

Dry Creek (East) Watershed

Summary Sheet

Catchment	Total area	41.8 sq. miles			
	Area in recharge	0			
	Creek length	24.8 miles			
	Receiving water	Colorado River			
Demographics	2000 population	unknown			
	2030 projected population	unknown			
	30 year projected % increase	unknown			
Land Use	Impervious cover (2003 estimate)	4 %			
Overall EII Scores	1999	2002	2005	2008	2010
	56	55	60	55	60

Featured Watershed
 Phase I Watersheds
 Other Phase II Watersheds

Flow Regime* for Sample Sites on Dry Creek (East)

Site # upstream to downstream	Site Name	2002					2005					2008					2010			
		Feb WQ	Feb Bio	May WQ	Aug WQ	Nov WQ	Mar WQ	Jun WQ	Jun Bio	Sep WQ	Dec WQ	Feb WQ	May WQ	Jun Bio	Sep WQ	Dec WQ	Mar WQ	May WQ	May Bio	Oct WQ
1208	Dry Creek at FM 812	B	n	n	n	B														
1209	Dry Creek at Elroy Rd	B	n	n	n	B														
1211	Dry Creek at Pearce Rd	B	B	B		B	B	n	B	B	B	n	n	B	n	B	B	S	B	
1210	Dry Creek at Wolf Ln	B	B	n	B	B	B	B	B	n	B	B	n	n	n	B	n	S	n	
1212	Dry Creek at River Rd	B	B	n	B	B	B	B	n	n	n									

* B = baseflow n = no flow storm = storm flow blue = Samples were taken grey = Samples were not taken blank = site not visited

Summary of 2010 Data for Dry Creek (East)

2010 Summary	Parameter	Mean	Max	Min	Discussion
Physicochemical	D.O. mg/l	9.6	10.9	6.9	Generally below average concentrations with some low values
	pH st.units	8.4	9.3	8.0	Above average values in 2010, but within normal range in past years
	Cond uS/cm	892	2200	304	Generally above average concentrations with some high values
Nutrients	NH ₃ mg/l	0.07	0.38	0.01	Elevated and increasing in the upstream reach, but normal at mouth site
	NO ₃ mg/l	0.15	0.63	0.00	Generally normal with some higher concentrations at the upstream site
	Ortho P mg/l	0.06	0.18	0.03	Generally within normal range
Sediment Load	TSS mg/l	41.6	141.1	14.9	Chronically high concentrations
	Turbidity ntu	31.1	62.8	13.1	Chronically high concentrations
Biology	E.Coli /100ml	214	687	13	Elevated and increasing in the upstream reach, but normal at mouth site
	Benthic Maes	Generally average scores at both sites, but very low diversity (only 3 taxa) at the mouth site 1210			
	Diatoms	Generally below average scores at site 1211, but lower at mouth site 1210 where motile taxa comprised 42% and only one Cymbella taxa was collected.			

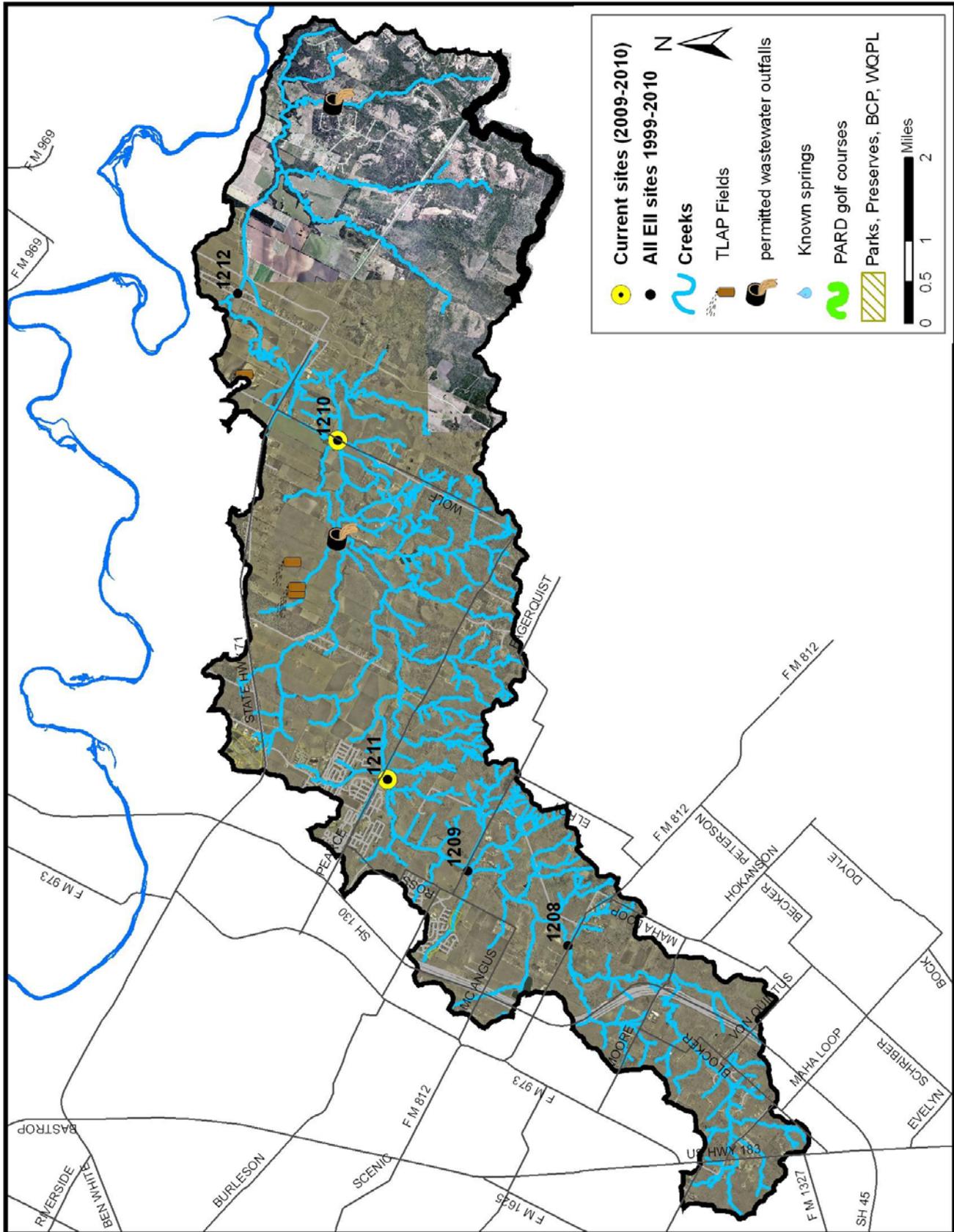
Index scores* for Dry Creek (East) Sites by Year

Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Recreation	Non-Contact Recreation	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total EII Score
DRE1	1210	Dry Creek @ Wolf Lane	1999	46	84	90	36	42				50
DRE1	1212	Dry Creek @ River Road	1999	42	84	87	39	68				53
DRE1	1213	Dry Creek @ Colorado Dr	1999	49	84	97	65	72				61
DRE2	1208	Dry Creek @ FM 812	1999	76	84	100	88	64				69
DRE2	1209	Dry Creek @ Elroy Road	1999	65	84	97	48	31				54
DRE2	1211	Dry Creek @ Pearce Road	1999	49	84	83	42	33				49
DRE1	1210	Dry Creek @ Wolf Lane	2002	47	86	76	63	32	27	34	20	55
DRE1	1212	Dry Creek @ River Road	2002	48	86	85	37	48				51
DRE2	1208	Dry Creek @ FM 812	2002	61	86	94	50	26				53
DRE2	1209	Dry Creek @ Elroy Road	2002	58	86	95	72	31				57
DRE2	1211	Dry Creek @ Pearce Road	2002	59	86	96	65	48				59
DRE1	1210	Dry Creek @ Wolf Lane	2005	42	83	64	57	39	56	64	48	57
DRE1	1212	Dry Creek @ River Road	2005	54	83	67	32	48	71		71	59
DRE2	1211	Dry Creek @ Pearce Road	2005	54	83	76	50	44	77	77		64
DRE1	1210	Dry Creek @ Wolf Lane	2008	60	80	87	22	49				50
DRE2	1211	Dry Creek @ Pearce Road	2008	48	80	61	62	49	59	59		60
DRE1	1210	Dry Creek @ Wolf Lane	2010	59	83	45	56	38	57	53	60	56
DRE2	1211	Dry Creek @ Pearce Road	2010	49	83	55	70	58	60	53	66	63

* blank cells indicate parameter was not collected, blank row indicate site was dropped **sediment samples only collected at the downstream site
■ 100-87.5 Excellent ■ 87.5-75 V. Good ■ 75-62.5 Good ■ 62.5-50 Fair ■ 50-37.5 Marginal ■ 37.5-25 Poor ■ 25-12.5 Bad ■ 12.5-0 V. Bad

