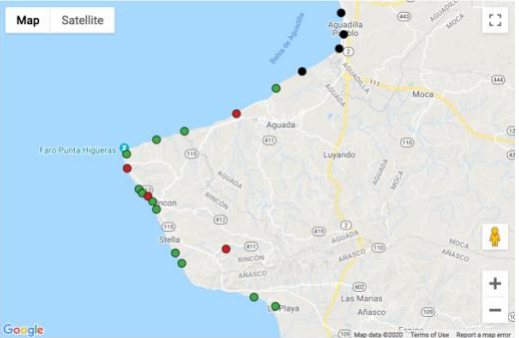



Background	Recommendations
<ul style="list-style-type: none"><li>• Checking the water quality of local beaches is an often-overlooked aspect of going to the beach.</li><li>• In order to do so you would have to pay attention to local news, listen to the radio, or more realistically look up websites which would contain water quality reports.</li><li>• Obtaining a trustworthy and reliable water quality report is cumbersome and not straightforward. Providing a reliable water quality report through a mobile device Application would help beachgoers prevent getting sick from harmful bacteria found in contaminated beaches.</li></ul>	<ul style="list-style-type: none"><li>• Develop an application that provides users with a quick and easy to read water report quality of the beach or beaches of their choice.</li><li>• Application must be very straightforward so that users may quickly check their favorite beaches on the go. Furthermore, the application must be attractive so that users feel more comfortable engaging with it.</li></ul>
Current State	Implementation Plan
<ul style="list-style-type: none"><li>• The Department of Natural Resources provide beach monitoring reports through their website. These are posted almost weekly, but they are sometimes spotty with their consistency. Because they post a weekly report, when searching for the current water quality conditions you will likely find an old report and not the most recent report. See attached screenshot (left) for the most recent report.</li><li>• Another option is to look up Surfrider’s Blue Water Task Force’s data on their website, which put out crowd-sourced reports almost weekly but have a more visually pleasing layout of their data. See attached screenshot (right) for the most recent report.</li></ul> <div></div>	<ul style="list-style-type: none"><li>•</li></ul>
Goals	Follow Up
<ul style="list-style-type: none"><li>• Provide users with a clean and straightforward report of the water quality of beaches close to them by creating an application.</li><li>• Simplify the presentation of the water quality data so that users can quickly verify if it is safe to take a dip in the beach or beaches of their choice.</li><li>• Promote the importance of water quality testing and how this can directly impact beachgoers, stimulate the use of more convenient and attractive tools such as this application.</li></ul>	<ul style="list-style-type: none"><li>• N/A</li></ul>
5 Whys Analysis	Results
<ul style="list-style-type: none"><li>• Beachgoers will often go the beach without checking the water quality beforehand, thus putting their health at risk.</li><li>• Beachgoers are focused on enjoying their day and overlook checking the water quality of the beach they are headed to.</li><li>• Checking the water quality of local beaches is not actively encouraged and requires navigating through different websites to obtain a result.</li><li>• The water quality data is obtained and published by the Department of Natural Resources and the Blue Water Task Force; their main focus is not the presentation of their data.</li><li>• The Department of Natural Resources and the Blue Water Task Force focus on collecting water samples and testing them, after collecting various samples they publish reports almost weekly.</li></ul>	<ul style="list-style-type: none"><li>• N/A</li></ul>