PENNSYLVANIA PRACTICAL EXPERIENCE WITH BMSB MONITORING



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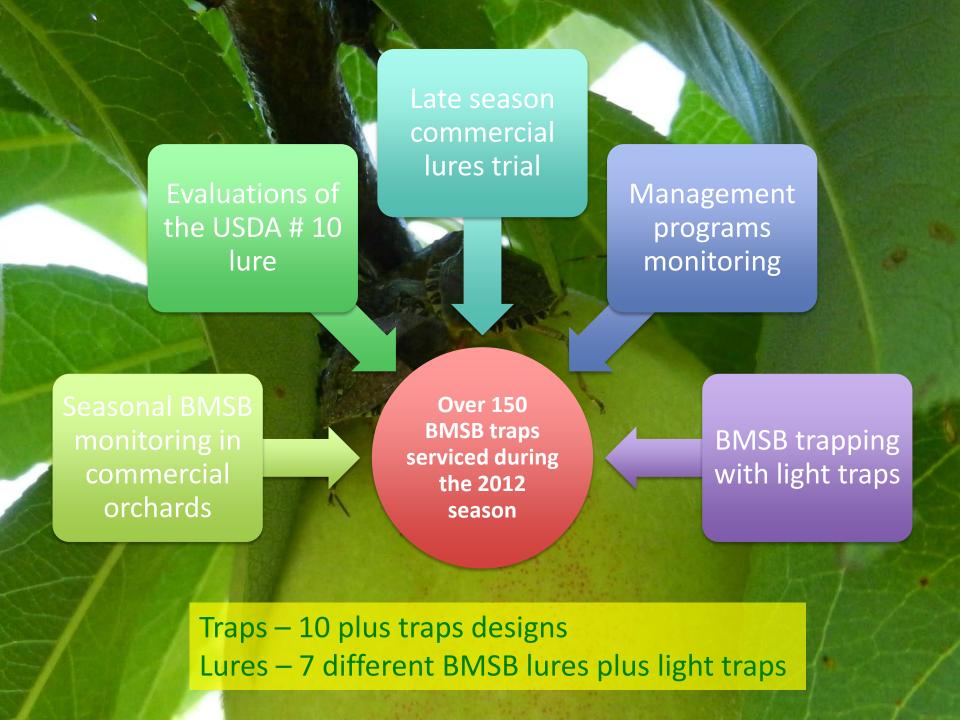


PENNSTATE



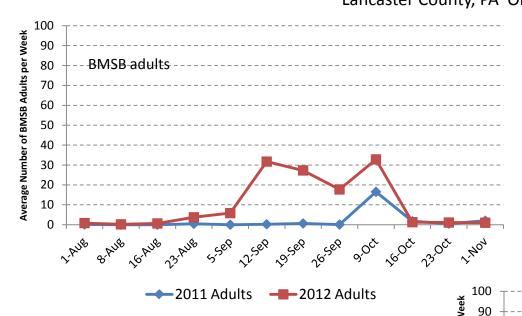
College of Agricultural Sciences





2011 versus 2012 season

Average number of BMSB adults and nymphs per trap/week
Lancaster County, PA Orchard

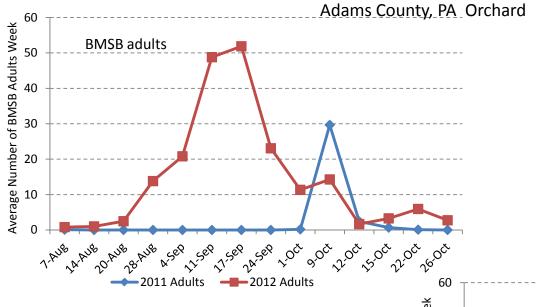


Nymphs

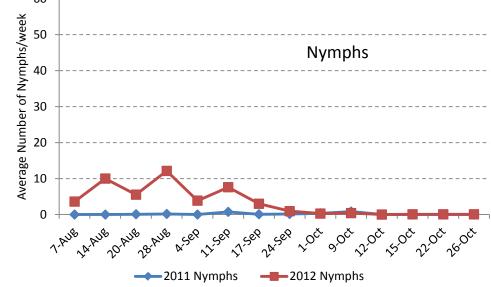
2011 and 2012 trapping data collected using commercially available Ag-Bio traps and lures

