Visitor Profiles: 
Reef Users

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Reef Users

Puerto Rico Coral Reef Ecosystem Valuation

Funding Partners

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Working Partners

ONMS/CSD
- Project leadership
- Develop survey & sample designs
- Provide economic analysis
- Produce reports

Ridge-to-Reefs
- Conduct sweepstakes lottery

University of Puerto Rico/Sea Grant
- Conduct all surveys
- Data entry
- Project management

Puerto Rico Tourism
- Provide airport enplanement
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Foreword

We are fortunate to be able to drop into the remarkable world of coral reefs, diving through crystal blue water into forests of branching corals, swaying sea fans and schools of brightly colored reef fish. It is a truly unique and exhilarating experience. This underwater world provides other benefits as well - beautiful white sandy beaches, protection from stormy seas, and delectable seafood. But this vibrant beauty, along with its ecosystem benefits, is under constant threat and continued decline. Year after year since the 1970’s, chronic declines and event-driven losses of coral ecosystems have been documented around the globe. The causes vary, but most declines are linked to high-temperature events that can be aggravated by local pressures such as overfishing or sediment and pollutants in terrestrial runoff. To protect reef systems, or even to stem the ongoing deterioration, requires commitment and urgent action to reduce anthropogenic stresses. But such actions will be taken only when decision-makers are clearly aware of the value of coral reefs to economy and society. Healthy coral reef ecosystems are essential to economic benefits from fisheries, tourism, marine biodiversity, natural products discovery and shoreline protection, as well as cultural benefits like aesthetics, art and stewardship. As reefs have declined, so have the benefits they provide. This is a fact that decision-makers must recognize to properly weight their decisions affecting coral reefs.

Placing value on an ecosystem is not a trivial task. Whereas some of the benefits of an ecosystem have economic components determined in the marketplace, such as the value of fish landings, others are not valued through market pricing. In fact, many highly-valued environmental goods and services, such as clean air and water or healthy fish and wildlife populations, are not traded in markets. To estimate non-market value requires approaches that determine how much people would be willing to pay for a particular attribute or characteristic. The six reports presented in this series document a non-market valuation of reef attributes assembled from survey responses of reef-visitors in Puerto Rico. The importance of this survey is to characterize the value of reefs so that individuals and organizations can be fully aware of the consequences of decisions, large and small, that affect coral reefs. Wanting to protect coral reefs, to preserve their unique beauty, is not sufficient; knowing why they should be protected imparts a stronger argument for ensuring their survival.

William S. Fisher, Associate Director for Ecology
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A project of this magnitude requires a special set of acknowledgments. Even though we cannot name everyone that has aided the effort, we feel it especially important to acknowledge all those that helped fund, organize, design and implement the project. This project was a community-based effort and demonstrates what can be accomplished when government, business and private non-profit interests work together.

**Funding Partners.** A special thank you goes to Pat Bradley (now retired) from the U.S. EPA’s Atlantic Ecology Division who got NOAA’s Office of National Marine Sanctuaries (ONMS) to agree to have me lead this study. Moreover, to Dan Basta, former Director of ONMS (now retired), for agreeing to allow me to lead the project even though, we currently do not have a national marine Sanctuary in Puerto Rico. We would also like to thank Mitchell Tartt, Chief of the ONMS Conservation Science Division for his continued support of the project. In addition, we would also like to thank the rest of the U.S. EPA team involved in the project. Bill Fisher provided leadership as Director of the Gulf Ecology Division in providing the support of many in his staff. Bill was in charge of the development of a decision-support tool for the Guanica Bay Watershed Restoration Management Plan for which the recreation-tourism was a key component. Bill provided the funding for this effort and organized webinars on different components of the decision-support tool. Debbie Santavy and Susan Yee provided data and interpretation of the EPA/NOAA monitoring data on coral reef ecosystem attributes that were critical to our valuation effort. Debbie also provided maps for the different regions used in the surveys. Evelyn Huertas of EPA’s Region 2 Caribbean Environmental Protection Division provided local coordination. Matt Weber at EPA’s Western Ecology Division provided key technical advice in the survey’s optimal design and economic valuation methods. Marisa Mazzotta from EPA’s Atlantic Ecology Division provided review/advise on our economic valuation methods. Lenore Connell provided key administrative support in the EPA/NOAA Inter-agency Agreement and its amendments to conduct the project.

**Working Partners.** The major working partners were the University of Puerto Rico-Mayaguez and the Sea Grant Office located there. They were in charge of conducting all the surveys under contract to ONMS. When the project first got underway, Manuel Valdez Pizzini was the Project Lead, but early on was promoted to Dean and Ruperto Chaparro, Director of Puerto Rico Sea Grant Extension took over. Ruperto Chaparro, known locally as Chapa, was key to opening doors with the local community. It seems everyone on the island knows and respects Chapa and if Chapa endorses you, people will work with you, which for this kind of project is extremely valuable. Miguel del Pozo was the original Project Manager and conducted the focus groups and one-on-ones used to design the visitor survey questionnaires. After completing that task, Miguel left the University and we hired Glenis Padilla Plaza as the Project Manager. Glenis did a great job recruiting and training the many students that were used to implement the surveys and ensured good working relationships with all the organizations, especially Aerostar at the San Juan Airport. Glenis was also responsible for delivery of all survey data and documentation. Yullisa Garcia Lugo of Puerto Rico Sea Grant provided contract support. Daniel Irizarri Oquendo did a great job in developing the illustrations of coral reef ecosystem conditions used in the survey. Michele Scharf of Puerto Rico Sea Grant Extension provided local coordination with the business community as did Rafael Boglio, Coordinator of Interdisciplinary Center for Coastal Studies.

Puerto Rico Tourism was another key working partner. Rafael Silvestrini provided the airport enplanement data critical to designing the airport surveys and for extrapolating airport survey sample estimates to population estimates. Rafael also shared Puerto Rico Tourism’s past survey results so we could compare coral reef users with the general visitor population. In planning the study Michelle Bauza, Carolina Morales, Edgardo Afanador, Mildi I. Luhring Gonzalez, Nilda Diaz Hiraldo and Naireisa Gines all provided their experience and guidance in visitor surveys.

Ridge-to-Reef’s Paul Sturm organized and conducted the sweepstakes/lottery that was the key incentive for visitors to take part in the survey. Paul was able to get significant contributions from many local businesses and non-government organizations (NGOs).

Local staff of NOAA’s Coral Reef Conservation Program, Rob Ferguson and Antares Ramos Alvarez, provided local coordination with many key government agencies and NGOs.
We would like to make a special thank you to student Yasiel Figueroa. Yasiel was key in helping us organize meeting with the many government agencies, NGOs and business leaders in the community in our first set of meetings to discuss the project. He is a bright and resourceful person, and I am confident he will be successful in his educational and professional pursuits.

A key element of this project was the survey at the San Juan Airport. We could not have accomplished our survey objectives without the support of Jamie Paban of Aerostar. Jamie got our students interviewers through security clearance and provided parking at the airport for the students, and most importantly ensured the airlines that our students were approved to conduct the surveys at the gate waiting areas. So a special thank you to Jamie for the support.

Other Project Support

Many other government agencies, NGO’s, businesses and business leaders provided project support. The Department of Natural and Environmental Resources of Puerto Rico (DNER) attended several meetings with us to hear about our project and offer advice on the types of information that would be useful to their agency. Meeting participants included Ernesto Diaz, Director of Coastal Zone Management Program, Craig Lilyestrom, Director of Marine Resources Division, Damaris Delgado, Director, Bureau of Coasts, Reserves & Refuges, Nilda Jimenez Marrero, Coordinator of Coral Reef Committee, Astrid J. Green Caceres of Public Outreach, Israel Umpierre, Assistant to the Secretary and Miguel Canals Sr. (Menqui), Guanica Dry Forest.

From the San Juan Bay Estuary Program, Jorge Bauza, Ernesto M. Olivares and Roberto C. Morales shared their thoughts with us. From the Puerto Rico Port Authority, Ivelisse Lorenzo, Jorge Bairun Benitez and Alfredo Montanez provided guidance. From Puerto Rico Conservation Trust, Soledad Gaztambide and Fernando Lloveras consulted with us. From the U.S. fish and Wildlife Service, Ana M. roman and Gisella Burgos shared their past survey efforts and advice for on-site surveys.

Many from the business community and community leaders shared their ideas and support: Luz Rivera Castrull (Fundacion de Culebra), Alberto Arce (Kayaking Puerto Rico), Henry Rivera (ACDEC), Cindy Villanueva (Autoridad de Conservación y Desarrollo de Culebra), Brenda Cerezo (Puerto Rico Technical Diving & Rincon Diving), Steve Tamar (Surfrider Foundation), Ramse Morales (Surf Lessons Puerto Rico), Jose T. Rotolo (Aquatic Dive & Surf), Percy Ries (Kayaking Puerto Rico), Marcos Hanke (787 Fishing Company), Alberto J. Rivera and Pedro Rodriguez (Sea Ventures Dive Center), Luis Dotteau (Paradise Scuba and Snorkeling Center), and Ivan Lopez (La Parguera).

Student Interns

Finally, we would like to thank the many student interns that have come to Silver Spring, MD from several universities to assist us. Their work was critical to us getting data entry, quality analysis/quality control (QA/QC) of the databases, analysis and report writing. I hope that we provided them a valuable experience. We have made all of them co-authors of our reports so they leave with something on their resumes. Paul Conant, Ph.D. candidate at the University of Connecticut did the data entry, QA/QC, analysis and report writing for the non-market economic valuation report. Sarah Hughes from Roanoke

College and John Vaugh from the College of William and Mary, entered all the data from the airport surveys, conducted QA/QC of the databases, developed tables & graphs and wrote first drafts of sections of the Socioeconomic Profiles report. DeMyra Harris developed tables & figures and wrote sections for the Importance-Satisfaction report. Chase Data also developed tables and wrote sections for the Economic Contributions report.
Preface

This report is part of a six volume series on the socioeconomics of visitor use of Puerto Rico’s coral reef ecosystems. The project was sponsored and funded by the U.S. Environmental Protection Agency (EPA), Office of Research and Development. EPA is developing a decision-support tool to evaluate restoration alternatives in the Restoration Management Plan for the Guanica Bay Watershed in southwest Puerto Rico. Several teams were in charge of different ecosystem services (benefits humans receive from coral reef ecosystems). Ecosystem services for coral reef included recreation-tourism, food supply (commercial fishing and consumptive motive of recreational fishing), ornamentals (aquarium trade), pharmaceuticals, and property values from storm protection. Although the EPA decision-support tool was limited to the coral reefs off southwest Puerto Rico, public scoping determined that for recreation-tourism information was need for the entire island’s coral reef ecosystems, so this study covers all of Puerto Rico, but due to costs, this study was limited to visitor use of Puerto Rico’s coral reef ecosystems. Future studies will address resident’s use of Puerto Rico’s coral reefs.

This report presents a socioeconomic profile of reef using visitors to Puerto Rico. Estimates are presented on the total amount of visitation measured in person-trips (visits) and intensity of visitation measured in person-days. The concepts of person-trips and person-days are defined and as with many measurements, separate estimates are provided by season (summer and winter). Extensive profiles are presented on activity participation for reef using activities and non-reef using activities for reef using visitors. An extensive set of appendix tables provides details by activity type, region and season. Puerto Rico was divided into five regions for estimation of activity use. Intensity of use is measured in person-days for selected reef using activities by region and season.

The profiles presented in this report also include demographic profiles of the reef using visitors. Place of primary residence (country and within the U.S. the state) age, sex, race, ethnicity, and household income of the survey respondent are provided. Additional items include party size, second home ownership in Puerto Rico, length of stay, number of annual trips to Puerto Rico, number of days annually spent in Puerto Rico and numbers of nights spent in each region of Puerto Rico on the interview trip.

Expenditure profiles are also presented in this report. Here we present the average expenditure by spending category per person per trip and per person per day. These expenditures are used in another report on the economic contribution/impact these expenditures have on the Puerto Rican economy in terms of output/sales, value-added (gross regional product), income and employment, including multiplier or “ripple effects”.

The final section of this report addresses special issues identified through public scoping of the project. Special issues included private boats visitors keep in Puerto Rico, likelihood of return visits, cruise ship visits and their influence on making a non-cruise ship visit, visitor’s preferences for the level of development, and visitor level of support for different natural resource management issues.

The second volume in the six volume series addresses the economic contribution/impact of visitor reef user’s expenditures in Puerto Rico on the Puerto Rican economy. Volume 3 addresses importance-satisfaction ratings by reef using visitors on 25 natural resource attributes, facilities and services. Volume 4 is a technical appendix detailing the methods used in sampling and estimation for items presented in volumes one through three.

Volumes 5 and 6 are fundamental to the EPA decision support tool. These reports address the non-market economic values of the coral reef ecosystems. Non-market economic values are the value people receive when consuming a good or service over and above what they pay to get the good or service. Economists refer to this as “consumer’s surplus. These are the appropriate values to include in damage assessments when suing responsible parties for damages to coral reefs and in public investments to protect and/or restore coral reef ecosystems. The attributes approach to valuation is used valuing changes in the condition of coral reef ecosystem attributes (e.g. coral cover, coral diversity, fish abundance and diversity, water clarity, and the opportunity to see large wildlife). Volume 5 presents results for example scenarios using estimated models, while Volume 6 is the Technical Appendix detailing the methods used in survey sampling and economic value estimation.
Here in volume 1, we present short summaries by topic area with detail in appendix tables. One can think of this report as a statistical abstract for visitor coral reef use in Puerto Rico.

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1. Sampling Methodologies & Estimation Methods

Survey Sampling Methods.
The overall project had many objectives requiring the use of multiple samples and sub-samples of reef using visitors. Sample 1 was the airport survey and it had an on-site survey conducted at the San Juan airport. It was determined early in the project that the flights at the other airports were not significant for reef using visitors. Because the on-site survey at airports requires short surveys due to the limited time people can devote to surveys while waiting for their flights, two mailback surveys were designed to get information that is more detailed on their expenditures and importance-satisfaction ratings for 25 natural resource attributes, facilities and services. Sample 2 is called the “CUSTOMER Survey” and is a longer survey averaging 15 to 20 minutes conducted at various sites (e.g. dive shops, marinas, charter fishing, hotels and coastal parks).

The CUSTOMER Survey obtains details on the number of days and dives for reef using activities in the five regions of Puerto Rico by season (summer and winter). Figure 1.1 details all the objectives achieved from each sample and sub-sample.

Airport Survey.
Separate samples were done for the summer (May – October 2016) and the winter (November 2016 – April 2017). In the summer, 364 on-site surveys were completed, while in the winter 1,659 on-site surveys were completed. The mailbacks were not ready for implementation in the summer season by the University of Puerto Rico. Student recruitment was also limited in the summer resulting in smaller sample sizes than planned. The winter survey actually included October 2016 and May 2017, so some of the mailbacks represent summer season visitors. The October 2016 and May 2017 interviews were assigned to the summer season. However, there were not enough summer season mailback surveys completed to develop separate estimates of spending and importance-satisfaction ratings. Summer season observations are weighted in presenting annual profiles from these survey components (Table 1.1).

Customer Survey.
As with the airport surveys, the University of Puerto Rico was slow to get started and the CUSTOMER Survey was limited to 200 on-site survey completed, while the target sample size for the winter of 750 was achieved (actually 776 completed, Table 1.2). Again, the winter survey included October 2016 and May 2017 and these interviews were assigned to the summer season for estimation. In this report, the estimates of average number of days and dives for reef using activities was estimated by season and region using the data from the this component of the survey. Non-market values of the coral reef use will be presented in Volumes 5 and 6 of this series of reports.

Much more detail on the sampling methodologies, sample weighting, analyses of non-response bias for the mailback components are presented in Volume 4 the Technical Appendix covering the estimation of all items in Volumes 1 to 3. Appendices in Volume 4 include the questionnaires and survey support materials used in the surveys.

<table>
<thead>
<tr>
<th>Season</th>
<th>Number Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>200</td>
</tr>
<tr>
<td>Winter</td>
<td>776</td>
</tr>
<tr>
<td>Total</td>
<td>976</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>April 2016</th>
<th>May 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-site</td>
<td>Mailback</td>
</tr>
<tr>
<td>364</td>
<td>17</td>
</tr>
<tr>
<td>Winter</td>
<td>Mailback</td>
</tr>
<tr>
<td>1,659</td>
<td>158</td>
</tr>
</tbody>
</table>

Table 1.1 Number of Completed Questionnaires by Season: Airport Visitors

<table>
<thead>
<tr>
<th>Season</th>
<th>Summer Satisfaction</th>
<th>Summer Expenditure</th>
<th>Winter Satisfaction</th>
<th>Winter Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-site</td>
<td>Mailback</td>
<td>364</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Winter</td>
<td>Mailback</td>
<td>1,659</td>
<td>158</td>
<td></td>
</tr>
</tbody>
</table>

Table 1.2 Number of Completed Questionnaires by Season: Customer Survey
Figure 1.1 Puerto Rico Coral Reef Ecosystem Valuation: Visitor Reef Users
Chapter 2

2. Profiles of Reef Using Visitors

Number of Person-trips (Visits) and Person-days.
The sampling designed used in Puerto Rico at the airport allowed for the estimated of the number of person-trips to Puerto Rico by non-residents. The number of person-trips is synonymous with the number of visits. However, the number of person-trips is different from the number of visitors and the number of person-days.

Concept of a Person-Trip.
Each time a person visits Puerto Rico that is considered a person-trip. If a person travels to Puerto Rico once in the spring and once in the fall, then that is considered two visits or two person-trips. The two terms are interchangeable.

Number of Visitors.
The number of visitors is distinctly different than the number of person-trips or visits. Although, the two number could be equivalent, often times they are not. First, let’s consider when the number of visitors would be equal to the number of person-trips. If a person only makes one trip during the period of estimation, then the two measurements would be identically. However, if a person makes five trips during the period of estimation. Than that would be one visitor/person with a total of five person-trips or visits.

The number of person-trips was calculated for all visitors and a subcategory of all visitors; reef using visitors. The total number of trips made to Puerto Rico by visitors from the summer of 2016 1,669,934 person-trips and in the winter season there were 1,738,979 person-trips. Across both season, 3,453,913 person-trips were made to the Island. Looking specifically at reef users, 843,651 person-

| Table 2.1 All Visitors and Reef Using Visitors by Season to Puerto Rico Year 2016-2017 |
|----------------------------------------|--------|--------|--------|
| Type of Visitor                        | Summer | Winter | Annual |
| All Recreating Visitors                | 1,669,934 | 1,783,979 | 3,453,913 |
| Reef Using Visitors                    | 843,651 | 327,717 | 1,171,368 |
| Total Air Enplanement                  |        |        |        |
| Passengers 1                          | 2,244,535 | 2,374,207 | 4,618,742 |
| % of Passengers-Recreating Visitors    | 74.40 | 75.14 | 74.78 |
| % of Passengers-Reef Using Visitors    | 37.59 | 13.80 | 25.36 |
| % of All Recreating Visitors - Reef Using Visitors | 50.52 | 18.37 | 33.91 |

1. Air enplanements include all people who get on planes leaving Puerto Rico, so it includes residents traveling, those on business travel, people passing through who just go on the cruise ships, and recreating visitors. Surveys were done to estimate the percent of passengers that were visitors who did recreation activities and those who did reef using activities.

On average, winter visitors have longer trip lengths than summer season visitors, but the difference is not statistically significant.

![Figure 2.1 Average Length of Stay by Season](image)

Table 2.2 Number of Person-Days by Reef Using Visitors by Season

<table>
<thead>
<tr>
<th>Reef Using Visitors</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person-days</td>
<td>7,128,851</td>
<td>2,903,573</td>
<td>10,032,424</td>
</tr>
</tbody>
</table>
trips were made in the summer and 327,717 in the winter season. A total of 1,171,368 reef using trips were made between the summer and winter. Of all the trips made in the summer, 50.5% were reef using visitors and 18.5% of winter trips were reef using visitors.

