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To: [Hartman, Jelena@Waterboards](mailto:Hartman_Jelena@Waterboards)
Cc: [Lara Reising](#); [Francisca Johnson](#); [Michael Johnson](#); [Melissa Turner](#); [Michael Niemi](#); [Parry Klassen](#); [Fregien, Susan@Waterboards](#)
Subject: ESJWQC Field Exceedance Report-August 2012
Date: Monday, August 20, 2012 11:42:05 AM
Attachments: [ESJ_SJR_OPTMDL_FieldResults_Discharge_081412.xls](#)
[ESJWQC_Site_pictures_081412_Compressed.pdf](#)

Dear Jelena,

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 August 14, 2012 Normal Monitoring (NM) and Management Plan Monitoring (MPM) occurred at sites in the ESJWQC region. This was considered the fourth irrigation event of 2012. The fourth Total Maximum Daily Load (TMDL) monitoring event also occurred at the three compliance sites on the San Joaquin River. Field parameters were measured and Deadman Creek @ Hwy 59 was dry during this monitoring event. There were exceedances of receiving water limitations for pH and specific conductance (SC) at sites sampled for chlorpyrifos and diazinon TMDL monitoring. Exceedances of receiving water limitations for DO, pH and SC also occurred at ESJWQC monitoring sites. 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 are scheduled to be measured again at monitoring sites in the ESJWQC region on September 11, 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). Sites sampled in previous events have also experienced frequent DO exceedances, particularly on clear, warm days when water temperatures, due to sun exposure, tend to be higher. 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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