

Appendix D

New beach data: point zero, open, and “anti-degradation” beaches 2004-2005

<u>Sample Station</u>	<u>Type (M=Moved N=New E=Existing)</u>	<u>Location</u>	<u>Single Sample November 2004 to October 2010 Exceedance % (Exceed Count/Sample Count)</u>		
			<u>Summer Dry Weather Exceedance Day</u>	<u>Winter Dry Weather Exceedance Day</u>	<u>Wet Weather Exceedance Day</u>
<u>SMB 1-1</u>	<u>Point Zero (M)</u>	<u>Leo Carrillo Beach, at 35000 PCH</u>	<u>18% (6/34)</u>	<u>30% (6/20)</u>	<u>57% (4/7)</u>
<u>SMB 1-2</u>	<u>Point Zero (N)</u>	<u>El Pescador State Beach</u>	<u>0% (0/27)</u>	<u>6% (1/17)</u>	<u>30% (3/10)</u>
<u>SMB 1-3</u>	<u>Point Zero (N)</u>	<u>El Matador State Beach</u>	<u>0% (0/27)</u>	<u>0% (0/16)</u>	<u>22% (2/9)</u>
<u>SMB 1-4</u>	<u>Point Zero (M)</u>	<u>Trancas Creek at Broad Beach</u>	<u>6% (2/32)</u>	<u>65% (17/26)</u>	<u>60% (3/5)</u>
<u>SMB 1-5</u>	<u>Point Zero (M)</u>	<u>Zuma Creek at Zuma Beach</u>	<u>17% (6/35)</u>	<u>58% (14/24)</u>	<u>57% (4/7)</u>
<u>SMB 1-6</u>	<u>Point Zero (N)</u>	<u>Walnut Creek in Paradise Cove</u>	<u>0% (0/25)</u>	<u>18% (3/17)</u>	<u>38% (3/8)</u>
<u>SMB O-1#</u>	<u>Point Zero (N)</u>	<u>Paradise Cove</u>	<u>2% (1/62)</u>	<u>13% (2/16)</u>	<u>20% (3/15)</u>
<u>SMB 1-7</u>	<u>Point Zero (M)</u>	<u>Ramirez Creek at Paradise Cove Pier</u>	<u>32% (13/41)</u>	<u>70% (16/23)</u>	<u>80% (8/10)</u>
<u>SMB 1-8</u>	<u>Point Zero (N)</u>	<u>Escondido Creek, just east of Escondido State Beach</u>	<u>77% (47/61)</u>	<u>33% (7/21)</u>	<u>50% (6/12)</u>
<u>SMB 1-9</u>	<u>Point Zero (M)</u>	<u>Latigo Canyon Creek, adjacent the Trivoli Bay Villa Treatment Plant</u>	<u>40% (16/40)</u>	<u>38% (8/21)</u>	<u>50% (4/8)</u>
<u>SMB 1-10</u>	<u>Point Zero (N)</u>	<u>Solstice Creek at Dan Blocker County Beach</u>	<u>28% (10/36)</u>	<u>0% (0/15)</u>	<u>50% (5/10)</u>
<u>SMB O-2#</u>	<u>Point Zero (N)</u>	<u>Puerco Canyon storm drain</u>	<u>3% (2/59)</u>	<u>0% (0/13)</u>	<u>7% (1/14)</u>
<u>SMB 1-11</u>	<u>Point Zero (M)</u>	<u>Wave wash of unnamed creek on Puerco Beach</u>	<u>6% (2/31)</u>	<u>6% (1/16)</u>	<u>40% (2/5)</u>
<u>SMB 1-12</u>	<u>Point Zero (N)</u>	<u>Marie Canyon Storm Drain at Puerco Beach</u>	<u>74% (39/53)</u>	<u>65% (17/26)</u>	<u>69% (9/13)</u>
