

The Otter Project

MPA Watch Survey Data

October 2014 - December 2014

Quarter 4

Total surveys to date: 5,606

Total surveys for this year: 1520

Contributing volunteers this quarter: 46

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.

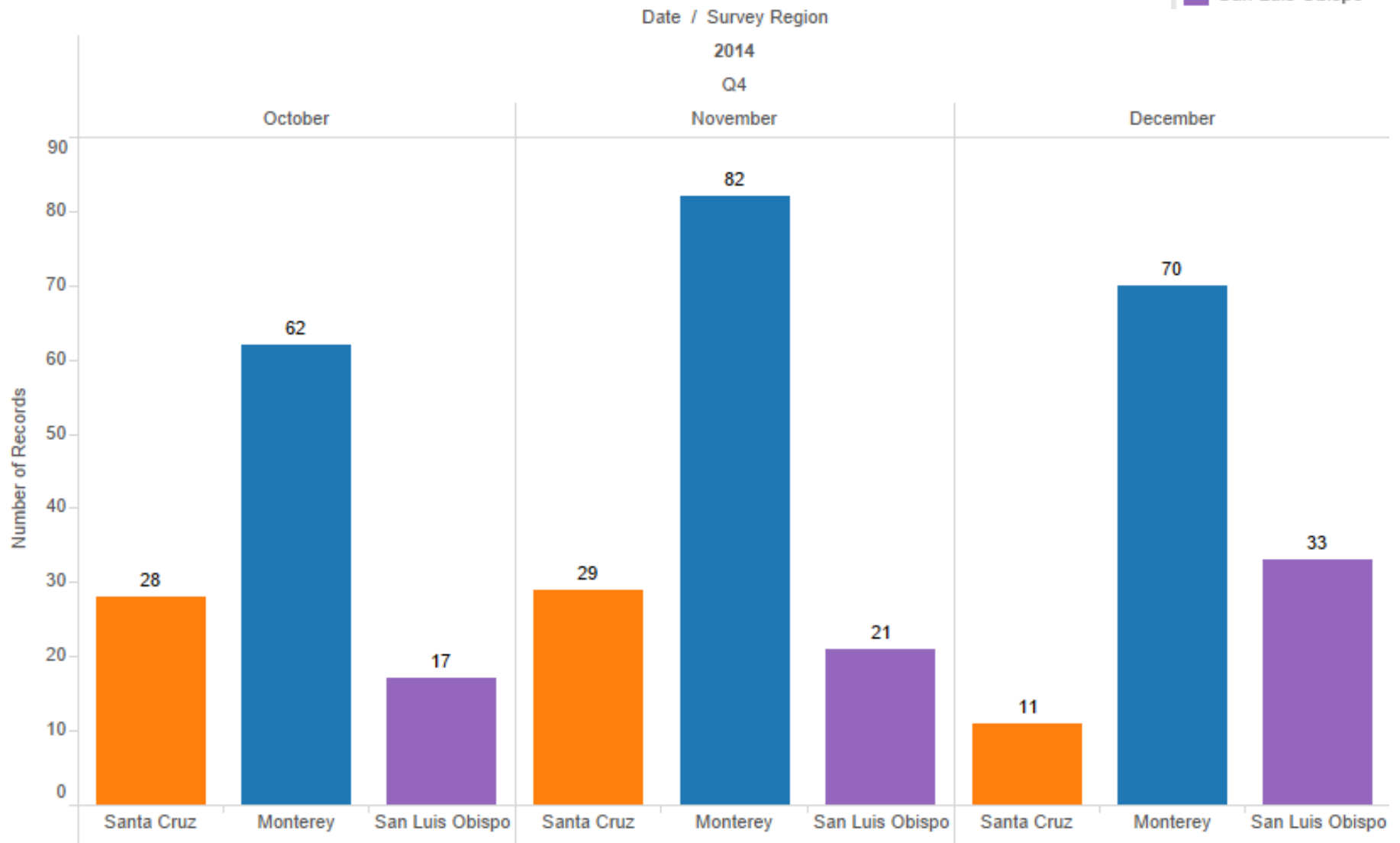
Santa Cruz cumulative total: 1,001 Santa Cruz total this year: 211	Monterey cumulative total: 2,921 Monterey total this year: 758	San Luis Obispo cumulative total: 1,684 San Luis Obispo total this year: 551
<u>Total Per Site Quarter 4:</u> Bean Hollow: 22 Ano Nuevo: 10 Coastal Bluffs: 22 Natural Bridges: 14	<u>Total Per Site Quarter 4:</u> Lover's Point: 94 Asilomar: 42 17 Mile Drive: 30 Pt. Lobos: 39 Malpaso: 9	<u>Total Per Site Quarter 4:</u> Cambria: 32 Montana de Oro: 25 Pt. Buchon: 14

