

ESJWQC January-April 2012 Monitoring Schedule		Nutrients					Pathogens	Field Parameters				Physical Parameters				Metals													
Zone	Site Name	Total Ammonia	Nitrate + Nitrite (as N)	Soluble Orthophosphate	Total Kjeldahl Nitrogen	Total Phosphorous	<i>E. coli</i>	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	Dichlorvos
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 ⁴	A	A ⁴	A	A ⁴	A ⁴	A	A	A	A	A	A	A	A
Zone 2	Levee Drain @ Carpenter Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴	A	A ⁴	A	A ⁴	A ⁴	A	A	A	A		M		
	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		
	Lateral 2 1/2 near Keyes Rd							F	F	F	F																M		
Zone 3	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 ⁴	A	A ⁴	A	A ⁴	A ⁴	A	A	A	A	A	A	A	A
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		
	Howard Lateral @ Hwy 140							F	F	F	F								M								M		
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴	A	A ⁴	M ³	A ⁴	A ⁴	A	A	A	A	A	A	A	A
	Merced River @ Santa Fe	C	C	C	C	C	C	C	C	C	C	C	C	C	C														
Zone 5	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴	A	A ⁴	A	A ⁴	A ⁴	A	A	A	A	A	M ³	A	A
	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		
	Duck Slough @ Hwy 99							F	F	F	F								M	M							M		
Zone 6	Berenda Slough along Ave 18 1/2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴	A	A ⁴	M ³	A ⁴	A ⁴	A	A	A	A	A	M ³	A	A
	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.

¹Diuron and linuron analyzed as carbamates.

²If *Hyaella* survival is less than 80% compared to the control, the following pesticides will be analyzed for: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, fen

³MPM at sites under Assessment Monitoring in 2012

⁴Starting in July 2011 Assesment monitoring for organochlorines (including Group A pesticides), glyphosate, and paraquat was reduced to two monitoring events per year (one storm and one irrigation event); n

ESJWQC January-April 2012 Monitoring Schedule		Pesticides																												
		Oroganophosphates									Organochlorines							Carbamates							Herbicides ¹					
Zone	Site Name	Dimethoate	Demeton-s	Disulfoton	Malathion	Methamidophos	Methidathion	Parathion, methyl	Phorate	Phosmet	DDD	DDE	DDT	Dicofol	Dieldrin	Endrin	Methoxychlor	Aldicarb	Carbaryl	Carbofuran	Diuron	Linuron	Methiocarb	Methomyl	Oxamyl	Atrazine	Cyanazine	Simazine	Trifluralin	Paraquat
Zone 1	Dry Creek @ Wellsford Rd																				M									
	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
Zone 2	Levee Drain @ Carpenter Rd	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
	Prairie Flower Drain @ Crows Landing Rd	M																												
	Hilmar Drain @ Central Ave																				M									
	Lateral 2 1/2 near Keyes Rd																													
Zone 3	Highline Canal @ Hwy 99																				M									
	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
Zone 4	Bear Creek @ Kibby Rd																													
	Black Rascal Creek @ Yosemite Rd																													
	Livingston Drain @ Robin Ave																													
	Howard Lateral @ Hwy 140																													
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
Zone 5	Merced River @ Santa Fe																													
	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
	Deadman Creek @ Gurr Rd																													
	Duck Slough @ Gurr Rd																													
Zone 6	Duck Slough @ Hwy 99																													
	Berenda Slough along Ave 18 1/2	A	A	A	A	A	A	A	A	A	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	A	A	A	A	A	A	A ⁴
	Dry Creek @ Rd 18																				M									
	Cottonwood Creek @ Rd 20																				M									

A - Assessment Monitoring constituent.

C - Core Monitoring constituent.

F - Sites with MPM collect field parameters but this does not

M - Management Plan Monitoring is conducted for Priority A

¹Diuron and linuron analyzed as carbamates.

²If *Hyaella* survival is less than 80% compared to the contropopathrin and chlorpyrifos

³MPM at sites under Assessment Monitoring in 2012

⁴Starting in July 2011 Assesment monitoring for organochloronitroning for metals not applied by agriculture was reduced to two storm and two irrigation events per year. These were monitored at Assessment site

