

ESJWQC Draft 2011 Monitoring Sites Table

| Zone | Site Type  | 2012 Monitoring | Site Name                               | Station Code | Latitude | Longitude   |
|------|------------|-----------------|-----------------------------------------|--------------|----------|-------------|
| 1    | Core       | C, MPM          | Dry Creek @ Wellsford Rd                | 535XDCAWR    | 37.66020 | -120.87430  |
| 1    | Assessment | A               | Rodden Creek @ Rodden Rd                | 535XRCARD    | 37.79042 | -120.80790  |
| 2    | Core       | C, MPM          | Prairie Flower Drain @ Crows Landing Rd | 535XPFDC     | 37.44220 | -121.00236  |
| 2    | Assessment | A               | Yori Grove Drain @ East Taylor Rd       | 535YGDETR    | 37.53690 | -120.98346  |
| 3    | Core       | C, MPM          | Highline Canal @ Hwy 99                 | 535XHCHNN    | 37.41530 | -120.75570  |
| 3    | Assessment | A               | Highline Canal @ Lombardy Rd            | 535XHCALR    | 37.45560 | -120.72070  |
| 4    | Core       | C               | Merced River @ Santa Fe                 | 535XMRSFD    | 37.42710 | -120.67210  |
| 4    | Assessment | A               | McCoy Lateral @ Hwy 140                 | 535XMLAHO    | 37.30945 | -120.787590 |
| 5    | Core       | C, MPM          | Duck Slough @ Gurr Rd                   | 535XDSAGR    | 37.21420 | -120.55960  |
| 5    | Assessment | A, MPM          | Deadman Creek @ Hwy 59                  | 535DMCAHF    | 37.19810 | -120.48690  |
| 6    | Core       | C, MPM          | Cottonwood Creek @ Rd 20                | 545XCCART    | 36.86860 | -120.18180  |
| 6    | Assessment | A, MPM          | Berenda Slough along Ave 18 1/2         | 545XBSAAE    | 37.01820 | -120.32650  |
| 2    | Assessment | MPM             | Lateral 2 1/2 near Keyes Rd             | 535LTHNKR    | 37.54780 | -121.09274  |
| 2    | Assessment | MPM             | Hilmar Drain @ Central Ave              | 535XHDACA    | 37.39058 | -120.95820  |
| 4    | Assessment | MPM             | Livingston Drain @ Robin Ave            | 535XLDARA    | 37.31690 | -120.74230  |
| 4    | Assessment | MPM             | Howard Lateral @ Hwy 140                | 535XHLAHO    | 37.30790 | -120.78200  |
| 4    | Assessment | MPM             | Black Rascal Creek @ Hwy 59             | 535BRCAJR    | 37.33208 | -120.39469  |
| 4    | Assessment | MPM             | Bear Creek @ Kibby Rd                   | 535XBCAKR    | 37.31280 | -120.41380  |
| 5    | Assessment | MPM             | Deadman Creek @ Gurr Rd                 | 535XDCAGR    | 37.19356 | -120.56124  |
| 5    | Assessment | MPM             | Duck Slough @ Hwy 99                    | 535XDSAHN    | 37.25010 | -120.41000  |
| 6    | Assessment | MPM             | Dry Creek @ Rd 18                       | 545XDCARE    | 36.98180 | -120.21950  |

