

Attachment 1:
Machado Lake
Nutrient TMDL
Year 1
Wet Event 2
Monitoring Site
Field Logs

Machado Lake Nutrient TMDL Sampling

Sampling Data Log Sheet

Site: **Island Outlet - Academy Dr/ Palos Verdes Dr**

GPS Reference

GPS Readings

Latitude: **33.7831**

33.78303

Site Id: **10 ACAD**

Sample Region: **LWA**

Longitude: **-118.3537**

-118.35373

Personnel: **Bryant (LWA), Greg (LWA)** Date: **1/25/13** Time: **2036** Pictures: **7**

Samples Collected

Intermediate container used to transfer water to sample bottles?

Sample ID	Time	Sample Depth (ft)	Analytes	Bottle Count	Notes
<input checked="" type="checkbox"/> MLMRP-004-10_ACAD-01	2036	n/a	Water Composite	1	MS/MSD and dup

Field Measured Data

(Note: At Tox sites, If EC > 3000 uS/cm, collect an additional container)

Time	Temp(°C)	pH	D.O.(mg/L)	D.O.(%Sat)	Sp.Cond(uS/cm)	Turbidity(NTU)
2042	15.8	7.95	9.69	97.6	465	0.0

Field Observations

(See attached "Field Observations" sheet for standard comments and further guidance)

Air Temp (°C) n/a	Algae % Filamentous 0	% Periphyton 0	Dominant Substrate K	Weather Overcast, Raining
% Bank Vegetation Left Bank 0	Right Bank 0	% Shading 100	Water Color Clear	Instream Activity None
			Odor None	Foreign Matter Warm

Flow Data

Flow Start Time **2043** End Time **2044**

	Path#	Path#	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)
Width at TOP (ft)								
Width at MIDDLE (ft)								
Width at BOTTOM (ft)								
Depth at 25% at TOP (ft in)								
Depth at 50% at TOP (ft in)								
Depth at 75% at TOP (ft in)								
Depth at 25% at MIDDLE (ft in)								
Depth at 50% at MIDDLE (ft in)								
Depth at 75% at MIDDLE (ft in)								
Depth at 25% at BOTTOM (ft in)								
Depth at 50% at BOTTOM (ft in)								
Depth at 75% at BOTTOM (ft in)								
Distance marked-off (ft)								
Flow time #1 (sec)								
Flow time #2 (sec)								
Flow time #3 (sec)								

Reason if flow not measured:
Markhole (estimate)

Additional Notes or Comments

Wildlife present? Non-contact recreation? (If present, describe below)

Sampler set to start at 2330 on 1/24/13. 100 ml / 20 min; 90 cycles. Head=3ft, Total tube length=7ft; At 1013 on 1/25/13, verified that sample was being collected and placed in ice on sample. Sampler stopped at 2036. Depth=0.1ft; Width=0.6ft; Velocity=2.5ft/s

Sampling Data Log Sheet

Site: **Island Outlet - Vermont Ave/ Sepulveds Blvd**

GPS Reference

GPS Readings

Site Id: **30 VAND**

Sample Region: **LWA**

Latitude: **33.8083**

33.81565

Longitude: **-118.2883**

-118.28764

Personnel: *Baycat (LWA), Greg (LWA)* Date: *01/25/13*

Time: *1751*

Pictures: *17*

Samples Collected

Intermediate container used to transfer water to sample bottles?

Sample ID	Time	Sample Depth (ft)	Analytes	Bottle Count	Notes
<input checked="" type="checkbox"/> MLMRP-004-30_VAND-02			Water Composite	1	

Field Measured Data

(Note: At Tox sites, If EC > 3000 uS/cm, collect an additional container)

Time	Temp(°C)	pH	D.O.(mg/L)	D.O.(%Sat)	Sp.Cond(uS/cm)	Turbidity(NTU)
<i>1751</i>	<i>16.43</i>	<i>7.90</i>	<i>8.28</i>	<i>84.0</i>	<i>160.3</i>	<i>82.7</i>

Field Observations

(See attached "Field Observations" sheet for standard comments and further guidance)

