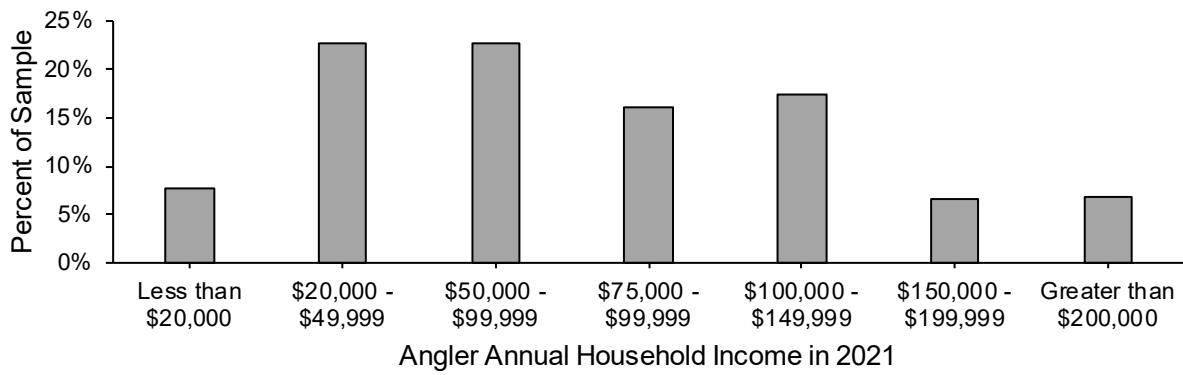


Figure 18. Distribution of angler annual household income, before taxes, in 2021 from Question #31.

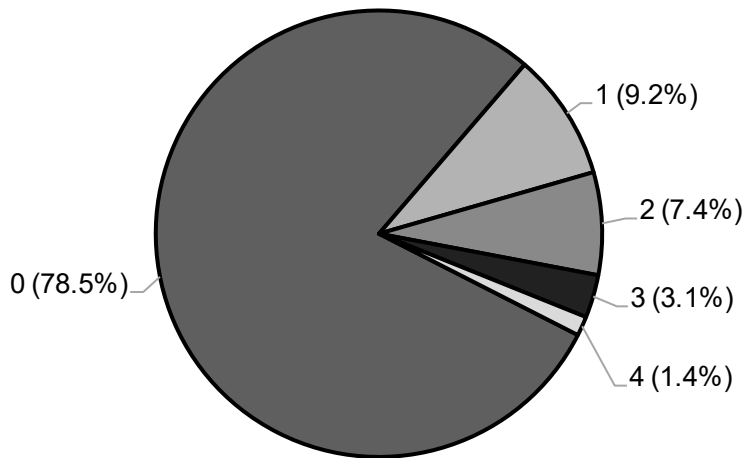


Figure 19. The number of children within angler households that participate in fishing from Question #33.

APPENDICES

Appendix A. List of fishing license types included when developing the sampling frame. Survey recipients were drawn randomly from a pool of these license types active during 2018-2022.

License code	License type description
101	Resident Adult Combination
103	Resident Adult Fishing
104	Resident Sportsman package
105	Resident Senior Combination
111	Resident Adult Lifetime Combination
113	Resident Adult Lifetime Fishing
118	Resident Senior Fishing (65 years)
125	Resident Disabled Combination Class D
126	Resident Disabled Fishing Class D
129	Resident Disabled Combination Class V
130	Resident Disabled Fishing Class V
131	Resident Furlough Combination
132	Resident Furlough Fishing
135	Resident Daily Fishing
141	Resident Adult Combination - 3 year
143	Resident Adult Fishing - 3 year
145	Resident Senior Combination - 3 year
150	Resident Disabled Combination Class D - 3 year
151	Resident Disabled Fishing Class D - 3 year
152	Resident Disabled Combination Class V - 3 year
155	Resident Senior Fishing (65 years) - 3 year
153	Resident Disabled Fishing Class V - 3 year
161	Resident Adult Lifetime Combination - 3 year
163	Resident Adult Lifetime Fishing - 3 year

Appendix B. Invitation cover letter and survey form for the 2022 Angler Opinion Survey that was mailed to anglers that did not respond to postcards and email invitations to complete the survey online, which included 11,803 recipients.



IDAHO DEPARTMENT OF FISH AND GAME

600 S Walnut / P.O. Box 25
Boise, Idaho 83707

Brad Little / Governor
Ed Schriever / Director

October 2022

PIN: «Survey PIN»

«FNAME» Last Name
Address
City, ST Zip

Hello «FNAME»:

Idaho's fisheries belong to us all. At the Idaho Department of Fish and Game (IDFG), we value the experiences of and feedback from anglers like yourself. Your feedback helps us shape fisheries management in Idaho.

Last week, we sent a postcard to notify you about the **2022 Angler Opinion Survey**. Every six years, IDFG conducts a statewide survey of anglers to help us better manage fisheries and serve the public. You were randomly selected to participate based on your purchase of an Idaho fishing license within the past three years.

The **2022 Angler Opinion Survey** covers a variety of topics that will inform the Statewide Fisheries Management Plan (2025-30). The survey should take 15-minutes to complete. If you have provided IDFG with an email address, there may also be an invitation in your inbox.

For your convenience, we have made completing the survey quick and easy:

- Visit the survey webpage by typing the web address below or using the QR code:

idfg.idaho.gov/AOS22

- Enter your unique PIN: **«Survey PIN»** to start the survey.

**If you prefer to respond by mail, a paper survey and return envelope will be sent to you in a few weeks.*



Your feedback is essential to manage Idaho's fishery resources. Your responses are confidential and will only be used by the Department for descriptive and statistical purposes. We greatly appreciate your time and feedback.

Sincerely,

Ed Schriever
Director, Idaho Department of Fish and Game

Secondary survey URL:
https://uidaho.co1.qualtrics.com/jfe/form/SV_a5cFJHBr1cYDTr8



2022 IDAHO ANGLER OPINION SURVEY



SECTION 1

The first section of this survey asks about your fishing experience in Idaho and your preferences about species, locations, and equipment. We also ask you to give your best estimate about the number of days you spend fishing in a typical year.

1. How many **YEARS** of your life have you fished in Idaho?

1-5 years
 6-10 year
 11-15 years
 16-20 years
 20+ years

2. On a scale of 1-10 — 1 being casual to 10 being committed — how would you **CLASSIFY YOURSELF** as an angler?

	1	2	3	4	5	6	7	8	9	10	
Casual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Committed

3. From the following list, please select your three (3) **MOST PREFERRED** (favorite) fish to target in Idaho:

Bass	Carp, Sucker (<i>other nongame</i>)	Catfish, Bullhead
Chinook salmon <i>ocean run</i>	Coho salmon <i>ocean run</i>	Kokanee
Northern pike, Tiger muskie	Panfish (<i>bluegill, perch, crappie</i>)	Steelhead
Sturgeon	Walleye	Whitefish
Trout (<i>cutthroat, rainbow, lake, brook, etc.</i>)	Anything that bites	

1st choice: _____ **2nd choice:** _____ **3rd choice:** _____

Appendix B (continued)

4. Please list (write in) your three (3) **MOST PREFERRED** (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.).

1st choice:

2nd choice:

3rd choice:

5. In a typical year, please estimate **HOW MANY DAYS** you fish on the following types of waters in Idaho? *Enter 0 or leave blank if not applicable*

Backcountry alpine lake: _____ days

Local (community) fishing ponds: _____ days

Lakes or reservoirs: _____ days

Rivers or streams: _____ days

6. For the **PURPOSES OF FISHING**, which of the following do you own?

Check all that apply

- | | |
|----------------------------------|--|
| <input type="radio"/> Motorboat | <input type="radio"/> Kick boat |
| <input type="radio"/> Drift boat | <input type="radio"/> Raft |
| <input type="radio"/> Canoe | <input type="radio"/> Kayak |
| <input type="radio"/> Float tube | <input type="radio"/> Stand up paddleboard |

7. In a typical year, please estimate **HOW MANY DAYS** you fish from the following in Idaho? *Enter 0 or leave blank if not applicable*

Non-motorized boat: _____ days

Motorized boat: _____ days

Shore, bank, or dock/pier: _____ days

Ice: _____ days

8. Please rank your **PREFERRED** fishing gear/method from most to least used.

Enter 1 for most used and 4 for least used

Fly

Bait

Lure or spin (artificial)

Archery or spearfish

Appendix B (continued)

9. Which of the following best describes how you **PREFER** to fish during a typical fishing trip in Idaho?
- I fish alone With family
 With friends With guide/outfitter

SECTION 2

Angler feedback is essential to public input processes that inform fisheries management. This section focuses on how important topics are to you, how well the Department performs, and your satisfaction with fishing in Idaho. We know you are being asked several questions in this section and your feedback is appreciated.

10. Please tell us **HOW IMPORTANT** each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho:

	Not at all important	Slightly important	Somewhat Important	Very important	Extremely important
Creating new fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintaining existing fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving existing fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing classes on how to fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing general fisheries information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing quality local (community) pond fishing options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving fish habitat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific information to inform management decisions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy bass fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for warm water fisheries (bass, crappie)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing native nongame fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing catch-and-release fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing catch-and-keep trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing hatchery-supported trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for native trout fisheries (cutthroat trout)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy trout in rivers and streams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy trout in lakes and reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing backcountry alpine lake trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix B (continued)

11. Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities:	Poor	Fair	Good	Very good	Excellent
Creating new fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintaining existing fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving existing fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing classes on how to fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing general fisheries information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing quality local (community) pond fishing options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving fish habitat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific information to inform management decisions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy bass fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for warm water fisheries (bass, crappie)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing native nongame fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing catch-and-release fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing catch-and-keep trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing hatchery-supported trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for native trout fisheries (cutthroat trout)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy trout in rivers and streams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing for quality/trophy trout in lakes and reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing backcountry alpine lake trout fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix B (continued)

12a. In general, how **SATISFIED** are you with the following in Idaho?

	Very dissatisfied	Dissatisfied	Slightly dissatisfied	Slightly satisfied	Satisfied	Very satisfied	No opinion
Your overall fishing experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The type of fish you catch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The size of the fish you catch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of fish you catch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fish habitat quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Idaho fishing regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Idaho license fee cost	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12b. In general, how **SATISFIED** are you with the following in Idaho?

	Very dissatisfied	Dissatisfied	Slightly dissatisfied	Slightly satisfied	Satisfied	Very satisfied	No opinion
The number of anglers on the water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of anglers on the shore/bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of non-anglers on the water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of non-anglers on shore/bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of anglers on watercraft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of non-anglers on watercraft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix B (continued)

12c. In general, how **SATISFIED** are you with the following in Idaho?

	Very dissatisfied	Dissatisfied	Slightly dissatisfied	Slightly satisfied	Satisfied	Very satisfied	No opinion
Access to public fishing areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to trophy-quality fishing areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to quality trout streams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to quality trout lakes/reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to ocean-run salmon/steelhead fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12d. In general, how **SATISFIED** are you with the following in Idaho?

	Very dissatisfied	Dissatisfied	Slightly dissatisfied	Slightly satisfied	Satisfied	Very satisfied	No opinion
IDFG fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of IDFG fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The number of IDFG boat ramps	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parking at IDFG fishing and boating access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Traffic at IDFG fishing and boating access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

SECTION 3

The Department recognizes that the Idaho fishing experience can be influenced by several factors. This section focuses on the issue of crowding and access and collects input on how other anglers and non-anglers may influence your experience on a typical fishing trip in Idaho.

13. On a scale of 1 to 9, how would you rate the **LEVEL OF CROWDING** you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?

	1	2	3	4	5	6	7	8	9	
Not crowded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely crowded

Appendix B (continued)

14. On a scale of 1 to 9, how would you rate the **LEVEL OF CROWDING** you experience on a typical fishing trip in Idaho (*1 = not crowded and 9 = extremely crowded*)?

	1	2	3	4	5	6	7	8	9	n/a
Backcountry alpine lakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local (community) fishing ponds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lakes and reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trout streams/ivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean-run salmon/steelhead rivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. On a scale of 1 to 9, how would you rate the **LEVEL OF CROWDING** you experience at these specific locations on a typical fishing trip in Idaho (*1 = not crowded and 9 = extremely crowded*)?

	1	2	3	4	5	6	7	8	9	n/a
Roads to or from fishing access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the parking lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the boat ramp/launch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the campground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing from a boat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing from the shoreline (bank/dock)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. Which of the following best describes **HOW YOUR BEHAVIOR HAS CHANGED** as a result of the crowding you experience fishing in Idaho? *Select one option*

- a) No change in my behavior
- b) I have stopped fishing
- c) I fish earlier or later in the day
- d) I fish on different days
- e) I fish at different waterbodies
- f) I fish for different species

17. In your opinion, **WHO CONTRIBUTES MOST** to the crowding you experience on a typical fishing trip in Idaho? *Select one option*

- g) Other anglers in motorized boats
- h) Other anglers in non-motorized vessels (kayaks, canoes, etc.)
- i) Other anglers on the shore or wading
- j) Guides and outfitters
- k) Non-anglers in motorized boats
- l) Non-anglers in non-motorized vessels (kayaks, canoes, etc.)

Appendix B (continued)

18. To what degree do you **OPPOSE OR SUPPORT** the following management strategies to reduce crowding at fishing locations in Idaho?

	Strongly oppose	Oppose	Support	Strongly support	No opinion
Lottery draw with limited fish permits on high-use waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Daily fishing fees required on high-use waterbodies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Require a fishing license to use IDFG access sites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limit IDFG access sites to license holders only	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. Since resources are limited, if you had to choose only one of the following, would you **PREFER** IDFG invest in:

- a) A higher number of fishing and boating access sites but with primitive facilities (*for example, dirt roads and ramps but no docks or piers*)
- b) A lower number of fishing and boating access sites but these sites will have modern facilities and amenities (*for example, paved roads, ramps with docks, piers, toilets, etc.*)

SECTION 4

The Department recognizes that anglers differ in terms of where and how they fish, but also why they fish. This section asks about what motivates you to fish and how important certain factors are to your fishing experience in Idaho.

20. Please indicate your **LEVEL OF AGREEMENT** with the following statements:

	Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree
Fishing is one of the most enjoyable things I do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing is very important to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Much of my life is organized around fishing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing occupies a central role in my life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Most of my friends are in some way connected with fishing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participating in fishing says a lot about whom I am	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix B (continued)

21. Below is a list of some of the reasons why people fish. Please indicate **HOW IMPORTANT** each is to you as a reason for fishing in Idaho.:

	Not at all important	Slightly important	Somewhat important	Very important	Extremely important
To catch as many fish as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To catch big fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To catch native fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To catch wild fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To catch hatchery fish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To stock the freezer for off-season	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To catch fresh fish for meal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To enjoy nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To be outdoors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To get away from people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To be with friends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To be part of a group	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To develop my skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To test my equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22. If you had to choose one, which would you say is your **STRONGEST MOTIVATION** to fish?
- a) Being outdoors, enjoying nature, or relaxation (i.e., things not necessarily related to catching fish)
 - b) Catching a lot of fish, catching a trophy fish, or the challenge of fishing (i.e., things specific to catching fish)

SECTION 5
 To scope potential issues of concern among anglers, please tell us your opinion about fishing tournaments (contests) in Idaho.

23. To what extent do you **DISAGREE OR AGREE** that fishing tournaments are appropriate in Idaho?

Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree	No opinion
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. In the past 5 years, did you **PARTICIPATE IN A FISHING TOURNAMENT** in Idaho that offered a prize based on the number or size of fish caught?
- No Yes

Appendix B (continued)

25. To what extent do you **DISAGREE OR AGREE** that fishing tournaments are appropriate for the following types of fisheries in Idaho?

	Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree	No opinion
Steelhead on large rivers using boats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chinook Salmon on large rivers using boats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Catch-and-release trout waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality trout waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hatchery-supported trout waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kokanee in large lakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Backcountry trout waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bass in rivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bass in lakes/reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trophy fishing in large lakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

SECTION 6

The Department recognizes their relationship with Idaho anglers is essential to effective fisheries management. Please answer the following questions based on your preferences and interactions with Idaho Fish and Game.

26. How would you **MOST PREFER** to receive the following types of fishing-related information from IDFG?

	News fish stocking, access changes, water conditions, trip ideas	Rules season open/close, new rules	Reminders license renewals, expirations	Informative Articles newsletters, conservation stories, blogs	Opinion Surveys input on rule changes, season management
Public meeting (in-person)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public meeting (online)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IDFG website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Postal mail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Email	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Text message	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
License vendor locations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix B (continued)

27. Please indicate your **LEVEL OF AGREEMENT** with the following statements about the Department:

	Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree
In general, the procedures IDFG uses to make decisions are fair to anglers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, IDFG has been fair in their dealings with anglers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As an angler, I can freely express my points of view to IDFG decision makers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As an angler, my opinion influences a decision maker similar to the influence of others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think IDFG decision makers act in the interest of some groups over others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think IDFG decision makers have anglers' best interests in mind	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. To what extent do you **AGREE OR DISAGREE** that the Department:

	Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree
Is generally competent in their management of Idaho's fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Can manage Idaho's fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the knowledge necessary to manage Idaho's fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cares about anglers like me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is concerned about the effects its decisions have on anglers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cares about the concerns that are important to anglers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thinks it is important to do the right thing for Idaho's fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has integrity in its management of Idaho's fisheries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would be honest with anglers if it managed fisheries poorly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

SECTION 7

We understand the following questions are personal, but your answers help the Department better understand Idaho anglers and potential future anglers. Please answer the following demographics questions. Your answers will not be used with your personal information and is for statistical purposes only.

29. Which of the following would you say is your **RACE OR ETHNICITY**?

- a) Asian
- b) Black or African American
- c) Hispanic or Latino
- d) Indigenous (Native American or Alaskan Native)
- e) Native Hawaiian or other Pacific Islander
- f) White
- g) Don't know
- h) Other

30. What is the highest **LEVEL OF EDUCATION** you have completed?

- | | |
|---|--|
| <input type="radio"/> Less than high school | <input type="radio"/> Four-year college degree |
| <input type="radio"/> High school graduate | <input type="radio"/> Vocational/trade school |
| <input type="radio"/> Two-year college degree | <input type="radio"/> Graduate/professional degree |

31. What was your annual household **INCOME**, before taxes, in 2021?

- | | |
|---|--|
| <input type="radio"/> Less than \$20,000 | <input type="radio"/> \$75,000 - \$99,999 |
| <input type="radio"/> \$20,000 - \$49,999 | <input type="radio"/> \$100,000 - \$149,999 |
| <input type="radio"/> \$50,000 - \$99,999 | <input type="radio"/> \$150,000 - \$199,999 |
| | <input type="radio"/> Greater than \$200,000 |

32. What is your current **EMPLOYMENT** status?

- | | |
|--|--|
| <input type="radio"/> Full-time employee | <input type="radio"/> Temporary employee |
| <input type="radio"/> Part-time employee | <input type="radio"/> Unemployed |
| | <input type="radio"/> Retired |

33. How many children under 14 years of age live at your residence participate in fishing?

of children: _____

34. In the past 12 months, did you take any of the following people fishing in Idaho?

Check all that apply

- New angler under the age of 14
- New angler over the age of 14
- Someone who has not fished in a few years

Appendix C. Sample email invitation to complete the 2022 Angler Opinion Survey online



Dear First Last,

Over the last few days, we mailed you a letter to invite you to take the 2022 Angler Opinion Survey. Every six years, the Idaho Department of Fish and Game conducts a statewide survey of anglers to help us better manage fisheries and serve the public. You were randomly selected to participate based on your purchase of an Idaho fishing license within the past three years.

Taking the survey is quick and easy

1. Visit the survey webpage by clicking below or using: <https://idfg.idaho.gov/AOS22>
2. Enter your unique survey PIN to start the survey: 0

[Take Survey Now](#)



The **2022 Angler Opinion Survey** covers a variety of topics that will inform the Statewide Fisheries Management Plan (2025-30). The survey should only take **15-minutes** to complete.

Idaho's fisheries belong to us all, and **your feedback is essential to manage Idaho's fishery resources**. At Idaho Fish and Game, we value the experiences and feedback from anglers like yourself.

Your responses are confidential and will only be used by the Department for descriptive and statistical purposes. We greatly appreciate your time and feedback.

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Schriever".

Ed Schriever
Director, Idaho Department of Fish and Game

Idaho Department of Fish & Game
P.O. Box 25, Boise, ID 83707
600 S. Walnut, Boise, ID 83712
(208) 334-3700
idfg.idaho.gov

Having trouble viewing this email? [View as a Web page.](#)

A row of six white social media icons on a dark blue background: Facebook, Twitter, Instagram, YouTube, Messenger, and RSS.

Appendix D. Nonresponse survey questionnaire mailed to recipients that did not respond to any of the initial primary survey attempts.



IDAHO DEPARTMENT OF FISH AND GAME

600 S Walnut / P.O. Box 25
Boise, Idaho 83707

Brad Little / Governor
Ed Schriever / Director

February 2023

PIN: «Survey PIN»

«FNAME» Last Name
Address
City, ST Zip

Hello «FNAME»:

The Idaho Department of Fish and Game recently sent you the **2022 Angler Opinion Survey**. Your input is vital to help shape our Statewide Fisheries Management Plan (2025-2030). Since you were unable to complete the earlier survey, please consider completing this shorter simple survey.


Completing this simple survey is easy by either filling out the paper survey (see reverse) or, complete it online!

OPTION 1: RETURN BY MAIL

1. Flip this page over to complete survey the short survey on the back.
2. Mail back your completed survey using the pre-paid postage envelope provided.

OPTION 2: COMPLETE ONLINE

1. Visit survey webpage using the web address below or the QR code:
<https://idfg.idaho.gov/anglersurvey>
2. Enter your unique PIN: **«Survey PIN»** to start the survey.



If you have recently returned the survey, thank you! Please disregard this follow up.

Sincerely,

Ed Schriever
Director, Idaho Department of Fish and Game

Secondary survey URL
https://uidaho.co1.qualtrics.com/jfe/form/SV_73TWYTFthixOIGxU



2022 IDAHO ANGLER OPINION SURVEY



1. In general, how **SATISFIED** are you with your overall fishing experience in Idaho?

Very dissatisfied	Dissatisfied	Slightly dissatisfied	Slightly satisfied	Satisfied	Very satisfied	No opinion
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. If you had to choose one, which would you say is your **STRONGEST MOTIVATION** to fish?

- Being outdoors, enjoying nature, or relaxation (things not necessarily related to catching fish)
- Catching a lot of fish, catching a trophy fish, or the challenge of fishing (things specific to catching fish)

3. On a scale of 1-10 — 1 being casual to 10 being committed — how would you **CLASSIFY YOURSELF** as an angler?

	1	2	3	4	5	6	7	8	9	10	
Casual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Committed

4. On a scale of 1 to 9, how would you rate the **LEVEL OF CROWDING** you experience on a typical fishing trip in Idaho (*1 = not crowded and 9 = extremely crowded*)?

	1	2	3	4	5	6	7	8	9	
Not crowded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely crowded

5. Which of the following would you say is your **RACE OR ETHNICITY**?

- | | |
|--|---|
| <input type="radio"/> Asian | <input type="radio"/> Black or African American |
| <input type="radio"/> Indigenous (Native American or Alaskan Native) | <input type="radio"/> Hispanic or Latino |
| <input type="radio"/> Native Hawaiian or other Pacific Islander | <input type="radio"/> White |
| <input type="radio"/> Don't know | <input type="radio"/> Other |

6. What is your current **EMPLOYMENT** status?

- | | | |
|--|--|-------------------------------|
| <input type="radio"/> Full-time employee | <input type="radio"/> Temporary employee | <input type="radio"/> Retired |
| <input type="radio"/> Part-time employee | <input type="radio"/> Unemployed | |

Appendix E. Detailed weighting methodology used to weight/rank survey responses (raking).

Consider a survey of an area where 10% of the residents live in rural communities and 90% live in urban communities. An equal probability selection method sample of size 5,000 residents would yield approximately 500 residents from the rural communities and 4,500 from the urban communities. To obtain a sample yielding estimates of approximately equal precision for both rural and urban characteristics, the population would be divided into rural and urban stratum and 2,500 residents would be selected in each stratum. This causes problems for estimates of the whole target population because now rural residents are over-represented in the sample at five times their rate in the population and urban residents are under-represented at 5/9 their rate in the population. Thus, inferences to the total population would be biased toward the rural residents due to the oversampling of this stratum. To correct for this, weights are introduced to ensure that the rural residents only contribute 10% of the estimate of the population and the urban residents contribute 90% of the estimate.

AOS survey results were weighted to better represent the known age proportions and regional distributions of anglers in Idaho. For example, anglers aged 65-74 comprise 13.6% of the license database, but represent 23.6% of survey responses. Analysis of unweighted survey responses would favor the opinions from this age group over anglers aged 18-34, which represent 28% of the angler population, so responses from anglers 65-74 are given a lower weight. Similarly, the Southwest region of Idaho contains 43.9% of total anglers but only encompasses 13.9% of survey responses, so unweighted responses would under-represent this large proportion of the population. Southwest responses are correspondingly given a higher weight. Raking will simultaneously weight responses by both age and region to make the survey sample proportion similar to the known statewide angling population. This process is done iteratively: first by adjusting the weights of one variable, such as age, so they match the population proportion, then fitting the second variable, region, so it matches the proportion. Fitting that second variable has adjusted the proportions of the first so the weights for age are recalculated and the process will be repeated until the weighting of both variables allows the sample proportion to closely match the given population proportion within a given tolerance. This is usually achieved after a small number of iterations when only two variables are taken into consideration (e.g., Battaglia et al. 2009).

Once sample weights for age and regional population are found using raking, they are applied to all statewide and regional survey question responses. The calculated state-level sample weights are applied to region-level analyses due to the observed deterioration in sample weight quality at the subpopulation level (i.e., sample weight standard errors increase when weights are calculated for a smaller regional population). Using statewide weights provides a sufficiently unbiased estimates of means.

All data analysis procedures were conducted in the proprietary statistical program IBM SPSS (version 29) using the following workflow:

- The process of iterative proportional fitting begins with determining relevant variables to weight on (i.e., region, gender, income, education, employment, etc.). The 2022 AOS used age and administrative region as relevant variables.
- Next, obtain population level data on the chosen variables that corresponds to data within the sample (i.e., you must obtain data on the same variables for both the population and sample). This data was obtained from the IDFG license database.
- For all weighting variables, calculate the population count (N) and the population proportion (%). This was calculated for all Idaho resident fishing license holders 18 years of age or older for the past 5 years (2018 – 2022)

Appendix E (continued)

- For all weight variables, calculate the sample count (n) and the sample proportion (%) from the survey results.
- Create SPSS code for the rake weighting procedure.
- Each “DIM” represents a weighting variable.
- Enter the variable name
- Next, enter the first category indicator
- For instance, Age_BIN7 has 7 categories represented by 1-7 in the code.
- Next, enter the category’s population proportion as a decimal (see Step #2).
- For example, a population proportion of 9.6% will be entered as 0.096
- The “POPTOTAL” represents the working sample size of your dataset.
- Choose the name of your weighting variable and enter that as the “FINAL WEIGHT”.
- Retain the default options under “OPTIONS ITERATIONS”, “CONVERGENCE”, “DELTA”, and “SHOW”.
- SPSSINC RAKE
DIM1=Age_BIN7 1 .096 2 .184 3 .196 4 .165 5 .152 6 .136 7 .070
DIM2=IDFG_Region 1 .153 2 .074 3 .439 4 .104 5 .095 6 .122 7 .013
POPTOTAL=3600
FINALWEIGHT=LicenseWght
/OPTIONS ITERATIONS=250 CONVERGENCE=.0001 DELTA=.0 SHOW=NO.
- Check the SPSS dataset for the new weighting variable you designated.

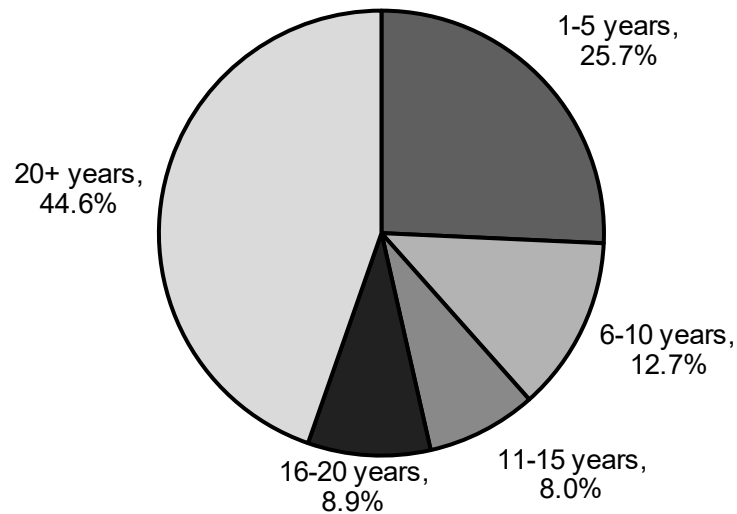
The 2022 AOS population and sample proportions for age and region are shown in the tables below:

Age Category	Age Range	Population (N)	Population proportion (%)	Sample (n)	Sample proportion (%)
1	18-24	46,041	9.6	136	3.8
2	25-34	88,571	18.4	320	8.9
3	35-44	94,317	19.6	515	14.3
4	45-54	79,432	16.5	532	14.8
5	55-64	73,023	15.2	808	22.4
6	65-74	65,386	13.6	850	23.6
7	75+	33,485	7.0	439	12.2

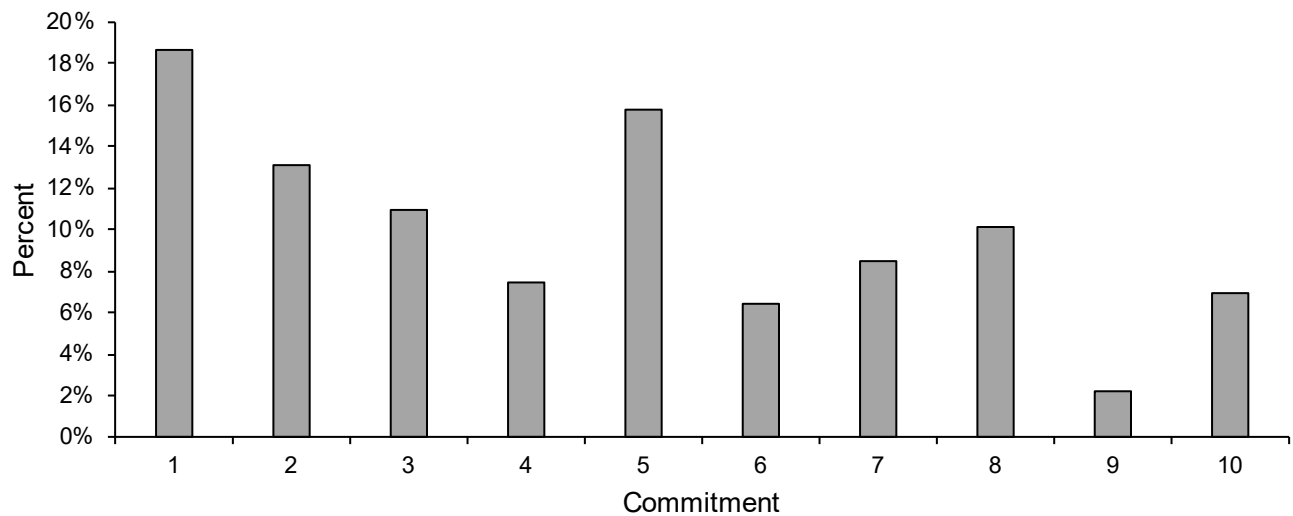
Region Category	Name	Population (N)	Population proportion (%)	Sample (n)	Sample proportion (%)
1	Panhandle	73,613	15.3	471	13.1
2	Clearwater	35,665	7.4	577	16.0
3	Southwest	210,956	43.9	502	13.9
4	Magic Valley	49,876	10.4	502	13.9
5	Southeast	45,498	9.5	532	14.8
6	Upper Snake	58,552	12.2	466	12.9
7	Salmon	6,077	1.3	550	15.3

Appendix F. Survey results for the Panhandle Region. Results are from 471 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.5

Appendix F. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	49.4%	19.4%	10.8%
2	Bass	18.5%	20.9%	11.6%
3	Kokanee	9.0%	14.3%	9.1%
4	Anything that bites	6.9%	6.2%	31.5%
5	Panfish (bluegill, perch, crappie)	3.5%	9.4%	9.5%
6	Steelhead	4.0%	7.4%	6.4%
7	Northern pike, Tiger muskie	2.9%	7.5%	7.7%
8	Walleye	4.0%	6.4%	4.4%
9	Chinook salmon ocean run	0.7%	2.6%	2.3%
10	Catfish, Bullhead	0.2%	2.8%	2.7%
11	Sturgeon	0.5%	0.9%	1.4%
12	Whitefish	0.0%	0.9%	1.9%
13	Coho salmon ocean run	0.4%	0.8%	0.4%
14	Carp, Sucker (other nongame)	0.0%	0.2%	0.4%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

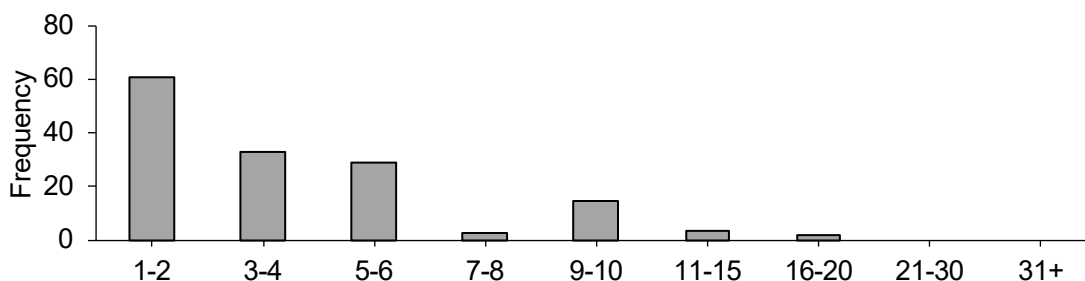
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Lake Pend Oreille	23.7%	16.4%	15.9%
2	Lake Coeur d'Alene	13.4%	17.6%	17.6%
3	Coeur d'Alene River	8.5%	7.6%	4.0%
4	Hayden Lake	5.5%	9.3%	7.0%
5	Saint Joe River	5.8%	6.5%	5.3%
6	Twin Lakes	3.2%	5.1%	6.0%
7	Fernan Lake	4.4%	3.1%	4.3%
8	Priest Lake	3.9%	3.4%	2.7%
9	Coeur d'Alene River North Fork	3.5%	3.7%	2.7%
10	Clearwater River	3.5%	2.5%	5.0%
11	Spirit Lake	2.5%	3.7%	2.3%
12	Kootenai River	3.2%	2.0%	2.3%
13	Dworshak Reservoir	2.8%	2.0%	1.0%
14	Snake River	0.9%	4.5%	2.3%
15	Alpine lakes - backcountry	1.6%	1.7%	2.0%
16	Chain Lakes	0.9%	2.5%	2.3%
17	Kelso Lake	2.1%	0.8%	0.7%
18	Round Lake	1.2%	1.7%	2.3%
19.5	Cocalalla Lake	2.5%	0.0%	0.0%
19.5	Salmon River	1.4%	1.4%	1.7%
21	Hauser Lake	0.9%	1.1%	3.3%
22	Clark Fork River	0.9%	1.4%	2.3%
23	Rose Lake	0.9%	1.1%	2.7%
24	Spokane River	1.2%	0.6%	2.7%
25	Clearwater River North Fork	1.6%	0.0%	1.7%

Appendix F. (continued)

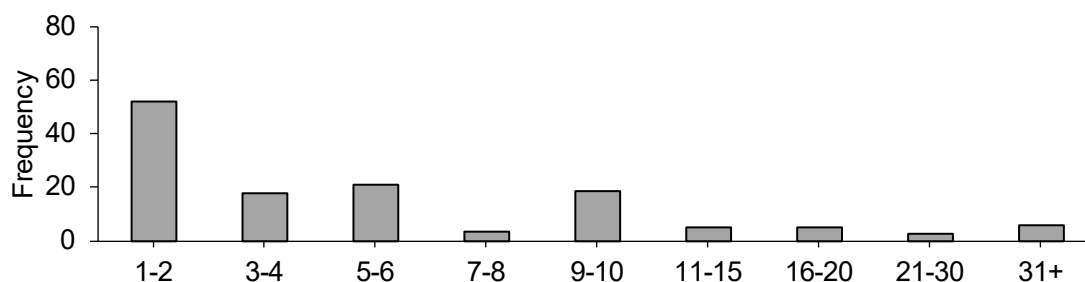
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	4.1	3.7	4.3
Local (community) fishing ponds	8.4	16.0	8.0
Lakes or reservoirs	17.3	25.9	17.3
Rivers or streams	13.9	20.1	12.8

