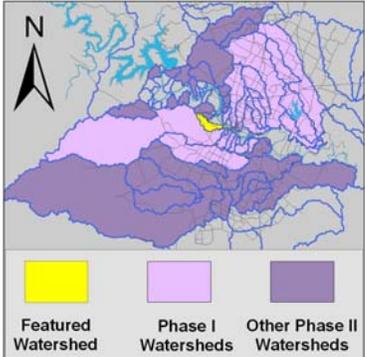


Eanes Creek Watershed

Summary Sheet

Catchment	Total area	3.7 sq. miles		
	Area in recharge	2.28 sq. miles		
	Creek length	6 miles		
	Receiving water	Town Lake		
Demographics	2000 population	5,951		
	2030 projected population	9,357		
	30 year projected % increase	57 %		
Land Use	Impervious cover (2003 estimate)	25.72 %		
Overall EII Scores	2001	2004	2007	2010
	61	68	60	66



Flow Regime* for Sample Sites on Eanes Creek

Site # upstream to downstream	Site Name	2001				2004					2007					2010			
		Mar WQ	Jun WQ	Sep WQ	Dec WQ	Mar WQ	May Bio	Jun WQ	Oct WQ	Dec WQ	Feb WQ	May WQ	Jun Bio	Sep WQ	Dec WQ	Mar WQ	May WQ	May Bio	Oct WQ
1106	at Camp Craft Rd.	B	n	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
182	at Rollingwood	n	n	n	n														

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

Summary of 2010 Data for Eanes Creek

2010 Summary	Parameter	Mean	Max	Min	Discussion
Physicochemical	D.O. mg/l	8.1	9.4	7.1	Consistently within normal range
	pH st.units	7.8	8.2	7.4	Generally within normal range
	Cond uS/cm	930	960	895	Consistently above average
Nutrients	NH ₃ mg/l	0.01	0.01	0.01	Within normal range or low
	NO ₃ mg/l	0.92	1.54	0.23	Generally above average concentrations
	Ortho P mg/l	0.02	0.03	0.02	Consistently low
Sediment Load	TSS mg/l	15	43.9	0.5	Consistently low (one high value at site 1106 in May listed as stormflow)
	Turbidity ntu	0.7	0.7	0.7	Consistently low
Biology	E.Coli /100ml	162	210	133	Consistently above average, but none high
	Benthic Macs	Generally average metric scores with below average diversity but good community composition			
	Diatoms	Low Cymbella richness but above average diversity and good percent of motile taxa.			