Dry Creek Watershed

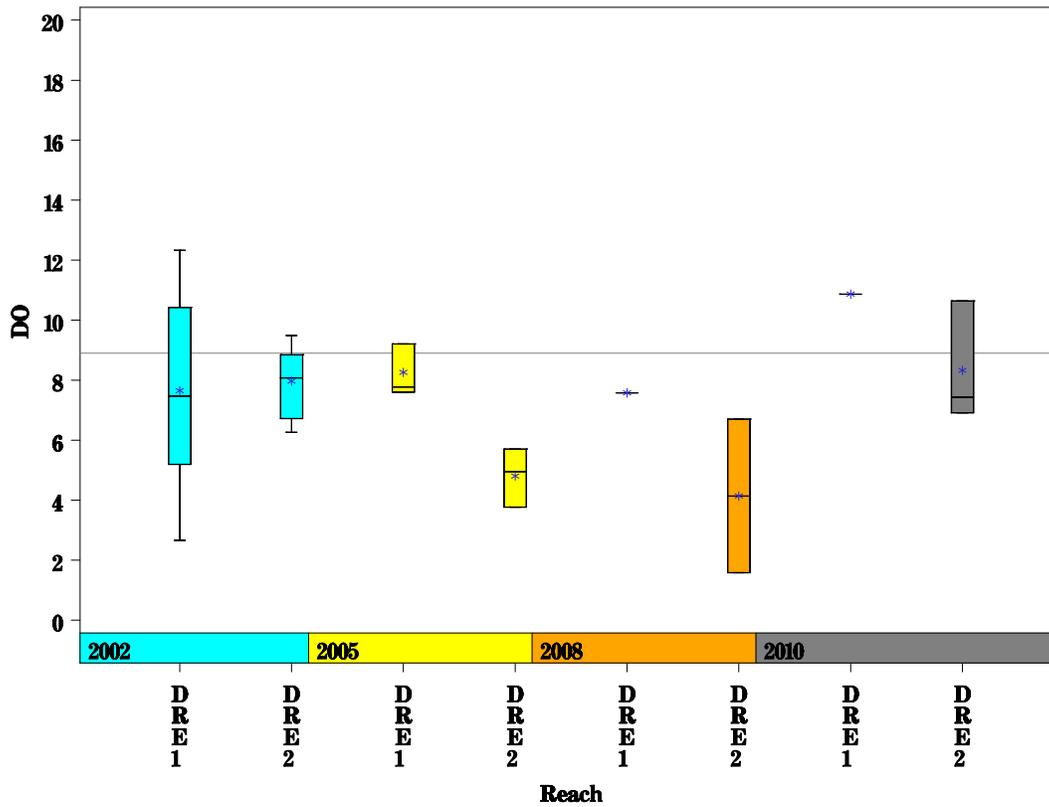
Aerial Map



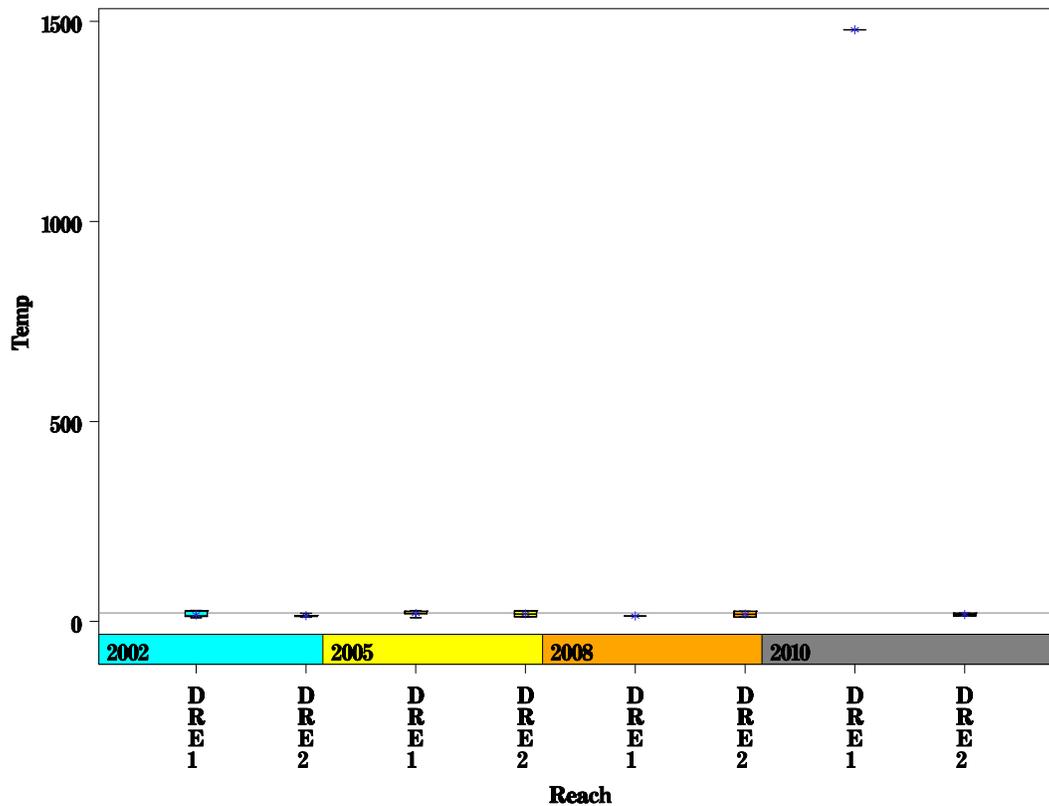
Dry Creek Watershed

Data Summary Graphs – Dissolved Oxygen and Temperature (Downstream to Upstream by Year)