2011 versus 2012 season

Average number of BMSB adults and nymphs per trap/week

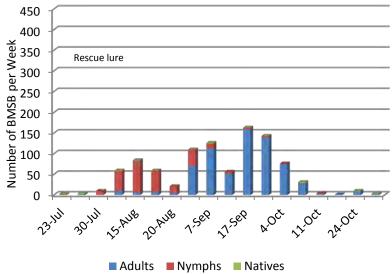


2011 and 2012 trapping data collected using commercially available Ag-Bio traps and lures

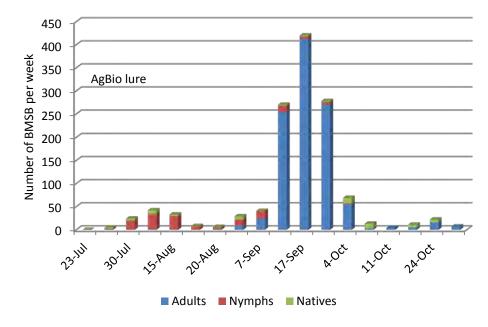


Comparison of commercial lures available during the 2012 season

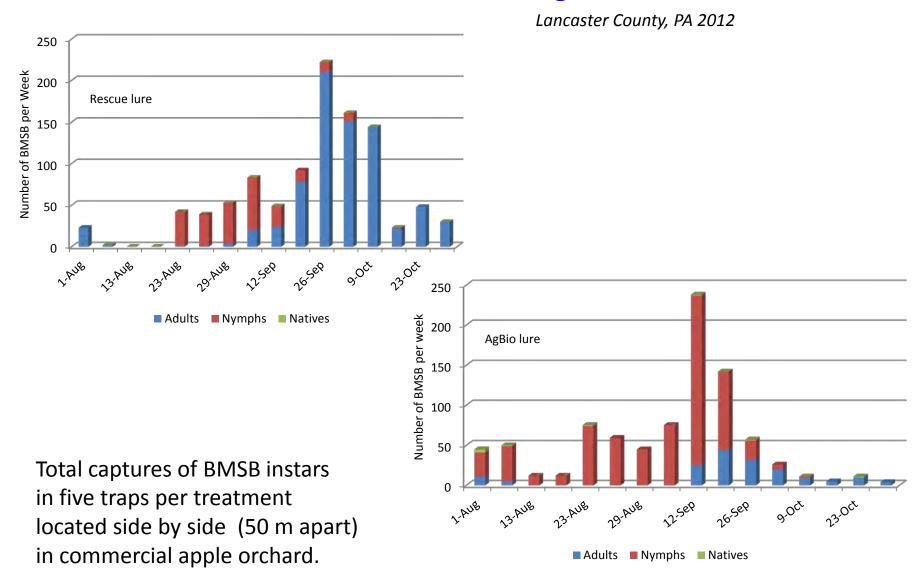
Adams County, PA 2012



Total captures of BMSB instars in five traps per treatment located side by side (50 m apart) in commercial apple orchard.

