

The Otter Project

MPA Watch Survey Data

January 2014 – September 2014

Total surveys to date: 5,465

Total surveys for this year: 1,368

Contributing volunteers: 88

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 are meant to inform the management, enforcement, and science 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, and education efforts; and build social capital.

Santa Cruz cumulative total: 973 Santa Cruz total this year: 172 Bean Hollow: 38 Ano Nuevo: 21 Coastal Bluffs: 31 Natural Bridges: 82	Monterey cumulative total: 2,833 Monterey total this year: 670 Lover's Point: 311 Asilomar: 203 17 Mile Drive: 58 Pt. Lobos: 67 Malpaso: 31	San Luis Obispo cumulative total: 1,659 San Luis Obispo total this year: 526 Cambria: 254 Montana de Oro: 207 Pt. Buchon: 65
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MPA Watch Survey Data

Quarter 2

July 2014 – September 2014

Total surveys for this quarter: 384

Contributing volunteers: 38

Santa Cruz (this quarter): 60 Bean Hollow: 17 Ano Nuevo: 8 Coastal Bluffs: 17 Natural Bridges: 18	Monterey total (this quarter): 227 Lover's Point: 106 Asilomar: 75 17 Mile Drive: 16 Pt. Lobos: 20 Malpaso: 10	San Luis Obispo total (this quarter): 97 Cambria: 46 Montana de Oro: 40 Pt. Buchon: 11
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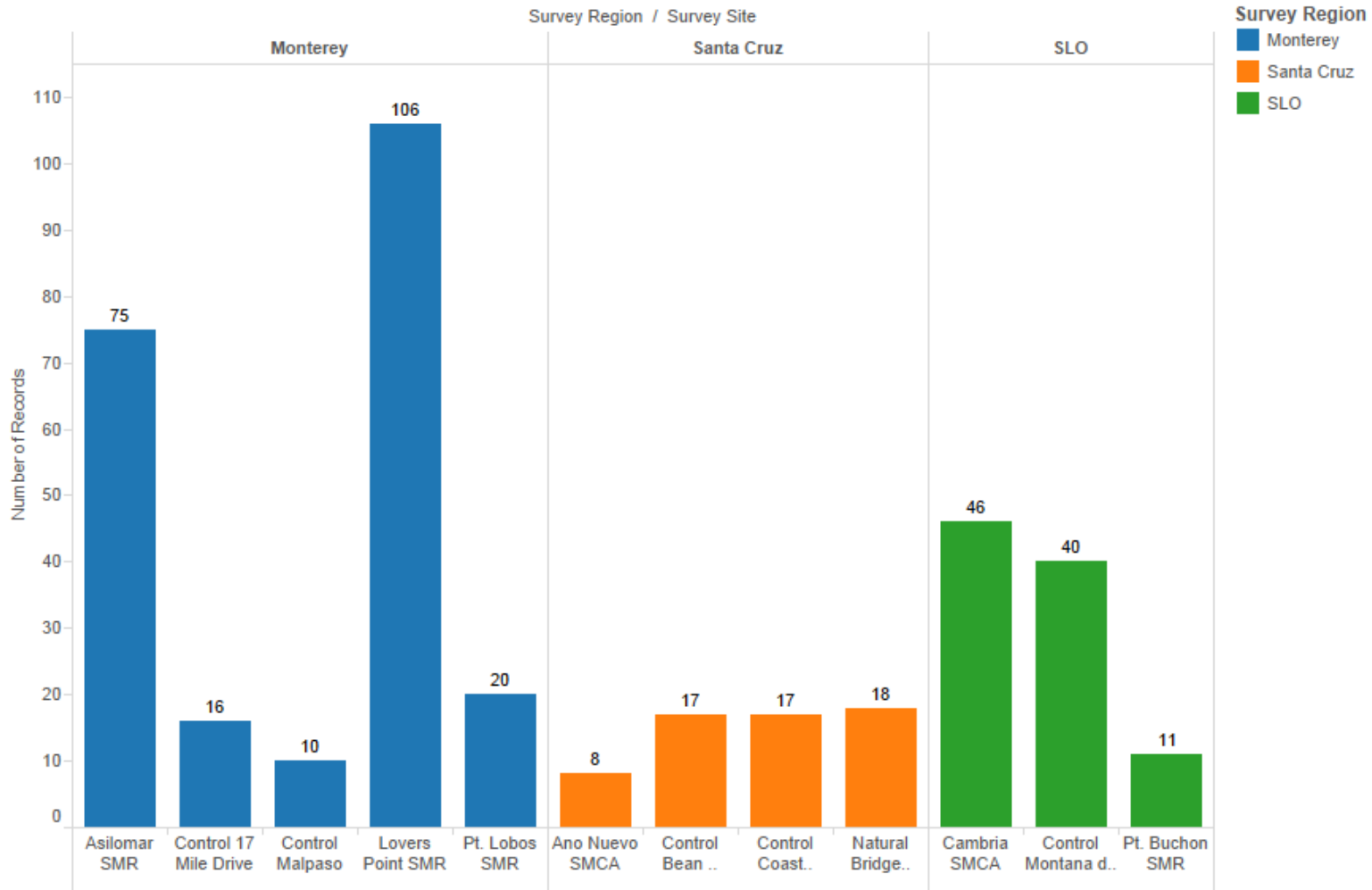
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All Survey Sites