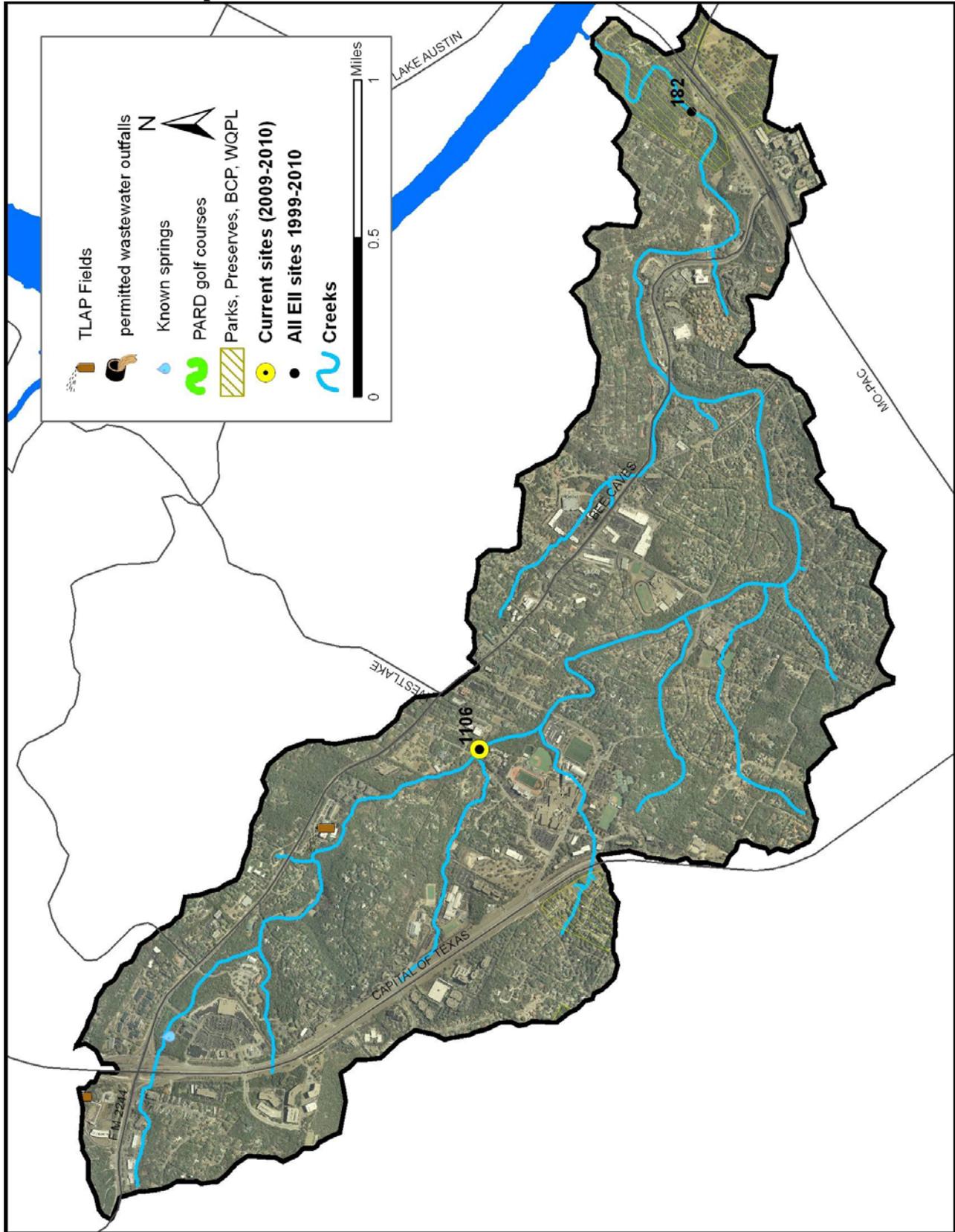
Index scores* for Eanes Creek by Year

Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Recreation	Non-Contact Recreation	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total Site Score
EAN1	182	Eanes Creek @ Rollingwood	1998		58		52	62				43
EAN2	1106	Eanes Creek @ Camp Craft Road	1998	51	58	76	88	74	70	65	75	70
EAN1	182	Eanes Creek @ Rollingwood	2001		73		55	36				41