ESJWQC January-April 2012 Monitoring Schedule														Water Column Toxicity			Sediment			
																	Toxicity	Physical Parameters		
				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> ²	TOC
Zone	Site Name																			
Zone 1	Dry Creek @ Wellsford Rd																M	M	M	M
	Rodden Creek @ Rodden Rd	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	
Zone 2	Levee Drain @ Carpenter Rd	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	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	
	Lateral 2 1/2 near Keyes Rd																			
Zone 3	Highline Canal @ Hwy 99													M		M	M	M	M	
	Highline Canal @ Lombardy Rd	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	
Zone 4	Bear Creek @ Kibby Rd													M						
	Black Rascal Creek @ Yosemite Rd													M						
	Livingston Drain @ Robin Ave															M				
	Howard Lateral @ Hwy 140																			
	McCoy Lateral @ Hwy 140	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	A	A	A	A	
	Merced River @ Santa Fe																			
Zone 5	Deadman Creek @ Hwy 59	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	M ³	A	A	A	
	Deadman Creek @ Gurr Rd													M	M	M				
	Duck Slough @ Gurr Rd													M		M	M	M	M	
	Duck Slough @ Hwy 99															M				
Zone 6	Berenda Slough along Ave 18 1/2	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A ⁴	A	A	M ³	A	A	A	
	Dry Creek @ Rd 18															M	M	M	M	
	Cottonwood Creek @ Rd 20																			

A - Assessment Monitoring constituent.

C - Core Monitoring constituent.

F - Sites with MPM collect field parameters but this does not

M - Management Plan Monitoring is conducted for Priority A

¹Diuron and linuron analyzed as carbamates.

²If *Hyalella* survival is less than 80% compared to the contro

³MPM at sites under Assessment Monitoring in 2012

⁴Starting in July 2011 Assesment monitoring for organochlors on 4/12/12.

ESJWQC May-December 2012 Monitoring Schedule ³		Nutrients			Field Parameters				Physical Parameters				Metals						
Zone	Site Name	Total Ammonia	Nitrate + Nitrite (as N)	Soluble Orthophosphate	Dissolved Oxygen	pH	Specific Conductance	Temperature	Turbidity	TOC	Total Dissolved Solids	Suspended Solids	Copper (Dissolved/Total)	Zinc (Dissolved/Total)	Hardness (Dissolved)	Azinphos-methyl	Chlorpyrifos	Diazinon	Dichlorvos
Zone 1	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 2	Levee Drain @ Carpenter Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 3	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 4	Bear Creek @ Kibby Rd				F	F	F	F					M				M		
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 5	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 6	Berenda Slough along Ave 18 1/2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

A - Assessment 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 i
M - Management Plan Monitoring

¹Diuron and linuron analyzed as carbamates.

²If *Hyaella* survival is less than 80% compared to the control, the following pesticides will be analyzed for: bifenthrin, cyfluthrin, cypermethrin, deltamethr

³The monitoring schedule was updated to reflect the suspension of Core and Management Plan Monitoring (except Bear Creek) and the reduction of Asses

ESJWQC May-December 2012 Monitoring Schedule ³		Pesticides																	
		Oroganophosphates									Carbamates								
Zone	Site Name	Dimethoate	Demeton-s	Disulfoton	Malathion	Methamidophos	Methidathion	Parathion, methyl	Phorate	Phosmet	Aldicarb	Carbaryl	Carbofuran	Diuron	Linuron	Methiocarb	Methomyl	Oxamyl	Atrazine
Zone 1	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 2	Levee Drain @ Carpenter Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 3	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 4	Bear Creek @ Kibby Rd																		
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 5	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 6	Berenda Slough along Ave 18 1/2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

A - Assessment Monitoring constituent

F - Sites with MPM collect field parameters but this does not in bold.

M - Management Plan Monitoring

¹Diuron and linuron analyzed as carbamates.

²If *Hyaella* survival is less than 80% compared to the control, esfenvalerate, lambda-cyhalothrin, permethrin, fenpro

³The monitoring schedule was updated to reflect the suspension Monitoring constituents including organochlorines (including Group A), TKN, total phos

ESJWQC May-December 2012 Monitoring Schedule ³		Herbicides ¹			Water Column Toxicity			Sediment		
								Toxicity	Physical Parameters	
Zone	Site Name	Cyanazine	Simazine	Trifluralin	<i>Ceriodaphnia dubia</i>	<i>Pimephales promelas</i>	<i>Selenastrum capricornutum</i>	<i>Hyaella azteca</i> ²	TOC	Grain size
Zone 1	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A
Zone 2	Levee Drain @ Carpenter Rd	A	A	A	A	A	A	A	A	A
Zone 3	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A
Zone 4	Bear Creek @ Kibby Rd				M					
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A
Zone 5	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A
Zone 6	Berenda Slough along Ave 18 1/2	A	A	A	A	A	A	A	A	A

A - Assessment Monitoring constituent

F - Sites with MPM collect field parameters but this does not

M - Management Plan Monitoring

¹Diuron and linuron analyzed as carbamates.

²If *Hyaella* survival is less than 80% compared to the contro

³The monitoring schedule was updated to reflect the suspenphorous, E. coli, paraquat dichloride, glyphosate, and all me