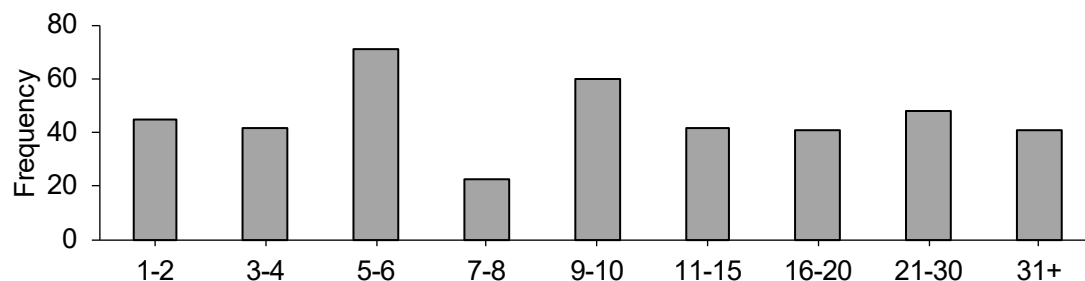
Backcountry Alpine Lake



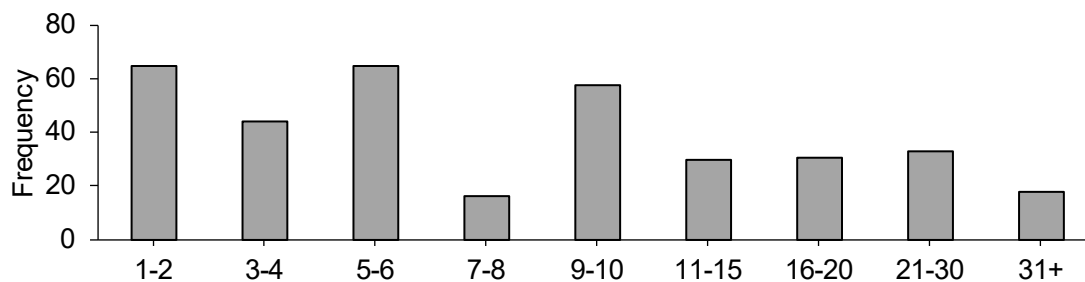
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix F. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

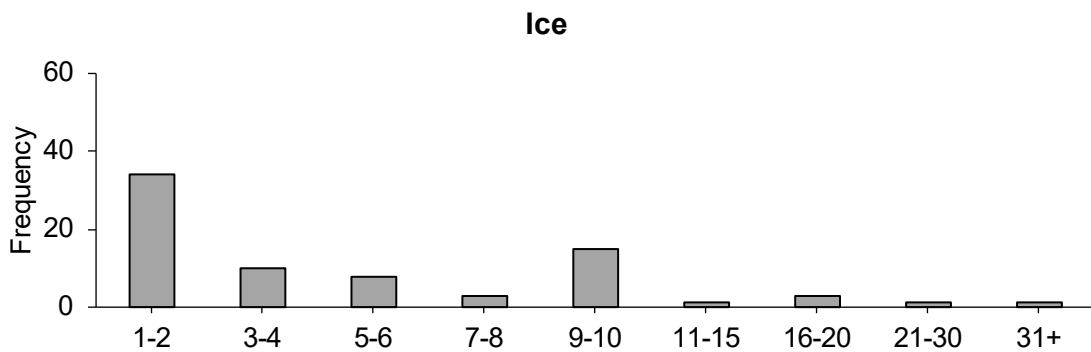
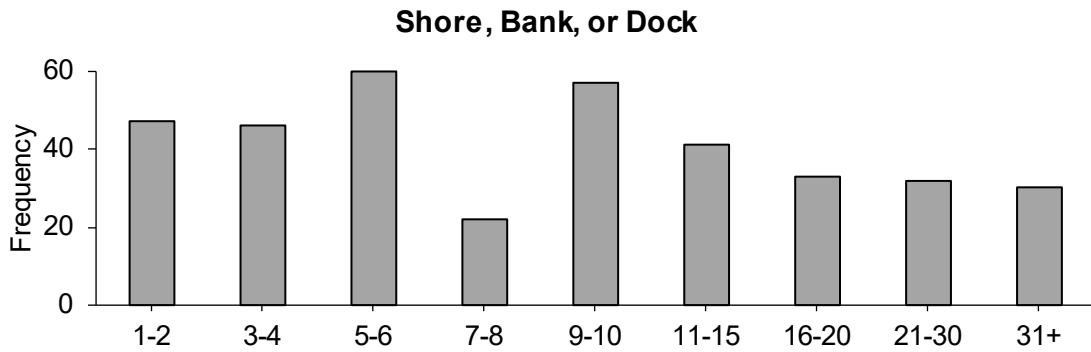
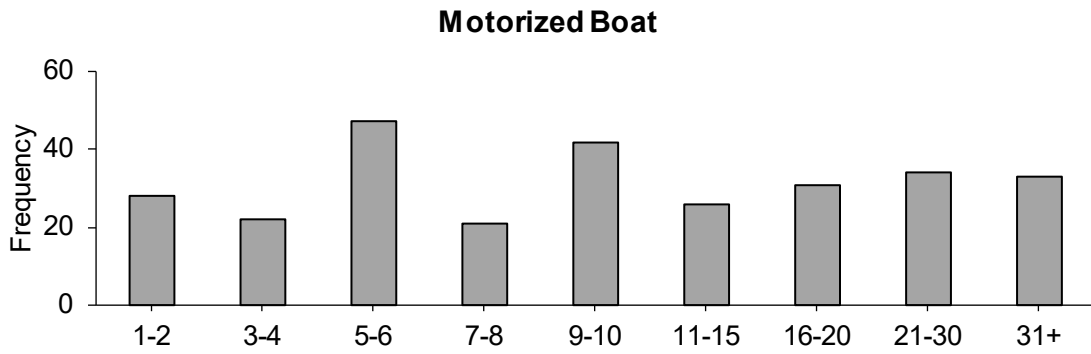
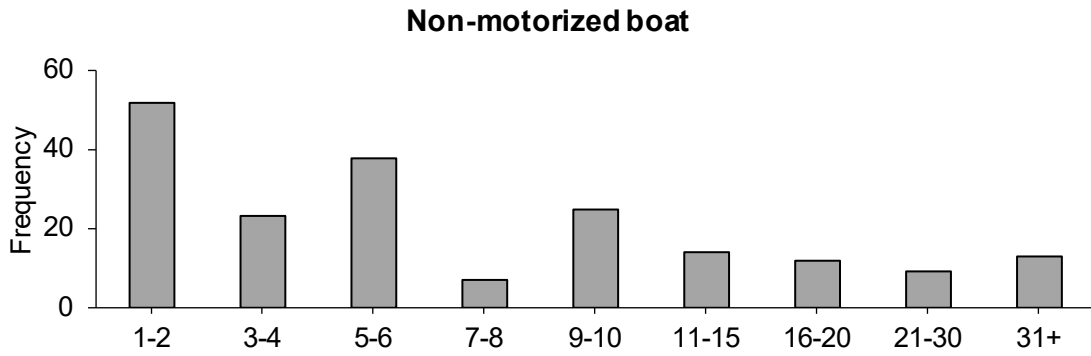
Watercraft	Percent of Cases
Motorboat	65.5%
Kayak	41.1%
Canoe	17.2%
Float tube	14.2%
Stand up paddleboard	8.8%
Raft	8.6%
Drift boat	7.9%
Kick boat	3.1%

Unweighted responses indicate 74% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	16.0	37.2	12.4
Motorized boat	17.7	26.0	18.3
Shore, bank, or dock	14.5	20.7	14.8
Ice	5.9	6.3	5.7

Appendix F. (continued)



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix F. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Lure or spin (artificial)	44.8%	43.2%	8.8%	2.5%
2	Bait	29.3%	43.0%	27.7%	2.5%
3	Fly	23.9%	13.4%	57.0%	5.3%
4	Archery or spearfish	1.9%	0.4%	6.5%	89.7%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	58.5%
2	With friends	24.2%
3	I fish alone	15.9%
4	With guide or outfitter	1.3%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.2	3.0	Maintaining existing fishing access sites
4.1	2.8	Improving fish habitat
3.9	3.0	Managing for native trout fisheries (cutthroat trout)
3.7	2.9	Using scientific information to inform management decisions
3.7	3.0	Managing hatchery-supported trout fisheries
3.7	2.8	Improving existing fishing access sites
3.6	2.9	Managing catch-and-keep trout fisheries
3.6	2.9	Managing for quality/trophy trout in rivers and streams
3.5	2.9	Managing backcountry alpine lake trout fisheries
3.5	2.9	Managing for quality/trophy trout in lakes and reservoirs
3.4	3.0	Managing catch-and-release fisheries
3.4	2.8	Managing native nongame fish
3.3	3.0	Providing general fisheries information
3.2	2.7	Creating new fishing access sites
3.2	2.7	Managing for warm water fisheries (bass, crappie)
2.9	2.8	Managing for quality/trophy bass fisheries
2.8	2.7	Providing quality local (community) pond fishing options
2.3	2.6	Providing classes on how to fish

Analysis of mean excludes blank (0) responses.

Appendix F. (continued)

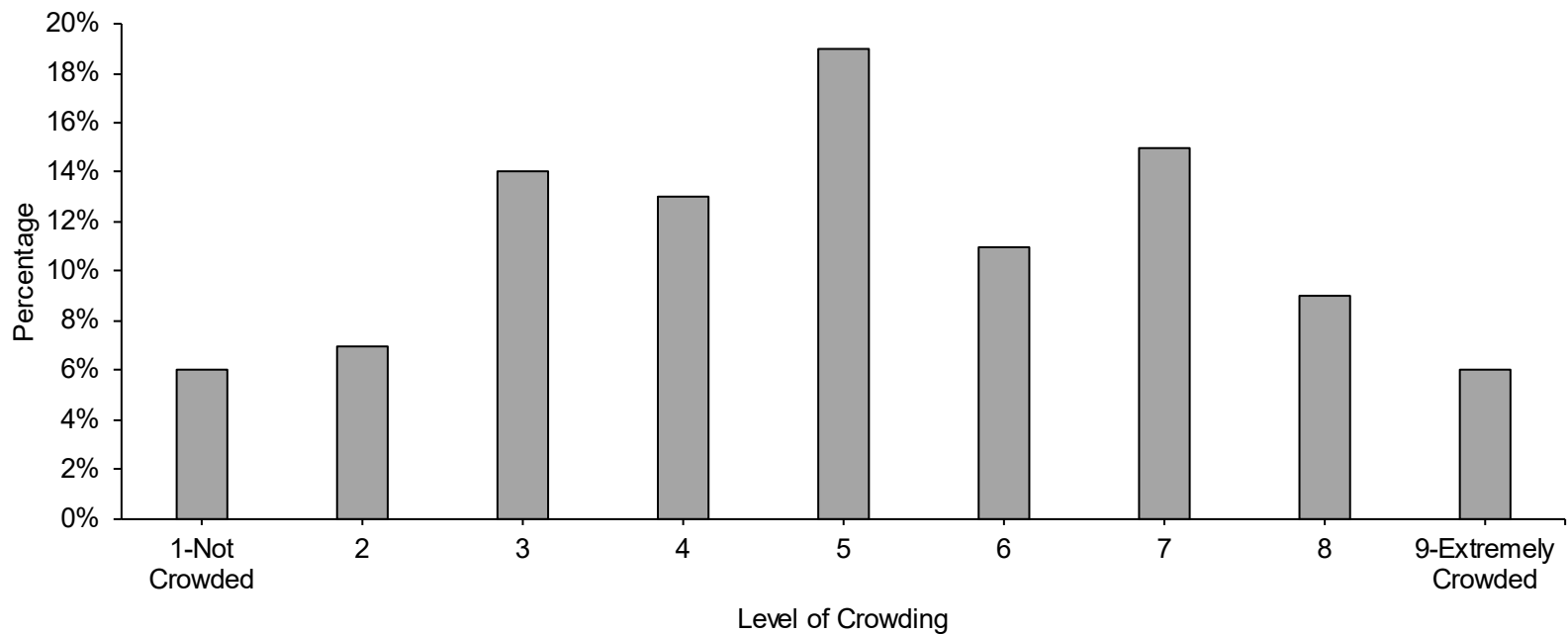
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	2%	2%	5%	12%	50%	27%	1%	4.9
2	The type of fish you catch	1%	4%	5%	16%	52%	19%	3%	4.8
3	Idaho fishing regulations	2%	4%	7%	14%	50%	20%	3%	4.7
4	Access to quality trout lakes/reservoirs	2%	2%	8%	16%	48%	10%	14%	4.6
5	Fish habitat quality	1%	4%	10%	20%	46%	15%	4%	4.6
6	Idaho license fee cost	4%	4%	7%	15%	45%	22%	3%	4.6
7	Access to quality trout streams	2%	3%	10%	16%	45%	9%	14%	4.5
8	Access to public fishing areas	3%	4%	9%	18%	52%	10%	6%	4.5
9	Water quality	3%	4%	12%	17%	42%	19%	3%	4.5
10	IDFG fishing access sites	3%	3%	10%	20%	44%	6%	14%	4.4
11	The size of the fish you catch	2%	6%	10%	22%	44%	13%	3%	4.4
12	Access to trophy-quality fishing areas	4%	4%	10%	19%	36%	7%	20%	4.3
13	The number of anglers on watercraft	3%	4%	11%	15%	48%	5%	13%	4.3
14	The number of anglers on the water	3%	5%	10%	17%	49%	5%	11%	4.3
15	The number of anglers on the shore/bank	2%	4%	11%	19%	47%	5%	12%	4.3
16	The number of fish you catch	3%	8%	12%	18%	41%	14%	4%	4.3
17	The number of IDFG boat ramps	3%	5%	11%	20%	33%	6%	21%	4.2
18	The number of IDFG fishing access sites	2%	4%	15%	21%	36%	5%	17%	4.2
19	Access to ocean-run salmon/steelhead fisheries	4%	5%	7%	16%	26%	5%	37%	4.1
20	The number of non-anglers on shore/bank	4%	7%	14%	16%	41%	3%	16%	4.1
21	Parking at IDFG fishing and boating access sites	4%	10%	14%	14%	36%	5%	16%	4.0
22	Traffic at IDFG fishing and boating access sites	6%	9%	15%	17%	30%	5%	19%	3.9
23	The number of non-anglers on the water	9%	11%	17%	15%	30%	3%	13%	3.6
24	The number of non-anglers on watercraft	12%	14%	20%	11%	28%	2%	13%	3.4

Table is ranked from highest to lowest satisfaction. Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix F. (continued)

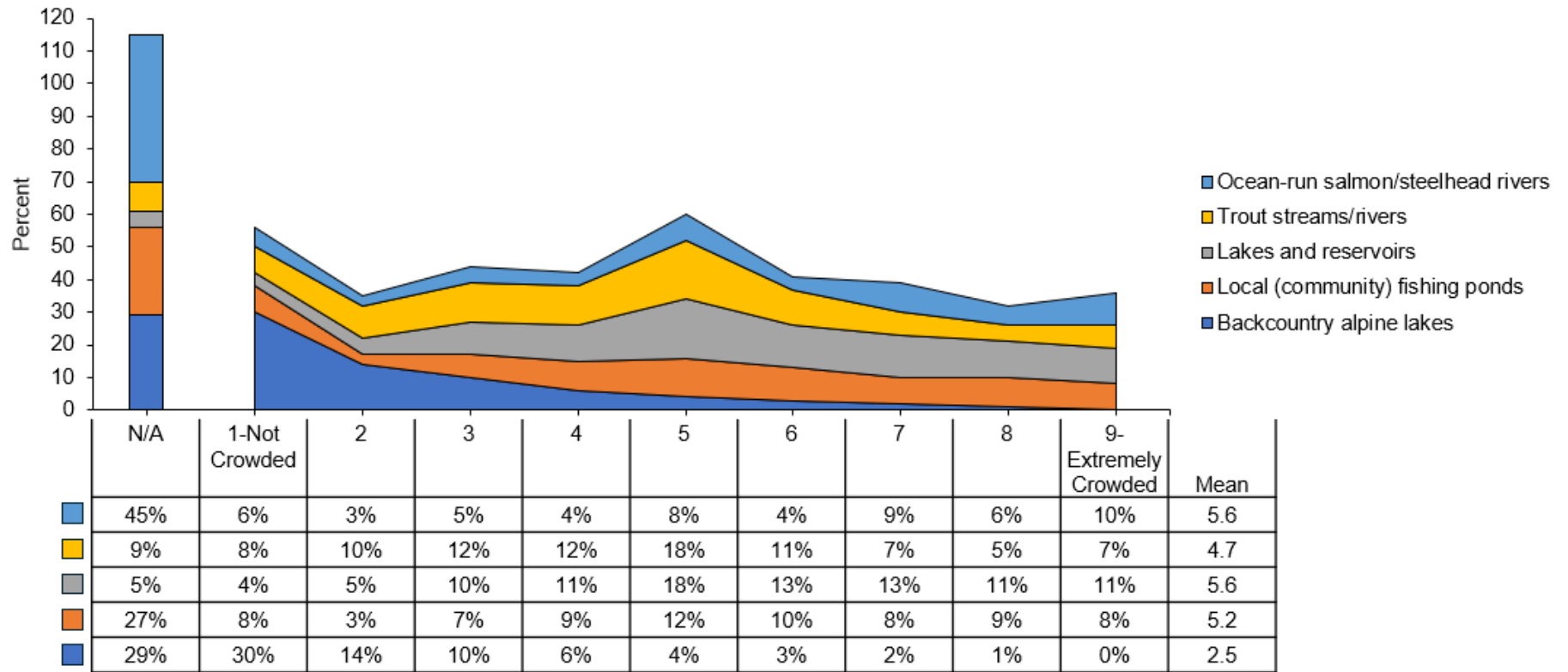
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 5.1 excluding blank responses.

Appendix F. (continued)

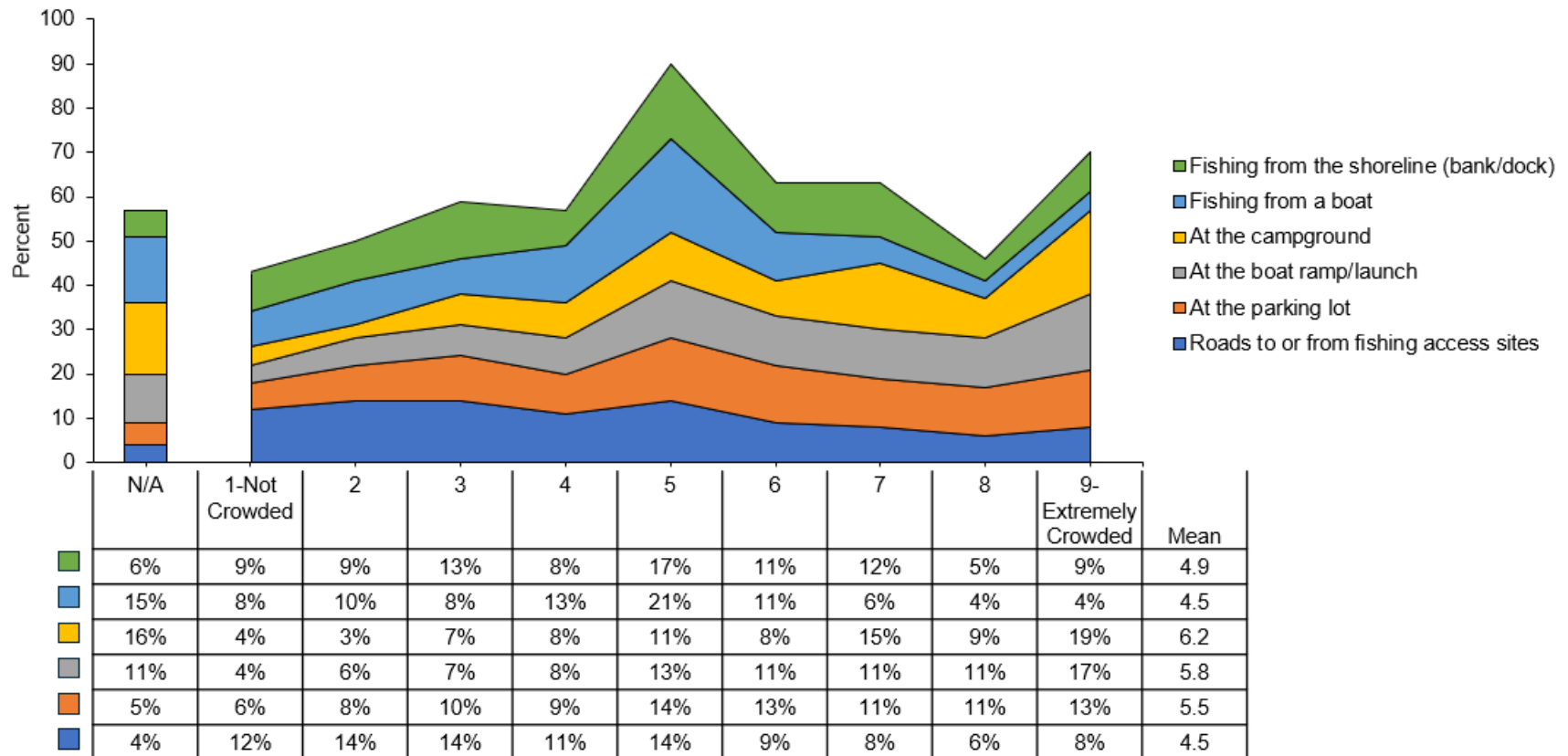
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix F. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix F. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	32.4
I fish on different days	22.6
I fish earlier or later in the day	18.1
I fish at different waterbodies	17.1
I stopped fishing	8.8
I fish for different species	1.1

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Non-anglers in motorized boats	45.3
Other anglers on the shore or wading	18.4
Other anglers in motorized boats	16.4
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	14.0
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	3.9
Guides and outfitters	1.9

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	11%	13%	31%	35%	10%
Limit IDFG access sites to license holders only	9%	15%	35%	30%	12%
Daily fishing fees required on high-use waters	33%	35%	12%	5%	14%
Lottery draw with limited fishing permits on high-use waters	32%	38%	12%	4%	14%

Highlighted rows indicate the majority response.

Appendix F. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	68.7
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	31.3

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is one of the most enjoyable things I do	2%	4%	9%	28%	33%	24%	4.6
2	Fishing is very important to me	1%	7%	9%	27%	32%	24%	4.5
3	Most of my friends are in some way connected with fishing	5%	17%	13%	28%	29%	9%	3.8
4	Participating in fishing says a lot about whom I am	8%	20%	10%	26%	25%	11%	3.7
5	Fishing occupies a central role in my life	12%	25%	16%	26%	14%	7%	3.3
6	Much of my life is organized around fishing	13%	29%	17%	23%	13%	5%	3.1

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix F. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To be outdoors	0%	1%	9%	36%	54%	4.4
2	To enjoy nature	0%	1%	8%	39%	52%	4.4
3	To get away from people	4%	8%	21%	33%	34%	3.8
4	To be with friends	6%	12%	24%	39%	19%	3.5
5	To develop my skills	12%	21%	35%	23%	9%	3.0
6	To catch wild fish	18%	17%	28%	25%	11%	2.9
7	To catch native fish	21%	23%	29%	21%	6%	2.7
8	To catch big fish	19%	22%	38%	15%	6%	2.7
9	To catch fresh fish for meal	26%	21%	22%	23%	8%	2.7
10	To test my equipment	32%	29%	27%	9%	3%	2.2
11	To catch as many fish as possible	38%	26%	24%	8%	4%	2.1
12	To be part of a group	45%	19%	24%	8%	4%	2.0
13	To stock the freezer for off-season	54%	18%	16%	9%	3%	1.9
14	To catch hatchery fish	49%	24%	21%	5%	1%	1.9

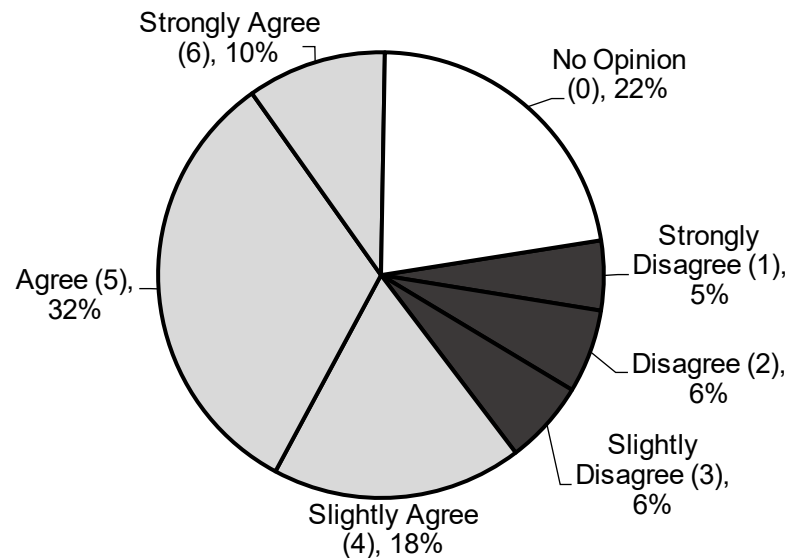
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	80.4
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	19.6

Appendix F. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 4.3 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	93.8
Yes	6.2

Appendix F. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	7%	4%	4%	15%	31%	13%	25%	4.3
2	Trophy fishing in large lakes	6%	7%	5%	16%	29%	10%	27%	4.2
3	Bass in rivers	7%	8%	6%	17%	25%	8%	29%	4.0
4	Hatchery-supported trout waters	8%	8%	9%	14%	26%	7%	29%	3.9
5	Kokanee in large lakes	9%	10%	5%	15%	25%	7%	29%	3.8
6	Chinook Salmon on large rivers using boats	13%	12%	6%	15%	20%	5%	29%	3.5
7	Quality trout waters	14%	12%	7%	13%	21%	6%	26%	3.4
8	Steelhead on large rivers using boats	15%	10%	7%	13%	20%	4%	30%	3.4
9	Catch-and-release trout waters	16%	13%	8%	11%	19%	6%	27%	3.3
10	Backcountry trout waters	27%	17%	6%	9%	11%	4%	26%	2.6

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean ≥ 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	1%	1%	36%	8%	10%	33%	4%	7%
Rules	1%	1%	39%	5%	12%	22%	2%	18%
Reminders	1%	1%	13%	2%	16%	46%	12%	9%
Information articles	1%	1%	32%	13%	12%	34%	2%	5%
Opinion surveys	2%	2%	25%	3%	17%	43%	3%	5%

Appendix F. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	2%	27%	58%	4%			4.5
2	In general, the procedures IDFG uses to make decisions are fair to anglers	3%	2%	7%	33%	52%	3%	4.4
3	As an angler, I can freely express my points of view to IDFG decision makers	4%	6%		14%	34%	40%	4.3
4	I think IDFG decision makers have anglers' best interests in mind	3%	5%		18%	34%	28%	4.2
5	I think IDFG decision makers act in the interest of some groups over others	4%	8%		15%	32%	34%	4.0
6	As an angler, my opinion influences a decision maker similar to the influence of others	6%	12%	15%	32%	34%	2%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Thinks it is important to do the right thing for Idaho's fisheries	2%	4%	5%	25%	52%	12%	4.6
2	Has the knowledge necessary to manage Idaho's fisheries	1%	4%	7%	24%	54%	10%	4.6
3	Can manage Idaho's fisheries	2%	3%	7%	27%	55%	6%	4.5
4	Has integrity in its management of Idaho's fisheries	3%	3%	6%	31%	49%	9%	4.5
5	Is generally competent in their management of Idaho's fisheries	3%	2%	9%	27%	54%	5%	4.4
6	Cares about anglers like me	3%	5%	12%	28%	44%	7%	4.3
7	Cares about the concerns that are important to anglers	3%	7%	10%	29%	45%	6%	4.3
8	Is concerned about the effects its decisions have on anglers	4%	6%	11%	27%	45%	7%	4.2
9	Would be honest with anglers if it managed fisheries poorly	7%	15%	16%	27%	30%	5%	3.7

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix F. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	91.9
Other	3.4
Hispanic or Latino	1.9
Don't know	1.6
Native Hawaiian or other Pacific Islander	0.7
Indigenous (Native American or Alaskan native)	0.6

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	2.7
High school graduate	35.5
Two-year college degree	18.1
Four-year college degree	21.8
Vocational/trade school	10.7
Graduate/professional degree	11.1

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	5.5
\$20,000 - \$49,999	20.5
\$50,000 - \$99,999	23.8
\$75,000 - \$99,999	14.1
\$100,000 - \$149,999	23.2
\$150,000 - \$199,999	5.4
Greater than \$200,000	7.6

Appendix F. (continued)

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	53.2
Retired	26.1
Part-time employee	6.0
Unemployed	4.2
Temporary employee	1.0

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	68.4
1	14.3
2	12.4
3	3.1
4	1.4
5+	0.3

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

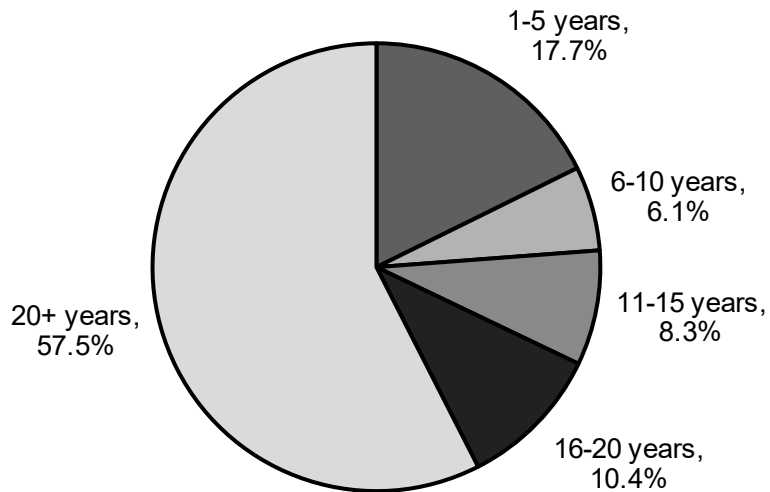
Children	Percent of cases
New angler under the age of 14	87.3%
New angler over the age of 14	14.1%
Someone who has not fished in a few years	22.5%

Note: This question was not weighted by age or region due to low response rate (30%). Results are from mail survey responses only.

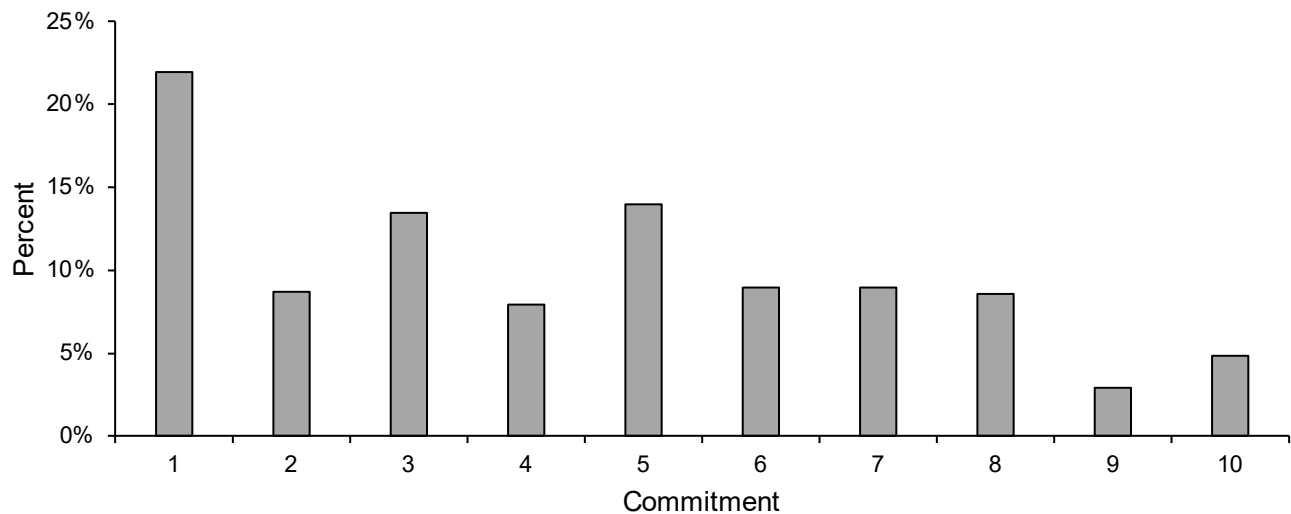
Appendix G. Survey results for the Clearwater Region

Results are from 577 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.4

Appendix G. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	41.5%	18.3%	14.9%
2	Bass	21.5%	20.7%	14.0%
3	Steelhead	12.1%	19.9%	13.6%
4	Anything that bites	5.7%	4.8%	21.5%
5	Chinook salmon ocean run	7.5%	7.6%	7.0%
6	Kokanee	4.5%	10.0%	4.5%
7	Panfish (bluegill, perch, crappie)	3.4%	9.2%	7.4%
8	Catfish, Bullhead	1.1%	4.4%	4.5%
9	Sturgeon	0.8%	2.0%	4.1%
10	Coho salmon ocean run	0.4%	0.4%	4.1%
11	Walleye	0.8%	0.8%	1.2%
12	Northern pike, Tiger muskie	0.4%	1.2%	1.2%
13	Carp, Sucker (other nongame)	0.4%	0.4%	0.4%
14	Whitefish	0.0%	0.4%	1.2%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

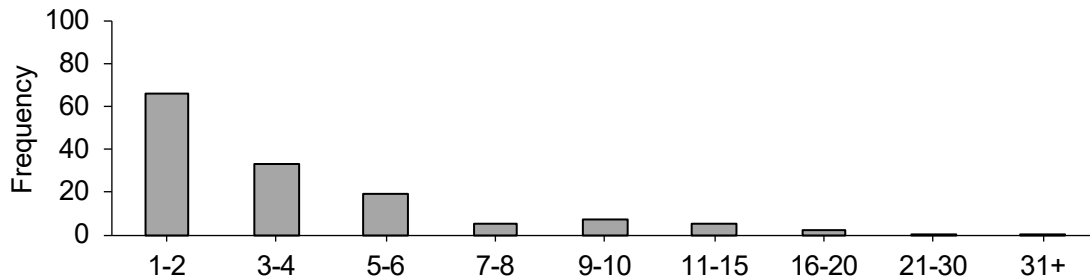
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Dworshak Reservoir	20.4%	15.8%	15.3%
2	Clearwater River	17.4%	20.5%	15.3%
3	Snake River	12.6%	15.8%	11.8%
4	Winchester Lake	8.3%	6.3%	5.3%
5	Salmon River	7.4%	6.3%	5.3%
6	Clearwater River North Fork	8.3%	0.0%	4.1%
7	Spring Valley Reservoir	3.5%	4.7%	5.3%
8	Saint Joe River	2.2%	4.7%	2.9%
9	Moose Creek Reservoir	2.2%	4.2%	2.9%
10	Lochsa River	2.2%	2.6%	4.7%
11	Clearwater River South Fork	1.7%	3.2%	1.8%
12	Elk Creek Reservoir	1.7%	2.6%	2.4%
13	Selway River	1.3%	2.6%	3.5%
14	Deyo Reservoir	0.9%	2.6%	2.4%
15.5	Any stream	1.3%	1.1%	2.4%
15.5	Lake Coeur d'Alene	0.9%	1.6%	2.9%
17.5	Mann Lake	0.9%	1.6%	1.8%
17.5	Alpine lakes - backcountry	0.9%	1.1%	2.9%
19	Deer Creek Reservoir	0.9%	1.1%	2.4%
20	Kelly Creek	0.9%	1.1%	0.6%
21	Lake Waha	0.9%	0.5%	0.6%
22.5	Little Salmon River	0.9%	0.0%	1.2%
22.5	Cascade Reservoir	0.9%	0.0%	1.2%
24.5	Lake Pend Oreille	0.9%	0.0%	0.6%
24.5	Coeur d'Alene River	0.9%	0.0%	0.6%

Appendix G. (continued)

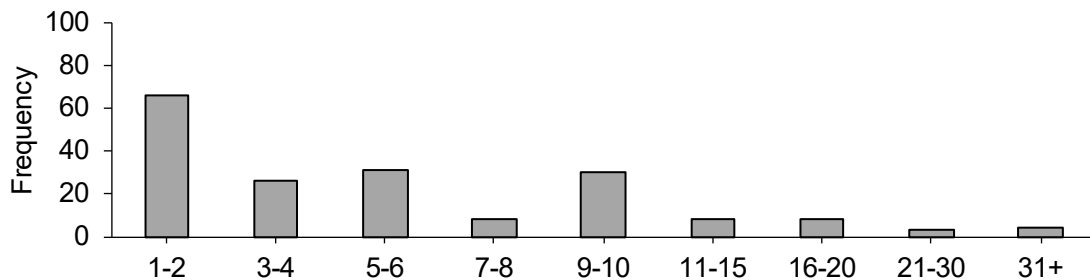
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	4.2	4.9	4.5
Local (community) fishing ponds	7.2	10.6	7.5
Lakes or reservoirs	12.8	22.7	13.1
Rivers or streams	17.3	23.8	17.3