EAN2	1106	Eanes Creek @ Camp Craft Road	2001	51	73	74	76	74	49	31	66	63
EAN2	1106	Eanes Creek @ Camp Craft Road	2004	58	69	43	83	75	78	69	87	68
EAN2	1106	Eanes Creek @ Camp Craft Road	2007	54	57	42	77	66	65	59	70	60
EAN2	1106	Eanes Creek @ Camp Craft Road	2010	53	63	45	93	73	67	59	74	66

* 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

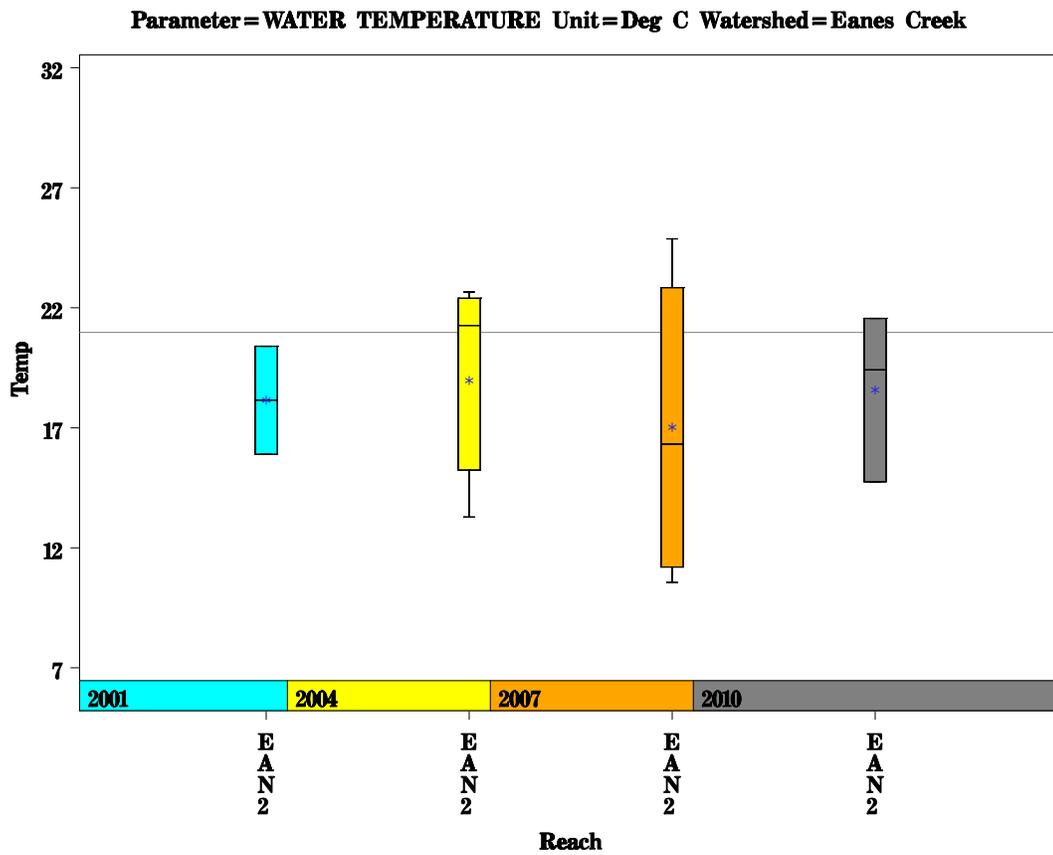
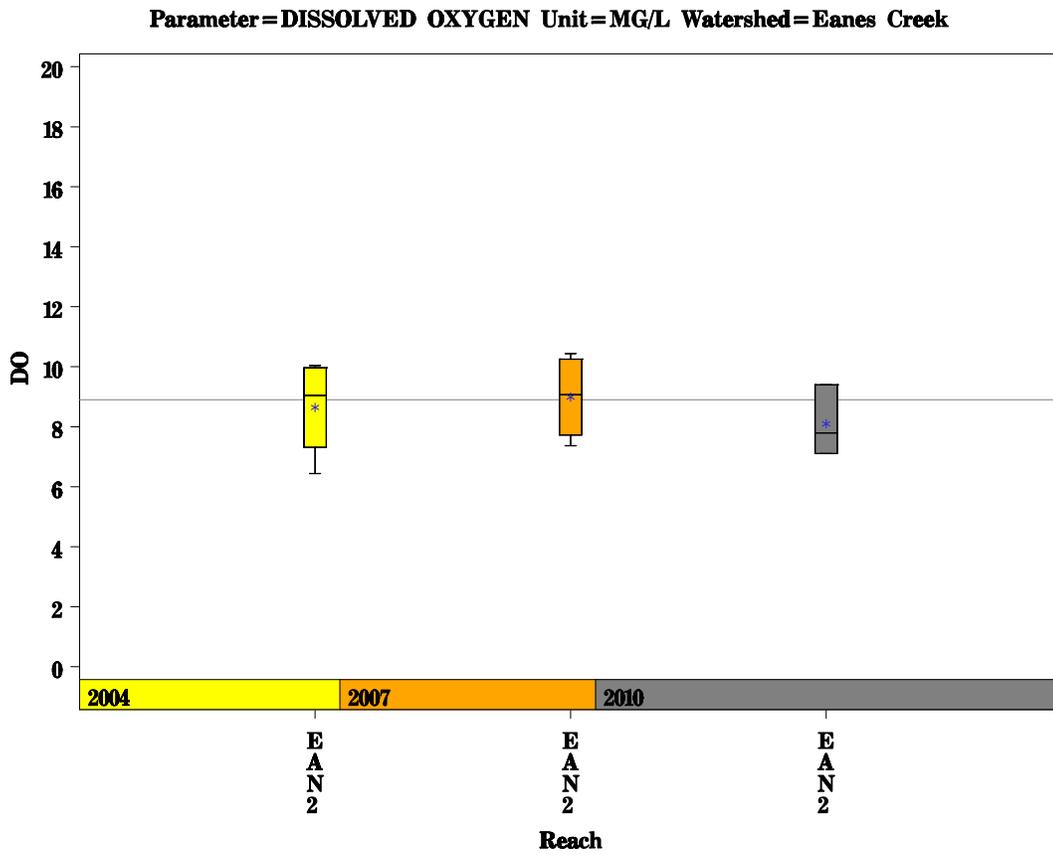
Eanes Creek Watershed

