

The Otter Project

MPA Watch Survey Data

January 2016 - March 2016

Quarter 1

Total surveys to date: 7,413

Total surveys for this year: 339

Contributing volunteers this quarter: 58

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.

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.

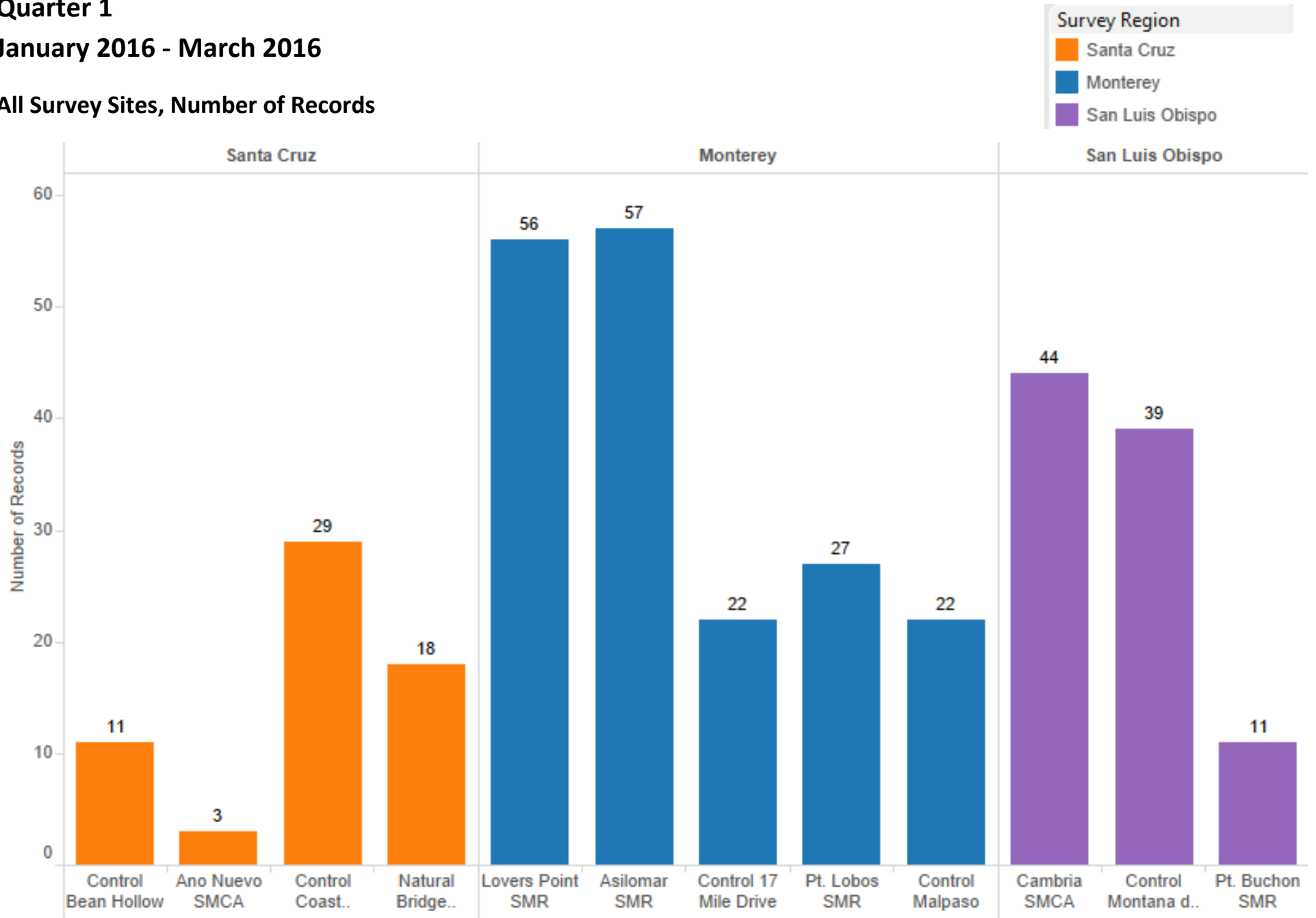
<p>Santa Cruz cumulative total: 1,270 Santa Cruz total this year: 61 Santa Cruz total this quarter: 61</p>	<p>Monterey cumulative total: 4,068 Monterey total this year: 184 Monterey total this quarter: 184</p>	<p>San Luis Obispo cumulative total: 2,075 San Luis Obispo total this year: 94 San Luis Obispo total this quarter: 94</p>
<p><u>Total Per Site Quarter 1:</u> Bean Hollow: 11 Ano Nuevo: 3 Coastal Bluffs: 29 Natural Bridges: 18</p>	<p><u>Total Per Site Quarter 1:</u> Lover's Point: 56 Asilomar: 57 17 Mile Drive: 22 Pt. Lobos: 27 Malpaso: 22</p>	<p><u>Total Per Site Quarter 1:</u> Cambria: 44 Montana de Oro: 39 Pt. Buchon: 11</p>

