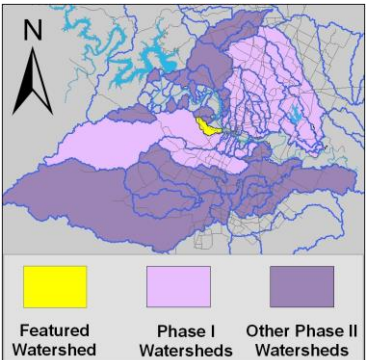


Eanes Creek Watershed

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)	25.7 %				
	Impervious cover (2013 estimate)	35.7 %				
Overall EII Scores	2001	2004	2007	2010	2012	2014
	61	68	60	66	67	43



Flow Regime* for Sample Sites on Eanes Creek

Site	Site Name	1999		2001				2004				2007				2010				2011				2012				2014					
		Jan	Jan	Mar	Mar	Jun	Sep	Dec	Mar	May	May	Jun	Oct	Dec	Feb	May	Jun	Sep	Dec	Mar	May	May	Oct	Dec	Mar	May	Jul	Sep	Jan	Apr	May	Jul	Sep
		WQ	Bio	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	Bio	WQ	WQ
1106	Camp Craft	B	B	B	B	n	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	n	n	n	B	B	n	B	n
182	Rollingwood	n	n	n		n	n	n																									