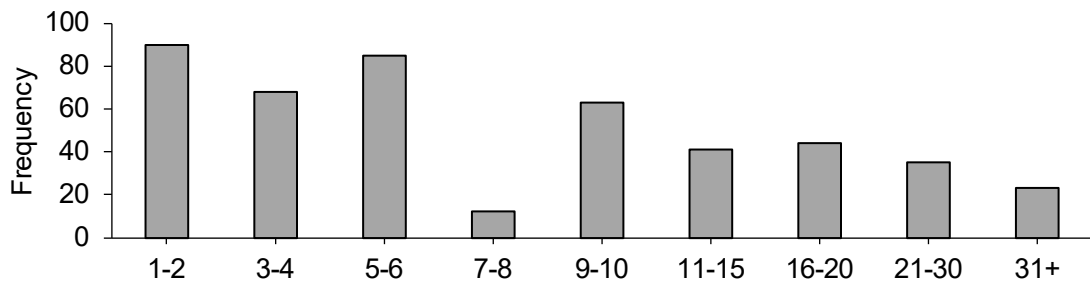
Backcountry Alpine Lake



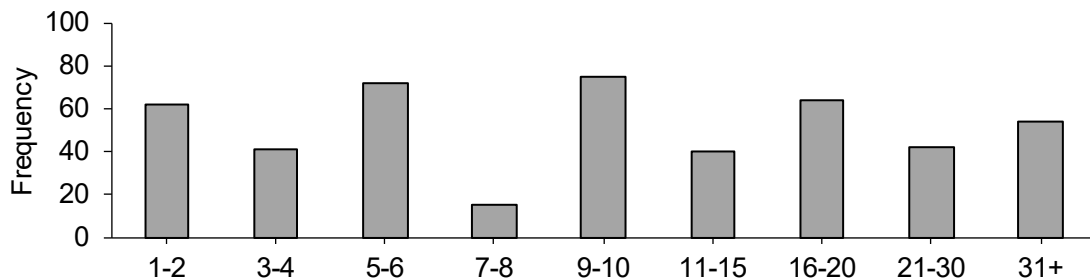
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix G. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

Watercraft	Percent of Cases
Motorboat	58.0%
Kayak	26.4%
Float tube	23.2%
Raft	18.9%
Canoe	16.5%
Drift boat	13.9%
Stand up paddleboard	8.9%
Kick boat	3.4%

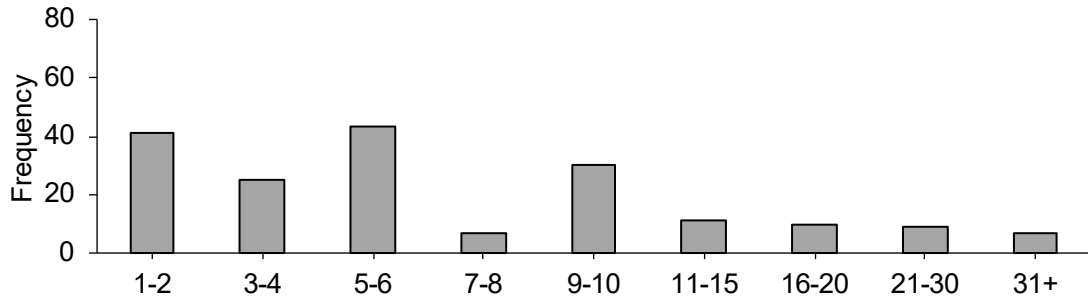
Unweighted responses indicate 60% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

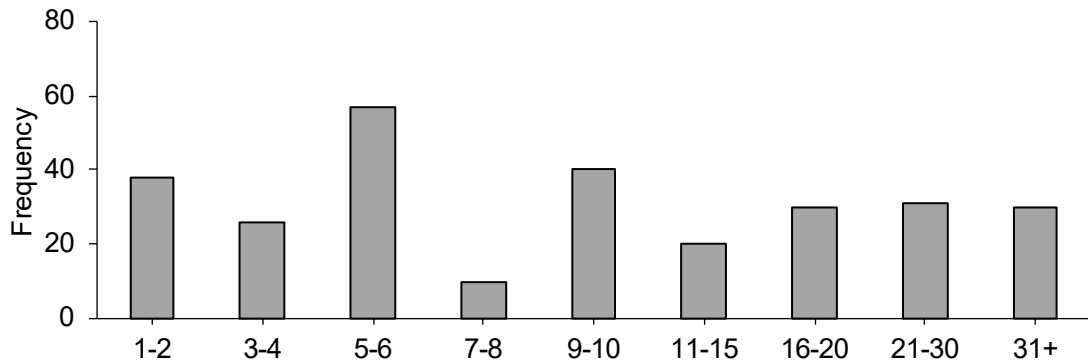
	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	9.3	12.2	9.4
Motorized boat	17.0	25.7	17.7
Shore, bank, or dock	18.4	26.7	17.8
Ice	4.7	5.8	4.9

Appendix G. (continued)

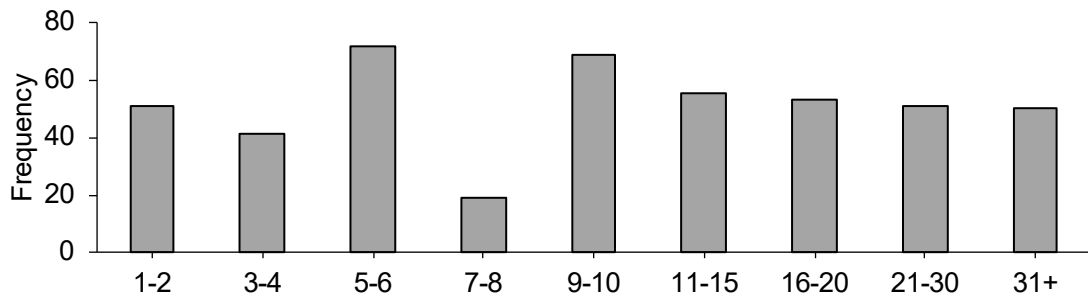
Non-motorized boat



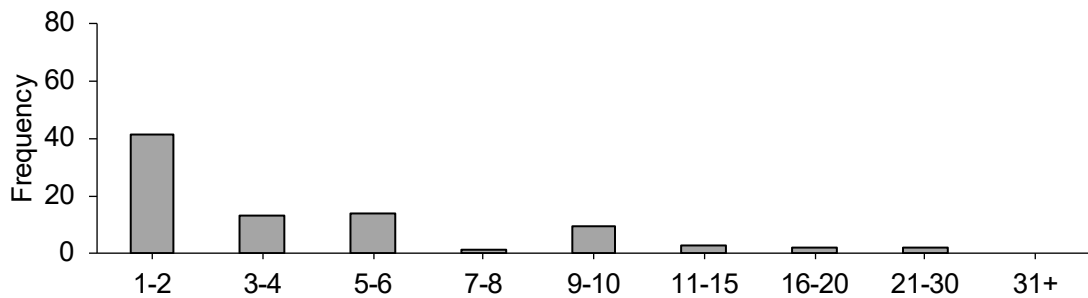
Motorized Boat



Shore, Bank, or Dock



Ice



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix G. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Lure or spin (artificial)	43.6%	43.9%	12.4%	0.5%
2	Bait	34.8%	43.9%	22.7%	2.2%
3	Fly	20.4%	11.8%	55.7%	8.7%
4	Archery or spearfish	1.2%	0.5%	9.3%	88.6%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	59.8%
2	With friends	25.5%
3	I fish alone	14.3%
4	With guide or outfitter	0.4%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.0	3.0	Maintaining existing fishing access sites
4.0	2.9	Improving fish habitat
3.8	2.9	Managing for native trout fisheries (cutthroat trout)
3.7	2.9	Using scientific information to inform management decisions
3.6	2.8	Improving existing fishing access sites
3.5	3.0	Managing catch-and-keep trout fisheries
3.5	3.0	Managing hatchery-supported trout fisheries
3.4	2.8	Managing for quality/trophy trout in rivers and streams
3.3	2.8	Managing backcountry alpine lake trout fisheries
3.2	2.9	Managing catch-and-release fisheries
3.2	2.9	Managing for quality/trophy trout in lakes and reservoirs
3.2	3.0	Providing general fisheries information
3.2	2.8	Managing native nongame fish
3.1	2.7	Creating new fishing access sites
3.0	2.7	Managing for warm water fisheries (bass, crappie)
2.9	2.9	Providing quality local (community) pond fishing options
2.9	2.8	Managing for quality/trophy bass fisheries
2.1	2.6	Providing classes on how to fish

Appendix G. (continued)

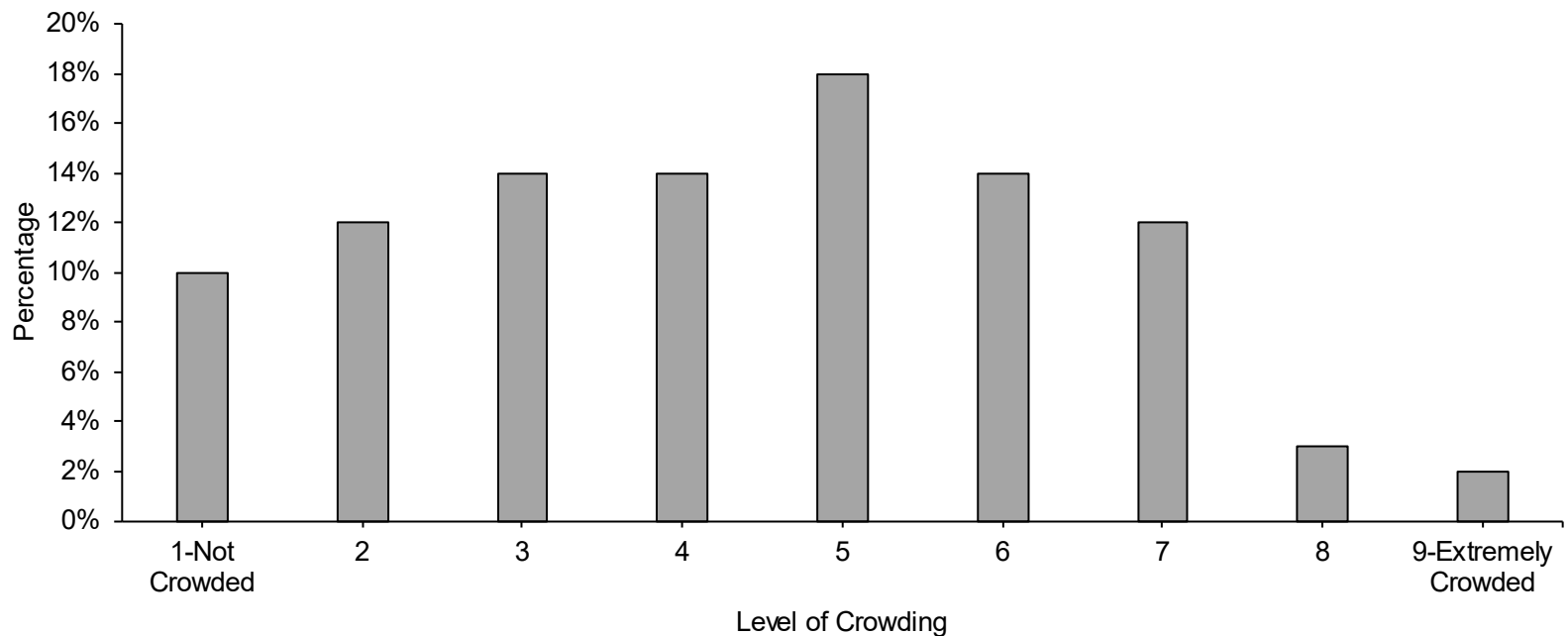
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	1%	2%	5%	13%	51%	25%	3%	4.9
2	Access to public fishing areas	1%	1%	5%	13%	59%	14%	6%	4.8
3	The type of fish you catch	2%	2%	7%	17%	51%	18%	5%	4.7
4	Water quality	2%	4%	9%	16%	47%	19%	3%	4.7
5	Access to quality trout lakes/reservoirs	1%	2%	6%	18%	50%	11%	12%	4.7
6	Fish habitat quality	1%	2%	8%	21%	49%	14%	5%	4.6
7	Idaho fishing regulations	2%	4%	8%	14%	53%	15%	5%	4.6
8	Idaho license fee cost	2%	5%	8%	15%	48%	18%	4%	4.6
9	Access to quality trout streams	1%	2%	7%	18%	47%	11%	13%	4.6
10	IDFG fishing access sites	1%	3%	6%	16%	50%	8%	16%	4.6
11	The size of the fish you catch	2%	4%	10%	18%	48%	13%	4%	4.5
12	The number of fish you catch	3%	3%	12%	18%	46%	13%	4%	4.5
13	The number of IDFG fishing access sites	1%	3%	6%	19%	47%	6%	17%	4.5
14	Access to ocean-run salmon/steelhead fisheries	2%	4%	6%	16%	42%	9%	23%	4.5
15	Parking at IDFG fishing and boating access sites	2%	4%	7%	16%	45%	7%	19%	4.5
16	Access to trophy-quality fishing areas	1%	4%	7%	18%	43%	6%	21%	4.5
17	The number of IDFG boat ramps	1%	4%	8%	13%	44%	7%	25%	4.5
18	The number of non-anglers on shore/bank	1%	3%	10%	14%	46%	5%	21%	4.5
19	Traffic at IDFG fishing and boating access sites	2%	4%	7%	15%	45%	5%	22%	4.5
20	The number of anglers on the shore/bank	1%	3%	11%	16%	49%	5%	15%	4.4
21	The number of anglers on the water	1%	3%	10%	19%	47%	4%	15%	4.4
22	The number of anglers on watercraft	2%	2%	12%	18%	46%	3%	18%	4.4
23	The number of non-anglers on the water	2%	3%	13%	15%	42%	4%	21%	4.3
24	The number of non-anglers on watercraft	3%	5%	13%	12%	43%	4%	20%	4.2

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix G. (continued)

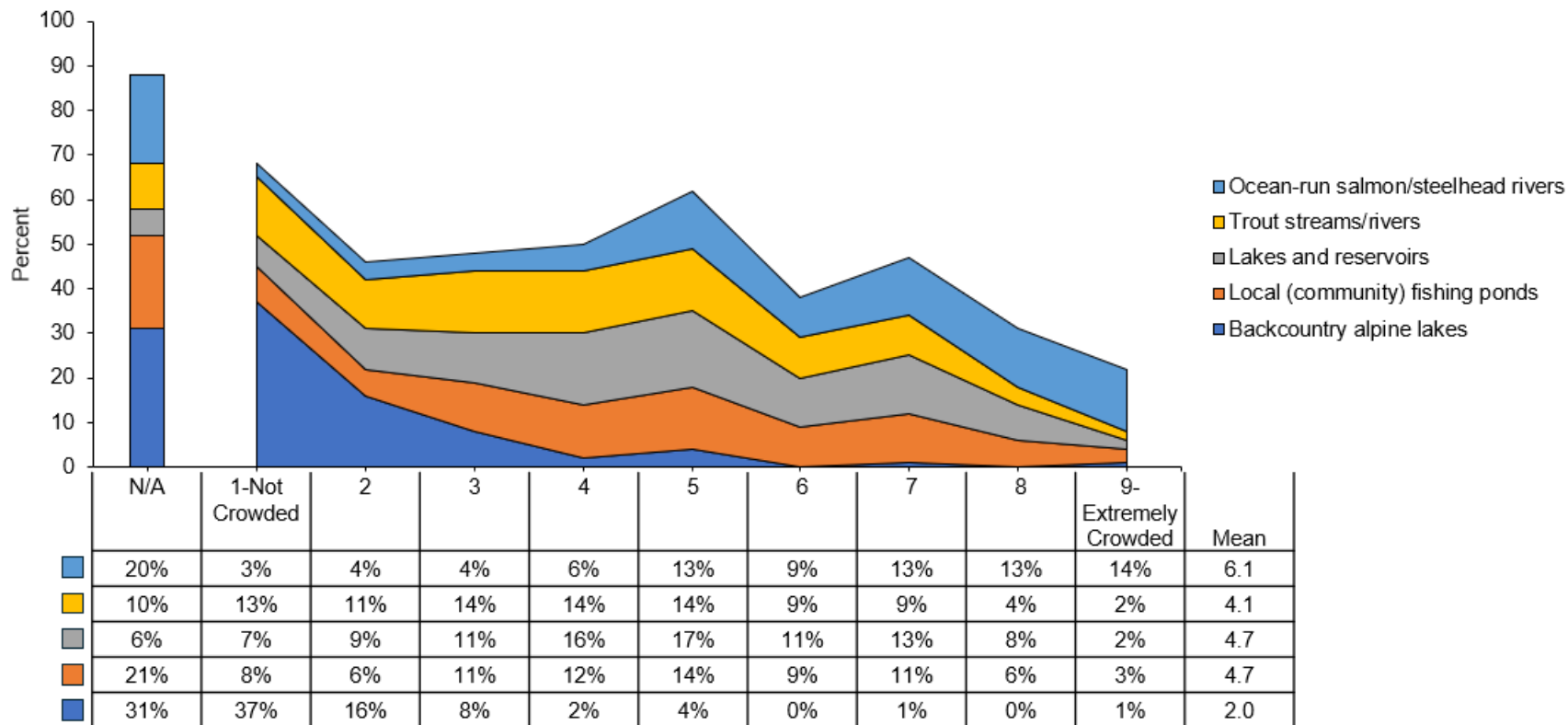
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 4.4 excluding blank responses.

Appendix G. (continued)

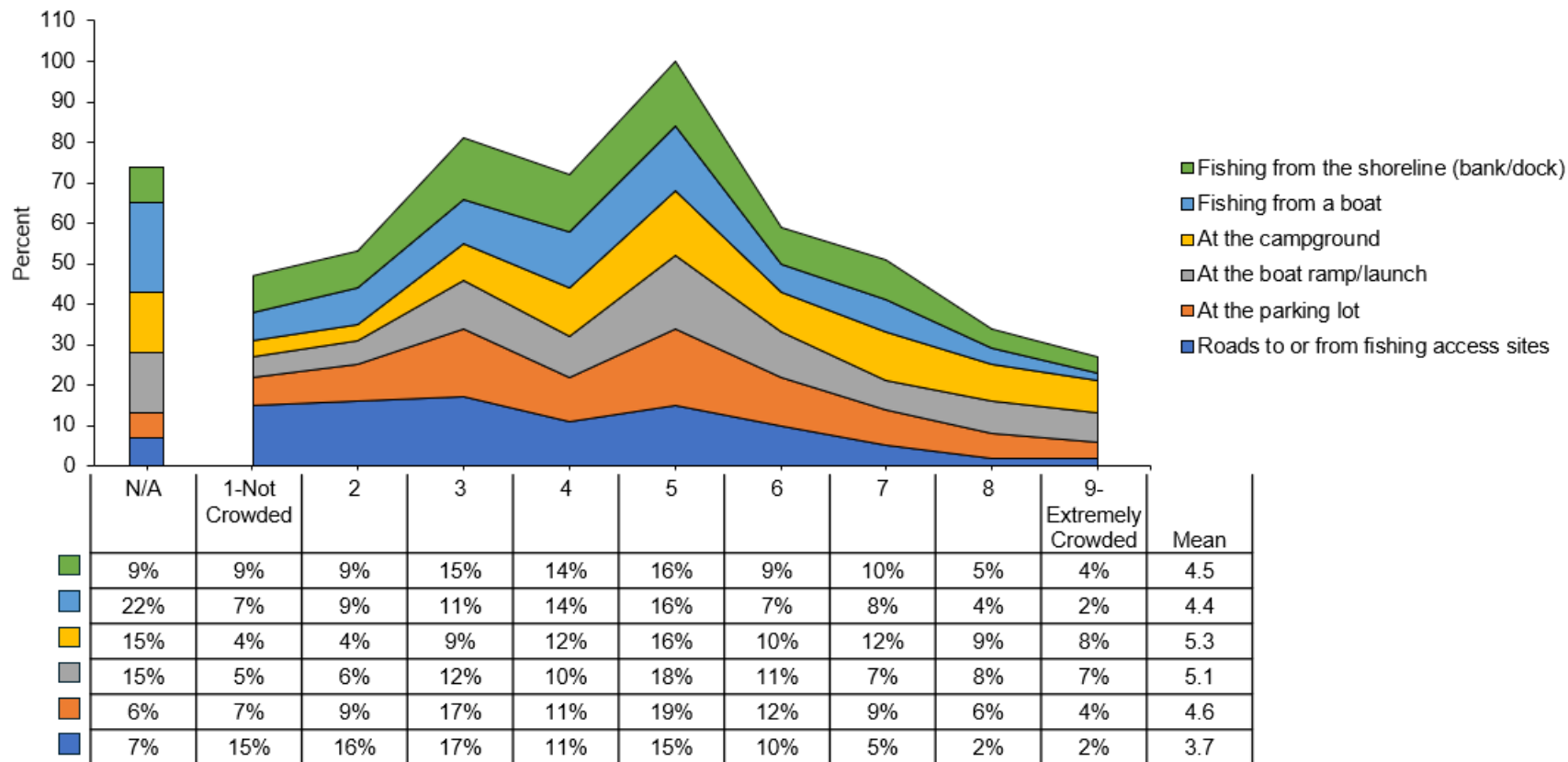
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix G. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix G. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	45.8
I fish on different days	23.2
I fish earlier or later in the day	13.1
I fish at different waterbodies	11.5
I stopped fishing	4.9
I fish for different species	1.4

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Other anglers on the shore or wading	37.7
Other anglers in motorized boats	22.3
Non-anglers in motorized boats	14.7
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	12.1
Guides and outfitters	9.2
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	4.0

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	12%	19%	32%	23%	14%
Limit IDFG access sites to license holders only	12%	19%	35%	17%	18%
Lottery draw with limited fishing permits on high-use waters	39%	27%	12%	4%	18%
Daily fishing fees required on high-use waters	40%	31%	10%	4%	15%

Highlighted rows indicate the majority response.

Appendix G. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	58.6
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	41.4

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is one of the most enjoyable things I do	4%	7%	7%	27%	32%	23%	4.4
2	Fishing is very important to me	6%	5%	7%	26%	33%	22%	4.4
3	Most of my friends are in some way connected with fishing	8%	18%	18%	23%	26%	7%	3.6
4	Participating in fishing says a lot about whom I am	11%	19%	14%	25%	22%	9%	3.6
5	Fishing occupies a central role in my life	15%	23%	16%	24%	14%	7%	3.2
6	Much of my life is organized around fishing	18%	31%	14%	21%	11%	5%	2.9

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix G. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To be outdoors	1%	1%	8%	42%	48%	4.4
2	To enjoy nature	1%	1%	10%	41%	47%	4.3
3	To get away from people	10%	8%	24%	31%	27%	3.6
4	To be with friends	8%	10%	29%	31%	22%	3.5
5	To develop my skills	17%	20%	31%	21%	10%	2.9
6	To catch fresh fish for meal	21%	19%	30%	18%	12%	2.8
7	To catch big fish	19%	22%	36%	16%	7%	2.7
8	To catch native fish	27%	19%	30%	17%	8%	2.6
9	To catch wild fish	27%	17%	30%	19%	7%	2.6
10	To test my equipment	31%	28%	29%	9%	3%	2.2
11	To be part of a group	43%	21%	25%	7%	4%	2.1
12	To catch as many fish as possible	40%	24%	24%	8%	3%	2.1
13	To catch hatchery fish	45%	17%	27%	9%	2%	2.0
14	To stock the freezer for off-season	50%	19%	17%	7%	7%	2.0

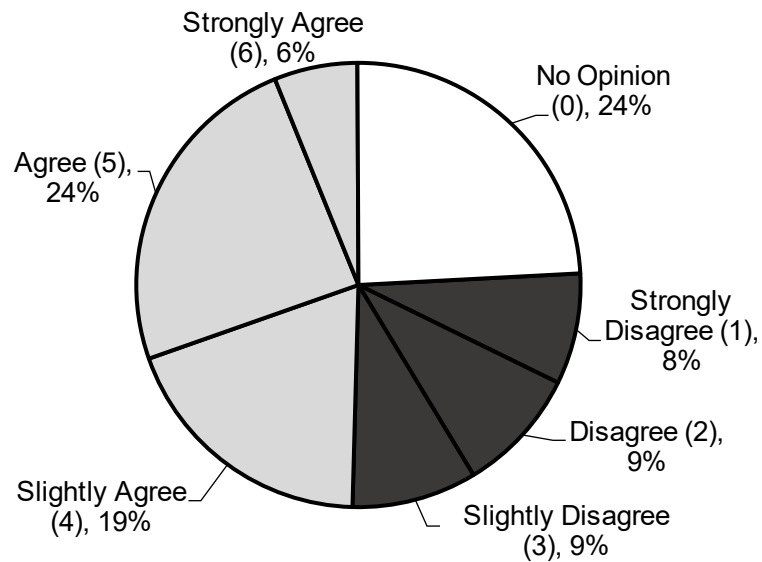
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	80.3
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	19.7

Appendix G. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 3.8 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	93.5
Yes	6.5

Appendix G. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	6%	6%	7%	17%	29%	10%	25%	4.2
2	Bass in rivers	7%	7%	10%	15%	26%	8%	26%	4.0
3	Trophy fishing in large lakes	8%	8%	10%	18%	26%	4%	26%	3.8
4	Hatchery-supported trout waters	7%	9%	12%	19%	24%	4%	26%	3.7
5	Kokanee in large lakes	8%	11%	11%	17%	22%	3%	28%	3.6
6	Steelhead on large rivers using boats	14%	15%	6%	16%	20%	3%	26%	3.3
7	Catch-and-release trout waters	16%	14%	10%	14%	16%	4%	25%	3.2
8	Quality trout waters	17%	12%	13%	14%	15%	5%	25%	3.2
9	Chinook Salmon on large rivers using boats	16%	14%	9%	15%	16%	3%	27%	3.1
10	Backcountry trout waters	27%	18%	8%	11%	8%	2%	26%	2.5

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean ≥ 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	1%	1%	38%	14%	8%	27%	3%	8%
Rules	2%	0%	38%	5%	11%	20%	2%	22%
Reminders	1%	0%	16%	5%	16%	47%	8%	7%
Information articles	1%	1%	41%	17%	7%	28%	0%	6%
Opinion surveys	4%	1%	26%	7%	14%	39%	1%	7%

Appendix G. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
		1			24	58		
1.5	In general, the procedures IDFG uses to make decisions are fair to anglers	%	3%	8%	%	%	6%	4.5
1.5	In general, IDFG has been fair in their dealings with anglers	%	3%	8%	%	%	5%	4.5
3	As an angler, I can freely express my points of view to IDFG decision makers	%	4%	%	%	%	7%	4.4
4	I think IDFG decision makers have anglers' best interests in mind	%	5%	%	%	%	5%	4.2
5	I think IDFG decision makers act in the interest of some groups over others	%	%	%	%	%	%	4.1
6	As an angler, my opinion influences a decision maker similar to the influence of others	5	12	17	32	31		
		%	%	%	%	%	3%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	1%	2%	5%	24%	62%	7%	4.6
2	Thinks it is important to do the right thing for Idaho's fisheries	1%	3%	6%	24%	56%	11%	4.6
3	Can manage Idaho's fisheries	1%	2%	7%	26%	58%	5%	4.6
4	Has integrity in its management of Idaho's fisheries	1%	3%	8%	29%	51%	8%	4.5
5	Is generally competent in their management of Idaho's fisheries	2%	2%	8%	29%	53%	6%	4.5
6	Cares about the concerns that are important to anglers	2%	3%	11%	33%	45%	6%	4.3
7	Is concerned about the effects its decisions have on anglers	2%	5%	12%	27%	47%	8%	4.3
8	Cares about anglers like me	2%	5%	12%	30%	46%	5%	4.3
9	Would be honest with anglers if it managed fisheries poorly	4%	14%	19%	26%	32%	4%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix G. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	92.0
Other	2.4
Indigenous (Native American or Alaskan native)	1.9
Asian	1.7
Don't know	1.1
Hispanic or Latino	0.7
Native Hawaiian or other Pacific Islander	0.2

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	3.8
High school graduate	29.8
Two-year college degree	13.3
Four-year college degree	25.0
Vocational/trade school	11.7
Graduate/professional degree	16.4

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	8.2
\$20,000 - \$49,999	27.5
\$50,000 - \$99,999	23.0
\$75,000 - \$99,999	11.6
\$100,000 - \$149,999	20.3
\$150,000 - \$199,999	4.0
Greater than \$200,000	5.5

Appendix G. (continued)

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	50.4
Retired	38.2
Part-time employee	6.6
Unemployed	3.7
Temporary employee	1.1

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	79.6
1	9.1
2	8.7
3	1.8
4	0.9
5+	—

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

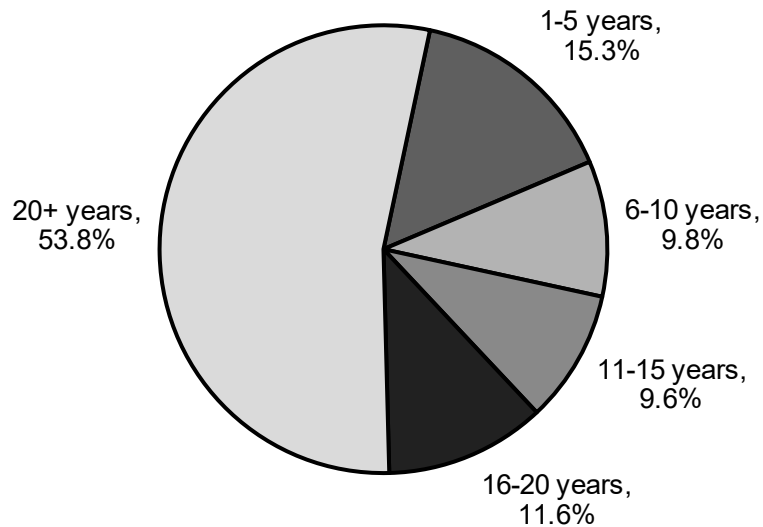
Children	Percent of cases
New angler under the age of 14	79.1%
New angler over the age of 14	14.7%
Someone who has not fished in a few years	26.0%

Note: This question was not weighted by age or region due to low response rate (31%). Results are from mail survey responses only.

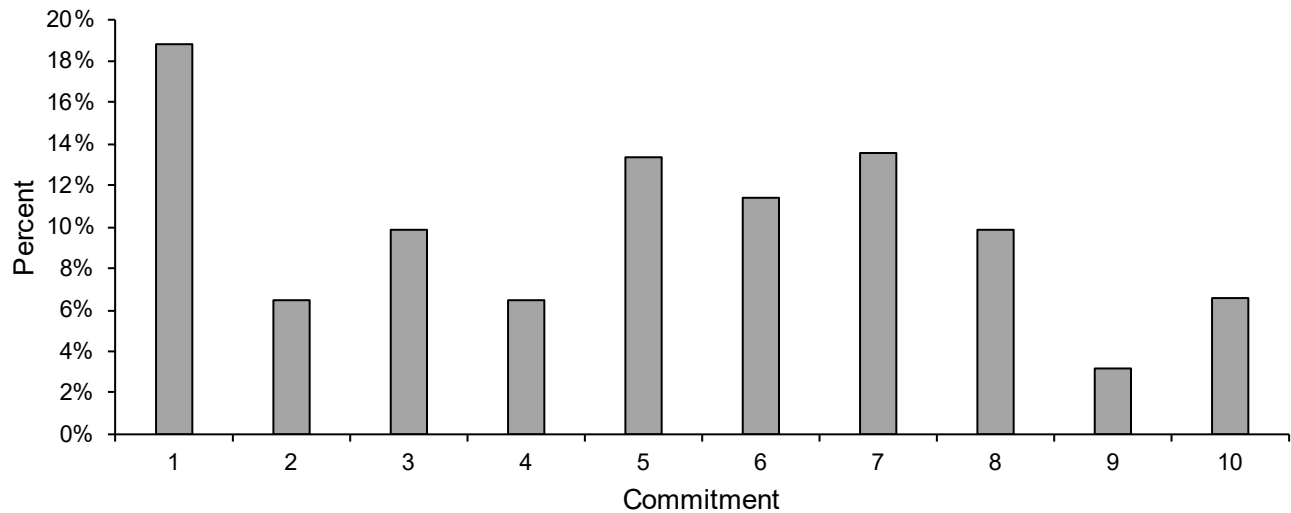
Appendix H. Survey results for the Southwest Region

Results are from 502 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.9

Appendix H. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	45.3%	20.0%	12.0%
2	Bass	23.0%	23.3%	10.8%
3	Anything that bites	6.9%	5.6%	30.8%
4	Panfish (bluegill, perch, crappie)	7.2%	14.3%	9.7%
5	Steelhead	6.5%	9.3%	7.8%
6	Catfish, Bullhead	4.8%	10.1%	9.1%
7	Kokanee	3.4%	7.3%	4.9%
8	Chinook salmon ocean run	1.7%	3.4%	4.4%
9	Sturgeon	0.6%	3.0%	3.6%
10	Walleye	0.1%	1.6%	1.5%
11	Carp, Sucker (other nongame)	0.2%	0.5%	2.8%
12	Whitefish	0.2%	0.5%	1.4%
13	Northern pike, Tiger muskie	0.0%	0.9%	0.7%
14	Coho salmon ocean run	0.0%	0.3%	0.3%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

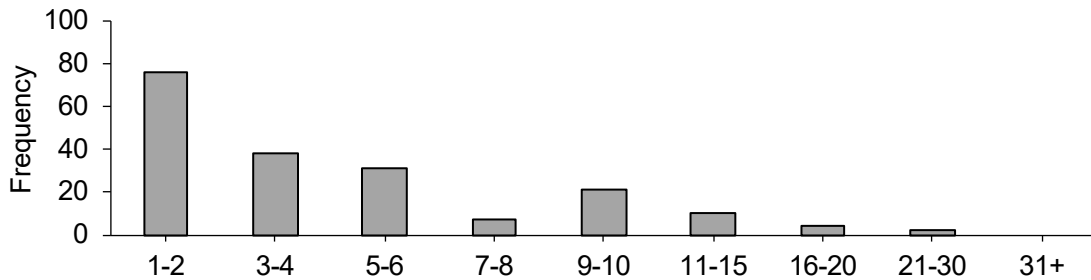
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Snake River	19.0%	15.1%	15.5%
2	CJ Strike Reservoir	9.7%	12.0%	12.7%
3	Boise River	8.0%	11.3%	9.3%
4	Cascade Reservoir	6.9%	7.2%	10.4%
5	Salmon River	6.5%	8.8%	4.0%
6	Brownlee Reservoir	5.0%	7.2%	5.7%
7	Lucky Peak Reservoir	4.3%	5.7%	6.1%
8	Anderson Ranch Reservoir	5.3%	4.0%	5.6%
9	Lake Lowell	3.8%	5.4%	4.3%
10	Alpine lakes - backcountry	4.0%	2.3%	4.7%
11	Horsethief Reservoir	4.5%	3.0%	0.9%
12	Arrowrock Reservoir	3.4%	3.1%	2.8%
13	Payette River	2.3%	2.4%	6.4%
14	Swan Falls Reservoir	3.0%	2.9%	1.4%
15	Henry's Lake	1.8%	2.0%	3.3%
16	Clearwater River	2.5%	1.4%	1.4%
17	Boise River South Fork	1.4%	2.4%	0.7%
18	Mann Creek Reservoir	1.4%	0.7%	0.9%
19	Payette River South Fork	1.3%	0.7%	0.3%
20	Dworshak Reservoir	1.1%	0.0%	2.0%
21.5	Middle Fork Salmon River	1.5%	0.0%	0.0%
21.5	N/A	0.7%	0.8%	1.3%
23	Stanley Lake	0.9%	0.7%	0.2%
24	Redfish Lake	1.0%	0.4%	0.2%
25	Clearwater River South Fork	0.8%	0.2%	0.0%

Appendix H. (continued)