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All Survey Sites, Number of Records

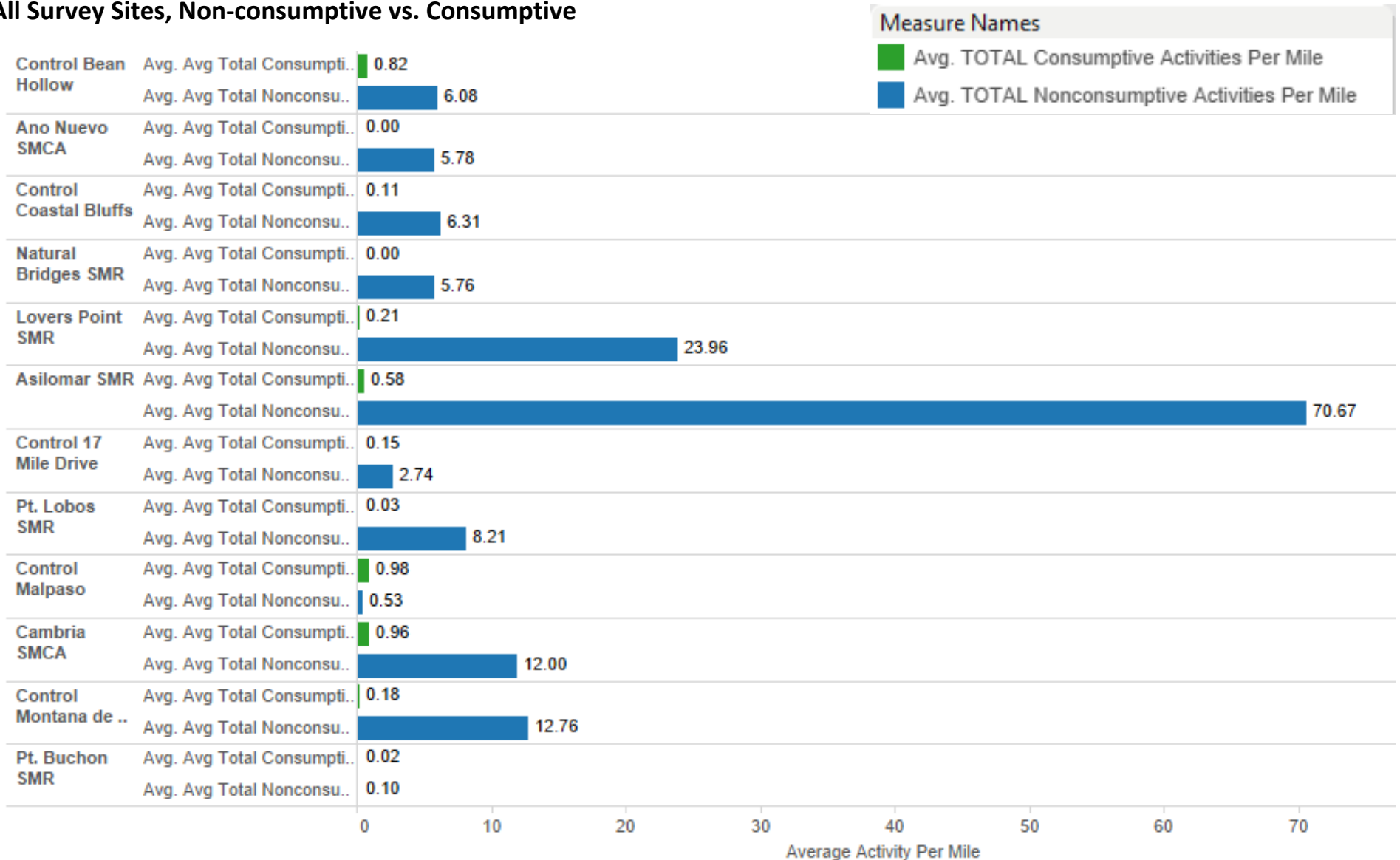


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All Survey Sites, Non-consumptive vs. Consumptive

