



*Ventura Countywide
Stormwater Quality
Management Program*

2014-2015
Permit Year

Ventura Countywide Stormwater Quality
Management Program Annual Report

Attachment E13

Reassessment and Delisting of Ammonia
and Absence of Impairment for Other
Nitrogen Compounds in the Santa Clara
River Reach 3



Camarillo
County of Ventura
Fillmore
Moorpark
Ojai
Oxnard
Port Hueneme
Santa Paula
Simi Valley
Thousand Oaks
Ventura

Ventura County Watershed Protection District

December 14, 2015



June 4, 2015

Mr. Sam Unger, Executive Officer
Los Angeles Regional Water Quality Control Board
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

Subject: REASSESSMENT AND DELISTING OF AMMONIA AND ABSENCE OF IMPAIRMENT FOR OTHER NITROGEN COMPOUNDS IN THE SANTA CLARA RIVER REACH 3

Dear Mr. Unger:

The County of Ventura and Cities of Fillmore and Santa Paula appreciate the opportunity to provide the following information to support the reassessment and request for delisting of Santa Clara River Reach 3 for ammonia and to demonstrate the absence of impairments for nitrogen compounds in the Santa Clara River Reach 3, despite the current TMDL. A number of projects have been completed including significant Publicly Owned Treatment Works (POTWs) updates that no longer discharge to the Lower Santa Clara River.

Santa Clara River Reach 3 was placed on the 2002 California Clean Water Act Section 303(d) List of Impaired Waters (303(d) List) for ammonia. Subsequent to the 303(d) listing, the Santa Clara River Nitrogen Compounds TMDL (TMDL) was approved by the Los Angeles Regional Water Quality Control Board on August 7, 2003 and became effective on March 18, 2004 to address the listing. The TMDL also included targets and allocations for nitrate+nitrite as N even though no exceedances of the objectives were observed in the waterbody. The TMDL has been incorporated into the Ventura Countywide Municipal Separate Storm Sewer System (MS4) Permit (NPDES No. CAS004002), adopted in 2010.

Based on the memorandum dated November 12, 2013 related to the California Integrated Report Update, the next integrated report for the Los Angeles Region (4) will be forthcoming in 2016. The data analysis and discussion herein are intended to demonstrate that there is no impairment for any nitrogen compounds within Reach 3. The information can be utilized to support a delisting for ammonia in Reach 3 during the next integrated reporting process. The ammonia delisting discussed herein is a high priority for the Santa Clara River Watershed



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and we are requesting the analysis and consideration for delisting be included in the 2016 Integrated Report. As specified in the memorandum, the data will be uploaded to the California Environmental Data Exchange Network (CEDEN) to facilitate the evaluation. Additionally, the analysis should support the removal of the TMDL Wasteload Allocations (WLAs) from the upcoming MS4 permit reissuance in 2015.

Available monitoring data collected since the TMDL became effective in 2004 has been reviewed, and the resulting analyses are presented in two parts. Part 1 of this letter presents a review of monitoring data to determine if the reach continues to exceed applicable water quality objectives for ammonia or qualifies for delisting under the 2004 Water Quality Control Policy for Developing California Clean Water Act Section 303(d) List (Listing Policy). In Part 2, a comparison of the nutrient data to numeric targets and MS4 WLAs for ammonia and nitrate plus nitrite nitrogen included in the TMDL is presented. Attachment 1 provides the data to support the conclusions presented in Part 1 and Part 2 of this letter.

PART 1: REASSESSMENT AND DELISTING OF AMMONIA IN SANTA CLARA RIVER REACH 3

Data Used in the Analysis

Water Quality data from April 2004 to December 2014 were collected from the mass emission station ME-SCR, located approximately 2.5 miles upstream of the river crossing at California State Route 118. The data period includes 54 samples and is representative of current conditions. Samples were collected throughout the year at the monitoring location under wet and dry conditions.

Additionally, data collected by the Southern California Stormwater Monitoring Coalition on June 1, 2010 was available for the Santa Clara River station located in Reach 3, located approximately 4 miles upstream of South Mountain Road in Santa Paula. The data was downloaded from the California Environmental Data Exchange Network (CEDEN).

Samples were analyzed for ammonia, pH and temperature according to EPA analytical methods, or using a field meter, as presented in Attachment 1.

Comparison of Data to Water Quality Criteria

Ammonia results were compared to the temperature and pH dependent water quality criteria as established in Table 3-1 and 3-2 of the Water Quality Control Plan for the Los Angeles Basin (Basin Plan). Applicable water quality criteria are shown in Table 1.



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Table 1: Water Quality Objectives for Analysis of Santa Clara River Reach 3

Constituent	Units	Objective	Equation
Ammonia as N	mg/L	One-hour Average ^a	$\frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$
		30-day Average ^{b,c}	$\left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028 * (25 - T)})$

- a. One-hour average objective for freshwaters with designated beneficial uses of COLD and MIGR.
- b. 30-day average objective for freshwaters subject to the "Early Life Stage Present" condition
- c. Temperature units are degrees Celsius

The freshwater one-hour average objective is dependent on pH and fish species (salmonids present or absent), but not temperature. It is assumed that salmonids are present in waters designated in the Basin Plan as COLD or MIGR. Table 2-1 of the Basin Plan designates Santa Clara River Reach 3 as MIGR. The freshwater 30-day average objective is dependent on pH, temperature in degrees Celsius, and the presence or absence of early life stages (ELS) of fish. According to the Basin Plan, Santa Clara River Reach 3 is subject to "ELS Present" conditions year-round.

Comparison of Exceedances to Listing Policy

The number of exceedances shown in Table 2 was compared to the requirements for delisting presented in Section 4 of the Listing Policy. Table 4.1 of the Listing Policy indicates that for toxicants, if the sample size is between 48 and 59, the number of exceedances must be less than or equal to four for the constituent to be considered for delisting.

Table 2: Summary of Objective Exceedances, Data Collected from 2004-2014

	Number of Exceedances		Allowed Maximum Number of Exceedances
	One-hour Average	30-Day Average	
Dry Weather (n = 20)	0	0	4
Wet Weather (n = 35)	0	1	4
Total (n = 55)			
Allowable Exceedances = 4	0	1	4

As shown in Table 2, there were zero exceedances for the one-hour average objective and one exceedance of the 30-day average objective for the 55 samples analyzed. As a result, the available data collected since 2004 shows that Santa Clara River Reach 3 should be delisted per the 2004 Listing Policy.



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Attachment 1 to this letter includes the data used to determine the number of exceedances of the applicable water quality objective.