| ESJWQC January-December 2012<br>Monitoring Schedule |                                         | Nutrients     |                          |                        |                         |                   | Pathogens | Field Parameters |    |                      |             | Physical Parameters |     |                        |                  | Metals          |                |                           |                          |                        |                    |                          |                  |                        |                      | Organophosphates |              |                |             |            |           |            |           |               |              |                   |         | Organochlorines |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|-----------------------------------------------------|-----------------------------------------|---------------|--------------------------|------------------------|-------------------------|-------------------|-----------|------------------|----|----------------------|-------------|---------------------|-----|------------------------|------------------|-----------------|----------------|---------------------------|--------------------------|------------------------|--------------------|--------------------------|------------------|------------------------|----------------------|------------------|--------------|----------------|-------------|------------|-----------|------------|-----------|---------------|--------------|-------------------|---------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|
|                                                     |                                         |               |                          |                        |                         |                   |           |                  |    |                      |             |                     |     |                        |                  |                 |                |                           |                          |                        |                    |                          |                  |                        |                      | Organophosphates |              |                |             |            |           |            |           |               |              |                   |         | Organochlorines |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
| Zone                                                | Site Name                               | Total Ammonia | Nitrate + Nitrite (as N) | Soluble Orthophosphate | Total Kjeldahl Nitrogen | Total Phosphorous | E. coli   | Dissolved Oxygen | pH | Specific Conductance | Temperature | Turbidity           | TOC | Total Dissolved Solids | Suspended Solids | Arsenic (Total) | Boron (Total)  | Cadmium (Dissolved/Total) | Copper (Dissolved/Total) | Lead (Dissolved/Total) | Molybdenum (Total) | Nickel (Dissolved/Total) | Selenium (Total) | Zinc (Dissolved/Total) | Hardness (Dissolved) | Azinphos-methyl  | Chlorpyrifos | Diazinon       | Dichlorovos | Dimethoate | Demeton-s | Disulfoton | Malathion | Methamidophos | Methidathion | Parathion, methyl | Phorate | Phosmet         | DDD            | DDE            | DDT            | Dicofol        | Dieldrin       |                |                |  |  |  |  |  |  |  |
| Zone 1                                              | Dry Creek @ Wellsford Rd                | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Rodden Creek @ Rodden Rd                | A             | A                        | A                      | A                       | A                 | A         | A                | A  | A                    | A           | A                   | A   | A                      | A                | A <sup>4</sup>  | A              | A <sup>4</sup>            | A                        | A <sup>4</sup>         | A <sup>4</sup>     | A                        | A                | A                      | A                    | A                | A            | A              | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |                |                |  |  |  |  |  |  |  |
| Zone 2                                              | Yori Grove Drain @ East Taylor Rd       | A             | A                        | A                      | A                       | A                 | A         | A                | A  | A                    | A           | A                   | A   | A                      | A                | A <sup>4</sup>  | A              | A <sup>4</sup>            | A                        | A <sup>4</sup>         | A <sup>4</sup>     | A                        | A                | A                      | A                    | A                | A            | A              | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A              | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |                |  |  |  |  |  |  |  |
|                                                     | Prairie Flower Drain @ Crows Landing Rd | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           |                          |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Hilmar Drain @ Central Ave              |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
| Zone 3                                              | Lateral 2 1/2 near Keyes Rd             |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           |                          |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Highline Canal @ Hwy 99                 | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           | M                        | M                      |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Highline Canal @ Lombardy Rd            | A             | A                        | A                      | A                       | A                 | A         | A                | A  | A                    | A           | A                   | A   | A                      | A                | A               | A <sup>4</sup> | A                         | A <sup>4</sup>           | A                      | A <sup>4</sup>     | A <sup>4</sup>           | A                | A                      | A                    | A                | A            | A              | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A              | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |                |  |  |  |  |  |  |  |