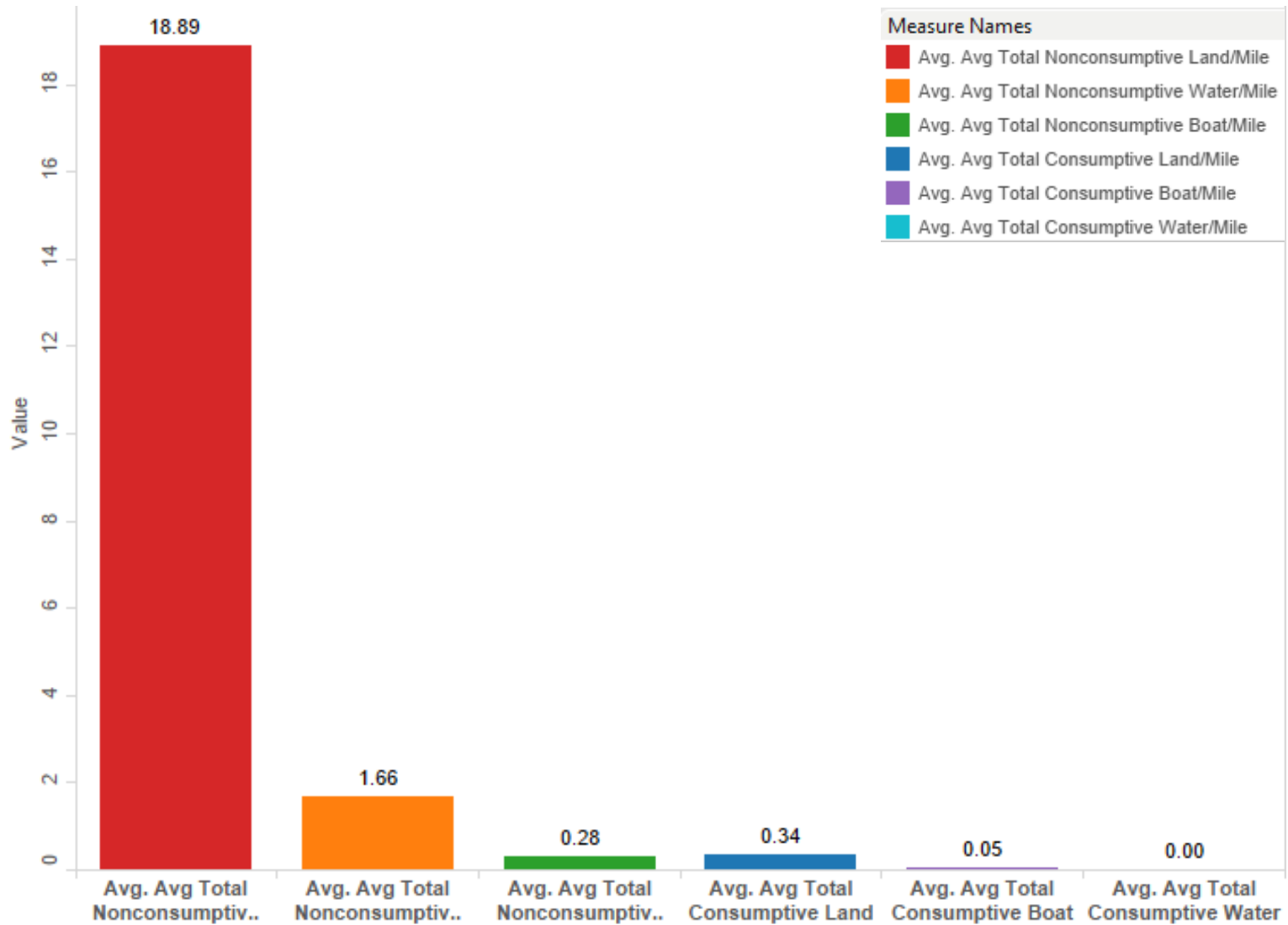


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Cumulative Activity Overview