**Concept of Person-Days.**
Another useful measurement is person-days. The length of a visit varies in days across visitors. If the trip is only a day, then the concept of person-day and person-trip is identical. However, given the geographic location of Puerto Rico, it is unlikely that in this application they would be identical. If a person makes a trip to Puerto Rico and they stay for five days, this would be one person-trip with five person-days. Person-days were only calculated for reef using visitors. Visitors to Puerto Rico that did not engage in reef activities were not interviewed for the length of their trips. In total, there were 10,032,424 person-days and the average length of each person-trip was 8.6 days.

**Summer (May-October 2016).**
The summer season for Puerto Rico starts in May and ends in October. In the summer there were 7,128,851 person-days. The average length of each stay in the summer was 8.5 days.

**Winter (November 2016- April 2017).**
The winter tourism season begins in November and concludes in April of the following year. In the winter season there were 2,903,573 person-days of visitation. The average length of each stay in the winter was 8.9 days.

**Regional Visitation.**
Visitation was also analyzed by the regions that each respondent could have visited. Figure 2.3 below shows the geographical boundaries of each of the five regions analyzed. Region 4 of Puerto Rico had the highest number of visitors.

On an average day, there are significantly more reef-using visitors in Puerto Rico in the summer season than in the winter season.

### Table 2.3 Region Visitation by Season

<table>
<thead>
<tr>
<th>Regions Visited</th>
<th>Number of Visitors</th>
<th>Number of Visitors</th>
<th>Number of Visitors</th>
<th>Number of Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Summer</td>
<td>Winter</td>
<td>Annual</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Regions Visited</td>
<td>Participation Rate</td>
<td>Regions Visited</td>
<td>Participation Rate</td>
</tr>
<tr>
<td></td>
<td>Number of Visitors</td>
<td>(%)¹</td>
<td>Number of Visitors</td>
<td>(%)¹</td>
</tr>
<tr>
<td>Region 1-NW</td>
<td>124,855</td>
<td>14.80</td>
<td>48,568</td>
<td>14.82</td>
</tr>
<tr>
<td>Region 2-SW</td>
<td>117,801</td>
<td>13.96</td>
<td>33,870</td>
<td>10.34</td>
</tr>
<tr>
<td>Region 3-SE</td>
<td>61,369</td>
<td>7.27</td>
<td>28,932</td>
<td>8.83</td>
</tr>
<tr>
<td>Region 4-NE</td>
<td>721,618</td>
<td>85.54</td>
<td>274,734</td>
<td>83.83</td>
</tr>
<tr>
<td>Region 5-Culebra &amp; Vieques</td>
<td>112,158</td>
<td>13.29</td>
<td>54,261</td>
<td>16.56</td>
</tr>
<tr>
<td>One Region Only</td>
<td>601,701</td>
<td>71.32</td>
<td>244,815</td>
<td>74.70</td>
</tr>
<tr>
<td>Two Regions</td>
<td>169,295</td>
<td>20.07</td>
<td>60,942</td>
<td>18.60</td>
</tr>
<tr>
<td>Three Regions</td>
<td>40,913</td>
<td>4.85</td>
<td>10,631</td>
<td>3.24</td>
</tr>
<tr>
<td>Four Regions</td>
<td>4,938</td>
<td>0.59</td>
<td>5,112</td>
<td>1.56</td>
</tr>
<tr>
<td>All Regions</td>
<td>9,170</td>
<td>1.09</td>
<td>1,569</td>
<td>0.48</td>
</tr>
</tbody>
</table>

1. Participation Rate is the percent of reef using visitors that visited a region or multiple regions. See Appendix Table A. xx for more detail.
Region 4, the northeast region of the island, contains Puerto Rico’s capital, San Juan. Annually, roughly 85% of all visitors spent time in Region 4. Of the total 843,651 reef using visitors in the summer, 721,618 visited Region 4. In the winter there were 327,717 visitors and 274,734 visited Region 4. The second most popular region to visit was Region 1, the northwest, in the summer. Region 5, an islands of Culebra and Vieques on the eastern coast of Puerto Rico, was the second most popular region to visit in the winter season. The least visited region in both the summer and winter season was Region 3, the southeast region of the country.

In the summer and winter, the majority of visitors (71.3% and 74.7% respectively) only visited one region, meaning they did not travel into other geographical areas detailed in Figure 2.3. Roughly 20% of visitors for the year visited more than two regions. Less than 1% visited all five regions.

**Reef Use Activity Participation by Region and Season.**

Coral reefs serve many purposes, such as diving, SCUBA, fishing, viewing the scenery and swim to name some uses. Table 2.4 to the right looks at activity by use and season.

The most common activities in the both the summer and winter with over 1,000,000 visitors swimming across both seasons. Diving was the second most common activity followed by viewing nature and wildlife. Over a quarter of a million visitors dove (snorkeling or SCUBA diving) in the summer season and slightly more than 90,000 visitors dove in the winter. In total 369,484 visitors dove in Puerto Rico.

All activities had a higher number of visitors in the summer than the winter with the exception of surfing. There were 19,113 visitors in the winter and 10,581 visitors in the summer season.

### Table 2.4. Reef Using Activity Participation by Season: All of Puerto Rico

<table>
<thead>
<tr>
<th>Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Visitors</td>
<td>Participation Rate (%)</td>
<td>Number of Visitors</td>
</tr>
<tr>
<td>All Diving</td>
<td>277,925</td>
<td>32.94</td>
<td>91,559</td>
</tr>
<tr>
<td>Snorkeling</td>
<td>270,871</td>
<td>32.11</td>
<td>89,874</td>
</tr>
<tr>
<td>SCUBA Diving</td>
<td>16,224</td>
<td>1.92</td>
<td>6,449</td>
</tr>
<tr>
<td>Reef Fishing</td>
<td>9,876</td>
<td>1.17</td>
<td>3,428</td>
</tr>
<tr>
<td>Viewing Nature &amp; Wildlife</td>
<td>147,427</td>
<td>17.47</td>
<td>62,743</td>
</tr>
<tr>
<td>Surfing</td>
<td>10,581</td>
<td>1.25</td>
<td>19,113</td>
</tr>
<tr>
<td>Swimming</td>
<td>761,120</td>
<td>90.22</td>
<td>264,625</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing, or kite boarding</td>
<td>55,726</td>
<td>6.61</td>
<td>19,520</td>
</tr>
</tbody>
</table>

1. Participation Rate is the percent of all Reef Using Visitors. See Appendix Table A.2 for greater detail.

### Table 2.5. Top Rated Reef Activity by Region and Season-Number of Participants

<table>
<thead>
<tr>
<th>Season/Region</th>
<th>Activity</th>
<th>Participation Rate (%)</th>
<th>Number of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Swimming</td>
<td>10.2</td>
<td>83,236</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Swimming</td>
<td>8.19</td>
<td>69,129</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Swimming</td>
<td>3.01</td>
<td>9,864</td>
</tr>
<tr>
<td>Region 4: Northeast</td>
<td>Swimming</td>
<td>75.33</td>
<td>635,560</td>
</tr>
<tr>
<td>Region 5: Culebra &amp; Vieques</td>
<td>Swimming</td>
<td>11.79</td>
<td>99,461</td>
</tr>
<tr>
<td>Winter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Swimming</td>
<td>9.29</td>
<td>30,442</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Swimming</td>
<td>6.49</td>
<td>21,263</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Swimming</td>
<td>4.41</td>
<td>14,466</td>
</tr>
</tbody>
</table>

1. Participation Rate is the percent of all reef using visitors.
In all regions and all seasons swimming was the activity with the highest participation rate. The highest rates of swimming occurred in the summer the northeast and in the winter in the northeast. The second most popular region for swimming was Culebra & Vieques in both the winter and summer seasons. The region with the least visitors was the southeast, Region 3, for both the summer and winter seasons. Further, some visitors only engaged in water-based activities. The northeast region experienced the highest participation rate in only water-based activities. In Puerto Rico’s winter season 18.5% of visitors engaged in water-only activities versus 7.4% of participants in the summer season.

**Within Region Participation Rates.**
Table 2.6 provides a different perspective on activity participation rates. It includes an example of within region participation rates or the percent of reef-using visitors to the region that did the activity in the region. The same number of participants are simply divided by a different number. Within participation, rates answer the question “What percent if visitors to the region do the activity”? Appendix tables A.8 – A.12 provide the details by activity, region and season.

**Reef Activity Participation Rates.**
Amongst all users, the participation rates for swimming were the highest at roughly 76% and nearly 90% of visitors to the northeast region swam. The second most common activity was diving, participation rates were 23.5% for all users and 27.5% in the northeast region. The least common activities were surfing and reef fishing, with less than 1% of all users participating. More details are provided in appendix Tables A.2 – A.7 by detailed activity, region and season.

Although there are more reef-using visitors in all regions in the summer season, a higher proportion of winter season reef-using visitors participate in Only Water-based activities in all regions.

![Figure 2.4 Participation in Water-Based Versus Land-Based Activities by Season](image)

<table>
<thead>
<tr>
<th>Activity</th>
<th>All Reef User</th>
<th>Within Northeast Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diving</td>
<td>23.49%</td>
<td>27.47%</td>
</tr>
<tr>
<td>Snorkeling</td>
<td>23.08%</td>
<td>26.98%</td>
</tr>
<tr>
<td>SCUBA Diving</td>
<td>0.92%</td>
<td>1.08%</td>
</tr>
<tr>
<td>Reef Fishing</td>
<td>0.84%</td>
<td>0.98%</td>
</tr>
<tr>
<td>Viewing Nature &amp; Wildlife</td>
<td>14.21%</td>
<td>16.62%</td>
</tr>
<tr>
<td>Surfing</td>
<td>0.33%</td>
<td>0.39%</td>
</tr>
<tr>
<td>Swimming</td>
<td>76.17%</td>
<td>89.05%</td>
</tr>
<tr>
<td>Paddle boarding, Wind Surfing,</td>
<td>5.43%</td>
<td>6.35%</td>
</tr>
</tbody>
</table>

1. Percent of all reef using visitors to Puerto Rico. See Appendix Tables A.3 to A.7.
2. Percent of reef using visitors to the Northeast Region. See Appendix Tables A.8 to A.12.
**Number of Days for Top Rated Reef Activities by Region and Season.**
For the top rated activity there were 1,716,012 person-days in the summer and 743,299 person-days in the winter in the Northeast region. The region with the second most number of person-days varied by season. In the summer, the northwest region had 208,090 person-days of swimming in the summer. In the winter, Culebra and Vieques had the second most number of swimming person-days (87,724).

**Number of Dives by Region and Season.**
The number of dives was estimated by mode of access (e.g. shore, charter/party boat, rental boat and private boat), region and season. This was done separately for snorkeling and SCUBA diving (See Appendix Table A.24 for details). The top rated diving reef-using activity was snorkeling from shore in all five regions during the summer season and for three of the five regions in the winter season (Table 2.8). For regions 2 and 3, snorkeling from a charter/party boat was the top diving mode of access in the winter season, but the numbers of dives were relatively low.

### Table 2.7. Top Rated Reef Use Activity by Region and Season-Number of Days

<table>
<thead>
<tr>
<th>Season/Region</th>
<th>Activity</th>
<th>Number of Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Swimming</td>
<td>208,090</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Swimming</td>
<td>96,781</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Swimming</td>
<td>9,864</td>
</tr>
<tr>
<td>Region 4: Northeast</td>
<td>Swimming</td>
<td>1,716,012</td>
</tr>
<tr>
<td>Region 5: Culebra &amp; Vieques</td>
<td>Swimming</td>
<td>188,976</td>
</tr>
<tr>
<td>Winter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Swimming</td>
<td>73,061</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Swimming</td>
<td>34,021</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Swimming</td>
<td>17,359</td>
</tr>
<tr>
<td>Region 4: Northeast</td>
<td>Swimming</td>
<td>743,299</td>
</tr>
<tr>
<td>Region 5: Culebra &amp; Vieques</td>
<td>Swimming</td>
<td>87,724</td>
</tr>
</tbody>
</table>

1. See Appendix Tables A.18 to A.23 for details of all reef activities by region and season.

### Table 2.8. Top Rated Reef Use Activity by Region and Season-Number of Dives

<table>
<thead>
<tr>
<th>Season/Region</th>
<th>Activity</th>
<th>Number of Dives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Snorkeling from shore</td>
<td>38,092</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Snorkeling from shore</td>
<td>15,519</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Snorkeling from shore</td>
<td>3,836</td>
</tr>
<tr>
<td>Region 4: Northeast</td>
<td>Snorkeling from shore</td>
<td>273,360</td>
</tr>
<tr>
<td>Region 5: Culebra &amp; Vieques</td>
<td>Snorkeling from shore</td>
<td>78,313</td>
</tr>
<tr>
<td>Winter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region 1: Northwest</td>
<td>Snorkeling from shore</td>
<td>32,177</td>
</tr>
<tr>
<td>Region 2: Southwest</td>
<td>Snorkeling from a charter/party boat</td>
<td>7,118</td>
</tr>
<tr>
<td>Region 3: Southeast</td>
<td>Snorkeling from a charter/party boat</td>
<td>1,162</td>
</tr>
<tr>
<td>Region 4: Northeast</td>
<td>Snorkeling from shore</td>
<td>46,243</td>
</tr>
<tr>
<td>Region 5: Culebra &amp; Vieques</td>
<td>Snorkeling from shore</td>
<td>39,040</td>
</tr>
</tbody>
</table>

1. See Appendix Table A.24 details of all reef diving by region and season.
Non-reef Use Activity Participation by Region and Season.

Reef users were also asked about the non-reef using activities they participated in during their reef-using trip. The 12 major categories of non-reef using activities are summarized for all of Puerto Rico in Table 2.9 (See Appendix Tables A.25 to A.30 for more detail). Beach activities—not water-related was the number one non-reef using activity in both seasons with 79.5% of all reef-using visitors doing the activity in the summer and 80% in the winter. This was closely followed by Cultural, Historic & Tourist Attractions with 78.85% participating in the summer and 72.79% in the winter. Viewing Nature & Wildlife from land was the third highest activity with about 29% in the summer doing the activity and 21% in the winter. In addition, beach activities—not water-related were the top non-reef activity by reef-using visitors in all regions and in both seasons (Table 2.10).

Table 2.9. Non-Reef Use Activity Participation by Season

<table>
<thead>
<tr>
<th>Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Participation Rate %</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>Offshore Fishing</td>
<td>9,170</td>
<td>1.09</td>
<td>6,012</td>
</tr>
<tr>
<td>Personal Watercraft Use</td>
<td>39,502</td>
<td>4.68</td>
<td>15,686</td>
</tr>
<tr>
<td>Sailing</td>
<td>40,913</td>
<td>4.85</td>
<td>14,756</td>
</tr>
<tr>
<td>Other Boating</td>
<td>110,747</td>
<td>13.13</td>
<td>32,301</td>
</tr>
<tr>
<td>Viewing Nature &amp; Wildlife-Land</td>
<td>244,066</td>
<td>28.93</td>
<td>69,424</td>
</tr>
<tr>
<td>Beach Activities-not water-based</td>
<td>670,830</td>
<td>79.52</td>
<td>268,053</td>
</tr>
<tr>
<td>Picnicking</td>
<td>341,411</td>
<td>40.47</td>
<td>90,571</td>
</tr>
<tr>
<td>Cultural, Historic &amp; Tourist</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attractions</td>
<td>665,186</td>
<td>78.85</td>
<td>187,474</td>
</tr>
<tr>
<td>Bicycling-Horserback riding</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driving for Pleasure</td>
<td>102,282</td>
<td>12.12</td>
<td>25,330</td>
</tr>
<tr>
<td>Attended Wedding</td>
<td>23,278</td>
<td>2.76</td>
<td>5,461</td>
</tr>
<tr>
<td>Visited a Casino</td>
<td>128,382</td>
<td>15.22</td>
<td>39,389</td>
</tr>
</tbody>
</table>

1. Percent of all reef using visitors. See Appendix tables A.25 to A.30 for details by Activities, Regions and Seasons.

Table 2.10. Top Rated Non-Reef Use Activity by Region and Season-Number of Participants

<table>
<thead>
<tr>
<th>Season/Region</th>
<th>Activity</th>
<th>Number of Participants</th>
<th>Participation Rate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>Beach Activities</td>
<td>80,415</td>
<td>9.53</td>
</tr>
<tr>
<td>Region 1 - Northwest</td>
<td>Beach Activities</td>
<td>29,106</td>
<td>8.88</td>
</tr>
<tr>
<td>Region 2 - Southwest</td>
<td>Beach Activities</td>
<td>19,869</td>
<td>6.06</td>
</tr>
<tr>
<td>Region 3 - Southeast</td>
<td>Beach Activities</td>
<td>14,117</td>
<td>4.31</td>
</tr>
<tr>
<td>Region 4 - Northeast</td>
<td>Beach Activities</td>
<td>39,389</td>
<td>12.02</td>
</tr>
<tr>
<td>Region 5 - Culebra &amp; Vieques</td>
<td>Beach Activities</td>
<td>95,934</td>
<td>11.37</td>
</tr>
</tbody>
</table>

1. Percent of all reef using visitors that did activity in the region. See Appendix tables A.26 to A.30 for details by Activity, Region, and Season.
Non-reef Use Activity Participation Within Region.

As with the reef-using activities, the within region participation rates were calculated for each of the five regions. Again, this approach answers the question of what percent of the reef-using visitors that visited a particular region did the activity in the region. Table 2.11 presents an example for Region 4, NE during the summer season comparing the percent of all reef-using visitors to Puerto Rico doing the activity in the region versus the percent of all reef-using visitors that visited Region 4 that did the activity in the region. More detail for all regions and seasons are presented in Appendix Tables A.31 to A.35.

Special Aggregate Activities.

Number of participants and participation rates were also calculated for special aggregates of activities by region and season. In addition, as with the activities presented in other sections, the within region participation rates were also calculated for the special aggregates. Special aggregates were calculated by eliminating double counting across modes of activity (e.g. shore, charter/party boat, rental boat and private boat) for water-related activities. One might also want to know how many reef-using visitors used a charter/party boat across all types of activities. One can also look at what proportion of reef-using visitors did only water activities or any land-based activities. Figure 2.5 shows the proportion of reef-using visitors by season that did only water activities versus any land-based activities. During the summer season, more than 84% of reef-using visitors did at least one land-based activity, while during the winter season almost 65% did. In addition, during the summer season 11.5% of reef-using visitors did only water related activities versus 26.7% during the winter season. Figure 2.6 shows the distribution of participation rates by region and season for any land-based activities by all reef-using

Although All Reef-using visitors by definition participate in water-based activities, a high proportion of reef-using visitors also participate in land-based activities in both seasons.

Table 2.11: All Non-Reef Participation Rates vs. Within Region Participation Rates: Northeast Region, Summer Season

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percent of All Reef Users</th>
<th>Percent of Northeast Region Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Fishing</td>
<td>0.42</td>
<td>0.49</td>
</tr>
<tr>
<td>Personal Watercraft Use</td>
<td>3.85</td>
<td>4.50</td>
</tr>
<tr>
<td>Sailing</td>
<td>4.52</td>
<td>5.28</td>
</tr>
<tr>
<td>Other Boating</td>
<td>10.03</td>
<td>11.73</td>
</tr>
<tr>
<td>Viewing Nature &amp; Wildlife from Land</td>
<td>35.28</td>
<td>41.25</td>
</tr>
<tr>
<td>Beach Activities-not water-based</td>
<td>65.97</td>
<td>77.13</td>
</tr>
<tr>
<td>Camping-Backpacking-Hiking-Picnicking</td>
<td>35.03</td>
<td>40.96</td>
</tr>
<tr>
<td>Cultural, Historical &amp; Tourist Attractions</td>
<td>69.31</td>
<td>81.04</td>
</tr>
<tr>
<td>Outdoor Sports</td>
<td>14.55</td>
<td>17.01</td>
</tr>
<tr>
<td>Bicycling-Horseback riding-Driving for Pleasure</td>
<td>10.70</td>
<td>12.51</td>
</tr>
<tr>
<td>Attended Wedding</td>
<td>1.67</td>
<td>1.96</td>
</tr>
<tr>
<td>Visited Casino</td>
<td>14.88</td>
<td>17.40</td>
</tr>
</tbody>
</table>

See Appendix tables A.31 to A.35 for details by Activity, Region and Season.
visitors. Greater detail for the special aggregate activities are presented in Appendix Tables A.36 to A.46.