Aerial Map



Eanes Creek Watershed

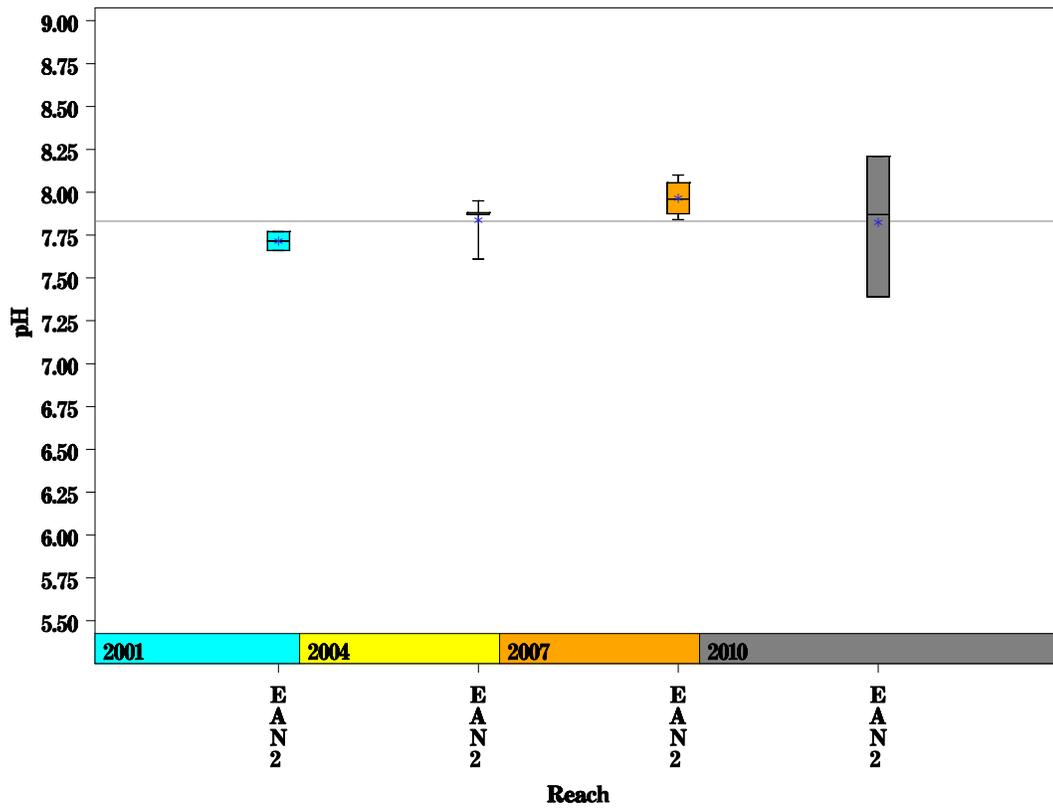
Data Summary Graphs – Dissolved Oxygen and Temperature (Downstream to Upstream by Year)