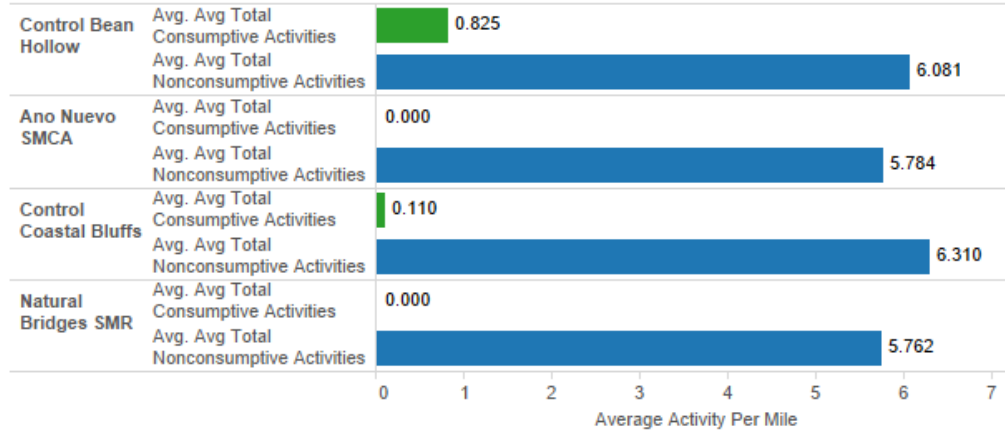
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All Santa Cruz Sites

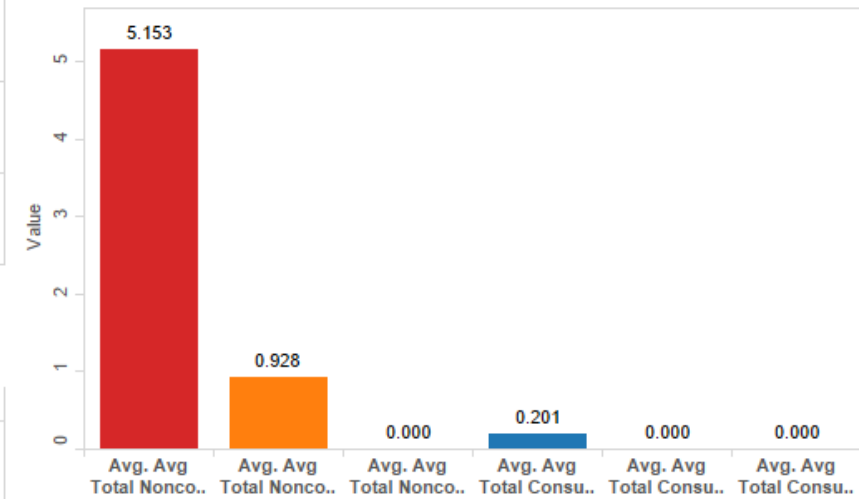
CON vs. NON-CON



Measure Names

- Avg. Avg Total Consumptive Activities
- Avg. Avg Total Nonconsumptive Activities

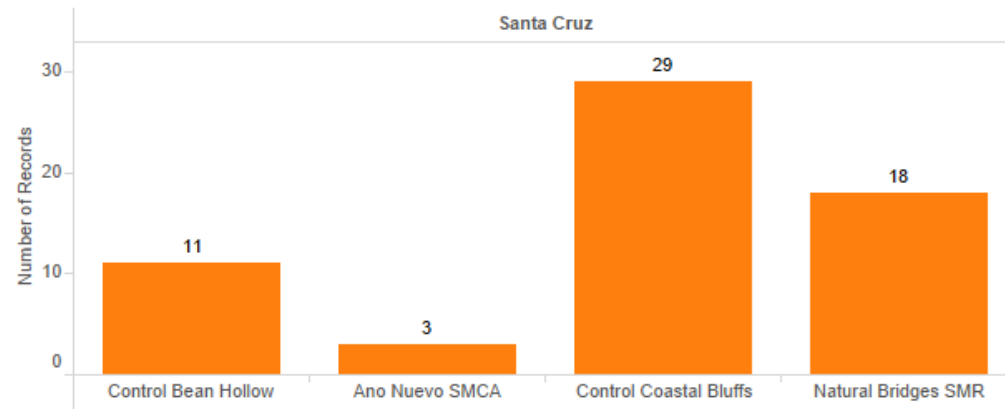
Activity Overview



Measure Names

- Avg. Avg Total Nonconsumptive Land/Mile
- Avg. Avg Total Nonconsumptive Water/Mile
- Avg. Avg Total Nonconsumptive Boat/Mile
- Avg. Avg Total Consumptive Land/Mile
- Avg. Avg Total Consumptive Boat/Mile
- Avg. Avg Total Consumptive Water/Mile