MPA Watch Survey Data

Quarter 4

October 2014 - December 2014

All Survey Sites, Number of Records



MPA Watch Survey Data

Quarter 4

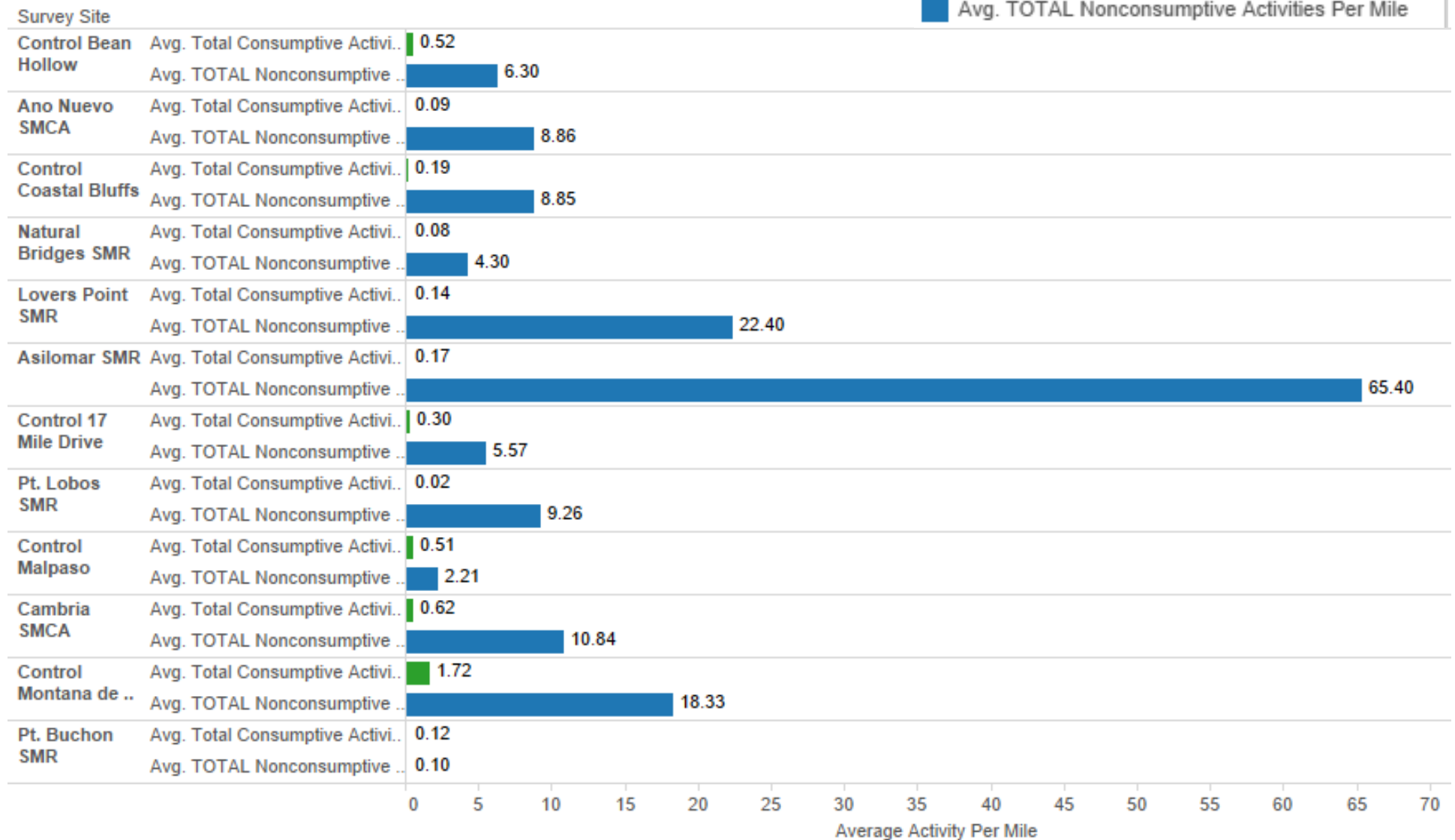
October 2014 - December 2014

All Survey Sites, Non-consumptive vs. Consumptive

