

ESJWQC January-December 2011 Monitoring Schedule		Nutrients					Path-ogen	Field Parameters				Physical Parameters				Metals										Oroganophosphates																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	Endrin				
Zone 1	Dry Creek @ Wellsford Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Zone 2	Yori Grove Drain @ East Taylor Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
	Prairie Flower Drain @ Crows Landing R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Zone 3	Lateral 2 1/2 near Keys Rd						F	F	F	F																	MPM																					
	Highline Canal @ Hwy 99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Zone 4	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Bear Creek @ Kibby Rd						F	F	F	F									MPM									MPM																				
Zone 5	Livingston Drain @ Robin Ave						F	F	F	F									MPM	MPM								MPM																				
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Zone 6	Merced River @ Santa Fe	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	Deadman Creek @ Hwy 59	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zone 7	Duck Slough @ Gurr Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	Duck Slough @ Hwy 99						F	F	F	F									MPM									MPM																				
Zone 8	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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	Dry Creek @ Rd 18						F	F	F	F									MPM	MPM								MPM	MPM																			
Zone 9	Cottonwood Creek @ Rd 20	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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.

MPM - Management Plan Monitoring is conducted for Priority A-D constituents during months of past exceedance

¹Diuron and linuron analyzed as carbamates.

²If *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

ESJWQC January-December 2011 Monitoring Schedule		Pesticides																								Water Column Toxicity			Sediment						
		Carbamates								Herbicides ¹						Group A													Toxicity	Physical Parameters					
Zone	Site Name	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> ²	TOC	Grain size		
Zone 1	Dry Creek @ Wellsford Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Rodden Creek @ Rodden Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Zone 2	Yori Grove Drain @ East Taylor Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Prairie Flower Drain @ Crows Landing R Lateral 2 1/2 near Keys Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Zone 3	Highline Canal @ Hwy 99	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Highline Canal @ Lombardy Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Zone 4	Bear Creek @ Kibby Rd																											MPM							
	Livingston Drain @ Robin Ave																													MPM					
	McCoy Lateral @ Hwy 140	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Merced River @ Santa Fe	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Duck Slough @ Gurr Rd	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Duck Slough @ Hwy 99																													MPM					
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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Dry Creek @ Rd 18																														MPM	MPM			
	Cottonwood Creek @ Rd 20	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	

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MPM - Management Plan Monitoring is conducte

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

Site Name	Year	Month	Ceriodaphnia dubia	Selenastrum capricornutum	Copper	Chlorpyrifos	Diazinon	Diuron	Simazine	Hyalella	Lead	
Dry Creek @ Rd 18	2011	April			X	X						
Livingston Drain @ Robin Ave	2011	April		X								
Duck Slough @ Hwy 99	2011	April		X	X							2 yrs no exceedances
Lateral 2 1/2 near Keys Rd	2011	April				X						
Duck Slough @ Hwy 99	2011	May				X						2 yrs no exceedances
Dry Creek @ Rd 18	2011	May		X	X						X	
Livingston Drain @ Robin Ave	2011	May		X	X							
Bear Creek @ Kibby Rd	2011	May	X			X						
Duck Slough @ Hwy 99	2011	June			X							2 yrs no exceedances
Dry Creek @ Rd 18	2011	June			X						X	
Livingston Drain @ Robin Ave	2011	June			X	X						
Duck Slough @ Hwy 99	2011	July		X	X	X						2 yrs no exceedances
Dry Creek @ Rd 18	2011	July			X	X						
Livingston Drain @ Robin Ave	2011	July			X	X						
Lateral 2 1/2 near Keys Rd	2011	July				X						
Bear Creek @ Kibby Rd	2011	July	X			X						
Duck Slough @ Hwy 99	2011	August			X							No results yet
Dry Creek @ Rd 18	2011	August			X						X	
Livingston Drain @ Robin Ave	2011	August				X						
Bear Creek @ Kibby Rd	2011	August			X							
Duck Slough @ Hwy 99	2011	September			X	X						No results yet
Dry Creek @ Rd 18	2011	September			X					X	X	
Livingston Drain @ Robin Ave	2011	September			X							
Dry Creek @ Rd 18	2011	January		X	X			X				
Livingston Drain @ Robin Ave	2011	January			X	X					X	
Bear Creek @ Kibby Rd	2011	January			X							
Duck Slough @ Hwy 99	2011	February			X							Was supposed to be monitor
Dry Creek @ Rd 18	2011	February		X	X	X	X	X				
Livingston Drain @ Robin Ave	2011	February		X	X						X	
Bear Creek @ Kibby Rd	2011	February			X							
Dry Creek @ Rd 18	2011	March								X		

ESJWQC Draft 2011 Monitoring Sites Table

Zone	Site Type	2011 Monitoring	Site Name	Station Code	Latitude	Longitude
1	Core	A, MPM	Dry Creek @ Wellsford Rd	535XDCAWR	37.66020	-120.87430
1	Assessment	A	Rodden Creek @ Rodden Rd	535XRCARD	37.79042	-120.80790
2	Core	A, MPM	Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	37.44220	-121.00240
2	Assessment	A	Yori Grove Drain @ East Taylor Rd	535YGDETR	37.53690	-120.98346
3	Core	A, MPM	Highline Canal @ Hwy 99	535XHCHNN	37.41530	-120.75570
3	Assessment	A	Highline Canal @ Lombardy Rd	535XHCALR	37.45560	-120.72070
4	Core	A	Merced River @ Santa Fe	535XMRSFD	37.42710	-120.67210
4	Assessment	A	McCoy Lateral @ Hwy 140	535XMLAHO	37.30945	-120.78759
5	Core	A, MPM	Duck Slough @ Gurr Rd	535XDSAGR	37.21420	-120.55960
5	Assessment	A	Deadman Creek @ Hwy 59	535DMCAHF	37.19810	-120.48690
6	Core	A, MPM	Cottonwood Creek @ Rd 20	545XCCART	36.86860	-120.18180
6	Assessment	A, MPM	Berenda Slough along Ave 18 1/2	545XBSAAE	37.98180	-120.32650
2		MPM	Lateral 2 1/2 near Keyes Rd	535LTHNKR	37.54780	-120.09274
4		MPM	Livingston Drain @ Robin Ave	535XLDARA	37.31690	-120.74230
4		MPM	Bear Creek @ Kibby Rd	535XBCAKR	37.31280	-120.41380
5		MPM	Duck Slough @ Hwy 99	535XDSAHN	37.25010	-120.41000
6		MPM	Dry Creek @ Rd 18	545XDCARE	36.98180	-120.21950

Potential not to be monitored after
March 2011 (2 yrs of no exceedances)