

The Otter Project

MPA Watch Survey Data

July 2011 - September 2011

Quarter 3

Total surveys to date: 580

Total surveys for this year: 580

Total surveys for this quarter: 397

Contributing volunteers this quarter: 28

MPA Watch is a citizen science initiative to monitor human use of coastal natural resources by training and supporting volunteers in the collection of relevant, scientifically rigorous, and broadly accessible data. Data is meant to inform the management, enforcement, and research of California's marine protected areas (MPAs) and allow us to see how human uses are changing as a result of MPA implementation.

Volunteers record consumptive activities such as commercial fishing, shore fishing, and clamming, and non-consumptive activities such as swimming, SCUBA diving, and tide pooling. Potential users of MPA Watch data span academia, natural resource management agencies, and local communities. Data collection and this report will support MPA assessments and adaptive management; inform enforcement, compliance, education efforts; and build social capital.

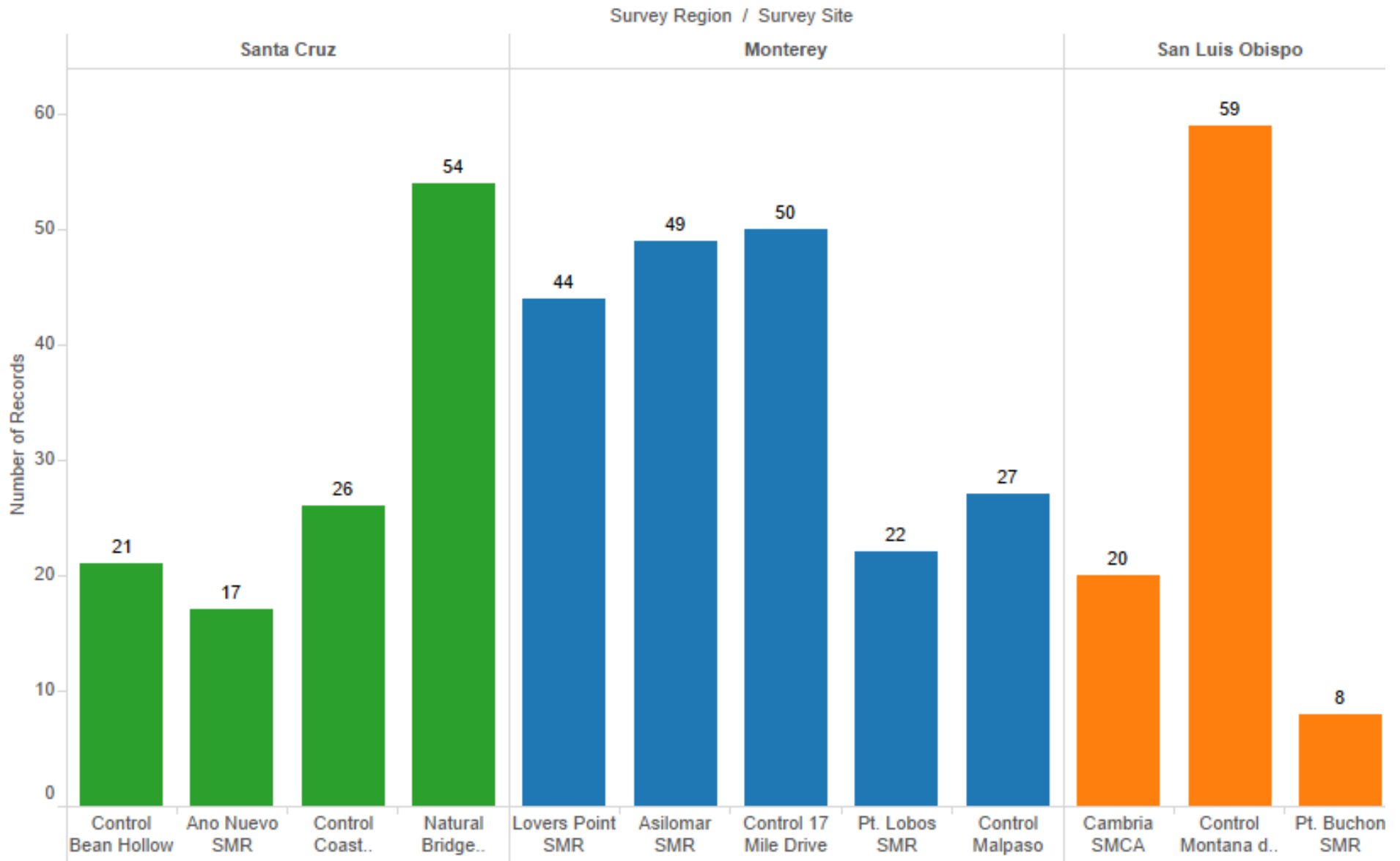
Some points to keep in mind while reading this report include:

- The first year of collection, 2011, was a partial year with surveys beginning in April.
- Non-Biological collection has been included in the Non-Consumptive count.
- All measurements are calculated as the average number of activities per mile per survey.
- This report does not attempt any statistical analysis. The intent is to report our results and offer anecdotal observations.