Measure Names

■ Avg. TOTAL Consumptive Activities Per Mile

■ Avg. TOTAL Nonconsumptive Activities Per Mile

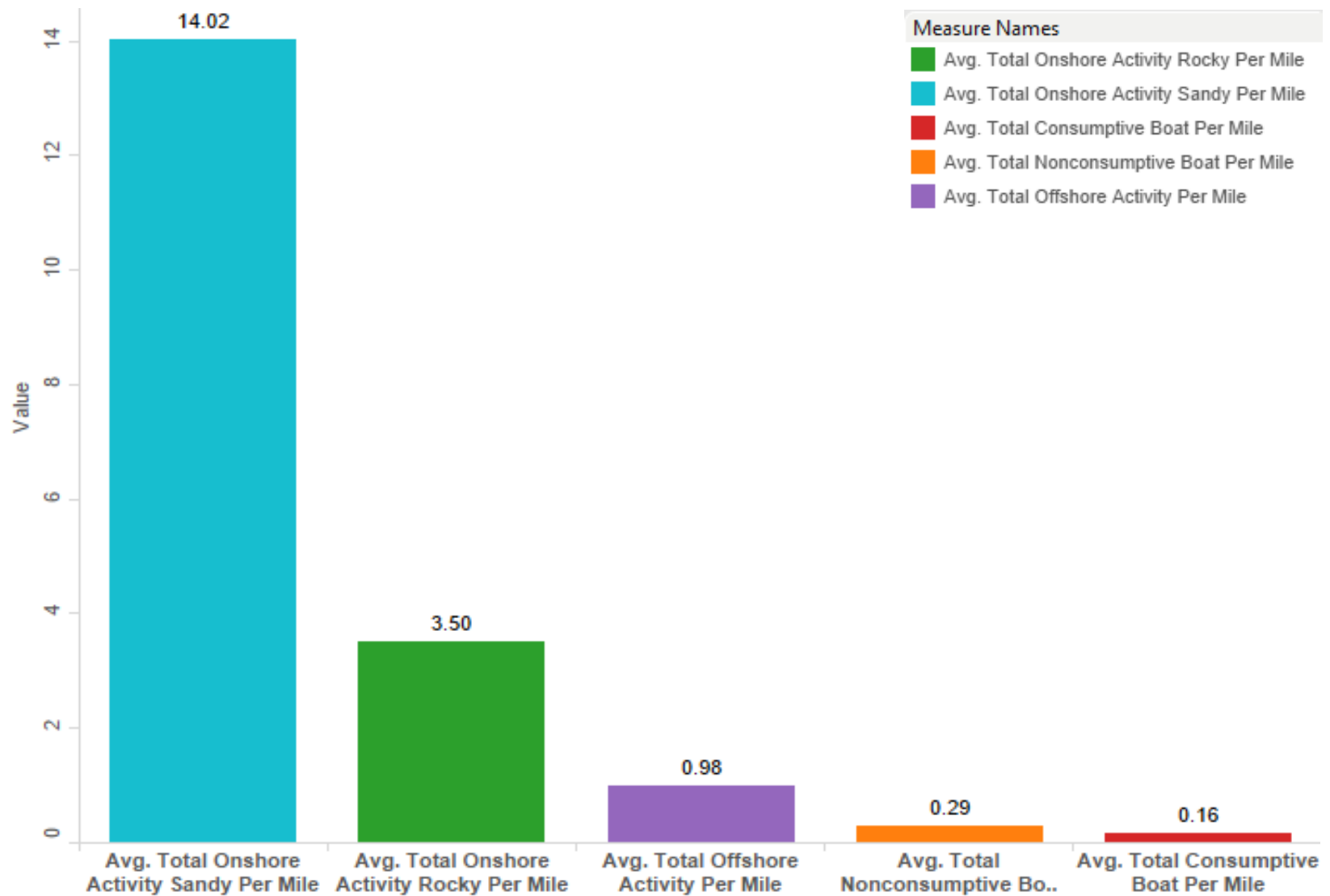


MPA Watch Survey Data

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October 2014 - December 2014