PART 2: DEMONSTRATION OF COMPLIANCE WITH SANTA CLARA RIVER NITROGEN COMPOUNDS TMDL IN SANTA CLARA RIVER REACH 3

Data Used in the Analysis

Receiving Water Data

Water quality data from April 2004 to December 2014 were collected from the mass emission station ME-SCR, located approximately 2.5 miles upstream of the river crossing at California State Route 118. The data period includes 54 samples and is representative of current conditions. Samples were collected throughout the year at the monitoring location under wet and dry conditions.

Additionally, data collected by the Southern California Stormwater Monitoring Coalition on June 1, 2010 was available for the Santa Clara River station located in Reach 3, located approximately 4 miles upstream of South Mountain Road in Santa Paula. The data was downloaded from the California Environmental Data Exchange Network (CEDEN).

Samples were analyzed for ammonia, nitrate nitrogen and nitrite nitrogen according to EPA analytical methods, as presented in Attachment 1.

Outfall Data

Water quality data from October 2010 to December 2014 were collected from the major outfall stations MO-SPA and MO-FIL, discharging to Santa Clara River Reach 3. The data period includes 19 samples from MO-FIL and 17 samples from MO-SPA, and is representative of current conditions. Samples were collected throughout the year at the monitoring locations under wet and dry conditions.

Samples were analyzed for ammonia, nitrate nitrogen and nitrite nitrogen according to EPA analytical methods. Analytical methods are included in Attachment 1.

Comparison of Data to TMDL Water Quality Criteria

Ammonia and nitrate plus nitrite nitrogen results from ME-SCR were compared to TMDL numeric targets for Santa Clara River Reach 3 below Santa Paula. Results from MO-FIL and MO-SPA were compared to WLAs for permitted MS4 discharges to Reach 3. These targets and allocations are summarized in Table 3.



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Table 3: Santa Clara River Reach 3 Nitrogen Compounds TMDL Targets and MS4 WLAs

Constituent	Value	
Numeric Target		
Ammonia as N ^{a, b}	One-hour average	2.2 mg/L
	30-day average	1.7 mg/L
Nitrate plus Nitrite as N	30-day average	4.5 mg/L
MS4 Wasteload Allocations		
Ammonia as N	One-hour average	4.2 mg/L
	30-day average	2.0 mg/L
Nitrate plus Nitrite as N	30-day average	8.1 mg/L

- a. Shall not exceed more than once every three years on average (California Regional Water Quality Control Board, Los Angeles Region. *Santa Clara River, Total Maximum Daily Loads for Nitrogen Compounds, Staff Report*. June 16, 2003).
- b. Targets for Reach 3 below Santa Paula were used for this analysis as they are more conservative than targets at and above Santa Paula.

The number of exceedances of applicable TMDL targets and allocations shown in Table 4 is presented in Table 4 and Table 5.

As shown in Table 4, there was one exceedance out of 55 samples for the 30-day average ammonia objective, and zero exceedances for the one-hour average ammonia objective. There were three exceedances of the 30-day average objective for nitrate plus nitrite nitrogen. The wet weather exceedances of the 30-day average objectives for ammonia and nitrate plus nitrite nitrogen were based on only one sample within the 30 day period, and are not representative of 30-day average conditions.

The TMDL includes numeric targets for nitrate plus nitrite nitrogen in Reach 3, though Reach 3 is not listed on the 303(d) list for nitrate plus nitrite nitrogen. Table 3.2 of the Listing Policy indicates that for conventionals and other constituents, if the sample size is between 55 and 60, the number of exceedances must be less than or equal to 10 for the constituent to be listed on the 303(d) List. There have been only three exceedances of the TMDL target of 4.5 mg/L for nitrate plus nitrite nitrogen. Of note, the TMDL target is more conservative than the Basin Plan objective for nitrate plus nitrogen in Reach 3 (5 mg/L) because it includes a margin of safety. Based on the analysis presented in Table 4, Reach 3 does not meet the requirements in the Listing Policy to include nitrate plus nitrite nitrogen on the 303(d) list and is not considered to be impaired.



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Table 4: Summary of TMDL Target Exceedances at ME-SCR, Data collected 2004-2014

Constituent	Number of Samples	Number of Exceedances	
		One-hour average	30-day average
Ammonia as N			
Dry Weather	20	0	0
Wet Weather	35	1	1
Total	55	1	1
Nitrate plus Nitrite as N			
		30-day average	
Dry Weather	20	0	
Wet Weather	35	3	
Total	55	3	

As shown in Table 5, there were zero exceedances for the ammonia and nitrate plus nitrite WLAs at MO-FIL. There was one exceedance of the 30-day average ammonia objective at MO-SPA, and zero exceedances of the one-hour average ammonia WLA and the 30-day average nitrate plus nitrite nitrogen WLA. The wet weather exceedance of the 30-day average objective at MO-SPA for ammonia was based on only one sample for the 30 day period, and is not representative of 30-day average conditions. Based on data collected in the receiving water, which met TMDL targets, the exceedance of the 30 day WLA for ammonia at MO-SPA did not cause an exceedance in the receiving waters. The exceedance occurred on December 8, 2013, and receiving water exceedances for ammonia occurred in 2007.



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Table 5: Summary of TMDL WLA Exceedances at MO-SPA and MO-FIL, Data collected 2010-2014

Site	Constituent	Number of Samples	Number of Exceedances	
			One-hour average	30-day average
MO-FIL	Ammonia as N			
	Dry Weather	4	0	0
	Wet Weather	15	0	0
	Total	19	0	0
	Nitrate plus Nitrite as N		30-day average	
	Dry Weather	4	0	
	Wet Weather	14	0	
	Total	18	0	
	MO-SPA	Ammonia as N		
Dry Weather		2	0	0
Wet Weather		15	0	1
Total		17	0	1
Nitrate plus Nitrite as N			30-day average	
Dry Weather		2	0	
Wet Weather		15	0	
Total		17	0	

The Ventura Countywide MS4 Permit requires that County of Ventura and Cities of Fillmore and Santa Paula implement best management practices (BMPs) to achieve the WLAs listed in Table 3. Based on the analysis presented in Table 5, WLAs are being met and are not contributing to exceedances of TMDL numeric targets or Basin Plan objectives in the receiving water. Current BMPs appear to be sufficient to meet permit WLAs, and WLAs should be considered for removal from the permit during the upcoming permit cycle.

Attachment 1 to this letter includes the data used to determine the number of exceedances of the applicable water quality objective.

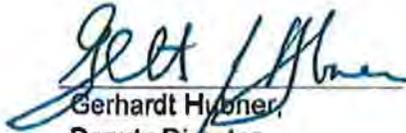
Thank you for your time and consideration of our request for delisting Santa Clara River Reach 3 for ammonia. We will be happy to meet and discuss this request at your convenience. We are looking forward to a written response to this request.



