

From: Rachel West <rwest@mlj-llc.com>
To: Susan Fregien <sfregien@waterboards.ca.gov>
CC: <jhartman@waterboards.ca.gov>, Chris Jimmerson <cjimmerson@waterboards.c...>
Date: 2/13/2012 10:46 AM
Subject: ESJWQC Field Exceedance Report-February 2012
Attachments: ESJ_FieldResults_Discharge_020712.xls; ESJWQC_Site_pictures_020712_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 February 7, 2012 Normal Monitoring (NM) and Management Plan Monitoring (MPM) occurred at sites in the ESJWQC region. This was considered the second winter event of 2012. Field parameters were measured during this sampling event. During this monitoring event two sites were sampled as non-contiguous waterbodies (Dry Creek @ Rd 18 and Duck Slough @ Hwy 99). There were three dry sites during this monitoring event (Berenda Slough along Ave 18 ½, Cottonwood Creek @ Rd 20 and McCoy Lateral @ Hwy 140). Exceedances of receiving water limitations for 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 March 6, 2012.

c.) 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,

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| Station Name                            | Station Code | Sample Date | Collection Time | Group                                               | Discharge, cfs | pH   | SC, 700 µS/cm | Comments                                                                                                                                                                                        |
|-----------------------------------------|--------------|-------------|-----------------|-----------------------------------------------------|----------------|------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bear Creek @ Kibby Rd                   | 535XBCAKR    | 2/7/2012    | 8:50            | Management Plan Monitoring, Winter2                 | 1.4            | 8.59 |               | February Management Plan Monitoring for copper.                                                                                                                                                 |
| Berenda Slough along Ave 18 1/2         | 545XBSAAE    | 2/7/2012    | 11:33           | Management Plan Monitoring, Winter2                 | NA             |      |               | Dry site, no samples collected. February Management Plan Monitoring for copper.                                                                                                                 |
| Cottonwood Creek @ Rd 20                | 545XCCART    | 2/7/2012    | 10:28           | Management Plan Monitoring, Winter2                 | NA             |      |               | Dry site, no samples collected. February Management Plan Monitoring for diuron, chlorpyrifos, diazinon, and copper.                                                                             |
| Deadman Creek @ Hwy 59                  | 535DMCAHF    | 2/7/2012    | 12:30           | Winter2                                             | 1.26           | 8.59 |               |                                                                                                                                                                                                 |
| Dry Creek @ Rd 18                       | 545XDCARE    | 2/7/2012    | 11:00           | Management Plan Monitoring, Non Contiguous, Winter2 | 0              | 8.58 |               | Non-contiguous waterbody. February Management Plan Monitoring for chlorpyrifos, diazinon, diuron, copper, and Selenastrum toxicity. Discharge recorded as zero due to non-contiguous waterbody. |
| Dry Creek @ Wellsford Rd                | 535XDCAWR    | 2/7/2012    | 11:20           | Management Plan Monitoring, Winter2                 | 0.41           |      |               | February Management Plan Monitoring for diuron, copper, and Selenastrum toxicity.                                                                                                               |
| Duck Slough @ Gurr Rd                   | 535XDSAGR    | 2/7/2012    | 14:00           | Management Plan Monitoring, Winter2                 | 0.26           |      |               | February Management Plan Monitoring for copper and Ceriodaphnia toxicity.                                                                                                                       |
| Duck Slough @ Hwy 99                    | 535XDSAHN    | 2/7/2012    | 9:40            | Management Plan Monitoring, Non Contiguous, Winter2 | 0              |      |               | Non-contiguous waterbody. February Management Plan Monitoring for copper. Non-contiguous waterbody. Discharge recorded as zero due to non-contiguous waterbody.                                 |
| Highline Canal @ Hwy 99                 | 535XHCHNN    | 2/7/2012    | 16:20           | Management Plan Monitoring, Winter2                 | NA             | 9.51 |               | February Management Plan Monitoring for diuron, chlorpyrifos, copper, lead, and Selenastrum toxicity. Too shallow to measure discharge.                                                         |
| Highline Canal @ Lombardy Rd            | 535XHCALR    | 2/7/2012    | 16:30           | Winter2                                             | 0              | 8.85 |               | Discharge recorded as zero due to no measurable flow.                                                                                                                                           |
| Hilmar Drain @ Central Ave              | 535XHDACA    | 2/7/2012    | 15:20           | Management Plan Monitoring, Winter2                 | 3.54           |      | 983           | February Management Plan Monitoring for copper.                                                                                                                                                 |
| Lateral 3 along East Taylor Rd          | 535SLAETR    | 2/7/2012    | 12:30           | Winter2                                             | 1.42           | 9.52 |               |                                                                                                                                                                                                 |
| Levee Drain @ Carpenter Rd              | 535XLDACR    | 2/7/2012    | 13:40           | Winter2                                             | 0.45           |      | 1905          |                                                                                                                                                                                                 |
| Livingston Drain @ Robin Ave            | 535XLDARA    | 2/7/2012    | 15:10           | Management Plan Monitoring, Winter2                 | 0.83           |      |               | February Management Plan Monitoring for lead, copper, and Selenastrum toxicity.                                                                                                                 |
| Merced River @ Santa Fe                 | 535XMRSFD    | 2/7/2012    | 17:10           | Winter2                                             | 170            |      |               |                                                                                                                                                                                                 |
| McCoy Lateral @ Hwy 140                 | 535XMLAHO    | 2/7/2012    | 14:51           | Winter2                                             | NA             |      |               | Dry site, no samples collected.                                                                                                                                                                 |
| Prairie Flower Drain @ Crows Landing Rd | 535XPFDCD    | 2/7/2012    | 14:40           | Management Plan Monitoring, Winter2                 | 0              |      | 2231          | February Management Plan Monitoring for Selenastrum toxicity. Discharge recorded as zero due to no measurable flow.                                                                             |
| Rodden Creek @ Rodden Rd                | 535XRCARD    | 2/7/2012    | 9:30            | Winter2                                             | 0.47           |      |               |                                                                                                                                                                                                 |

NA - Not applicable; see comments.