

From: Rachel West <rwest@mlj-llc.com>
To: Susan Fregien <sfregien@waterboards.ca.gov>
CC: Chris Jimmerson <cjimmerson@waterboards.ca.gov>, Francisca Johnson <fjoh...>
Date: 1/16/2012 8:56 AM
Subject: ESJWQC Field Exceedance Report- January 2012
Attachments: ESJ_FieldResults_Discharge_011012.xls; ESJWQC_Site_pictures_011012_Compressed.pdf

Dear Susan,

As required in the Monitoring and Reporting Program (Order No. R5-2008-0005) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On January 10, 2012 Normal Monitoring (NM) and Management Plan Monitoring (MPM) occurred at sites in the ESJWQC region. This was considered the first winter event of 2012. Field parameters were measured during this sampling event. During this monitoring event five sites were sampled as non contiguous waterbodies (Bear Creek @ Kibby Rd, Berenda Slough along Ave 18 1/2, Deadman Creek @ Gurr Rd, Dry Creek @ Rd 18 and Livingston Drain @ Robin Ave). There were three dry sites during this monitoring event (Cottonwood Creek @ Rd 20, Duck Slough @ Gurr Rd and McCoy Lateral @ Hwy 140). Exceedances of receiving water limitations for dissolved oxygen (DO), pH and specific conductance (SC) were detected. See attached Table 1 for details of field water quality trigger limit exceedances as well as the calculated discharge from each site. Site pictures taken from each of the monitoring sites during this event are also attached to this email as a pdf. Scanned copies of the field sheets are available upon request.

b.) Field parameters will be measured again at monitoring sites in the ESJWQC region on February 7, 2012.

c.) DO exceedances are common in the Coalition region and may be due to low flow and/or high levels of biological oxygen demand in the test drains (this may not be the case for all samples). Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH exceedances experienced during this monitoring event may be due to natural conditions of the waterbodies, among other possible sources. Measurements of SC are consistently high at some sites in the ESJWQC region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. All new exceedances requiring Management Plans as well as Management Plan Monitoring results will be evaluated in the ESJWQC annual Management Plan Update Report due April 1, 2013.

Mike Johnson

Thanks,

~~~~~  
 Rachel C. West  
 Environmental Scientist  
 Michael L. Johnson LLC  
 632 Cantrill Drive  
 Davis, CA 95618

Tel: 530-756-5200  
 Fax: 530-756-5225  
[rwest@mlj-llc.com](mailto:rwest@mlj-llc.com)

| Station Name                            | Station Code | Sample Date | Collection Time | Group                                               | Discharge, cfs | DO, 7 mg/L | pH   | SC, 700 µS/cm | Comments                                                                                                                                     |
|-----------------------------------------|--------------|-------------|-----------------|-----------------------------------------------------|----------------|------------|------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Bear Creek @ Kibby Rd                   | 535XBCAKR    | 1/10/2012   | 8:40            | Management Plan Monitoring, Non Contiguous, Winter1 | 0              |            |      |               | January Management Plan Monitoring for copper. Discharge recorded as zero due to non contiguous waterbody.                                   |
| Berenda Slough along Ave 18 1/2         | 545XBSAAE    | 1/10/2012   | 12:10           | Non Contiguous, Winter1                             | 0              |            |      |               | Discharge recorded as zero due to non contiguous waterbody.                                                                                  |
| Cottonwood Creek @ Rd 20                | 545XCCART    | 1/10/2012   | 9:46            | Management Plan Monitoring, Winter1                 |                |            |      |               | Dry site, no samples collected. January Management Plan Monitoring for diuron, chlorpyrifos, and copper.                                     |
| Deadman Creek (Dutchman) @ Gurr Rd      | 535XDCAGR    | 1/10/2012   | 14:30           | Management Plan Monitoring, Non Contiguous, Winter1 | 0              |            | 8.68 |               | January Management Plan Monitoring for copper and FH Minnow toxicity. Discharge recorded as zero due to non contiguous waterbody.            |
| Deadman Creek @ Hwy 59                  | 535DMCAHF    | 1/10/2012   | 13:40           | Management Plan Monitoring, Winter1                 | 0              |            | 8.66 |               | January Management Plan Monitoring for Selenastrum toxicity Discharge not measured due to no measurable flow.                                |
| Dry Creek @ Rd 18                       | 545XDCAE     | 1/10/2012   | 10:20           | Management Plan Monitoring, Non Contiguous, Winter1 | 0              |            |      |               | January Management Plan Monitoring for diuron, copper, and Selenastrum toxicity. Discharge recorded as zero due to non contiguous waterbody. |
| Dry Creek @ Wellsford Rd                | 535XDCAWR    | 1/10/2012   | 9:50            | Winter1                                             | 0              | 6.07       |      |               | Discharge recorded as zero due to no measurable flow.                                                                                        |
| Duck Slough @ Gurr Rd                   | 535XDSAGR    | 1/10/2012   | 14:57           | Management Plan Monitoring, Winter1                 |                |            |      |               | Dry site, no samples collected. January Management Plan Monitoring for copper.                                                               |
| Highline Canal @ Hwy 99                 | 535XHCHNN    | 1/10/2012   | 14:00           | Management Plan Monitoring, Winter1                 | 0              |            |      |               | January Management Plan Monitoring for diuron, chlorpyrifos, and copper. Discharge recorded as zero due to no measurable flow.               |
| Highline Canal @ Lombardy Rd            | 535XHCALR    | 1/10/2012   | 14:40           | Winter1                                             | NA             |            |      |               | Too deep to measure discharge.                                                                                                               |
| Lateral 3 along East Taylor Rd          | 535LTAETR    | 1/10/2012   | 10:50           | Winter1                                             | 3.93           | 4.5        |      | 768           |                                                                                                                                              |
| Levee Drain @ Carpenter Rd              | 535XLDACR    | 1/10/2012   | 11:50           | Winter1                                             | 0.23           |            |      | 1851          |                                                                                                                                              |
| McCoy Lateral @ Hwy 140                 | 535XMLAHO    | 1/10/2012   | 15:56           | Winter1                                             |                |            |      |               | Dry site, no samples collected.                                                                                                              |
| Livingston Drain @ Robin Ave            | 535XLDARA    | 1/10/2012   | 15:30           | Management Plan Monitoring, Non Contiguous, Winter1 | 0              |            |      |               | January Management Plan Monitoring for copper, lead, and chlorpyrifos Discharge recorded as zero due to non contiguous waterbody.            |
| Merced River @ Santa Fe                 | 535XMRSFD    | 1/10/2012   | 15:20           | Winter1                                             | 201            |            |      |               |                                                                                                                                              |
| Prairie Flower Drain @ Crows Landing Rd | 535XPFDC     | 1/10/2012   | 12:50           | Management Plan Monitoring, Winter1                 | 0.29           |            |      | 1669          | January Management Plan Monitoring for Selenastrum toxicity.                                                                                 |
| Rodden Creek @ Rodden Rd                | 535XRCARD    | 1/10/2012   | 8:20            | Winter1                                             | 0.61           |            |      |               |                                                                                                                                              |
| NA - Not applicable; see comments.      |              |             |                 |                                                     |                |            |      |               |                                                                                                                                              |