Parameter=DISSOLVED OXYGEN Unit=MG/L Watershed=Dry Creek East



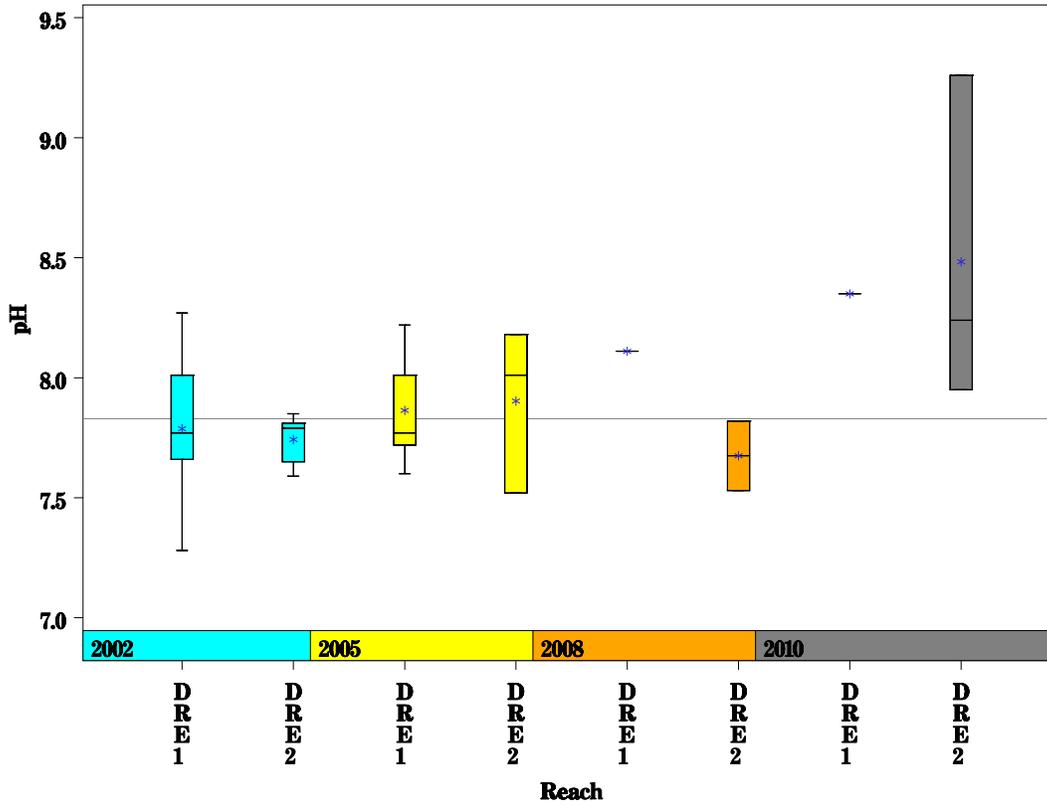
Parameter=WATER TEMPERATURE Unit=Deg C Watershed=Dry Creek East