Surveys by Site



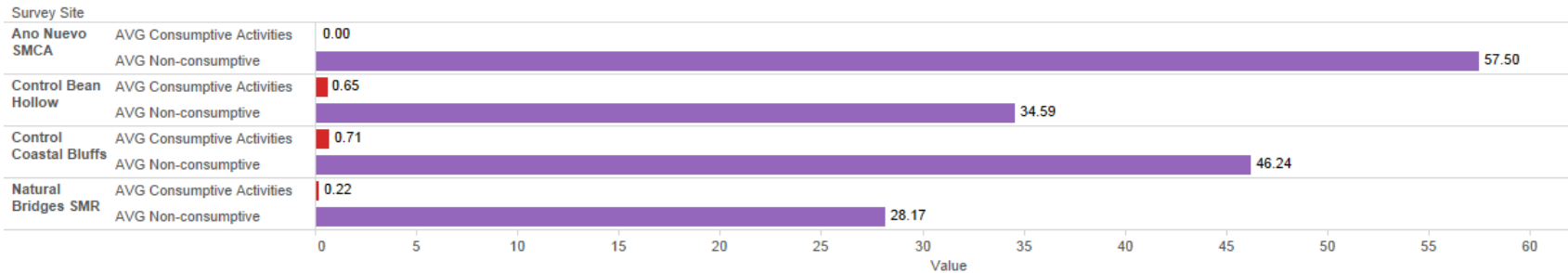
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All Santa Cruz Sites

Con vs. Non-con.



Month of Date

- May
- June
- July
- August
- September

Survey Region

- Santa Cruz

Survey Site

- Ano Nuevo SMCA
- Asilomar SMR
- Cambria SMCA
- Control 17 Mile Drive
- Control Bean Hollow
- Control Coastal Bluffs
- Control Malpasos
- Control Montana de Oro
- Lovers Point SMR
- Natural Bridges SMR