<u>SMB 1-13</u>	<u>Point Zero (N)</u>	<u>Sweetwater Creek on Carbon Beach</u>	<u>22% (7/32)</u>	<u>19% (4/21)</u>	<u>67% (6/9)</u>
<u>SMB 1-14</u>	<u>Point Zero (N)</u>	<u>Las Flores Creek at Las Flores State Beach</u>	<u>27% (9/33)</u>	<u>9% (1/11)</u>	<u>64% (7/11)</u>
<u>SMB 1-15</u>	<u>Open Beach</u>	<u>Big Rock Beach at 19948 Pacific Coast Hwy</u>	<u>12% (4/33)</u>	<u>6% (1/16)</u>	<u>50% (3/6)</u>
<u>SMB 1-16</u>	<u>Point Zero (N)</u>	<u>Pena Creek at Las Tunas County Beach</u>	<u>10% (3/30)</u>	<u>13% (2/16)</u>	<u>46% (6/13)</u>
<u>SMB 1-17</u>	<u>Point Zero (N)</u>	<u>Tuna Canyon Creek at Las Tunas County Beach</u>	<u>32% (7/22)</u>	<u>20% (3/15)</u>	<u>33% (2/6)</u>
<u>SMB 1-18</u>	<u>Point Zero (M)</u>	<u>Topanga Creek at Topanga County Beach</u>	<u>39% (57/148)</u>	<u>37% (33/90)</u>	<u>74% (40/54)</u>
<u>SMB 2-1</u>	<u>Point Zero (N)</u>	<u>Castlerock (Parker Mesa) Storm Drain Topanga County Beach</u>	<u>80% (49/61)</u>	<u>64% (18/28)</u>	<u>85% (11/13)</u>

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<u>Sample Station</u>	<u>Type</u> (M=Moved N=New E=Existing)	<u>Location</u>	<u>Single Sample</u> <u>November 2004 to October 2010</u> <u>Exceedance % (Exceed Count/Sample Count)</u>		
			<u>Summer Dry</u> <u>Weather</u> <u>Exceedance Day</u>	<u>Winter Dry</u> <u>Weather</u> <u>Exceedance Day</u>	<u>Wet Weather</u> <u>Exceedance Day</u>
			<u>SMB 2-2</u>	<u>Point Zero (N)</u>	<u>Santa Ynez Storm Drain at Will Rodgers State Beach</u>
<u>SMB 2-3</u>	<u>Open Beach</u>	<u>Will Rogers State Beach at 17200 Pacific Coast Hwy.</u>	<u>3%</u> <u>(1/30)</u>	<u>6%</u> <u>(1/16)</u>	<u>63%</u> <u>(5/8)</u>
<u>SMB 2-4</u>	<u>Point Zero (M)</u>	<u>Pulga Canyon storm drain at Will Rodgers State Beach</u>	<u>28%</u> <u>(25/89)</u>	<u>27%</u> <u>(24/90)</u>	<u>75%</u> <u>(36/48)</u>
<u>SMB 2-5</u>	<u>Point Zero (M)</u>	<u>Bay Club Storm Drain</u>	<u>20%</u> <u>(7/35)</u>	<u>28%</u> <u>(5/18)</u>	<u>63%</u> <u>(5/8)</u>
<u>SMB 2-6</u>	<u>Point Zero (M)</u>	<u>Temescal Storm Drain</u>	<u>9%</u> <u>(3/33)</u>	<u>74%</u> <u>(20/27)</u>	<u>90%</u> <u>(9/10)</u>
<u>SMB 2-7</u>	<u>Point Zero (M)</u>	<u>Santa Monica Canyon, Will Rodgers State Beach</u>	<u>71%</u> <u>(105/148)</u>	<u>77%</u> <u>(69/90)</u>	<u>96%</u> <u>(52/54)</u>