All Survey Sites, Activity Overview



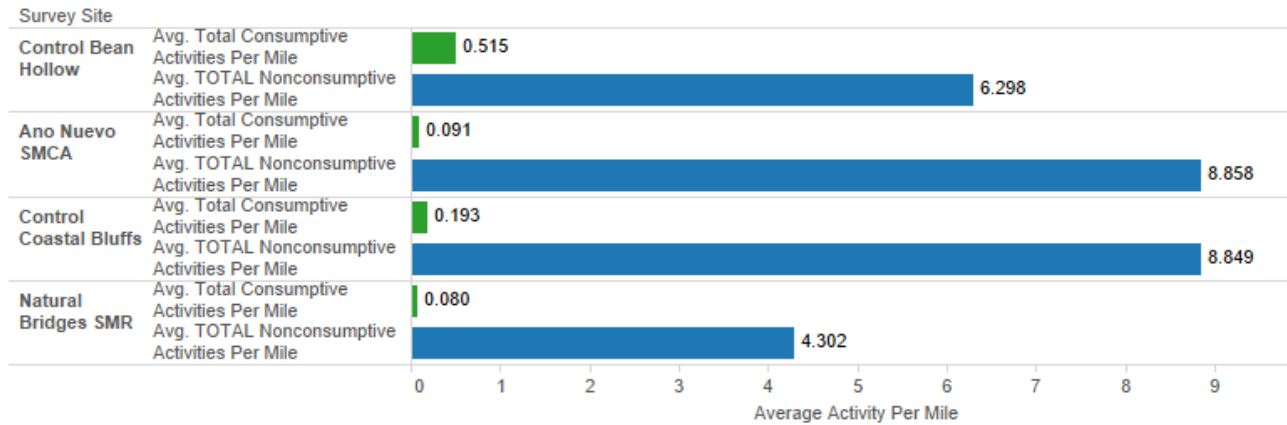
MPA Watch Survey Data

Quarter 4

October 2014 - December 2014

All Santa Cruz Sites

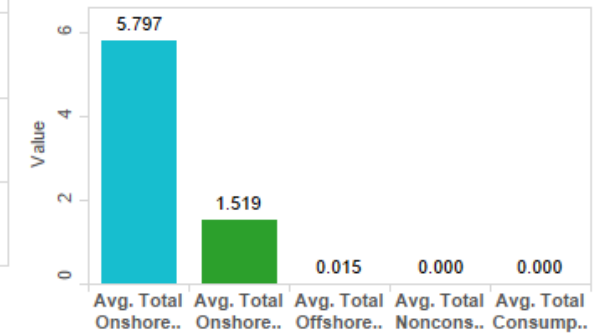
CON vs. NON-CON



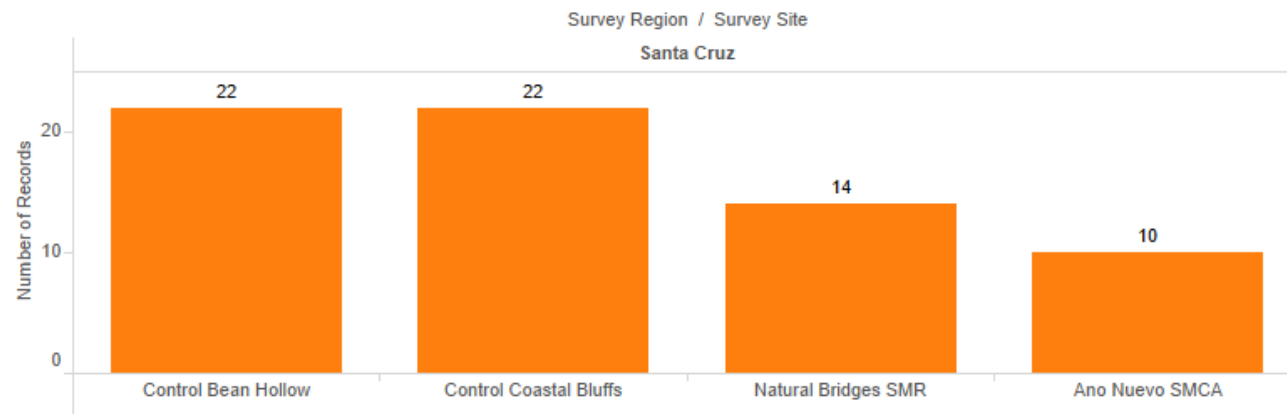
Measure Names

- Avg. Total Consumptive Activities Per Mile
- Avg. TOTAL Nonconsumptive Activities Per Mile

Activity Overview



Surveys by Site



Measure Names

- Avg. Total Onshore Activity Sandy Per Mile
- Avg. Total Onshore Activity Rocky Per Mile
- Avg. Total Offshore Activity Per Mile
- Avg. Total Nonconsumptive Boat Per Mile
- Avg. Total Consumptive Boat Per Mile