**Origin of Reef-using Visitors.**
Here the primary residence of reef-using visitors is presented. Foreign versus domestic (U.S.) visitors are compared, top foreign countries are highlighted, U.S. Census Bureau Regions and Divisions are provided and the top states of primary residence are highlighted.

**Foreign vs Domestic.**
Nearly all visitors came from the U.S. during both seasons. The winter season had slightly higher rates of foreign visitation with 7.41% of all reef-using visitors from foreign countries compared with only 2.2% during the summer (Figure 2.7). Table 2.12 shows the top five foreign countries of primary residence of reef-using visitors in two different proportions. The first proportion is the percent of all reef-using visitors and the second is the proportion of foreign visitors. Mexico and Spain were tied for number one foreign countries in the summer with 0.55% (a little more than one-half of one percent of all reef-using visitors) and 25.0% of foreign reef-using visitors. During the winter season, Canada was the top foreign country accounting for 1.81% of all reef-using visitors and 24.39% of all foreign reef-using visitors. Appendix Table A.47 has the details by country and season.

**Table 2.12. Top Five Foreign Countries by Season**

<table>
<thead>
<tr>
<th>Country</th>
<th>Winter</th>
<th>Summer</th>
<th>Percent of Foreign Visitors</th>
<th>Percent of Foreign Reef Users</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>0.27</td>
<td>0.27</td>
<td>12.5</td>
<td>18.1</td>
<td>0.70</td>
</tr>
<tr>
<td>England</td>
<td>0.27</td>
<td>0.27</td>
<td>12.5</td>
<td>18.1</td>
<td>0.35</td>
</tr>
<tr>
<td>Mexico</td>
<td>0.55</td>
<td>0.55</td>
<td>25.0</td>
<td>36.2</td>
<td>0.50</td>
</tr>
<tr>
<td>Dominican Republic</td>
<td>0.27</td>
<td>0.27</td>
<td>12.5</td>
<td>18.1</td>
<td>0.30</td>
</tr>
<tr>
<td>Spain</td>
<td>0.55</td>
<td>0.55</td>
<td>25.0</td>
<td>36.2</td>
<td>0.46</td>
</tr>
</tbody>
</table>

1. Top five chosen based on weighted annual average. 2. Percent of all reef using visitors. 3. Percent of all foreign reef using visitors. See Appendix Table A.47 for more detail.
**Top States/Territories.**
As with countries of primary residence, states and territories are presented in two proportions, the proportion of all reef-using visitors and the proportion of all U.S. reef-using visitors. Florida was the number one state with 27.3% of all reef-using visitors coming from the state and accounting for 26.7% of all U.S. reef-using visitors during the summer, and 17.2% of all reef-using visitors and 15.9% of all U.S. visitors in the winter. Table 2.13 shows the top seven states by season. Appendix Table A.49 has the detail for all states and territories.

*Census Regions and Divisions.*
For purposes of tracking population, the U.S. Department of Commerce, Bureau of the Census also aggregates states into four Census Regions and nine Census Divisions. Territories are treated separately (Figure 2.9). The South Region was the top region of primary residence for reef-using visitors in both seasons followed by the East Region. The Midwest and West regions were close to the same in both seasons with a slightly higher percent from the Midwest. Less than one percent of reef-using visitors came from the territories in both seasons (Figure 2.8). Across the nine Census Divisions, the South Atlantic was number one in both seasons followed by the Middle Atlantic (Figure 2.10).

**Table 2.13. Top Seven States by Season**

<table>
<thead>
<tr>
<th>State</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida</td>
<td>27.3%</td>
<td>26.7%</td>
</tr>
<tr>
<td>New York</td>
<td>10.1%</td>
<td>9.9%</td>
</tr>
<tr>
<td>Texas</td>
<td>11.2%</td>
<td>11.0%</td>
</tr>
<tr>
<td>Maryland</td>
<td>5.9%</td>
<td>5.1%</td>
</tr>
<tr>
<td>California</td>
<td>4.2%</td>
<td>4.0%</td>
</tr>
<tr>
<td>New Jersey</td>
<td>3.9%</td>
<td>3.9%</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>2.8%</td>
<td>3.8%</td>
</tr>
</tbody>
</table>

1. Top seven chosen based on weighted annual average.
2. Percent of all reef using visitors.
3. Percent of all domestic (U.S.) reef using visitors.
See Appendix Table A.49 for more detail.

In both seasons, reef-using visitors primarily come from the South and the Northeast U.S. Except for the South, a lower proportion of summer season reef-using visitors come from the other Census Regions compared to the winter season.

**Figure 2.8** Census Division of Permanent Residence by Season
**Number of Annual Visits, Days and Length of Stays.**

In Chapter 1, the concepts of person-trips, visits and person-days were discussed and at the beginning of this chapter, estimates of total person-trips and person-days in Puerto Rico were presented for reef-using visitors. Here the sample averages and distributions for the annual number of visits and the annual number of days in Puerto Rico are presented along with averages and distributions for length of stay for the interview trip in terms of number of days and number of nights by season. Statistical tests were performed on the differences between summer and winter visitors. When statistical differences are noted, they are based on statistical significance criteria of 0.05 level or lower of significance or 95 percent or higher confidence level. See Leeworthy et al. (2017d) for the details on the statistical tests. In addition, the average number of nights by region and season are presented.

![Figure 2.9 U.S. Bureau of Census Regions and Divisions of the U.S.](image)

In both seasons, the highest proportion of reef-using visitors came from the South Atlantic Division followed by the Middle Atlantic Division.

![Figure 2.10 Census Region by Season](image)

<table>
<thead>
<tr>
<th>Region</th>
<th>Winter</th>
<th>Summer</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>33.8</td>
<td>23.0</td>
<td>25.9</td>
</tr>
<tr>
<td>South</td>
<td>40.9</td>
<td>56.2</td>
<td>52.1</td>
</tr>
<tr>
<td>Midwest</td>
<td>14.6</td>
<td>10.7</td>
<td>11.7</td>
</tr>
<tr>
<td>West</td>
<td>10.1</td>
<td>9.6</td>
<td>9.7</td>
</tr>
<tr>
<td>Territories</td>
<td>0.7</td>
<td>0.6</td>
<td>0.6</td>
</tr>
</tbody>
</table>

*Figure 2.10 Census Region by Season*
**Number of Annual Visits and Days.**
On average, reef-using visitors made 1.35 visits annually to Puerto Rico where they undertook reef-using activities. Over 80% only made one visit annually. There was no difference between summer and winter season visitors (Figure 2.11). In terms of the number of days spent annually in Puerto Rico undertaking reef-using activities, on average, reef-using visitors spent 10.5 days, and although the average was higher for summer season versus winter season visitors, the difference was not statistically significant. The greatest proportion of reef-using visitors were in Puerto Rico 6 to 14 days per year with the next highest proportion at 3 to 5 days (Figure 2.12).

**Figure 2.11 Annual Visits (Trips) to Puerto Rico for Reef Use by Season**

Over 80% of reef-using visitors make only one annual visit (trip) to Puerto Rico and there is no significant difference between summer and winter season visitors.

<table>
<thead>
<tr>
<th></th>
<th>Winter</th>
<th>Summer</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>180</td>
<td>101</td>
<td>180</td>
</tr>
<tr>
<td>Minimum</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Mean</td>
<td>9.6</td>
<td>10.84</td>
<td>10.49</td>
</tr>
<tr>
<td>Median</td>
<td>6</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Mode</td>
<td>5</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

**Figure 2.12 Annual Days in Puerto Rico for Reef Using Visitors by Season**

On average, summer season visitors spend more days annually in Puerto Rico than winter season visitors but the difference is not statistically significant. Across both seasons, 44% of reef-using visitors spend 6 to 14 days in Puerto Rico per year.
Length of Stay (Days) versus Number of Nights.

Length of stay on the interview trip was measured in terms of number of days and number of nights. For almost all trips, number of nights was number of days minus one i.e. there were very few day-trips to Puerto Rico. On average, reef-using visitors spent about 8.6 days per trip in Puerto Rico and, although the winter season had a higher average number of days per trip than the summer season visitors, the difference was not statistically significant. The highest proportion of reef-using visitors were on trips of 5 to 7 days in both seasons. The next highest proportion was almost equal between 3 to 4 days and 8 to 14 days per trip (Figure 2.13). The results were similar for the average number of nights. On average, reef-using visitors spent 7.78 nights per trip in Puerto Rico with no difference by season.

The highest proportion of trips were 5 to 7 nights followed by 3 to 4 nights and 8 to 14 nights (Figure 2.14). The highest average number of nights were spent in Region 4, NE with an average 5.56 nights in the summer and 5.23 nights in the winter. The difference was not statistically significant (Figure 2.15).

On average, winter season reef-using visitors have longer stays per trip than summer season visitors do, but the difference is not statistically significant. Over 40% in both seasons stay 5 to 7 days per trip.

<table>
<thead>
<tr>
<th>Column1</th>
<th>Winter</th>
<th>Summer</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>180</td>
<td>101</td>
<td>180</td>
</tr>
<tr>
<td>Minimum</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Mean</td>
<td>8.86</td>
<td>8.45</td>
<td>8.56</td>
</tr>
<tr>
<td>Median</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Mode</td>
<td>5</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Figure 2.13. Length of Stay (Days) by Season

On average, both summer and winter season reef-using visitors spent almost eight nights per trip in Puerto Rico. A little more than 40% spent 5 to 7 nights in Puerto Rico per trip.

<table>
<thead>
<tr>
<th>Column1</th>
<th>Winter</th>
<th>Summer</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>179</td>
<td>89</td>
<td>179</td>
</tr>
<tr>
<td>Minimum</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Mean</td>
<td>7.78</td>
<td>7.78</td>
<td>7.78</td>
</tr>
<tr>
<td>Median</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Mode</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

Figure 2.14. Number of Nights in Puerto Rico by Season
Demographic Profiles

In this section, demographic profiles of reef-using visitors are presented in terms of age, sex, race, ethnicity (Spanish, Hispanic or Latino), of the survey respondent only and household income (before taxes), party size, primary purpose of the trip and second home ownership in Puerto Rico.

Age.
Winter season reef-using visitors were, on average, older than summer season reef-using visitors. In both seasons, the highest proportion of reef-using visitors were between the ages of 25-34. In the summer season, a very low proportion of reef-using visitors were 65 or older (Figure 2.16).

<table>
<thead>
<tr>
<th>Region</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.73</td>
<td>0.88</td>
</tr>
<tr>
<td>2</td>
<td>0.56</td>
<td>0.50</td>
</tr>
<tr>
<td>3</td>
<td>0.51</td>
<td>0.31</td>
</tr>
<tr>
<td>4</td>
<td>5.56</td>
<td>5.23</td>
</tr>
<tr>
<td>5</td>
<td>0.41</td>
<td>0.77</td>
</tr>
</tbody>
</table>

Figure 2.15. Average Number of Nights by Region and Season

In both seasons, Region 4 – NE was where most of the overnight stays were made by reef-using visitors. On average in both seasons, reef-using visitors spent over five nights per trip in Region 4 – NE.

Winter season reef-using visitors are, on average, older than summer season visitors. In both seasons, the highest proportion of reef-using visitors are between the ages of 25 and 34. A much higher proportion of winter season visitors than summer season visitors are age 55 or older.

<table>
<thead>
<tr>
<th>Column</th>
<th>Summer</th>
<th>Winter</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>35.2</td>
<td>42.5</td>
<td>37.2</td>
</tr>
<tr>
<td>Median</td>
<td>33</td>
<td>41</td>
<td>34</td>
</tr>
<tr>
<td>Mode</td>
<td>25</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>Min</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Max</td>
<td>71</td>
<td>86</td>
<td>86</td>
</tr>
</tbody>
</table>

Figure 2.16. Age of Reef-using Visitors (Survey Respondents) by Season
Sex. Females made up the highest proportion of reef-using visitors in both seasons, 56.6% in the summer and 52.9% in the winter (Figure 2.17).

Ethnicity. A significantly higher proportion of summer season visitors were of Spanish, Hispanic or Latino ethnicity, more than 42% in the summer and 29% in the winter (Figure 2.18).

Race. Race was asked consistent with how the U.S. Census Bureau asks it with people allowed to respond to multiple classifications. For those who responded that they were more than one, the proportions are simply recorded here as more than one race. In both seasons, the overwhelming majority of reef-using visitors self-classified themselves as "White" with 68.4% in the winter season and 49.2% in the summer season. Annually, reef-using visitors were 15.8% Black or African American with 17.9% during the summer and 10.6% during the winter (Figure 2.19).
Household Income (Before Taxes). Household income (before taxes) was obtained in 15 categories from “Less than $20,000” to “$100,000 or more”. For presentation, the categories were collapsed to five categories. In addition, household income was also recoded to a continuous variable by setting its value to the middle of each category/interval. For the top category/interval, household income was set to $200,000. Winter season reef-using visitors had significantly higher household income than summer season visitors did. A much higher proportion of winter season visitors had household incomes over $100,000 (Figure 2.20).

Reef-using visitors were predominantly White in both seasons, however a significantly higher proportion of winter season visitors were White than summer season visitors. A significantly higher proportion of summer season visitors were Black or African American.

Figure 2.19. Race of Reef-using Visitors (Survey Respondents) by Season

On average, winter season reef-using visitors had higher household incomes than summer season visitors did. A significantly higher proportion of winter season visitors had household income above $100,000 compared to summer season visitors.

Figure 2.20. Household Income (Before Taxes) of Reef-using Visitors by Season
**Party Size.**
The annual average for the party size of reef-using visitors was 3.3 and, although winter season visitors had on average a slightly higher party size, the difference was not statistically significant. The highest proportion of reef-using visitor’s party size was two persons with a little more than 47% in both seasons (Figure 2.21).

**Primary Purpose of Trip.**
About three-quarters of all reef-using visitors in both seasons were on trips where the primary purpose was recreation or vacation. Visiting family or friends was next accounting for 18.3% annually and 19.2% during the summer and 16% during the winter. Those primarily on business trips were significantly higher in the winter season (Figure 2.22).

Although average party size was slightly higher for winter season visitors than summer season visitors, the difference was not statistically significant. In both seasons, over 47% were in parties of two people.
**Second Home Ownership in Puerto Rico.**
Reef-using visitors were also asked if they owned a second home in Puerto Rico. A small percent of reef-using visitors were seasonal visitors (stayed in Puerto Rico more than one month) and would therefore be more likely to own a second home in Puerto Rico. About 6.3% of all reef-using visitors owned a second home in Puerto Rico and this did not vary by season (Figure 2.23).

**Expenditures**
In Leeworthy et al. (2017b), the economic contribution/impact of reef-using visitors is estimated using the expenditures reef-using visitors made on the interview trip for trip-related expenditures plus the amount spent on annual types of expenditures for boat storage and marina fees, condominium and time-share fees, and RV or trailer park fees. These latter three annual expenditures were normalized to per person-trip and per person-day expenditures for purposes of developing average spending profiles. Expenditures were obtained from a mailback survey and as discussed in Chapter 1, insufficient sample sizes were obtained from summer season visitors to develop separate profiles by season.

**Expenditures Per Person-trip.**
Expenditures were obtained in very detailed categories of spending (see Appendix Table A.50). For profile purposes, the detailed spending categories were aggregated into 10 spending categories (Table 2.14).

**Expenditures Per Person-day.**
In many studies, expenditures profiles are presented on a per person per day basis for comparisons across other competing destinations. Total annual expenditures were divided by total annual number of person-days to estimate spending per person-day. This type of profile can be useful when analyzing the economic impact/contribution of strategies to increase person-days of visitation or analyzing the impacts of events, such as oil or chemical spills that reduce person-days of visitation.

![Figure 2.23. Second Home Ownership of Reef-using Visitors by Season](image)

![Table 2.14. Average Expenditures Per Person Per Trip and Per Day in Puerto Rico by Reef Using Visitors](table)

<table>
<thead>
<tr>
<th>Category</th>
<th>Per Person</th>
<th>Per Person</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lodging</strong></td>
<td>$455.95</td>
<td>$53.24</td>
</tr>
<tr>
<td><strong>Food &amp; Beverage</strong></td>
<td>$320.72</td>
<td>$37.45</td>
</tr>
<tr>
<td><strong>Transportation</strong></td>
<td>$667.49</td>
<td>$77.93</td>
</tr>
<tr>
<td><strong>Boating</strong></td>
<td>$38.59</td>
<td>$4.51</td>
</tr>
<tr>
<td><strong>Fishing</strong></td>
<td>$5.23</td>
<td>$0.61</td>
</tr>
<tr>
<td><strong>Diving</strong></td>
<td>$14.34</td>
<td>$1.67</td>
</tr>
<tr>
<td><strong>Sightseeing</strong></td>
<td>$35.71</td>
<td>$4.17</td>
</tr>
<tr>
<td><strong>Other Activity</strong></td>
<td>$20.95</td>
<td>$2.45</td>
</tr>
<tr>
<td><strong>Miscellaneous</strong></td>
<td>$77.37</td>
<td>$9.03</td>
</tr>
<tr>
<td><strong>Services</strong></td>
<td>$5.88</td>
<td>$0.69</td>
</tr>
<tr>
<td><strong>Total Trip-related</strong></td>
<td>$1,642.23</td>
<td>$191.74</td>
</tr>
<tr>
<td><strong>Annual Expenditures</strong></td>
<td>$8.79</td>
<td>$1.03</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$1,651.02</td>
<td>$192.77</td>
</tr>
</tbody>
</table>

1. See Appendix Table A. 50 for more detail.
Total Trip Related Expenditures $1,642
Total Trip Related Expenditures in Puerto Rico $1,302

**Figure 2.24.** Average Total Trip Expenditures Per Person by Season

For more information in this section, See Appendix Tables A.
Special Issue Questions

In this section, special issues are addressed that the local community and project partners requested. The questions were included in the satisfaction mailback and therefore results are not available by season due to small sample sizes for the summer season.

**Boat Ownership.**
Reef-using visitors were asked if they owned a private boat in Puerto Rico. None of the survey respondents answered yes to this question (Table 2.25). However, it probably is not true that not all reef-using visitors do not own a boat in Puerto Rico. The probability of boat ownership is low, and would require much larger sample size to estimate of the number of reef-using visitors that own a private boat in Puerto Rico.

**Own or Rent a Vacation Home on the Coast with Water Access.**
Reef-users were asked if they owned or rented a vacation home on the coast of Puerto Rico with water access. A little over 14% of reef-using visitors said they did (Figure 2.25).

<table>
<thead>
<tr>
<th>Table 2.15. Boat Ownership in Puerto Rico by Reef Using Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Own a boat in Puerto Rico % (Yes)</td>
</tr>
</tbody>
</table>

**Figure 2.25. Own or Rent a Vacation Home on the Coast with Water Access**
Importance of Beaches in Decision to Visit Puerto Rico.
Reef-users were asked how important beaches were in their decision to visit Puerto Rico using a five-point Likert scale where 1=Not Important, 2=Somewhat important, 3=Important, 4=Very Important and 5=Extremely important. Only 5.11% of reef-using visitors said it was not important and 80.11% responded that it was very or extremely important (Figure 2.26).

Current Trip First Visit to Puerto Rico for Recreation Activities.
Over half (52.54%) of all reef-using visitors were on their first visit to Puerto Rico for recreation activities (Figure 2.27). This is an important metric to measure over time because if the percent of first time visitors is rising it can signal trouble about retaining repeat customers if total visitation remains constant or is not increasing more than the increase in first time visitors. Importance-satisfaction ratings of natural resource attributes, facilities and services found in Leeworthy et al. (2017c) can help in assessing the areas that might need improvement.