<u>SMB 2-8</u>	<u>Open Beach</u>	<u>Venice Pier, Venice</u>	<u>6%</u> <u>(2/31)</u>	<u>6%</u> <u>(1/16)</u>	<u>50%</u> <u>(3/6)</u>
<u>SMB 2-9</u>	<u>Open Beach</u>	<u>Topsail Street extended at Venice Beach</u>	<u>6%</u> <u>(2/31)</u>	<u>13%</u> <u>(2/15)</u>	<u>71%</u> <u>(5/7)</u>
<u>SMB 2-10</u>	<u>Point Zero (M)</u>	<u>Culver Bl. Storm Drain at Dockweiler State Beach</u>	<u>3%</u> <u>(3/87)</u>	<u>7%</u> <u>(6/90)</u>	<u>42%</u> <u>(20/48)</u>
<u>SMB 2-11</u>	<u>Point Zero (N)</u>	<u>North Westchester Storm Drain at Dockweiler State Beach</u>	<u>0%</u> <u>(0/27)</u>	<u>0%</u> <u>(0/15)</u>	<u>40%</u> <u>(4/10)</u>
<u>SMB 2-12</u>	<u>Open Beach</u>	<u>World Way extended at Dockweiler State Beach</u>	<u>3%</u> <u>(1/30)</u>	<u>18%</u> <u>(3/17)</u>	<u>33%</u> <u>(2/6)</u>
<u>SMB 2-13</u>	<u>Point Zero (M)</u>	<u>Imperial Highway storm drain at Dockweiler State Beach</u>	<u>14%</u> <u>(12/84)</u>	<u>7%</u> <u>(6/90)</u>	<u>44%</u> <u>(21/48)</u>
<u>SMB 2-14</u>	<u>Open Beach</u>	<u>Opposite Hyperion Plant at Dockweiler State Beach</u>	<u>0%</u> <u>(0/29)</u>	<u>7%</u> <u>(1/15)</u>	<u>33%</u> <u>(2/6)</u>
<u>SMB 2-15</u>	<u>Point Zero (E)</u>	<u>Grand Avenue Storm Drain at Dockweiler State Beach</u>	<u>6%</u> <u>(2/31)</u>	<u>20%</u> <u>(3/15)</u>	<u>50%</u> <u>(3/6)</u>
<u>SMB 3-1</u>	<u>Point Zero (M)</u>	<u>Montana Storm Drain at Santa Monica State Beach</u>	<u>6%</u> <u>(2/32)</u>	<u>26%</u> <u>(5/19)</u>	<u>50%</u> <u>(3/6)</u>
<u>SMB 3-2</u>	<u>Point Zero (M)</u>	<u>Wilshire Storm Drain at Santa Monica State Beach</u>	<u>6%</u> <u>(2/31)</u>	<u>13%</u> <u>(2/16)</u>	<u>71%</u> <u>(5/7)</u>
<u>SMB 3-3</u>	<u>Point Zero (M)</u>	<u>Santa Monica Pier Storm Drain at Santa Monica State Beach</u>	<u>41%</u> <u>(61/147)</u>	<u>49%</u> <u>(44/90)</u>	<u>69%</u> <u>(38/55)</u>
<u>SMB 3-4</u>	<u>Point Zero (M)</u>	<u>Pico-Kenter Storm Drain at Santa Monica State Beach</u>	<u>20%</u> <u>(30/147)</u>	<u>49%</u> <u>(44/90)</u>	<u>76%</u> <u>(42/55)</u>
<u>SMB 3-5</u>	<u>Point Zero (M)</u>	<u>Ashland Storm Drain at Venice Beach</u>	<u>1%</u> <u>(2/147)</u>	<u>17%</u> <u>(15/90)</u>	<u>55%</u> <u>(30/55)</u>
<u>SMB 3-6</u>	<u>Point Zero (N)</u>	<u>Rose Ave. Storm Drain at Venice Beach</u>	<u>10%</u> <u>(3/29)</u>	<u>12%</u> <u>(2/17)</u>	<u>55%</u> <u>(6/11)</u>