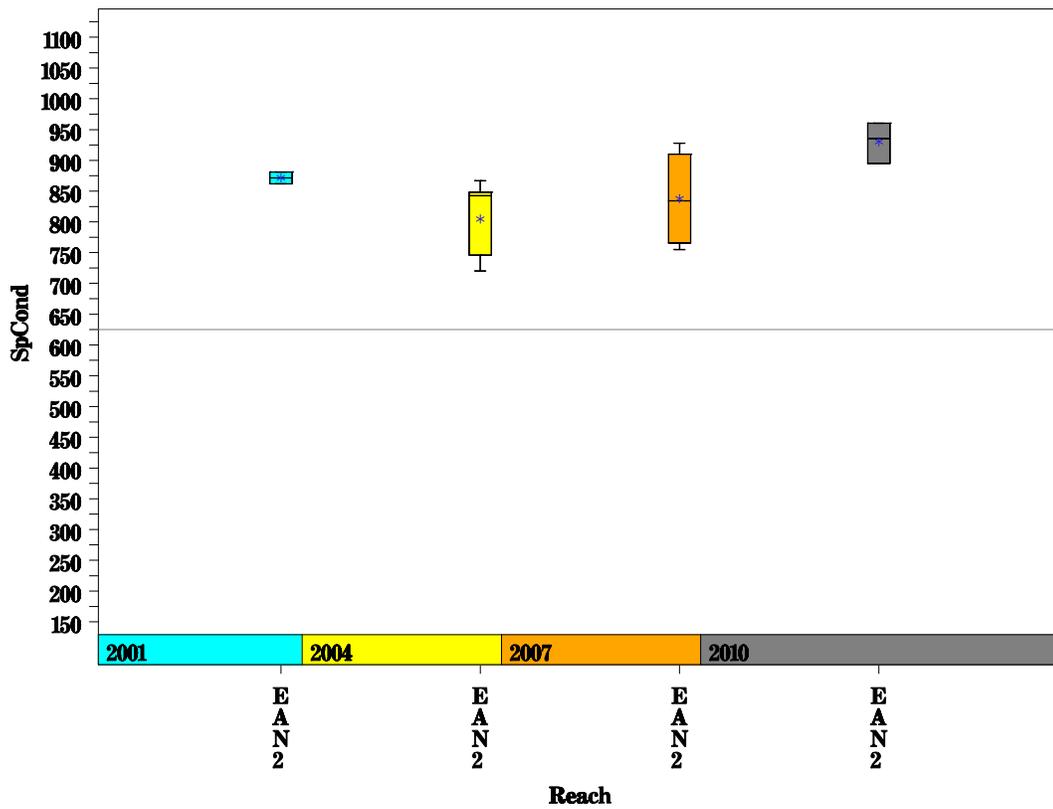
Eanes Creek Watershed

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

Parameter=PH Unit=Standard units Watershed=Eanes Creek



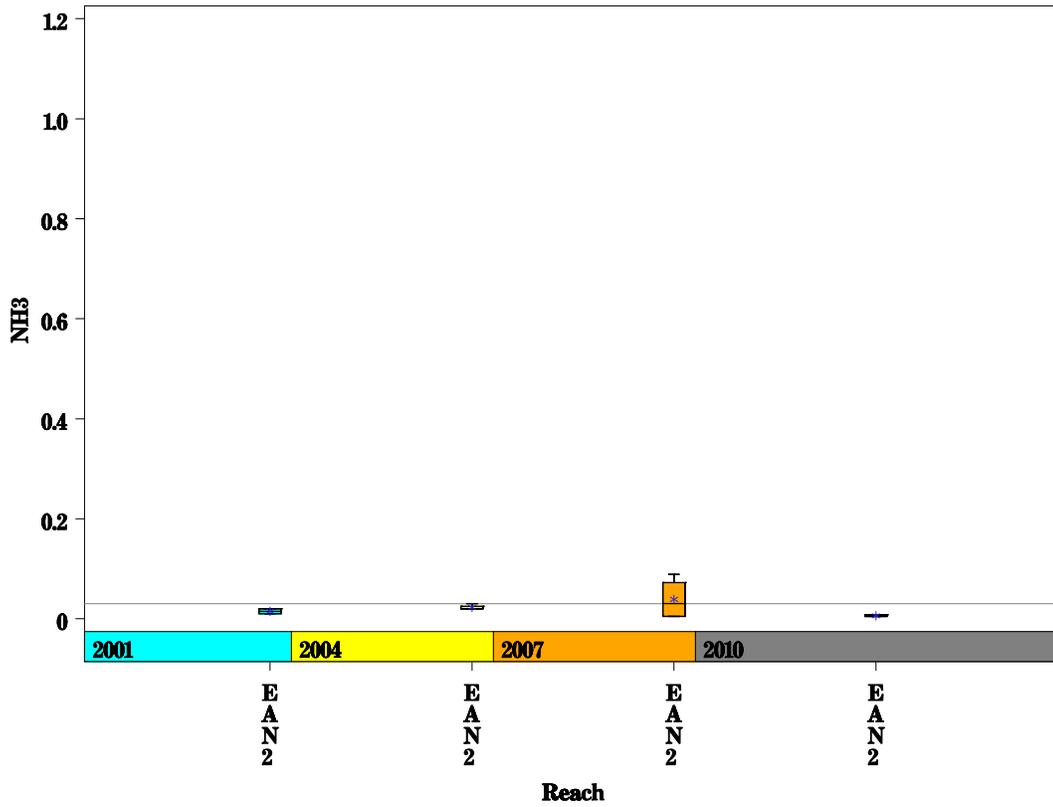
Parameter=CONDUCTIVITY Unit=uS/cm Watershed=Eanes Creek