Number of Years have been coming to Puerto Rico for Recreation Activities.
Including only those not on their first trip to Puerto Rico (the 47.46% in Figure 2.27), reef-using visitors have been coming to Puerto Rico for recreation an average of 11 years. Almost 64% of the reef-using visitors not on their first trip to Puerto Rico for recreation have been coming to Puerto Rico for recreation for five or more years (Figure 2.28). Of all reef-using visitors that would translate into 31.37% (47.46% times 63.86%) have been coming to Puerto Rico for recreation for five or more years.

---

**Figure 2.26. Importance of Beaches in Decision to Visit Puerto Rico**

**Figure 2.27. Was Current Trip your First Trip to Puerto Rico for Recreation Activities**

**Figure 2.28. Number of Years have been coming to Puerto Rico for Recreation Activities**
**Likelihood that Recommend Puerto Rico to a Friend or Family for their next Vacation.**

Table 2.16 contains the actual question and responses. Almost 73% of reef-using visitors are very likely to will recommend Puerto Rico to friends or family for their next vacation. Only 2.26% will not recommend.

**Likelihood that will Return to Puerto Rico for a visit.**

The question and responses are in Table 2.16. A little over 67% said they were very likely to will return to Puerto Rico for a visit. Only 3.39% said that they will not return and about 5%, either did not answer or did not know.

**How soon will return to Puerto Rico.**

For those who said they were somewhat likely to will return (91.52%), 48.81% said greater than one year and 38.1% said they will return is less than one year. A little over 10% said they did not know (Table 2.16). The next set of questions asked about the role of cruise ships and reef-using visitor’s decisions about choosing Puerto Rico as a destination for a non-cruise ship visit.

<table>
<thead>
<tr>
<th>Question/Response</th>
<th>Will not recommend (%)</th>
<th>Somewhat likely (%)</th>
<th>Likely (%)</th>
<th>Very Likely (%)</th>
<th>Will recommend (%)</th>
<th>Don't know (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>How likely is it that you will recommend Puerto Rico to a friend or family member for their next vacation?</td>
<td>2.26%</td>
<td>9.04%</td>
<td>15.25%</td>
<td>26.55%</td>
<td>46.33%</td>
<td>0.56%</td>
</tr>
<tr>
<td>How likely is it that you will return to Puerto Rico for a visit?</td>
<td>3.39%</td>
<td>6.78%</td>
<td>17.51%</td>
<td>24.29%</td>
<td>42.94%</td>
<td>2.82%</td>
</tr>
<tr>
<td>How soon might you return to Puerto Rico?</td>
<td>2.98%</td>
<td>7.74%</td>
<td>30.36%</td>
<td>48.81%</td>
<td>10.12%</td>
<td></td>
</tr>
</tbody>
</table>

Table 2.16. Likelihood of Recommending Puerto Rico and Return Visits
**Was first visit to Puerto Rico on a Cruise Ship stopover.**
Almost 11% of reef-using visitors said their first visit to Puerto Rico was on a cruise ship stopover (Table 2.17).

**Did Cruise Ship Stopover Result in Choice of Puerto Rico as a destination for a non-cruise ship visit.**
Of the almost 11% of reef-using visitors whose first visit to Puerto Rico was a cruise ship stopover, 58.82% answered it did result in a non-cruise ship visit (Table 2.17). That would translate into about 6.5% (10.98% times 58.82%) of all reef-using visitors chose to visit Puerto Rico for a non-cruise ship visit based on their first visit via a cruise ship stopover.

**If Cruise Ship First Visit to Puerto Rico, Did Experience lead to planning a non-cruise trip visit.**
Three quarters (75%) of those whose first trip to Puerto Rico was via a cruise ship stopover said that the cruise ship experience did lead to them planning a non-cruise ship visit (Table 2.17). That would translate into about 8% (10.98% times 75%) of all reef-using visitors who planned a non-cruise ship visit based on their cruise ship visit.

<table>
<thead>
<tr>
<th>Question/Response</th>
<th>% Yes</th>
<th>% No</th>
</tr>
</thead>
<tbody>
<tr>
<td>On your first visit ever to Puerto Rico, was your visit on a cruise ship stopover?</td>
<td>10.98%</td>
<td>89.02%</td>
</tr>
<tr>
<td>Did your stopover experience in Puerto Rico result in you choosing Puerto Rico as a destination for a non-cruise ship visit? (Percent of those that on first visit on cruise ship)</td>
<td>58.82%</td>
<td>41.18%</td>
</tr>
<tr>
<td>If this cruise ship visit was your first visit, did your experience lead you to think about planning a future non-cruise ship visit to Puerto Rico? (Percent of those on first visit on cruise ship)</td>
<td>75.00%</td>
<td>25.00%</td>
</tr>
</tbody>
</table>
Opinions on Natural Resource Management Issues

In this section, results are presented on the importance to reef-users on seven natural resource management issues. A five-point Likert scale of agreement was used on their support for different management approaches. The five-point Likert scale for agreement was 1=Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree and 5=Strongly Disagree. A mean score over 3.0 indicates support for the approach. For all seven statement there was strong support for the management approaches with the lowest mean score of 4.15 (2, support for marine reserves). Over 93% supported the creation of marine protected areas that allow activities as long as they don’t harm the resources. Almost 78% supported the creation of marine reserves that prohibit all activities that take things like fishing and ornamental trade for aquariums. Over 79% supported the creation of research only areas that only allow scientific and education activities. Over 98% support the increased protection of threatened and endangered species like turtles and elk and staghorn corals. Almost 94% support increased enforcement of environmental laws and regulations, 92% support increased education and outreach for violators of environmental laws and regulations. And finally, 90% support a balanced approach to using education and outreach and enforcement on violators of environmental laws and regulations (Table 2.19).

Table 2.18. Reef User’s Opinions on Development Issues

<table>
<thead>
<tr>
<th>Question/Response</th>
<th>% Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Islands like Puerto Rico face competing demands for development. When choosing a destination for your vacation and/or recreation activities, what is your preference?</td>
<td></td>
</tr>
<tr>
<td>Low development, small town atmosphere along the coast.</td>
<td>43.93%</td>
</tr>
<tr>
<td>Dense development, large town with high-rise hotels and casinos, many restaurants and shopping opportunities.</td>
<td>4.62%</td>
</tr>
<tr>
<td>Mix of low development and dense development places.</td>
<td>42.20%</td>
</tr>
<tr>
<td>No preference.</td>
<td>9.25%</td>
</tr>
</tbody>
</table>

Some people may be okay with staying in dense developed areas, but when doing certain recreation activities like visiting beaches, fishing, SCUBA diving, snorkeling, boating, surfing, wind surfing, paddle boarding, viewing wildlife, photography and hiking trails prefer to have views unobstructed by development (e.g. big hotels, offshore oil and gas platforms, wind turbines, etc.).

How important to you is to have areas with natural views protected?

<p>| Not important | 1.13% |
| Somehwat important | 3.95% |
| Important | 9.04% |
| Very Important | 28.81% |
| Extremely important | 57.06% |</p>
<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly Agree (%)</th>
<th>Strongly Disagree (%)</th>
<th>Agree (%)</th>
<th>Disagree (%)</th>
<th>Neutral (%)</th>
<th>Std. Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. I support the creation of marine protected areas that allow activities as long as they don't harm the resource.</td>
<td>0.57%</td>
<td>0.57%</td>
<td>63.64%</td>
<td>26.70%</td>
<td>8.52%</td>
<td>0.00%</td>
</tr>
<tr>
<td>2. I support the creation of marine resources that prohibit all activities that take things like fishing and ornamental trade for aquariums.</td>
<td>2.30%</td>
<td>6.32%</td>
<td>76.70%</td>
<td>18.18%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>3. I support the creation of research only areas that allow scientific and educational activities.</td>
<td>0.57%</td>
<td>2.84%</td>
<td>17.05%</td>
<td>28.98%</td>
<td>50.57%</td>
<td>4.26</td>
</tr>
<tr>
<td>4. I support increased protection of threatened and endangered species like turtles and el and staghorn corals.</td>
<td>0.00%</td>
<td>0.00%</td>
<td>1.70%</td>
<td>21.59%</td>
<td>76.70%</td>
<td>4.75</td>
</tr>
<tr>
<td>5. I support increased enforcement of environmental laws.</td>
<td>0.57%</td>
<td>1.14%</td>
<td>4.55%</td>
<td>18.18%</td>
<td>75.57%</td>
<td>4.67</td>
</tr>
<tr>
<td>6. I support increased education and outreach for violators of environmental laws and regulations.</td>
<td>0.00%</td>
<td>0.57%</td>
<td>7.39%</td>
<td>24.43%</td>
<td>67.61%</td>
<td>4.59</td>
</tr>
<tr>
<td>7. I support increased education and outreach on violators of environmental laws and regulations.</td>
<td>1.14%</td>
<td>0.00%</td>
<td>8.52%</td>
<td>26.70%</td>
<td>63.64%</td>
<td>4.52</td>
</tr>
</tbody>
</table>

Table 2.18. Importance of Natural Resource Management Issues to Reef Using Visitors.
References


Puerto Rico
Airport Survey
Socioeconomic Profile
Activity Appendix Tables
<table>
<thead>
<tr>
<th></th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participation</td>
<td>Number of Participation</td>
<td>Number of Participation</td>
</tr>
<tr>
<td><strong>Regions Visited</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
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<tr>
<td>Region 1-NW</td>
<td>124,855</td>
<td>48,568</td>
<td>173,423</td>
</tr>
<tr>
<td>Region 2-SW</td>
<td>117,801</td>
<td>33,870</td>
<td>151,670</td>
</tr>
<tr>
<td>Region 3-SE</td>
<td>61,369</td>
<td>28,932</td>
<td>90,301</td>
</tr>
<tr>
<td>Region 4-NE</td>
<td>721,618</td>
<td>274,734</td>
<td>996,352</td>
</tr>
<tr>
<td>Region 5-Culebra &amp; Vieques</td>
<td>112,158</td>
<td>54,261</td>
<td>166,419</td>
</tr>
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<td><strong>One Region Only</strong></td>
<td><strong>Participants</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Participants</strong></td>
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<td></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
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<tr>
<td>Region 1-NW Only</td>
<td>23,278</td>
<td>11,503</td>
<td>34,781</td>
</tr>
<tr>
<td>Region 2-SW Only</td>
<td>40,207</td>
<td>5,345</td>
<td>45,552</td>
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<tr>
<td>Region 3-SE Only</td>
<td>7,759</td>
<td>10,806</td>
<td>18,565</td>
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<tr>
<td>Region 4-NE Only</td>
<td>506,473</td>
<td>200,430</td>
<td>706,902</td>
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<tr>
<td>Region 5-Culebra &amp; Vieques Only</td>
<td>23,983</td>
<td>16,732</td>
<td>40,715</td>
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<td><strong>Rate (%)</strong></td>
<td><strong>Participants</strong></td>
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<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
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<td>Regions 1 and 4</td>
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<td>174</td>
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<td>2,963</td>
<td>18,482</td>
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<td>2,116</td>
<td>407</td>
<td>2,523</td>
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<tr>
<td>Regions 4 and 5</td>
<td>56,432</td>
<td>25,911</td>
<td>82,342</td>
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<td><strong>Rate (%)</strong></td>
<td><strong>Participants</strong></td>
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<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
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<tr>
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<td>3,195</td>
<td>13,776</td>
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<td>116</td>
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<tr>
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<td>3,660</td>
<td>16,357</td>
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<td>Regions 1, 4 and 5</td>
<td>8,465</td>
<td>1,278</td>
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<td>639</td>
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<td>2,822</td>
<td>930</td>
<td>3,751</td>
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<tr>
<td><strong>Four Regions</strong></td>
<td><strong>Participants</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Participants</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
</tr>
<tr>
<td>Regions 1, 2, 3 and 4</td>
<td>4,938</td>
<td>5,112</td>
<td>10,050</td>
</tr>
<tr>
<td>Regions 1, 2, 3, and 5</td>
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<td>0</td>
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<tr>
<td>Regions 2, 3, 4 and 5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>All Regions</strong></td>
<td><strong>Participants</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Participants</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
<td><strong>Rate (%)</strong></td>
</tr>
<tr>
<td></td>
<td>9,170</td>
<td>1,569</td>
<td>10,739</td>
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</table>
### Table A2. Reef Activity Participation by Season

<table>
<thead>
<tr>
<th></th>
<th>Summer</th>
<th></th>
<th>Winter</th>
<th></th>
<th>Annual</th>
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<tr>
<td></td>
<td>Number of Participation</td>
<td>Rate (%)</td>
<td>Number of Participation</td>
<td>Rate (%)</td>
<td>Number of Participation</td>
<td>Rate (%)</td>
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<tr>
<td>Reef Activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>All Diving</td>
<td>277,925</td>
<td>32.94</td>
<td>91,559</td>
<td>27.94</td>
<td>369,484</td>
<td>31.54</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>270,871</td>
<td>32.11</td>
<td>89,874</td>
<td>27.42</td>
<td>360,745</td>
<td>30.80</td>
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<tr>
<td>Snorkeling from charter/party boat</td>
<td>110,041</td>
<td>13.04</td>
<td>31,604</td>
<td>9.64</td>
<td>141,645</td>
<td>12.09</td>
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<tr>
<td>Snorkeling from a rental boat</td>
<td>7,759</td>
<td>0.92</td>
<td>6,216</td>
<td>1.90</td>
<td>13,975</td>
<td>1.19</td>
</tr>
<tr>
<td>Snorkeling from private boat</td>
<td>4,232</td>
<td>0.50</td>
<td>5,635</td>
<td>1.72</td>
<td>9,868</td>
<td>0.84</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>163,651</td>
<td>19.40</td>
<td>59,199</td>
<td>18.06</td>
<td>222,851</td>
<td>19.02</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>16,224</td>
<td>1.92</td>
<td>6,449</td>
<td>1.97</td>
<td>22,673</td>
<td>1.94</td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
<td>10,581</td>
<td>1.25</td>
<td>3,021</td>
<td>0.92</td>
<td>13,602</td>
<td>1.16</td>
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<td>SCUBA Diving from a rental boat</td>
<td>5,643</td>
<td>0.67</td>
<td>1,569</td>
<td>0.48</td>
<td>7,212</td>
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<tr>
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<td>0.00</td>
<td>116</td>
<td>0.04</td>
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<tr>
<td>SCUBA Diving from shore</td>
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<td>0.00</td>
<td>1,801</td>
<td>0.55</td>
<td>1,801</td>
<td>0.15</td>
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<tr>
<td>Special Activities while Diving</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diving for lobsters</td>
<td>0</td>
<td>0.00</td>
<td>523</td>
<td>0.16</td>
<td>523</td>
<td>0.04</td>
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<tr>
<td>Underwater Photography</td>
<td>1,411</td>
<td>0.17</td>
<td>11,154</td>
<td>3.40</td>
<td>12,565</td>
<td>1.07</td>
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<tr>
<td>Spear Fishing</td>
<td>2,822</td>
<td>0.33</td>
<td>988</td>
<td>0.30</td>
<td>3,809</td>
<td>0.33</td>
</tr>
<tr>
<td>All Reef Fishing</td>
<td>9,876</td>
<td>1.17</td>
<td>3,428</td>
<td>1.17</td>
<td>13,304</td>
<td>1.14</td>
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<tr>
<td>Inshore and light tackle fishing</td>
<td>9,876</td>
<td>1.17</td>
<td>2,789</td>
<td>0.85</td>
<td>12,664</td>
<td>1.08</td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
<td>7,054</td>
<td>0.84</td>
<td>2,091</td>
<td>0.64</td>
<td>9,145</td>
<td>0.78</td>
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<td>Fishing from a rental boat</td>
<td>2,822</td>
<td>0.33</td>
<td>581</td>
<td>0.18</td>
<td>3,403</td>
<td>0.29</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
<td>2,822</td>
<td>0.33</td>
<td>116</td>
<td>0.04</td>
<td>2,938</td>
<td>0.25</td>
</tr>
<tr>
<td>Other Fishing</td>
<td>0</td>
<td>0.00</td>
<td>639</td>
<td>0.20</td>
<td>639</td>
<td>0.05</td>
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<tr>
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<td>0</td>
<td>0.00</td>
<td>523</td>
<td>0.16</td>
<td>523</td>
<td>0.04</td>
</tr>
<tr>
<td>Other fishing from a party boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
<td>0.02</td>
<td>58</td>
<td>0.00</td>
</tr>
<tr>
<td>Other Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
<td>0.02</td>
<td>58</td>
<td>0.00</td>
</tr>
<tr>
<td>Fishing from shore</td>
<td>0</td>
<td>0.00</td>
<td>1,394</td>
<td>0.43</td>
<td>1,394</td>
<td>0.12</td>
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<td>Viewing Nature and Wildlife</td>
<td>147,427</td>
<td>17.47</td>
<td>62,743</td>
<td>19.15</td>
<td>210,171</td>
<td>17.94</td>
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<tr>
<td>Glass bottom boat rides</td>
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<td>2.09</td>
<td>6,274</td>
<td>1.91</td>
<td>23,909</td>
<td>2.04</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
<td>21,162</td>
<td>2.51</td>
<td>13,362</td>
<td>4.08</td>
<td>34,524</td>
<td>2.95</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
<td>22,573</td>
<td>2.68</td>
<td>9,237</td>
<td>2.82</td>
<td>31,810</td>
<td>2.72</td>
</tr>
<tr>
<td>Bioluminescent Bays</td>
<td>35,975</td>
<td>4.26</td>
<td>37,878</td>
<td>11.56</td>
<td>73,853</td>
<td>6.30</td>
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<tr>
<td>Ocean Kayaking</td>
<td>71,245</td>
<td>8.44</td>
<td>17,487</td>
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<td>88,732</td>
<td>7.58</td>
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<td>Whale Watching</td>
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<td>0.69</td>
<td>2,266</td>
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<td>Manatee Watching</td>
<td>9,170</td>
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### Table A3. Region 1 NW Reef Activity Participation by Season

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<td>Number of Participants</td>
<td>Rate (%)</td>
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<td>SCUBA Diving from charter/party boat</td>
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<td>SCUBA Diving from a rental boat</td>
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<td>All Reef Fishing</td>
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<td>Other Fishing from a rental boat</td>
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<tr>
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<td>Viewing nature-private/rental boat</td>
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Table A6. Region 4 NE Reef Activity Participation by Season

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<th>Winter</th>
<th>Annual</th>
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<tr>
<td>Diving for lobsters</td>
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<td>Underwater Photography</td>
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<tr>
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</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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</tr>
<tr>
<td>Other fishing from a private boat</td>
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<tr>
<td>Fishing from shore</td>
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### Notes
- Participation rates are calculated as participants divided by the estimated population for the region.
- The data is aggregated from regional surveys conducted annually.
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<tr>
<th>Reef Activity</th>
<th>Number of Participants Summer</th>
<th>Participation Rate (%) Summer</th>
<th>Number of Participants Winter</th>
<th>Participation Rate (%) Winter</th>
<th>Number of Participants Annual</th>
<th>Participation Rate (%) Annual</th>
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<tr>
<td>Inshore and light tackle fishing</td>
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<td>0.00</td>
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<td>0.04</td>
<td>116</td>
<td>0.01</td>
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<tr>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
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<tr>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
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<td>10,175</td>
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### Table A8. Region 1 NW Reef Activity Participation Within Region by Season