Air Temp (°C)	Algae % Filamentous	% Periphyton	Dominant Substrate
<i>n/a</i>	<i>0</i>	<i>40</i>	<i>Kn</i>
% Bank Vegetation		% Shading	
Left Bank	Right Bank		
<i>0</i>	<i>0</i>	<i>5</i>	

Weather	<i>Raining, Overcast</i>
Water Color	<i>Brown</i>
Instream Activity	<i>None</i>
Odor	<i>None</i>
Foreign Matter	<i>Trash, Leaf litter</i>

Flow Data

Flow Start Time *1751* End Time *1756*

	Path#	Path#
Width at TOP (ft)		
Width at MIDDLE (ft)		
Width at BOTTOM (ft)		
Depth at 25% at TOP (ft in)		
Depth at 50% at TOP (ft in)		
Depth at 75% at TOP (ft in)		
Depth at 25% at MIDDLE (ft in)		
Depth at 50% at MIDDLE (ft in)		
Depth at 75% at MIDDLE (ft in)		
Depth at 25% at BOTTOM (ft in)		
Depth at 50% at BOTTOM (ft in)		
Depth at 75% at BOTTOM (ft in)		
Distance marked-off (ft)		
Flow time #1 (sec)		
Flow time #2 (sec)		
Flow time #3 (sec)		

R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)
<i>0</i>	<i>0</i>	<i>0</i>	<i>3.9</i>	<i>0.20</i>	<i>1.01</i>
<i>0.3</i>	<i>0.25</i>	<i>0.92</i>	<i>4.2</i>	<i>0.20</i>	<i>0.91</i>
<i>0.6</i>	<i>0.25</i>	<i>0.95</i>	<i>4.5</i>	<i>0</i>	<i>0</i>
<i>0.9</i>	<i>0.25</i>	<i>1.07</i>			
<i>1.2</i>	<i>0.25</i>	<i>1.08</i>			
<i>1.5</i>	<i>0.20</i>	<i>1.31</i>			
<i>1.8</i>	<i>0.20</i>	<i>1.33</i>			
<i>2.1</i>	<i>0.20</i>	<i>1.39</i>			
<i>2.4</i>	<i>0.20</i>	<i>1.30</i>			
<i>2.7</i>	<i>0.20</i>	<i>1.22</i>			
<i>3.0</i>	<i>0.20</i>	<i>1.12</i>			
<i>3.3</i>	<i>0.20</i>	<i>1.14</i>			
<i>3.6</i>	<i>0.20</i>	<i>1.13</i>			

Reason if flow not measured:

Additional Notes or Comments

Wildlife present? Non-contact recreation? (If present, describe below)

Sampler programmed to begin at 0315 on 1/24/13. 100 mL / 20 minutes. 90 cycles. Head=11 ft; Total tube length=13 ft; At 0830, verified that there was some sample that had been collected and placed in ice on sample. At 1520 on 1/25/13, it was discovered that the auto sampler had been stolen. The Police Report Number is 913-00842-1697-089 (LA County Sheriff's Dept.)

Machado Lake Nutrient TMDL Sampling

Sampling Data Log Sheet

Site: **Field Blanks**

Site Id: **TAHOE**

Sample Region: **LWA**

GPS Reference

GPS Readings

Latitude: **33.8083**

33.81566

Longitude: **-118.2983**

-118.28764

Personnel: **Noyant, Greg**

Date: **1/25/13**

Time: **1700**

Pictures: **0**

Samples Collected

Intermediate container used to transfer water to sample bottles?