Measure Names

- AVG Consumptive Activi..
- AVG Non-consumptive

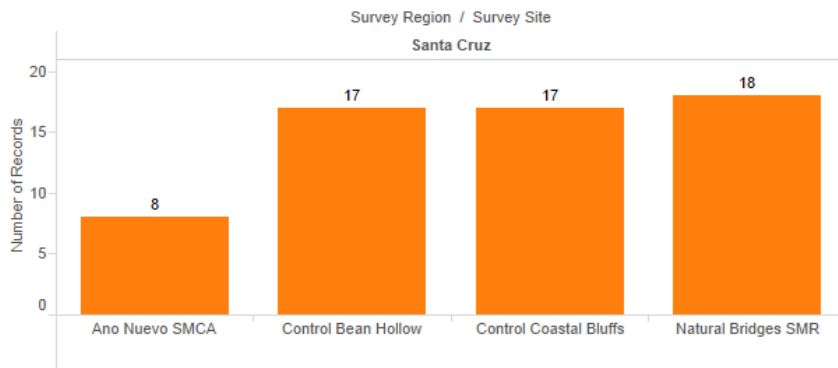
Measure Values

2,052

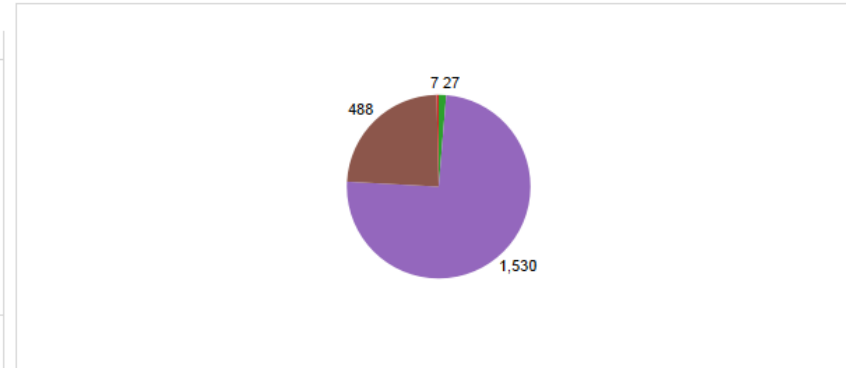
Measure Names

- All consumptive activities
- Onshore - Beach
- Onshore - Rocky
- Boats - non-consumptive
- Boats - consumptive

Surveys by Site



Total Activities Recorded



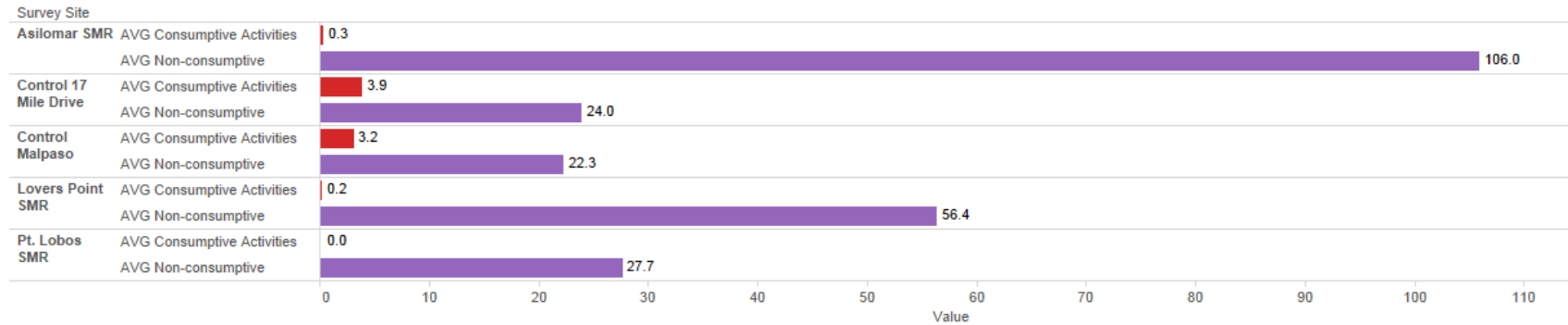
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All Monterey Sites

Con vs. Non-con.