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<th>Winter</th>
<th>Annual</th>
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<td>Number of Participants</td>
<td>Rate (%)</td>
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</tr>
<tr>
<td><strong>Snorkeling from a private boat</strong></td>
<td>0</td>
<td>0.00</td>
<td>58</td>
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<tr>
<td><strong>Snorkeling from shore</strong></td>
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<td>15.25</td>
<td>14,175</td>
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<tr>
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<tr>
<td><strong>Diving for lobsters</strong></td>
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<tr>
<td><strong>All Reef Fishing</strong></td>
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<td><strong>Fishing from a rental boat</strong></td>
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<tr>
<td><strong>Fishing from a private boat</strong></td>
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<td><strong>Other fishing from a party boat</strong></td>
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<td>0</td>
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<tr>
<td><strong>Other Fishing from a rental boat</strong></td>
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<td>0</td>
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<tr>
<td><strong>Other fishing from a private boat</strong></td>
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1. Participation Rate here is the percent of reef using visitors to the region that did the activity in the region or the within region participation rate.
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<th>Winter</th>
<th>Annual</th>
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<td>Part.</td>
<td>No. of</td>
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<tr>
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<tr>
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<td>Underwater Photography</td>
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<td>Other fishing from a party boat</td>
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</tr>
<tr>
<td>Other fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from shore</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Viewing Nature and Wildlife</td>
<td>11,992</td>
<td>10.18</td>
<td>9,179</td>
</tr>
<tr>
<td>Glass bottom boat rides</td>
<td>0</td>
<td>0.00</td>
<td>523</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
<td>2,116</td>
<td>1.80</td>
<td>3,544</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
<td>8,465</td>
<td>7.19</td>
<td>2,672</td>
</tr>
<tr>
<td>Bioluminescent Bays</td>
<td>7,759</td>
<td>6.59</td>
<td>4,473</td>
</tr>
<tr>
<td>Ocean Kayaking</td>
<td>2,116</td>
<td>1.80</td>
<td>1,743</td>
</tr>
<tr>
<td>Whale Watching</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Manatee Watching</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Reef Activities</td>
<td>69,129</td>
<td>58.68</td>
<td>22,715</td>
</tr>
<tr>
<td>Surfing</td>
<td>0</td>
<td>0.00</td>
<td>871</td>
</tr>
<tr>
<td>Swimming</td>
<td>69,129</td>
<td>58.68</td>
<td>21,263</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing or kite boarding</td>
<td>2,116</td>
<td>1.80</td>
<td>930</td>
</tr>
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</table>

1. Participation Rate here is the percent of reef using visitors to the region that did the activity in the region or the within region participation rate.
Table A10. Region 3 SE Reef Activity Participation Within Region by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>1,918</td>
<td>3.13</td>
<td>1,220</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>1,918</td>
<td>3.13</td>
<td>1,220</td>
</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
<td>0</td>
<td>0.00</td>
<td>1,162</td>
</tr>
<tr>
<td>Snorkeling from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>174</td>
</tr>
<tr>
<td>Snorkeling from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>1,918</td>
<td>3.13</td>
<td>58</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Special Activities while Diving</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diving for lobsters</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Underwater Photography</td>
<td>0</td>
<td>0.00</td>
<td>174</td>
</tr>
<tr>
<td>Spear Fishing</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>All Reef Fishing</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Inshore and light tackle fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Other Fishing from a charter boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a party boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Other fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from shore</td>
<td>0</td>
<td>0.00</td>
<td>290</td>
</tr>
<tr>
<td>Viewing Nature and Wildlife</td>
<td>0</td>
<td>0.00</td>
<td>2,556</td>
</tr>
<tr>
<td>Glass bottom boat rides</td>
<td>0</td>
<td>0.00</td>
<td>1,046</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Bioluminescent Bays</td>
<td>0</td>
<td>0.00</td>
<td>1,046</td>
</tr>
<tr>
<td>Ocean Kayaking</td>
<td>0</td>
<td>0.00</td>
<td>1,336</td>
</tr>
<tr>
<td>Whale Watching</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Manatee Watching</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Reef Activities</td>
<td>9,864</td>
<td>16.07</td>
<td>14,582</td>
</tr>
<tr>
<td>Surfing</td>
<td>548</td>
<td>0.89</td>
<td>465</td>
</tr>
<tr>
<td>Swimming</td>
<td>9,864</td>
<td>16.07</td>
<td>14,466</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing or</td>
<td>0</td>
<td>0.00</td>
<td>407</td>
</tr>
<tr>
<td>kite boarding</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Participation Rate here is the percent of reef using visitors to the region that did the activity in the region or the within region participation rate.
Table A11. Region 4 NE Reef Activity Participation Within Region by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Participation</td>
<td>Participations</td>
<td>Rate (%)</td>
<td>Number of Participation</td>
</tr>
<tr>
<td>All Diving</td>
<td>198,216</td>
<td>27.47</td>
<td>52,228</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>194,689</td>
<td>26.98</td>
<td>51,008</td>
</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
<td>96,639</td>
<td>13.39</td>
<td>20,972</td>
</tr>
<tr>
<td>Snorkeling from a rental boat</td>
<td>7,759</td>
<td>1.08</td>
<td>4,251</td>
</tr>
<tr>
<td>Snorkeling from a private boat</td>
<td>4,232</td>
<td>0.59</td>
<td>2,440</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>100,871</td>
<td>13.98</td>
<td>29,454</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>7,759</td>
<td>1.08</td>
<td>4,299</td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
<td>7,054</td>
<td>0.98</td>
<td>1,801</td>
</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
<td>705</td>
<td>0.10</td>
<td>1,278</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0</td>
<td>0.00</td>
<td>1,162</td>
</tr>
<tr>
<td>Special Activities while Diving</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diving for lobsters</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Underwater Photography</td>
<td>22,573</td>
<td>3.13</td>
<td>7,669</td>
</tr>
<tr>
<td>Spear Fishing</td>
<td>1,411</td>
<td>0.20</td>
<td>232</td>
</tr>
<tr>
<td>All Reef Fishing</td>
<td>7,054</td>
<td>0.98</td>
<td>2,150</td>
</tr>
<tr>
<td>Inshore and light tackle fishing</td>
<td>7,054</td>
<td>0.98</td>
<td>1,743</td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
<td>7,054</td>
<td>0.98</td>
<td>1,743</td>
</tr>
<tr>
<td>Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing</td>
<td>0</td>
<td>0.00</td>
<td>407</td>
</tr>
<tr>
<td>Other Fishing from a charter boat</td>
<td>0</td>
<td>0.00</td>
<td>407</td>
</tr>
<tr>
<td>Other fishing from a party boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from shore</td>
<td>0</td>
<td>0.00</td>
<td>407</td>
</tr>
<tr>
<td>Viewing Nature and Wildlife</td>
<td>119,917</td>
<td>16.62</td>
<td>34,393</td>
</tr>
<tr>
<td>Glass bottom boat rides</td>
<td>11,992</td>
<td>1.66</td>
<td>1,336</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
<td>14,813</td>
<td>2.05</td>
<td>6,274</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
<td>11,286</td>
<td>1.56</td>
<td>4,531</td>
</tr>
<tr>
<td>Bioluminescent Bays</td>
<td>50,788</td>
<td>7.04</td>
<td>22,076</td>
</tr>
<tr>
<td>Ocean Kayaking</td>
<td>53,610</td>
<td>7.43</td>
<td>9,586</td>
</tr>
<tr>
<td>Whale Watching</td>
<td>0</td>
<td>0.00</td>
<td>930</td>
</tr>
<tr>
<td>Manatee Watching</td>
<td>9,170</td>
<td>1.27</td>
<td>1,510</td>
</tr>
<tr>
<td>Other Reef Activities</td>
<td>642,614</td>
<td>89.05</td>
<td>213,966</td>
</tr>
<tr>
<td>Surfing</td>
<td>2,822</td>
<td>0.39</td>
<td>8,598</td>
</tr>
<tr>
<td>Swimming</td>
<td>635,560</td>
<td>88.07</td>
<td>206,472</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing or kite boarding</td>
<td>45,851</td>
<td>6.35</td>
<td>12,432</td>
</tr>
</tbody>
</table>

1. Participation Rate here is the percent of reef using visitors to the region that did the activity in the region or the within region participation rate.
Table A12. Region 5 Culebra & Vieques Reef Activity Participation Within Region by Season¹

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of</td>
<td>Rate (%)</td>
<td>Number of</td>
</tr>
<tr>
<td>All Diving</td>
<td>12,697</td>
<td>11.32</td>
<td>7,901</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>43,029</td>
<td>38.36</td>
<td>19,520</td>
</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
<td>2,116</td>
<td>1.89</td>
<td>2,498</td>
</tr>
<tr>
<td>Snorkeling from a rental boat</td>
<td>705</td>
<td>0.63</td>
<td>58</td>
</tr>
<tr>
<td>Snorkeling from private boat</td>
<td>0</td>
<td>0.00</td>
<td>2,905</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>1,411</td>
<td>1.26</td>
<td>813</td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
<td>705</td>
<td>0.63</td>
<td>58</td>
</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Special Activities while Diving</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diving for lobsters</td>
<td>0</td>
<td>0.00</td>
<td>232</td>
</tr>
<tr>
<td>Underwater Photography</td>
<td>6,349</td>
<td>5.66</td>
<td>4,241</td>
</tr>
<tr>
<td>Spear Fishing</td>
<td>1,411</td>
<td>1.26</td>
<td>349</td>
</tr>
<tr>
<td>All Reef Fishing</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Inshore and light tackle fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Other Fishing from a charter boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>Other fishing from a party boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Fishing from shore</td>
<td>0</td>
<td>0.00</td>
<td>697</td>
</tr>
<tr>
<td>Viewing Nature and Wildlife</td>
<td>35,975</td>
<td>32.08</td>
<td>18,765</td>
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<tr>
<td>Glass bottom boat rides</td>
<td>5,643</td>
<td>5.03</td>
<td>3,137</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
<td>4,232</td>
<td>3.77</td>
<td>4,357</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
<td>2,822</td>
<td>2.52</td>
<td>3,834</td>
</tr>
<tr>
<td>Bioluminescent Bays</td>
<td>27,510</td>
<td>24.53</td>
<td>11,793</td>
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<tr>
<td>Ocean Kayaking</td>
<td>16,929</td>
<td>15.09</td>
<td>5,519</td>
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<tr>
<td>Whale Watching</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>Manatee Watching</td>
<td>0</td>
<td>0.00</td>
<td>174</td>
</tr>
<tr>
<td>Other Reef Activities</td>
<td>105,809</td>
<td>94.34</td>
<td>48,858</td>
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<tr>
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<td>0.00</td>
<td>1,801</td>
</tr>
<tr>
<td>Swimming</td>
<td>99,461</td>
<td>88.68</td>
<td>43,862</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing or kite boarding</td>
<td>5,643</td>
<td>5.03</td>
<td>4,531</td>
</tr>
</tbody>
</table>

1. Participation Rate here is the percent of reef using visitors to the region that did the activity in the region or the within region participation rate.
<table>
<thead>
<tr>
<th>Activity</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Snorkeling</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from a rental boat</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from a private boat</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>1.6</td>
<td>1.4</td>
</tr>
<tr>
<td><strong>All SCUBA Diving</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Inshore and light tackle fishing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
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</tr>
<tr>
<td>Fishing from a rental boat</td>
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</tr>
<tr>
<td><strong>Other Fishing</strong></td>
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<td></td>
</tr>
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</tr>
<tr>
<td>Other fishing from a party boat</td>
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</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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<td>0.0</td>
</tr>
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<tr>
<td>Fishing from shore</td>
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</tr>
<tr>
<td><strong>Viewing Nature and Wildlife</strong></td>
<td></td>
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</tr>
<tr>
<td>Glass bottom boat rides</td>
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</tr>
<tr>
<td>Inshore boating excursions</td>
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</tr>
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</tr>
<tr>
<td>Swimming</td>
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<td>2.4</td>
</tr>
<tr>
<td>Paddle boarding, wind surfing or</td>
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<td>1.6</td>
</tr>
<tr>
<td>kite boarding</td>
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<tr>
<td>Activity</td>
<td>Summer</td>
<td>Winter</td>
</tr>
<tr>
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<tr>
<td><strong>Snorkeling</strong></td>
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<tr>
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</tr>
<tr>
<td>Snorkeling from a rental boat</td>
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</tr>
<tr>
<td>Snorkeling from a private boat</td>
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<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
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<td>1.0</td>
</tr>
<tr>
<td><strong>SCUBA Diving</strong></td>
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<td></td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
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</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0.0</td>
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</tr>
<tr>
<td><strong>Inshore and light tackle fishing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>Fishing from a rental boat</td>
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<td>1.0</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
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<td>1.0</td>
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<tr>
<td><strong>Other Fishing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Fishing from a charter boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>Other fishing from a party boat</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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<td>1.0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
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<td>1.0</td>
</tr>
<tr>
<td>Fishing from shore</td>
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<td>0.0</td>
</tr>
<tr>
<td><strong>Viewing Nature and Wildlife</strong></td>
<td></td>
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</tr>
<tr>
<td>Glass bottom boat rides</td>
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<td>1.0</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
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<td>1.0</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
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</tr>
<tr>
<td><strong>Other Reef Activities</strong></td>
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<td></td>
</tr>
<tr>
<td>Surfing</td>
<td>0.0</td>
<td>1.7</td>
</tr>
<tr>
<td>Swimming</td>
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Table A15. Average Number of Reef Activity Days by Season: Region 3 SE

<table>
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<tr>
<th>Activity</th>
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</tr>
</thead>
<tbody>
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<td><strong>Snorkeling</strong></td>
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<td></td>
</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
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<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from a rental boat</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Snorkeling from a private boat</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
<td>2.0</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>SCUBA Diving</strong></td>
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<td></td>
</tr>
<tr>
<td>SCUBA Diving from charter/party boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from a rental boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>SCUBA Diving from shore</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Inshore and light tackle fishing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishing from a charter/party boat</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Fishing from a rental boat</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td><strong>Other Fishing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>Other fishing from a party boat</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Other fishing from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>Fishing from shore</td>
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</tr>
<tr>
<td><strong>Viewing Nature and Wildlife</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass bottom boat rides</td>
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<td>1.0</td>
</tr>
<tr>
<td>Inshore boating excursions</td>
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<td>1.0</td>
</tr>
<tr>
<td>Viewing nature-private/rental boat</td>
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<td>1.0</td>
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<tr>
<td><strong>Other Reef Activities</strong></td>
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<td></td>
</tr>
<tr>
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</tr>
<tr>
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Table A16. Average Number of Reef Activity Days by Season: Region 4 NE

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<tr>
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<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Snorkeling</strong></td>
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</tr>
<tr>
<td>Snorkeling from charter/party boat</td>
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</tr>
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</tr>
<tr>
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<td>2.0</td>
</tr>
<tr>
<td>Snorkeling from shore</td>
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<td>1.6</td>
</tr>
<tr>
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<tr>
<td>SCUBA Diving from a rental boat</td>
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</tr>
<tr>
<td>SCUBA Diving from a private boat</td>
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</tr>
<tr>
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</tr>
<tr>
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<td></td>
</tr>
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<tr>
<td>Fishing from a private boat</td>
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</tr>
<tr>
<td><strong>Other Fishing</strong></td>
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<tr>
<td>Other fishing from a party boat</td>
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</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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<tr>
<td>Other fishing from a private boat</td>
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<td>0.0</td>
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<tr>
<td>Fishing from shore</td>
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</tr>
<tr>
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</tr>
<tr>
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<tr>
<td><strong>Other Reef Activities</strong></td>
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</tr>
<tr>
<td>Surfing</td>
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<td>2.2</td>
</tr>
<tr>
<td>Swimming</td>
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</tr>
<tr>
<td>Paddle boarding, wind surfing or kite boarding</td>
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<td>1.5</td>
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<tr>
<td>Activity</td>
<td>Summer</td>
<td>Winter</td>
</tr>
<tr>
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<tr>
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<tr>
<td>Snorkeling from a private boat</td>
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<tr>
<td>Snorkeling from shore</td>
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<td><strong>SCUBA Diving</strong></td>
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<tr>
<td>SCUBA Diving from a rental boat</td>
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<tr>
<td>SCUBA Diving from a private boat</td>
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<tr>
<td>SCUBA Diving from shore</td>
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</tr>
<tr>
<td>Fishing from a rental boat</td>
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</tr>
<tr>
<td>Fishing from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td><strong>Other Fishing</strong></td>
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</tr>
<tr>
<td>Other fishing from a party boat</td>
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</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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</tr>
<tr>
<td>Other fishing from a private boat</td>
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<td>0.0</td>
</tr>
<tr>
<td>Fishing from shore</td>
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<tr>
<td><strong>Viewing Nature and Wildlife</strong></td>
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<tr>
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<tr>
<td>kite boarding</td>
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Table A18. Total Number of Reef Activity Days by Season: All Regions

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<th>Annual</th>
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<tr>
<td>All Diving</td>
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<td>186,641</td>
<td>569,573</td>
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<td>361,771</td>
<td>176,086</td>
<td>537,857</td>
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<td>124,643</td>
<td>88,374</td>
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<td>Snorkeling from a rental boat</td>
<td>11,991</td>
<td>12,084</td>
<td>24,075</td>
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<tr>
<td>Snorkeling from a private boat</td>
<td>6,348</td>
<td>7,843</td>
<td>14,191</td>
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<td>Snorkeling from shore</td>
<td>251,289</td>
<td>102,467</td>
<td>353,756</td>
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<td>All SCUBA Diving</td>
<td>21,161</td>
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<td>2,207</td>
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<td>SCUBA Diving from shore</td>
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<td>All Reef Fishing</td>
<td>17,636</td>
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<tr>
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<tr>
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<td>18,168</td>
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<td>65,601</td>
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</table>
**Table A19. Total Number of Reef Activity Days by Season: Region 1 NW**

<table>
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</tr>
<tr>
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<tr>
<td>Other Fishing from a rental boat</td>
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<tr>
<td>Other fishing from a private boat</td>
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<td>0</td>
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<td>Fishing from shore</td>
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<tr>
<td>Inshore boating excursions</td>
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<td>Viewing nature-private/rental boat</td>
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<td>37,720</td>
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<td>73,061</td>
<td>281,151</td>
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<td>4,555</td>
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Table A20. Total Number of Reef Activity Days by Season: Region 2 SW

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<th>Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
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<td>Snorkeling from a private boat</td>
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<td>0</td>
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<tr>
<td>Snorkeling from shore</td>
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<td>6,158</td>
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<td>6,158</td>
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<td>SCUBA Diving from shore</td>
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</tr>
<tr>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other Fishing from a rental boat</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other fishing from a private boat</td>
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<td>0</td>
</tr>
<tr>
<td>Fishing from shore</td>
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<tr>
<td>Viewing Nature and Wildlife</td>
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<tr>
<td>SCUBA Diving from a private boat</td>
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<td>0</td>
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</tr>
<tr>
<td>SCUBA Diving from shore</td>
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<td>Winter</td>
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</tr>
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<td>Winter</td>
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</tr>
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<td>Other Reef Activities</td>
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Table A24. Number of Dives for Reef Using Activities by Region and Season

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<tr>
<td>Charter/party boat</td>
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<td><strong>Region 5 - Culebra &amp; Vieques</strong></td>
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<tr>
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Table A25. Non-Reef Activity Participation by Season

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<td>Number of Participation</td>
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<td>Fishing from a private boat</td>
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<td>Personal Watercraft-private boat</td>
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<td>Other boating from private boat</td>
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<td>Wildlife Observation or Photography</td>
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<td>Other nature study and observation</td>
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<td>Photography of Natural Landscapes</td>
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<td>Beach Activities-not water-based</td>
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<td>Sunbathing</td>
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<td>Collection shells or seaglass</td>
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<td>Camping-Backpacking-Hiking-Picnicking</td>
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<td>Camping in primitive campgrounds</td>
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<td>Day Hiking</td>
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<td>Attending guided walk</td>
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<td>Self-guided nature or historic trail</td>
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<td>40,086</td>
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<td>Picnicking</td>
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<td>Summer Participation</td>
<td>Summer Rate (%)</td>
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<td>---------------------------------------------------</td>
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<td>Cultural, Historical &amp; Tourist Attractions</td>
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<td>Visiting historic areas, sites, memorials</td>
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<td>Reading roadside exhibits or markers</td>
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<td>Visiting museum, education facility</td>
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<tr>
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<td>Number of Participation</td>
<td>Number of Participation</td>
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<tr>
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<tr>
<td>Fishing from a private boat</td>
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<td>Personal Watercraft-private boat</td>
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<td>Sailing from rental boat</td>
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<tr>
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<tr>
<td>Other boating from rental boat</td>
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<td>Reef Activity</td>
<td>Summer</td>
<td>Winter</td>
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<td>Number of Participants</td>
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<tr>
<td>Fishing from a rental boat</td>
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<td>0.00</td>
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<tr>
<td>Fishing from a private boat</td>
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<tr>
<td>Personal Watercraft Use</td>
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<tr>
<td>Personal Watercraft-private boat</td>
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<tr>
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<td>0.00</td>
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<tr>
<td>Sailing from rental boat</td>
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<td>Other boating from rental boat</td>
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<tr>
<td>Other boating from private boat</td>
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</tr>
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<td><strong>Viewing Nature and Wildlife-land</strong></td>
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<td>Other nature study and observ-</td>
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<td>Camping in primitive campgrounds</td>
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<td>Self-guided nature or historic trail</td>
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<tr>
<td>Picnicking</td>
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Table A27. Region 2 SW Non-Reef Activity Participation by Season (continued)