| Zone 4                                              | Bear Creek @ Kibby Rd                   |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Black Rascal Creek @ Yosemite Rd        |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           |                          | M                      |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Livingston Drain @ Robin Ave            |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        | M                      |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | McCoy Lateral @ Hwy 140                 | A             | A                        | A                      | A                       | A                 | A         | A                | C  | A                    | A           | A                   | A   | A                      | A                | A               | A <sup>4</sup> | A                         | A <sup>4</sup>           | A                      | A <sup>4</sup>     | A <sup>4</sup>           | A                | A                      | A                    | A                | A            | A              | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A              | A              | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |  |  |  |  |  |  |  |
| Zone 5                                              | Merced River @ Santa Fe                 | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           |                          |                        |                    |                          |                  |                        |                      |                  |              |                |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Deadman Creek @ Hwy 59                  | A             | A                        | A                      | A                       | A                 | A         | A                | A  | A                    | A           | A                   | A   | A                      | A                | A               | A <sup>4</sup> | A                         | A <sup>4</sup>           | A                      | A <sup>4</sup>     | A <sup>4</sup>           | A                | A                      | A                    | A                | A            | M <sup>3</sup> | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A              | A              | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |  |  |  |  |  |  |  |
|                                                     | Deadman Creek @ Gurr Rd                 |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Duck Slough @ Gurr Rd                   | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
| Zone 6                                              | Duck Slough @ Hwy 99                    |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        | M                      |                    |                          |                  |                        |                      |                  |              | M              |             |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Berenda Slough along Ave 18 1/2         | A             | A                        | A                      | A                       | A                 | A         | A                | A  | A                    | A           | A                   | A   | A                      | A                | A               | A <sup>4</sup> | A                         | A <sup>4</sup>           | M <sup>3</sup>         | A <sup>4</sup>     | A <sup>4</sup>           | A                | A                      | A                    | A                | A            | M <sup>3</sup> | A           | A          | A         | A          | A         | A             | A            | A                 | A       | A               | A              | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> |                |  |  |  |  |  |  |  |
|                                                     | Dry Creek @ Rd 18                       |               |                          |                        |                         |                   |           | F                | F  | F                    | F           |                     |     |                        |                  |                 |                |                           | M                        | M                      |                    |                          |                  |                        |                      |                  |              | M              | M           |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |
|                                                     | Cottonwood Creek @ Rd 20                | C             | C                        | C                      | C                       | C                 | C         | C                | C  | C                    | C           | C                   | C   | C                      | C                |                 |                |                           | M                        |                        |                    |                          |                  |                        |                      |                  |              | M              | M           |            |           |            |           |               |              |                   |         |                 |                |                |                |                |                |                |                |  |  |  |  |  |  |  |

