

APPENDIX VIII

MONITORING PLAN UPDATE

SUMMARY

Based on the requirements in the Order R5-2014-0029-R1, a monitoring schedule is submitted annually in the Monitoring Plan Update (MPU) which is due August 1 prior to the monitoring WY. The Coalition submitted the MPU on August 1, 2015 (approved December 17, 2015). In order to determine when, what, and where MPM and Represented Site Monitoring should occur, the Coalition reviews available monitoring results and PUR data. Due to the submittal of the MPU on August 1, the Coalition is only able to review data up through June of that year. Therefore, it was discussed with Regional Board staff that an addendum to the MPU for the current WY will be included in the Annual Report and will assess monitoring results from July through September from the previous WY.

On February 12, 2016, the Coalition submitted an amendment to the 2016 MPU (approved March 7, 2016). The Coalition requested to amend the 2015 MPU to reflect sediment toxicity results which were no longer considered toxic under the SWAMP protocol. The Coalition also submitted an updated monitoring schedule on this date; the schedule includes any and all changes due to monitoring results from July through September 2015.

The Coalition reviewed monitoring data for exceedances from July through September 2015. Sites with one or more exceedances of the WQTL in samples collected during this period may affect the 2015 WY monitoring schedule as described in the following scenarios:

1. The site is not currently in a management plan for the constituent and the exceedance of the WQTL results in a management plan requirement for the site. If so, the Coalition will review when MPM would need to occur. If the exceedance results in a management plan requirement for a Core site, the Coalition will review if additional monitoring at Represented sites is necessary.
2. If the site is already in a management plan for the constituent that exceeded the WQTL and no previous exceedances occurred in the same month, the Coalition will updated the MPM schedule accordingly. If the exceedance occurred at a Core site, the Coalition will also review if additional monitoring at Represented sites is necessary during the month of the exceedance.

I. UPDATES TO THE 2015 MPU

The Coalition reviewed the exceedances of the WQTLs that occurred from July through September 2014 for both scenarios described above that would require an update to the 2015 WY monitoring schedule.

Chlorpyrifos

Exceedances of the WQTL for chlorpyrifos occurred in July at Mormon Slough @ Jack Tone Rd and August at Duck Creek @ Hwy 4. Duck Creek @ Hwy 4 was already in an active management plan for chlorpyrifos and therefore there were no changes to the MPM schedule for the 2016 WY. The Coalition petitioned to complete the management plan for chlorpyrifos at Mormon Slough @ Jack Tone Rd in July 2015. However, due to the exceedance, the Coalition will remove chlorpyrifos from consideration for management plan completion at Mormon Slough @ Jack Tone Rd and continue MPM during months of past exceedances.

***S. capricornutum* Toxicity**

Toxicity to *S. capricornutum* occurred at Mokelumne River @ Bruella Rd (both environmental sample and field duplicate) in July and at Union Island Drain @ Bonetti Rd in July and September. Toxicity to *S. capricornutum* was already in an active management plans for both site subwatersheds; there was no change in MPM at Mokelumne River @ Bruella Rd. The Coalition added the month September to the MPM schedule for toxicity to *S. capricornutum* at Union Island Drain @ Bonetti Rd due to the toxicity.