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<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
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<tr>
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<td>Participants</td>
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<td>Participants</td>
</tr>
<tr>
<td></td>
<td>Rate (%)</td>
<td>Rate (%)</td>
<td>Rate (%)</td>
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<td>349</td>
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<tr>
<td>Attending indoor concerts, plays</td>
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<td>407</td>
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<td>Sightsseeing tours &amp; attractions (paid)</td>
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<td>Attending indoor sports events</td>
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<tr>
<td><strong>Agricultural tourism</strong></td>
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<td><strong>1,220</strong></td>
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<td>Tennis</td>
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<td>407</td>
<td>407</td>
</tr>
<tr>
<td>Zip Lining</td>
<td><strong>5,643</strong></td>
<td>0</td>
<td><strong>5,643</strong></td>
</tr>
<tr>
<td>Mountain climbing, rock climbing or</td>
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<td>116</td>
<td><strong>4,349</strong></td>
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<tr>
<td>Other outdoor sports or games</td>
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<td>0</td>
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<td><strong>9,087</strong></td>
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<td>116</td>
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<td><strong>8,797</strong></td>
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<td>Summer</td>
<td>Winter</td>
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<td>Rate (%)</td>
<td>Number</td>
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<tr>
<td>Fishing from a private boat</td>
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<td>0</td>
</tr>
<tr>
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<td>Other boating from rental boat</td>
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<td>Other boating from private boat</td>
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<td>1,394</td>
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<td>2,266</td>
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<tr>
<td>Camping in primitive campgrounds</td>
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<td>1,278</td>
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<td>Summer</td>
<td>Winter</td>
<td>Annual</td>
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<tr>
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<tr>
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<td>0</td>
</tr>
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<td>Visiting forest or nature preserves</td>
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<td>Zip Lining</td>
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<td>2,963</td>
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<td>Rappeling</td>
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<td>Other outdoor sports or games</td>
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<tr>
<td>Bicycling-Horseback riding-Driving for Pleasure</td>
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<td>Horseback riding</td>
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<tr>
<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>465</td>
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<td>0.42</td>
<td>407</td>
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Table A29. Region 4 NE Non-Reef Activity Participation by Season

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<th>Winter</th>
<th>Annual</th>
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<td>Number of</td>
</tr>
<tr>
<td></td>
<td>Participants</td>
<td>Rate (%)</td>
<td>Participants</td>
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<td>2,116</td>
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<td>1,162</td>
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<td>Fishing from a rental boat</td>
<td>1,411</td>
<td>0.17</td>
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<tr>
<td>Fishing from a private boat</td>
<td>2,822</td>
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<td><strong>Personal Watercraft Use</strong></td>
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<td>12,955</td>
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<td>Personal Watercraft-private boat</td>
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<td>Sailing from private boat</td>
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<td>Other boating from rental boat</td>
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<td>87,782</td>
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<td>Wildlife Observation or Photography</td>
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<td>50,195</td>
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<td>65.97</td>
<td>196,189</td>
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<td>44,443</td>
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<td>31,488</td>
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<td>Summer</td>
<td>Winter</td>
<td>Annual</td>
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<td>Number of</td>
<td>Number of</td>
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<td>Participants</td>
<td>Participants</td>
<td>Participants</td>
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<td></td>
<td>Rate (%)</td>
<td>Rate (%)</td>
<td>Rate (%)</td>
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<td>Visiting forest or nature preserves</td>
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<td>385,532</td>
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<td>4,590</td>
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<td>0.85</td>
<td>0.54</td>
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<td>91,528</td>
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<td>9.70</td>
<td>2.96</td>
<td>7.81</td>
</tr>
<tr>
<td>Mountain climbing, rock climbing or</td>
<td>40,913</td>
<td>4,648</td>
<td>45,560</td>
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<td>4.85</td>
<td>1.42</td>
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<td>Rappelling</td>
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<td>Pleasure</td>
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<td>2.76</td>
<td>1.28</td>
<td>2.34</td>
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<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>11.61</td>
<td>15.05</td>
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Table A30. Region 5 Culebra & Vieques Non-Reef Activity Participation by Season

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<th>Winter</th>
<th>Annual</th>
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<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
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<td>Offshore Fishing</td>
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<td>Fishing from a charter boat</td>
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<td>0.00</td>
<td>581</td>
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<tr>
<td>Fishing from a rental boat</td>
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<td>58</td>
</tr>
<tr>
<td>Fishing from a private boat</td>
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<td>232</td>
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<td>Personal Watercraft-rental boat</td>
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<tr>
<td>Personal Watercraft-private boat</td>
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<td>0.17</td>
<td>581</td>
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<td><strong>Sailing</strong></td>
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<td>Sailing from private boat</td>
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<td><strong>Other Boating</strong></td>
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<td>7,262</td>
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<td>0.17</td>
<td>1,859</td>
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<tr>
<td>Other boating from private boat</td>
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<td>44,440</td>
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<td>Wildlife Observation or Photography</td>
<td>24,689</td>
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<td>10,690</td>
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<td>Other nature study and observation</td>
<td>4,232</td>
<td>0.50</td>
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<td>Photography of Natural Landscapes</td>
<td>37,386</td>
<td>4.43</td>
<td>13,304</td>
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<tr>
<td><strong>Beach Activities-not water-based</strong></td>
<td>95,934</td>
<td>11.37</td>
<td>37,878</td>
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<tr>
<td>Sunbathing</td>
<td>91,701</td>
<td>10.87</td>
<td>36,077</td>
</tr>
<tr>
<td>Collection shells or seaglass</td>
<td>26,100</td>
<td>3.09</td>
<td>13,130</td>
</tr>
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<td><strong>Camping-Backpacking-Hiking-Picnicking</strong></td>
<td>23,278</td>
<td>2.76</td>
<td>11,561</td>
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<tr>
<td>Backpacking</td>
<td>2,116</td>
<td>0.25</td>
<td>1,220</td>
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<td>Camping in developed campgrounds</td>
<td>2,822</td>
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<tr>
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<td>Reef Activity</td>
<td>Summer</td>
<td>Winter</td>
<td>Annual</td>
</tr>
<tr>
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<td></td>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
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<tr>
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<td>Agricultural tourism</td>
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<td>Visiting forest or nature preserves</td>
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<tr>
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<td>0.25</td>
<td>1,452</td>
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<tr>
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<td>Tennis</td>
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<tr>
<td>Zip Lining</td>
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<td>0</td>
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<tr>
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<tr>
<td>Rappeling</td>
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<td>0.00</td>
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<tr>
<td>Other outdoor sports or games</td>
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<tr>
<td><strong>Bicycling-Horseback riding-Driving for Pleasure</strong></td>
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</tr>
<tr>
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<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>Visited Casino</td>
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Table A31. Region 1 NW Non-Reef Activity Within Region Participation Rates by Season

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<th>Winter</th>
<th>Annual</th>
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<td>Number of Participation</td>
<td>Rate (%)</td>
<td>Number of Participation</td>
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<td>0</td>
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<tr>
<td>Fishing from a rental boat</td>
<td>0</td>
<td>0.00</td>
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<tr>
<td>Fishing from a private boat</td>
<td>3,527</td>
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<td>116</td>
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<td><strong>Personal Watercraft Use</strong></td>
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</tr>
<tr>
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<td>2.82</td>
<td>349</td>
</tr>
<tr>
<td>Personal Watercraft-private boat</td>
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<td>0.00</td>
<td>0</td>
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<tr>
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<tr>
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<td>0.00</td>
<td>407</td>
</tr>
<tr>
<td>Sailing from private boat</td>
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<td>0.00</td>
<td>116</td>
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<tr>
<td><strong>Other Boating</strong></td>
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<td>5.08</td>
<td>2,672</td>
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<tr>
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<td>Other boating from private boat</td>
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<td>26.55</td>
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<td>Sunbathing</td>
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<td>Collection shells or seaglass</td>
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<tr>
<td>Camping in developed campgrounds</td>
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<td>0.00</td>
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<tr>
<td>Camping in primitive campgrounds</td>
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<td>Day Hiking</td>
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### Table A31. Region 1 NW Non-Reef Activity Within Region Participation Rates by Season (continued)

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<th>Annual</th>
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<td>Participants</td>
<td>Participants</td>
</tr>
<tr>
<td></td>
<td>Rate (%)</td>
<td>Rate (%)</td>
<td>Rate (%)</td>
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<td>1,701</td>
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<td>523</td>
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<tr>
<td>Agricultural tourism</td>
<td>0</td>
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<td>697</td>
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<td>Visiting forest or nature preserves</td>
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<td>Tennis</td>
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<td>Zip Lining</td>
<td>1,411</td>
<td>348.573</td>
<td>1,759</td>
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<tr>
<td>Mountain climbing, rock climbing or</td>
<td>1,411</td>
<td>0.000</td>
<td>1,411</td>
</tr>
<tr>
<td>Rappeling</td>
<td>1,411</td>
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<td>2,108</td>
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<tr>
<td>Other outdoor sports or games</td>
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<td>697.147</td>
<td>2,108</td>
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<td>Table A32. Region 2 SW Non-Reef Activity Within Region Participation Rates by Season</td>
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<td></td>
<td><strong>Summer</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Annual</strong></td>
</tr>
<tr>
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<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
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<td>Fishing from a rental boat</td>
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<tr>
<td>Fishing from a private boat</td>
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<td>0.00</td>
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<tr>
<td>Sailing from rental boat</td>
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<td>0.00</td>
<td>581</td>
</tr>
<tr>
<td>Sailing from private boat</td>
<td>0</td>
<td>0.00</td>
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<tr>
<td><strong>Other Boating</strong></td>
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<tr>
<td>Other boating from private boat</td>
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<td>1.80</td>
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<tr>
<td>Camping in primitive campgrounds</td>
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<tr>
<td>Attending guided walk</td>
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<td>581</td>
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<td>Reef Activity</td>
<td>Summer</td>
<td>Winter</td>
<td>Annual</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----------</td>
<td>-----------</td>
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</tr>
<tr>
<td>Cultural, Historical &amp; Tourist Attractions</td>
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<tr>
<td>Attending indoor concerts, plays</td>
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<td>407</td>
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<tr>
<td>Sightseeing tours &amp; attractions (paid)</td>
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<tr>
<td>Attending indoor sports events</td>
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<td>116</td>
<td>116</td>
</tr>
<tr>
<td>Agricultural tourism</td>
<td>7,054</td>
<td>1,220</td>
<td>8,274</td>
</tr>
<tr>
<td>Visiting forest or nature preserves</td>
<td>14,813</td>
<td>2,789</td>
<td>17,602</td>
</tr>
<tr>
<td>Visiting caves</td>
<td>7,759</td>
<td>697</td>
<td>8,456</td>
</tr>
<tr>
<td><strong>Outdoor Sports</strong></td>
<td><strong>9,876</strong></td>
<td><strong>755</strong></td>
<td><strong>10,631</strong></td>
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<tr>
<td>Golf</td>
<td>0</td>
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<td>349</td>
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<tr>
<td>Tennis</td>
<td>0</td>
<td>407</td>
<td>407</td>
</tr>
<tr>
<td>Zip Lining</td>
<td>5,643</td>
<td>0</td>
<td>5,643</td>
</tr>
<tr>
<td>Mountain climbing, rock climbing or</td>
<td>4,232</td>
<td>116</td>
<td>4,349</td>
</tr>
<tr>
<td><strong>Rappelings</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other outdoor sports or games</td>
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<td>0</td>
<td>0</td>
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<tr>
<td><strong>Bicycling-Horseback riding-Driving for</strong></td>
<td><strong>7,054</strong></td>
<td><strong>2,033</strong></td>
<td><strong>9,087</strong></td>
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<tr>
<td>Horseback riding</td>
<td>0</td>
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<td>116</td>
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<tr>
<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>1,743</td>
<td>8,797</td>
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<td><strong>Other Activities</strong></td>
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<td><strong>5,096</strong></td>
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<td>2,116</td>
<td>116</td>
<td>2,232</td>
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<td>Visited Casino</td>
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Table A32. Region 2 SW Non-Reef Activity Within Region Participation Rates by Season (continued)
<table>
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<th>Reef Activity</th>
<th>Number of Participation</th>
<th>Rate (%)</th>
<th>Number of Participation</th>
<th>Rate (%)</th>
<th>Number of Participation</th>
<th>Rate (%)</th>
</tr>
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<tbody>
<tr>
<td><strong>Offshore Fishing</strong></td>
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<td>3.45</td>
<td>0</td>
<td>0.00</td>
<td>2,116</td>
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<td>0.00</td>
<td>2,116</td>
<td>2.34</td>
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<tr>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
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<tr>
<td>Fishing from a private boat</td>
<td>0</td>
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<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Personal Watercraft Use</strong></td>
<td>0</td>
<td>0.00</td>
<td>1,394</td>
<td>4.82</td>
<td>1,394</td>
<td>1.54</td>
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<tr>
<td>Personal Watercraft-rental boat</td>
<td>0</td>
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<td>1,278</td>
<td>4.42</td>
<td>1,278</td>
<td>1.42</td>
</tr>
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<td>Personal Watercraft-private boat</td>
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<td>0.00</td>
<td>116</td>
<td>0.40</td>
<td>116</td>
<td>0.13</td>
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<td>1,701</td>
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<td>0</td>
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<td>Sailing from rental boat</td>
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<td>Sailing from private boat</td>
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<td>2.30</td>
<td>232</td>
<td>0.80</td>
<td>1,643</td>
<td>1.82</td>
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<td><strong>Other Boating</strong></td>
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<td>523</td>
<td>0.58</td>
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<tr>
<td>Other Boating from charter boat</td>
<td>0</td>
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<td>0</td>
<td>0.00</td>
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<td>0.00</td>
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<td>1.20</td>
<td>349</td>
<td>0.39</td>
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<tr>
<td><strong>Viewing Nature and Wildlife-land</strong></td>
<td>7,759</td>
<td>12.64</td>
<td>3,660</td>
<td>12.65</td>
<td>11,419</td>
<td>12.65</td>
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<tr>
<td>Wildlife Observation or Photography</td>
<td>4,232</td>
<td>6.90</td>
<td>2,382</td>
<td>8.23</td>
<td>6,614</td>
<td>7.32</td>
</tr>
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<td>Other nature study and observation</td>
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<td>2.30</td>
<td>1,278</td>
<td>4.42</td>
<td>2,689</td>
<td>2.98</td>
</tr>
<tr>
<td>Photography of Natural Landscapes</td>
<td>4,938</td>
<td>8.05</td>
<td>2,266</td>
<td>7.83</td>
<td>7,203</td>
<td>7.98</td>
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<tr>
<td><strong>Beach Activities-not water-based</strong></td>
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<td>44.83</td>
<td>14,117</td>
<td>48.79</td>
<td>41,627</td>
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<td>Sunbathing</td>
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<td>43.68</td>
<td>13,711</td>
<td>47.39</td>
<td>40,516</td>
<td>44.87</td>
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<td>Collection shells or seaglass</td>
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<td>1,394</td>
<td>4.82</td>
<td>7,037</td>
<td>7.79</td>
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<td><strong>Camping-Backpacking-Hiking-Picnicking</strong></td>
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<td>6.90</td>
<td>2,266</td>
<td>7.83</td>
<td>6,498</td>
<td>7.20</td>
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<td>0.40</td>
<td>116</td>
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<tr>
<td>Camping in developed campgrounds</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
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</tr>
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<td>Camping in primitive campgrounds</td>
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<td>581</td>
<td>0.64</td>
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<td>1,278</td>
<td>4.42</td>
<td>2,689</td>
<td>2.98</td>
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<td>Winter</td>
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</tr>
<tr>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Participants</td>
<td>Rate (%)</td>
<td>Participants</td>
<td>Rate (%)</td>
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<td>14,108</td>
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<td>2,963</td>
<td>10.24</td>
<td>17,071</td>
<td>18.90</td>
</tr>
<tr>
<td>Attending special events (fairs, festivals)</td>
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<td>8.05</td>
<td>465</td>
<td>1.61</td>
<td>5,403</td>
<td>5.98</td>
</tr>
<tr>
<td>Attending outdoor concerts, plays</td>
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<td>3.45</td>
<td>116</td>
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<td>2,232</td>
<td>2.47</td>
</tr>
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<td>Attending indoor concerts, plays</td>
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<td>10.34</td>
<td>0</td>
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<td>7.03</td>
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<td>1,220</td>
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<td>4,042</td>
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<td>6.43</td>
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<td>1.81</td>
<td>8,282</td>
<td>9.17</td>
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<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Agricultural tourism</td>
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<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Visiting forest or nature preserves</td>
<td>5,643</td>
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<td>1,569</td>
<td>5.42</td>
<td>7,212</td>
<td>7.99</td>
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<td>Visiting caves</td>
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<td>1,411</td>
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</tr>
<tr>
<td>Outdoor Sports</td>
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<td>3,021</td>
<td>10.44</td>
<td>11,486</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Tennis</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
<td>0.20</td>
<td>58</td>
<td>0.06</td>
</tr>
<tr>
<td>Zip Lining</td>
<td>5,643</td>
<td>9.20</td>
<td>2,963</td>
<td>10.24</td>
<td>8,606</td>
<td>9.53</td>
</tr>
<tr>
<td>Mountain climbing, rock climbing or</td>
<td>2,822</td>
<td>4.60</td>
<td>1,278</td>
<td>4.42</td>
<td>4,100</td>
<td>4.54</td>
</tr>
<tr>
<td>Rappeling</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Other outdoor sports or games</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Bicycling-Horseback riding-Driving for</td>
<td>4,232</td>
<td>6.90</td>
<td>465</td>
<td>1.61</td>
<td>4,697</td>
<td>5.20</td>
</tr>
<tr>
<td>Pleasure</td>
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</tr>
<tr>
<td>Bicycling</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Horseback riding</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>6.90</td>
<td>465</td>
<td>1.61</td>
<td>4,697</td>
<td>5.20</td>
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<td>0.60</td>
<td>3,701</td>
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### Table A34. Region 4 NE Non-Reef Activity Within Region Participation Rates by Season