A - Assessment monitoring constituent

C - Core monitoring constituent

F - Sites with MPM collect field parameters but this does not indicate that the FP are under a MP .Field Parameters currently under management plan are in bold.

M - Management Plan Monitoring is conducted for Priority A-D constituents during months of past exceedances

<sup>1</sup>Diuron and linuron analyzed as carbamates.

<sup>2</sup>If *Hyalella* survival is less than 80% compared to the control, the following pesticides will be analyzed for: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, fenpropathrin and chlorpyrifos

<sup>3</sup>MPM at sites under assessment monitoring in 2012

<sup>4</sup>Starting in July 2011 Assessment monitoring for organochlorines (including Group A pesticides), glyphosate, and paraquat was reduced to two monitoring events per year (one storm and one irrigation event); monitoring for metals not applied by agriculture was reduced to two storm an

| ESJWQC January-December 2012<br>Monitoring Schedule |                                         | Pesticides     |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    | Water Column<br>Toxicity |                |                | Sediment       |                        |                |                |                           |                            |                                  |                                     |     |            |   |   |
|-----------------------------------------------------|-----------------------------------------|----------------|----------------|----------|----------|------------|--------|---------|------------|-------------------------|--------|----------|-----------|----------|-------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------------|----------------|----------------|----------------|------------------------|----------------|----------------|---------------------------|----------------------------|----------------------------------|-------------------------------------|-----|------------|---|---|
|                                                     |                                         | Carbamates     |                |          |          |            |        |         |            | Herbicides <sup>1</sup> |        |          |           |          | Group A     |                |                |                |                |                |                    |                          |                |                | Toxicit<br>y   | Physical<br>Parameters |                |                |                           |                            |                                  |                                     |     |            |   |   |
| Zone                                                | Site Name                               | Endrin         | Methoxychlor   | Aldicarb | Carbaryl | Carbofuran | Diuron | Linuron | Methiocarb | Methomyl                | Oxamyl | Atrazine | Cyanazine | Simazine | Trifluralin | Paraquat       | Glyphosate     | Aldrin         | Chlordane      | Heptachlor     | Heptachlor epoxide | HCH, alpha               | HCH, beta      | HCH, delta     | HCH, gamma     | Endosulfan I           | Endosulfan II  | Toxaphene      | <i>Ceriodaphnia dubia</i> | <i>Pimephales promelas</i> | <i>Selenastrum capricornutum</i> | <i>Hyalella azteca</i> <sup>2</sup> | TOC | Grain size |   |   |
| Zone 1                                              | Dry Creek @ Wellsford Rd                |                |                |          |          |            | M      |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            | M                                | M                                   | M   | M          |   |   |
|                                                     | Rodden Creek @ Rodden Rd                | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A <sup>4</sup> | A                         | A                          | A                                | A                                   | A   | A          | A |   |
| Zone 2                                              | Yori Grove Drain @ East Taylor Rd       | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>            | A                          | A                                | A                                   | A   | A          | A | A |
|                                                     | Prairie Flower Drain @ Crows Landing Rd |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           | M                          |                                  | M                                   | M   | M          | M |   |
|                                                     | Hilmar Drain @ Central Ave              |                |                |          |          |            | M      |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  | M                                   | M   | M          | M |   |
|                                                     | Lateral 2 1/2 near Keyes Rd             |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  |                                     |     |            |   |   |
| Zone 3                                              | Highline Canal @ Hwy 99                 |                |                |          |          |            | M      |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           | M                          |                                  | M                                   | M   | M          | M |   |
|                                                     | Highline Canal @ Lombardy Rd            | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A <sup>4</sup> | A                         | A                          | A                                | A                                   | A   | A          | A |   |
| Zone 4                                              | Bear Creek @ Kibby Rd                   |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           | M                          |                                  |                                     |     |            |   |   |
|                                                     | Black Rascal Creek @ Yosemite Rd        |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           | M                          |                                  |                                     |     |            |   |   |
|                                                     | Livingston Drain @ Robin Ave            |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  | M                                   |     |            |   |   |
|                                                     | McCoy Lateral @ Hwy 140                 | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A <sup>4</sup> | A                         | A                          | A                                | A                                   | A   | A          | A |   |
| Zone 5                                              | Merced River @ Santa Fe                 |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  |                                     |     |            |   |   |
|                                                     | Deadman Creek @ Hwy 59                  | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A <sup>4</sup> | A                         | A                          | M <sup>3</sup>                   | A                                   | A   | A          | A |   |
|                                                     | Deadman Creek @ Gurr Rd                 |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                | M                         |                            | M                                |                                     |     |            |   |   |
|                                                     | Duck Slough @ Gurr Rd                   |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                | M                         |                            | M                                | M                                   | M   | M          | M |   |
| Zone 6                                              | Duck Slough @ Hwy 99                    |                |                |          |          |            |        |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  |                                     | M   |            |   |   |
|                                                     | Berenda Slough along Ave 18 1/2         | A <sup>4</sup> | A <sup>4</sup> | A        | A        | A          | A      | A       | A          | A                       | A      | A        | A         | A        | A           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>     | A <sup>4</sup>           | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup> | A <sup>4</sup>         | A <sup>4</sup> | A              | A                         | M <sup>3</sup>             | A                                | A                                   | A   | A          |   |   |
|                                                     | Dry Creek @ Rd 18                       |                |                |          |          |            | M      |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  |                                     |     |            |   |   |
|                                                     | Cottonwood Creek @ Rd 20                |                |                |          |          |            | M      |         |            |                         |        |          |           |          |             |                |                |                |                |                |                    |                          |                |                |                |                        |                |                |                           |                            |                                  | M                                   | M   | M          | M |   |

A - Assessment monitoring constituent

C - Core monitoring constituent

F - Sites with MPM collect field parameters but this doe

M - Management Plan Monitoring is conducted for Pric

<sup>1</sup>Diuron and linuron analyzed as carbamates.

<sup>2</sup>If *Hyalella* survival is less than 80% compared to the cc

<sup>3</sup>MPM at sites under assessment monitoring in 2012

<sup>4</sup>Starting in July 2011 Assessment monitoring for organod two irrigation events per year.