Month of Date

- May
- June
- July
- August
- September

Survey Region

- Monterey

Survey Site

- Ano Nuevo SMCA
- Asilomar SMR
- Cambria SMCA
- Control 17 Mile Drive
- Control Bean Hollow
- Control Coastal Bluffs
- Control Malpaso
- Control Montana de Oro
- Lovers Point SMR
- Natural Brides SMR

Measure Names

- AVG Consumptive Activi..
- AVG Non-consumptive

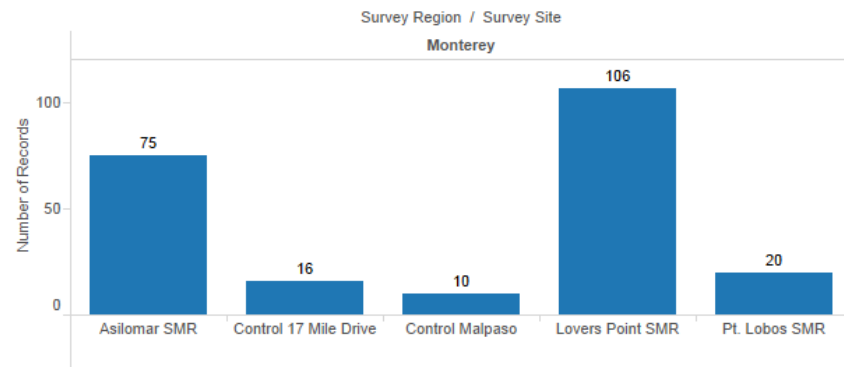
Measure Values

13,661

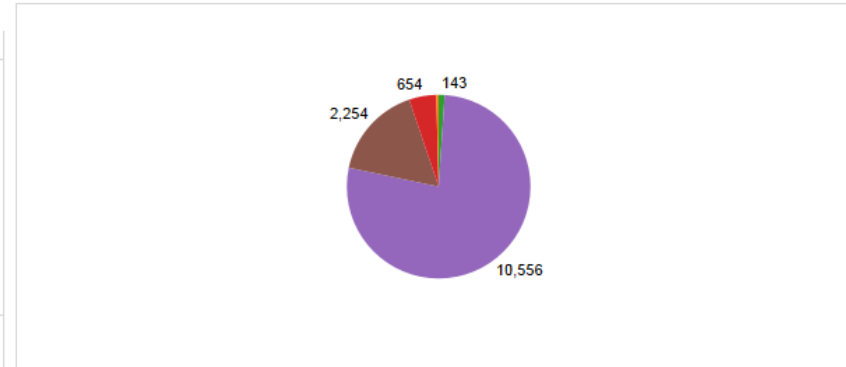
Measure Names

- All consumptive activities
- Onshore - Beach
- Onshore - Rocky
- Boats - non-consumptive
- Boats - consumptive

Surveys by Site



Total Activities Recorded



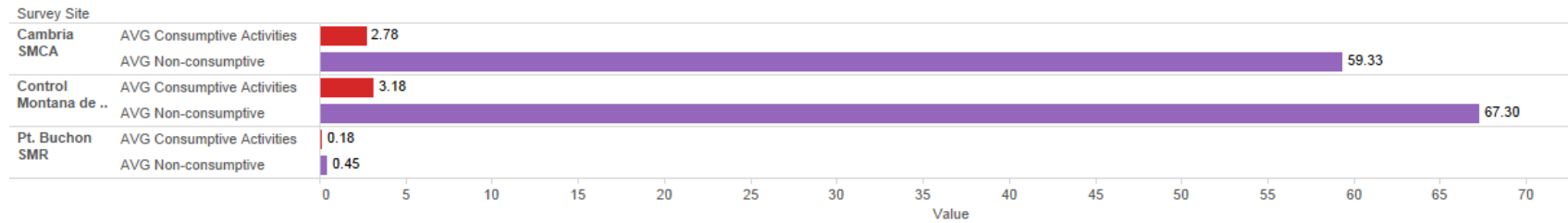
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All San Luis Obispo Sites

Con vs. Non-con.