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<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summer</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Offshore Fishing</td>
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<td>1,801</td>
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<td>0.53</td>
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<td>0.42</td>
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<td>1,469</td>
<td>0.15</td>
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<td>0.21</td>
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<td>0.34</td>
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<td>12,955</td>
<td>4.72</td>
<td>45,403</td>
<td>4.56</td>
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<td>10,399</td>
<td>3.79</td>
<td>40,731</td>
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<td>Personal Watercraft-private boat</td>
<td>3,527</td>
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<td>9,528</td>
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<td>38,357</td>
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<td>2,091</td>
<td>0.76</td>
<td>6,324</td>
<td>0.63</td>
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<td>0.04</td>
<td>2,938</td>
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<td>7.59</td>
<td>105,504</td>
<td>10.59</td>
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<tr>
<td>Other Boating from charter boat</td>
<td>50,083</td>
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<td>12,723</td>
<td>4.63</td>
<td>62,806</td>
<td>6.30</td>
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<tr>
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<td>6,797</td>
<td>2.47</td>
<td>38,540</td>
<td>3.87</td>
</tr>
<tr>
<td>Other boating from private boat</td>
<td>2,822</td>
<td>0.39</td>
<td>2,498</td>
<td>0.91</td>
<td>5,320</td>
<td>0.53</td>
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<tr>
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<td>297,676</td>
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<td>31.95</td>
<td>385,459</td>
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<tr>
<td>Wildlife Observation or Photography</td>
<td>195,394</td>
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<td>Other nature study and observation</td>
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<td>166,476</td>
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<td>40.96</td>
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<td>26.20</td>
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<td>4,183</td>
<td>1.52</td>
<td>16,175</td>
<td>1.62</td>
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<td>Camping in developed campgrounds</td>
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<td>247,954</td>
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<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
<td>Rate (%)</td>
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<td>64.13</td>
<td>123,802</td>
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<td>4.97</td>
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<td>31,430</td>
<td>11.44</td>
<td>168,276</td>
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<td>1.95</td>
<td>10,283</td>
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<td>0.57</td>
<td>17,087</td>
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<td>Visiting forest or nature preserves</td>
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<td>66,694</td>
<td>24.28</td>
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<td>Visiting caves</td>
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<td>68,050</td>
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<td><strong>Outdoor Sports</strong></td>
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<td>17.01</td>
<td>25,794</td>
<td>9.39</td>
<td>148,533</td>
<td>14.91</td>
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<td>Golf</td>
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<td>4,590</td>
<td>1.67</td>
<td>10,938</td>
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<td>Tennis</td>
<td>3,527</td>
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<td>2,789</td>
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<td>6,316</td>
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<td>Zip Lining</td>
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<td>11.34</td>
<td>9,702</td>
<td>3.53</td>
<td>91,528</td>
<td>9.19</td>
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<td>Mountain climbing, rock climbing or</td>
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<td>1.69</td>
<td>45,560</td>
<td>4.57</td>
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<td>Rappeling</td>
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<td>Other outdoor sports or games</td>
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<td>7,436</td>
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<td>26,482</td>
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<td><strong>Bicycling-Horseback riding-Driving for Pleasure</strong></td>
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<td>1.56</td>
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<td>4,183</td>
<td>1.52</td>
<td>27,461</td>
<td>2.76</td>
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<td>Driving for Pleasure (mopeds, motorcycles)</td>
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<td>10,922</td>
<td>3.98</td>
<td>77,229</td>
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<td>38,053</td>
<td>13.85</td>
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<td>4,067</td>
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<td>18,175</td>
<td>1.82</td>
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### Table A35. Region 5 Culebra & Vieques Non-Reef Activity Within Region Participation Rates by Season

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<tr>
<th>Reef Activity</th>
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<th>Winter</th>
<th>Annual</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Number of</td>
<td>Number of</td>
<td>Number of</td>
</tr>
<tr>
<td></td>
<td>Participants</td>
<td>Participants</td>
<td>Participants</td>
</tr>
<tr>
<td></td>
<td>Rate (%)</td>
<td>Rate (%)</td>
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</tr>
<tr>
<td><strong>Offshore Fishing</strong></td>
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<tr>
<td>Fishing from a charter boat</td>
<td>0</td>
<td>813</td>
<td>1.50</td>
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<tr>
<td>Fishing from a rental boat</td>
<td>0</td>
<td>58</td>
<td>0.11</td>
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<tr>
<td>Fishing from a private boat</td>
<td>0</td>
<td>232</td>
<td>0.43</td>
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<td><strong>Personal Watercraft Use</strong></td>
<td>1,411</td>
<td>930</td>
<td>2,340</td>
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<td>Personal Watercraft-rental boat</td>
<td>0</td>
<td>349</td>
<td>0.64</td>
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<tr>
<td>Personal Watercraft-private boat</td>
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<td><strong>Sailing</strong></td>
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<td>4,257</td>
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<tr>
<td>Sailing from charter boat</td>
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<td>1,336</td>
<td>2,747</td>
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<td>Sailing from rental boat</td>
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<td>1,104</td>
<td>1,104</td>
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<tr>
<td>Sailing from private boat</td>
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<td>465</td>
<td>465</td>
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<td><strong>Other Boating</strong></td>
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<td>7,262</td>
<td>21,370</td>
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<td>Other boating from rental boat</td>
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<td>Other boating from private boat</td>
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<td>3,428</td>
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<td><strong>Viewing Nature and Wildlife-land</strong></td>
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<td>17,312</td>
<td>61,752</td>
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<td>Wildlife Observation or Photography</td>
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<td>10,690</td>
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<td>Photography of Natural Landscapes</td>
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<td><strong>Beach Activities-not water-based</strong></td>
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<td>37,878</td>
<td>133,812</td>
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<td>Sunbathing</td>
<td>91,701</td>
<td>36,077</td>
<td>127,779</td>
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<td>Collection shells or seaglass</td>
<td>26,100</td>
<td>13,130</td>
<td>39,229</td>
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<tr>
<td><strong>Camping-Backpacking-Hiking-Picnicking</strong></td>
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<td>Camping in developed campgrounds</td>
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<td>3,577</td>
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<td>Camping in primitive campgrounds</td>
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<td>116</td>
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<td>Attending guided walk</td>
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<td>Self-guided nature or historic trail</td>
<td>9,876</td>
<td>5,345</td>
<td>15,220</td>
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<td>Picnicking</td>
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### Table A35. Region 5 Culebra & Vieques Non-Reef Activity Within Region Participation Rates by Season (continued)

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<th>Annual</th>
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<td>Participation</td>
<td>Number of</td>
</tr>
<tr>
<td></td>
<td>Participants</td>
<td>Rate (%)</td>
<td>Participants</td>
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<td>Sightseeing tours &amp; attractions (paid)</td>
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<tr>
<td>Rappeling</td>
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<td>0.00</td>
<td>0</td>
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<tr>
<td>Other outdoor sports or games</td>
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<td>1.89</td>
<td>232</td>
</tr>
<tr>
<td>Bicycling-Horseback riding-Driving for</td>
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<td>7.55</td>
<td>5,112</td>
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<tr>
<td>Pleasure</td>
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<tr>
<td>Bicycling</td>
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<td>523</td>
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<td>Horseback riding</td>
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<td>Winter</td>
<td>Annual</td>
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<tr>
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<td>5,751</td>
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<tr>
<td>All Diving from shore</td>
<td>163,651</td>
<td>19.40</td>
<td>59,780</td>
</tr>
<tr>
<td>All Fishing</td>
<td>17,635</td>
<td>2.09</td>
<td>9,992</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>17,635</td>
<td>2.09</td>
<td>8,656</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>9,876</td>
<td>1.17</td>
<td>6,623</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>9,170</td>
<td>1.09</td>
<td>988</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>329,419</td>
<td>39.05</td>
<td>112,415</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>116,390</td>
<td>13.80</td>
<td>39,912</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>147,427</td>
<td>17.47</td>
<td>62,743</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>244,066</td>
<td>28.93</td>
<td>69,424</td>
</tr>
<tr>
<td>All Boating</td>
<td>237,012</td>
<td>28.09</td>
<td>78,894</td>
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<td>All Charter Boat Use</td>
<td>152,365</td>
<td>18.06</td>
<td>53,855</td>
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<td>All Rental Boat use</td>
<td>16,224</td>
<td>1.92</td>
<td>7,959</td>
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<tr>
<td>All Private Boat use</td>
<td>67,012</td>
<td>7.94</td>
<td>28,467</td>
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<td>798,506</td>
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<td>292,569</td>
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<td>Any Land-based Activities</td>
<td>710,332</td>
<td>84.20</td>
<td>212,281</td>
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<td>97,344</td>
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<td>87,376</td>
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<td>9.95</td>
<td>18,939</td>
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1. See Tables A.xx and A.xx for more detailed activities.
Table A37. Region 1 NW Special Aggregate Activity Participation by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summer</strong></td>
<td></td>
<td></td>
<td><strong>Winter</strong></td>
<td></td>
<td><strong>Annual</strong></td>
<td></td>
</tr>
<tr>
<td>All Diving</td>
<td>26,805</td>
<td>3.18</td>
<td>14,931</td>
<td>4.56</td>
<td>41,736</td>
<td>3.56</td>
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<tr>
<td>All Snorkeling</td>
<td>23,278</td>
<td>2.76</td>
<td>14,582</td>
<td>4.45</td>
<td>37,860</td>
<td>3.23</td>
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<tr>
<td>All Snorkeling from a boat</td>
<td>5,643</td>
<td>0.67</td>
<td>1,104</td>
<td>0.34</td>
<td>6,747</td>
<td>0.58</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>3,527</td>
<td>0.42</td>
<td>639</td>
<td>0.20</td>
<td>4,166</td>
<td>0.36</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>3,527</td>
<td>0.42</td>
<td>116</td>
<td>0.04</td>
<td>3,643</td>
<td>0.31</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>9,170</td>
<td>1.09</td>
<td>1,220</td>
<td>0.37</td>
<td>10,390</td>
<td>0.89</td>
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<tr>
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<td>813</td>
<td>0.25</td>
<td>9,983</td>
<td>0.85</td>
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<td>0.18</td>
<td>581</td>
<td>0.05</td>
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<td>0.00</td>
<td>58</td>
<td>0.02</td>
<td>58</td>
<td>0.00</td>
</tr>
<tr>
<td>All Diving from shore</td>
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<td>2.26</td>
<td>14,408</td>
<td>4.40</td>
<td>33,454</td>
<td>2.86</td>
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<td>0</td>
<td>0.00</td>
<td>930</td>
<td>0.28</td>
<td>930</td>
<td>0.08</td>
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<tr>
<td>All Fishing from a boat</td>
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<td>0.00</td>
<td>930</td>
<td>0.28</td>
<td>930</td>
<td>0.08</td>
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<tr>
<td>All Charter Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>2,905</td>
<td>0.89</td>
<td>2,905</td>
<td>0.25</td>
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<tr>
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<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>3,527</td>
<td>0.42</td>
<td>116</td>
<td>0.04</td>
<td>3,643</td>
<td>0.31</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>57,842</td>
<td>6.86</td>
<td>13,711</td>
<td>4.18</td>
<td>71,553</td>
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<td>All Nature Observation from a boat</td>
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<td>0.00</td>
<td>755</td>
<td>0.23</td>
<td>755</td>
<td>0.06</td>
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<tr>
<td>All Nature Observation on water</td>
<td>2,822</td>
<td>0.33</td>
<td>2,963</td>
<td>0.90</td>
<td>5,784</td>
<td>0.49</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>55,021</td>
<td>6.52</td>
<td>12,723</td>
<td>3.88</td>
<td>67,744</td>
<td>5.78</td>
</tr>
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<td>All Boating</td>
<td>14,108</td>
<td>1.67</td>
<td>6,913</td>
<td>2.11</td>
<td>21,021</td>
<td>1.79</td>
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<td>1.09</td>
<td>4,357</td>
<td>1.33</td>
<td>13,527</td>
<td>1.15</td>
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<tr>
<td>All Rental Boat use</td>
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<td>0.46</td>
<td>1,510</td>
<td>0.13</td>
</tr>
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<td>930</td>
<td>0.28</td>
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<td>0.38</td>
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<tr>
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<td>10.54</td>
<td>36,891</td>
<td>11.26</td>
<td>125,770</td>
<td>10.74</td>
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<td>92,407</td>
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<td>26,724</td>
<td>8.15</td>
<td>119,131</td>
<td>10.17</td>
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<td>4.64</td>
<td>41,321</td>
<td>3.53</td>
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<td>0.67</td>
<td>2,033</td>
<td>0.62</td>
<td>7,676</td>
<td>0.66</td>
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1. See Tables A.3 and A.26 for more detailed activities.
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<tr>
<th>Reef Activity</th>
<th>Summer Participation</th>
<th>Winter Participation</th>
<th>Annual Participation</th>
</tr>
</thead>
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<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
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<td>All Diving</td>
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<td>1.84</td>
<td>10,167</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>15,519</td>
<td>1.84</td>
<td>9,876</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>0</td>
<td>0.00</td>
<td>3,892</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>4,938</td>
<td>0.59</td>
<td>755</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>4,938</td>
<td>0.59</td>
<td>755</td>
</tr>
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<td>All Diving from a boat</td>
<td>4,938</td>
<td>0.59</td>
<td>4,299</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>0</td>
<td>0.00</td>
<td>3,079</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>4,938</td>
<td>0.59</td>
<td>988</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>465</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>15,519</td>
<td>1.84</td>
<td>6,158</td>
</tr>
<tr>
<td>All Fishing</td>
<td>2,822</td>
<td>0.33</td>
<td>174</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>2,822</td>
<td>0.33</td>
<td>174</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
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<td>0.00</td>
<td>2,324</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>2,822</td>
<td>0.33</td>
<td>116</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>45,145</td>
<td>5.35</td>
<td>16,209</td>
</tr>
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<td>8,465</td>
<td>1.00</td>
<td>5,229</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>11,992</td>
<td>1.42</td>
<td>9,179</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>33,154</td>
<td>3.93</td>
<td>9,179</td>
</tr>
<tr>
<td>All Boating</td>
<td>24,689</td>
<td>2.93</td>
<td>13,304</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>2,116</td>
<td>0.25</td>
<td>8,947</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>7,759</td>
<td>0.92</td>
<td>988</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>11,286</td>
<td>1.34</td>
<td>5,519</td>
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<tr>
<td>All Beach use</td>
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<td>24,284</td>
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<td>3,137</td>
</tr>
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</table>

1. See Tables A.4 and A.27 for more detailed activities.
Table A39. Region 3 SE Special Aggregate Activity Participation by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
<th>Number of Participants</th>
<th>Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Diving</td>
<td>4,938</td>
<td>0.59</td>
<td>1,220</td>
<td>0.37</td>
<td>6,158</td>
<td>0.53</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>4,938</td>
<td>0.59</td>
<td>1,220</td>
<td>0.37</td>
<td>6,158</td>
<td>0.53</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
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<td>0.00</td>
<td>1,220</td>
<td>0.37</td>
<td>1,220</td>
<td>0.10</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>0</td>
<td>0.00</td>
<td>1,220</td>
<td>0.37</td>
<td>1,220</td>
<td>0.10</td>
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<td>1,162</td>
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<td>0.00</td>
<td>174</td>
<td>0.05</td>
<td>174</td>
<td>0.01</td>
</tr>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
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<td>0.00</td>
<td>58</td>
<td>0.02</td>
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<td>0.00</td>
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<td>2,116</td>
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<td>0.02</td>
<td>58</td>
<td>0.00</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
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<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
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<td>1.83</td>
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<td>0.37</td>
<td>1,220</td>
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<td>1.12</td>
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<td>3,394</td>
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<td>174</td>
<td>0.05</td>
<td>174</td>
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<td>0.00</td>
<td>1,220</td>
<td>0.37</td>
<td>1,220</td>
<td>0.10</td>
</tr>
<tr>
<td>All Beach use</td>
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<td>4.86</td>
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<td>4.19</td>
</tr>
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<td>11,677</td>
<td>3.56</td>
<td>42,009</td>
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<td>10,457</td>
<td>3.19</td>
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1. See Tables A.5 and A.28 for more detailed activities.
<table>
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<th>Winter</th>
<th>Annual</th>
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<tbody>
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<td>Rate (%)</td>
<td>Number of</td>
</tr>
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</tr>
<tr>
<td>All Snorkeling</td>
<td>194,689</td>
<td>23.08</td>
<td>51,008</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
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<td>12.54</td>
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</tr>
<tr>
<td>All SCUBA Diving</td>
<td>7,759</td>
<td>0.92</td>
<td>4,299</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>7,759</td>
<td>0.92</td>
<td>3,137</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>109,336</td>
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<td>27,421</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>99,461</td>
<td>11.79</td>
<td>21,844</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>8,465</td>
<td>1.00</td>
<td>4,996</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>4,232</td>
<td>0.50</td>
<td>2,498</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>100,871</td>
<td>11.56</td>
<td>29,803</td>
</tr>
<tr>
<td>All Fishing</td>
<td>7,054</td>
<td>0.84</td>
<td>2,556</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>7,054</td>
<td>0.84</td>
<td>2,150</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>7,759</td>
<td>0.92</td>
<td>3,021</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>2,822</td>
<td>0.33</td>
<td>581</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>356,224</td>
<td>42.22</td>
<td>104,746</td>
</tr>
<tr>
<td></td>
<td>38,091</td>
<td>4.52</td>
<td>10,690</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>119,917</td>
<td>14.21</td>
<td>34,393</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>297,676</td>
<td>35.28</td>
<td>87,782</td>
</tr>
<tr>
<td>All Boating</td>
<td>196,099</td>
<td>23.24</td>
<td>55,191</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>124,149</td>
<td>14.72</td>
<td>30,500</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>8,465</td>
<td>1.00</td>
<td>5,054</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>45,145</td>
<td>5.35</td>
<td>13,652</td>
</tr>
<tr>
<td>All Beach use</td>
<td>655,311</td>
<td>77.68</td>
<td>230,581</td>
</tr>
<tr>
<td>Any Land-based Activities</td>
<td>636,971</td>
<td>75.50</td>
<td>190,553</td>
</tr>
<tr>
<td>Only Water-based Activities</td>
<td>62,780</td>
<td>7.44</td>
<td>60,536</td>
</tr>
<tr>
<td>Visiting Special Coral Reef Areas</td>
<td>53,610</td>
<td>6.35</td>
<td>9,237</td>
</tr>
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</table>

1. See Tables A.6 and A.29 for more detailed activities.
Table A41. Region 5 Culebra & Vieques Special Aggregate Activity Participation by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>57,137</td>
<td>6.77</td>
<td>28,583</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>56,432</td>
<td>6.69</td>
<td>28,409</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>14,813</td>
<td>1.76</td>
<td>12,839</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>2,116</td>
<td>0.25</td>
<td>1,046</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>2,116</td>
<td>0.25</td>
<td>988</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>15,519</td>
<td>1.84</td>
<td>13,711</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>12,697</td>
<td>1.51</td>
<td>8,656</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>2,822</td>
<td>0.33</td>
<td>2,556</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>3,021</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>43,029</td>
<td>5.10</td>
<td>19,520</td>
</tr>
<tr>
<td>All Fishing</td>
<td>0</td>
<td>0.00</td>
<td>813</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>697</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>232</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>64,896</td>
<td>7.69</td>
<td>29,396</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>7,054</td>
<td>0.84</td>
<td>9,470</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>35,975</td>
<td>4.26</td>
<td>18,765</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>44,440</td>
<td>5.27</td>
<td>17,312</td>
</tr>
<tr>
<td>All Boating</td>
<td>32,448</td>
<td>3.85</td>
<td>20,333</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>19,751</td>
<td>2.34</td>
<td>14,872</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>2,822</td>
<td>0.33</td>
<td>2,614</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>7,054</td>
<td>0.84</td>
<td>10,109</td>
</tr>
<tr>
<td>All Beach use</td>
<td>108,631</td>
<td>12.88</td>
<td>48,452</td>
</tr>
<tr>
<td>Any Land-based Activities</td>
<td>73,361</td>
<td>8.70</td>
<td>31,139</td>
</tr>
<tr>
<td>Only Water-based Activities</td>
<td>37,386</td>
<td>4.43</td>
<td>18,532</td>
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<tr>
<td>Visiting Special Coral Reef Areas</td>
<td>20,456</td>
<td>2.42</td>
<td>6,274</td>
</tr>
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</table>