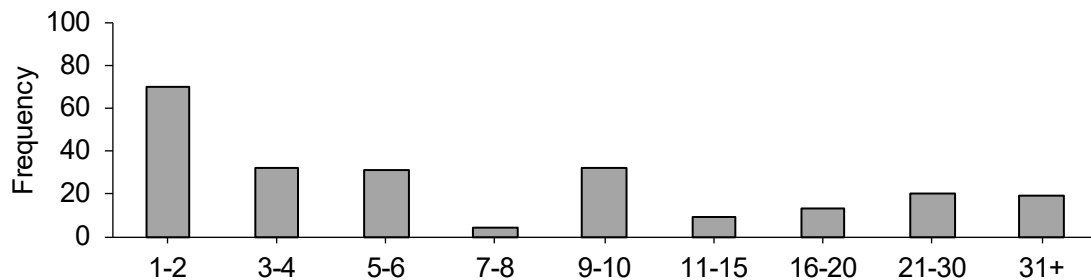
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	5.8	5.8	5.3
Local (community) fishing ponds	14.3	26.5	13.3
Lakes or reservoirs	17.0	24.2	16.0
Rivers or streams	19.8	29.6	18.8

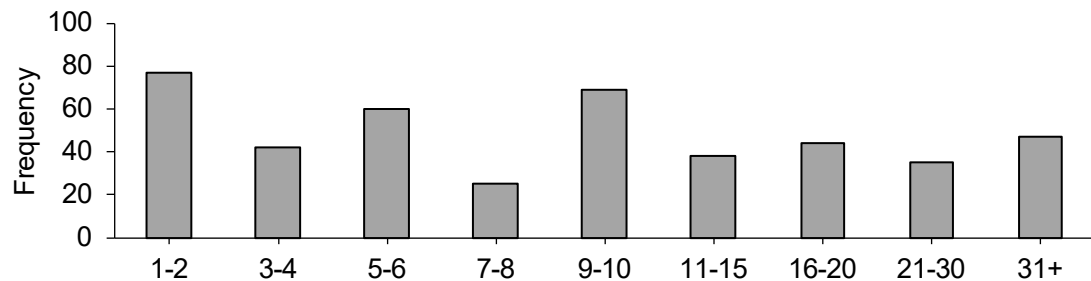
Backcountry Alpine Lake



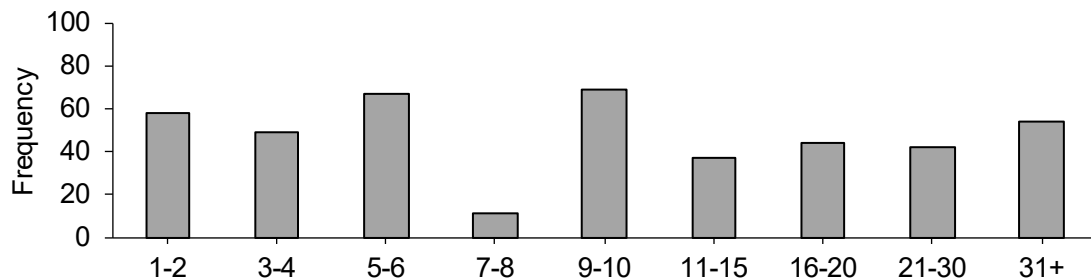
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix H. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

Watercraft	Percent of Cases
Motorboat	47.5%
Float tube	34.3%
Kayak	32.1%
Stand up paddleboard	21.2%
Raft	17.2%
Canoe	11.8%
Kick boat	4.9%
Drift boat	3.7%

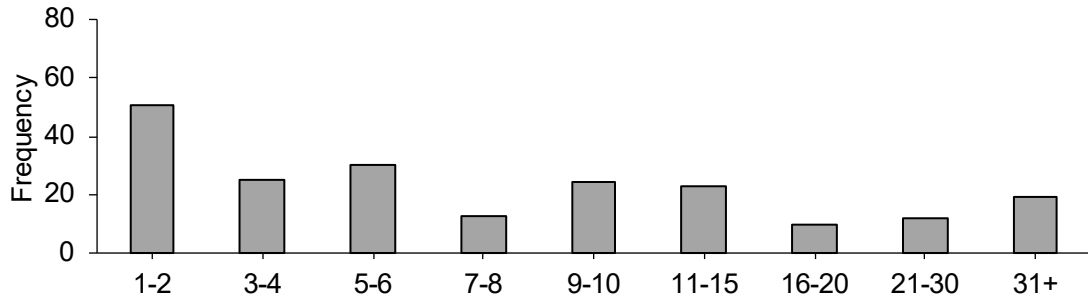
Unweighted responses indicate 69% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

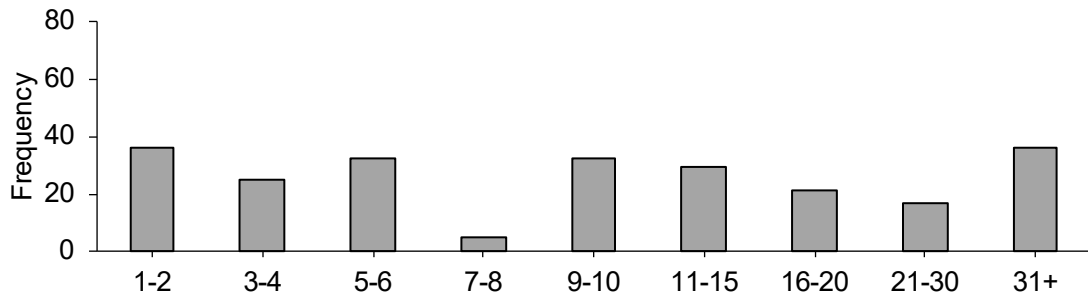
	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	19.0	35.4	15.9
Motorized boat	19.6	28.5	19.8
Shore, bank, or dock	25.5	37.0	22.6
Ice	5.2	6.2	5.3

Appendix H. (continued)

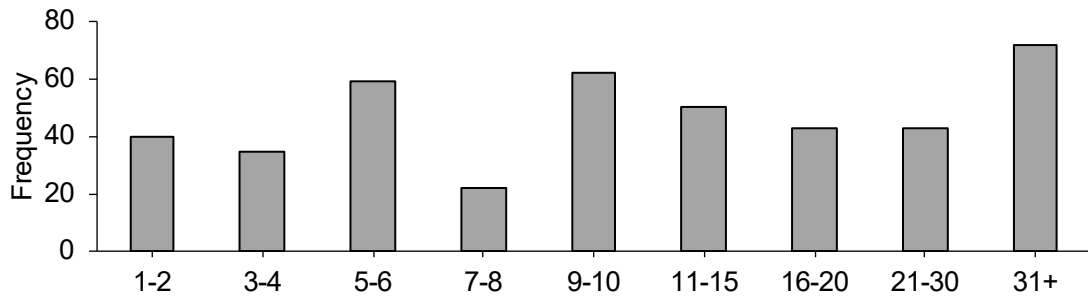
Non-motorized boat



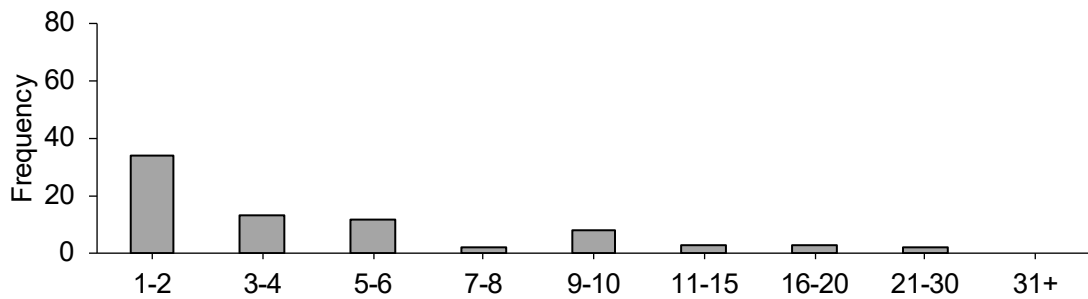
Motorized Boat



Shore, Bank, or Dock



Ice



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix H. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Lure or spin (artificial)	36.7%	52.3%	9.2%	1.9%
2	Bait	44.2%	34.7%	20.7%	1.2%
3	Fly	17.0%	11.4%	60.4%	10.6%
4	Archery or spearfish	2.1%	1.5%	9.6%	86.3%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	59.9%
2	With friends	27.0%
3	I fish alone	12.2%
4	With guide or outfitter	0.9%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.3	2.9	Improving fish habitat
4.2	3.1	Maintaining existing fishing access sites
4.1	3.1	Managing for native trout fisheries (cutthroat trout)
4.0	3.0	Using scientific information to inform management decisions
3.8	2.9	Improving existing fishing access sites
3.8	3.0	Managing for quality/trophy trout in rivers and streams
3.8	3.1	Managing hatchery-supported trout fisheries
3.7	3.1	Managing catch-and-keep trout fisheries
3.7	3.0	Managing for quality/trophy trout in lakes and reservoirs
3.7	3.0	Managing backcountry alpine lake trout fisheries
3.6	3.0	Managing catch-and-release fisheries
3.5	2.9	Managing for warm water fisheries (bass, crappie)
3.5	2.8	Managing native nongame fish
3.4	3.1	Providing general fisheries information
3.4	2.9	Creating new fishing access sites
3.2	3.0	Providing quality local (community) pond fishing options
3.2	2.8	Managing for quality/trophy bass fisheries
2.4	2.7	Providing classes on how to fish

Appendix H. (continued)

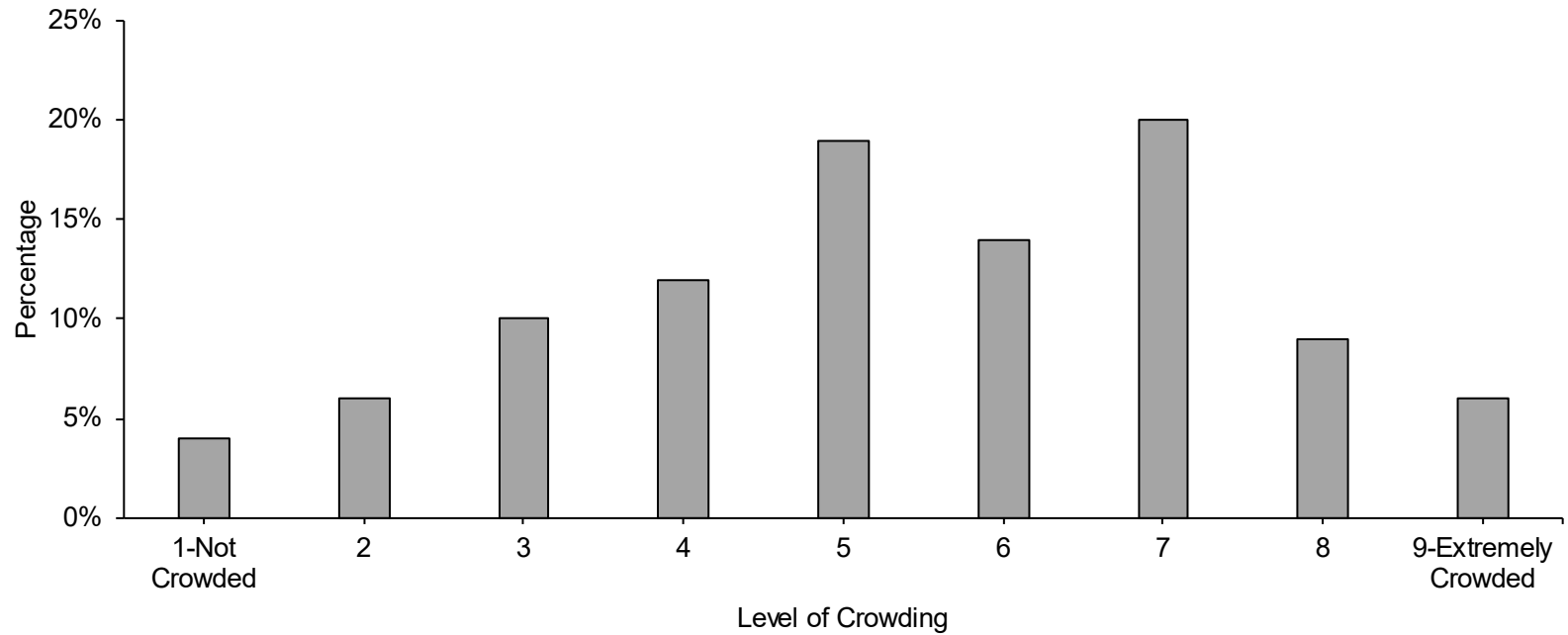
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	1%	1%	4%	12%	48%	31%	2%	5.0
2	The type of fish you catch	2%	2%	5%	15%	53%	21%	3%	4.8
3	Idaho fishing regulations	1%	3%	7%	15%	52%	20%	3%	4.8
4	Idaho license fee cost	4%	4%	9%	12%	47%	21%	3%	4.6
5	Access to public fishing areas	2%	4%	7%	20%	49%	14%	4%	4.6
6	Access to quality trout lakes/reservoirs	1%	4%	7%	17%	48%	14%	9%	4.6
7	Fish habitat quality	1%	3%	11%	22%	45%	14%	4%	4.5
8	The size of the fish you catch	2%	3%	14%	18%	46%	14%	3%	4.5
9	Access to quality trout streams	3%	4%	9%	18%	43%	15%	8%	4.5
10	IDFG fishing access sites	2%	4%	6%	21%	44%	6%	18%	4.5
11	The number of fish you catch	2%	5%	14%	19%	42%	15%	3%	4.4
12	Water quality	3%	6%	13%	18%	43%	14%	3%	4.4
13	The number of anglers on the water	2%	5%	11%	21%	45%	5%	11%	4.3
14	The number of IDFG fishing access sites	2%	5%	9%	18%	41%	6%	18%	4.3
15	The number of anglers on watercraft	2%	5%	9%	23%	42%	3%	15%	4.3
16	Parking at IDFG fishing and boating access sites	3%	5%	11%	17%	36%	8%	20%	4.3
17	The number of anglers on the shore/bank	3%	5%	14%	17%	45%	4%	11%	4.2
18	Access to trophy-quality fishing areas	2%	6%	13%	19%	36%	7%	18%	4.2
19	The number of IDFG boat ramps	3%	4%	9%	18%	34%	5%	26%	4.2
20	The number of non-anglers on shore/bank	3%	7%	14%	16%	38%	4%	17%	4.1
21	Traffic at IDFG fishing and boating access sites	4%	7%	13%	15%	34%	5%	23%	4.1
22	Access to ocean-run salmon/steelhead fisheries	7%	7%	14%	14%	29%	5%	24%	3.9
23	The number of non-anglers on the water	7%	12%	16%	15%	31%	3%	16%	3.7
24	The number of non-anglers on watercraft	9%	11%	15%	15%	31%	3%	16%	3.7

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix H. (continued)

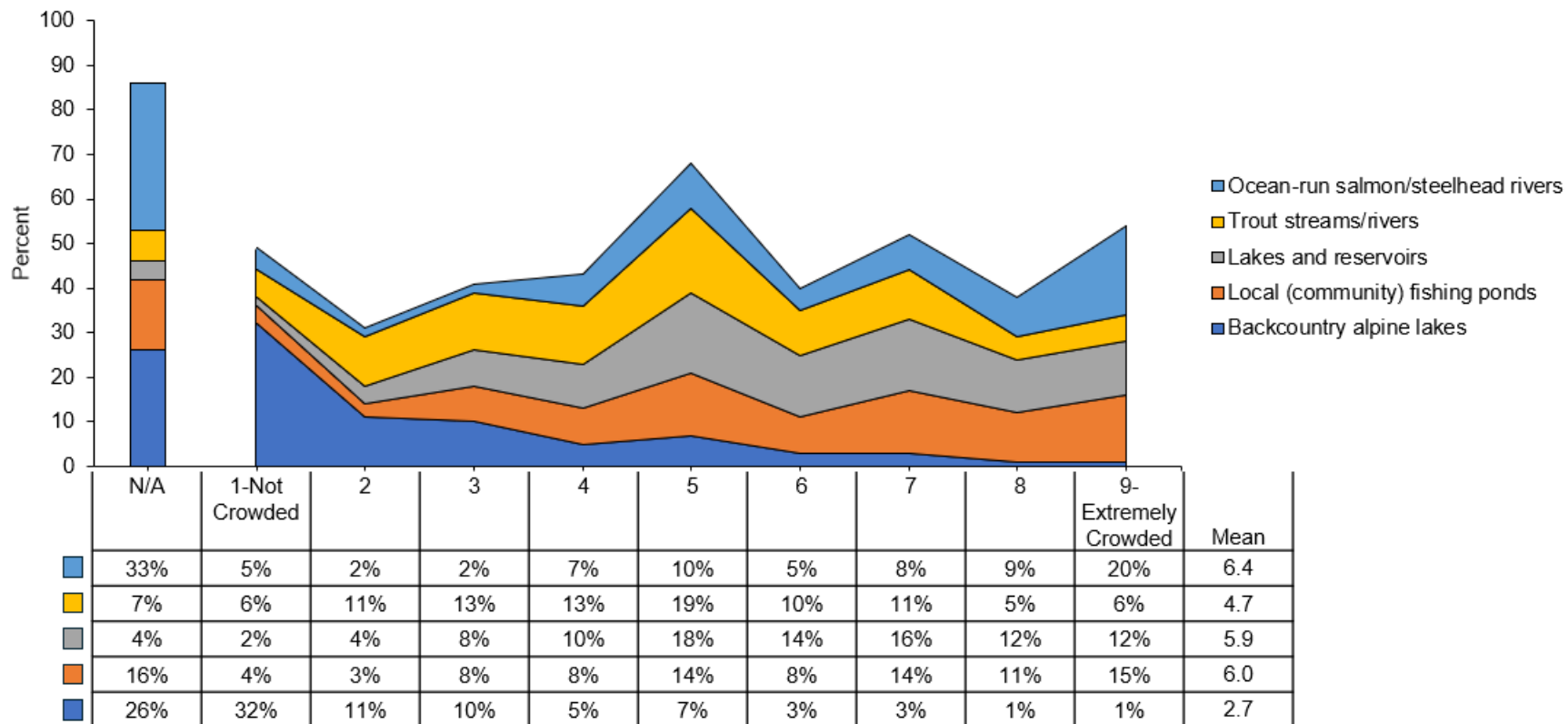
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 5.4 excluding blank responses.

Appendix H. (continued)

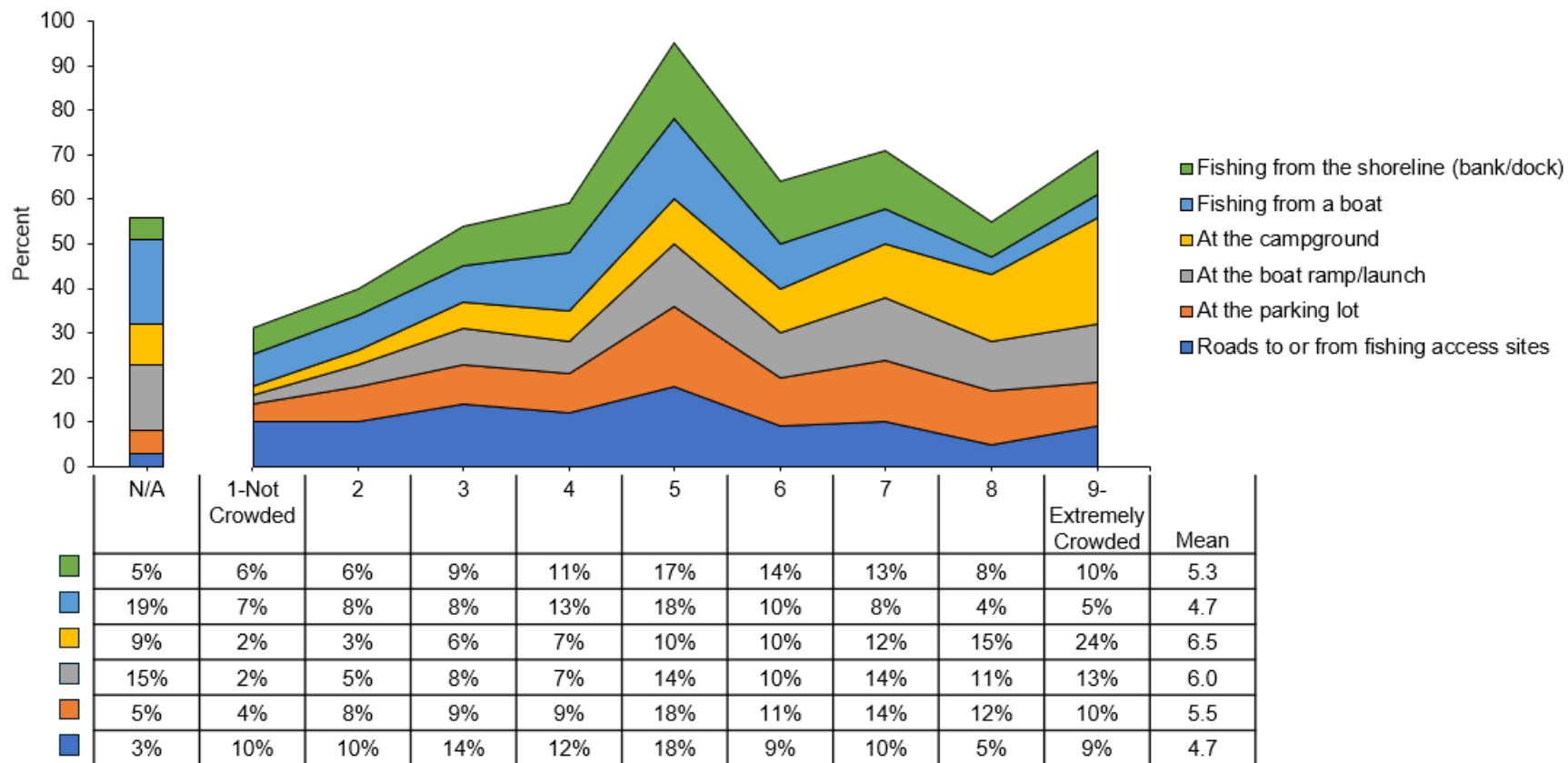
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix H. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix H. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	29.9
I fish on different days	29.2
I fish at different waterbodies	16.8
I fish earlier or later in the day	15.3
I stopped fishing	7.5
I fish for different species	1.3

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Non-anglers in motorized boats	32.9
Other anglers on the shore or wading	31.5
Other anglers in motorized boats	14.2
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	13.3
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	4.5
Guides and outfitters	3.7

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	9%	13%	33%	34%	11%
Limit IDFG access sites to license holders only	11%	18%	33%	25%	13%
Lottery draw with limited fishing permits on high-use waters	35%	33%	15%	5%	11%
Daily fishing fees required on high-use waters	37%	32%	18%	5%	8%

Highlighted rows indicate the majority response.

Appendix H. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	68.0
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	32.0

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is one of the most enjoyable things I do	3%	5%	8%	22%	33%	29%	4.6
2	Fishing is very important to me	3%	6%	9%	22%	35%	26%	4.6
3	Most of my friends are in some way connected with fishing	7%	15%	11%	29%	26%	13%	3.9
4	Participating in fishing says a lot about whom I am	6%	17%	15%	26%	25%	11%	3.8
5	Fishing occupies a central role in my life	10%	21%	18%	22%	19%	10%	3.5
6	Much of my life is organized around fishing	11%	28%	19%	22%	14%	6%	3.2

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix H. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To enjoy nature	0%	2%	6%	31%	61%	4.5
2	To be outdoors	1%	1%	5%	34%	58%	4.5
3	To get away from people	4%	7%	19%	31%	39%	3.9
4	To be with friends	7%	11%	24%	31%	28%	3.6
5	To develop my skills	11%	17%	30%	27%	15%	3.2
6	To catch wild fish	17%	13%	31%	27%	12%	3.0
7	To catch native fish	21%	15%	30%	23%	11%	2.9
8	To catch big fish	15%	21%	38%	18%	9%	2.8
9	To catch fresh fish for meal	23%	17%	28%	21%	11%	2.8
10	To test my equipment	28%	23%	28%	16%	6%	2.5
11	To be part of a group	33%	21%	26%	11%	9%	2.4
12	To catch as many fish as possible	32%	26%	31%	9%	2%	2.2
13	To catch hatchery fish	43%	22%	26%	7%	2%	2.0
14	To stock the freezer for off-season	53%	19%	16%	7%	6%	1.9

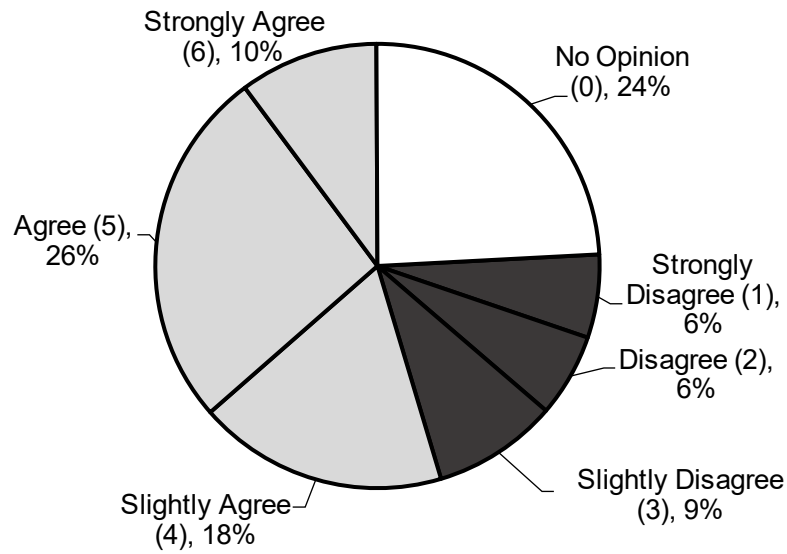
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	80.2
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	19.8

Appendix H. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 4.1 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	94.0
Yes	6.0

Appendix H. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	8%	4%	6%	25%	36%	21%	22%	4.4
2	Bass in rivers	10%	10%	11%	26%	31%	12%	26%	3.9
3	Hatchery-supported trout waters	12%	10%	11%	21%	34%	11%	24%	3.9
4	Trophy fishing in large lakes	13%	10%	10%	24%	31%	12%	24%	3.9
5	Kokanee in large lakes	15%	13%	11%	24%	28%	8%	27%	3.6
6	Catch-and-release trout waters	19%	13%	13%	17%	29%	9%	23%	3.5
7	Quality trout waters	21%	17%	12%	14%	25%	12%	22%	3.4
8	Steelhead on large rivers using boats	27%	19%	12%	20%	17%	5%	25%	3.0
9	Chinook Salmon on large rivers using boats	29%	19%	16%	16%	15%	6%	25%	2.9
10	Backcountry trout waters	35%	23%	12%	9%	16%	6%	25%	2.7

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean ≥ 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	0%	1%	40%	11%	7%	30%	5%	5%
Rules	0%	1%	42%	4%	11%	23%	3%	16%
Reminders	1%	1%	13%	2%	14%	50%	17%	4%
Information articles	1%	0%	35%	16%	8%	32%	2%	6%
Opinion surveys	1%	1%	26%	5%	16%	44%	4%	3%

Appendix H. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	1%	3%	7%	22%	59%	9%	4.6
2	In general, the procedures IDFG uses to make decisions are fair to anglers	1%	2%	6%	28%	57%	7%	4.6
3	As an angler, I can freely express my points of view to IDFG decision makers	3%	5%	9%	24%	49%	10%	4.4
4	I think IDFG decision makers have anglers' best interests in mind	3%	4%	12%	30%	42%	9%	4.3
5	As an angler, my opinion influences a decision maker similar to the influence of others	5%	11%	16%	31%	33%	4%	3.9
6	I think IDFG decision makers act in the interest of some groups over others	4%	12%	19%	30%	25%	9%	3.9

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	1%	2%	7%	19%	61%	11%	4.7
2	Can manage Idaho's fisheries	1%	3%	6%	22%	59%	9%	4.6
3	Thinks it is important to do the right thing for Idaho's fisheries	3%	3%	6%	24%	50%	15%	4.6
4	Is generally competent in their management of Idaho's fisheries	1%	3%	7%	26%	55%	8%	4.6
5	Has integrity in its management of Idaho's fisheries	4%	3%	6%	23%	51%	12%	4.5
6	Cares about the concerns that are important to anglers	4%	3%	11%	23%	50%	9%	4.4
7	Is concerned about the effects its decisions have on anglers	4%	4%	9%	27%	49%	8%	4.4
8	Cares about anglers like me	4%	3%	10%	28%	45%	9%	4.3
9	Would be honest with anglers if it managed fisheries poorly	7%	12%	17%	25%	32%	7%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix H. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	86.1
Hispanic or Latino	6.7
Other	2.7
Don't know	2.7
Black or African American	0.9
Indigenous (Native American or Alaskan native)	0.5
Native Hawaiian or other Pacific Islander	0.4

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	3.1
High school graduate	33.9
Two-year college degree	14.2
Four-year college degree	28.1
Vocational/trade school	9.1
Graduate/professional degree	11.6

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	7.0
\$20,000 - \$49,999	20.8
\$50,000 - \$99,999	23.2
\$75,000 - \$99,999	17.6
\$100,000 - \$149,999	14.8
\$150,000 - \$199,999	8.5
Greater than \$200,000	8.1

Appendix H. (continued)

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	63.7
Retired	23.4
Part-time employee	5.6
Unemployed	5.5
Temporary employee	1.7

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	69.3
1	14.6
2	9.9
3	3.8
4	1.6
5+	0.9

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

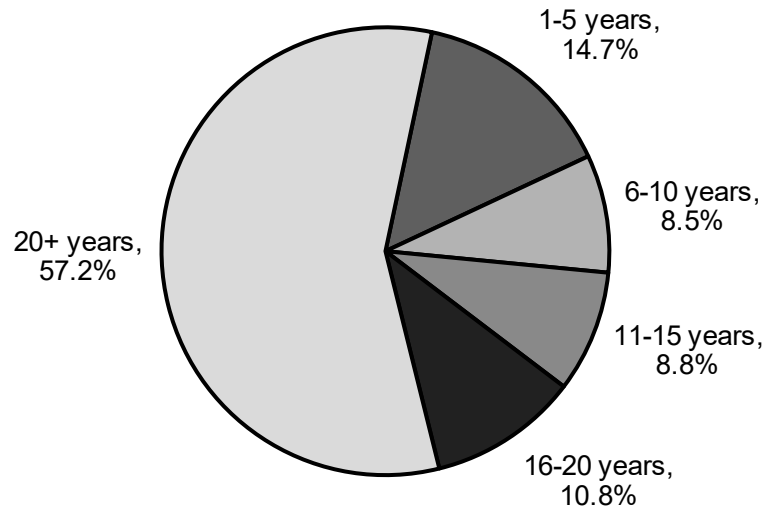
Children	Percent of cases
New angler under the age of 14	86.3%
New angler over the age of 14	11.6%
Someone who has not fished in a few years	18.5%

Note: This question was not weighted by age or region due to low response rate (29%). Results are from mail survey responses only.

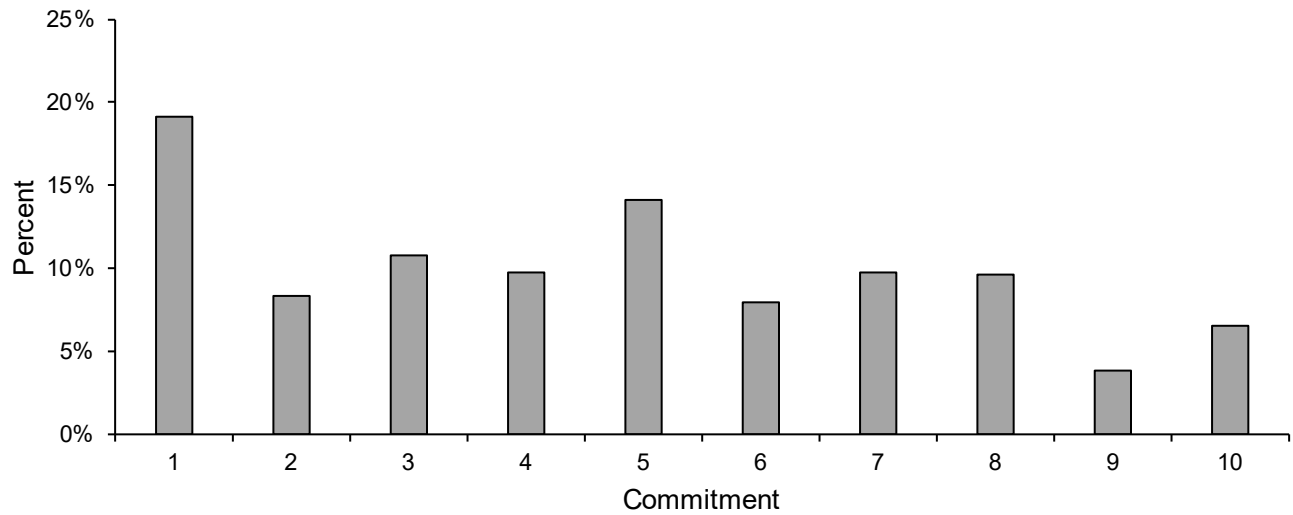
Appendix I. Survey results for the Magic Valley Region

Results are from 502 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.7

Appendix I. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	58.2%	21.6%	12.6%
2	Bass	13.5%	21.9%	10.2%
3	Anything that bites	5.1%	10.4%	27.8%
4	Panfish (bluegill, perch, crappie)	4.0%	9.0%	10.2%
5	Steelhead	3.5%	9.6%	7.3%
6	Walleye	4.3%	5.6%	9.4%
7	Catfish, Bullhead	3.5%	6.2%	6.7%
8	Sturgeon	3.8%	4.8%	4.7%
9	Kokanee	1.1%	3.9%	2.9%
10	Chinook salmon ocean run	0.8%	2.5%	3.2%
11	Carp, Sucker (other nongame)	1.9%	0.3%	2.3%
12	Whitefish	0.3%	2.5%	0.6%
13	Northern pike, Tiger muskie	0.0%	1.1%	0.6%
14	Coho salmon ocean run	0.0%	0.6%	1.5%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

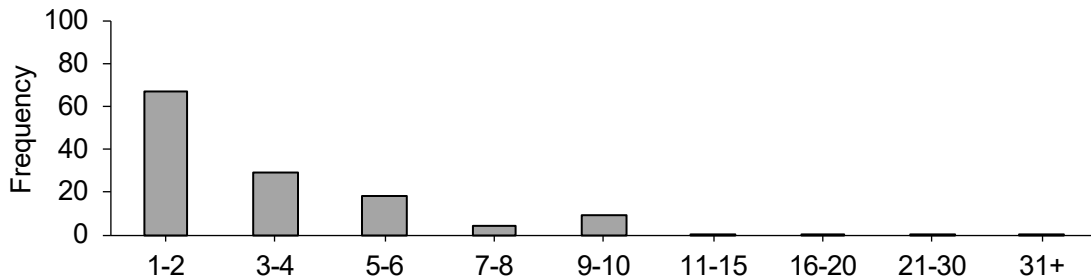
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Snake River	25.6%	20.6%	20.7%
2	Salmon Falls Creek Reservoir	11.7%	13.0%	11.0%
3	Magic Reservoir	5.8%	10.5%	7.0%
4	Salmon River	6.1%	7.6%	8.4%
5	CJ Strike Reservoir	6.8%	4.2%	7.0%
6	Big Wood River	6.8%	4.6%	5.3%
7	Hagerman WMA Ponds	7.1%	0.4%	3.5%
8	Henrys Lake	4.2%	3.8%	5.7%
9	American Falls Reservoir	2.6%	3.4%	4.4%
10	Anderson Ranch Reservoir	2.3%	3.8%	4.0%
11	Lake Walcott	1.6%	4.2%	3.1%
12	Oakley Reservoir	1.6%	3.8%	3.5%
13	Dog Creek Reservoir	2.6%	1.7%	1.8%
14	Boise River South Fork	1.9%	1.7%	3.1%
15	Roseworth Reservoir	1.6%	2.1%	2.2%
16	Dierkes Lake	1.9%	1.3%	0.9%
17	Henrys Fork Snake River	1.0%	2.5%	1.3%
18.5	Lake Cleveland	1.0%	2.5%	0.4%
18.5	Big Lost River	1.0%	2.1%	1.3%
20.5	Snake River South Fork	1.9%	0.4%	0.4%
20.5	Silver Creek	0.6%	2.9%	0.4%
22	Clearwater River	1.3%	1.3%	0.9%
23	Little Wood River	0.6%	1.7%	2.2%
24.5	Birch Creek	1.3%	0.0%	0.0%
24.5	Any stream	1.0%	0.0%	1.3%

Appendix I. (continued)