<p>Santa Cruz cumulative total: 183 Santa Cruz total this year: 183</p> <p><u>Total Per Site Quarter 3:</u> Bean Hollow: 21 Ano Nuevo: 17 Coastal Bluffs: 26 Natural Bridges: 54</p>	<p>Monterey cumulative total: 277 Monterey total this year: 277</p> <p><u>Total Per Site Quarter 3:</u> Lover's Point: 44 Asilomar: 49 17 Mile Drive: 50 Pt. Lobos: 22 Malpaso: 27</p>	<p>San Luis Obispo cumulative total: 120 San Luis Obispo total this year: 120</p> <p><u>Total Per Site Quarter 3:</u> Cambria: 20 Montana de Oro: 59 Pt. Buchon: 8</p>
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MPA Watch Survey Data
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All Survey Sites, Number of Records

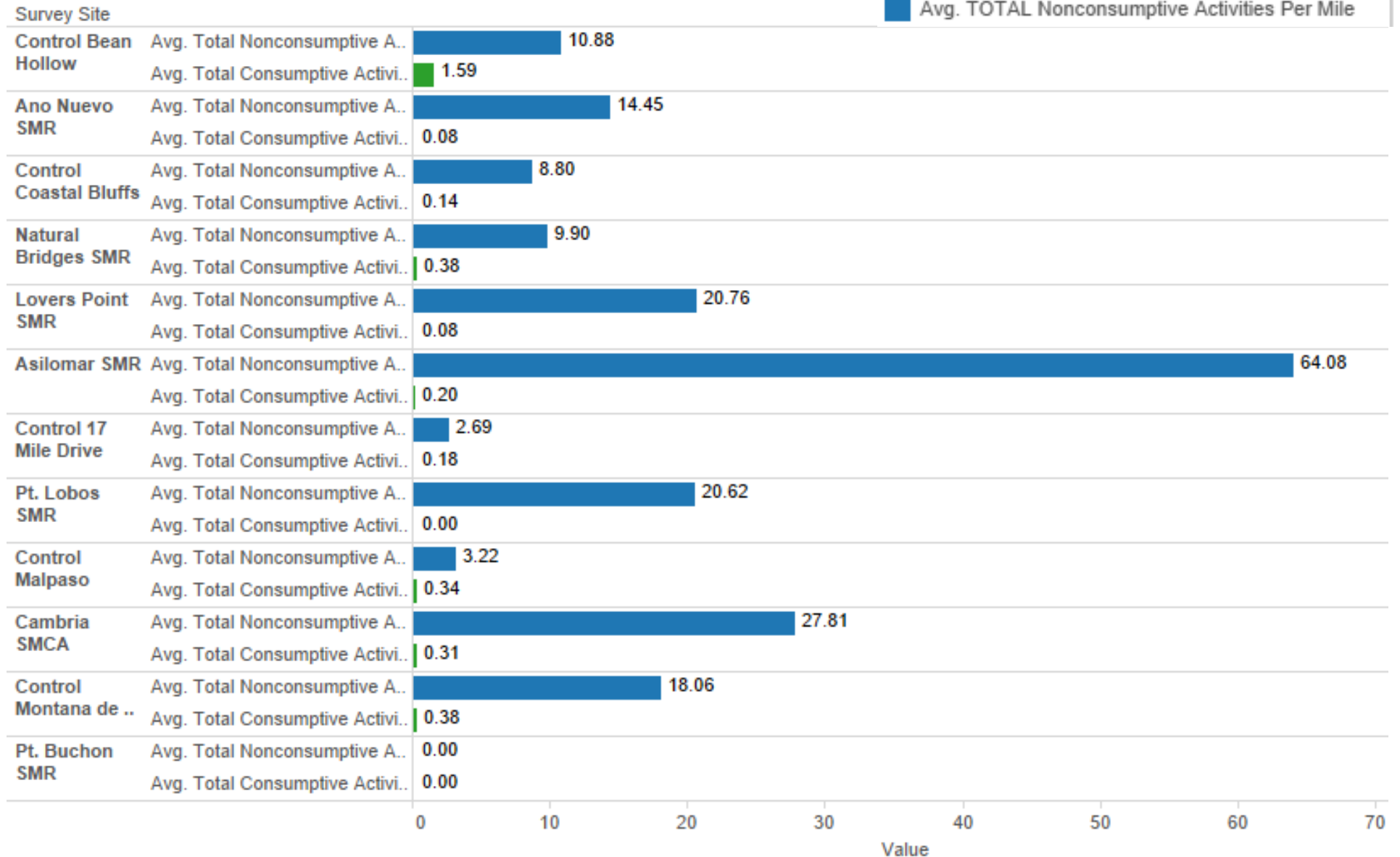


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July 2011 - September 2011

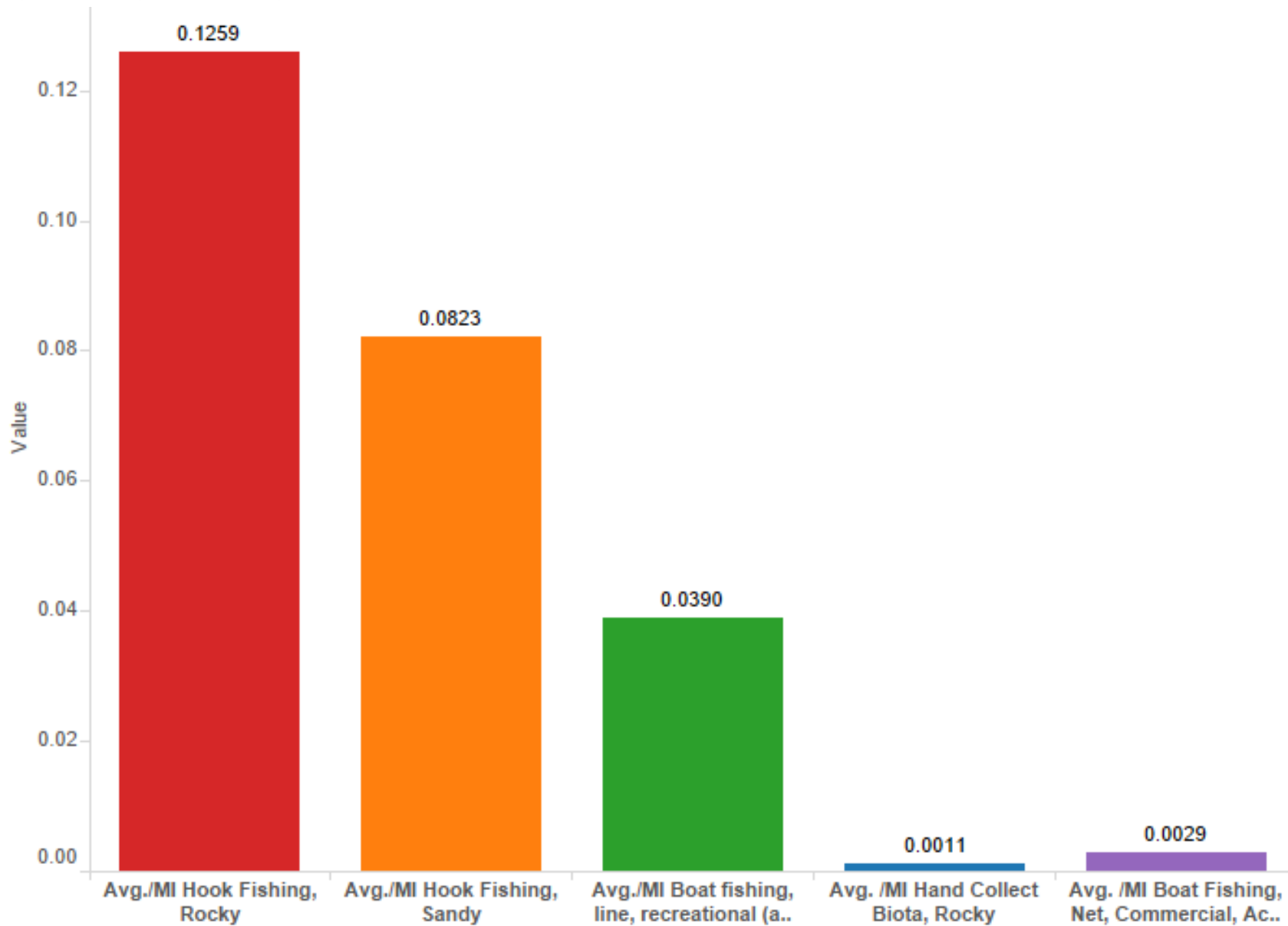
Quarter 3

All Survey Sites, Non-consumptive vs. Consumptive