Survey Region

- Santa Cruz

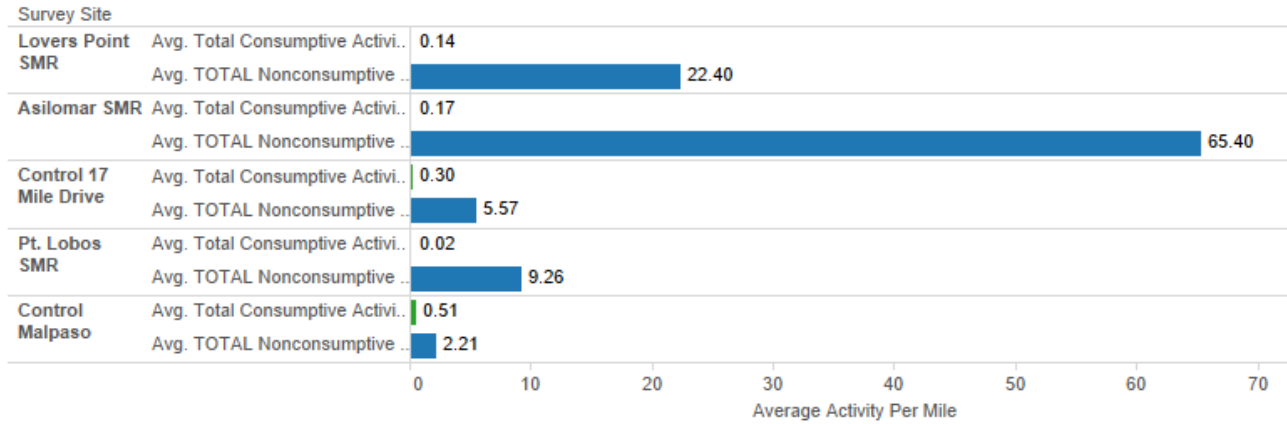
MPA Watch Survey Data

Quarter 4

October 2015 - December 2015

All Monterey Sites

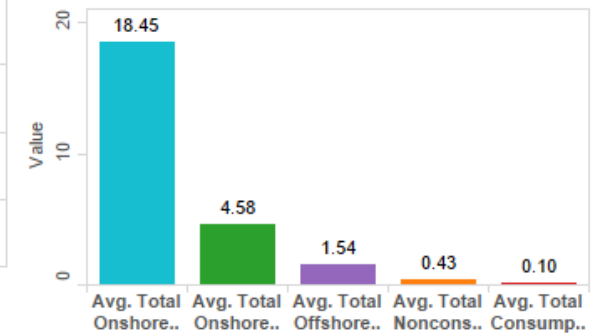
CON vs. NON-CON



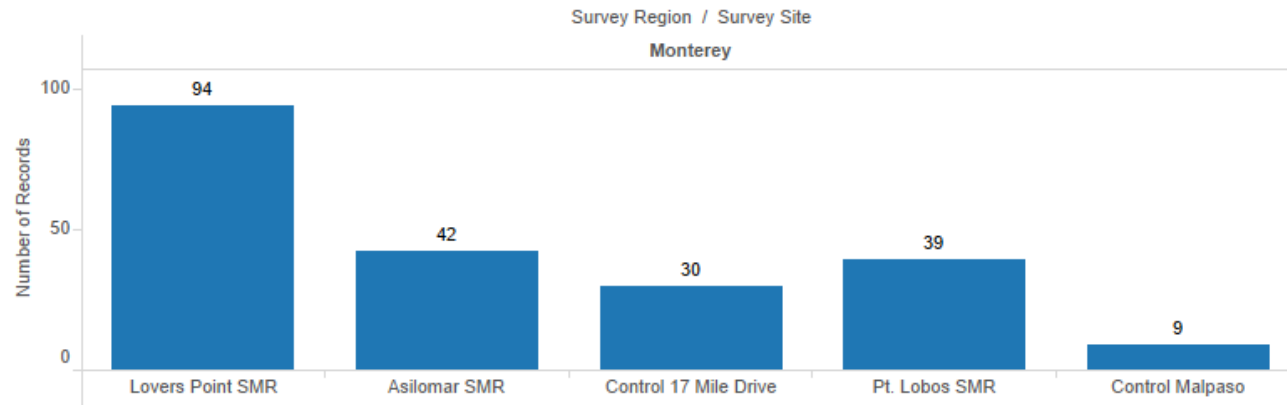
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Activity Overview



Surveys by Site



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- Avg. Total Onshore Activity Rocky Per Mile
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- Avg. Total Nonconsumptive Boat Per Mile
- Avg. Total Consumptive Boat Per Mile