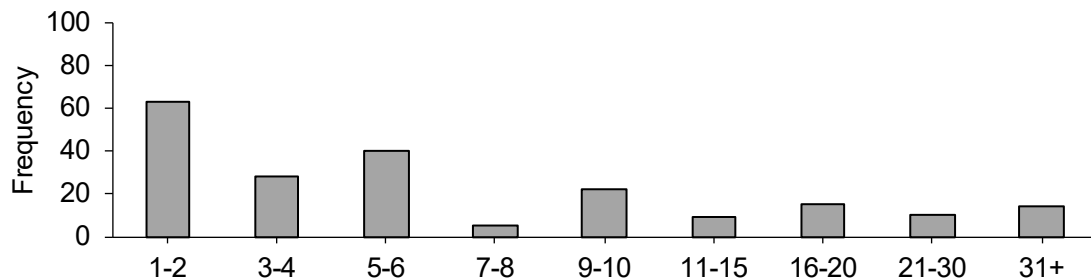
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	4.1	5.4	4.0
Local (community) fishing ponds	12.0	22.1	11.8
Lakes or reservoirs	15.4	29.7	15.6
Rivers or streams	16.4	22.2	15.5

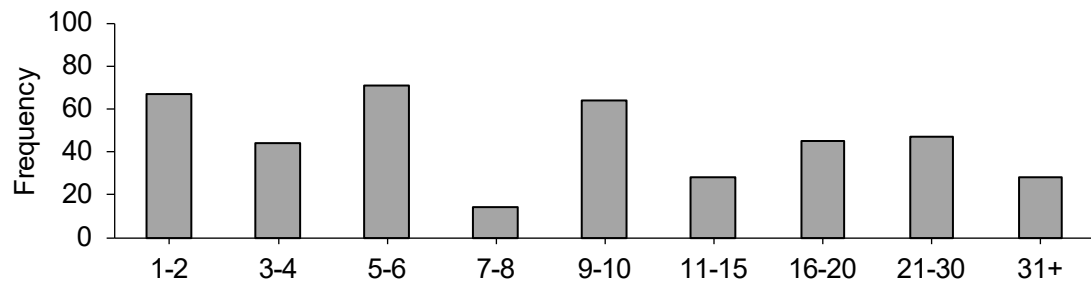
Backcountry Alpine Lake



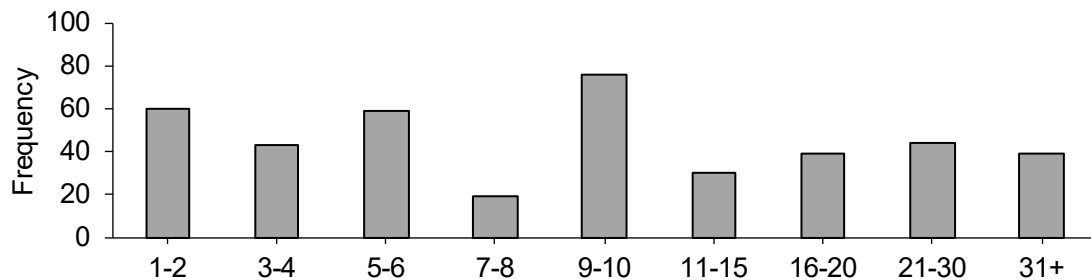
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix I. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

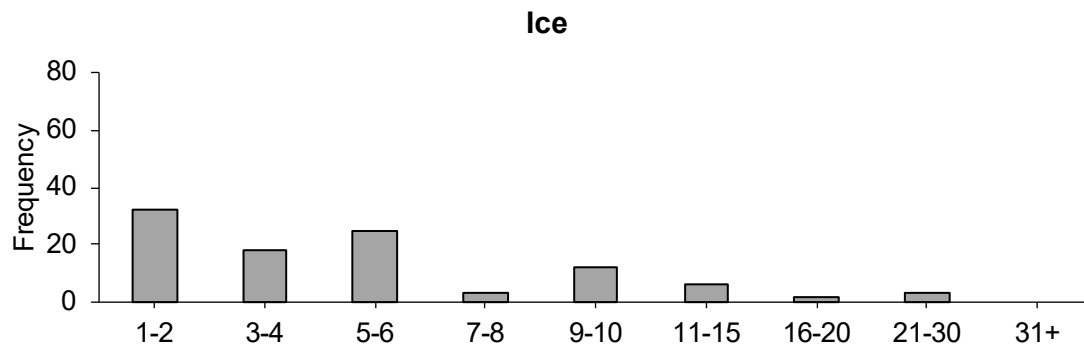
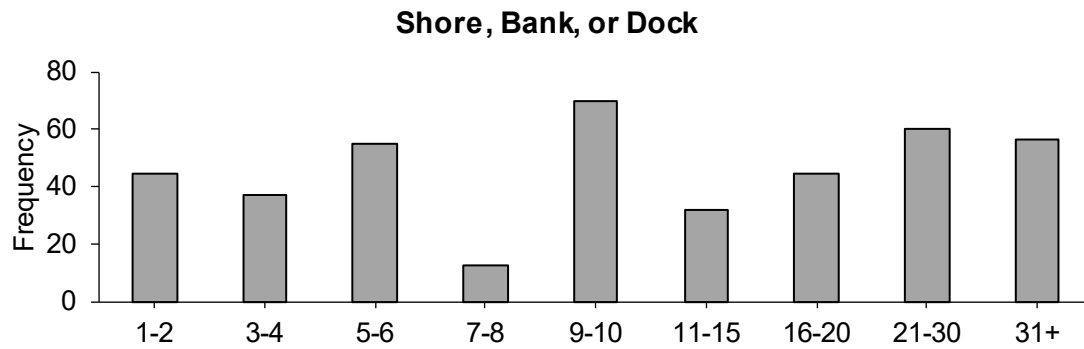
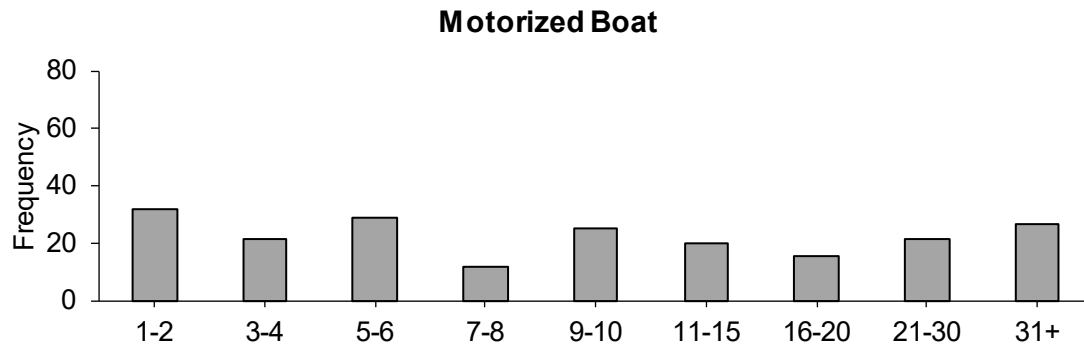
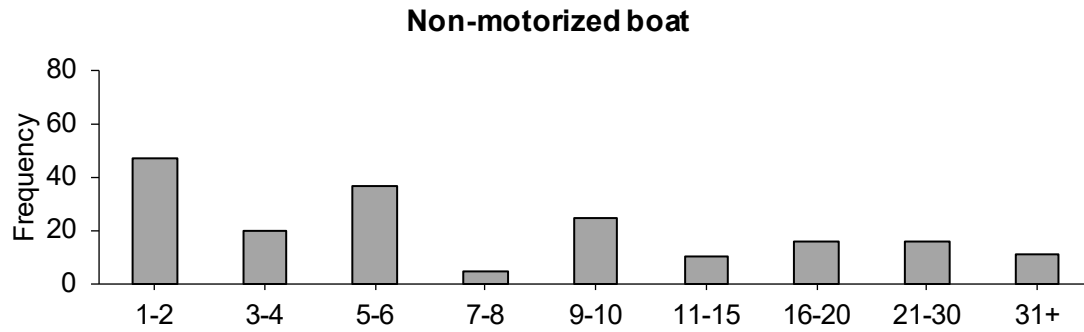
Watercraft	Percent of Cases
Motorboat	46.5%
Kayak	46.3%
Float tube	30.2%
Canoe	13.8%
Raft	9.8%
Stand up paddleboard	7.7%
Drift boat	5.6%
Kick boat	3.8%

Unweighted responses indicate 60% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	10.2	11.2	10.6
Motorized boat	17.7	28.0	17.6
Shore, bank, or dock	20.9	29.1	19.7
Ice	6.0	5.8	5.8

Appendix I. (continued)



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix I. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Bait	55.3%	25.5%	17.4%	4.0%
2	Lure or spin (artificial)	25.7%	57.1%	14.0%	2.0%
3	Fly	16.7%	13.9%	54.9%	15.1%
4	Archery or spearfish	2.3%	3.4%	13.6%	79.0%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	58.4%
2	With friends	24.8%
3	I fish alone	16.1%
4	With guide or outfitter	0.7%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.2	2.9	Improving fish habitat
4.2	3.0	Maintaining existing fishing access sites
4.1	3.0	Managing for native trout fisheries (cutthroat trout)
3.8	2.8	Improving existing fishing access sites
3.8	3.0	Using scientific information to inform management decisions
3.8	2.9	Managing for quality/trophy trout in rivers and streams
3.7	3.0	Managing catch-and-keep trout fisheries
3.7	3.1	Managing hatchery-supported trout fisheries
3.7	2.9	Managing for quality/trophy trout in lakes and reservoirs
3.6	2.9	Managing backcountry alpine lake trout fisheries
3.5	2.9	Managing catch-and-release fisheries
3.4	2.8	Managing native nongame fish
3.3	3.1	Providing general fisheries information
3.3	2.8	Creating new fishing access sites
3.3	2.8	Managing for warm water fisheries (bass, crappie)
3.1	2.9	Providing quality local (community) pond fishing options
3.0	2.8	Managing for quality/trophy bass fisheries
2.3	2.7	Providing classes on how to fish

Appendix I. (continued)

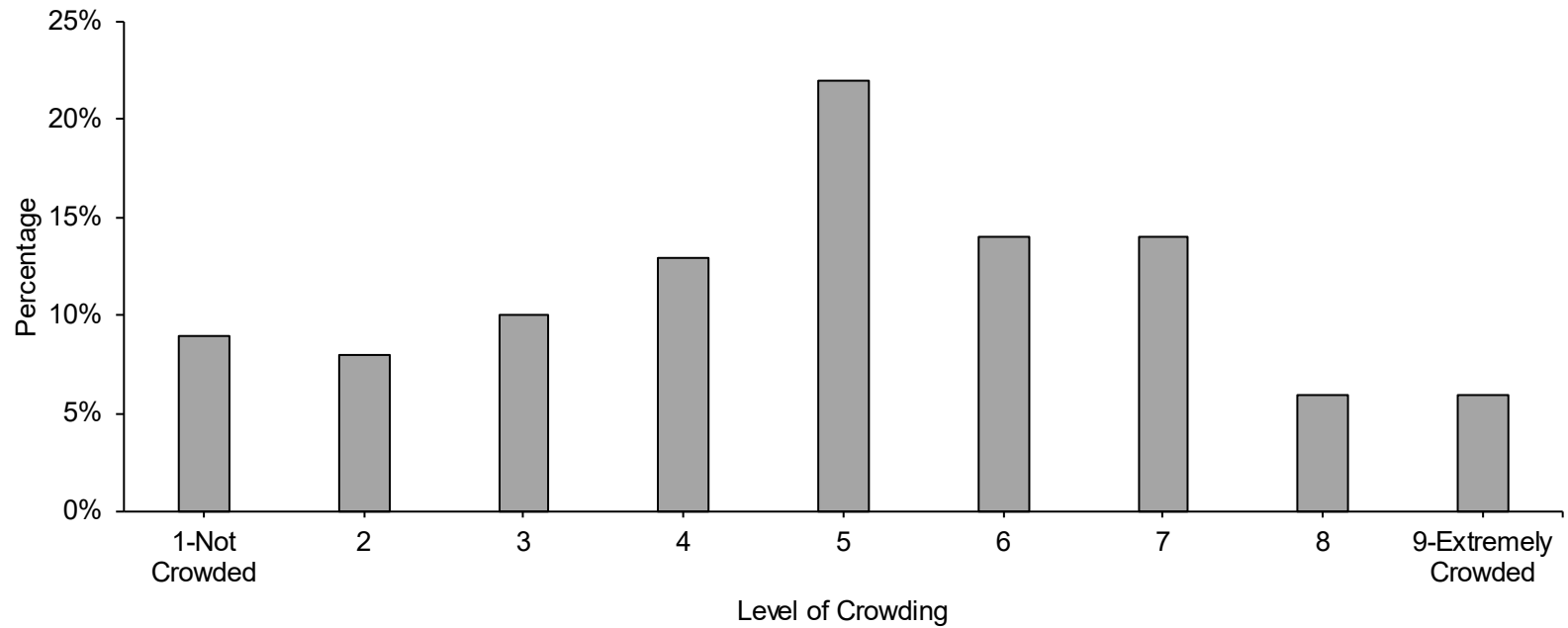
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	1%	2%	6%	12%	54%	22%	3%	4.8
2	The type of fish you catch	1%	3%	6%	16%	54%	15%	4%	4.7
3	Idaho fishing regulations	1%	3%	5%	18%	53%	17%	3%	4.6
4	Access to public fishing areas	1%	3%	9%	18%	51%	13%	5%	4.6
5	Access to quality trout lakes/reservoirs	2%	3%	6%	19%	49%	11%	10%	4.6
6	IDFG fishing access sites	1%	2%	8%	23%	43%	8%	14%	4.5
7	Fish habitat quality	1%	6%	14%	20%	45%	11%	3%	4.5
8	Access to quality trout streams	2%	4%	10%	19%	44%	12%	9%	4.4
9	Parking at IDFG fishing and boating access sites	1%	4%	9%	18%	42%	10%	16%	4.4
10	The size of the fish you catch	2%	5%	14%	20%	47%	9%	3%	4.4
11.5	Idaho license fee cost	4%	7%	13%	16%	42%	15%	2%	4.4
11.5	The number of IDFG fishing access sites	0%	4%	12%	22%	40%	8%	14%	4.4
13	The number of anglers on the water	3%	4%	12%	22%	45%	5%	10%	4.4
14	The number of anglers on the shore/bank	3%	6%	11%	21%	43%	5%	10%	4.4
15	The number of IDFG boat ramps	1%	6%	10%	17%	38%	7%	22%	4.4
16	The number of fish you catch	3%	6%	10%	20%	46%	11%	4%	4.3
17	Water quality	2%	7%	13%	23%	42%	10%	2%	4.3
18	The number of anglers on watercraft	3%	5%	11%	19%	41%	5%	15%	4.3
19	Traffic at IDFG fishing and boating access sites	2%	6%	11%	18%	36%	6%	21%	4.3
20	The number of non-anglers on shore/bank	4%	9%	11%	19%	37%	5%	15%	4.3
21	Access to trophy-quality fishing areas	2%	7%	11%	18%	37%	7%	19%	4.2
22	Access to ocean-run salmon/steelhead fisheries	4%	7%	9%	14%	32%	5%	30%	4.1
23	The number of non-anglers on the water	6%	12%	12%	20%	33%	3%	14%	4.0
24	The number of non-anglers on watercraft	7%	10%	16%	17%	30%	3%	17%	3.8

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix I. (continued)

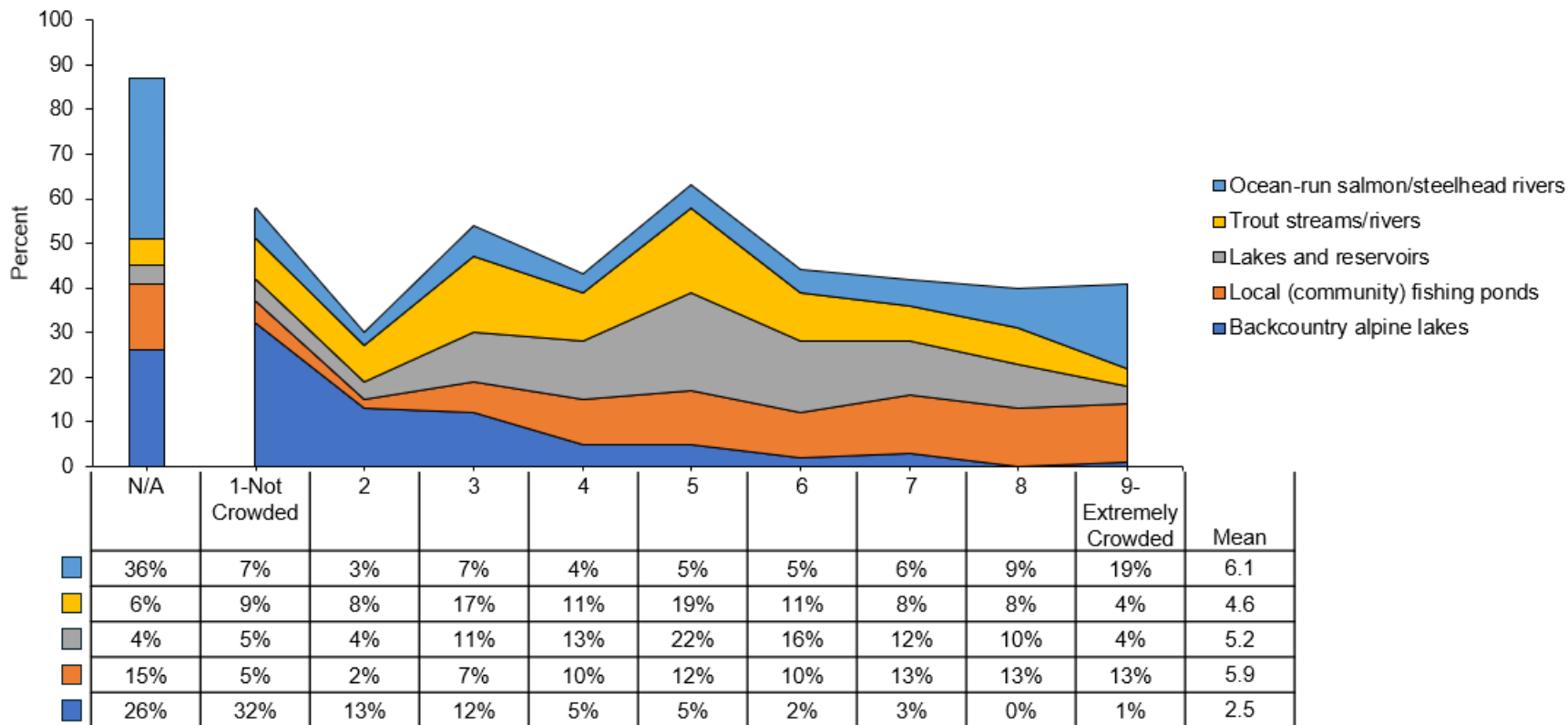
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 4.9 excluding blank responses.

Appendix I. (continued)

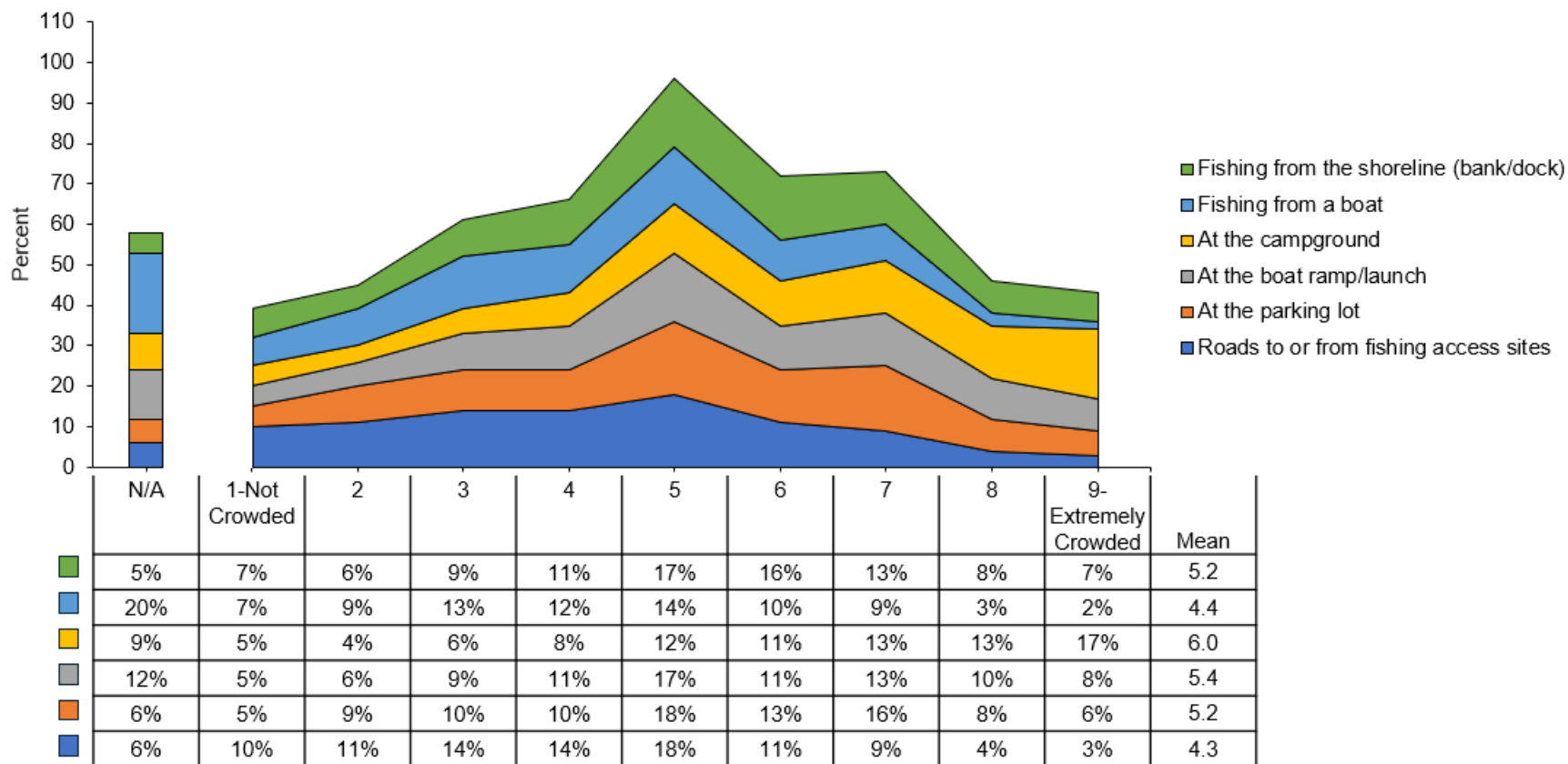
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix I. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix I. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	32.1
I fish on different days	28.7
I fish at different waterbodies	15.2
I fish earlier or later in the day	14.2
I stopped fishing	8.7
I fish for different species	1.3

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Other anglers on the shore or wading	36.1
Non-anglers in motorized boats	21.3
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	20.2
Other anglers in motorized boats	10.0
Guides and outfitters	6.8
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	5.6

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	9%	12%	32%	34%	12%
Limit IDFG access sites to license holders only	12%	15%	31%	28%	14%
Lottery draw with limited fishing permits on high-use waters	34%	31%	15%	7%	13%
Daily fishing fees required on high-use waters	33%	31%	15%	6%	14%

Highlighted rows indicate the majority response.

Appendix I. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	67.7
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	32.3

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is one of the most enjoyable things I do	3%	5%	7%	25%	38%	22%	4.6
2	Fishing is very important to me	3%	6%	8%	23%	38%	22%	4.5
3	Most of my friends are in some way connected with fishing	6%	19%	13%	24%	30%	8%	3.8
4	Participating in fishing says a lot about whom I am	9%	22%	10%	23%	26%	10%	3.7
5	Fishing occupies a central role in my life	11%	28%	16%	23%	16%	8%	3.3
6	Much of my life is organized around fishing	12%	30%	18%	22%	12%	5%	3.1

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix I. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To be outdoors	2%	1%	8%	41%	48%	4.3
2	To enjoy nature	1%	1%	8%	42%	47%	4.3
3	To get away from people	7%	7%	18%	32%	36%	3.8
4	To be with friends	8%	12%	26%	34%	20%	3.5
5	To develop my skills	13%	17%	32%	28%	11%	3.1
6	To catch wild fish	20%	19%	27%	22%	12%	2.9
7	To catch big fish	16%	23%	38%	17%	6%	2.7
8	To catch native fish	22%	21%	28%	17%	11%	2.7
9	To catch fresh fish for meal	28%	18%	27%	20%	8%	2.6
10	To test my equipment	31%	25%	28%	13%	4%	2.3
11	To be part of a group	40%	23%	20%	12%	6%	2.2
12	To catch as many fish as possible	39%	24%	22%	11%	3%	2.2
13	To catch hatchery fish	47%	25%	20%	6%	2%	1.9
14	To stock the freezer for off-season	52%	21%	17%	7%	3%	1.9

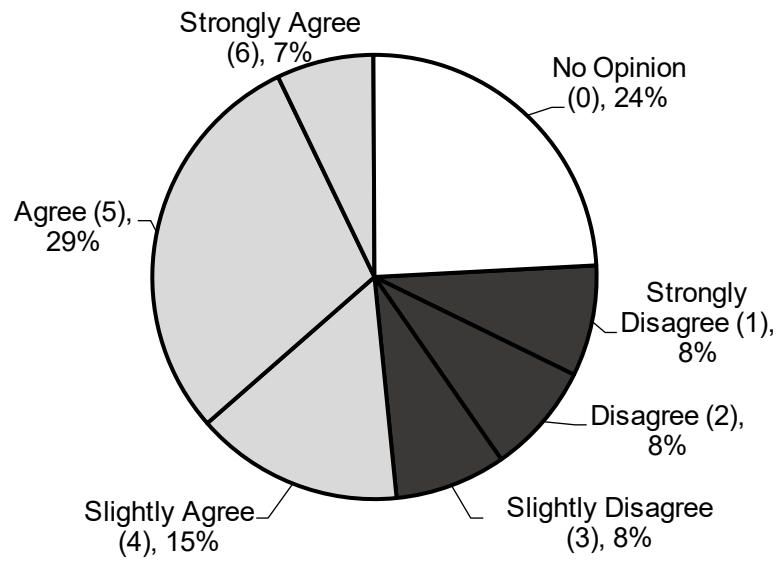
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	80.5
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	19.5

Appendix I. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 3.9 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	94.8
Yes	5.2

Appendix I. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	11%	6%	5%	14%	25%	12%	26%	4.0
2	Bass in rivers	10%	9%	6%	15%	23%	9%	29%	3.8
3	Hatchery-supported trout waters	10%	8%	8%	16%	25%	5%	28%	3.7
4	Trophy fishing in large lakes	12%	10%	7%	12%	20%	9%	28%	3.6
5	Kokanee in large lakes	11%	11%	8%	13%	21%	4%	32%	3.5
6.5	Catch-and-release trout waters	15%	14%	8%	13%	20%	6%	26%	3.3
6.5	Quality trout waters	16%	13%	6%	14%	19%	6%	26%	3.3
8	Steelhead on large rivers using boats	19%	15%	8%	14%	12%	4%	29%	2.9
9	Chinook Salmon on large rivers using boats	18%	18%	6%	10%	14%	3%	30%	2.9
10	Backcountry trout waters	26%	16%	7%	6%	13%	4%	27%	2.7

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean ≥ 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	2%	1%	32%	13%	10%	27%	6%	8%
Rules	2%	1%	37%	6%	9%	22%	3%	20%
Reminders	1%	0%	12%	5%	11%	48%	15%	7%
Information articles	2%	1%	35%	16%	8%	31%	2%	6%
Opinion surveys	3%	1%	29%	7%	14%	37%	4%	7%

Appendix I. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	1%	1%	9%	27%	55%	7%	4.6
2	In general, the procedures IDFG uses to make decisions are fair to anglers	1%	2%	10%	33%	49%	5%	4.4
3	As an angler, I can freely express my points of view to IDFG decision makers	2%	5%	11%	28%	47%	7%	4.4
4	I think IDFG decision makers have anglers' best interests in mind	2%	6%	14%	32%	40%	6%	4.2
5	I think IDFG decision makers act in the interest of some groups over others	2%	10%	15%	33%	30%	10%	4.1
6	As an angler, my opinion influences a decision maker similar to the influence of others	4%	14%	16%	31%	30%	5%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	1%	2%	6%	25%	56%	10%	4.7
2	Can manage Idaho's fisheries	1%	4%	6%	30%	52%	8%	4.5
3	Thinks it is important to do the right thing for Idaho's fisheries	2%	2%	8%	27%	49%	11%	4.5
4	Is generally competent in their management of Idaho's fisheries	1%	3%	8%	30%	50%	8%	4.5
5	Has integrity in its management of Idaho's fisheries	2%	3%	8%	32%	46%	9%	4.4
6	Cares about the concerns that are important to anglers	1%	6%	13%	31%	41%	7%	4.3
7	Cares about anglers like me	2%	6%	14%	28%	44%	7%	4.3
8	Is concerned about the effects its decisions have on anglers	2%	6%	14%	30%	41%	8%	4.3
9	Would be honest with anglers if it managed fisheries poorly	6%	11%	23%	25%	31%	4%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix I. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	88.3
Hispanic or Latino	5.6
Don't know	2.5
Other	2.3
Indigenous (Native American or Alaskan native)	1.1
Asian	0.2

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	4.9
High school graduate	32.6
Two-year college degree	18.4
Four-year college degree	20.5
Vocational/trade school	11.7
Graduate/professional degree	12.0

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	11.8
\$20,000 - \$49,999	26.4
\$50,000 - \$99,999	21.9
\$75,000 - \$99,999	12.0
\$100,000 - \$149,999	18.5
\$150,000 - \$199,999	3.9
Greater than \$200,000	5.5

Appendix I. (continued)

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	65.0
Retired	23.0
Part-time employee	6.8
Unemployed	3.7
Temporary employee	1.4

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	69.2
1	13.1
2	8.2
3	7.6
4	1.5
5+	0.4

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

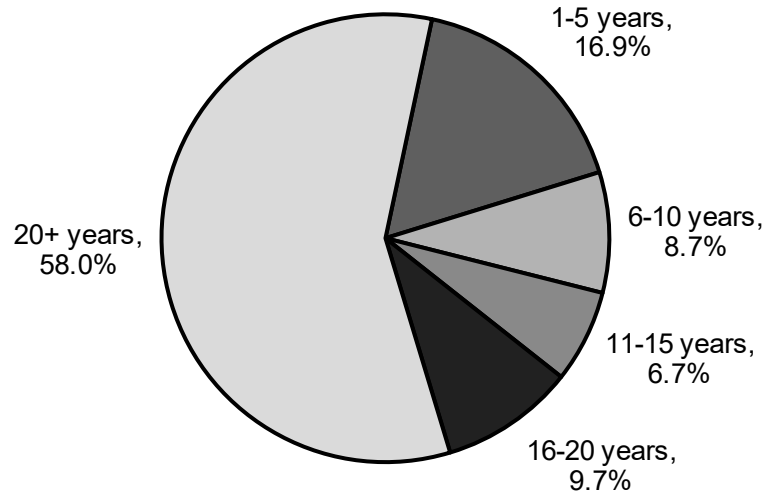
Children	Percent of cases
New angler under the age of 14	81.3%
New angler over the age of 14	11.1%
Someone who has not fished in a few years	23.4%

Note: This question was not weighted by age or region due to low response rate (34%). Results are from mail survey responses only.

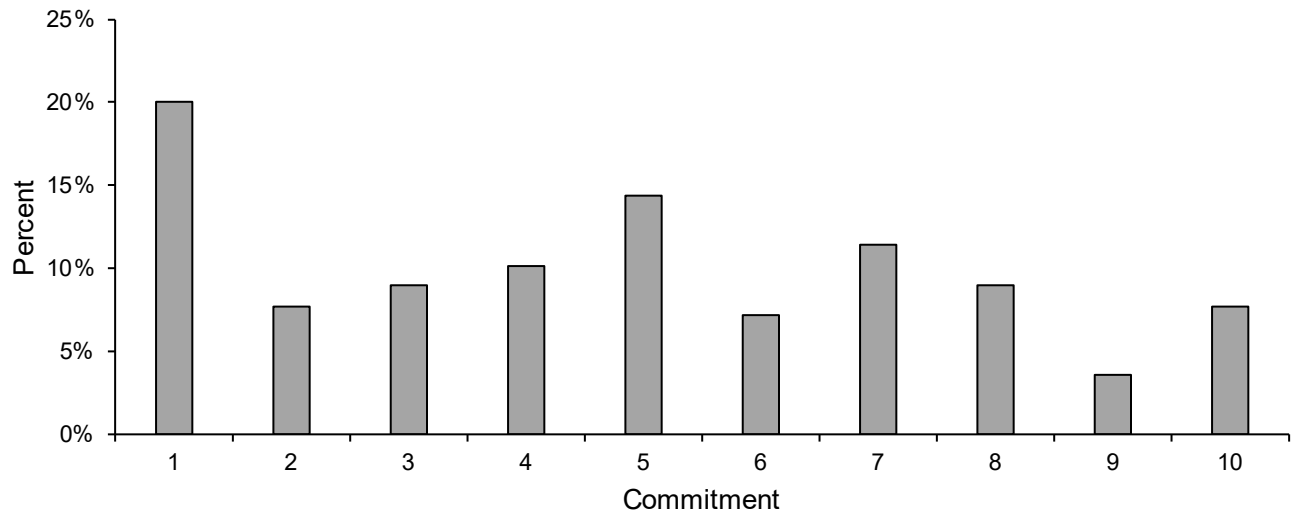
Appendix J. Survey results for the Southeast Region

Results are from 532 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.8

Appendix J. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	67.3%	25.2%	8.7%
2	Bass	9.8%	22.7%	8.7%
3	Anything that bites	6.8%	9.9%	42.1%
4	Steelhead	7.1%	10.2%	6.1%
5	Panfish (bluegill, perch, crappie)	2.1%	10.6%	7.8%
6	Kokanee	1.2%	7.8%	5.8%
7	Walleye	1.8%	2.2%	3.9%
8	Chinook salmon ocean run	2.1%	1.9%	2.9%
9	Sturgeon	0.9%	2.8%	2.6%
10	Catfish, Bullhead	0.0%	2.5%	5.5%
11	Carp, Sucker (other nongame)	0.3%	0.9%	3.2%
12	Northern pike, Tiger muskie	0.6%	0.9%	0.3%
13	Coho salmon ocean run	0.0%	1.2%	1.3%
14	Whitefish	0.0%	1.2%	1.0%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

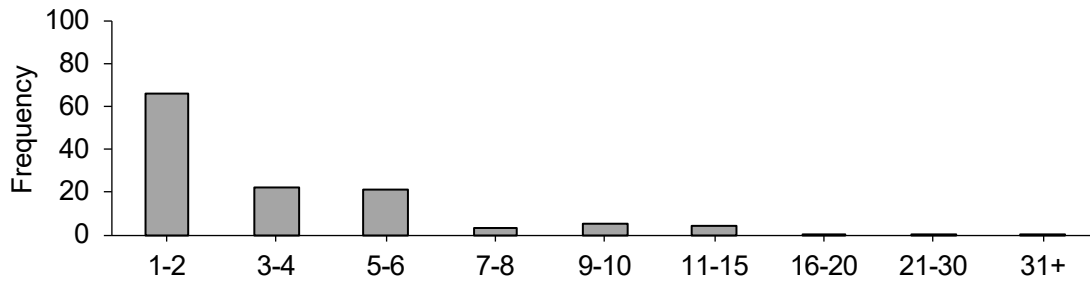
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Snake River	16.5%	21.0%	20.2%
2	American Falls Reservoir	20.3%	12.7%	13.9%
3	Henrys Lake	8.8%	6.1%	10.4%
4	Chesterfield Reservoir	7.3%	6.1%	3.5%
5	Salmon River	5.4%	6.1%	6.4%
6	Blackfoot Reservoir	3.8%	5.7%	6.9%
7	Bear River	3.8%	4.8%	6.4%
8	Snake River South Fork	3.8%	3.1%	2.9%
9	Bear Lake	3.8%	2.2%	2.9%
10	Oneida Narrows Reservoir	2.7%	3.9%	0.0%
12	Blackfoot River	2.3%	2.2%	2.3%
12	Henrys Fork Snake River	1.9%	2.6%	2.9%
12	Portneuf River	1.9%	3.1%	1.7%
14	Mackay Reservoir	1.9%	2.6%	1.7%
15	Glendale Reservoir	1.1%	2.6%	3.5%
16	Alexander Reservoir	1.5%	2.2%	1.7%
17.5	Any stream	1.5%	1.7%	2.3%
17.5	Cub River	1.5%	2.2%	1.2%
19	Twin Lakes	1.1%	2.2%	2.3%
20	Montpelier Reservoir	1.5%	1.3%	2.3%
21.5	Alpine lakes - backcountry	1.9%	0.9%	1.2%
21.5	Clearwater River	1.5%	1.3%	1.7%
23	Edson Fichter Pond	1.5%	0.9%	1.7%
24	Weston Reservoir	1.1%	1.7%	0.0%
25	Lamont Reservoir	1.1%	0.9%	0.0%