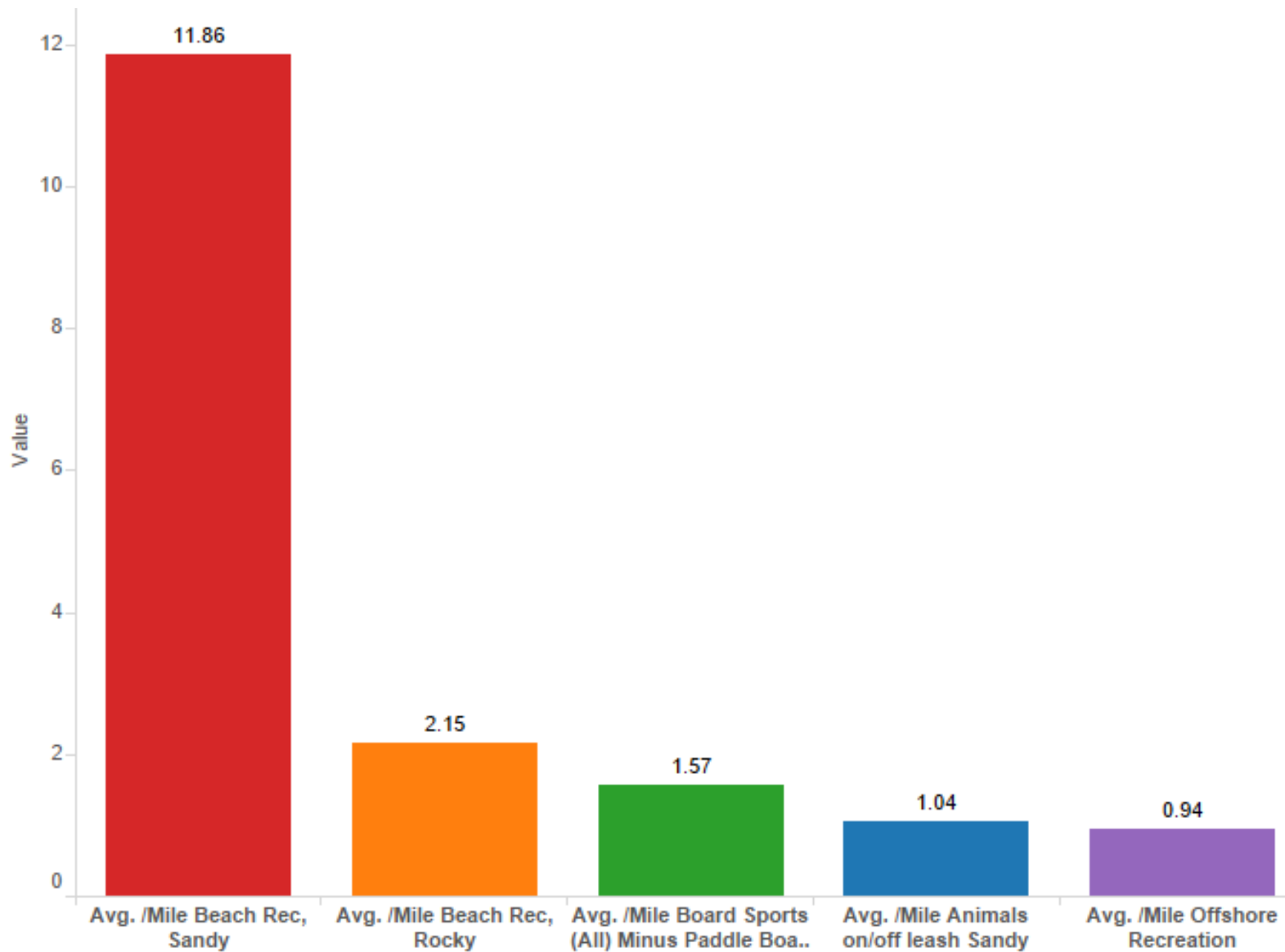
MPA Watch Survey Data
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Quarter 3

All Survey Sites, Top 5 Consumptive Activities



MPA Watch Survey Data
July 2011 - September 2011
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All Survey Sites, Top 5 Non-Consumptive Activities



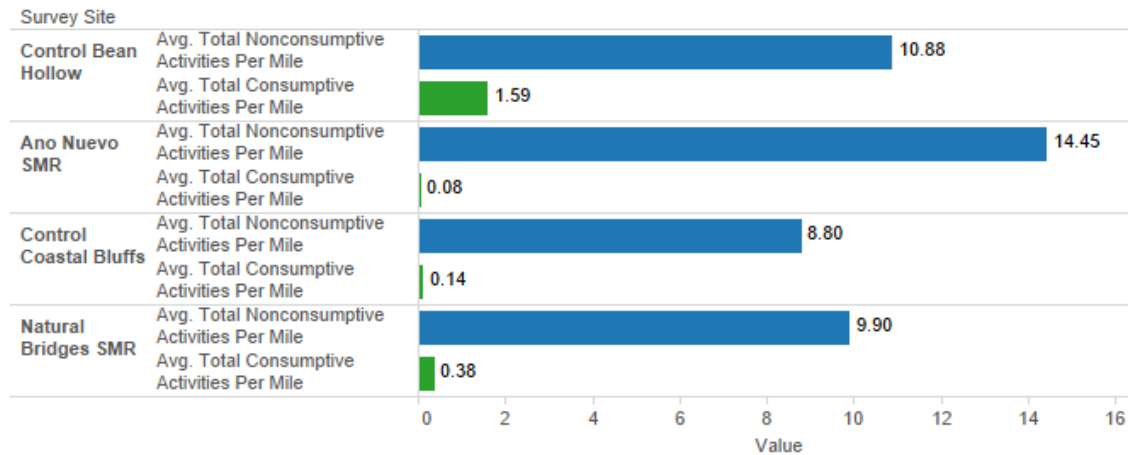
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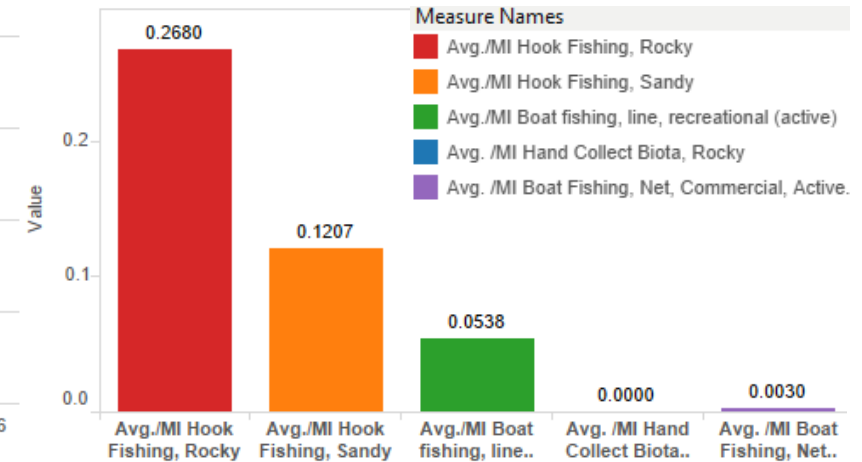
Quarter 3