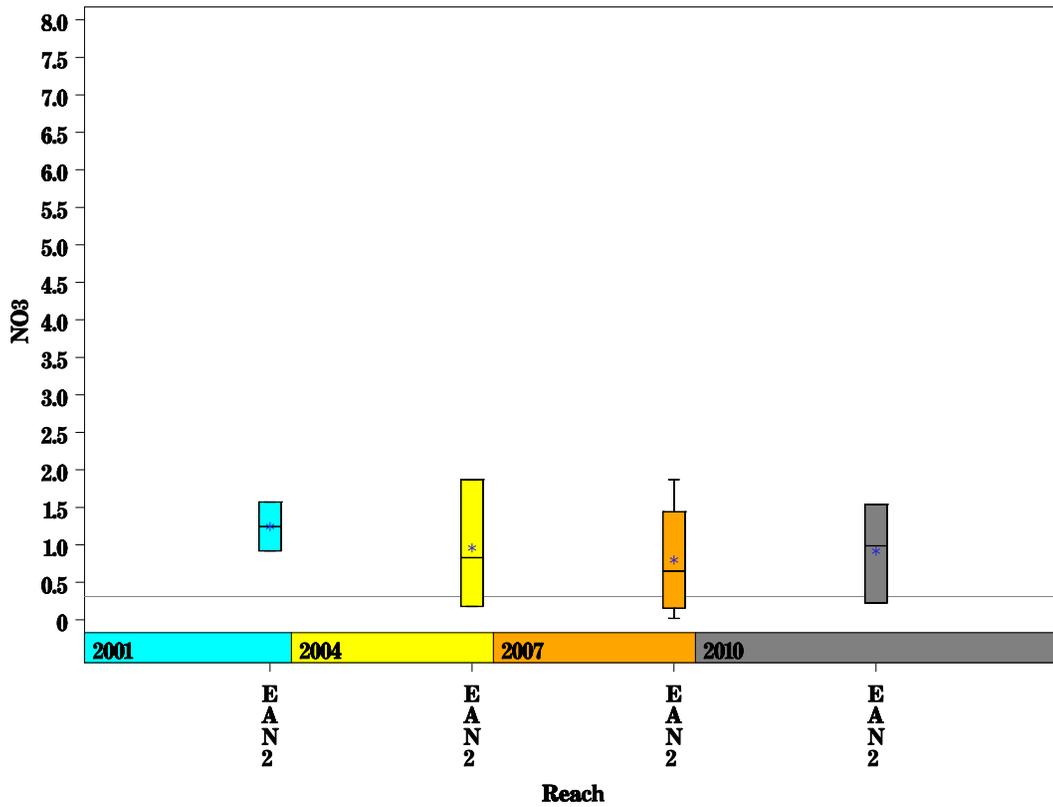
Eanes Creek Watershed

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

Parameter = AMMONIA AS N Unit = MG/L Watershed = Eanes Creek



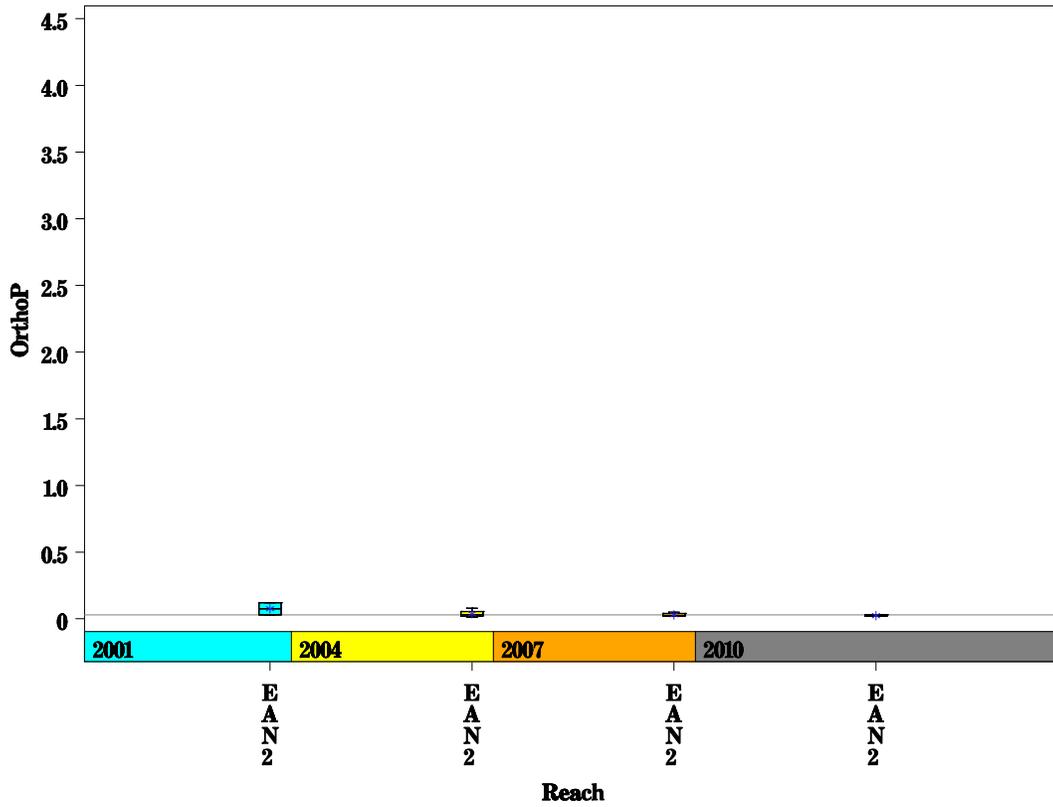
Parameter = NITRATE AS N Unit = MG/L Watershed = Eanes Creek