- Month of Date
- May
 - June
 - July
 - August
 - September

- Survey Region
- SLO

- Survey Site
- Ano Nuevo SMCA
 - Asilomar SMR
 - Cambria SMCA
 - Control 17 Mile Drive
 - Control Bean Hollow
 - Control Coastal Bluffs
 - Control Malpaso
 - Control Montana de Oro
 - Lovers Point SMR
 - Natural Brides SMR

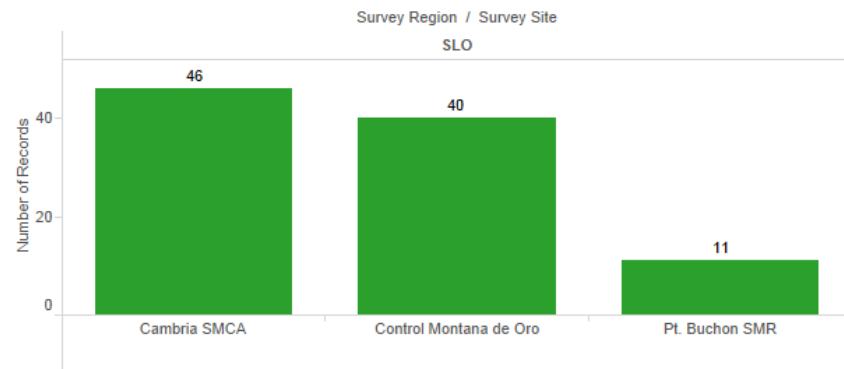
- Measure Names
- AVG Consumptive Activities
 - AVG Non-consumptive

Measure Values

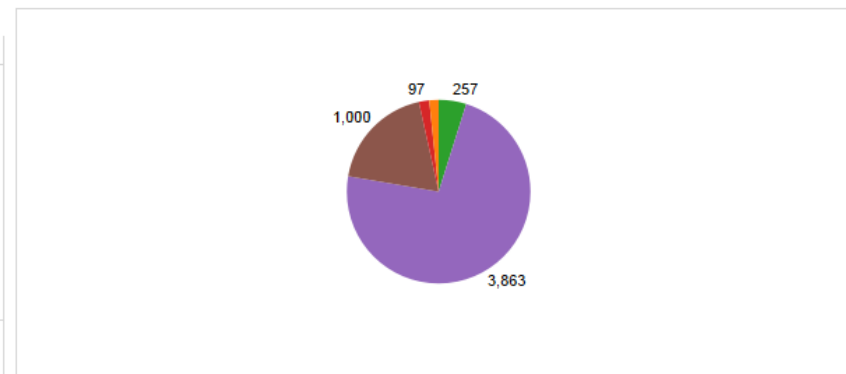
5,303

- Measure Names
- All consumptive activities
 - Onshore - Beach
 - Onshore - Rocky
 - Boats - non-consumptive
 - Boats - consumptive