Surveys by Site



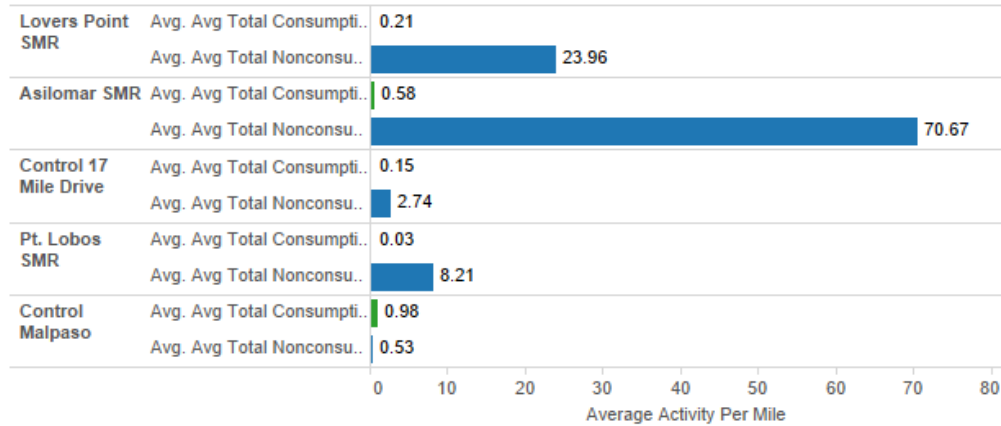
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All Monterey Sites

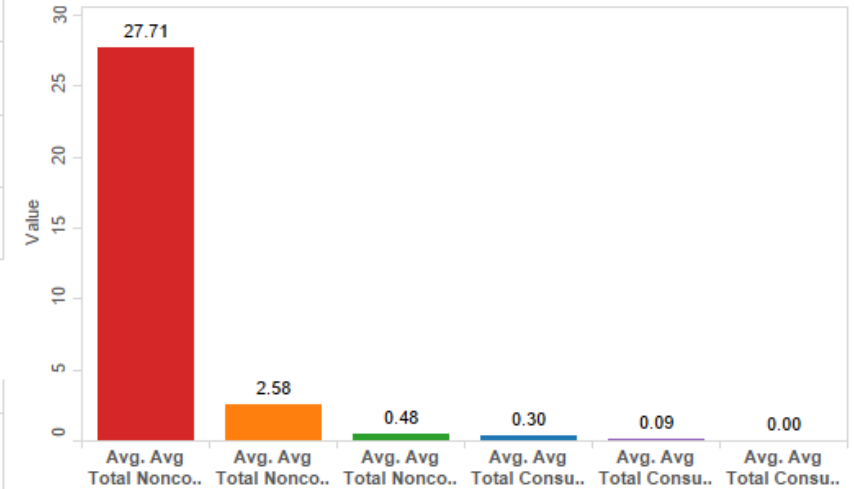
CON vs. NON-CON



Measure Names

- Avg. Avg Total Consumptive Activities
- Avg. Avg Total Nonconsumptive Activities

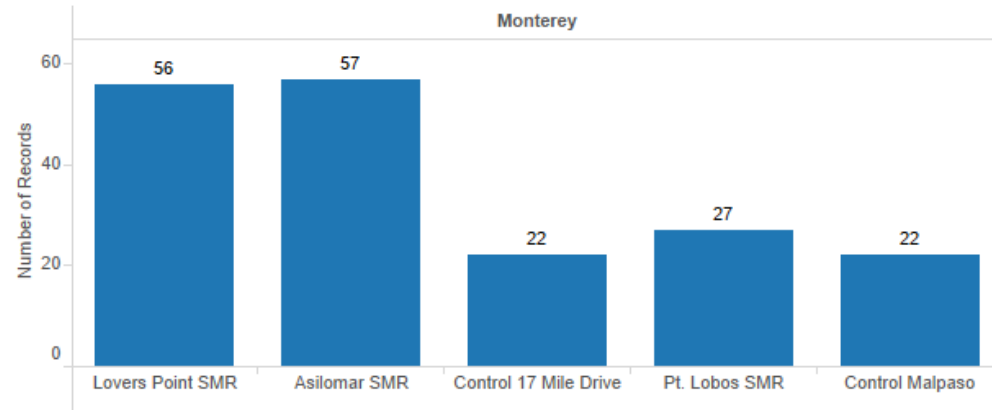
Activity Overview



Measure Names

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- Avg. Avg Total Consumptive Land/Mile
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Surveys by Site