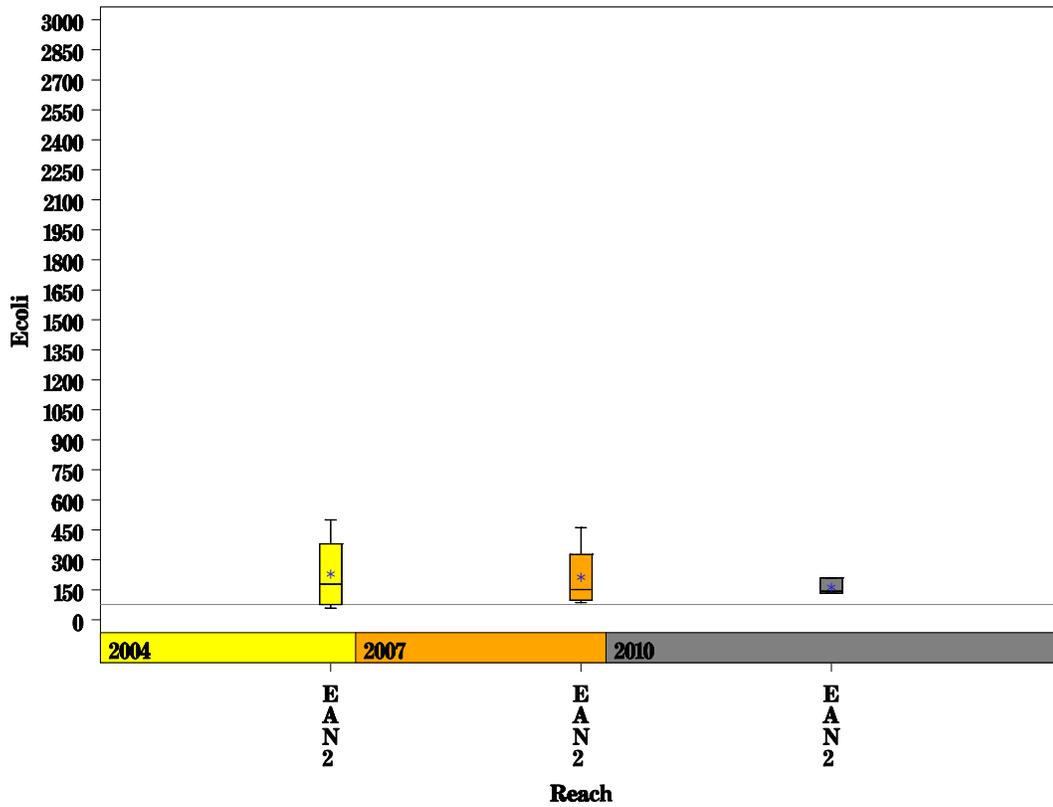
Eanes Creek Watershed

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

Parameter = ORTHOPHOSPHORUS AS P Unit = MG/L Watershed = Eanes Creek



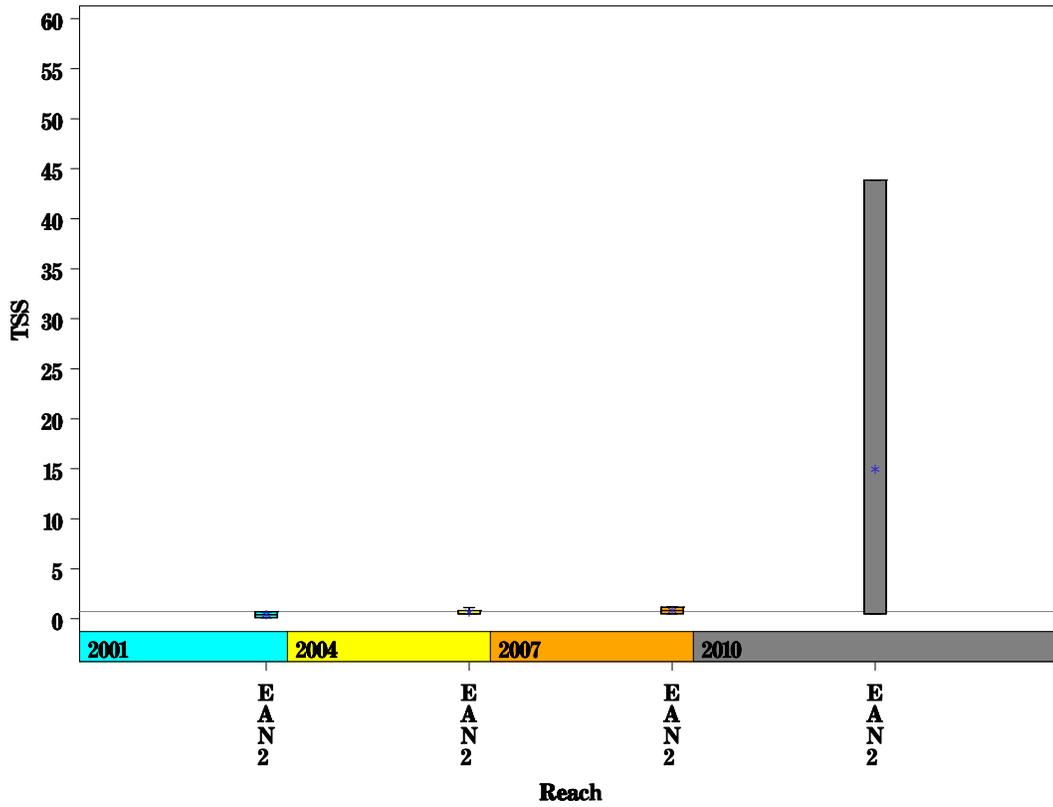
Parameter = E COLI BACTERIA Unit = MPN/dL Watershed = Eanes Creek