Appendix J. (continued)

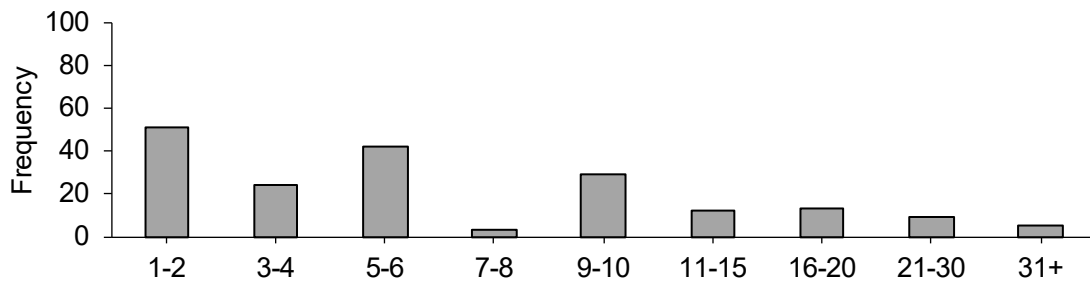
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	4.4	4.8	4.1
Local (community) fishing ponds	11.1	20.2	9.8
Lakes or reservoirs	14.8	21.8	15.1
Rivers or streams	16.3	18.4	15.9

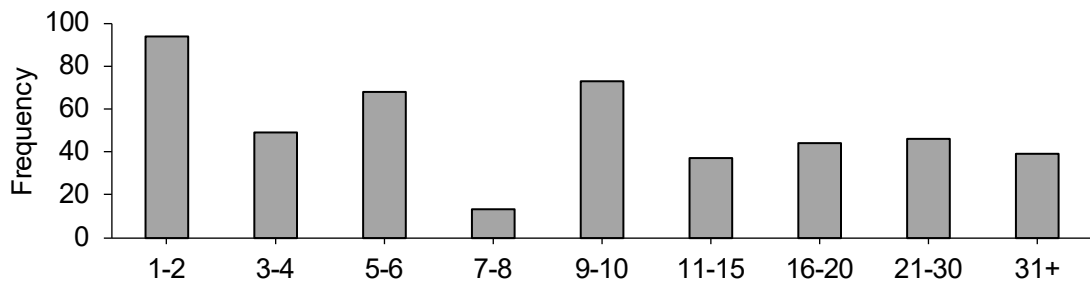
Backcountry Alpine Lake



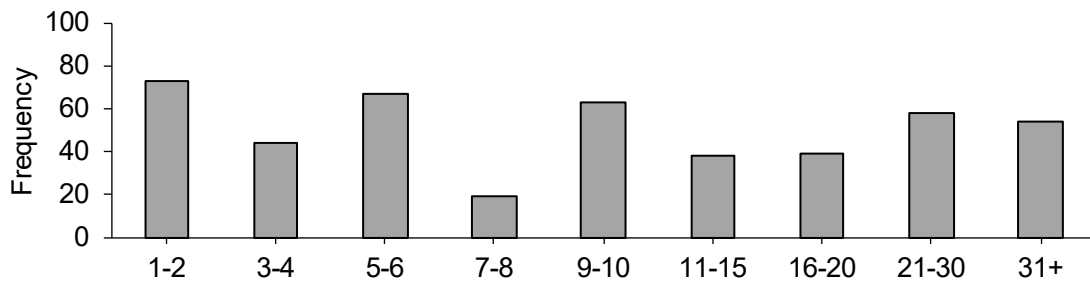
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix J. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

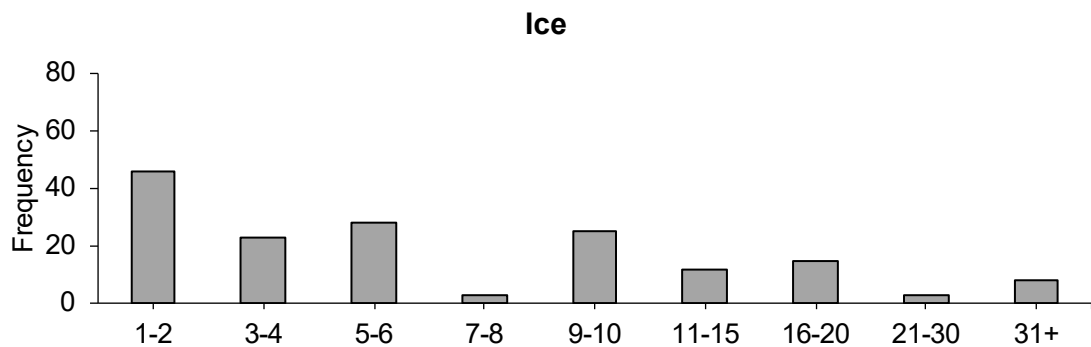
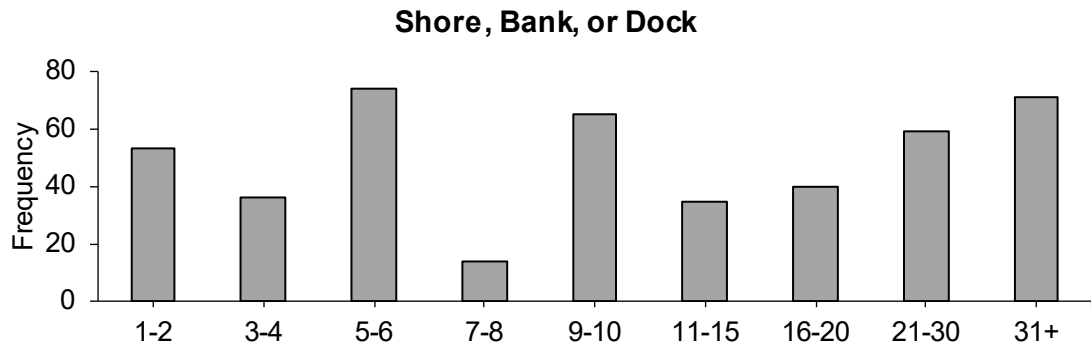
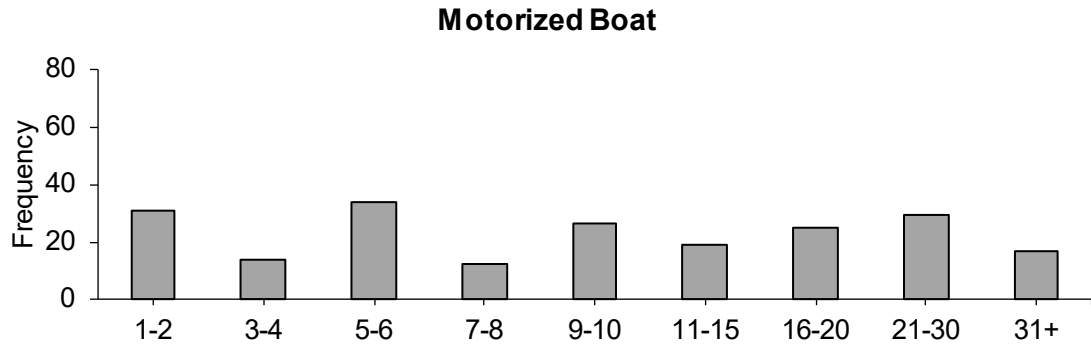
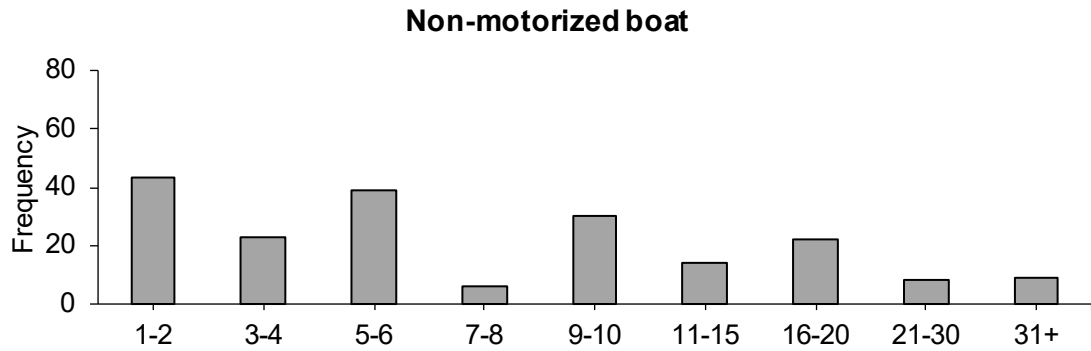
Watercraft	Percent of Cases
Motorboat	43.9%
Float tube	34.4%
Kayak	34.1%
Raft	13.6%
Canoe	11.0%
Drift boat	10.2%
Stand up paddleboard	9.6%
Kick boat	6.2%

Unweighted responses indicate 61% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	10.5	12.9	10.6
Motorized boat	14.9	18.1	15.4
Shore, bank, or dock	21.5	30.4	20.1
Ice	10.1	13.5	9.6

Appendix J. (continued)



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix J. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Bait	51.7%	30.7%	18.9%	2.0%
2	Lure or spin (artificial)	29.0%	53.4%	13.6%	2.8%
3	Fly	17.1%	13.4%	54.9%	13.1%
4	Archery or spearfish	2.2%	2.4%	12.5%	82.1%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	70.1%
2	With friends	19.3%
3	I fish alone	10.4%
4	With guide or outfitter	0.2%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.2	3.0	Maintaining existing fishing access sites
4.2	2.9	Improving fish habitat
4.0	3.1	Managing for native trout fisheries (cutthroat trout)
3.9	2.9	Improving existing fishing access sites
3.8	2.9	Managing for quality/trophy trout in rivers and streams
3.8	3.0	Using scientific information to inform management decisions
3.8	3.1	Managing hatchery-supported trout fisheries
3.8	2.9	Managing for quality/trophy trout in lakes and reservoirs
3.7	3.0	Managing catch-and-keep trout fisheries
3.5	2.9	Managing backcountry alpine lake trout fisheries
3.4	2.8	Creating new fishing access sites
3.4	3.0	Managing catch-and-release fisheries
3.3	2.8	Managing native nongame fish
3.3	3.0	Providing general fisheries information
3.1	3.0	Providing quality local (community) pond fishing options
2.9	2.8	Managing for quality/trophy bass fisheries
2.9	2.8	Managing for warm water fisheries (bass, crappie)
2.3	2.6	Providing classes on how to fish

Appendix J. (continued)

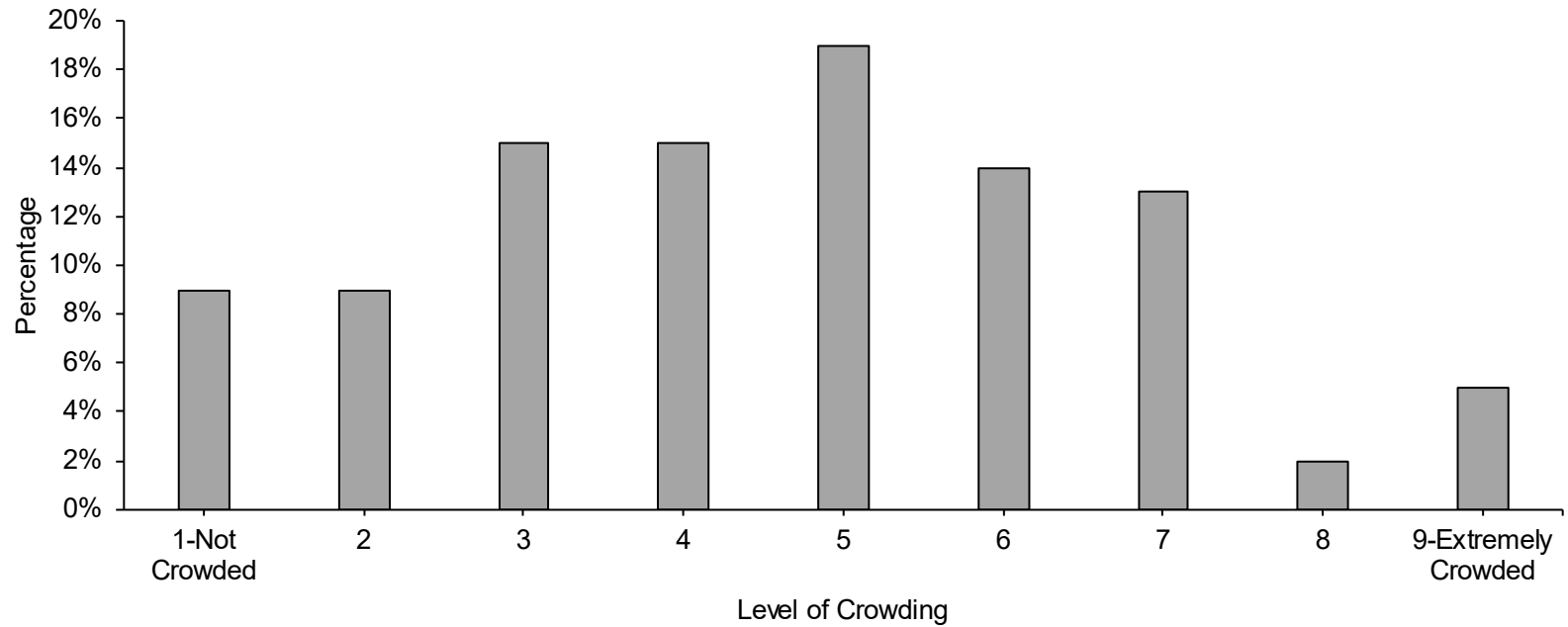
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	1%	4%	6%	15%	50%	22%	2%	4.8
2	The type of fish you catch	1%	4%	5%	19%	51%	16%	3%	4.7
3	Idaho fishing regulations	1%	3%	7%	18%	54%	13%	4%	4.6
4	Access to public fishing areas	1%	4%	10%	17%	51%	12%	5%	4.6
5	Access to quality trout lakes/reservoirs	1%	3%	8%	19%	50%	10%	8%	4.6
6	Fish habitat quality	1%	5%	10%	21%	50%	9%	4%	4.5
7	IDFG fishing access sites	2%	4%	8%	18%	49%	6%	14%	4.5
8	Idaho license fee cost	3%	6%	12%	15%	47%	14%	3%	4.4
9.5	The size of the fish you catch	2%	5%	12%	25%	41%	12%	3%	4.4
9.5	The number of anglers on the shore/bank	1%	2%	11%	19%	51%	4%	12%	4.4
11	Access to quality trout streams	1%	5%	14%	15%	48%	8%	8%	4.4
12.5	The number of anglers on the water	1%	4%	11%	20%	46%	4%	13%	4.4
12.5	The number of IDFG fishing access sites	2%	4%	11%	20%	46%	5%	13%	4.4
14	Parking at IDFG fishing and boating access sites	2%	4%	10%	16%	44%	6%	19%	4.4
15	The number of IDFG boat ramps	2%	3%	7%	17%	40%	5%	27%	4.4
16	Water quality	2%	6%	13%	22%	45%	9%	3%	4.3
17	The number of fish you catch	2%	7%	16%	19%	42%	11%	3%	4.3
18	The number of non-anglers on shore/bank	2%	5%	11%	16%	47%	4%	16%	4.3
19	The number of anglers on watercraft	2%	4%	12%	19%	43%	4%	16%	4.3
20	Traffic at IDFG fishing and boating access sites	2%	5%	10%	16%	41%	5%	20%	4.3
21	Access to trophy-quality fishing areas	1%	6%	14%	18%	37%	6%	18%	4.2
22	Access to ocean-run salmon/steelhead fisheries	3%	7%	9%	13%	32%	3%	34%	4.1
23	The number of non-anglers on the water	5%	7%	16%	16%	37%	3%	16%	4.0
24	The number of non-anglers on watercraft	6%	9%	17%	14%	33%	4%	17%	3.8

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix J. (continued)

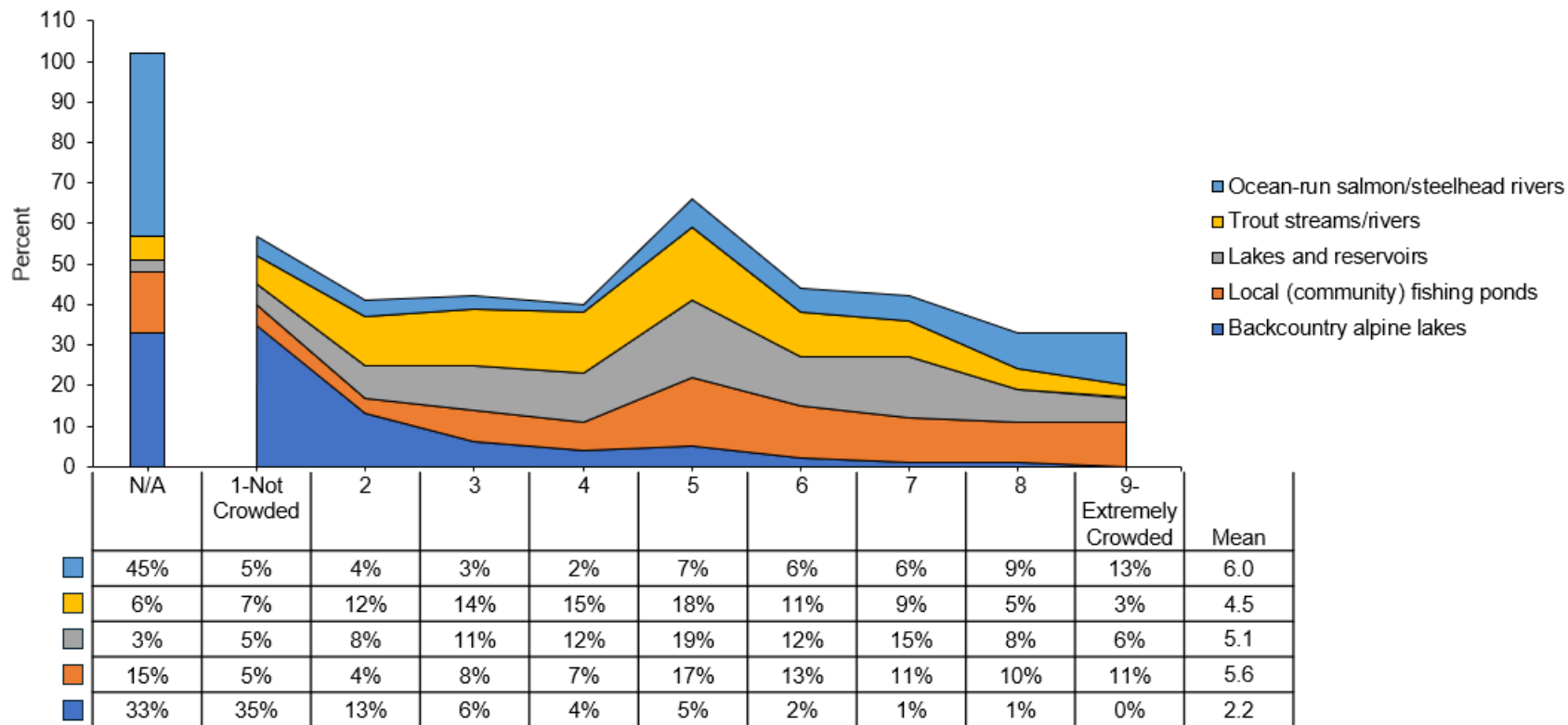
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 4.6 excluding blank responses.

Appendix J. (continued)

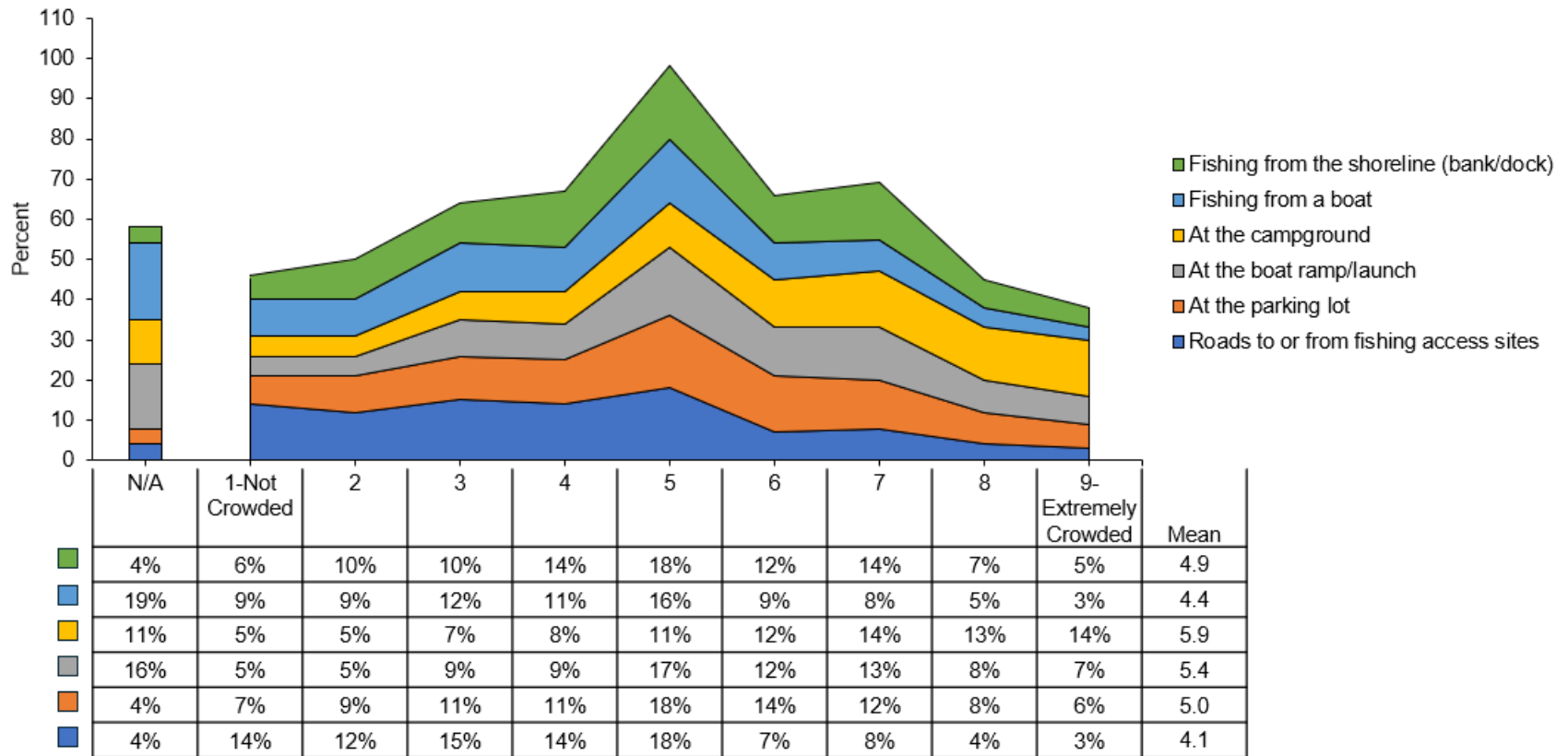
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix J. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix J. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	42.3
I fish on different days	24.4
I fish earlier or later in the day	14.7
I fish at different waterbodies	11.7
I stopped fishing	5.9
I fish for different species	1.1

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Other anglers on the shore or wading	33.4
Non-anglers in motorized boats	22.5
Other anglers in motorized boats	15.7
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	15.2
Guides and outfitters	7.3
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	5.8

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	11%	18%	30%	31%	10%
Limit IDFG access sites to license holders only	12%	22%	32%	25%	10%
Lottery draw with limited fishing permits on high-use waters	34%	34%	13%	3%	15%
Daily fishing fees required on high-use waters	37%	35%	14%	3%	10%

Highlighted rows indicate the majority response.

Appendix J. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	69.9
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	30.1

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is very important to me	2%	7%	7%	27%	34%	23%	4.5
2	Fishing is one of the most enjoyable things I do	2%	6%	9%	22%	39%	21%	4.5
3	Most of my friends are in some way connected with fishing	5%	15%	12%	28%	30%	9%	3.9
4	Participating in fishing says a lot about whom I am	6%	17%	16%	30%	20%	11%	3.7
5	Fishing occupies a central role in my life	9%	21%	20%	26%	18%	6%	3.4
6	Much of my life is organized around fishing	12%	27%	22%	20%	16%	4%	3.1

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix J. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To enjoy nature	1%	1%	9%	41%	49%	4.4
2	To be outdoors	1%	2%	9%	41%	48%	4.3
3	To get away from people	4%	6%	21%	37%	31%	3.9
4	To be with friends	5%	9%	26%	39%	22%	3.6
5	To develop my skills	15%	18%	33%	24%	10%	3.0
6	To catch wild fish	19%	17%	30%	25%	9%	2.9
7	To catch big fish	15%	21%	37%	16%	11%	2.9
8	To catch fresh fish for meal	23%	20%	24%	22%	11%	2.8
9	To catch native fish	23%	18%	30%	23%	6%	2.7
10	To test my equipment	28%	28%	32%	9%	4%	2.3
11	To be part of a group	35%	22%	27%	13%	4%	2.3
12	To catch as many fish as possible	34%	26%	27%	11%	2%	2.2
13	To catch hatchery fish	44%	23%	27%	6%	1%	2.0
14	To stock the freezer for off-season	51%	22%	17%	6%	3%	1.9

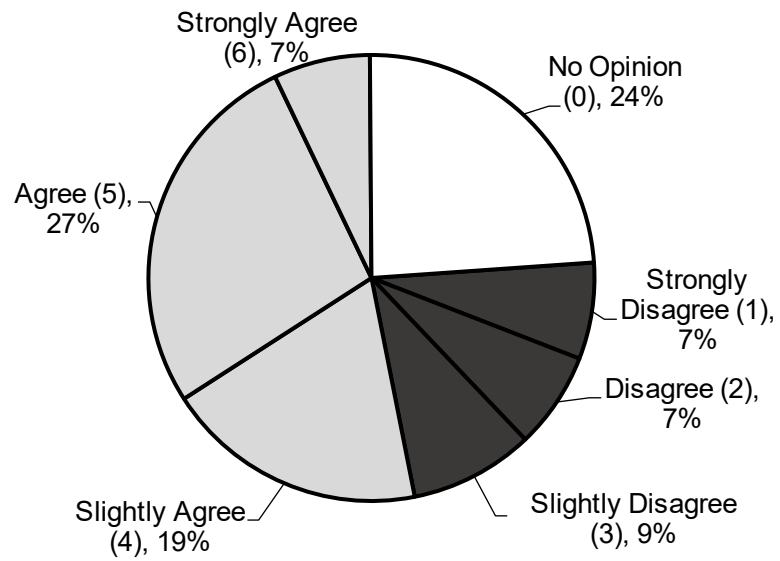
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	80.1
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	19.9

Appendix I. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 4.0 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	93.6
Yes	6.4

Appendix J. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	5%	7%	5%	20%	25%	8%	30%	4.1
2	Trophy fishing in large lakes	7%	9%	7%	16%	27%	6%	28%	3.9
3	Hatchery-supported trout waters	6%	11%	5%	21%	22%	6%	28%	3.8
4	Bass in rivers	6%	10%	7%	17%	21%	7%	32%	3.8
5	Kokanee in large lakes	8%	12%	9%	16%	17%	5%	34%	3.5
6	Catch-and-release trout waters	12%	12%	8%	12%	22%	5%	28%	3.5
7	Quality trout waters	14%	13%	8%	12%	19%	6%	27%	3.4
8.5	Steelhead on large rivers using boats	15%	17%	8%	12%	12%	3%	33%	3.0
8.5	Chinook Salmon on large rivers using boats	14%	16%	10%	12%	12%	2%	33%	3.0
10	Backcountry trout waters	23%	16%	8%	9%	11%	4%	29%	2.8

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean ≥ 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	1%	0%	43%	13%	9%	24%	3%	6%
Rules	1%	1%	41%	6%	10%	19%	3%	19%
Reminders	0%	0%	17%	4%	14%	44%	14%	7%
Information articles	0%	0%	38%	16%	9%	28%	2%	6%
Opinion surveys	2%	1%	30%	8%	16%	36%	3%	4%

Appendix J. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	1%	4%	8%	29%	53%	5%	4.4
2	In general, the procedures IDFG uses to make decisions are fair to anglers	2%	4%	8%	33%	48%	4%	4.4
3	As an angler, I can freely express my points of view to IDFG decision makers	1%	6%	14%	25%	48%	6%	4.3
4	I think IDFG decision makers have anglers' best interests in mind	2%	5%	16%	36%	37%	4%	4.1
5	I think IDFG decision makers act in the interest of some groups over others	1%	9%	15%	35%	30%	10%	4.1
6	As an angler, my opinion influences a decision maker similar to the influence of others	4%	12%	19%	33%	28%	4%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	0%	3%	7%	25%	57%	7%	4.6
2	Can manage Idaho's fisheries	0%	3%	8%	30%	53%	6%	4.5
3	Thinks it is important to do the right thing for Idaho's fisheries	1%	4%	9%	26%	52%	8%	4.5
4	Is generally competent in their management of Idaho's fisheries	1%	3%	10%	29%	52%	5%	4.4
5	Has integrity in its management of Idaho's fisheries	1%	5%	12%	27%	50%	6%	4.4
6	Is concerned about the effects its decisions have on anglers	2%	5%	14%	30%	42%	7%	4.3
7	Cares about the concerns that are important to anglers	1%	7%	13%	29%	44%	5%	4.2
8	Cares about anglers like me	2%	8%	12%	30%	42%	7%	4.2
9	Would be honest with anglers if it managed fisheries poorly	5%	13%	21%	26%	30%	5%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix J. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	91.1
Hispanic or Latino	4.2
Other	2.2
Indigenous (Native American or Alaskan native)	1.1
Don't know	0.7
Asian	0.6
Native Hawaiian or other Pacific Islander	0.2

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	2.5
High school graduate	38.0
Two-year college degree	14.2
Four-year college degree	19.6
Vocational/trade school	12.9
Graduate/professional degree	12.8

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	7.9
\$20,000 - \$49,999	25.2
\$50,000 - \$99,999	20.4
\$75,000 - \$99,999	18.6
\$100,000 - \$149,999	18.3
\$150,000 - \$199,999	5.8
Greater than \$200,000	3.8

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	68.8
Retired	21.4
Part-time employee	5.2
Unemployed	4.0
Temporary employee	0.5

Appendix J. (continued)

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	68.7
1	10.9
2	11.0
3	5.6
4	3.3
5+	0.6

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

Children	Percent of cases
New angler under the age of 14	83.2%
New angler over the age of 14	10.5%
Someone who has not fished in a few years	20.9%

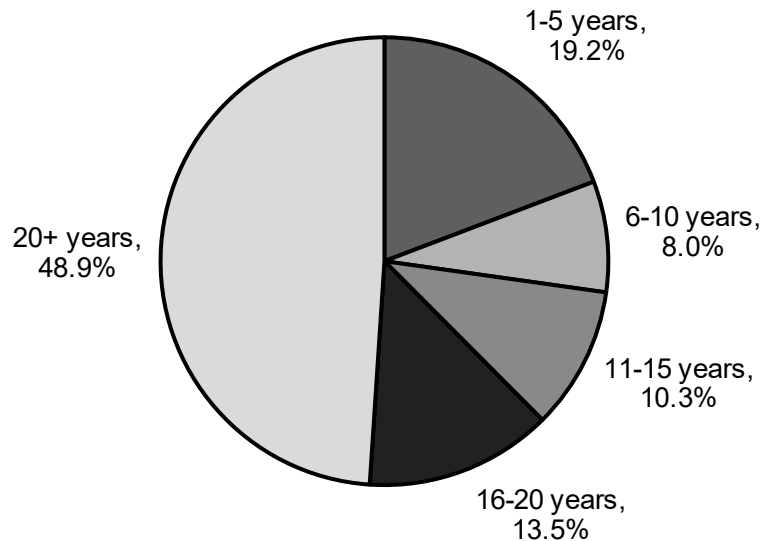
Note: This question was not weighted by age or region due to low response rate (36%). Results are from mail survey responses only.