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If you have any questions, please contact Gerhardt Hubner at (805) 654-5051.

Sincerely,



Gerhardt Hubner,
Deputy Director
Ventura County
Watershed Protection
District



Rigo Landeros,
Public Works Director
City of Fillmore



Brian Yanez,
Public Works Director
City of Santa Paula

CC: Renee Purdy, Los Angeles Regional Water Quality Control Board
Jenny Newman, Los Angeles Regional Water Quality Control Board
Tully Clifford, Ventura County Watershed Protection District
Ewelina Mutkowska, Ventura County Public Works Agency
Caesar Hernandez, City of Santa Paula



Attachment 1: Data to Support Delisting and Impairment Evaluation

Site: ME-SCR: Mass Emission station
Program: VCWPD NPDES Stormwater Monitoring Program
Latitude: 34.29917
Longitude: -119.10722

Site: MO-FIL: Major Outfall
Program: VCWPD NPDES Stormwater Monitoring Program
Latitude: 34.404586
Longitude: -118.930686

Site: MO-SPA: Major Outfall
Program: VCWPD NPDES Stormwater Monitoring Program
Latitude: 34.348608
Longitude: -119.055506

Site: 403S05247: Santa Clara River
Program: Southern California Stormwater Monitoring Coalition (data obtained through CEDEN)
Latitude: 34.369316
Longitude: -118.9873886