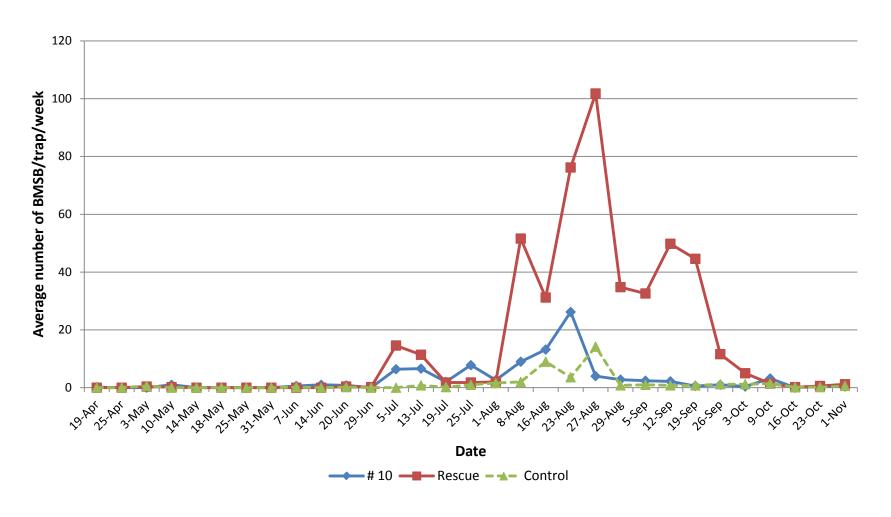


Comparison of commercial lures available during the 2012 season



Seasonal field evaluation of #10 BMSB lure

Lancaster County, PA. 2012 season

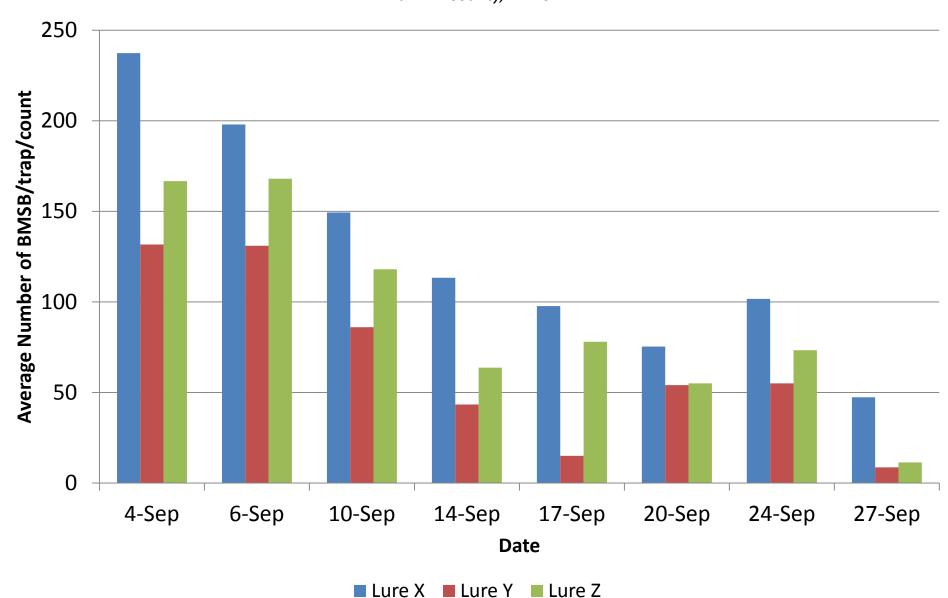


Site #1. Five traps per treatment, traps rotated weekly, placed on edge of woods, next to commercial orchard

BMSB new commercial lures comparison,

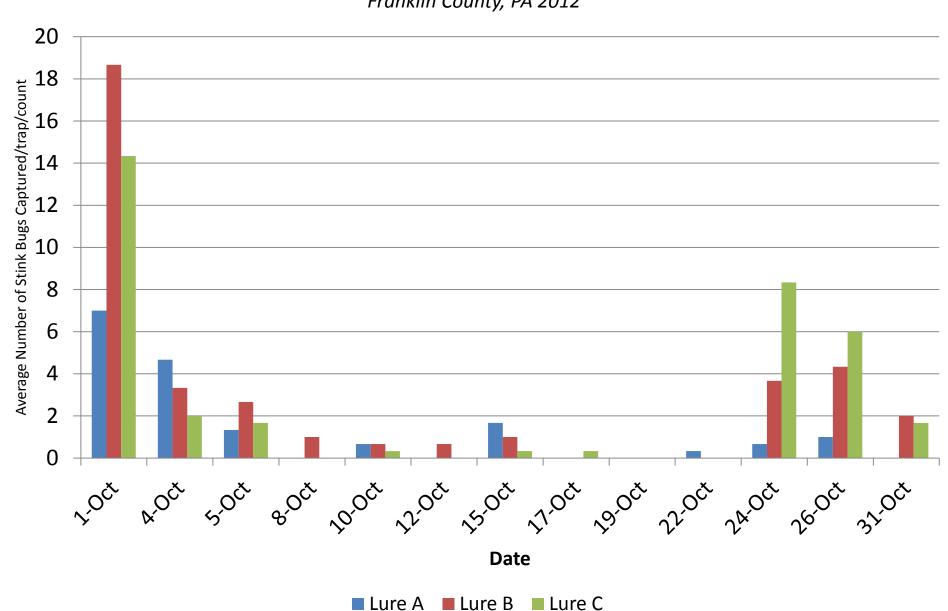
Late season BMSB captures

Franklin County, PA 2012



BMSB new commercial lures comparison,

Late season observations Franklin County, PA 2012



EXTENSION TREE FRUIT ENTOMOLOGY PROGRAM SUMMER 2012



Our crew:

Deonna Soergel – M Sc Graduate student
Travis Enyart – Research technologist
Amy Baugher, Ryan Callahan, Kerry Campbell, Matt Guise, Andy Goodyear,
Erica VanDyke, Chris Placentia, Nicole Quinn, Rachel Troyer - Summer assistants
Nicolas H. Ellis – Ph.D. Program support

Financial support:

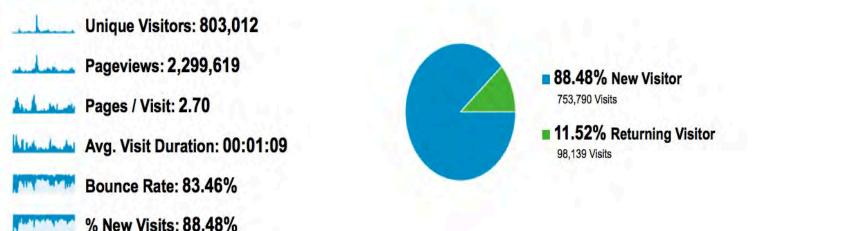
State Horticultural Association of PA, Pennsylvania Apple Marketing Board, Pennsylvania Department of Agriculture, USDA ARS, USDA NIFA SCRI, Ag-chemical industry

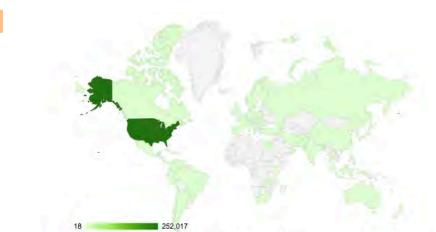
BMSB Website Activity

Comparisons Of Past Two Years

Prepared by
Steven Jacobs
PSU Dep. of Entomology







Pages / Visit

2.81

Visits

262,510

BMSB

BMSB World 2011

% of Total: 6.23% (4,213,069) Site Avg: 2.95 (-4.76%) Site Avg: 00:02:12 (-44.14%) Site Avg: 66.03% (31.09%) Site Avg: 63.60% (29.23%) Country / Territory 252,017 1. United States 2.82 00:01:13 86.32% 82.21% 2. Canada 3,984 2.52 00:01:41 91.97% 79.47% 77.75% 3. United Kingdom 800 2.11 00:01:10 91.12% 4. Mexico 1.32 00:00:06 96.91% 83.85% 516 1.52 00:02:21

Avg. Visit Duration

00:01:14

% New Visits

86.55%

Bounce Rate

82.19%

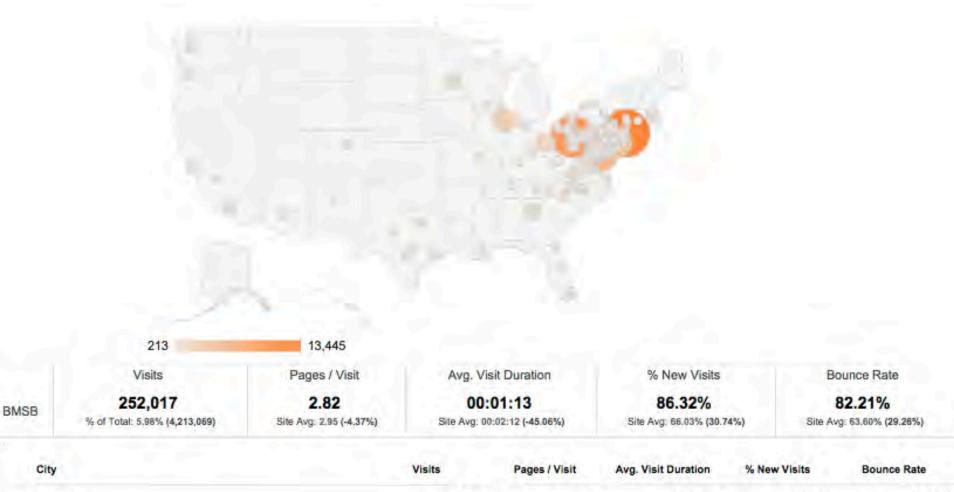
Country / Territory

Pages / Visit Avg. Visit Duration % New Visits Bounce Rate 181,936 3.37 00:01:23 88.15% 78.21% BMSB % of Total: 3.42% (5,323,105) Site Avg: 2.63 (28.26%) Site Avg: 00:02:03 (-32.72%) Site Avg: 72.50% (21.58%) Site Avg: 67.09% (16.57%)