<u>SMB 3-7</u>	<u>Point Zero (M)</u>	<u>Brooks Storm Drain at Venice City Beach</u>	<u>3%</u> <u>(1/30)</u>	<u>7%</u> <u>(1/15)</u>	<u>50%</u> <u>(3/6)</u>
<u>SMB 3-8</u>	<u>Point Zero (M)</u>	<u>Windward Storm Drain at Venice City Beach</u>	<u>6%</u> <u>(5/85)</u>	<u>9%</u> <u>(6/70)</u>	<u>41%</u> <u>(17/41)</u>
<u>SMB 3-9</u>	<u>Open Beach</u>	<u>Strand Street extended at Santa Monica Beach</u>	<u>0%</u> <u>(0/29)</u>	<u>28%</u> <u>(5/18)</u>	<u>57%</u> <u>(4/7)</u>
<u>SMB 4-1</u>	<u>Point Zero (M)</u>	<u>San Nicholas Canyon Creek at Nicholas Beach</u>	<u>3%</u> <u>(1/30)</u>	<u>12%</u> <u>(2/17)</u>	<u>40%</u> <u>(2/5)</u>

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			<u>Summer Dry</u> <u>Weather</u> <u>Exceedance Day</u>	<u>Winter Dry</u> <u>Weather</u> <u>Exceedance Day</u>	<u>Wet Weather</u> <u>Exceedance Day</u>
			<u>SMB 5-1*</u>	<u>Open Beach</u>	<u>Manhattan State Beach at 40th Street</u>
<u>SMB 5-2</u>	<u>Point Zero (M)</u>	<u>28th Street Drain at Manhattan State Beach</u>	<u>11%</u> <u>(11/97)</u>	<u>25%</u> <u>(4/16)</u>	<u>57%</u> <u>(8/14)</u>
<u>SMB 5-3*</u>	<u>Point Zero (M)</u>	<u>Manhattan Beach Pier at Manhattan State Beach</u>	<u>3%</u> <u>(1/29)</u>	<u>8%</u> <u>(3/36)</u>	<u>11%</u> <u>(1/9)</u>
<u>SMB 5-4</u>	<u>Open Beach</u>	<u>Hermosa Beach at 26th Street</u>	<u>0%</u> <u>(0/29)</u>	<u>0%</u> <u>(0/15)</u>	<u>50%</u> <u>(3/6)</u>
<u>SMB 5-5*</u>	<u>Open Beach</u>	<u>Hermosa Beach Pier at Hermosa Beach</u>	<u>0%</u> <u>(0/29)</u>	<u>7%</u> <u>(1/15)</u>	<u>22%</u> <u>(2/9)</u>
<u>SMB 6-1</u>	<u>Point Zero (M)</u>	<u>Herondo Storm Drain at Redondo Beach</u>	<u>4%</u> <u>(4/91)</u>	<u>24%</u> <u>(4/17)</u>	<u>71%</u> <u>(10/14)</u>
<u>SMB 6-2*</u>	<u>Open Beach</u>	<u>Redondo Municipal Pier - 100 yards south at Redondo Beach</u>	<u>13%</u> <u>(4/30)</u>	<u>0%</u> <u>(0/15)</u>	<u>22%</u> <u>(2/9)</u>
<u>SMB 6-3</u>	<u>Point Zero (N)</u>	<u>Sapphire Street Drain at Redondo Beach</u>	<u>10%</u> <u>(3/30)</u>	<u>0%</u> <u>(0/15)</u>	<u>22%</u> <u>(2/9)</u>
<u>SMB 6-4</u>	<u>Open Beach</u>	<u>120' north of Topaz groin at Redondo Beach</u>	<u>0%</u> <u>(0/29)</u>	<u>13%</u> <u>(2/15)</u>	<u>43%</u> <u>(3/7)</u>