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	ME-SCR	2003/04-4	4/14/2004	Grab	pH	7.7	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2003/04-4	4/14/2004	Grab	pH	7.92	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2003/04-4	4/14/2004	Grab	Temperature	16.2	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2003/04-4	4/14/2004	Grab	Ammonia as N	0.5	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2003/04-5	5/27/2004	Grab	pH	7.9	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2003/04-5	5/27/2004	Grab	Temperature	18.2	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2003/04-5	5/27/2004	Grab	Ammonia as N	0.51	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2003/04-6	6/14/2004	Grab	pH	8.3	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2003/04-6	6/14/2004	Grab	Temperature	19.8	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2003/04-6	6/14/2004	Grab	Ammonia as N	0.05	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2004/05-1	10/17/2004	Grab	pH	7.4	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2004/05-1	10/17/2004	Grab	Temperature	18.2	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2004/05-1	10/17/2004	Grab	Ammonia as N	0.5	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2004/05-2	10/27/2004	Grab	pH	7.46	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2004/05-2	10/27/2004	Grab	Temperature	12.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2004/05-2	10/27/2004	Grab	Ammonia as N	0.21	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2004/05-3	12/5/2004	Grab	pH	8	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2004/05-3	12/5/2004	Grab	Temperature	11.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2004/05-3	12/5/2004	Grab	Ammonia as N	0.75	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2004/05-4	1/8/2005	Grab	pH	7.71	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2004/05-4	1/8/2005	Grab	Temperature	9.7	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2004/05-4	1/8/2005	Grab	Ammonia as N	0.03	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2004/05-5	5/3/2005	Grab	pH	8.3	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2004/05-5	5/3/2005	Grab	Temperature	18	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2004/05-5	5/3/2005	Grab	Ammonia as N	0.08	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2004/05-6	6/22/2005	Grab	pH	8.31	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2004/05-6	6/22/2005	Grab	Temperature	20.3	°C	Field Meter		0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	ME-SCR	2004/05-6	6/22/2005	Grab	Ammonia as N	0.01	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2005/06-1	10/17/2005	Grab	pH	8.25	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2005/06-1	10/17/2005	Grab	Temperature	17.4	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2005/06-1	10/17/2005	Grab	Ammonia as N	0.1	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2005/06-2	11/9/2005	Grab	pH	8.2	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2005/06-2	11/9/2005	Grab	Temperature	16.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2005/06-2	11/9/2005	Grab	Ammonia as N	0.06	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2005/06-3	2/19/2006	Grab	pH	8.3	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2005/06-3	2/19/2006	Grab	Temperature	9.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2005/06-3	2/19/2006	Grab	Ammonia as N	0.06	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2005/06-4	2/27/2006	Grab	pH	7.7	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2005/06-4	2/27/2006	Grab	Temperature	11.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2005/06-4	2/27/2006	Grab	Ammonia as N	0.25	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2005/06-5	5/31/2006	Grab	pH	8.3	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2005/06-5	5/31/2006	Grab	Temperature	24	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2005/06-5	5/31/2006	Grab	Ammonia as N	0.03	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2005/06-6	6/13/2006	Grab	pH	8.3	pH Units	EPA 150.1		0.01	VCWPD
Dry	ME-SCR	2005/06-6	6/13/2006	Grab	pH	8.16	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2005/06-6	6/13/2006	Grab	Temperature	24.4	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2005/06-6	6/13/2006	Grab	Ammonia as N	0.04	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2006/07-1	12/10/2006	Grab	pH	8	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2006/07-1	12/10/2006	Grab	pH	8.19	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2006/07-1	12/10/2006	Grab	Temperature	13.2	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2006/07-1	12/10/2006	Grab	Ammonia as N	0.43	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2006/07-2	1/27/2007	Grab	pH	8.02	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2006/07-2	1/27/2007	Grab	Temperature	13.3	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2006/07-2	1/27/2007	Grab	Ammonia as N	0.72	mg/L	SM 4500-NH3 F	0.01		VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2006/07-3	2/22/2007	Grab	pH	8.2	pH Units	EPA 150.1		0.01	VCWPD
Wet	ME-SCR	2006/07-3	2/22/2007	Grab	Temperature	15.6	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2006/07-3	2/22/2007	Grab	Ammonia as N	0.2	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2006/07-4	4/20/2007	Grab	pH	8	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2006/07-4	4/20/2007	Grab	pH	7.6	pH Units	SM 4500-H+ B		0.1	VCWPD
Wet	ME-SCR	2006/07-4	4/20/2007	Grab	Temperature	14.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2006/07-4	4/20/2007	Grab	Ammonia as N	0.58	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2006/07-5	5/15/2007	Grab	pH	8.3	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2006/07-5	5/15/2007	Grab	pH	8.2	pH Units	SM 4500-H+ B		0.1	VCWPD
Dry	ME-SCR	2006/07-5	5/15/2007	Grab	Temperature	17.7	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2006/07-5	5/15/2007	Grab	Ammonia as N	0.3	mg/L	SM 4500-NH3 F	0.01		VCWPD
Dry	ME-SCR	2006/07-6	6/12/2007	Grab	pH	8.2	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2006/07-6	6/12/2007	Grab	pH	8.2	pH Units	SM 4500-H+ B		0.1	VCWPD
Dry	ME-SCR	2006/07-6	6/12/2007	Grab	Temperature	25.6	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2006/07-6	6/12/2007	Grab	Ammonia as N	0.22	mg/L	SM 4500-NH3 F	0.01		VCWPD
Wet	ME-SCR	2007/08-1	9/22/2007	Grab	pH	7.9	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2007/08-1	9/22/2007	Grab	pH	8	pH Units	SM 4500-H+ B		0.1	VCWPD
Wet	ME-SCR	2007/08-1	9/22/2007	Grab	Temperature	19.6	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2007/08-1	9/22/2007	Grab	Ammonia as N	0.03	mg/L	SM 4500-NH3 F	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-2	12/18/2007	Grab	pH	7.1	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2007/08-2	12/18/2007	Grab	pH	7.9	pH Units	SM 4500-H+ B		0.1	VCWPD
Wet	ME-SCR	2007/08-2	12/18/2007	Grab	Temperature	14.2	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2007/08-2	12/18/2007	Grab	Ammonia as N	13.5	mg/L	SM 4500-NH3 F	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-3	1/23/2008	Grab	pH	6.2	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2007/08-3	1/23/2008	Grab	pH	8	pH Units	SM 4500-H+ B		0.1	VCWPD
Wet	ME-SCR	2007/08-3	1/23/2008	Grab	Temperature	9.7	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2007/08-3	1/23/2008	Grab	Ammonia as N	0.45	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	ME-SCR	2007/08-4	4/18/2008	Grab	pH	8.1	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2007/08-4	4/18/2008	Grab	pH	8.1	pH Units	SM 4500-H+ B		0.1	VCWPD
Dry	ME-SCR	2007/08-4	4/18/2008	Grab	Temperature	16.5	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2007/08-4	4/18/2008	Grab	Ammonia as N	0.11	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Dry	ME-SCR	2007/08-5	5/21/2008	Grab	pH	8.21	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2007/08-5	5/21/2008	Grab	pH	8.3	pH Units	SM 4500-H+ B		0.1	VCWPD
Dry	ME-SCR	2007/08-5	5/21/2008	Grab	Temperature	24.1	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2007/08-5	5/21/2008	Grab	Ammonia as N	0.21	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Dry	ME-SCR	2007/08-6	6/12/2008	Grab	pH	8.06	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2007/08-6	6/12/2008	Grab	pH	8.4	pH Units	SM 4500-H+ B		0.1	VCWPD
Dry	ME-SCR	2007/08-6	6/12/2008	Grab	Temperature	26.2	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2007/08-6	6/12/2008	Grab	Ammonia as N	0.16	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Grab	pH	8.04	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Grab	pH	7.9	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Grab	Temperature	15.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Grab	Ammonia as N	0.4	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Wet	ME-SCR	2008/09-2	12/15/2008	Grab	pH	7.78	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2008/09-2	12/15/2008	Grab	pH	7.5	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2008/09-2	12/15/2008	Grab	Temperature	11.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2008/09-2	12/15/2008	Grab	Ammonia as N	0.08	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Wet	ME-SCR	2008/09-3	2/6/2009	Grab	pH	7.78	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2008/09-3	2/6/2009	Grab	pH	8.1	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2008/09-3	2/6/2009	Grab	Temperature	14.2	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2008/09-3	2/6/2009	Grab	Ammonia as N	0.91	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Wet	ME-SCR	2008/09-4	3/4/2009	Grab	pH	8.27	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2008/09-4	3/4/2009	Grab	pH	8.1	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2008/09-4	3/4/2009	Grab	Temperature	16.3	°C	Field Meter		0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2008/09-4	3/4/2009	Grab	Ammonia as N	0.24	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Dry	ME-SCR	2008/09-5	4/20/2009	Grab	pH	8.42	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2008/09-5	4/20/2009	Grab	pH	8.2	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Dry	ME-SCR	2008/09-5	4/20/2009	Grab	Temperature	18.3	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2008/09-5	4/20/2009	Grab	Ammonia as N	0.09	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Dry	ME-SCR	2008/09-6	6/22/2009	Grab	pH	7.88	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2008/09-6	6/22/2009	Grab	pH	7.9	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Dry	ME-SCR	2008/09-6	6/22/2009	Grab	Temperature	16.2	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2008/09-6	6/22/2009	Grab	Ammonia as N	0.8	mg/L	SM 4500-NH3 F	0.03	0.03	VCWPD
Wet	ME-SCR	2009/10-1	10/13/2009	Grab	pH	7.62	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2009/10-1	10/13/2009	Grab	pH	7.66	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2009/10-1	10/13/2009	Grab	Temperature	17.6	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2009/10-1	10/14/2009	Composite	Ammonia as N	0.34	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2009/10-2	12/7/2009	Grab	pH	7.8	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2009/10-2	12/7/2009	Grab	pH	7.78	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2009/10-2	12/7/2009	Grab	Temperature	12.3	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2009/10-2	12/8/2009	Composite	Ammonia as N	0.71	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2009/10-3A	2/20/2010	Grab	pH	8.19	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2009/10-3A	2/20/2010	Grab	pH	8.18	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2009/10-3A	2/20/2010	Grab	Temperature	11.1	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2009/10-3A	2/22/2010	Composite	Ammonia as N	0.22	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	ME-SCR	2009/10-4	3/17/2010	Grab	pH	8.17	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2009/10-4	3/17/2010	Grab	pH	8.01	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Dry	ME-SCR	2009/10-4	3/17/2010	Grab	Temperature	12	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2009/10-4	3/18/2010	Composite	Ammonia as N	0.32	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2010/11-1	10/6/2010	Grab	pH	7.91	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2010/11-1	10/6/2010	Grab	Temperature	16.7	°C	Field Meter		0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2010/11-1	10/7/2010	Composite	Ammonia as N	0.24	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2010/11-2	10/30/2010	Grab	pH	8.21	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2010/11-2	10/30/2010	Grab	Temperature	15.4	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2010/11-2	10/31/2010	Composite	Ammonia as N	ND	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2010/11-4	2/16/2011	Grab	pH	8.05	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2010/11-4	2/16/2011	Grab	Temperature	13.7	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2010/11-4	2/17/2011	Composite	Ammonia as N	0.2	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	ME-SCR	2010/11-5	4/28/2011	Grab	pH	8.13	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2010/11-5	4/28/2011	Grab	Temperature	16.1	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2010/11-5	4/28/2011	Composite	Ammonia as N	0.063	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2011/12-1	10/5/2011	Grab	pH	7.5	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2011/12-1	10/5/2011	Grab	Temperature	16.6	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2011/12-1	10/6/2011	Composite	Ammonia as N	0.14	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2011/12-2	1/21/2012	Grab	pH	8.2	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2011/12-2	1/21/2012	Grab	Temperature	13.4	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2011/12-2	1/21/2012	Composite	Ammonia as N	0.22	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2011/12-3	3/17/2012	Grab	pH	8.1	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2011/12-3	3/17/2012	Grab	Temperature	13.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2011/12-3	3/18/2012	Composite	pH	7.78	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	ME-SCR	2011/12-3	3/18/2012	Composite	Ammonia as N	0.9	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	ME-SCR	2011/12-4	5/22/2012	Grab	pH	8.19	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2011/12-4	5/22/2012	Grab	Temperature	17.2	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2011/12-4	5/22/2012	Composite	Ammonia as N	0.048	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2012/13-2	11/17/2012	Grab	pH	8.23	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2012/13-2	11/17/2012	Grab	Temperature	16.2	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2012/13-2	11/18/2012	Composite	Ammonia as N	0.13	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2012/13-3	2/19/2013	Grab	pH	8.06	pH Units	Field Meter		0.01	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2012/13-3	2/19/2013	Grab	Temperature	13.6	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2012/13-3	2/20/2013	Composite	Ammonia as N	ND	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2012/13-4	3/8/2013	Grab	pH	8.06	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2012/13-4	3/8/2013	Grab	Temperature	14.5	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2012/13-4	3/8/2013	Composite	Ammonia as N	0.59	mg/L	EPA 350.1	0.096	0.2	VCWPD
Dry	ME-SCR	2012/13-5	4/23/2013	Grab	pH	8.17	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2012/13-5	4/23/2013	Grab	Temperature	18	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2012/13-5	4/23/2013	Composite	Ammonia as N	ND	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2013/14-1	12/7/2013	Grab	pH	7.88	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2013/14-1	12/7/2013	Grab	Temperature	10.4	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2013/14-1	12/8/2013	Composite	Ammonia as N	0.13	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2013/14-2	2/6/2014	Grab	pH	7.99	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2013/14-2	2/6/2014	Grab	Temperature	12.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2013/14-2	2/7/2014	Composite	Ammonia as N	0.087	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2013/14-3	2/27/2014	Grab	pH	7.65	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2013/14-3	2/27/2014	Grab	Temperature	13.8	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2013/14-3	2/28/2014	Composite	Ammonia as N	0.71	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	ME-SCR	2013/14-4	4/23/2014	Grab	pH	7.94	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	2013/14-4	4/23/2014	Grab	Temperature	18	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2013/14-4	4/23/2014	Composite	Ammonia as N	ND	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	ME-SCR	2014/15-3	12/12/2014	Grab	pH	7.69	pH Units	Field Meter		0.01	VCWPD
Wet	ME-SCR	2014/15-3	12/12/2014	Grab	Temperature	18.9	°C	Field Meter		0.1	VCWPD
Wet	ME-SCR	2014/15-3	12/12/2014	Composite	Ammonia as N	1	mg/L	EPA 350.1	0.19	0.4	VCWPD
Dry	ME-SCR	SSA-01	1/29/2014	Grab	pH	7.66	pH Units	Field Meter		0.01	VCWPD
Dry	ME-SCR	SSA-01	1/29/2014	Grab	Temperature	11.1	°C	Field Meter		0.1	VCWPD
Dry	ME-SCR	2003/04-4	4/15/2004	Composite	Nitrate as N	0.49	mg/L	SM 4500-NO3 E	0.02		VCWPD
Dry	ME-SCR	2003/04-4	4/15/2004	Composite	Nitrite as N	0.11	mg/L	SM 4500-NO2 B	0.02		VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	ME-SCR	2003/04-5	5/28/2004	Composite	Nitrate as N	0.35	mg/L	SM 4500-NO3 E	0.02		VCWPD
Dry	ME-SCR	2003/04-5	5/28/2004	Composite	Nitrite as N	0.14	mg/L	SM 4500-NO2 B	0.02		VCWPD
Dry	ME-SCR	2003/04-6	6/15/2004	Composite	Nitrate as N	0.31	mg/L	SM 4500-NO3 E	0.02		VCWPD
Dry	ME-SCR	2003/04-6	6/15/2004	Composite	Nitrite as N	0.16	mg/L	SM 4500-NO2 B	0.02		VCWPD
Wet	ME-SCR	2004/05-1	10/19/2004	Composite	Nitrate as N	1.8	mg/L	SM 4500-NO3 E	0.02		VCWPD
Wet	ME-SCR	2004/05-1	10/19/2004	Composite	Nitrite as N	0.18	mg/L	SM 4500-NO2 B	0.02		VCWPD
Wet	ME-SCR	2004/05-2	10/28/2004	Composite	Nitrate as N	1.42	mg/L	SM 4500-NO3 E	0.02		VCWPD
Wet	ME-SCR	2004/05-2	10/28/2004	Composite	Nitrite as N	ND	mg/L	SM 4500-NO2 B	0.02		VCWPD
Wet	ME-SCR	2004/05-3	12/6/2004	Composite	Nitrate as N	1.99	mg/L	SM 4500-NO3 E	0.02		VCWPD
Wet	ME-SCR	2004/05-3	12/6/2004	Composite	Nitrite as N	0.08	mg/L	SM 4500-NO2 B	0.02		VCWPD
Wet	ME-SCR	2004/05-4	1/9/2005	Composite	Nitrate as N	4.8	mg/L	SM 4500-NO3 E	0.02		VCWPD
Wet	ME-SCR	2004/05-4	1/9/2005	Composite	Nitrite as N	0.19	mg/L	SM 4500-NO2 B	0.02		VCWPD
Dry	ME-SCR	2004/05-5	5/4/2005	Composite	Nitrate as N	1.3	mg/L	EPA 300.0	0.02		VCWPD
Dry	ME-SCR	2004/05-5	5/4/2005	Composite	Nitrite as N	ND	mg/L	EPA 300.0	0.02		VCWPD
Dry	ME-SCR	2004/05-6	6/23/2005	Composite	Nitrate as N	1.36	mg/L	EPA 300.0	0.02		VCWPD
Dry	ME-SCR	2004/05-6	6/23/2005	Composite	Nitrite as N	0.37	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-1	10/19/2005	Composite	Nitrate as N	1.69	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-1	10/19/2005	Composite	Nitrite as N	0.164	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-2	11/10/2005	Composite	Nitrate as N	1.88	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-2	11/10/2005	Composite	Nitrite as N	0.03	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-3	2/21/2006	Composite	Nitrate as N	2.35	mg/L	EPA 300.0	0.02		VCWPD
Wet	ME-SCR	2005/06-3	2/21/2006	Composite	Nitrite as N	0.27	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2005/06-4	3/1/2006	Composite	Nitrate as N	1.93	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2005/06-4	3/1/2006	Composite	Nitrite as N	0.28	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2005/06-5	6/1/2006	Composite	Nitrate as N	0.84	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2005/06-5	6/1/2006	Composite	Nitrite as N	0.03	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2005/06-6	6/14/2006	Composite	Nitrate as N	2.03	mg/L	EPA 300.0	0.01		VCWPD