1. United States 169,991 3.45 00:01:25 87.93% 77.81% 3,465 00:01:23 90.79% 76.97% 82.02% 1,140 00:00:12 87.98% **BMSB World 2012** 4. United Kingdom 00:00:41 88.37% 86.02% 5. (not set) 798 2.26 00:01:08 91.35% 82.83% 6. Spain 00:03:51



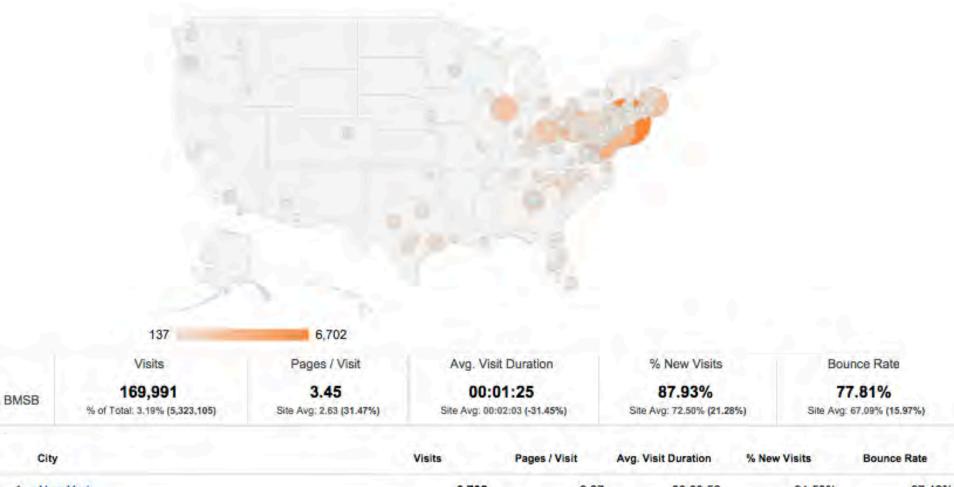
BMSB U.S. Cities 2011



Ш	City	Visits	Pages / Visit	Avg. Visit Duration	% New Visits	Bounce Rate
1.	New York	13,445	1.45	00:00:37	89.02%	87.04%
2.	Pittsburgh	10,048	3.87	00:01:46	69.21%	78.23%
3.	Washington	6,793	1.49	00:00:32	86.91%	87.71%
4.	Philadelphia	5,869	2.70	00:01:33	84.85%	78.48%
5.	Chicago	3,059	1.86	00:00:39	90.13%	81.40%



BMSB U.S. Cities 2012



	City	Visits	Pages / Visit	Avg. Visit Duration	% New Visits	Bounce Rate
1.	New York	6,702	2.27	00:00:56	91.50%	87.42%
2.	Washington	3,556	2.36	00:02:03	86.53%	80.76%
3.	Philadelphia	3,351	3.99	00:02:00	85.71%	65.29%
4.	Pittsburgh	3,214	6.89	00:03:27	73.77%	60.98%
5.	Boston	2,439	2.54	00:00:41	89.71%	84.13%



The Insect

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The Insect

Where is BMSB?

The Brown Marmorated Stink Bug

Description

Contribute



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Explore

Bug Sightings

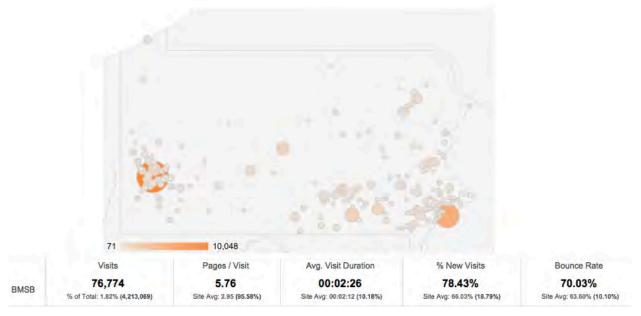


Where is the Brown Marmorated Stink Bug?