Appendix K. (continued)

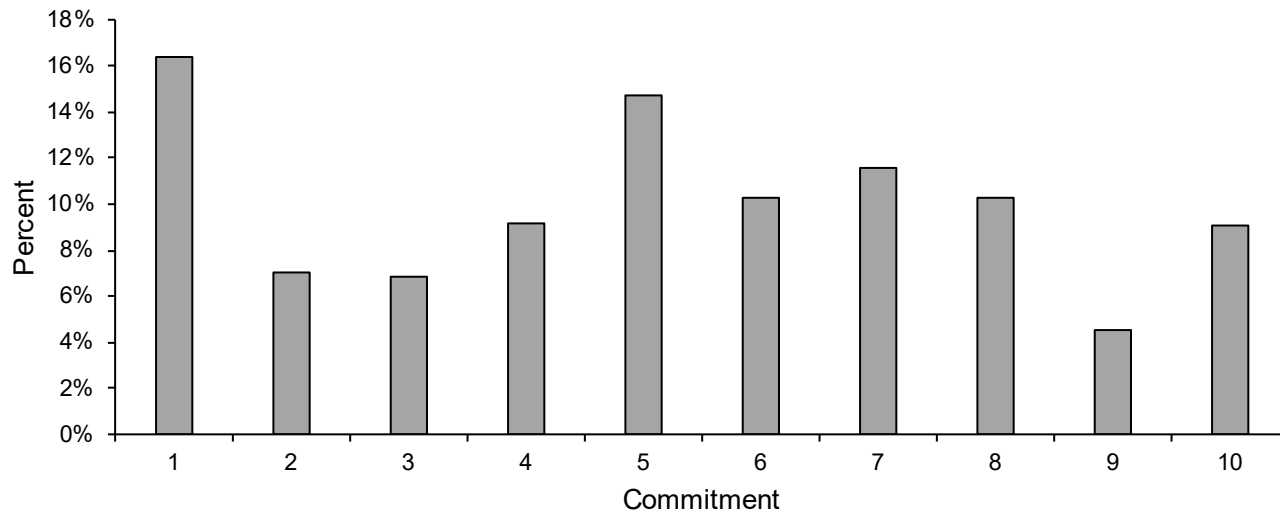
Appendix K. Survey results for the Upper Snake Region

Results are from 466 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 5.2

Appendix K. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	73.5%	21.4%	12.6%
2	Anything that bites	7.1%	11.8%	40.2%
3	Bass	6.2%	13.5%	7.5%
4	Steelhead	4.8%	15.2%	8.5%
5	Kokanee	2.5%	11.3%	6.8%
6	Panfish (bluegill, perch, crappie)	0.7%	5.8%	6.3%
7	Chinook salmon ocean run	2.1%	4.3%	4.3%
8	Sturgeon	1.6%	3.6%	4.5%
9	Catfish, Bullhead	0.7%	4.8%	2.0%
10	Walleye	0.9%	3.1%	2.3%
11	Carp, Sucker (other nongame)	0.0%	1.7%	2.3%
12	Whitefish	0.0%	1.9%	1.0%
13	Coho salmon ocean run	0.0%	1.0%	0.8%
14	Northern pike, Tiger muskie	0.0%	0.5%	1.0%

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 5 responses:

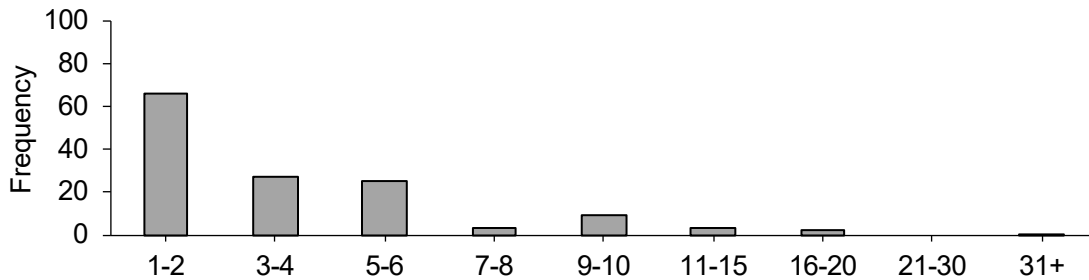
Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Henrys Lake	19.8%	15.1%	15.4%
2	Snake River	15.5%	16.6%	13.7%
3	Snake River South Fork	15.8%	7.4%	6.7%
4	Ririe Reservoir	7.5%	10.5%	13.0%
5	Henrys Fork Snake River	5.6%	14.8%	6.3%
6	Palisades Reservoir	5.6%	6.5%	7.4%
7	Teton River	5.6%	3.7%	4.2%
8	Salmon River	3.5%	4.0%	6.0%
9	Island Park Reservoir	1.6%	4.9%	6.0%
10	Birch Creek	3.8%	2.5%	1.1%
11	American Falls Reservoir	1.6%	3.1%	5.3%
12	Lake Walcott	3.2%	1.2%	1.8%
13	Blackfoot Reservoir	1.1%	2.5%	2.1%
14	Oakley Reservoir	0.8%	1.8%	2.8%
15	Mackay Reservoir	1.9%	0.3%	1.4%
16	Alpine lakes - backcountry	0.8%	1.5%	1.4%
17	Any lake	1.1%	0.9%	1.4%
18.5	Any stream	0.8%	1.2%	1.4%
18.5	Clearwater River	0.8%	1.2%	1.4%
20	Blackfoot River	0.5%	0.3%	1.1%
21	Little Lost River	0.8%	0.0%	0.0%
22	Camas Creek	0.5%	0.0%	0.4%
24	Baptie Lake	0.5%	0.0%	0.0%
24	Lake Pend Oreille	0.5%	0.0%	0.0%
24	Private Pond	0.5%	0.0%	0.0%

Appendix K. (continued)

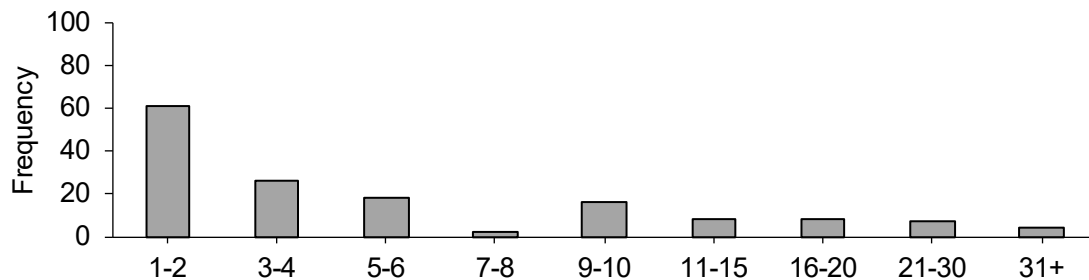
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	4.7	8.5	4.7
Local (community) fishing ponds	8.5	14.4	8.3
Lakes or reservoirs	12.5	16.9	11.7
Rivers or streams	20.9	28.8	19.7

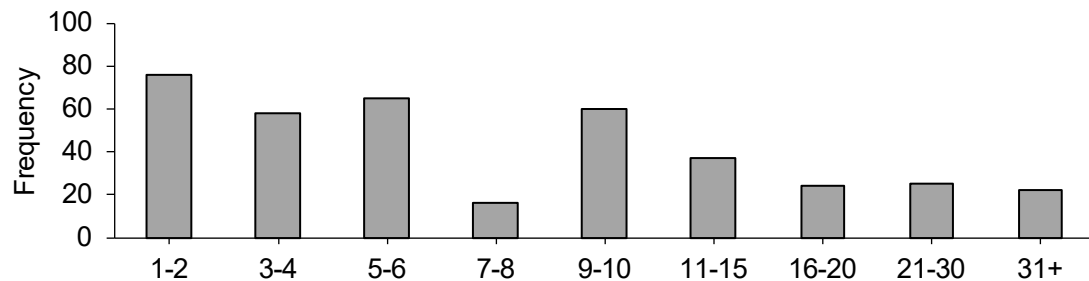
Backcountry Alpine Lake



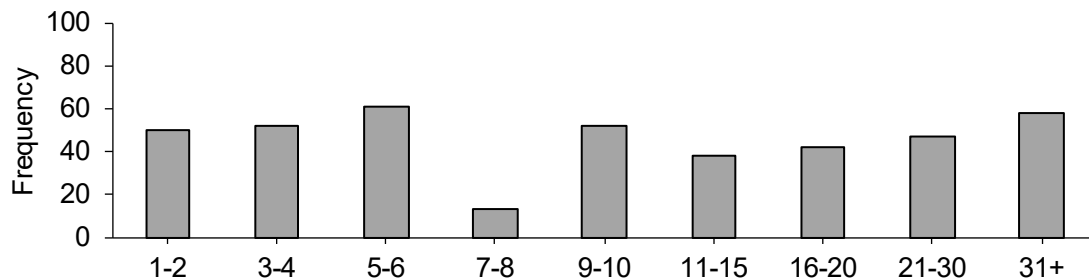
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix K. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

Watercraft	Percent of Cases
Motorboat	44.2%
Kayak	34.8%
Float tube	25.3%
Drift boat	21.9%
Canoe	17.1%
Raft	13.9%
Stand up paddleboard	9.5%
Kick boat	4.1%

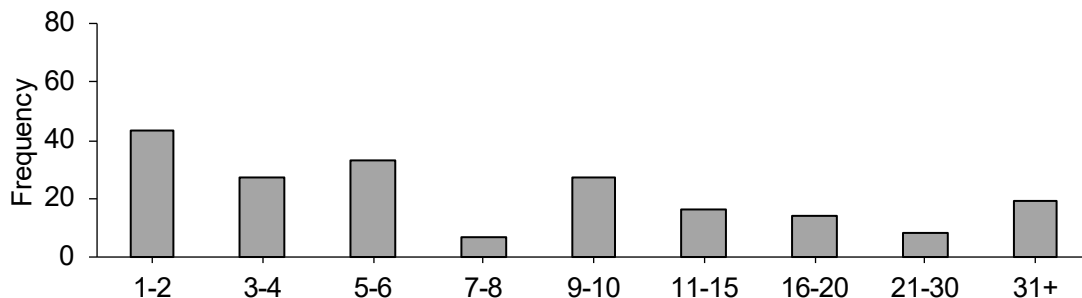
Unweighted responses indicate 64% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

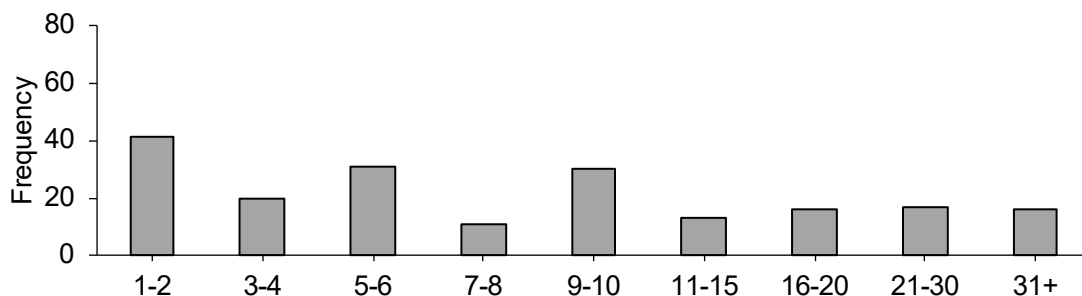
	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	13.7	21.8	13.9
Motorized boat	13.5	18.3	13.3
Shore, bank, or dock	21.8	30.5	19.4
Ice	8.5	9.0	7.8

Appendix K. (continued)

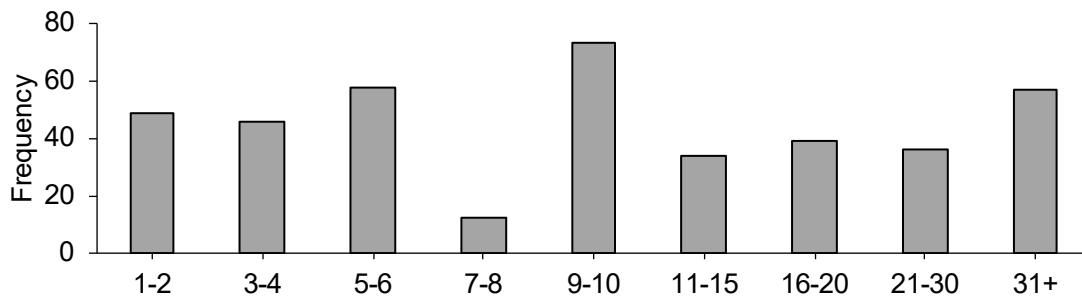
Non-motorized boat



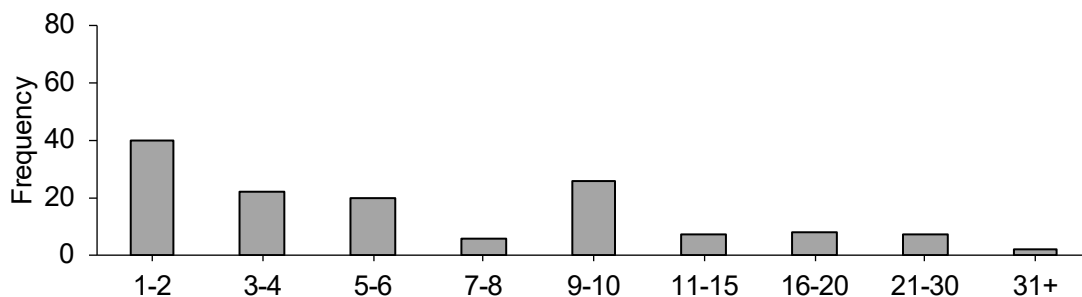
Motorized Boat



Shore, Bank, or Dock



Ice



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix K. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Bait	44.7%	27.6%	22.4%	6.4%
2	Lure or spin (artificial)	28.6%	51.3%	19.1%	2.6%
3	Fly	24.0%	19.5%	45.4%	9.9%
4	Archery or spearfish	2.6%	1.6%	13.0%	81.0%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	70.6%
2	With friends	21.7%
3	I fish alone	7.1%
4	With guide or outfitter	0.5%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
4.1	3.0	Maintaining existing fishing access sites
4.1	2.9	Improving fish habitat
3.9	3.1	Managing for native trout fisheries (cutthroat trout)
3.8	2.9	Managing for quality/trophy trout in rivers and streams
3.8	3.1	Managing hatchery-supported trout fisheries
3.8	3.0	Using scientific information to inform management decisions
3.7	3.0	Managing for quality/trophy trout in lakes and reservoirs
3.7	3.0	Managing catch-and-keep trout fisheries
3.7	2.9	Improving existing fishing access sites
3.5	2.9	Managing backcountry alpine lake trout fisheries
3.3	2.9	Managing catch-and-release fisheries
3.3	3.1	Providing general fisheries information
3.2	2.8	Creating new fishing access sites
3.2	2.8	Managing native nongame fish
2.9	3.0	Providing quality local (community) pond fishing options
2.8	2.8	Managing for warm water fisheries (bass, crappie)
2.8	2.8	Managing for quality/trophy bass fisheries
2.1	2.7	Providing classes on how to fish

Appendix K. (continued)

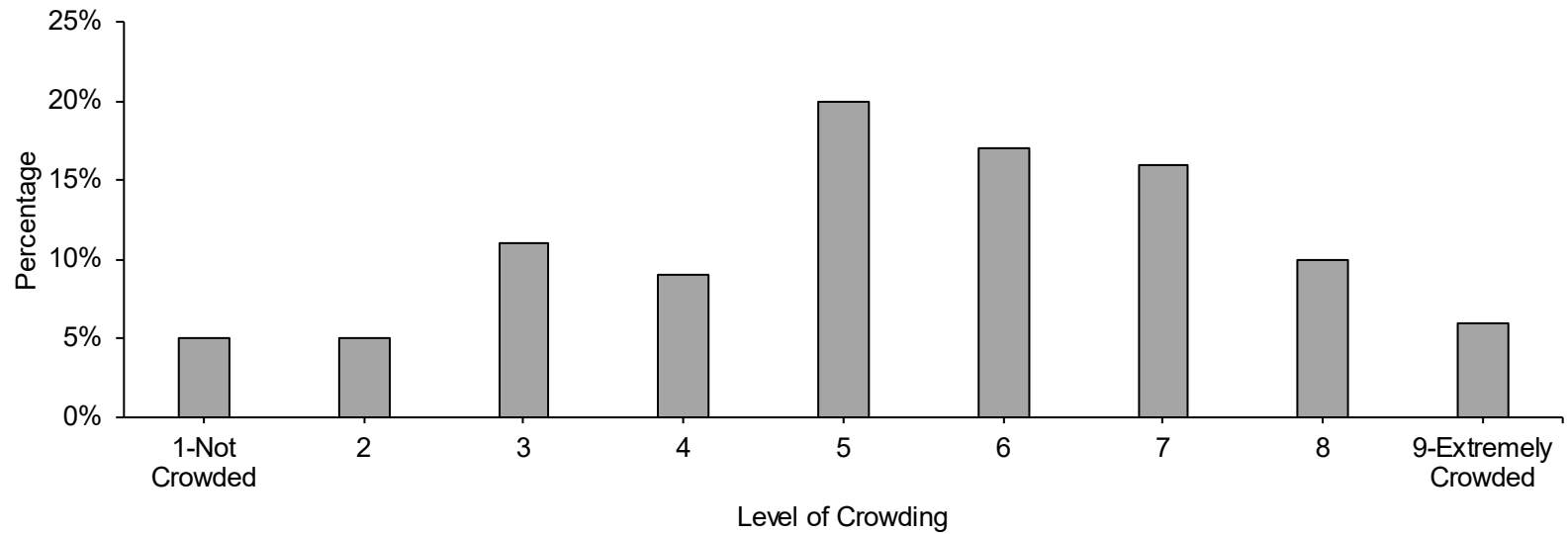
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Your overall fishing experience	1%	3%	6%	11%	49%	27%	3%	4.9
2	The type of fish you catch	2%	3%	6%	16%	50%	19%	4%	4.7
3	Idaho fishing regulations	1%	3%	7%	16%	53%	16%	3%	4.7
4.5	Fish habitat quality	2%	3%	7%	20%	49%	16%	4%	4.7
4.5	Access to quality trout lakes/reservoirs	2%	2%	5%	20%	50%	14%	7%	4.7
6	Water quality	2%	4%	7%	17%	48%	18%	4%	4.7
7	Access to public fishing areas	1%	3%	9%	22%	48%	12%	5%	4.6
8	IDFG fishing access sites	2%	4%	5%	22%	47%	9%	11%	4.5
9	Idaho license fee cost	4%	6%	10%	16%	46%	15%	4%	4.5
10	The number of IDFG boat ramps	2%	3%	7%	18%	43%	8%	20%	4.5
11.5	The size of the fish you catch	3%	4%	11%	24%	43%	11%	4%	4.4
11.5	Access to quality trout streams	4%	5%	9%	17%	45%	13%	7%	4.4
13	The number of IDFG fishing access sites	2%	5%	7%	21%	46%	7%	12%	4.4
14	Parking at IDFG fishing and boating access sites	2%	5%	10%	17%	46%	7%	14%	4.4
15	The number of fish you catch	2%	7%	13%	20%	43%	11%	4%	4.3
16	Access to trophy-quality fishing areas	4%	5%	10%	20%	42%	8%	12%	4.3
17	The number of anglers on the shore/bank	3%	5%	12%	21%	43%	6%	11%	4.3
18	The number of non-anglers on shore/bank	4%	7%	12%	20%	37%	5%	15%	4.1
19	Traffic at IDFG fishing and boating access sites	4%	7%	14%	16%	39%	5%	15%	4.1
20	The number of anglers on watercraft	6%	9%	14%	18%	36%	6%	12%	4.0
21	The number of anglers on the water	6%	6%	19%	18%	36%	4%	10%	4.0
22	Access to ocean-run salmon/steelhead fisheries	6%	7%	9%	18%	29%	4%	27%	4.0
23	The number of non-anglers on the water	10%	11%	17%	16%	27%	4%	15%	3.6
24	The number of non-anglers on watercraft	11%	13%	16%	16%	26%	3%	14%	3.5

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix K. (continued)

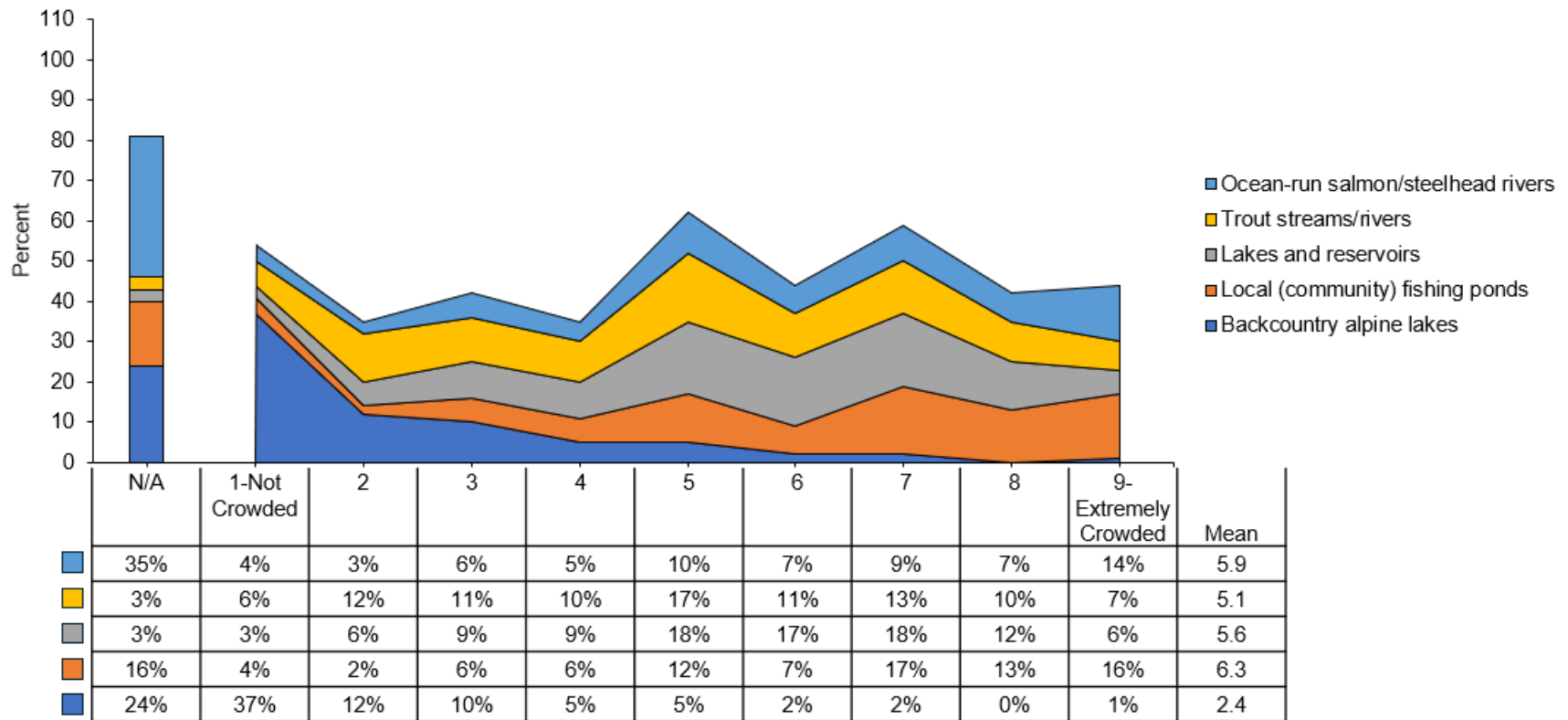
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 5.4 excluding blank responses.

Appendix K. (continued)

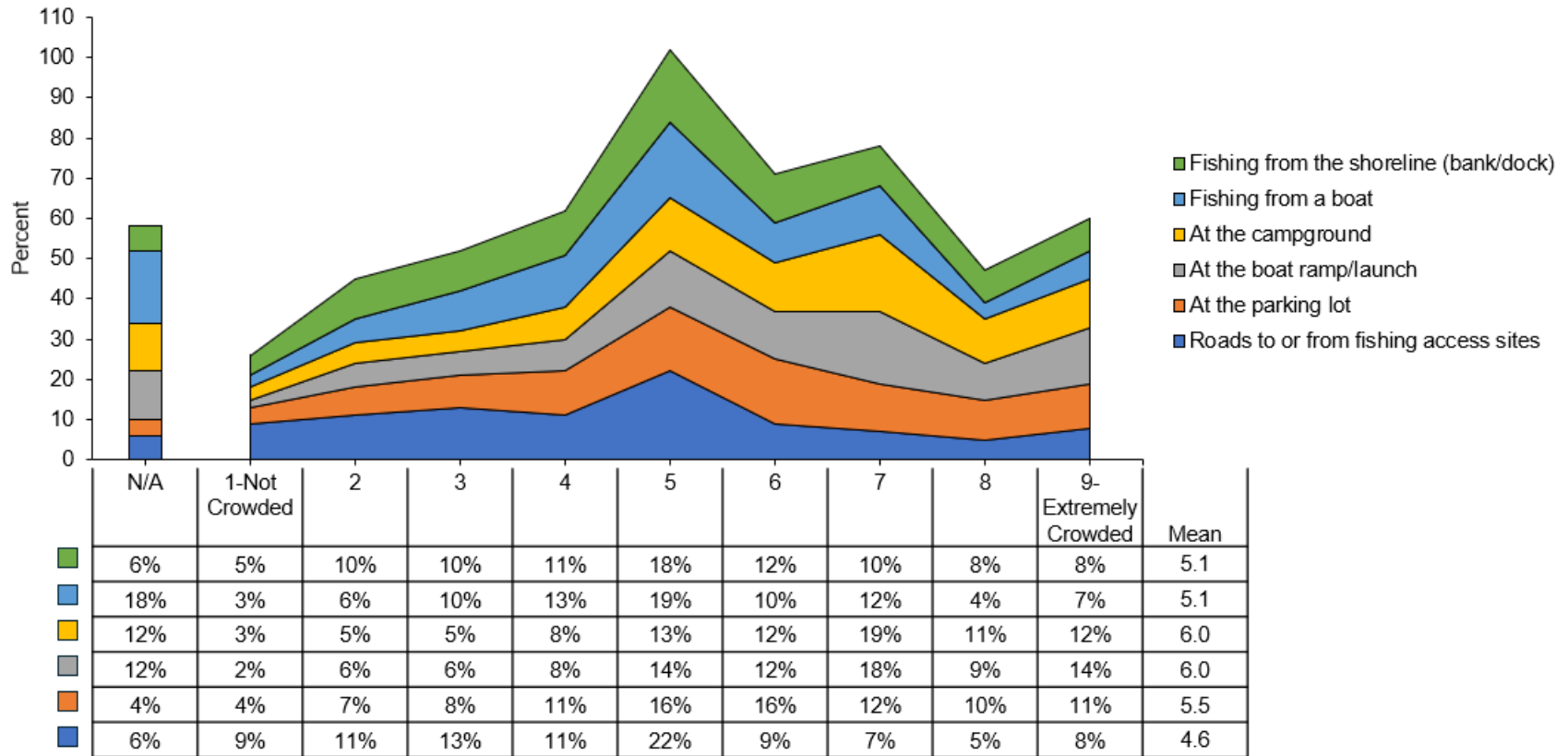
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix K. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix K. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	33.8
I fish on different days	25.2
I fish earlier or later in the day	17.7
I fish at different waterbodies	13.9
I stopped fishing	8.2
I fish for different species	1.3

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Non-anglers in motorized boats	23.8
Other anglers on the shore or wading	21.3
Guides and outfitters	20.6
Other anglers in motorized boats	14.3
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	13.7
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	6.3

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	9%	15%	38%	30%	8%
Limit IDFG access sites to license holders only	8%	18%	39%	22%	12%
Lottery draw with limited fishing permits on high-use waters	34%	32%	18%	5%	11%
Daily fishing fees required on high-use waters	34%	34%	19%	5%	9%

Highlighted rows indicate the majority response.

Appendix K. (continued)

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	67.5
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	32.5

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is very important to me	3%	5%	7%	29%	31%	25%	4.6
2	Fishing is one of the most enjoyable things I do	3%	6%	8%	26%	35%	22%	4.5
3	Most of my friends are in some way connected with fishing	5%	13%	13%	30%	30%	9%	3.9
4	Participating in fishing says a lot about whom I am	6%	18%	14%	27%	25%	10%	3.8
5	Fishing occupies a central role in my life	10%	23%	16%	24%	18%	10%	3.5
6	Much of my life is organized around fishing	11%	23%	20%	24%	15%	7%	3.3

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix K. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To enjoy nature	0%	1%	5%	42%	53%	4.5
2	To be outdoors	0%	1%	6%	39%	54%	4.5
3	To get away from people	4%	7%	18%	33%	38%	3.9
4	To be with friends	5%	10%	27%	36%	22%	3.6
5	To develop my skills	10%	16%	34%	29%	11%	3.1
6	To catch wild fish	16%	17%	30%	26%	11%	3.0
7	To catch big fish	11%	22%	37%	20%	10%	3.0
8	To catch native fish	18%	16%	35%	23%	7%	2.8
9	To catch fresh fish for meal	26%	22%	27%	14%	11%	2.6
10	To test my equipment	28%	24%	32%	12%	5%	2.4
11	To catch as many fish as possible	28%	25%	30%	13%	3%	2.4
12	To be part of a group	34%	23%	23%	15%	5%	2.4
13	To catch hatchery fish	39%	26%	28%	6%	1%	2.0
14	To stock the freezer for off-season	53%	18%	16%	7%	5%	1.9

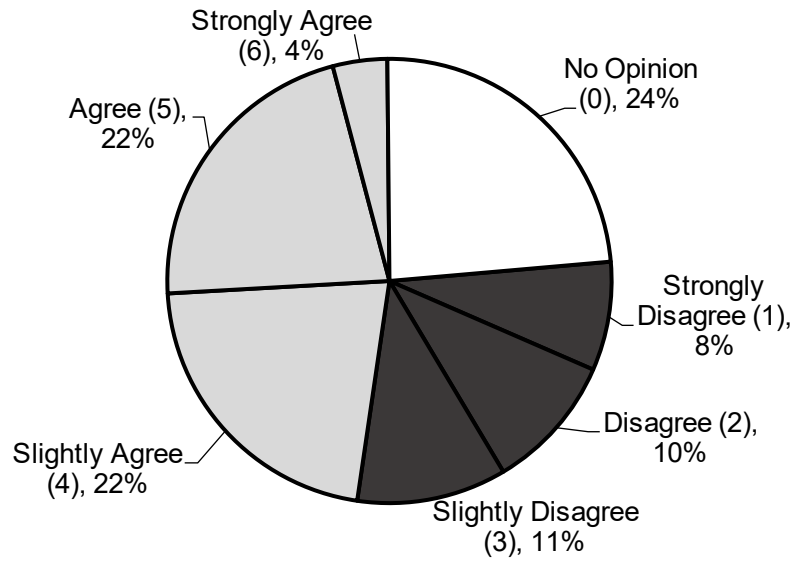
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	78.1
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	21.9

Appendix K. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 3.7 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	94.5
Yes	5.5

Appendix K. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	5%	8%	6%	19%	23%	9%	30%	4.0
2	Hatchery-supported trout waters	7%	11%	7%	21%	19%	7%	27%	3.8
3	Bass in rivers	7%	10%	10%	19%	19%	7%	29%	3.7
4	Trophy fishing in large lakes	9%	10%	7%	18%	19%	7%	30%	3.7
5	Kokanee in large lakes	10%	11%	7%	19%	17%	6%	31%	3.6
6	Catch-and-release trout waters	12%	13%	5%	16%	19%	5%	28%	3.5
7	Quality trout waters	16%	12%	11%	12%	16%	7%	27%	3.3
8	Chinook Salmon on large rivers using boats	17%	15%	11%	12%	13%	2%	30%	2.9
9	Steelhead on large rivers using boats	19%	14%	11%	10%	12%	3%	31%	2.9
10	Backcountry trout waters	22%	17%	10%	11%	10%	4%	27%	2.7

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries that average less than general agreement (4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	1%	1%	38%	12%	5%	34%	3%	7%
Rules	0%	1%	37%	2%	6%	29%	3%	23%
Reminders	0%	0%	13%	5%	13%	49%	13%	6%
Information articles	0%	0%	32%	21%	5%	33%	3%	5%
Opinion surveys	2%	2%	25%	8%	11%	45%	2%	5%

Appendix K. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	1%	4%	7%	26%	58%	5%	4.5
2	In general, the procedures IDFG uses to make decisions are fair to anglers	1%	4%	7%	32%	52%	4%	4.4
3	As an angler, I can freely express my points of view to IDFG decision makers	1%	5%	8%	35%	31%	6%	4.2
4	I think IDFG decision makers act in the interest of some groups over others	4%	8%	14%	34%	36%	10%	4.2
5	I think IDFG decision makers have anglers' best interests in mind	4%	8%	14%	34%	36%	5%	4.1
6	As an angler, my opinion influences a decision maker similar to the influence of others	7%	10%	16%	36%	29%	3%	3.8

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	0%	4%	7%	25%	56%	8%	4.6
2	Thinks it is important to do the right thing for Idaho's fisheries	2%	4%	6%	30%	48%	10%	4.5
3	Can manage Idaho's fisheries	0%	4%	9%	28%	53%	6%	4.5
4	Is generally competent in their management of Idaho's fisheries	0%	4%	9%	30%	53%	4%	4.4
5	Has integrity in its management of Idaho's fisheries	3%	4%	8%	31%	47%	8%	4.4
6	Cares about the concerns that are important to anglers	3%	6%	10%	35%	40%	5%	4.2
7	Is concerned about the effects its decisions have on anglers	4%	6%	11%	31%	42%	6%	4.2
8	Cares about anglers like me	5%	7%	11%	30%	41%	5%	4.1
9	Would be honest with anglers if it managed fisheries poorly	7%	14%	16%	32%	28%	4%	3.7

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Appendix K. (continued)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	89.4
Hispanic or Latino	4.3
Don't know	2.1
Other	2.0
Indigenous (Native American or Alaskan native)	0.8
Asian	0.6
Black or African American	0.4
Native Hawaiian or other Pacific Islander	0.4

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	1.9
High school graduate	31.0
Two-year college degree	15.9
Four-year college degree	25.4
Vocational/trade school	11.1
Graduate/professional degree	14.7

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	7.9
\$20,000 - \$49,999	23.9
\$50,000 - \$99,999	21.9
\$75,000 - \$99,999	17.0
\$100,000 - \$149,999	16.8
\$150,000 - \$199,999	6.5
Greater than \$200,000	5.9

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	67.2
Retired	18.9
Part-time employee	6.9
Unemployed	5.0
Temporary employee	2.0

Appendix K. (continued)

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	63.4
1	14.8
2	11.6
3	6.4
4	3.2
5+	0.6

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

Children	Percent of cases
New angler under the age of 14	86.8%
New angler over the age of 14	14.5%
Someone who has not fished in a few years	23.9%

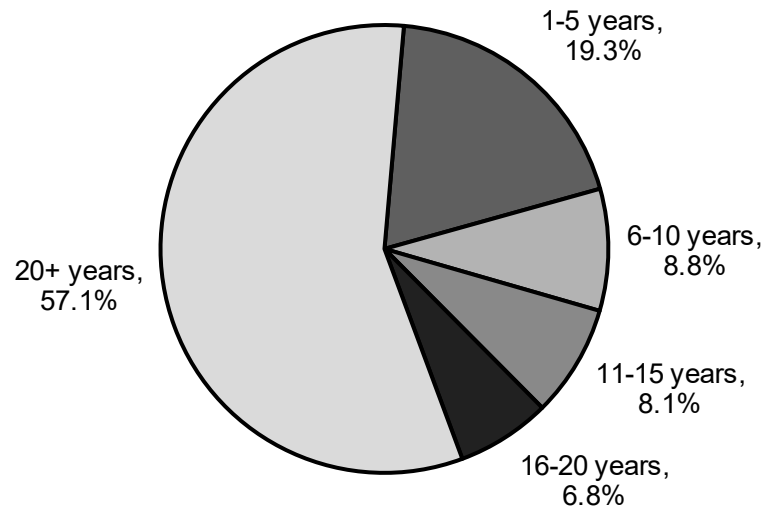
Note: This question was not weighted by age or region due to low response rate (34%). Results are from mail survey responses only.

Appendix L. (continued)

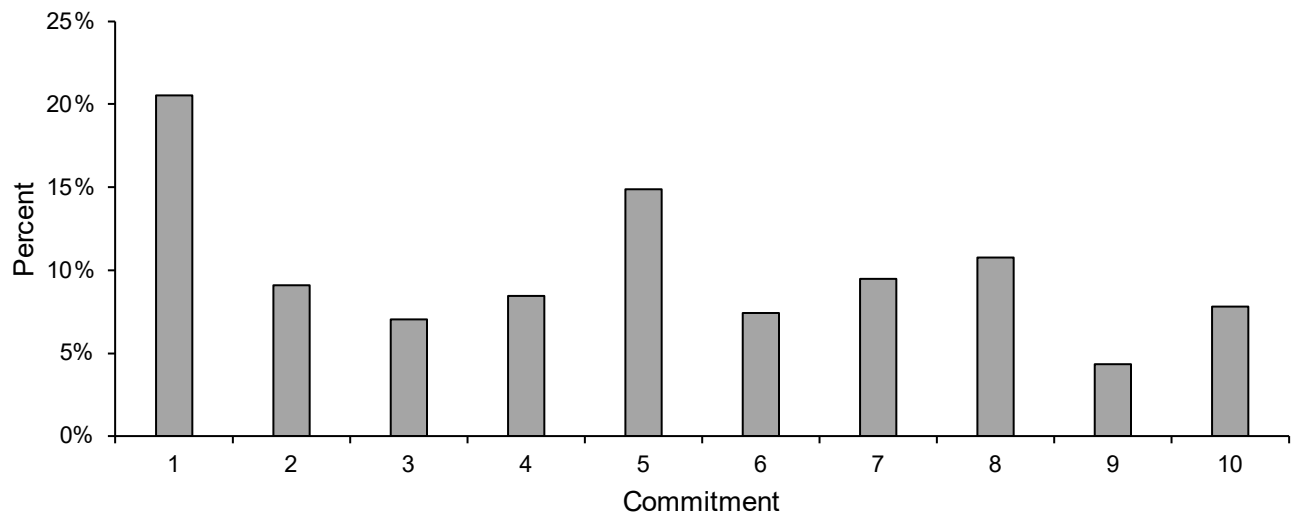
Appendix L. Survey results for the Salmon Region

Results are from 550 surveys and weighted by raking using the known statewide population distributions of age and region.

Question #1: How many YEARS of your life have you fished in Idaho?



Question #2: On a scale of 1-10 — 1 being casual to 10 being committed — how would you CLASSIFY YOURSELF as an angler?



Mean response is 4.8

Appendix L. (continued)

Question #3: From the following list, please select your three (3) MOST PREFERRED (favorite) fish to target in Idaho:

Rank	Species	1st Choice	2nd Choice	3rd Choice
1	Trout (cutthroat, rainbow, lake, brook, etc.)	53.7%	24.9%	16.8%
2	Steelhead	22.6%	27.2%	10.5%
3	Anything that bites	5.6%	8.2%	26.9%
4	Chinook salmon ocean run	3.7%	8.5%	8.7%
5	Kokanee	3.9%	8.5%	5.7%
6	Bass	3.1%	7.6%	8.3%
7	Panfish (bluegill, perch, crappie)	3.5%	6.4%	5.2%
8	Walleye	1.5%	2.0%	2.0%
9	Catfish, Bullhead	0.7%	2.4%	2.8%
10	Whitefish	0.2%	1.8%	4.4%
11	Sturgeon	0.2%	0.6%	4.8%
12	Northern pike, Tiger muskie	0.6%	1.2%	2.0%
13	Coho salmon ocean run	0.6%	0.6%	1.5%
14	Carp, Sucker (other nongame)	0.2%	0.2%	0.4%

The results shown have not been weighted by age or region.

Appendix L. (continued)

Question #4: Please list (write in) your three (3) MOST PREFERRED (favorite) waters to fish in Idaho (for example, Henry's Lake, Dworshak Reservoir, American Falls, etc.). Top 25 responses:

Rank	Waters	1st Choice	2nd Choice	3rd Choice
1	Salmon River	45.3%	22.8%	20.4%
2	Alpine lakes - backcountry	9.2%	8.4%	10.2%
3	Mackay Reservoir	7.2%	6.7%	7.3%
4	Lemhi River	5.8%	8.1%	8.0%
5	Snake River	2.0%	7.3%	7.6%
6	Williams Lake	2.7%	4.8%	8.0%
7	Wallace Lake	3.6%	5.1%	2.5%
8	Big Lost River	3.8%	4.5%	2.2%
9	CJ Strike Reservoir	3.8%	2.0%	1.1%
10	Hayden Creek Pond	1.8%	3.1%	4.4%
11	Any stream	1.8%	3.1%	3.3%
12	Bayhorse Lakes	2.2%	2.0%	2.9%
13	Middle Fork Salmon River	2.0%	1.7%	1.1%
14	Mosquito Flat Reservoir	1.1%	3.1%	1.5%
15	Panther Creek	0.9%	2.8%	2.5%
16	Henry's Lake	1.1%	2.2%	2.2%
17	Jimmy Smith Lake	0.7%	2.5%	0.0%
18.5	Dworshak Reservoir	1.1%	1.1%	1.1%
18.5	American Falls Reservoir	1.6%	0.0%	1.8%
20	North Fork Salmon River	0.7%	1.7%	0.7%
21	Anderson Ranch Reservoir	0.7%	1.4%	1.1%
22.5	Any lake	0.4%	1.1%	2.5%
22.5	Clearwater River	0.0%	1.4%	4.0%
24.5	Pahsimeroi River	0.4%	1.4%	1.1%
24.5	Iron Lake	0.0%	1.7%	2.5%

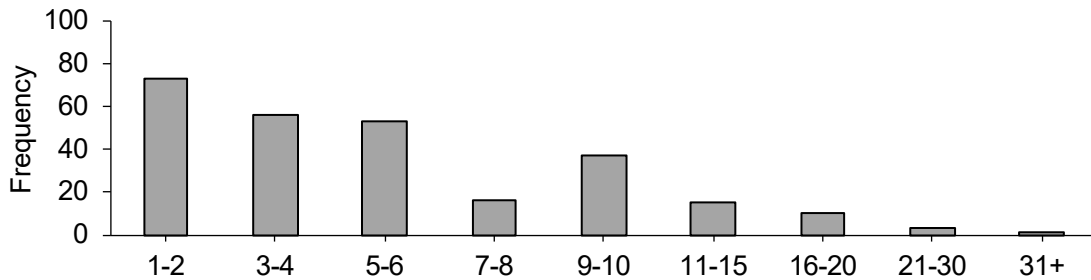
The results shown have not been weighted by age or region.