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Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	ME-SCR	2005/06-6	6/14/2006	Composite	Nitrite as N	0.08	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-1	12/11/2006	Composite	Nitrate as N	2.6	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-1	12/11/2006	Composite	Nitrite as N	0.02	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2006/07-2	1/29/2007	Composite	Nitrate as N	2.46	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-2	1/29/2007	Composite	Nitrite as N	0.1	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-3	2/23/2007	Composite	Nitrate as N	1.8	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-3	2/23/2007	Composite	Nitrite as N	0.06	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-4	4/21/2007	Composite	Nitrate as N	1.86	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2006/07-4	4/21/2007	Composite	Nitrite as N	ND	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2006/07-5	5/16/2007	Composite	Nitrate as N	2.77	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2006/07-5	5/16/2007	Composite	Nitrite as N	0.56	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2006/07-6	6/13/2007	Composite	Nitrate as N	1.53	mg/L	EPA 300.0	0.01		VCWPD
Dry	ME-SCR	2006/07-6	6/13/2007	Composite	Nitrite as N	0.12	mg/L	EPA 300.0	0.01		VCWPD
Wet	ME-SCR	2007/08-1	9/24/2007	Composite	Nitrate as N	ND	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-1	9/24/2007	Composite	Nitrite as N	ND	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-2	12/20/2007	Composite	Nitrate as N	0.8	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-2	12/20/2007	Composite	Nitrite as N	ND	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-3	1/24/2008	Composite	Nitrate as N	1.68	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2007/08-3	1/24/2008	Composite	Nitrite as N	0.13	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-4	4/18/2008	Composite	Nitrate as N	1.01	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-4	4/18/2008	Composite	Nitrite as N	0.1	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-5	5/22/2008	Composite	Nitrate as N	1.09	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-5	5/22/2008	Composite	Nitrite as N	0.15	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-6	6/13/2008	Composite	Nitrate as N	0.98	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2007/08-6	6/13/2008	Composite	Nitrite as N	0.15	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Composite	Nitrate as N	2.17	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-1	11/26/2008	Composite	Nitrite as N	0.12	mg/L	EPA 300.0	0.01	0.05	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2008/09-2	12/16/2008	Composite	Nitrate as N	2.894	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-2	12/16/2008	Composite	Nitrite as N	0.118	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-3	2/7/2009	Composite	Nitrate as N	1.75	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-3	2/7/2009	Composite	Nitrite as N	0.11	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-4	3/5/2009	Composite	Nitrate as N	1.19	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2008/09-4	3/5/2009	Composite	Nitrite as N	0.07	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2008/09-5	4/21/2009	Composite	Nitrate as N	1.63	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2008/09-5	4/21/2009	Composite	Nitrite as N	0.11	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2008/09-6	6/23/2009	Composite	Nitrate as N	1.8	mg/L	EPA 300.0	0.01	0.05	VCWPD
Dry	ME-SCR	2008/09-6	6/23/2009	Composite	Nitrite as N	0.42	mg/L	EPA 300.0	0.01	0.05	VCWPD
Wet	ME-SCR	2009/10-1	10/14/2009	Composite	Nitrate + Nitrite as N	2.1	mg/L	EPA 353.2	0.033	0.1	VCWPD
Wet	ME-SCR	2009/10-2	12/8/2009	Composite	Nitrate + Nitrite as N	2.7	mg/L	EPA 353.2	0.033	0.1	VCWPD
Wet	ME-SCR	2009/10-3A	2/22/2010	Composite	Nitrate + Nitrite as N	1	mg/L	EPA 353.2	0.033	0.1	VCWPD
Dry	ME-SCR	2009/10-4	3/18/2010	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.033	0.1	VCWPD
Wet	ME-SCR	2010/11-1	10/7/2010	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2010/11-2	10/31/2010	Composite	Nitrate + Nitrite as N	0.22	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2010/11-4	2/17/2011	Composite	Nitrate + Nitrite as N	1.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	ME-SCR	2010/11-5	4/28/2011	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2011/12-1	10/6/2011	Composite	Nitrate + Nitrite as N	1.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2011/12-2	1/21/2012	Composite	Nitrate + Nitrite as N	1.7	mg/L	EPA 353.2	0.01	0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	ME-SCR	2011/12-3	3/18/2012	Composite	Nitrate + Nitrite as N	1.8	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	ME-SCR	2011/12-4	5/22/2012	Composite	Nitrate + Nitrite as N	1.3	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2012/13-2	11/18/2012	Composite	Nitrate + Nitrite as N	1.8	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2012/13-3	2/20/2013	Composite	Nitrate + Nitrite as N	1.5	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2012/13-4	3/8/2013	Composite	Nitrate + Nitrite as N	1.8	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	ME-SCR	2012/13-5	4/23/2013	Composite	Nitrate + Nitrite as N	1.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2013/14-1	12/8/2013	Composite	Nitrate + Nitrite as N	1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2013/14-2	2/7/2014	Composite	Nitrate + Nitrite as N	0.17	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2013/14-3	2/28/2014	Composite	Nitrate + Nitrite as N	4.6	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	ME-SCR	2013/14-4	4/23/2014	Composite	Nitrate + Nitrite as N	0.68	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	ME-SCR	2014/15-3	12/12/2014	Composite	Nitrate + Nitrite as N	8.9	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2010/11-1	10/6/2010	Grab	pH	7.85	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2010/11-1	10/6/2010	Grab	Temperature	17.4	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2010/11-1	10/7/2010	Composite	Ammonia as N	0.57	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2010/11-2	10/30/2010	Grab	pH	7.55	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2010/11-2	10/30/2010	Grab	Temperature	15.3	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2010/11-2	10/31/2010	Composite	Ammonia as N	0.33	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2010/11-4	2/16/2011	Grab	Temperature	14.4	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2010/11-4	2/17/2011	Composite	Ammonia as N	0.19	mg/L	EPA 350.1	0.048	0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	MO-FIL	2010/11-5	4/28/2011	Grab	pH	7.83	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2010/11-5	4/28/2011	Grab	Temperature	16.7	°C	Field Meter		0.1	VCWPD
Dry	MO-FIL	2010/11-5	4/28/2011	Composite	Ammonia as N	0.17	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2011/12-1	10/5/2011	Grab	pH	7.2	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2011/12-1	10/5/2011	Grab	Temperature	18.9	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2011/12-1	10/6/2011	Composite	Ammonia as N	0.35	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2011/12-2	1/21/2012	Grab	pH	7.54	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2011/12-2	1/21/2012	Grab	Temperature	16.2	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2011/12-2	1/21/2012	Composite	Ammonia as N	0.42	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2011/12-3	3/17/2012	Grab	pH	7.6	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2011/12-3	3/17/2012	Grab	Temperature	16.3	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2011/12-3	3/18/2012	Composite	pH	7.23	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD
Wet	MO-FIL	2011/12-3	3/18/2012	Composite	Ammonia as N	0.34	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2011/12-4	5/22/2012	Grab	pH	8.04	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2011/12-4	5/22/2012	Grab	Temperature	18.8	°C	Field Meter		0.1	VCWPD
Dry	MO-FIL	2011/12-4	5/22/2012	Composite	Ammonia as N	0.21	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2011-DRY	8/17/2011	Grab	pH	7.73	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2011-DRY	8/17/2011	Grab	Temperature	19.7	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2012/13-2	11/17/2012	Grab	pH	7.62	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2012/13-2	11/17/2012	Grab	Temperature	16	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2012/13-2	11/18/2012	Composite	Ammonia as N	0.55	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2012/13-3	2/19/2013	Grab	Temperature	16	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2012/13-3	2/19/2013	Grab	pH	7.74	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2012/13-3	2/20/2013	Composite	Ammonia as N	0.49	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2012/13-4	3/7/2013	Grab	pH	7.9	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2012/13-4	3/7/2013	Grab	Temperature	15	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2012/13-4	3/8/2013	Composite	Ammonia as N	0.34	mg/L	EPA 350.1	0.048	0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	MO-FIL	2012/13-5	4/23/2013	Grab	pH	7.37	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2012/13-5	4/23/2013	Grab	Temperature	17.7	°C	Field Meter		0.1	VCWPD
Dry	MO-FIL	2012/13-5	4/23/2013	Composite	Ammonia as N	0.42	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2012-DRY	8/15/2012	Grab	pH	7.81	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2012-DRY	8/15/2012	Grab	Temperature	21.1	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2013/14-1	12/7/2013	Composite	pH	8.1	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2013/14-1	12/7/2013	Composite	Temperature	11.1	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2013/14-1	12/8/2013	Composite	Ammonia as N	0.68	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2013/14-2	2/6/2014	Grab	pH	7.81	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2013/14-2	2/6/2014	Grab	Temperature	15.5	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2013/14-2	2/7/2014	Composite	Ammonia as N	0.83	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2013/14-3	2/27/2014	Grab	pH	7.7	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2013/14-3	2/27/2014	Grab	Temperature	14.5	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2013/14-3	2/28/2014	Composite	Ammonia as N	0.84	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2013/14-4	4/23/2014	Grab	pH	8.3	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2013/14-4	4/23/2014	Grab	Temperature	17.6	°C	Field Meter		0.1	VCWPD
Dry	MO-FIL	2013/14-4	4/23/2014	Composite	Ammonia as N	0.42	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2013-DRY	8/12/2013	Grab	pH	7.54	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2013-DRY	8/12/2013	Grab	Temperature	21	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2014/15-1	10/31/2014	Grab	pH	7.63	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2014/15-1	10/31/2014	Grab	Temperature	17.8	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2014/15-1	11/1/2014	Composite	Ammonia as N	0.66	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2014/15-2	12/2/2014	Grab	pH	7.2	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2014/15-2	12/2/2014	Grab	Temperature	15	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2014/15-2	12/3/2014	Composite	Ammonia as N	0.25	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-FIL	2014/15-3	12/12/2014	Grab	pH	7.77	pH Units	Field Meter		0.01	VCWPD
Wet	MO-FIL	2014/15-3	12/12/2014	Grab	Temperature	17	°C	Field Meter		0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	MO-FIL	2014/15-3	12/12/2014	Composite	Ammonia as N	0.16	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-FIL	2014-DRY	8/5/2014	Grab	pH	8.31	pH Units	Field Meter		0.01	VCWPD
Dry	MO-FIL	2014-DRY	8/5/2014	Grab	Temperature	21	°C	Field Meter		0.1	VCWPD
Wet	MO-FIL	2010/11-1	10/7/2010	Composite	Nitrate + Nitrite as N	1.2	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2010/11-2	10/31/2010	Composite	Nitrate + Nitrite as N	0.67	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2010/11-4	2/17/2011	Composite	Nitrate + Nitrite as N	0.68	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	MO-FIL	2010/11-5	4/28/2011	Composite	Nitrate + Nitrite as N	1.3	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2011/12-1	10/6/2011	Composite	Nitrate + Nitrite as N	1.3	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2011/12-2	1/21/2012	Composite	Nitrate + Nitrite as N	1.3	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2011/12-3	3/18/2012	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	MO-FIL	2011/12-4	5/22/2012	Composite	Nitrate + Nitrite as N	2.5	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2012/13-2	11/18/2012	Composite	Nitrate + Nitrite as N	1.6	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2012/13-3	2/20/2013	Composite	Nitrate + Nitrite as N	2	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2012/13-4	3/8/2013	Composite	Nitrate + Nitrite as N	1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	MO-FIL	2012/13-5	4/23/2013	Composite	Nitrate + Nitrite as N	2.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2013/14-2	2/7/2014	Composite	Nitrate + Nitrite as N	1.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2013/14-3	2/28/2014	Composite	Nitrate + Nitrite as N	1.3	mg/L	EPA 353.2	0.01	0.1	VCWPD