All Santa Cruz Sites

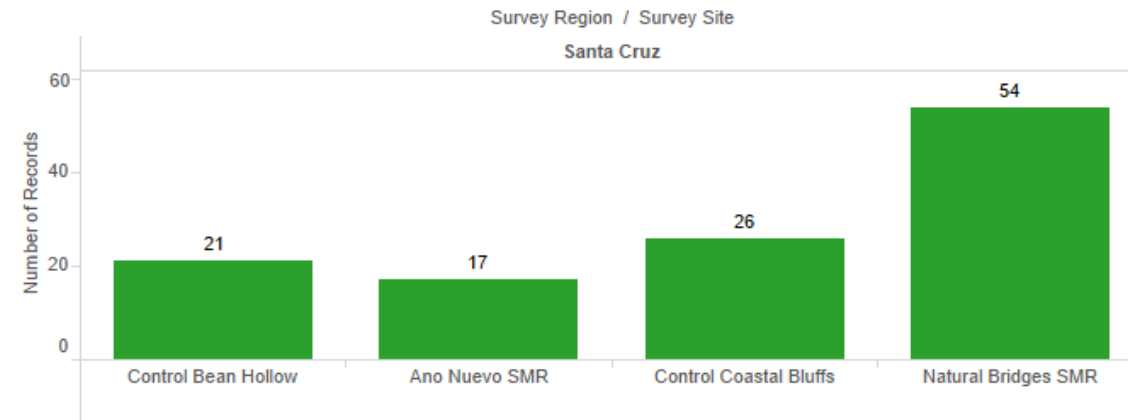
Con vs. Non-Con



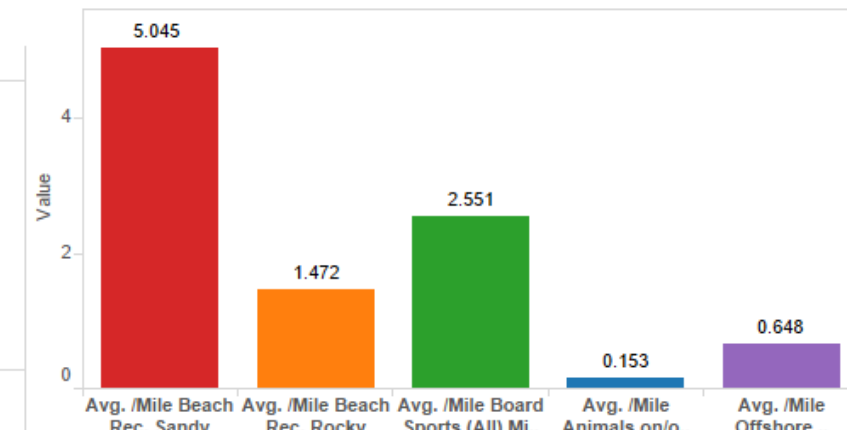
Top 5 Consumptive Activities



Surveys by Site



Top 5 Non-Consumptive Activities



Measure Names

- Avg. /Mile Beach Rec, Sandy
- Avg. /Mile Beach Rec, Rocky
- Avg. /Mile Board Sports (All) Minus Paddle Board
- Avg. /Mile Animals on/off leash Sandy
- Avg. /Mile Offshore Recreation