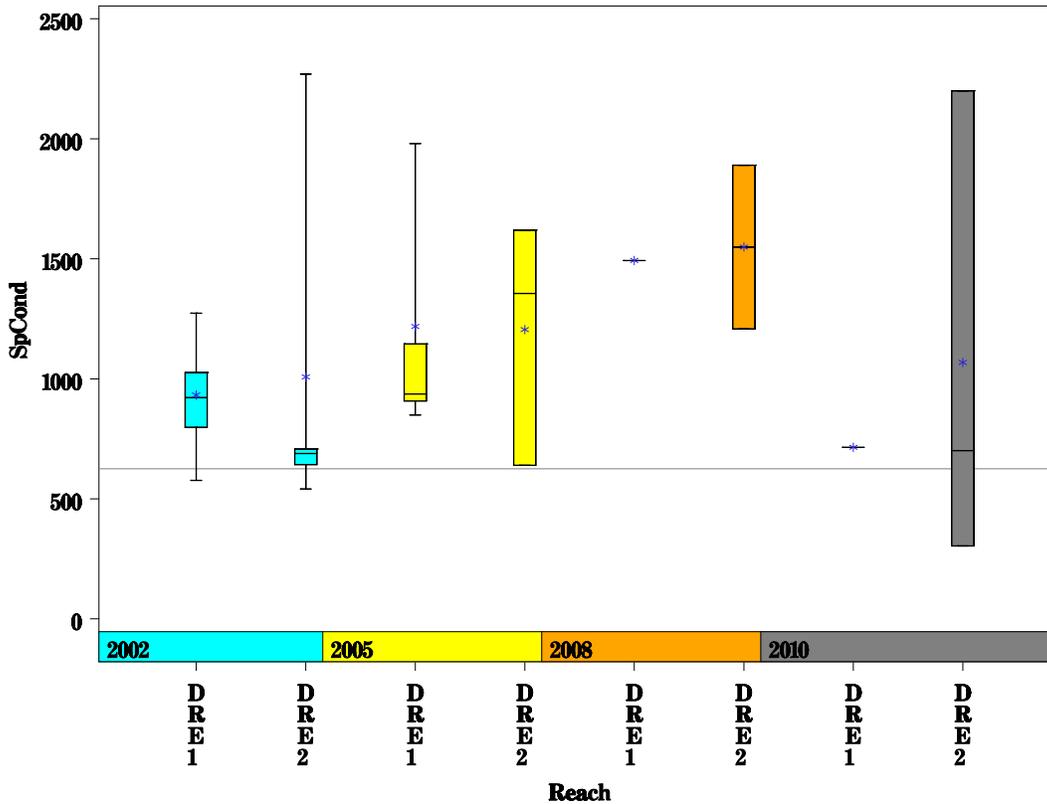
Dry Creek Watershed

Data Summary Graphs – pH and Conductivity (Downstream to Upstream by Year)

Parameter=PH Unit=Standard units Watershed=Dry Creek East



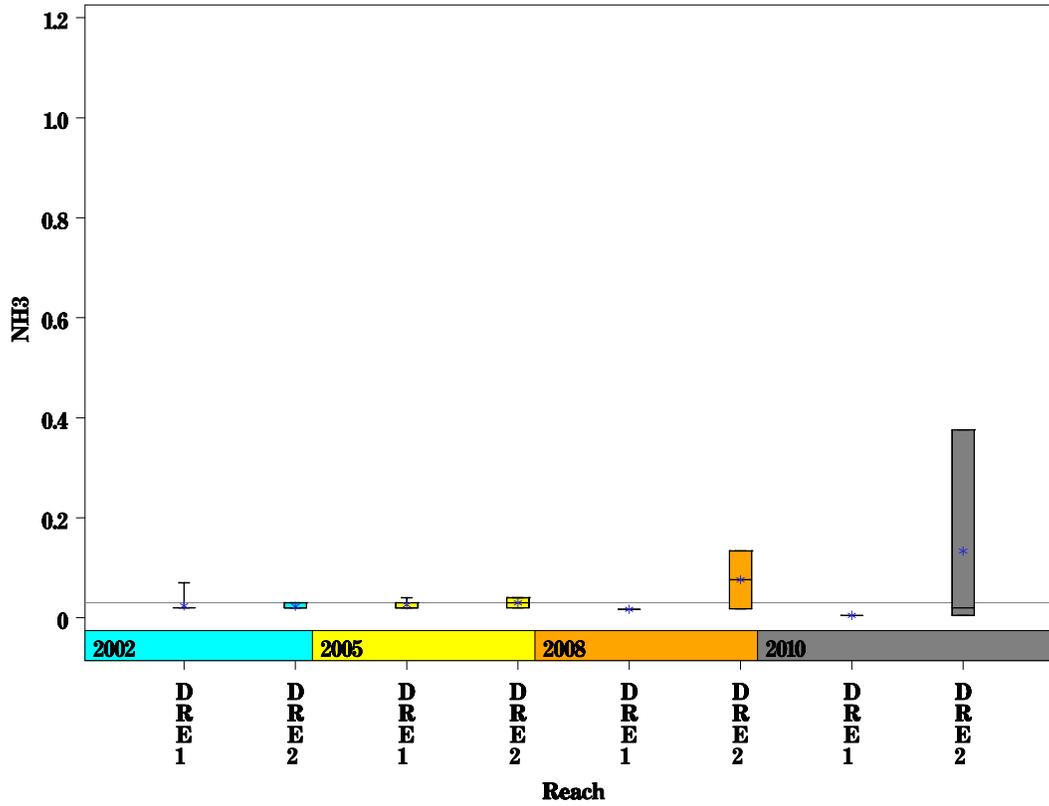
Parameter=CONDUCTIVITY Unit=uS/cm Watershed=Dry Creek East