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Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Dry	MO-FIL	2013/14-4	4/23/2014	Composite	Nitrate + Nitrite as N	2.6	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2014/15-1	11/1/2014	Composite	Nitrate + Nitrite as N	2.8	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2014/15-2	12/3/2014	Composite	Nitrate + Nitrite as N	2	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-FIL	2014/15-3	12/12/2014	Composite	Nitrate + Nitrite as N	0.86	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2010/11-1	10/6/2010	Grab	Temperature	16.1	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2010/11-1	10/6/2010	Grab	pH	7.41	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2010/11-1	10/7/2010	Composite	Ammonia as N	1.3	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2010/11-2	10/30/2010	Grab	pH	7.51	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2010/11-2	10/30/2010	Grab	Temperature	14.8	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2010/11-2	10/30/2010	Composite	Ammonia as N	0.57	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2010/11-4	2/16/2011	Grab	Temperature	13.5	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2010/11-4	2/17/2011	Composite	Ammonia as N	0.31	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-SPA	2010/11-5	4/28/2011	Grab	pH	8.31	pH Units	Field Meter		0.01	VCWPD
Dry	MO-SPA	2010/11-5	4/28/2011	Grab	Temperature	15.2	°C	Field Meter		0.1	VCWPD
Dry	MO-SPA	2010/11-5	4/28/2011	Composite	Ammonia as N	ND	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2011/12-1	10/5/2011	Grab	pH	7.3	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2011/12-1	10/5/2011	Grab	Temperature	17.6	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2011/12-1	10/5/2011	Composite	Ammonia as N	0.81	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2011/12-2	1/21/2012	Grab	pH	7.38	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2011/12-2	1/21/2012	Grab	Temperature	14.1	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2011/12-2	1/21/2012	Composite	Ammonia as N	1	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2011/12-3	3/17/2012	Grab	pH	7.4	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2011/12-3	3/17/2012	Grab	Temperature	14.6	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2011/12-3	3/18/2012	Composite	pH	7.19	pH Units	SM 4500-H+ B	0.1	0.1	VCWPD