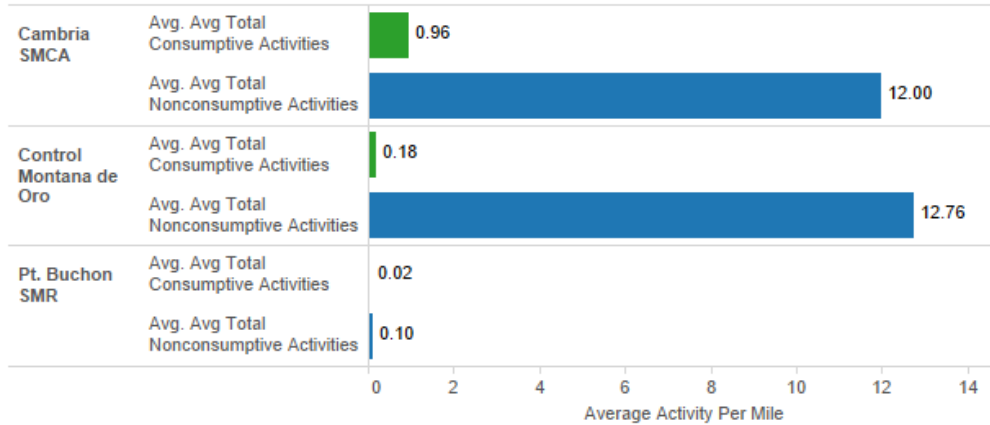
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All San Luis Obispo Sites

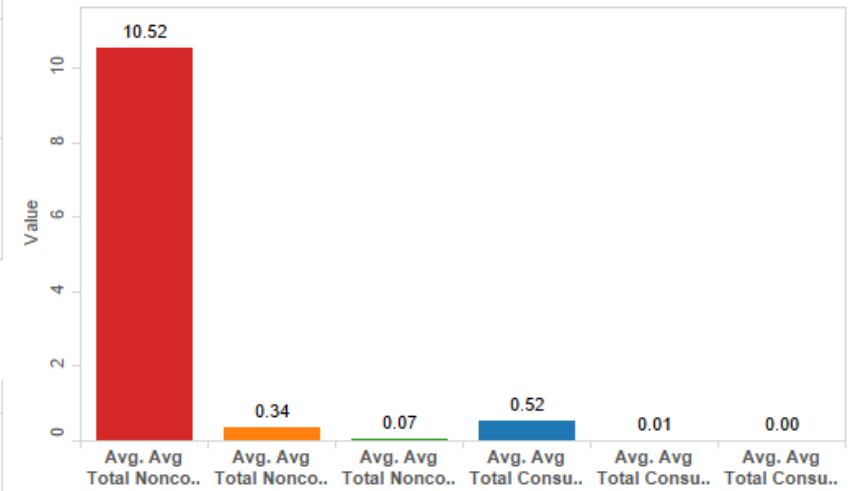
CON vs. NON-CON



Measure Names

- Avg. Avg Total Consumptive Activities
- Avg. Avg Total Nonconsumptive Activities

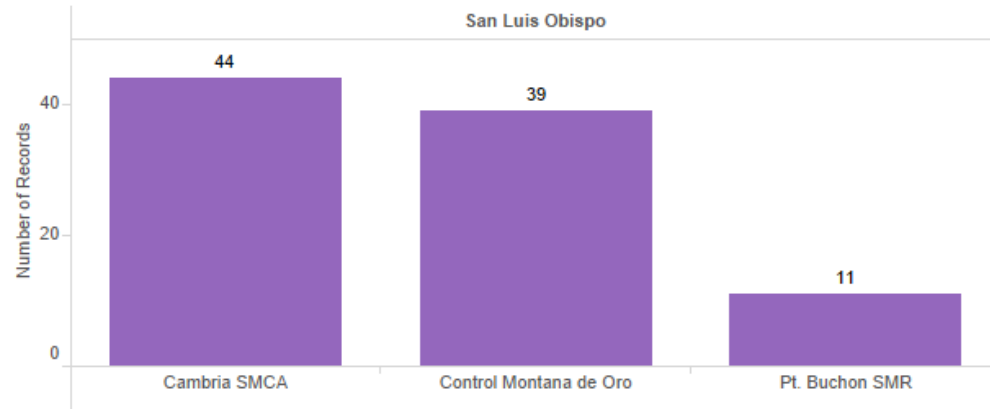
Activity Overview



Measure Names

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Surveys by Site



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Consumptive Trends in SMR MPAs: Time of Day