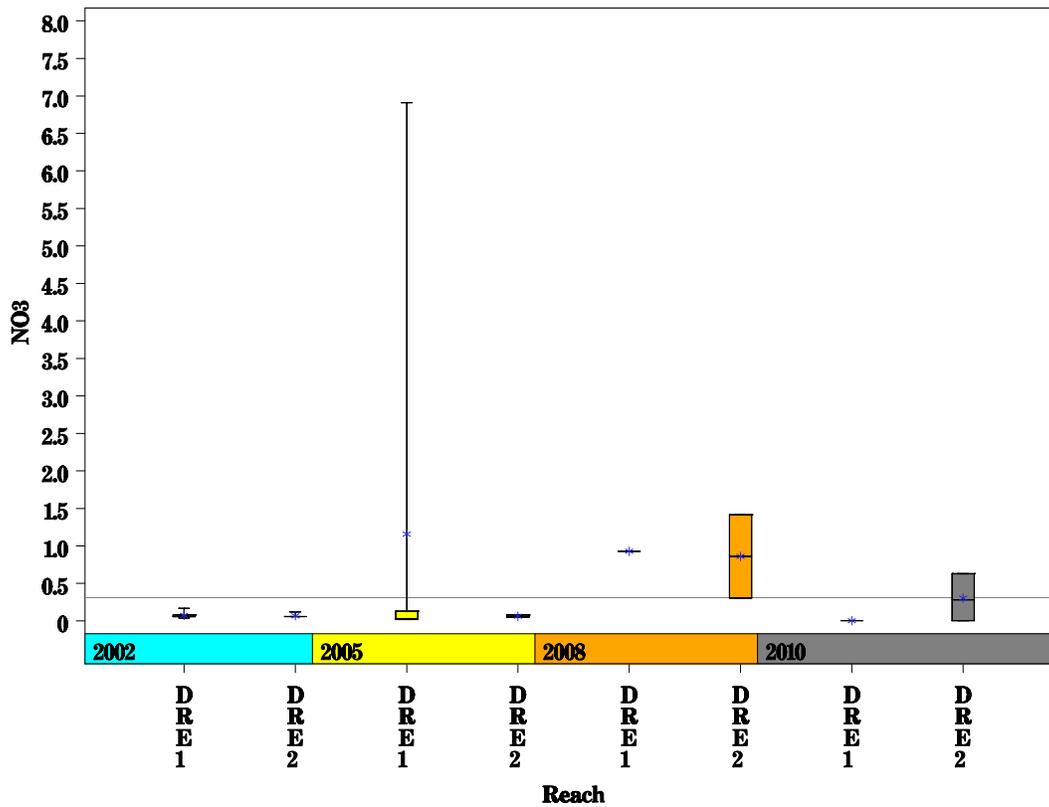
Dry Creek Watershed

Data Summary Graphs – Ammonia and Nitrate/Nitrite (Downstream to Upstream by Year)