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Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	MO-SPA	2011/12-3	3/18/2012	Composite	Ammonia as N	0.56	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2012/13-2	11/17/2012	Grab	pH	7.42	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2012/13-2	11/17/2012	Grab	Temperature	15.2	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2012/13-2	11/18/2012	Composite	Ammonia as N	1.9	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2012/13-3	2/19/2013	Grab	pH	7.68	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2012/13-3	2/19/2013	Grab	Temperature	12.3	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2012/13-3	2/20/2013	Composite	Ammonia as N	1.4	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2012/13-4	3/7/2013	Grab	pH	7.24	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2012/13-4	3/7/2013	Grab	Temperature	14.8	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2012/13-4	3/8/2013	Composite	Ammonia as N	0.76	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2013/14-1	12/7/2013	Grab	pH	7.16	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2013/14-1	12/7/2013	Grab	Temperature	9.4	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2013/14-1	12/8/2013	Composite	Ammonia as N	2.7	mg/L	EPA 350.1	0.19	0.4	VCWPD
Wet	MO-SPA	2013/14-2	2/6/2014	Grab	pH	7.81	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2013/14-2	2/6/2014	Grab	Temperature	15.5	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2013/14-2	2/7/2014	Composite	Ammonia as N	1.3	mg/L	EPA 350.1	0.096	0.2	VCWPD
Wet	MO-SPA	2013/14-3	2/27/2014	Grab	pH	7.13	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2013/14-3	2/27/2014	Grab	Temperature	14.3	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2013/14-3	2/28/2014	Composite	Ammonia as N	0.64	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-SPA	2013/14-4	4/23/2014	Composite	Ammonia as N	0.4	mg/L	EPA 350.1	0.048	0.1	VCWPD
Dry	MO-SPA	2013-DRY	8/13/2013	Grab	pH	8.2	pH Units	Field Meter		0.01	VCWPD
Dry	MO-SPA	2013-DRY	8/13/2013	Grab	Temperature	18.9	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2014/15-1	11/1/2014	Composite	Ammonia as N	1.8	mg/L	EPA 350.1	0.096	0.2	VCWPD
Wet	MO-SPA	2014/15-2	12/2/2014	Grab	Temperature	14.7	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2014/15-2	12/2/2014	Grab	pH	6.26	pH Units	Field Meter		0.01	VCWPD
Wet	MO-SPA	2014/15-2	12/3/2014	Composite	Ammonia as N	0.25	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2014/15-3	12/12/2014	Grab	pH	7.49	pH Units	Field Meter		0.01	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	MO-SPA	2014/15-3	12/12/2014	Grab	Temperature	16.3	°C	Field Meter		0.1	VCWPD
Wet	MO-SPA	2014/15-3	12/12/2014	Composite	Ammonia as N	0.26	mg/L	EPA 350.1	0.048	0.1	VCWPD
Wet	MO-SPA	2010/11-1	10/7/2010	Composite	Nitrate + Nitrite as N	1.4	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2010/11-2	10/30/2010	Composite	Nitrate + Nitrite as N	1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2010/11-4	2/17/2011	Composite	Nitrate + Nitrite as N	0.6	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	MO-SPA	2010/11-5	4/28/2011	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2011/12-1	10/5/2011	Composite	Nitrate + Nitrite as N	1.8	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2011/12-2	1/21/2012	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2011/12-3	3/18/2012	Composite	Nitrate + Nitrite as N	0.6	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2012/13-2	11/18/2012	Composite	Nitrate + Nitrite as N	2.3	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2012/13-3	2/20/2013	Composite	Nitrate + Nitrite as N	1.2	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2012/13-4	3/8/2013	Composite	Nitrate + Nitrite as N	0.81	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2013/14-1	12/8/2013	Composite	Nitrate + Nitrite as N	1.7	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2013/14-2	2/7/2014	Composite	Nitrate + Nitrite as N	1.9	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2013/14-3	2/28/2014	Composite	Nitrate + Nitrite as N	1.1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Dry	MO-SPA	2013/14-4	4/23/2014	Composite	Nitrate + Nitrite as N	2.3	mg/L	EPA 353.2	0.01	0.1	VCWPD