Surveys by Site



Total Activities Recorded



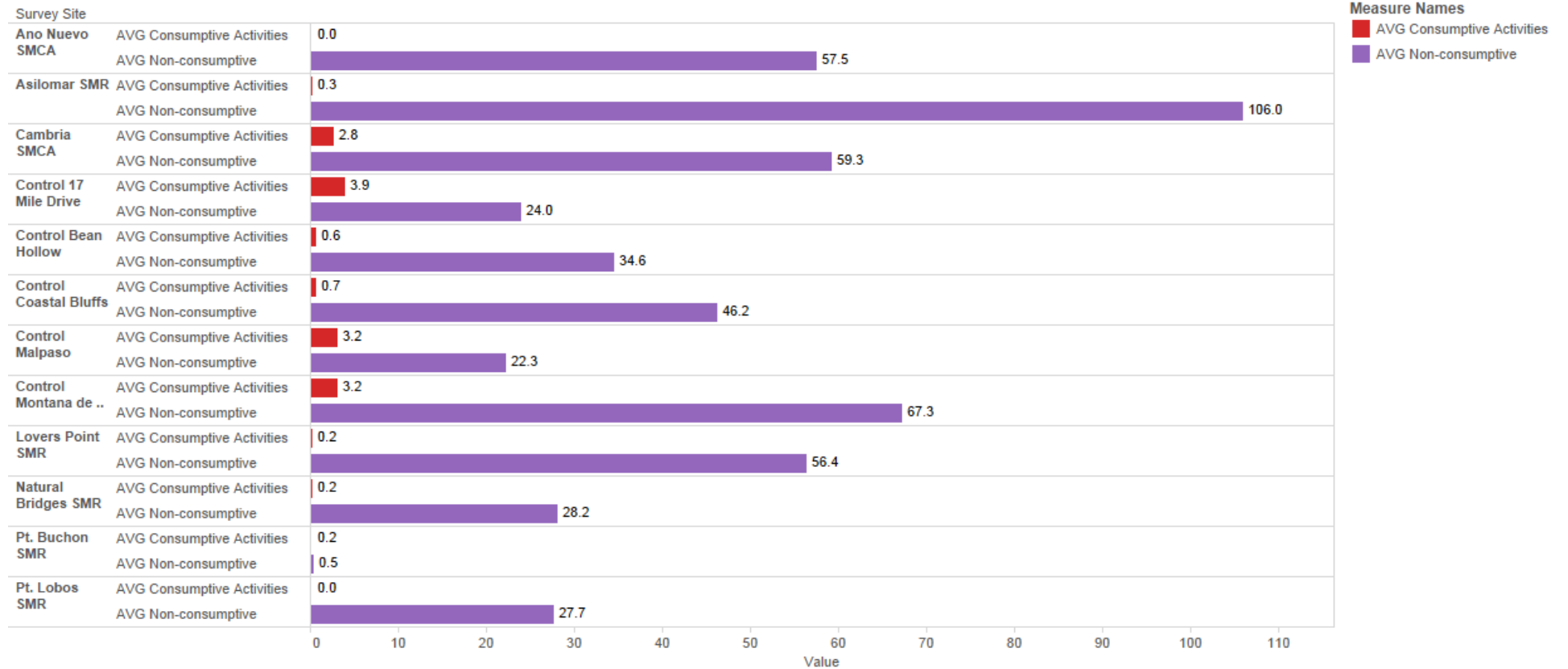
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All Survey Sites, Non-consumptive vs. Consumptive

Con vs. Non-con.



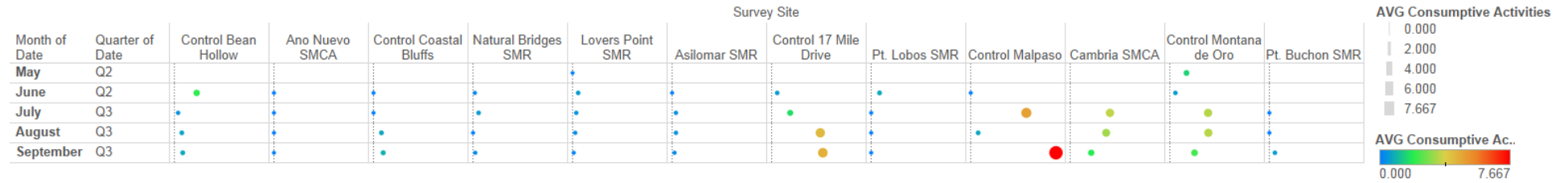
MPA Watch Survey Data

Quarter 3

July 2014 – September 2014

All Reference Survey Sites, Consumptive Trends

Sheet 7



Reference sites: Bean Hollow, Coastal Bluffs, 17 Mile Drive, Malpaso, Montana de Oro

MPA sites: Ano Nuevo, Natural Bridges, Lovers Point, Asilomar, Pt. Lobos, Cambria, Pt. Buchon.