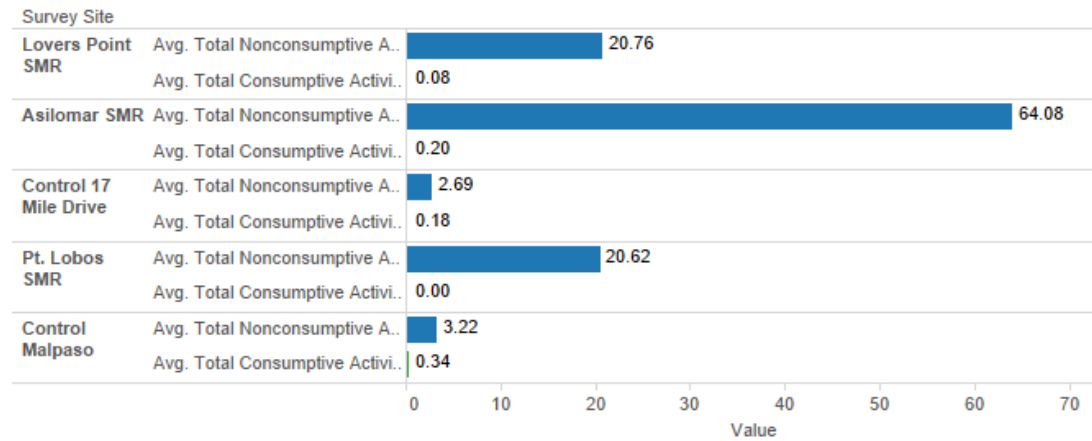
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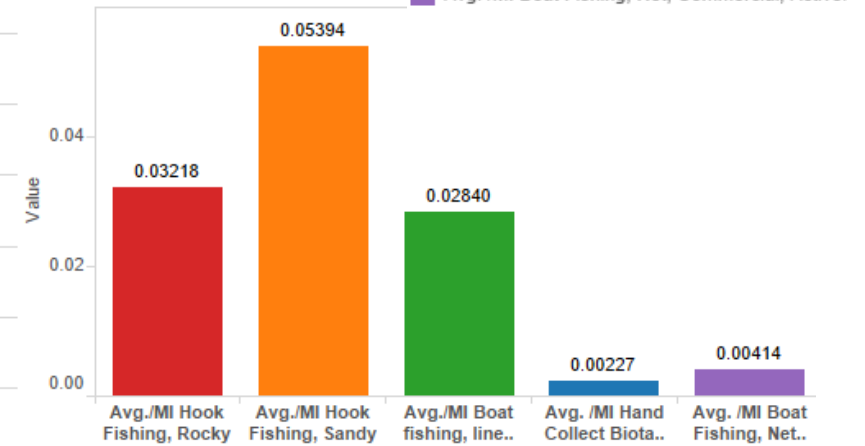
Quarter 3