| Site Name                               | Year | 2012 MPM<br>Year | Month    | Ceriodaphnia dubia | Selenastrum capricornutum | Copper | Chlorpyrifos | Diazinon | Diuron | Simazine | Hyalella | Lead |
|-----------------------------------------|------|------------------|----------|--------------------|---------------------------|--------|--------------|----------|--------|----------|----------|------|
| Bear Creek @ Kibby Rd                   | 2012 | Year 3           | January  |                    |                           | X      |              |          |        |          |          |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | January  |                    |                           | X      | X            |          | X      |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | January  |                    | X                         | X      |              |          | X      |          |          |      |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | January  |                    |                           | X      |              |          |        |          |          |      |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | January  |                    |                           | X      | X            |          | X      |          |          |      |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | January  |                    |                           | X      | X            |          |        |          |          | X    |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | January  |                    |                           | X      |              |          |        |          |          |      |
| Deadman Creek @ Hwy 59                  | 2012 | Year 0           | January  |                    | X                         |        |              |          |        |          |          |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | January  |                    | X                         |        |              |          |        |          |          |      |
| Bear Creek @ Kibby Rd                   | 2012 | Year 3           | February |                    |                           | X      |              |          |        |          |          |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | February |                    |                           | X      | X            | X        | X      |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | February |                    | X                         | X      | X            | X        | X      |          |          |      |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | February |                    | X                         | X      |              |          | X      |          |          |      |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | February | X                  |                           | X      |              |          |        |          |          |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | February |                    |                           | X      |              |          |        |          |          |      |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | February |                    | X                         | X      | X            |          | X      |          |          | X    |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | February |                    | X                         | X      |              |          |        |          |          | X    |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | February | X                  | X                         | X      |              |          |        |          |          |      |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | February |                    |                           | X      |              |          |        |          |          |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | February |                    | X                         |        |              |          |        |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | March    |                    |                           |        |              |          |        |          | X        |      |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | March    |                    | X                         |        |              |          |        |          | X        |      |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | March    | X                  |                           |        |              |          |        |          |          |      |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | March    | X                  | X                         |        |              |          |        |          | X        |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | March    | X                  |                           |        | X            |          |        |          |          |      |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | March    |                    |                           |        |              |          |        |          | X        |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | March    | X                  |                           |        |              |          |        |          | X        |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | April    |                    |                           | X      |              |          |        |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | April    |                    |                           | X      | X            |          |        |          |          |      |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | April    |                    |                           | X      |              |          |        |          |          |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | April    |                    | X                         | X      |              |          |        |          |          | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | April    |                    | X                         | X      |              |          |        |          |          | X    |
| Lateral 2 1/2 near Keyes Rd             | 2012 | Year 2           | April    |                    |                           |        | X            |          |        |          |          |      |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | April    |                    | X                         |        |              |          |        |          |          |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | April    |                    |                           | X      | X            |          |        |          |          |      |
| Deadman Creek @ Hwy 59                  | 2012 | Year 0           | April    |                    | X                         |        | X            |          |        |          |          |      |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | April    |                    | X                         |        |              |          | X      |          |          |      |
| Black Rascal Creek @ Yosemite Rd        | 2012 | Year 0           | April    |                    |                           |        |              |          |        |          |          | X    |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | April    |                    | X                         |        |              |          |        |          |          |      |
| Bear Creek @ Kibby Rd                   | 2012 | Year 3           | May      | X                  |                           |        | X            |          |        |          |          |      |
| Berenda Slough along Ave 18 1/2         | 2012 | Year 2           | May      |                    | X                         |        |              |          |        |          |          |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | May      |                    |                           | X      |              |          |        |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | May      |                    | X                         | X      |              |          |        |          |          | X    |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | May      |                    |                           | X      |              |          |        |          |          |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | May      |                    |                           |        | X            |          |        |          |          | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | May      | X                  | X                         |        |              |          |        |          |          | X    |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | May      |                    | X                         | X      |              |          |        |          |          |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | May      |                    |                           | X      |              |          |        |          |          |      |
| Black Rascal Creek @ Yosemite Rd        | 2012 | Year 0           | May      | X                  |                           |        |              |          |        |          |          |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | May      |                    | X                         |        |              |          |        |          |          |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | June     |                    |                           | X      |              |          |        |          |          |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | June     |                    |                           | X      |              |          |        |          |          | X    |