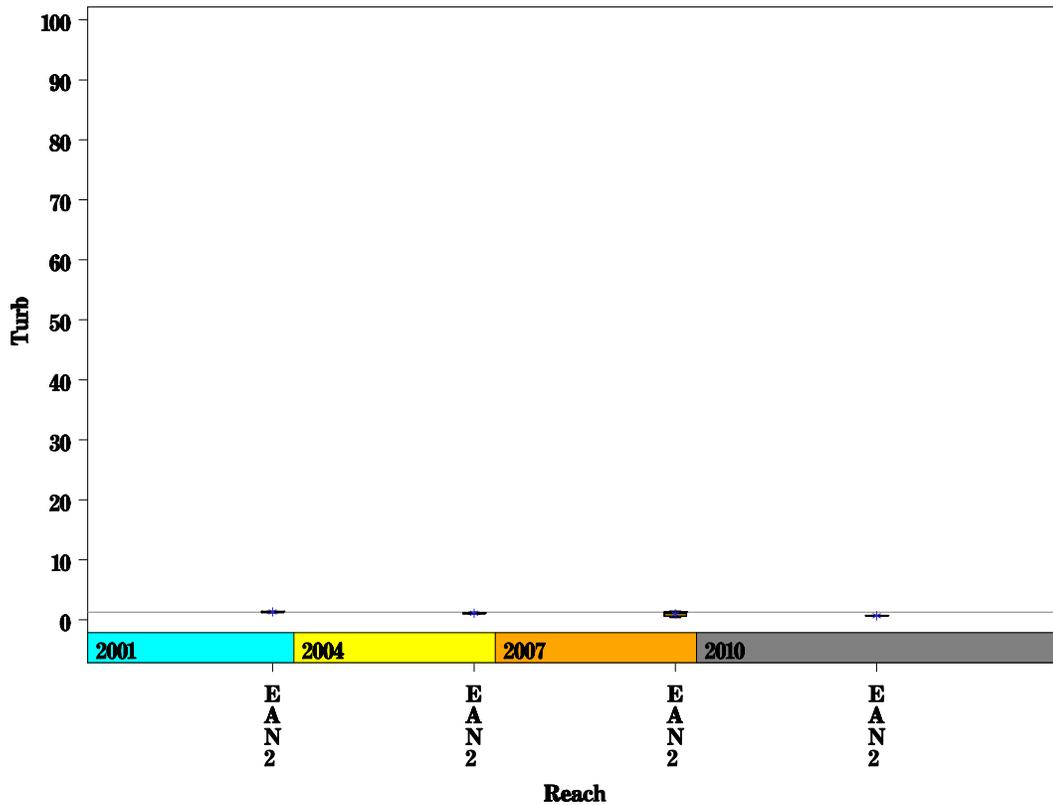
Eanes Creek Watershed

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

Parameter = TOTAL SUSPENDED SOLIDS Unit = MG/L Watershed = Eanes Creek

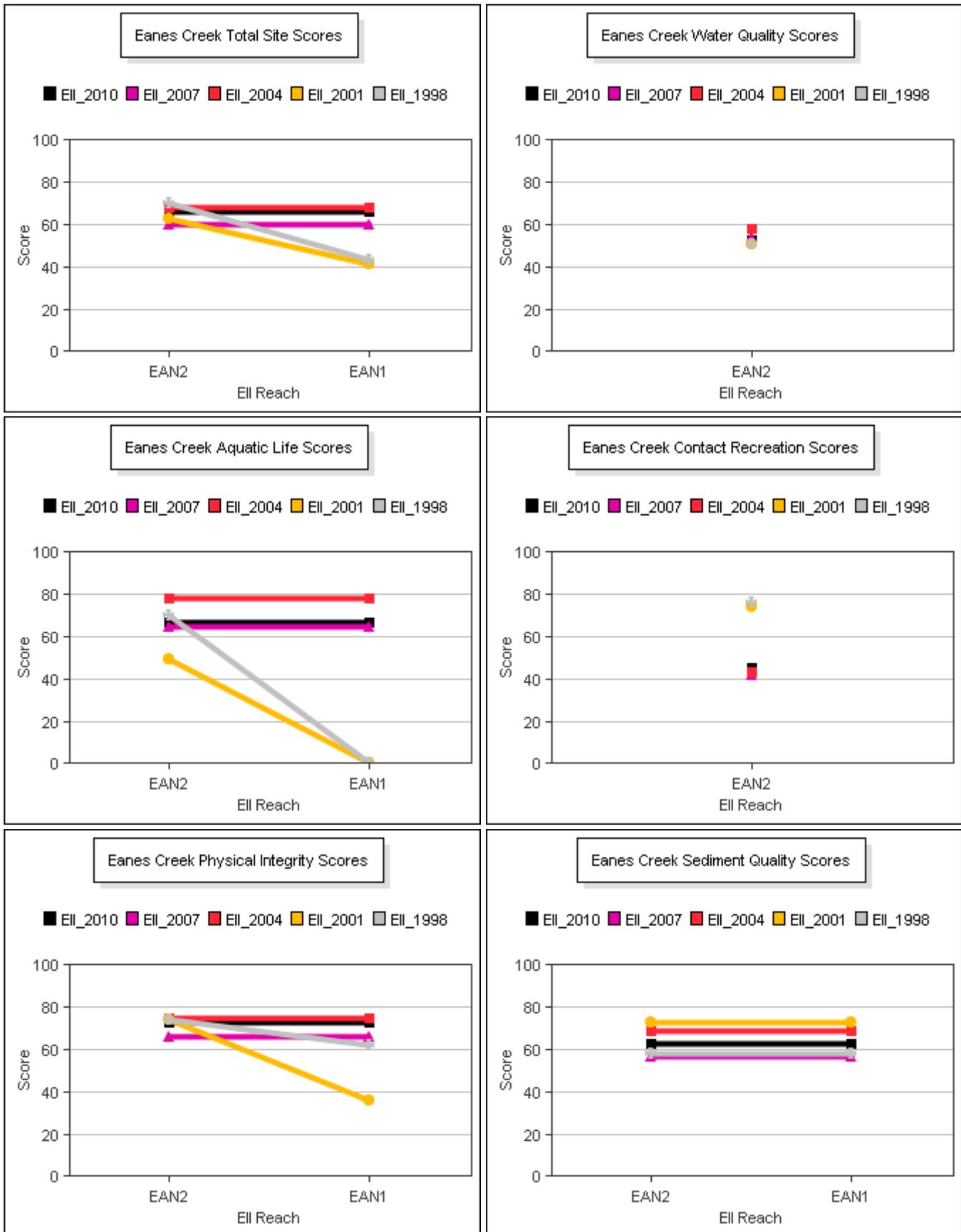


Parameter = TURBIDITY Unit = NTU Watershed = Eanes Creek



Eanes Creek Watershed

Score Summary – Reach scores for each sample year



Eanes Creek Watershed

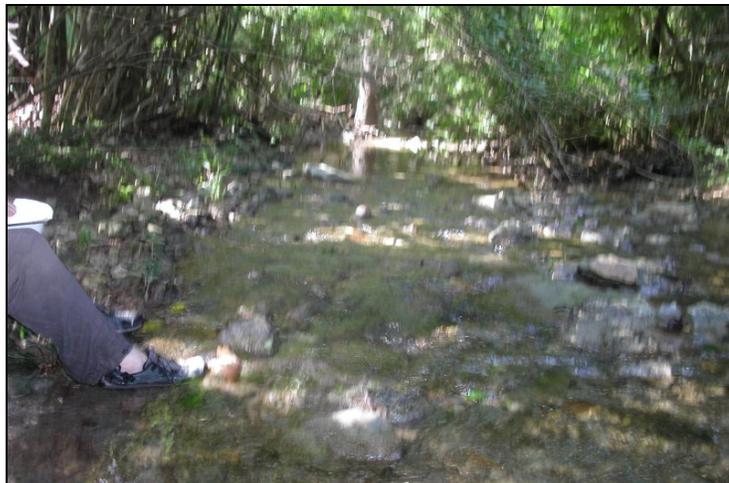
Site Photographs



1106_us_06_19_2007



1106_ur_06_19_2007



1106_ds_06_19_2007

Eanes Creek Watershed

Site Photographs



1106_00-us-05_17_2010



1106_00-ur-05_17_2010



1106_00-ds-05_17_2010

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