All Monterey Sites

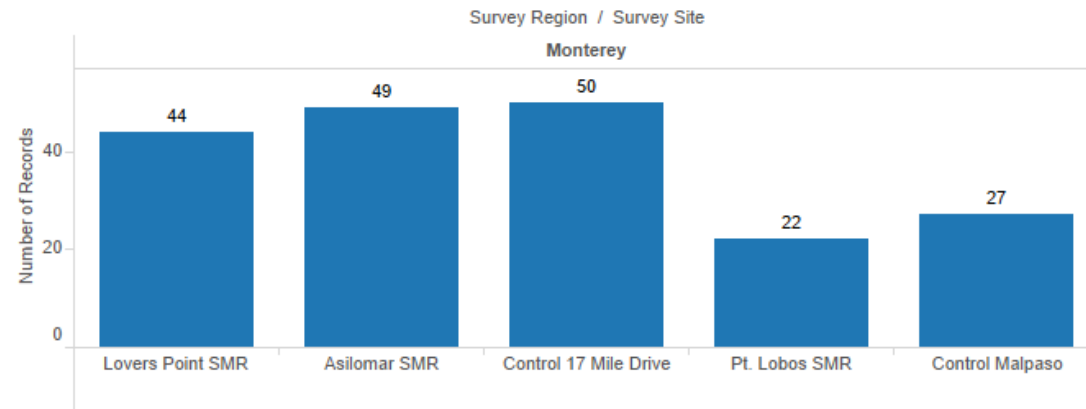
Con vs. Non-Con



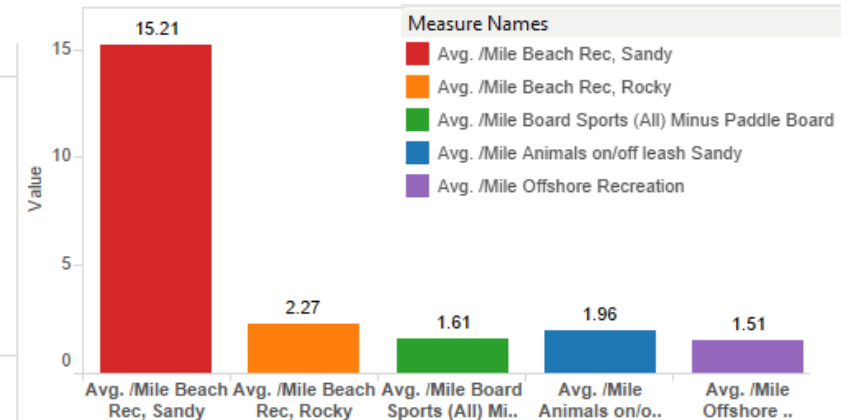
Top 5 Consumptive Activities



Surveys by Site



Top 5 Non-Consumptive Activities



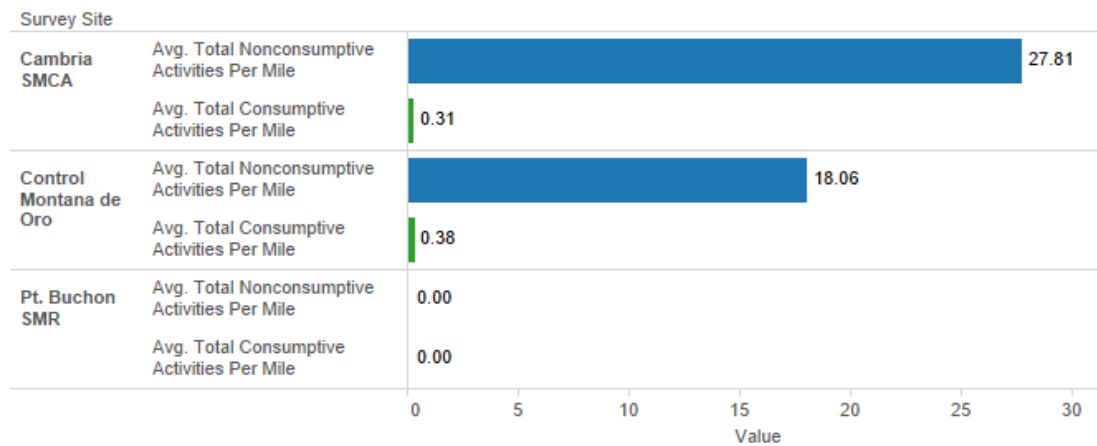
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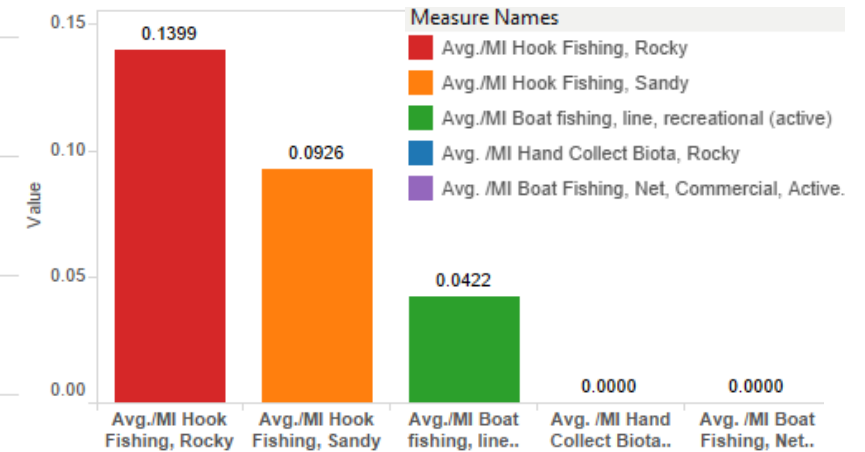
Quarter 3