Survey Region

- Monterey

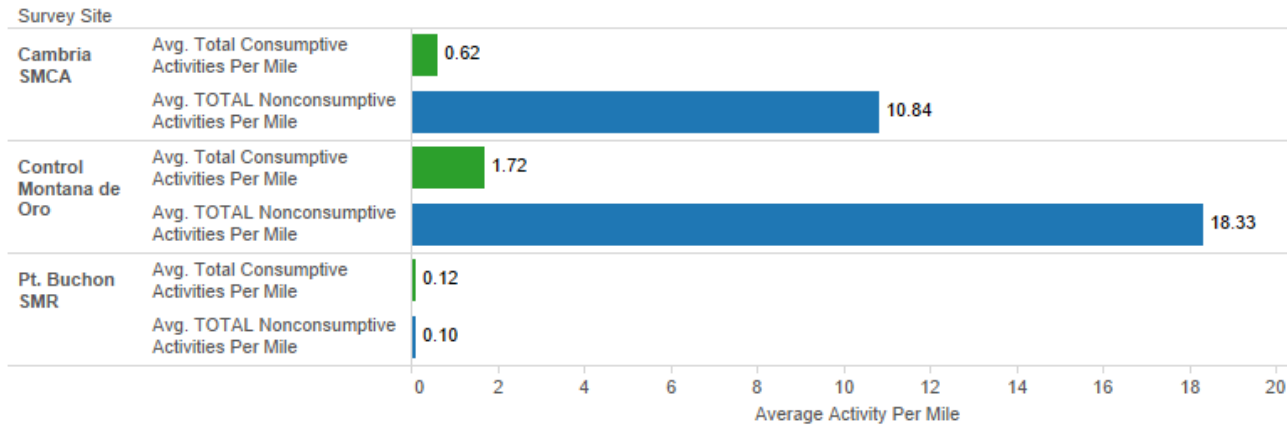
MPA Watch Survey Data

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All San Luis Obispo Sites

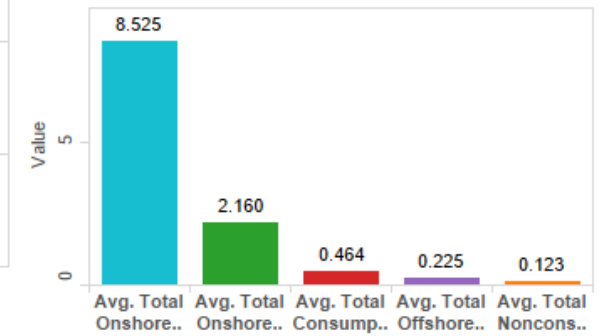
CON vs. NON-CON



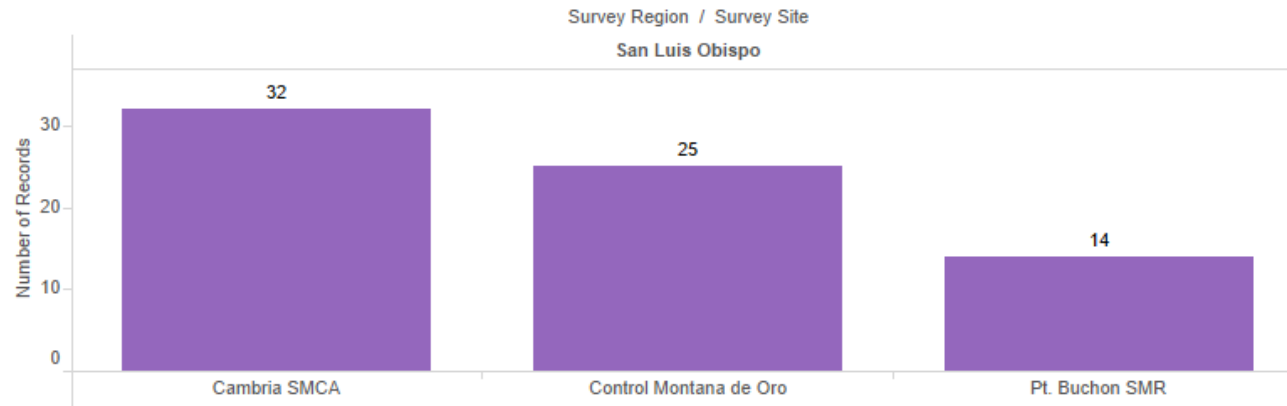
Measure Names

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Activity Overview



Surveys by Site



Measure Names

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- Avg. Total Consumptive Boat Per Mile
- Avg. Total Offshore Activity Per Mile
- Avg. Total Nonconsumptive Boat Per Mile