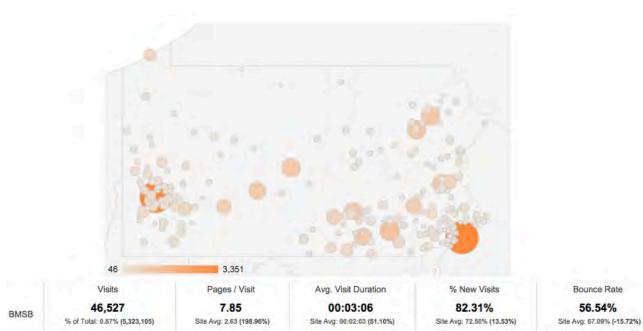


USDA-NIFA SCRI Coordinated Agricultural Project, grant #2011-51181-30937. Web site, stopbmsb.org, maintained by the Northeastern IPM Center, Last accessed: October 15, 2012.

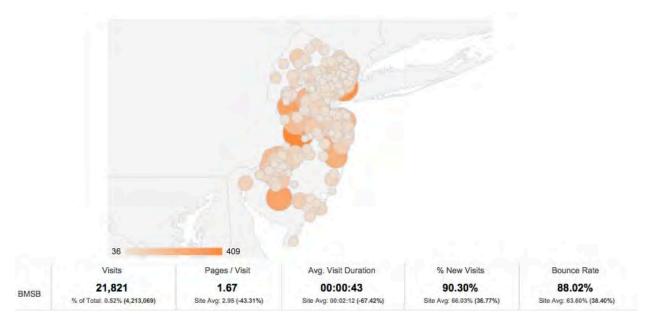
BMSB PA 2011



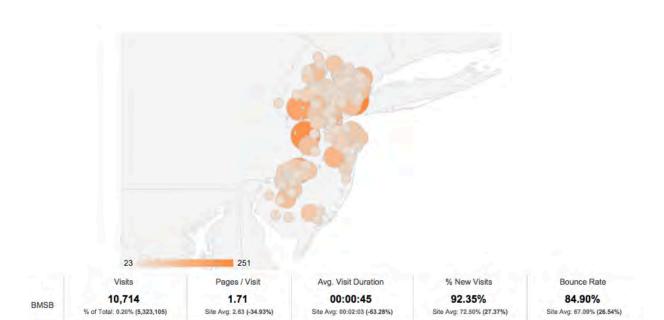
BMSB PA 2012



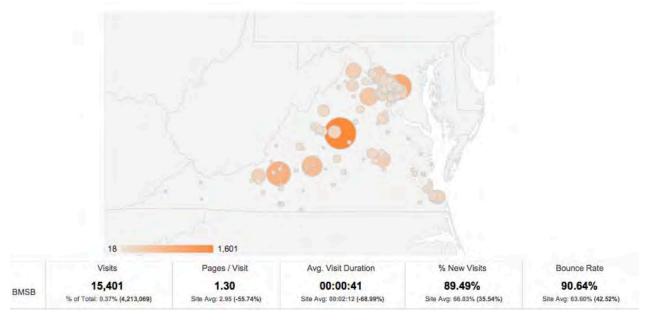
BMSB NJ 2011



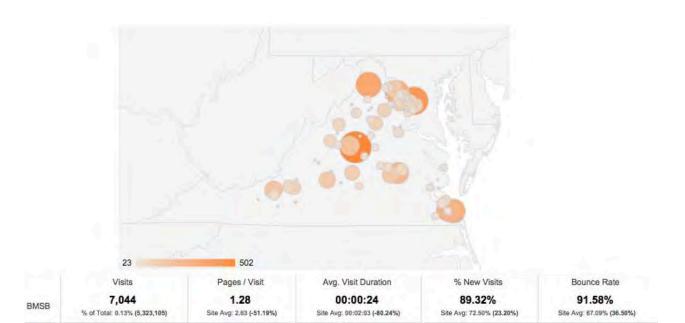
BMSB NJ 2012



BMSB VA 2011

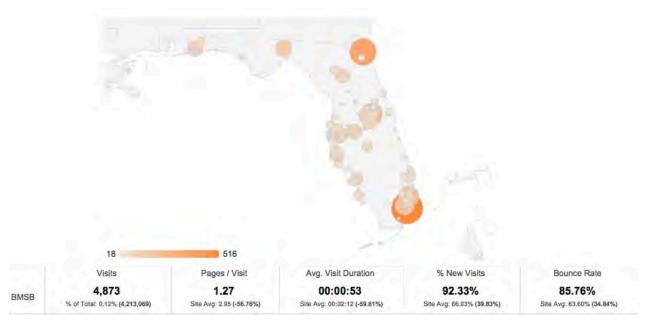


BMSB VA 2012





BMSB FL 2011



BMSB FL 2012