Parameter=AMMONIA AS N Unit=MG/L Watershed=Dry Creek East

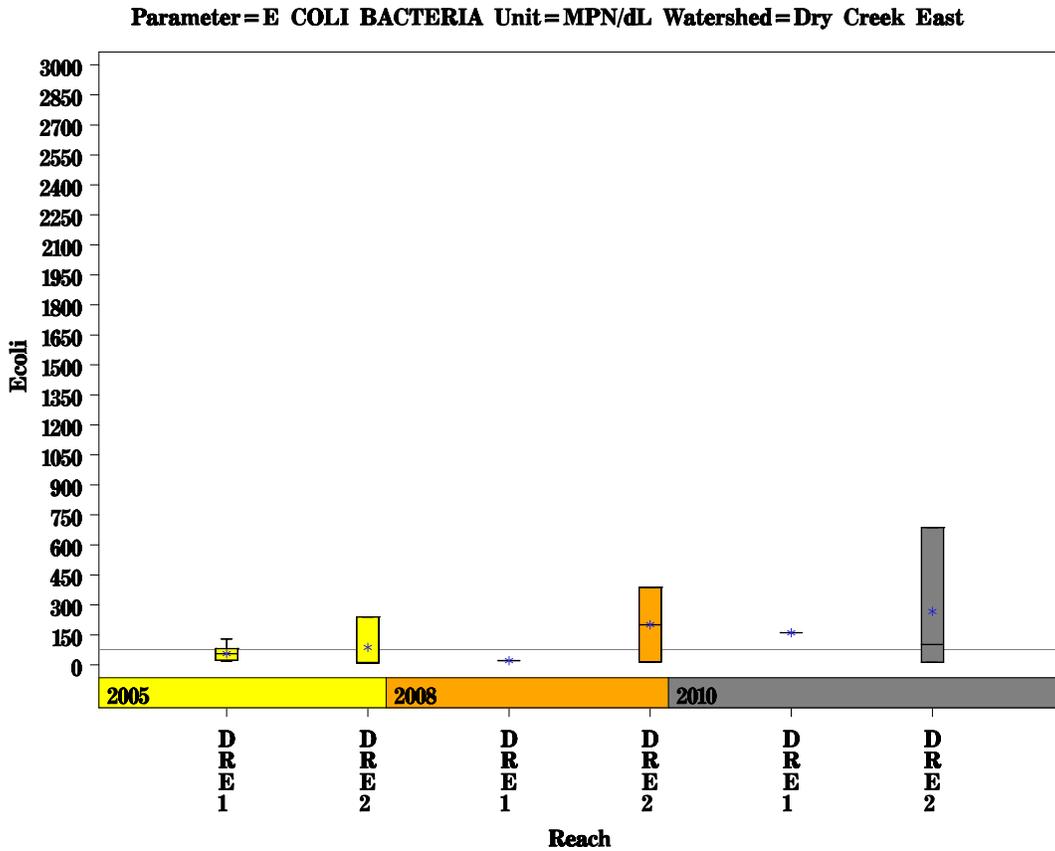
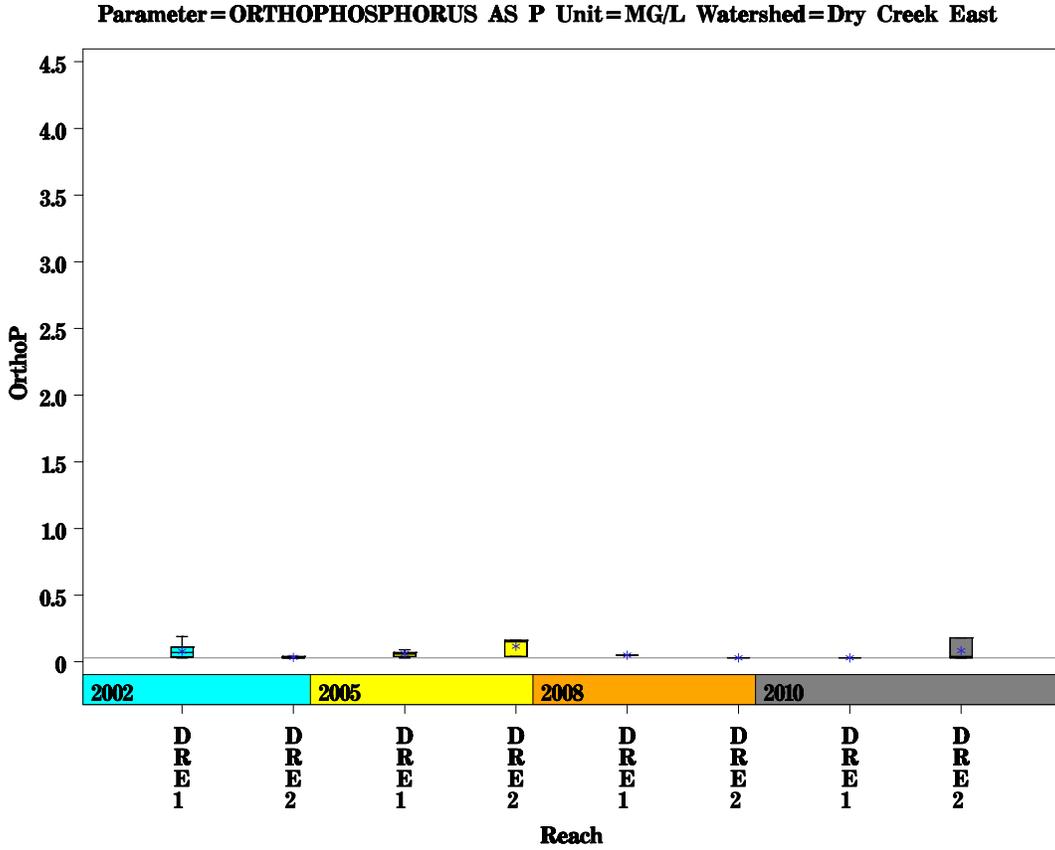


Parameter=NITRATE AS N Unit=MG/L Watershed=Dry Creek East



Dry Creek Watershed

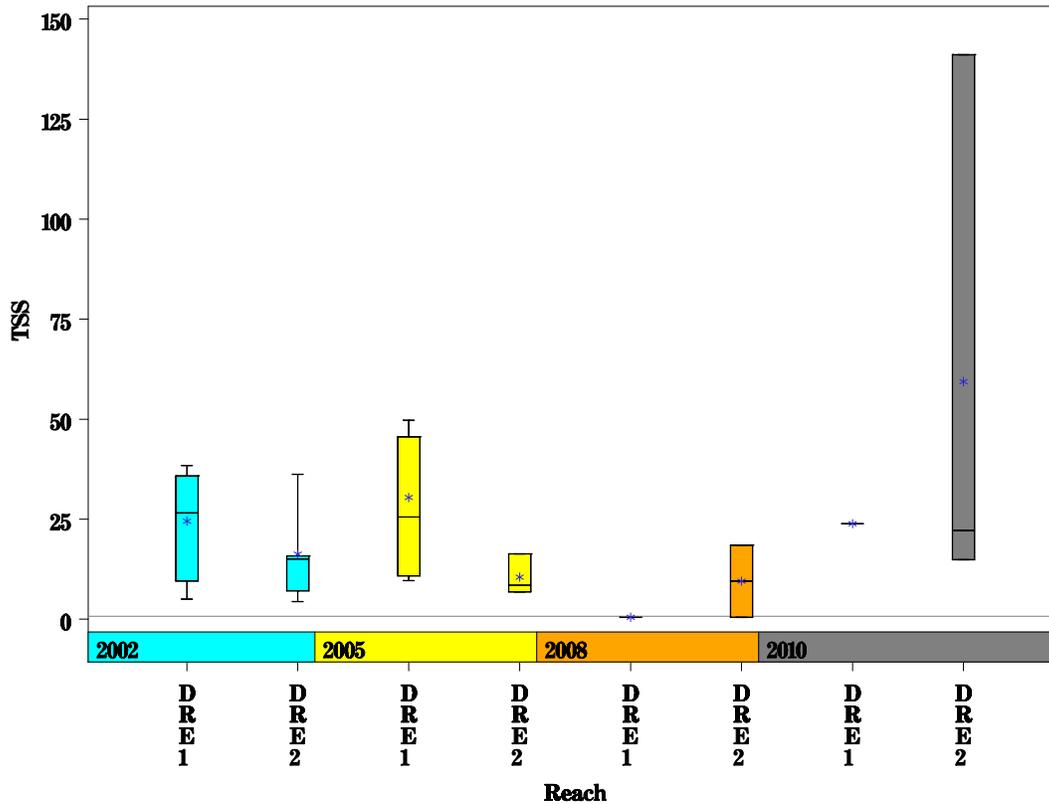
Data Summary Graphs – Orthophosphate and E.coli (Downstream to Upstream by Year)