Attachment 1: Data to Support Delisting and Impairment Evaluation

Event Type	Site	VCWPD Event ID	Sample Date	Sample Method	Constituent	Result	Units	Method	MDL	RL	Source
Wet	MO-SPA	2014/15-1	11/1/2014	Composite	Nitrate + Nitrite as N	2.9	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2014/15-2	12/3/2014	Composite	Nitrate + Nitrite as N	1	mg/L	EPA 353.2	0.01	0.1	VCWPD
Wet	MO-SPA	2014/15-3	12/12/2014	Composite	Nitrate + Nitrite as N	0.78	mg/L	EPA 353.2	0.01	0.1	VCWPD
*	403S05247	n/a	6/1/2010	Grab	Ammonia as N	ND	mg/L	SM 4500-NH3 H v21	0.01	0.02	CEDEN
*	403S05247	n/a	6/1/2010	Grab	pH	8.38	pH Units	Field Meter			CEDEN
*	403S05247	n/a	6/1/2010	Grab	Temperature	22.62	°C	Field Meter			CEDEN
*	403S05247	n/a	6/1/2010	Grab	Nitrate as N	0.25	mg/L	SM 4500-NO3 I v21	0.005	0.01	CEDEN
*	403S05247	n/a	6/1/2010	Grab	Nitrite as N	0.0042	mg/L	SM 4500-NO2 B v20	0.002	0.005	CEDEN

* Assumed to be dry weather samples based on weather data from CIMIS station #198 in Santa Paula