Appendix L. (continued)

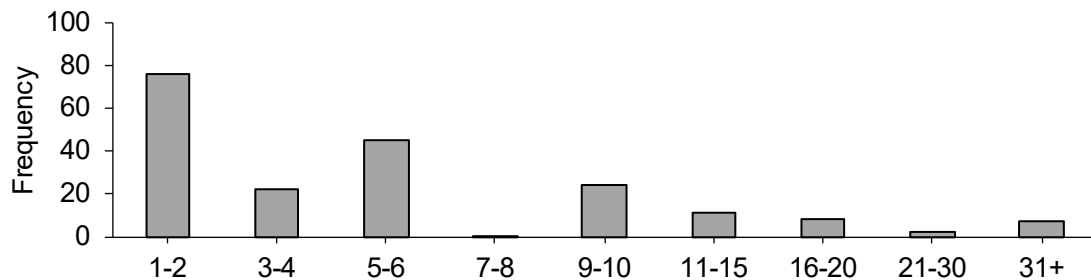
Question #5: In a typical year, please estimate HOW MANY DAYS you fish on the following types of waters in Idaho? Enter 0 or leave blank if not applicable.

Waters	Rake Weighted Mean	SD	Unweighted Mean
Backcountry alpine lake	6.8	8.6	6.6
Local (community) fishing ponds	8.3	21.5	9.3
Lakes or reservoirs	9.3	11.4	10.1
Rivers or streams	18.2	27.4	18.4

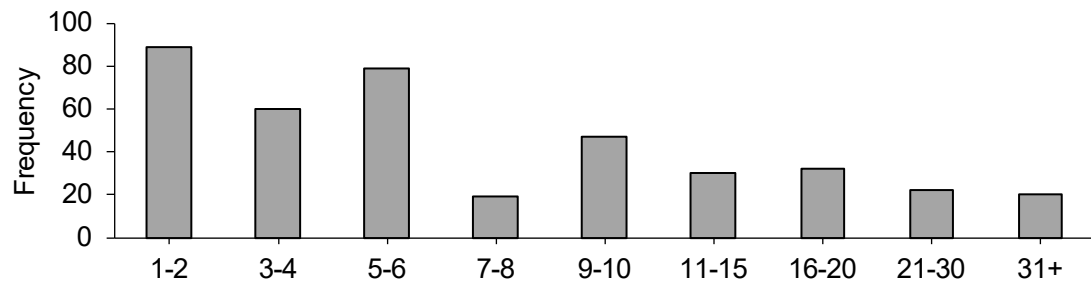
Backcountry Alpine Lake



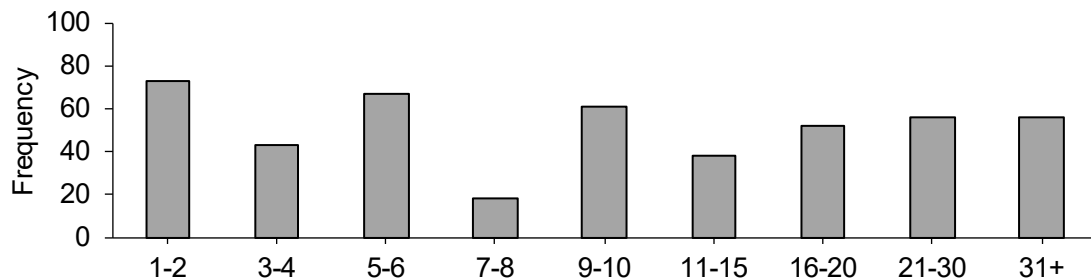
Local (Community) Fishing Ponds



Lakes or Reservoirs



Rivers or Streams



Histograms of the number of days spent on different water bodies. The results shown have not been weighted by age or region.

Appendix L. (continued)

Question #6: For the PURPOSES OF FISHING, which of the following do you own? Check all that apply.

Watercraft	Percent of Cases
Raft	42.4%
Motorboat	35.5%
Drift boat	30.7%
Kayak	29.7%
Float tube	28.6%
Canoe	15.9%
Kick boat	9.3%
Stand up paddleboard	8.2%

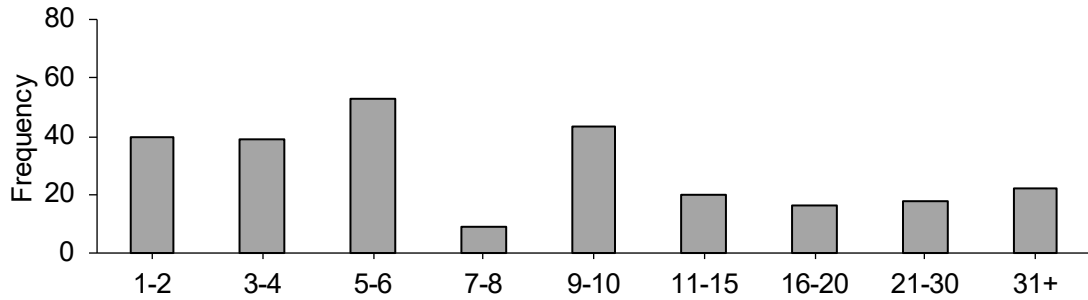
Unweighted responses indicate 64% of respondents report owning at least one type of fishing vessel.

Question #7: In a typical year, please estimate HOW MANY DAYS you fish from the following in Idaho? Enter 0 or leave blank if not applicable.

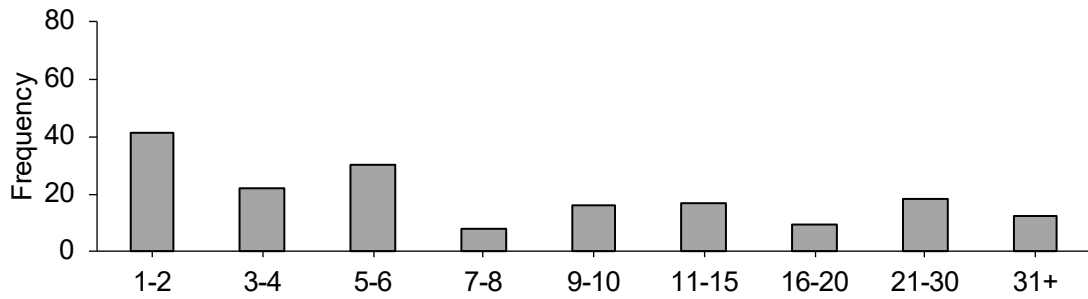
	Rake Weighted Mean	SD	Unweighted Mean
Non-motorized boat	13.1	6.0	13.1
Motorized boat	11.7	5.0	12.7
Shore, bank, or dock	20.2	10.0	20.4
Ice	6.7	3.0	7.1

Appendix L. (continued)

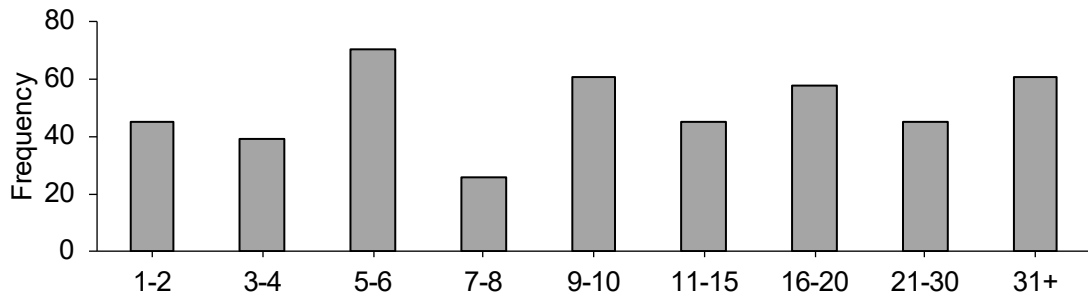
Non-motorized boat



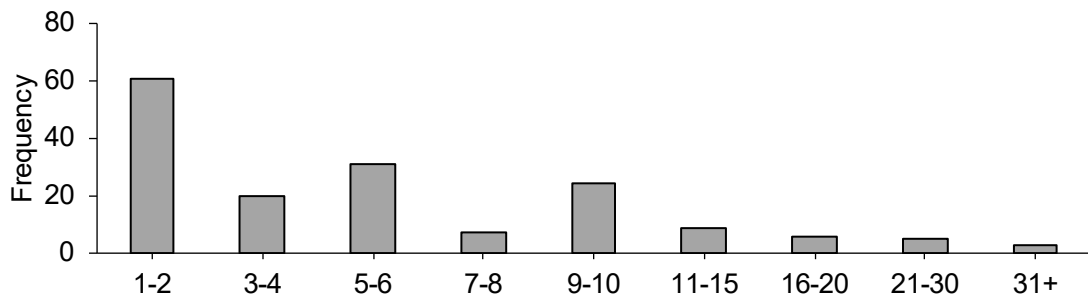
Motorized Boat



Shore, Bank, or Dock



Ice



Histograms of the number of days spent fishing from different vessels. The results shown have not been weighted by age or region.

Appendix L. (continued)

Question #8: Please rank your PREFERRED fishing gear/method from most to least used. Enter 1 for most used and 4 for least used.

Rank	Gear/Method	1st Choice	2nd Choice	3rd Choice	4th Choice
1	Lure or spin (artificial)	29.5%	47.4%	23.5%	3.4%
2	Bait	36.4%	31.6%	29.4%	3.4%
3	Fly	31.8%	18.4%	41.2%	3.4%
4	Archery or spearfish	2.3%	2.6%	5.9%	89.7%

Question #9: Which of the following best describes how you PREFER to fish during a typical fishing trip in Idaho?

Rank	Preference	Percentage
1	With family	55.6%
2	With friends	22.7%
3	I fish alone	20.6%
4	With guide or outfitter	1.1%

Questions #10 and #11. Question #10: Please tell us HOW IMPORTANT each of the following Department fisheries management activities are to your satisfaction with fishing in Idaho. Means are determined from response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5). Question #11: Please tell us HOW GOOD OF A JOB the Department is doing in relation to each of the following fisheries management activities. Means are determined from response categories: poor (1), fair (2), good (3), very good (4), and excellent (5).

Mean-Importance	Mean-Performance	Management Activity
3.9	3.0	Maintaining existing fishing access sites
3.7	2.9	Improving fish habitat
3.7	2.9	Managing for native trout fisheries (cutthroat trout)
3.5	2.8	Using scientific information to inform management decisions
3.5	2.8	Managing backcountry alpine lake trout fisheries
3.4	3.0	Managing hatchery-supported trout fisheries
3.4	2.7	Managing for quality/trophy trout in rivers and streams
3.4	2.8	Improving existing fishing access sites
3.3	2.9	Managing catch-and-keep trout fisheries
3.2	2.8	Managing for quality/trophy trout in lakes and reservoirs
3.2	3.0	Providing general fisheries information
3.1	2.8	Managing catch-and-release fisheries
3.1	2.6	Managing native nongame fish
3.0	2.7	Creating new fishing access sites
3.0	3.1	Providing quality local (community) pond fishing options
2.6	2.7	Managing for warm water fisheries (bass, crappie)
2.3	2.7	Managing for quality/trophy bass fisheries
2.0	2.6	Providing classes on how to fish

Response categories: not at all important (1), slightly important (2), somewhat important (3), very important (4), extremely important (5).

Appendix L. (continued)

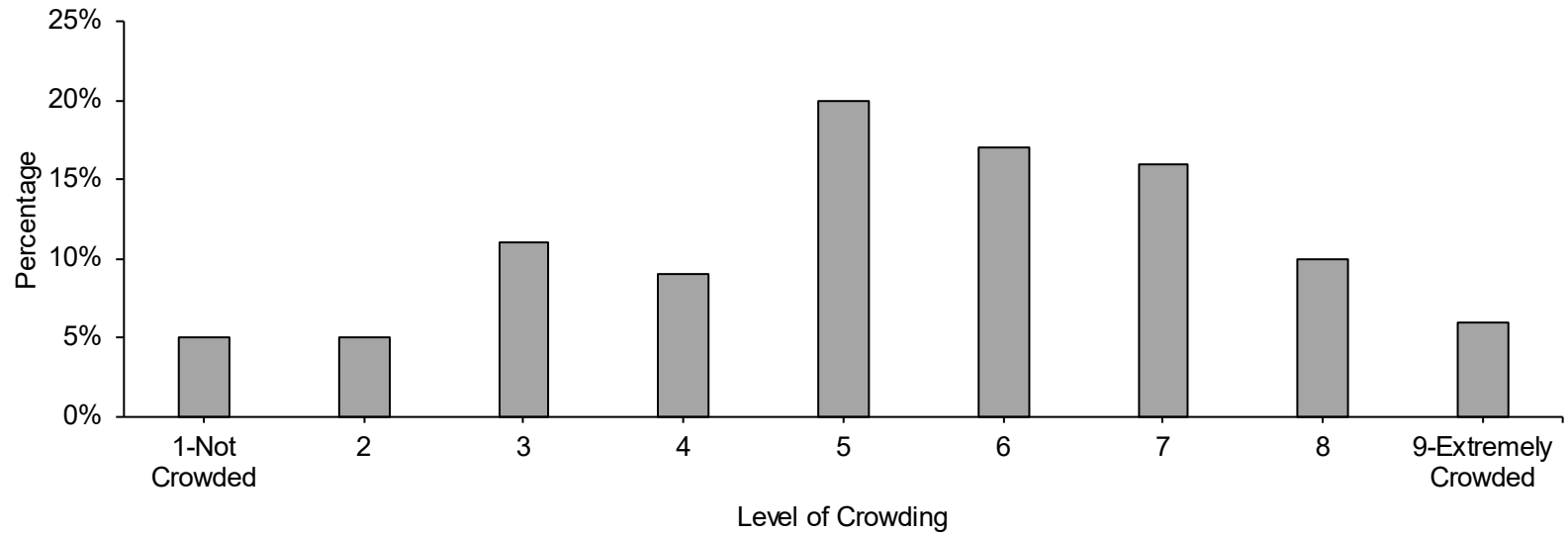
Question #12a-d): In general, how SATISFIED are you with the following in Idaho?

Rank	Topic	1	2	3	4	5	6	0	Mean
1	Idaho license fee cost	4%	3%	5%	13%	52%	21%	3%	4.7
2.5	Your overall fishing experience	4%	3%	6%	14%	49%	20%	3%	4.7
2.5	Water quality	2%	4%	9%	13%	49%	20%	3%	4.7
4	The type of fish you catch	3%	4%	9%	15%	47%	18%	5%	4.6
5	Access to public fishing areas	2%	4%	8%	17%	49%	14%	6%	4.6
6	Access to quality trout lakes/reservoirs	2%	4%	6%	18%	48%	13%	9%	4.6
7	IDFG fishing access sites	1%	3%	7%	18%	49%	9%	13%	4.6
8	Fish habitat quality	2%	5%	9%	20%	48%	13%	4%	4.5
9	Idaho fishing regulations	3%	5%	10%	17%	48%	14%	3%	4.5
10.5	The number of IDFG boat ramps	1%	3%	7%	18%	45%	8%	18%	4.5
10.5	Parking at IDFG fishing and boating access sites	1%	4%	7%	18%	46%	8%	15%	4.5
12	The number of IDFG fishing access sites	2%	3%	10%	17%	48%	7%	14%	4.5
13	The size of the fish you catch	3%	4%	12%	19%	46%	11%	5%	4.4
14	Access to quality trout streams	3%	5%	12%	17%	44%	13%	7%	4.4
15	The number of non-anglers on shore/bank	3%	3%	10%	14%	46%	5%	19%	4.4
16	Traffic at IDFG fishing and boating access sites	2%	4%	10%	17%	43%	5%	18%	4.4
17	The number of fish you catch	4%	6%	13%	19%	40%	13%	6%	4.3
18	The number of anglers on the shore/bank	3%	5%	13%	16%	46%	6%	11%	4.3
19	The number of anglers on watercraft	2%	6%	12%	15%	46%	5%	14%	4.3
20	The number of anglers on the water	2%	7%	13%	15%	47%	5%	12%	4.3
21	The number of non-anglers on the water	4%	5%	10%	16%	41%	5%	18%	4.2
22	The number of non-anglers on watercraft	3%	7%	11%	15%	38%	6%	20%	4.2
23	Access to trophy-quality fishing areas	3%	5%	13%	21%	33%	6%	17%	4.1
24	Access to ocean-run salmon/steelhead fisheries	6%	9%	11%	17%	32%	9%	16%	4.0

Response categories: no opinion (0), very dissatisfied (1), dissatisfied (2), slightly dissatisfied (3), slightly satisfied (4), satisfied (5), very satisfied (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average less than general satisfaction (4.0).

Appendix L. (continued)

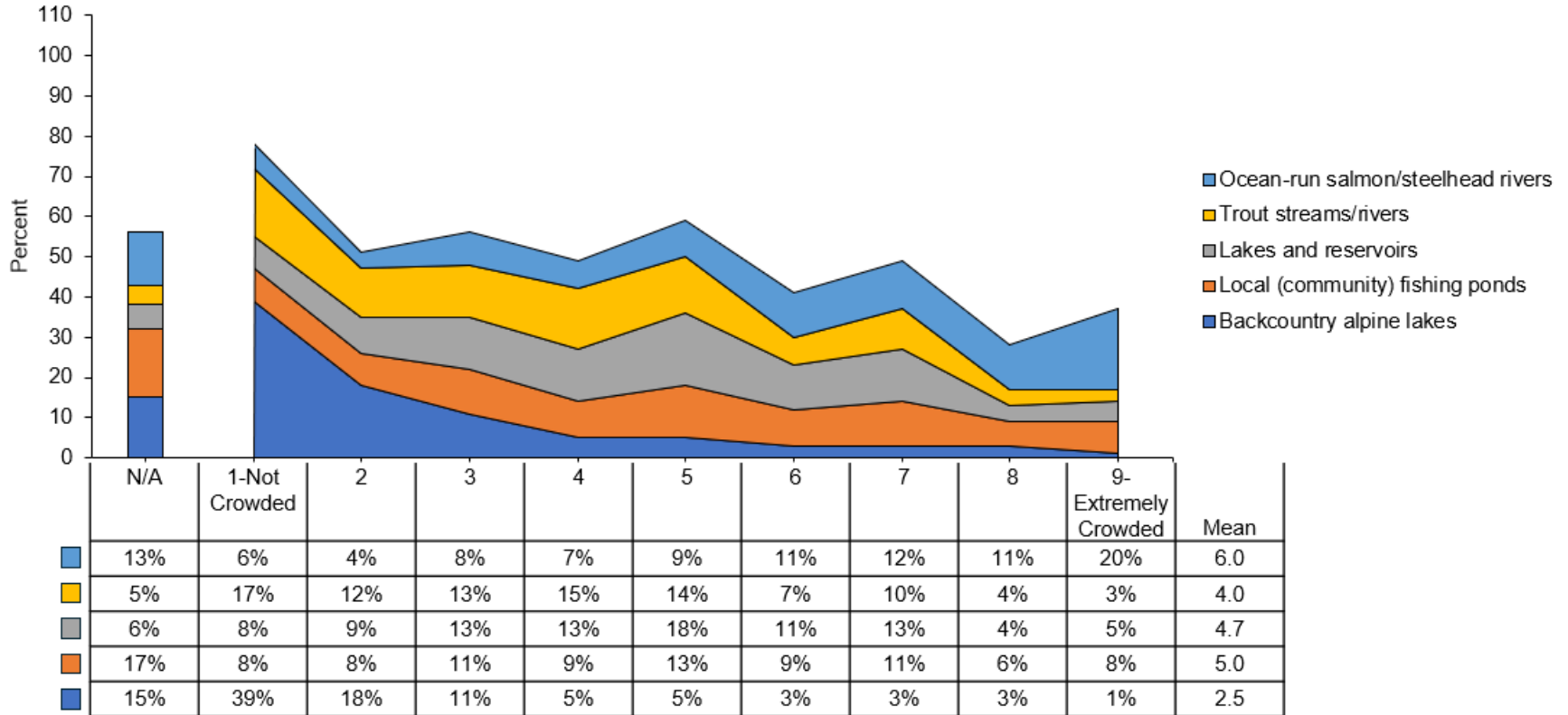
Question #13: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



The mean response is 4.3 excluding blank responses.

Appendix L. (continued)

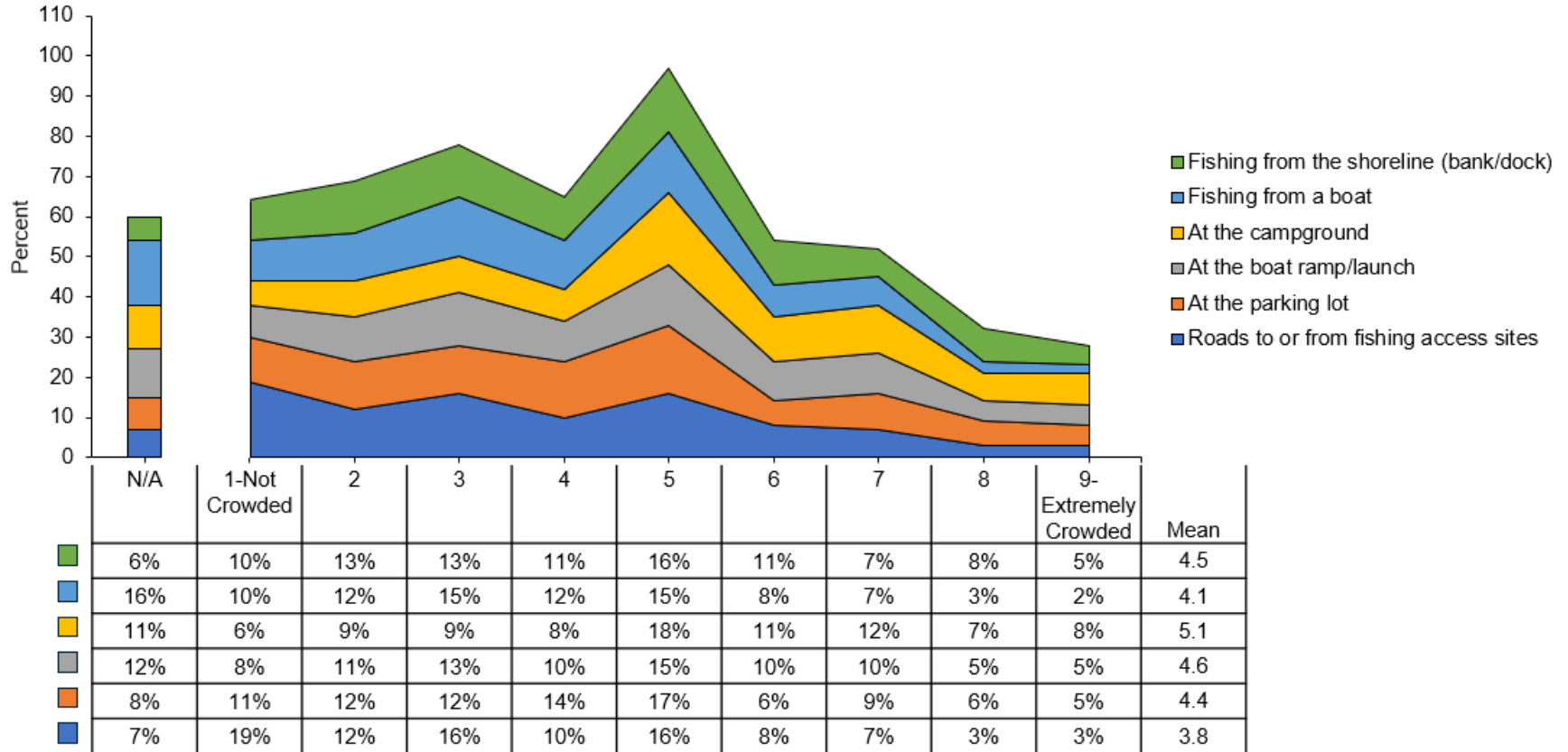
Question #14: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix L. (continued)

Question #15: On a scale of 1 to 9, how would you rate the LEVEL OF CROWDING you experience at these specific locations on a typical fishing trip in Idaho (1 = not crowded and 9 = extremely crowded)?



Analysis of mean excludes no opinion (N/A) responses.

Appendix L. (continued)

Question #16: Which of the following best describes HOW YOUR BEHAVIOR HAS CHANGED as a result of the crowding you experience fishing in Idaho? Select one option.

Response	Percentage
No change in my behavior	44.2
I fish on different days	22.3
I fish at different waterbodies	13.2
I stopped fishing	11.4
I fish earlier or later in the day	7.1
I fish for different species	1.8

Question #17: In your opinion, WHO CONTRIBUTES MOST to the crowding you experience on a typical fishing trip in Idaho? Select one option.

Response	Percentage
Other anglers on the shore or wading	41.1
Non-anglers in motorized boats	12.5
Guides and outfitters	12.0
Other anglers in motorized boats	12.0
Non-anglers in non-motorized vessels (kayaks, canoes, etc.)	11.2
Other anglers in non-motorized vessels (kayaks, canoes, etc.)	11.2

Appendix L. (continued)

Question #18: To what degree do you OPPOSE OR SUPPORT the following management strategies to reduce crowding at fishing locations in Idaho?

Response	Strongly Oppose	Oppose	Support	Strongly Support	No Opinion
Require a fishing license to use IDFG access sites	16%	21%	28%	22%	13%
Limit IDFG access sites to license holders only	18%	25%	27%	14%	16%
Lottery draw with limited fishing permits on high-use waters	38%	27%	15%	4%	16%
Daily fishing fees required on high-use waters	37%	32%	16%	2%	13%

Highlighted rows indicate the majority response.

Question #19: Since resources are limited, if you had to choose only one of the following, would you PREFER IDFG invest in:

Response	Percentage
A higher number of fishing and boating access sites but with primitive facilities	73.8
A lower number of fishing and boating access sites but these sites will have modern facilities and amenities	26.2

Question #20: Please indicate your LEVEL OF AGREEMENT with the following statements:

Rank	Statement	1	2	3	4	5	6	Mean
1	Fishing is very important to me	2%	6%	8%	24%	33%	26%	4.6
2	Fishing is one of the most enjoyable things I do	2%	7%	8%	26%	34%	22%	4.5
3	Most of my friends are in some way connected with fishing	3%	19%	11%	27%	28%	11%	3.9
4	Participating in fishing says a lot about whom I am	8%	18%	16%	25%	24%	9%	3.7
5	Fishing occupies a central role in my life	11%	24%	15%	25%	14%	10%	3.4
6	Much of my life is organized around fishing	11%	29%	17%	22%	13%	7%	3.2

Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion responses. Highlighted rows indicate topics that average general agreement (≥ 4.0).

Appendix L. (continued)

Question #21: Below is a list of some of the reasons why people fish. Please indicate HOW IMPORTANT each is to you as a reason for fishing in Idaho:

Rank	Topic	1	2	3	4	5	Mean
1	To be outdoors	2%	3%	7%	40%	48%	4.3
2	To enjoy nature	2%	3%	10%	39%	46%	4.2
3	To get away from people	4%	9%	19%	36%	32%	3.8
4	To be with friends	10%	10%	27%	33%	20%	3.4
5	To develop my skills	20%	18%	31%	23%	8%	2.8
6	To catch wild fish	23%	19%	31%	16%	11%	2.7
7	To catch fresh fish for meal	25%	19%	28%	17%	10%	2.7
8	To catch native fish	24%	20%	29%	18%	8%	2.7
9	To catch big fish	19%	27%	35%	13%	5%	2.6
10	To test my equipment	38%	27%	22%	11%	2%	2.1
11	To be part of a group	45%	17%	24%	10%	3%	2.1
12	To catch hatchery fish	45%	24%	22%	6%	3%	2.0
13	To catch as many fish as possible	43%	27%	21%	5%	3%	2.0
14	To stock the freezer for off-season	53%	21%	13%	8%	5%	1.9

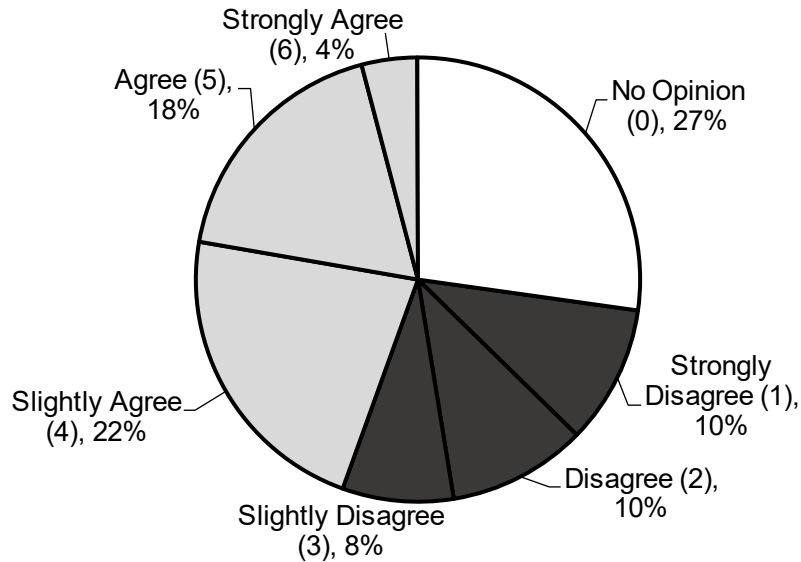
Response categories: Not at all important (1), Slightly important (2), Somewhat important (3), Very Important (4), Extremely important (5).

Question #22: If you had to choose one, which would you say is your STRONGEST MOTIVATION to fish?

Response	Percentage
Being outdoors, enjoying nature, or relaxation	82.9
Catching a lot of fish, catching a trophy fish, or the challenge of fishing	17.1

Appendix L. (continued)

Question #23: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate in Idaho?



The mean response is 3.5 excluding no opinion (0) responses.

Question #24: In the past 5 years, did you PARTICIPATE IN A FISHING TOURNAMENT in Idaho that offered a prize based on the number or size of fish caught?

Response	Percentage
No	95.3
Yes	4.7

Appendix L. (continued)

Question #25: To what extent do you DISAGREE OR AGREE that fishing tournaments are appropriate for the following types of fisheries in Idaho?

Rank	Fishery	1	2	3	4	5	6	0	Mean
1	Bass in lakes/reservoirs	9%	7%	7%	19%	20%	6%	31%	3.8
2	Hatchery-supported trout waters	12%	10%	10%	18%	18%	5%	28%	3.5
3	Bass in rivers	12%	9%	10%	18%	17%	3%	32%	3.4
4	Trophy fishing in large lakes	16%	10%	8%	15%	21%	2%	27%	3.3
5	Kokanee in large lakes	15%	11%	8%	13%	17%	4%	32%	3.3
6	Catch-and-release trout waters	21%	14%	9%	13%	13%	3%	26%	2.9
7	Quality trout waters	21%	14%	11%	11%	12%	3%	27%	2.9
8	Steelhead on large rivers using boats	26%	17%	9%	8%	10%	3%	27%	2.6
9	Chinook Salmon on large rivers using boats	28%	17%	9%	7%	9%	2%	27%	2.5
10	Backcountry trout waters	33%	19%	6%	6%	8%	3%	25%	2.3

Table is ranked from highest to lowest agreement. Response categories: no opinion (0), strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Analysis of mean excludes no opinion (0) responses. Highlighted rows indicate fisheries where anglers generally agree a tournament is appropriate (Mean \geq 4.0).

Question #26: How would you MOST PREFER to receive the following types of fishing-related information from IDFG?

Response	In-person mtg.	Online mtg.	Website	Social Media	Mail	Email	Text	Vendor
News	2%	1%	35%	15%	8%	26%	3%	9%
Rules	1%	1%	37%	5%	7%	23%	4%	23%
Reminders	0%	1%	16%	3%	11%	48%	11%	10%
Information articles	0%	1%	37%	17%	6%	28%	1%	8%
Opinion surveys	4%	3%	28%	5%	15%	35%	3%	7%

Appendix L. (continued)

Question #27: Please indicate your LEVEL OF AGREEMENT with the following statements about the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	In general, IDFG has been fair in their dealings with anglers	3%	4%	7%	27%	54%	5%	4.4
2	In general, the procedures IDFG uses to make decisions are fair to anglers	3%	5%	9%	29%	50%	5%	4.3
3	As an angler, I can freely express my points of view to IDFG decision makers	5%	5%	10%	23%	49%	7%	4.3
4	I think IDFG decision makers act in the interest of some groups over others	5%	6%	12%	32%	37%	7%	4.1
5	I think IDFG decision makers have anglers' best interests in mind	2%	11%	14%	28%	32%	12%	4.1
6	As an angler, my opinion influences a decision maker similar to the influence of others	7%	13%	19%	28%	29%	4%	3.7

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0).

Question #28: To what extent do you AGREE OR DISAGREE that the Department:

Rank	Statement	1	2	3	4	5	6	Mean
1	Has the knowledge necessary to manage Idaho's fisheries	3%	4%	6%	25%	54%	8%	4.5
2	Can manage Idaho's fisheries	4%	4%	7%	26%	52%	7%	4.4
3	Thinks it is important to do the right thing for Idaho's fisheries	4%	3%	9%	28%	47%	8%	4.4
4	Is generally competent in their management of Idaho's fisheries	3%	6%	8%	29%	48%	7%	4.3
5	Has integrity in its management of Idaho's fisheries	3%	6%	8%	28%	46%	8%	4.3
6	Is concerned about the effects its decisions have on anglers	5%	7%	12%	26%	43%	8%	4.2
7	Cares about anglers like me	5%	7%	10%	30%	42%	6%	4.1
8	Cares about the concerns that are important to anglers	5%	5%	14%	30%	40%	7%	4.1
9	Would be honest with anglers if it managed fisheries poorly	8%	13%	20%	28%	27%	4%	3.7

Table is ranked from highest to lowest agreement. Response categories: strongly disagree (1), disagree (2), slightly disagree (3), slightly agree (4), agree (5), strongly agree (6). Highlighted rows indicate statements that average less than general agreement (4.0)

Question #29: Which of the following would you say is your RACE OR ETHNICITY?

Ethnicity	Percentage
White	92.4
Other	3.7
Don't know	2.3
Hispanic or Latino	—
Indigenous (Native American or Alaskan native)	—
Asian	—
Black or African American	—

Question #30: What is the highest LEVEL OF EDUCATION you have completed?

Education	Percentage
Less than high school	4.7
High school graduate	29.3
Two-year college degree	14.0
Four-year college degree	27.1
Vocational/trade school	12.0
Graduate/professional degree	13.0

Question #31: What was your annual household INCOME, before taxes, in 2021?

Income	Percentage
Less than \$20,000	9.7
\$20,000 - \$49,999	31.7
\$50,000 - \$99,999	25.2
\$75,000 - \$99,999	13.4
\$100,000 - \$149,999	10.5
\$150,000 - \$199,999	4.9
Greater than \$200,000	4.6

Question #32: What is your current EMPLOYMENT status?

Employment	Percentage
Full-time employee	48.6
Retired	39.5
Part-time employee	7.1
Unemployed	2.7
Temporary employee	2.0

Question #33: How many children under 14 years of age live at your residence participate in fishing?

Children	Percentage
0	79.0
1	8.2
2	8.9
3	1.9
4	—
5+	—

Note: This question was not weighted by age or region due to low response rate.

Question #34: In the past 12 months, did you take any of the following people fishing in Idaho? Check all that apply.

Children	Percent of cases
New angler under the age of 14	86.2%
New angler over the age of 14	11.4%
Someone who has not fished in a few years	26.3%

Note: This question was not weighted by age or region due to low response rate (30%). Results are from mail survey responses only.

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