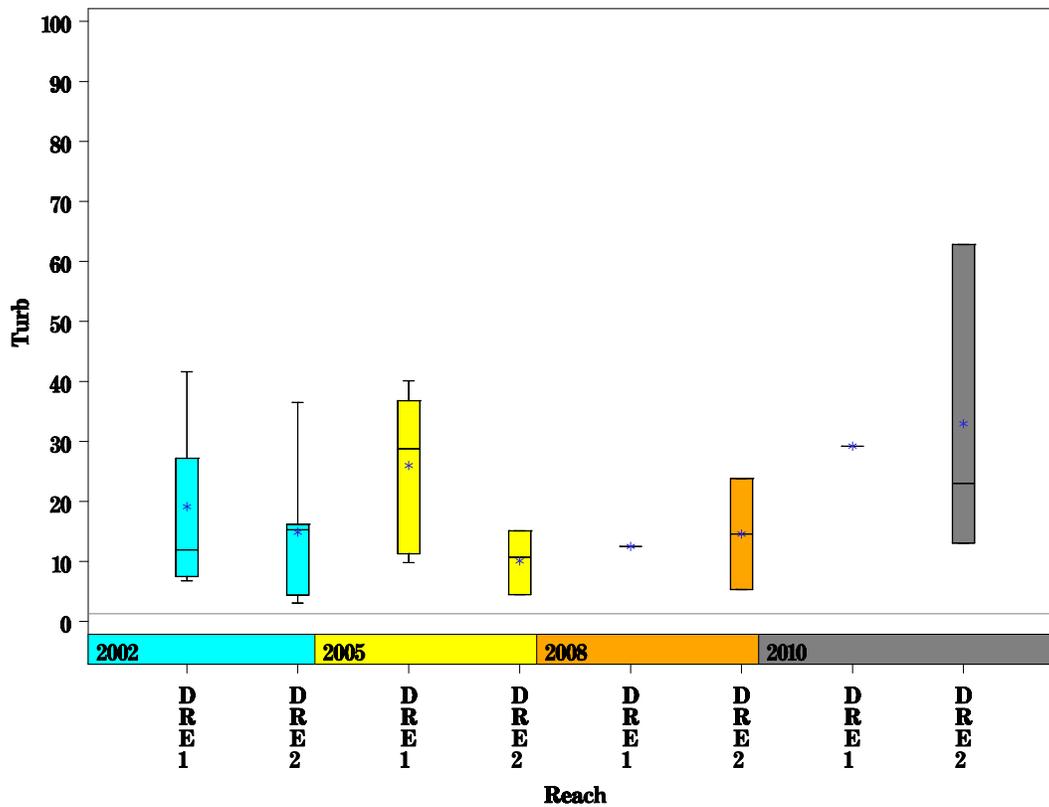
Dry Creek Watershed

Data Summary Graphs – Total Suspended Solids and Turbidity (Downstream to Upstream by Year)

Parameter = TOTAL SUSPENDED SOLIDS Unit = MG/L Watershed = Dry Creek East



Parameter = TURBIDITY Unit = NTU Watershed = Dry Creek East



Dry Creek (East) Watershed

Score Summary – Reach scores for each sample year



Dry Creek (East) Watershed

Site Photographs



1208_t00-us-02_27_2002



1208_t00-ds-02_27_2002



1209_t00-us-02_27_2002



1209_t00-ds-02_27_2002



1211_00-ur-05_18_2010



1211_00-us-05_18_2010

Dry Creek (East) Watershed

Site Photographs



1210_t00-ur-06_16_2005



1210_t00-ur-02_27_2002



1210_00-us-05_18_2010



1210_00-ds-05_18_2010



1212_t00-us-02_27_2002



1212_t00-ds-06_16_2005

This page left intentionally blank