| Site Name                               | Year | 2012 MPM<br>Year | Month     | Ceriodaphnia dubia | Selenastrum capricornutum | Copper | Chlorpyrifos | Diazinon | Diuron | Simazine | Hyalolella | Lead |
|-----------------------------------------|------|------------------|-----------|--------------------|---------------------------|--------|--------------|----------|--------|----------|------------|------|
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | June      |                    |                           | X      |              |          |        |          |            |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | June      |                    |                           | X      |              |          |        |          |            | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | June      |                    |                           | X      |              |          |        |          |            | X    |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | June      |                    |                           | X      | X            |          |        |          |            |      |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | June      |                    |                           |        |              |          | X      |          |            |      |
| Bear Creek @ Kibby Rd                   | 2012 | Year 3           | July      | X                  |                           |        | X            |          |        |          |            |      |
| Berenda Slough along Ave 18 1/2         | 2012 | Year 2           | July      |                    | X                         |        | X            |          |        |          |            |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | July      |                    |                           | X      |              |          |        |          |            |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | July      |                    |                           | X      | X            |          |        |          |            |      |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | July      |                    |                           |        | X            |          |        |          |            |      |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | July      |                    | X                         | X      | X            |          |        |          |            |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | July      |                    | X                         | X      | X            |          |        |          |            | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | July      |                    |                           | X      | X            |          |        |          |            | X    |
| Lateral 2 1/2 near Keyes Rd             | 2012 | Year 2           | July      |                    |                           |        | X            |          |        |          |            |      |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | July      |                    |                           | X      | X            |          |        |          |            |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | July      |                    | X                         |        |              |          |        |          |            |      |
| Black Rascal Creek @ Yosemite Rd        | 2012 | Year 0           | July      | X                  |                           |        | X            |          |        |          |            |      |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | July      |                    | X                         | X      | X            |          |        |          |            |      |
| Bear Creek @ Kibby Rd                   | 2012 | Year 3           | August    |                    |                           | X      |              |          |        |          |            |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | August    |                    |                           | X      |              |          |        |          |            |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | August    |                    |                           | X      |              |          |        |          |            | X    |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | August    |                    |                           |        | X            |          |        |          |            |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | August    |                    |                           | X      |              |          |        |          |            | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | August    |                    |                           | X      |              |          |        |          |            | X    |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | August    |                    |                           |        | X            |          |        |          |            |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | August    |                    |                           |        | X            |          |        |          |            |      |
| Deadman Creek @ Hwy 59                  | 2012 | Year 0           | August    |                    |                           |        | X            |          |        |          |            |      |
| Black Rascal Creek @ Yosemite Rd        | 2012 | Year 0           | August    | X                  |                           |        | X            |          |        |          |            |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | August    |                    |                           |        | X            |          |        |          |            |      |
| Berenda Slough along Ave 18 1/2         | 2012 | Year 2           | September |                    |                           |        | X            |          |        |          |            |      |
| Cottonwood Creek @ Rd 20                | 2012 | Year 3           | September |                    |                           | X      |              |          |        |          |            |      |
| Dry Creek @ Rd 18                       | 2012 | Year 2           | September |                    |                           | X      |              |          |        |          | X          | X    |
| Dry Creek @ Wellsford Rd                | 2012 | Year 4           | September |                    |                           |        | X            |          |        |          | X          |      |
| Duck Slough @ Gurr Rd                   | 2012 | Year 3           | September |                    | X                         |        |              |          |        |          | X          |      |
| Duck Slough @ Hwy 99                    | 2012 | Year 4           | September |                    |                           | X      | X            |          |        |          |            | X    |
| Highline Canal @ Hwy 99                 | 2012 | Year 3           | September | X                  |                           |        |              |          |        |          | X          |      |
| Livingston Drain @ Robin Ave            | 2012 | Year 2           | September |                    |                           | X      |              |          |        |          |            |      |
| Deadman Creek @ Gurr Rd                 | 2012 | Year 0           | September |                    |                           |        | X            |          |        |          |            |      |
| Deadman Creek @ Hwy 59                  | 2012 | Year 0           | September |                    |                           |        | X            |          |        |          |            |      |
| Black Rascal Creek @ Yosemite Rd        | 2012 | Year 0           | September |                    |                           |        | X            |          |        |          |            | X    |
| Hilmar Drain @ Central Ave              | 2012 | Year 0           | September |                    | X                         |        |              |          |        |          | X          |      |
| Prairie Flower Drain @ Crows Landing Rd | 2012 | Year 4           | September | X                  |                           |        | X            |          |        |          | X          |      |