1. See Tables A.7 and A.30 for more detailed activities.
<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Number of Participants</th>
<th>Participation Rate (%)</th>
<th>Number of Participants</th>
<th>Participation Rate (%)</th>
<th>Number of Participants</th>
<th>Participation Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Diving</td>
<td>26,805</td>
<td>2.36</td>
<td>14,931</td>
<td>30.74</td>
<td>41,736</td>
<td>24.07</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>23,278</td>
<td>2.05</td>
<td>14,582</td>
<td>30.02</td>
<td>37,860</td>
<td>21.83</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>5,643</td>
<td>0.50</td>
<td>1,104</td>
<td>2.27</td>
<td>6,747</td>
<td>3.89</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>3,527</td>
<td>0.31</td>
<td>639</td>
<td>1.32</td>
<td>4,166</td>
<td>2.40</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>3,527</td>
<td>0.31</td>
<td>116</td>
<td>0.24</td>
<td>3,643</td>
<td>2.10</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>9,170</td>
<td>0.81</td>
<td>1,220</td>
<td>2.51</td>
<td>10,390</td>
<td>5.99</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>9,170</td>
<td>0.81</td>
<td>813</td>
<td>1.67</td>
<td>9,983</td>
<td>5.76</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>0</td>
<td>0.00</td>
<td>581</td>
<td>1.20</td>
<td>581</td>
<td>0.33</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
<td>0.12</td>
<td>58</td>
<td>0.03</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>19,046</td>
<td>1.68</td>
<td>14,408</td>
<td>29.67</td>
<td>33,454</td>
<td>19.29</td>
</tr>
<tr>
<td>All Fishing</td>
<td>0</td>
<td>0.00</td>
<td>930</td>
<td>1.91</td>
<td>930</td>
<td>0.54</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>0</td>
<td>0.00</td>
<td>930</td>
<td>1.91</td>
<td>930</td>
<td>0.54</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>2,905</td>
<td>5.98</td>
<td>2,905</td>
<td>1.67</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>3,527</td>
<td>0.31</td>
<td>116</td>
<td>0.24</td>
<td>3,643</td>
<td>2.10</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>57,842</td>
<td>5.10</td>
<td>13,711</td>
<td>28.23</td>
<td>71,553</td>
<td>41.26</td>
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<td>0.00</td>
<td>755</td>
<td>1.56</td>
<td>755</td>
<td>0.44</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>2,822</td>
<td>0.25</td>
<td>2,963</td>
<td>6.10</td>
<td>5,784</td>
<td>3.34</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>55,021</td>
<td>4.85</td>
<td>12,723</td>
<td>26.20</td>
<td>67,744</td>
<td>39.06</td>
</tr>
<tr>
<td>All Boating</td>
<td>14,108</td>
<td>1.24</td>
<td>6,913</td>
<td>14.23</td>
<td>21,021</td>
<td>12.12</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
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<td>0.81</td>
<td>4,357</td>
<td>8.97</td>
<td>13,527</td>
<td>7.80</td>
</tr>
<tr>
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<td>0.00</td>
<td>1,510</td>
<td>3.11</td>
<td>1,510</td>
<td>0.87</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>3,527</td>
<td>0.31</td>
<td>930</td>
<td>1.91</td>
<td>4,456</td>
<td>2.57</td>
</tr>
<tr>
<td>All Beach use</td>
<td>88,880</td>
<td>7.83</td>
<td>36,891</td>
<td>75.96</td>
<td>125,770</td>
<td>72.52</td>
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<tr>
<td>Any Land-based Activities</td>
<td>92,407</td>
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<td>26,724</td>
<td>55.02</td>
<td>119,131</td>
<td>68.69</td>
</tr>
<tr>
<td>Only Water-based Activities</td>
<td>26,100</td>
<td>2.30</td>
<td>15,221</td>
<td>31.34</td>
<td>41,321</td>
<td>23.83</td>
</tr>
<tr>
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<td>0.50</td>
<td>2,033</td>
<td>4.19</td>
<td>7,676</td>
<td>4.43</td>
</tr>
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</table>

1. See Tables A.8 and A.31 for more detailed activities.
<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer Participation</th>
<th>Winter Participation</th>
<th>Annual Participation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>15,519</td>
<td>13.17</td>
<td>10,167</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>15,519</td>
<td>13.17</td>
<td>9,876</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>0</td>
<td>0.00</td>
<td>3,892</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>4,938</td>
<td>4.19</td>
<td>755</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>4,938</td>
<td>4.19</td>
<td>755</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>4,938</td>
<td>4.19</td>
<td>4,299</td>
</tr>
<tr>
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<td>0.00</td>
<td>3,079</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>4,938</td>
<td>4.19</td>
<td>988</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>465</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>15,519</td>
<td>13.17</td>
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</tr>
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<td>2,822</td>
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</tr>
<tr>
<td>All Fishing from a boat</td>
<td>2,822</td>
<td>2.40</td>
<td>174</td>
</tr>
<tr>
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<td>0.00</td>
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</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>2,822</td>
<td>2.40</td>
<td>116</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>45,145</td>
<td>38.32</td>
<td>16,209</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
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<td>5,229</td>
</tr>
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<td>All Nature Observation on water</td>
<td>11,992</td>
<td>10.18</td>
<td>9,179</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>33,154</td>
<td>28.14</td>
<td>9,179</td>
</tr>
<tr>
<td>All Boating</td>
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<td>13,304</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
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<td>8,947</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>7,759</td>
<td>6.59</td>
<td>988</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>11,286</td>
<td>9.58</td>
<td>5,519</td>
</tr>
<tr>
<td>All Beach use</td>
<td>87,469</td>
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<td>Any Land-based Activities</td>
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<td>Only Water-based Activities</td>
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<td>9.58</td>
<td>3,137</td>
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</table>

1. See Tables A.9 and A.32 for more detailed activities.
### Table A44. Region 3 SE Special Aggregate Activity Within Region Participation Rates by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Participation Rate (%)</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>4,938</td>
<td>8.05</td>
<td>1,220</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>4,938</td>
<td>8.05</td>
<td>1,220</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>0</td>
<td>0.00</td>
<td>1,220</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>0</td>
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</tr>
<tr>
<td>All Diving from a Rental boat</td>
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<td>0.00</td>
<td>174</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>4,938</td>
<td>8.05</td>
<td>58</td>
</tr>
<tr>
<td>All Fishing</td>
<td>0</td>
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<td>349</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>0</td>
<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
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</tr>
<tr>
<td>All Party Boat fishing</td>
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<td>0.00</td>
<td>58</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>7,759</td>
<td>12.64</td>
<td>5,984</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>0</td>
<td>0.00</td>
<td>1,220</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>0</td>
<td>0.00</td>
<td>2,556</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>7,759</td>
<td>12.64</td>
<td>3,660</td>
</tr>
<tr>
<td>All Boating</td>
<td>1,411</td>
<td>2.30</td>
<td>3,253</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>2,116</td>
<td>3.45</td>
<td>1,278</td>
</tr>
<tr>
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<td>0</td>
<td>0.00</td>
<td>174</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>0</td>
<td>0.00</td>
<td>1,220</td>
</tr>
<tr>
<td>All Beach use</td>
<td>33,154</td>
<td>54.02</td>
<td>15,918</td>
</tr>
<tr>
<td>Any Land-based Activities</td>
<td>30,332</td>
<td>49.43</td>
<td>11,677</td>
</tr>
<tr>
<td>Only Water-based Activities</td>
<td>13,402</td>
<td>21.84</td>
<td>10,457</td>
</tr>
<tr>
<td>Visiting Special Coral Reef Areas</td>
<td>4,232</td>
<td>6.90</td>
<td>58</td>
</tr>
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</table>

1. See Tables A.10 and A.33 for more detailed activities.
Table A45. Region 4 NE Special Aggregate Activity Within Region Participation Rates by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Participants</td>
<td>Rate (%)</td>
<td>Number of Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>198,216</td>
<td>27.47</td>
<td>52,228</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>194,689</td>
<td>26.98</td>
<td>51,008</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>105,809</td>
<td>14.66</td>
<td>26,259</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>7,759</td>
<td>1.08</td>
<td>4,299</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>7,759</td>
<td>1.08</td>
<td>3,137</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>109,336</td>
<td>15.15</td>
<td>27,421</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>99,461</td>
<td>13.78</td>
<td>21,844</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>8,465</td>
<td>1.17</td>
<td>4,996</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>4,232</td>
<td>0.59</td>
<td>2,498</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>100,871</td>
<td>13.98</td>
<td>29,803</td>
</tr>
<tr>
<td>All Fishing</td>
<td>7,054</td>
<td>0.98</td>
<td>2,556</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>7,054</td>
<td>0.98</td>
<td>2,150</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>7,759</td>
<td>1.08</td>
<td>3,021</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>2,822</td>
<td>0.39</td>
<td>581</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>356,224</td>
<td>49.36</td>
<td>104,746</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>38,091</td>
<td>5.28</td>
<td>10,690</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>119,917</td>
<td>16.62</td>
<td>34,393</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>297,676</td>
<td>41.25</td>
<td>87,782</td>
</tr>
<tr>
<td>All Boating</td>
<td>196,099</td>
<td>27.17</td>
<td>55,191</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>124,149</td>
<td>17.20</td>
<td>30,500</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>8,465</td>
<td>1.17</td>
<td>5,054</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>45,145</td>
<td>6.26</td>
<td>13,652</td>
</tr>
<tr>
<td>All Beach use</td>
<td>655,311</td>
<td>90.81</td>
<td>230,581</td>
</tr>
<tr>
<td>Any Land-based Activities</td>
<td>636,971</td>
<td>88.27</td>
<td>190,553</td>
</tr>
<tr>
<td>Only Water-based Activities</td>
<td>62,780</td>
<td>8.70</td>
<td>60,536</td>
</tr>
<tr>
<td>Visiting Special Coral Reef Areas</td>
<td>53,610</td>
<td>7.43</td>
<td>9,237</td>
</tr>
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1. See Tables A.11 and A.34 for more detailed activities.
Table A46. Region 5 Culebra & Vieques Special Aggregate Activity Within Region Participation Rates by Season

<table>
<thead>
<tr>
<th>Reef Activity</th>
<th>Summer</th>
<th>Winter</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of</td>
<td>Participation</td>
<td>Number of</td>
</tr>
<tr>
<td></td>
<td>Participants</td>
<td>Rate (%)</td>
<td>Participants</td>
</tr>
<tr>
<td>All Diving</td>
<td>57,137</td>
<td>50.94</td>
<td>28,583</td>
</tr>
<tr>
<td>All Snorkeling</td>
<td>56,432</td>
<td>50.31</td>
<td>28,409</td>
</tr>
<tr>
<td>All Snorkeling from a boat</td>
<td>14,813</td>
<td>13.21</td>
<td>12,839</td>
</tr>
<tr>
<td>All SCUBA Diving</td>
<td>2,116</td>
<td>1.89</td>
<td>1,046</td>
</tr>
<tr>
<td>All SCUBA Diving from a boat</td>
<td>2,116</td>
<td>1.89</td>
<td>988</td>
</tr>
<tr>
<td>All Diving from a boat</td>
<td>15,519</td>
<td>13.84</td>
<td>13,711</td>
</tr>
<tr>
<td>All Diving from a Charter boat</td>
<td>12,697</td>
<td>11.32</td>
<td>8,656</td>
</tr>
<tr>
<td>All Diving from a Rental boat</td>
<td>2,822</td>
<td>2.52</td>
<td>2,556</td>
</tr>
<tr>
<td>All Diving from a Private boat</td>
<td>0</td>
<td>0.00</td>
<td>3,021</td>
</tr>
<tr>
<td>All Diving from shore</td>
<td>43,029</td>
<td>38.36</td>
<td>19,520</td>
</tr>
<tr>
<td>All Fishing</td>
<td>0</td>
<td>0.00</td>
<td>813</td>
</tr>
<tr>
<td>All Fishing from a boat</td>
<td>0</td>
<td>0.00</td>
<td>116</td>
</tr>
<tr>
<td>All Charter Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>697</td>
</tr>
<tr>
<td>All Party Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>All Private Boat fishing</td>
<td>0</td>
<td>0.00</td>
<td>232</td>
</tr>
<tr>
<td>All Nature &amp; Wildlife Observation</td>
<td>64,896</td>
<td>57.86</td>
<td>29,396</td>
</tr>
<tr>
<td>All Nature Observation from a boat</td>
<td>7,054</td>
<td>6.29</td>
<td>9,470</td>
</tr>
<tr>
<td>All Nature Observation on water</td>
<td>35,975</td>
<td>32.08</td>
<td>18,765</td>
</tr>
<tr>
<td>All Nature Observation on land</td>
<td>44,440</td>
<td>39.62</td>
<td>17,312</td>
</tr>
<tr>
<td>All Boating</td>
<td>32,448</td>
<td>28.93</td>
<td>20,333</td>
</tr>
<tr>
<td>All Charter Boat Use</td>
<td>19,751</td>
<td>17.61</td>
<td>14,872</td>
</tr>
<tr>
<td>All Rental Boat use</td>
<td>2,822</td>
<td>2.52</td>
<td>2,614</td>
</tr>
<tr>
<td>All Private Boat use</td>
<td>7,054</td>
<td>6.29</td>
<td>10,109</td>
</tr>
<tr>
<td>All Beach use</td>
<td>108,631</td>
<td>96.86</td>
<td>48,452</td>
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<td>Any Land-based Activities</td>
<td>73,361</td>
<td>65.41</td>
<td>31,139</td>
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<tr>
<td>Only Water-based Activities</td>
<td>37,386</td>
<td>33.33</td>
<td>18,532</td>
</tr>
<tr>
<td>Visiting Special Coral Reef Areas</td>
<td>20,456</td>
<td>18.24</td>
<td>6,274</td>
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</table>

1. See Tables A.12 and A.35 for more detailed activities.
### Table A47. Countries of Primary Residence of Reef Using Visitors by Season

<table>
<thead>
<tr>
<th>Country</th>
<th>Summer % of All</th>
<th>Summer % of Foreign</th>
<th>Winter % of All</th>
<th>Winter % of Foreign</th>
<th>Weighted Annual Average % of All</th>
<th>Weighted Annual Average % of Foreign</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argentina</td>
<td>0.00</td>
<td>0.00</td>
<td>0.12</td>
<td>1.64</td>
<td>0.03</td>
<td>0.93</td>
</tr>
<tr>
<td>Australia</td>
<td>0.27</td>
<td>12.50</td>
<td>0.06</td>
<td>0.82</td>
<td>0.21</td>
<td>5.90</td>
</tr>
<tr>
<td>Austria</td>
<td>0.00</td>
<td>0.00</td>
<td>0.12</td>
<td>1.64</td>
<td>0.03</td>
<td>0.93</td>
</tr>
<tr>
<td>Brazil</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Canada</td>
<td>0.27</td>
<td>12.50</td>
<td>1.81</td>
<td>24.39</td>
<td>0.70</td>
<td>19.33</td>
</tr>
<tr>
<td>Chile</td>
<td>0.00</td>
<td>0.00</td>
<td>0.18</td>
<td>2.46</td>
<td>0.05</td>
<td>1.39</td>
</tr>
<tr>
<td>China</td>
<td>0.00</td>
<td>0.00</td>
<td>0.30</td>
<td>4.10</td>
<td>0.08</td>
<td>2.32</td>
</tr>
<tr>
<td>Columbia</td>
<td>0.00</td>
<td>0.00</td>
<td>0.24</td>
<td>3.28</td>
<td>0.07</td>
<td>1.85</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Dominican Republic</td>
<td>0.27</td>
<td>12.50</td>
<td>0.36</td>
<td>4.92</td>
<td>0.30</td>
<td>8.21</td>
</tr>
<tr>
<td>Ecuador</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>England</td>
<td>0.27</td>
<td>12.50</td>
<td>0.54</td>
<td>7.38</td>
<td>0.35</td>
<td>9.60</td>
</tr>
<tr>
<td>Finland</td>
<td>0.00</td>
<td>0.00</td>
<td>0.24</td>
<td>3.28</td>
<td>0.07</td>
<td>1.85</td>
</tr>
<tr>
<td>France</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Germany</td>
<td>0.00</td>
<td>0.00</td>
<td>0.60</td>
<td>8.20</td>
<td>0.17</td>
<td>4.63</td>
</tr>
<tr>
<td>Guatemala</td>
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<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Ireland</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Italy</td>
<td>0.00</td>
<td>0.00</td>
<td>0.30</td>
<td>4.10</td>
<td>0.08</td>
<td>2.32</td>
</tr>
<tr>
<td>Mexico</td>
<td>0.55</td>
<td>25.00</td>
<td>0.36</td>
<td>4.92</td>
<td>0.50</td>
<td>13.65</td>
</tr>
<tr>
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<td>0.00</td>
<td>0.12</td>
<td>1.64</td>
<td>0.03</td>
<td>0.93</td>
</tr>
<tr>
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<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
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<td>0.00</td>
<td>0.30</td>
<td>4.10</td>
<td>0.08</td>
<td>2.32</td>
</tr>
<tr>
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<td>0.00</td>
<td>0.00</td>
<td>0.12</td>
<td>1.64</td>
<td>0.03</td>
<td>0.93</td>
</tr>
<tr>
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<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Russia</td>
<td>0.00</td>
<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
<td>Scotland</td>
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<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
<tr>
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<td>0.55</td>
<td>25.00</td>
<td>0.24</td>
<td>3.28</td>
<td>0.46</td>
<td>12.72</td>
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<td>0.00</td>
<td>0.30</td>
<td>4.10</td>
<td>0.08</td>
<td>2.32</td>
</tr>
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<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
</tr>
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<td>96.36</td>
<td>N/A</td>
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<td>0.00</td>
<td>0.06</td>
<td>0.82</td>
<td>0.02</td>
<td>0.46</td>
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<td>0.02</td>
<td>0.46</td>
</tr>
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<td>0.00</td>
<td>0.24</td>
<td>3.28</td>
<td>0.07</td>
<td>1.85</td>
</tr>
</tbody>
</table>

1. Percent of all reef using visitors, including U.S. reef using visitors.
2. Percent of all foreign reef using visitors, excluding U.S. reef using visitors.
Table A48. Census Regions and Divisions of Primary Residence of Reef Using Visitors by Season

<table>
<thead>
<tr>
<th>Census Regions/Divisions</th>
<th>Summer</th>
<th>Winter</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>% of Reef</td>
<td>% of Domestic</td>
<td>% of Reef</td>
</tr>
<tr>
<td>East</td>
<td>22.53</td>
<td>23.03</td>
<td>31.28</td>
</tr>
<tr>
<td>New England</td>
<td>6.59</td>
<td>6.74</td>
<td>11.03</td>
</tr>
<tr>
<td>Middle Atlantic</td>
<td>15.93</td>
<td>16.29</td>
<td>20.25</td>
</tr>
<tr>
<td>Midwest</td>
<td>10.44</td>
<td>10.67</td>
<td>13.50</td>
</tr>
<tr>
<td>East North Central</td>
<td>7.69</td>
<td>7.87</td>
<td>9.52</td>
</tr>
<tr>
<td>West North Central</td>
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<td>2.81</td>
<td>3.98</td>
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<tr>
<td>South</td>
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<tr>
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<td>11.54</td>
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<tr>
<td>West</td>
<td>9.34</td>
<td>9.55</td>
<td>9.34</td>
</tr>
<tr>
<td>Pacific</td>
<td>4.95</td>
<td>5.06</td>
<td>6.09</td>
</tr>
<tr>
<td>Mountain</td>
<td>4.40</td>
<td>4.49</td>
<td>3.25</td>
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<tr>
<td>U.S. Territories</td>
<td>0.55</td>
<td>0.56</td>
<td>0.60</td>
</tr>
</tbody>
</table>

1. Percent of all reef using visitors.
2. Percent of all domestic (U.S.) reef using visitors, excluding foreign visitors.
Table A49. States and Territories of Primary Residence of Reef Using Visitors by Season

<table>
<thead>
<tr>
<th>State/Territories</th>
<th>Summer</th>
<th>Winter</th>
<th>Weighted Annual Average</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>% of Reef</td>
<td>% of Domestic</td>
<td>% of Reef</td>
</tr>
<tr>
<td>American Samoa</td>
<td>0.00</td>
<td>0.00</td>
<td>0.12</td>
</tr>
<tr>
<td>Alaska</td>
<td>0.27</td>
<td>0.28</td>
<td>0.06</td>
</tr>
<tr>
<td>Alabama</td>
<td>0.55</td>
<td>0.56</td>
<td>0.54</td>
</tr>
<tr>
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1. Percent of all reef using visitors, including foreign visitors.
2. Percent of all domestic (U.S.) reef using visitors, excluding foreign visitors.
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2. Percent of all domestic (U.S.) reef using visitors, excluding foreign visitors.