Sample ID	Time	Sample Depth (ft)	Analytes	Bottle Count	Notes
<input checked="" type="checkbox"/> MLMRP-004-TAHOE-03	1700	—	Diss Phosphorus, OrthoP, Nitrate, Nitrite	1	Field Blank
<input checked="" type="checkbox"/> MLMRP-004-TAHOE-04	1700	—	Total Kjeldahl Nitrogen	1	Field Blank
<input checked="" type="checkbox"/> MLMRP-004-TAHOE-05	1700	—	Ammonia-N, Total Phosphorus	1	Field Blank

Field Measured Data

(Note: At Tox sites, If EC > 3000 uS/cm, collect an additional container)

Time	Temp(°C)	pH	D.O.(mg/L)	D.O.(%Sat)	Sp.Cond(uS/cm)	Turbidity(NTU)
—	—	—	—	—	—	—

Field Observations

(See attached "Field Observations" sheet for standard comments and further guidance)

Air Temp (°C)	Algae % Filamentous	Algae % Periphyton	Dominant Substrate	Weather
—	—	—	—	—
% Bank Vegetation		% Shading		Water Color
Left Bank	Right Bank	—	—	—
—	—	—	—	—
				Instream Activity
				—
				Odor
				—
				Foreign Matter
				—

Flow Data

Flow Start Time End Time

	Path#	Path#	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)
Width at TOP (ft)								
Width at MIDDLE (ft)								
Width at BOTTOM (ft)								
Depth at 25% at TOP (ft in)								
Depth at 50% at TOP (ft in)								
Depth at 75% at TOP (ft in)								
Depth at 25% at MIDDLE (ft in)								
Depth at 50% at MIDDLE (ft in)								
Depth at 75% at MIDDLE (ft in)								
Depth at 25% at BOTTOM (ft in)								
Depth at 50% at BOTTOM (ft in)								
Depth at 75% at BOTTOM (ft in)								
Distance marked-off (ft)								
Flow time #1 (sec)								
Flow time #2 (sec)								
Flow time #3 (sec)								

Reason if flow not measured:

Field Blank

Additional Notes or Comments

Wildlife present? Non-contact recreation? (If present, describe below)

Sampling Data Log Sheet

Site: **Field Duplicates**

Site Id: **DUPREE**

Sample Region: **LWA**

Personnel: *Bryant, Greg (LWA)*

Date: *4/25/13*

Time: *2106*

Pictures: *0*

GPS Reference

Latitude: *33.7831*

Longitude: *-118.3537*

GPS Readings

33.78303

-118.35373

Samples Collected Intermediate container used to transfer water to sample bottles?

Sample ID	Time	Sample Depth (ft)	Analytes	Bottle Count	Notes
<input checked="" type="checkbox"/> MLMRP-004-DUPREE-06	<i>2106</i>	<i>n/a</i>	Water Composite	1	Field Duplicate

Field Measured Data (Note: At Tox sites, If EC > 3000 uS/cm, collect an additional container)

Time	Temp(°C)	pH	D.O.(mg/L)	D.O.(%Sat)	Sp.Cond(uS/cm)	Turbidity(NTU)
<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>

Field Observations (See attached "Field Observations" sheet for standard comments and further guidance)

Air Temp (°C) <i>—</i>	Algae % Filamentous <i>—</i> % Periphyton <i>—</i>	Dominant Substrate <i>—</i>	Weather <i>—</i>
% Bank Vegetation Left Bank <i>—</i> Right Bank <i>—</i>	% Shading <i>—</i>	Water Color <i>—</i>	Instream Activity <i>—</i>
		Odor <i>—</i>	Foreign Matter <i>—</i>

Flow Data Flow Start Time End Time

	Path# <i>—</i>	Path# <i>—</i>	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)	R. Bank Dist (ft)	Depth (ft)	Velocity (ft/sec)
Width at TOP (ft)								
Width at MIDDLE (ft)								
Width at BOTTOM (ft)								
Depth at 25% at TOP (ft in)								
Depth at 50% at TOP (ft in)								
Depth at 75% at TOP (ft in)								
Depth at 25% at MIDDLE (ft in)								
Depth at 50% at MIDDLE (ft in)								
Depth at 75% at MIDDLE (ft in)								
Depth at 25% at BOTTOM (ft in)								
Depth at 50% at BOTTOM (ft in)								
Depth at 75% at BOTTOM (ft in)								
Distance marked-off (ft)								
Flow time #1 (sec)								
Flow time #2 (sec)								
Flow time #3 (sec)								

Reason if flow not measured:
Field Dup

Additional Notes or Comments

Wildlife present? Non-contact recreation? (If present, describe below)