Survey Region

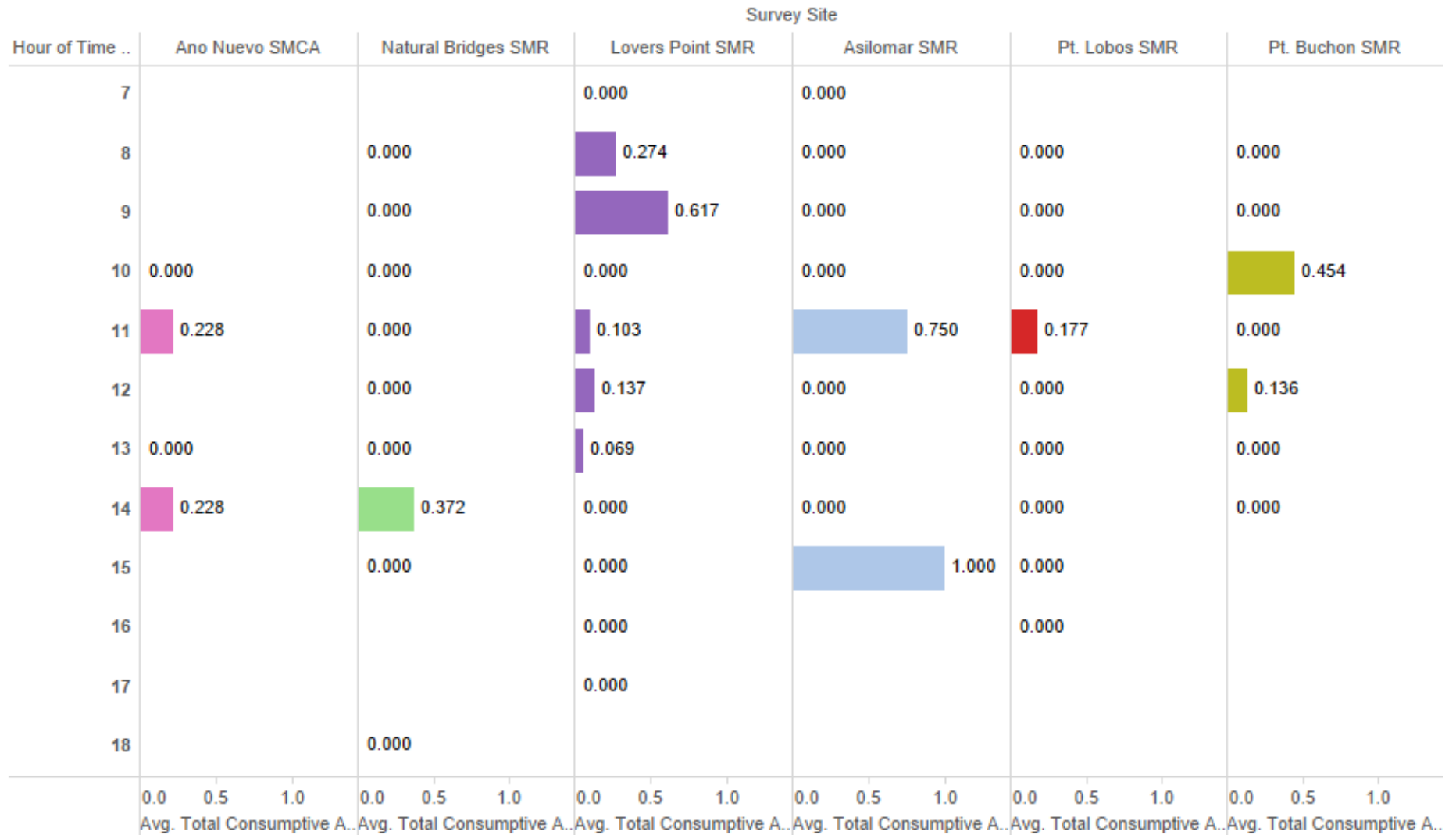
- San Luis Obispo

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Consumptive Trends in MPAs: Time of Day



Average Consumptive Activity Per Mile