<u>SMB 6-5*</u>	<u>Point Zero (M)</u>	<u>Avenue I Storm Drain at Redondo Beach</u>	<u>3%</u> <u>(1/30)</u>	<u>6%</u> <u>(2/36)</u>	<u>11%</u> <u>(1/9)</u>
<u>SMB 6-6*</u>	<u>Open Beach</u>	<u>Malaga Cove, Palos Verdes Estates</u>	<u>0%</u> <u>(0/29)</u>	<u>13%</u> <u>(2/16)</u>	<u>22%</u> <u>(2/9)</u>
<u>SMB 7-1</u>	<u>Open Beach</u>	<u>Malaga Cove</u>	<u>0%</u> <u>(0/32)</u>	<u>0%</u> <u>(0/18)</u>	<u>40%</u> <u>(4/10)</u>
<u>SMB 7-2</u>	<u>Open Beach</u>	<u>Bluff Cove</u>	<u>0%</u> <u>(0/32)</u>	<u>5%</u> <u>(1/19)</u>	<u>20%</u> <u>(2/10)</u>
<u>SMB 7-3</u>	<u>Open Beach</u>	<u>Long Point</u>	<u>0%</u> <u>(0/194)</u>	<u>0%</u> <u>(0/106)</u>	<u>15%</u> <u>(10/65)</u>
<u>SMB 7-4</u>	<u>Open Beach</u>	<u>Abalone Cove</u>	<u>1%</u> <u>(1/194)</u>	<u>0%</u> <u>(0/106)</u>	<u>9%</u> <u>(6/65)</u>
<u>SMB 7-5</u>	<u>Open Beach</u>	<u>Portuguese Bend Cove</u>	<u>0%</u> <u>(0/194)</u>	<u>3%</u> <u>(3/106)</u>	<u>6%</u> <u>(4/65)</u>
<u>SMB 7-6</u>	<u>Open Beach</u>	<u>Royal Palms</u>	<u>0%</u> <u>(0/194)</u>	<u>0%</u> <u>(0/106)</u>	<u>15%</u> <u>(10/65)</u>
<u>SMB 7-7</u>	<u>Point Zero (N)</u>	<u>At storm drain between White Point and Wilder Annex</u>	<u>0%</u> <u>(0/29)</u>	<u>0%</u> <u>(0/18)</u>	<u>60%</u> <u>(6/10)</u>
<u>SMB 7-8</u>	<u>Open Beach</u>	<u>Wilder Annex</u>	<u>0%</u> <u>(0/194)</u>	<u>3%</u> <u>(3/106)</u>	<u>18%</u> <u>(12/65)</u>
<u>SMB 7-9</u>	<u>Open Beach</u>	<u>Outer Cabrillo Beach</u>	<u>0%</u> <u>(0/194)</u>	<u>0%</u> <u>(0/106)</u>	<u>9%</u> <u>(6/65)</u>
<u>SMB BC-1</u>	<u>Point Zero (M)</u>	<u>Ballona Creek at Dockweiler State Beach</u>	<u>31%</u> <u>(45/147)</u>	<u>34%</u> <u>(31/90)</u>	<u>84%</u> <u>(46/55)</u>
<u>SMB MC-1</u>	<u>Open Beach</u>	<u>Malibu Point, Malibu State Beach</u>	<u>22%</u> <u>(8/36)</u>	<u>17%</u> <u>(3/18)</u>	<u>40%</u> <u>(2/5)</u>
<u>SMB MC-2</u>	<u>Point Zero (M)</u>	<u>Surfrider Beach (breach point of Malibu Lagoon)</u>	<u>58%</u> <u>(85/147)</u>	<u>37%</u> <u>(33/90)</u>	<u>71%</u> <u>(37/52)</u>
<u>SMB MC-3</u>	<u>Open Beach</u>	<u>Malibu Pier at Carbon Beach</u>	<u>12%</u> <u>(4/33)</u>	<u>41%</u> <u>(9/22)</u>	<u>57%</u> <u>(4/7)</u>

Monitoring began in 2010 and data was examine from April 2010 to November 2011

* Two different data were available for the sampling site and subsequently combined