All San Luis Obispo Sites

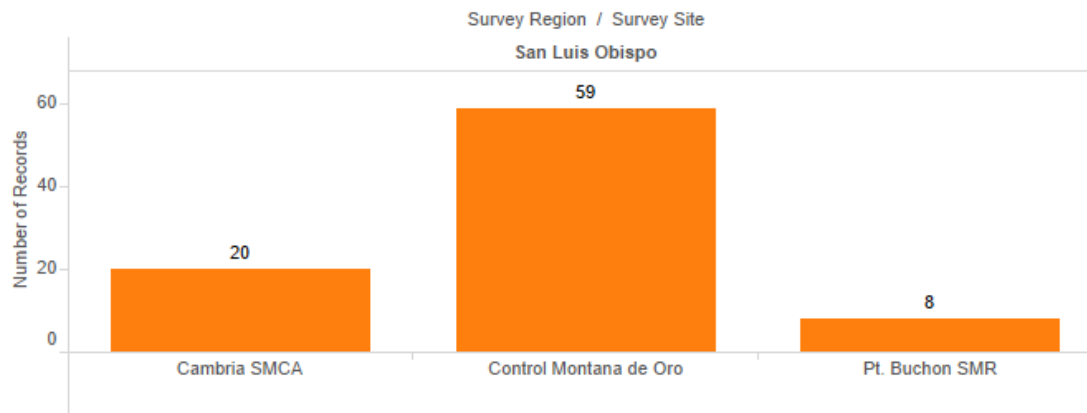
Con vs. Non-Con



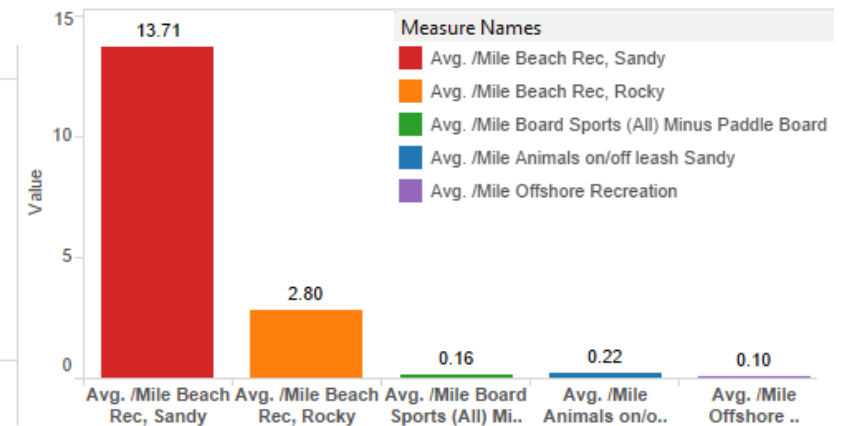
Top 5 Consumptive Activities



Surveys by Site

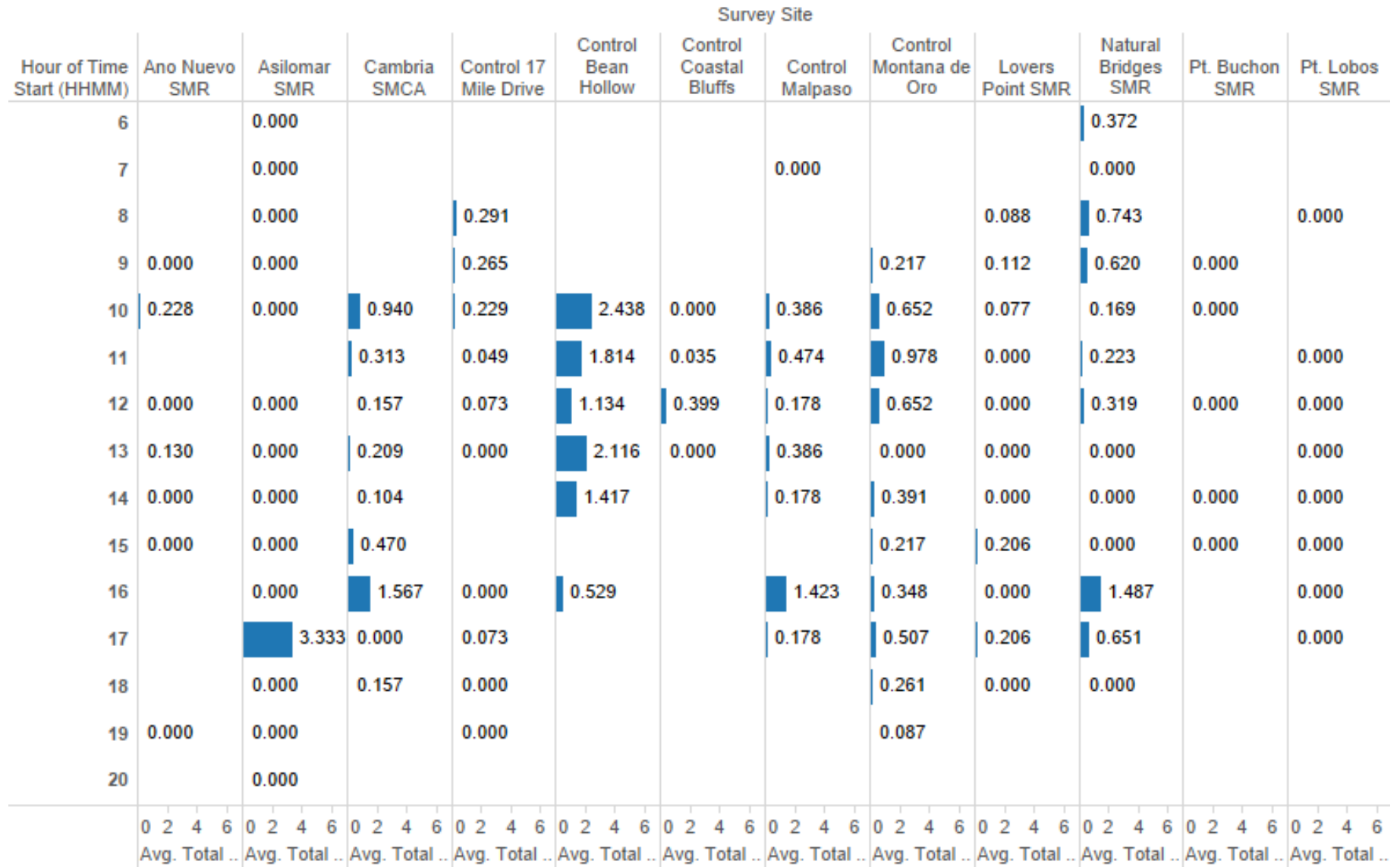


Top 5 Non-Consumptive Activities



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Consumptive Trends in MPAs: Time of Day



Average Consumptive Activity Per Mile