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

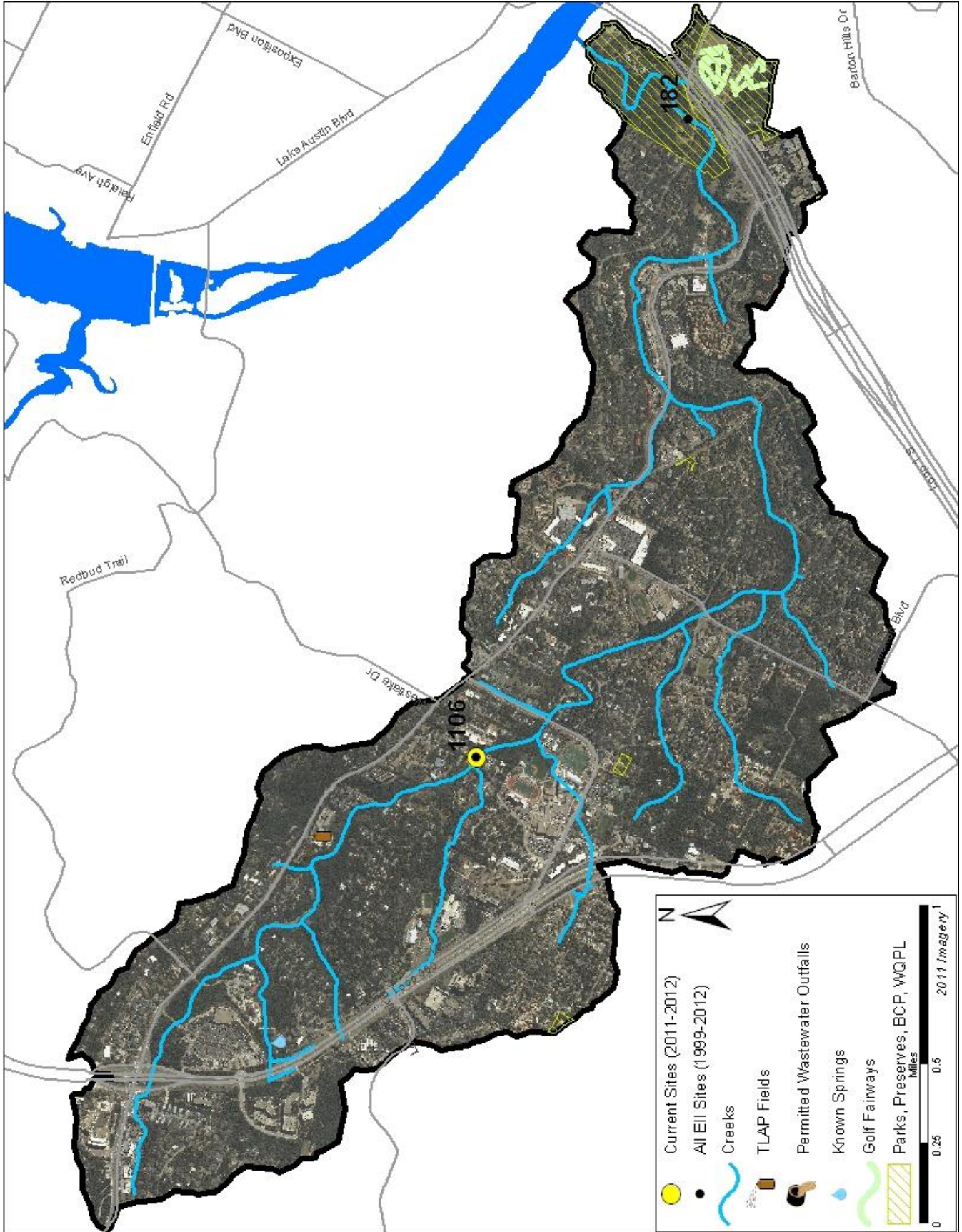
Index scores* for Eanes Creek by Year

Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Rec.	Non-Contact Rec.	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total EII 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
EAN2	1106	Eanes Creek @ Camp Craft Road	2012	55	74	50	62	75	85	83	86	67
EAN2	1106	Eanes Creek @ Camp Craft Road	2014	58		32	58	67				43

* 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

Water Quality Data – Temperature, Conductivity, pH, Dissolved Oxygen & E. coli for 2014 Sample Sites (Downstream to Upstream)

Qualifiers to the left of value:	>	greater than	Qualifiers to the right of value:	(blank)	Useable
	<	less than		S	Exceeds standard range
	< J	less than detection limit		R	Rejected, failed QC
	J	Estimated			

Site Name	Site #	Reach	Date	Temp. Value	Temp. flag	Cond. Value	Cond. flag	pH Value	pH flag	D.O. Value	D.O. flag	E.coli Value	E.coli flag
Eanes @ Camp Craft Rd	1106	EAN2	01/15/2014	11.8		1038		7.91		9.8		105.0	
Eanes @ Camp Craft Rd	1106	EAN2	04/17/2014	15.7		860		7.95		8.9		> 2419.6	
Eanes @ Camp Craft Rd	1106	EAN2	07/02/2014	28.6		956		7.98		8.2		686.7	
Site 1106 Mean				18.7		951		7.95		9.0		1070.4	
Watershed Mean				18.7		951		7.95		9.0		1070.4	

Orange highlighting indicates that the value exceeds one standard deviation from the mean of all E.I.I. sites combined.

Summary Statistics for all 2013 – 2014 E.I.I. Sites Combined.					
Parameter	2013-2014 Average	2013-2014 Minimum	2013-2014 Maximum	1 Standard Deviation Above	1 Standard Deviation Below
Temperature (C°)	19.6	8.6	34.0	25.8	
Conductivity (uS/cm)	711	107	1783	942	
pH (Standard units)	7.86	6.96	8.97	8.19	7.52
D.O. (mg/l)	8.1	1.2	30.5	11.4	4.8
E.coli. (col/100ml)	435	1	4840	1127	

Eanes Creek Watershed

Water Quality Data – Ammonia, Nitrate / Nitrite, Ortho-Phosphorus, Total Suspended Solids & Turbidity for 2014 Sample Sites (Downstream to Upstream)

Qualifiers to the left of value:	>	greater than	Qualifiers to the right of value:	(blank)	Useable	
	<	less than		S	Exceeds standard range	
	< J	less than detection limit		R	Rejected, failed QC	
	J	Estimated				

Site Name	Site #	Reach	Date	NH3-N		NO3/NO2		Ortho-P		T.S.S.		Turb.		
				<>	Value	flag	<>	Value	flag	<>	Value	flag	<>	Value
Eanes @ Camp Craft Rd	1106	EAN2	01/15/2014	<J	0.008		0.27	<J	0.004	<J	1.0		0.9	R
Eanes @ Camp Craft Rd	1106	EAN2	04/17/2014		0.038		0.24	<J	0.004	<J	1.1		0.9	R
Eanes @ Camp Craft Rd	1106	EAN2	07/02/2014	<J	0.008		0.01	<J	0.004	<J	1.0		0.6	
Site 1106 Mean					0.018		0.17		0.004		1.0		0.8	
Watershed Mean					0.018		0.17		0.004		1.0		0.8	

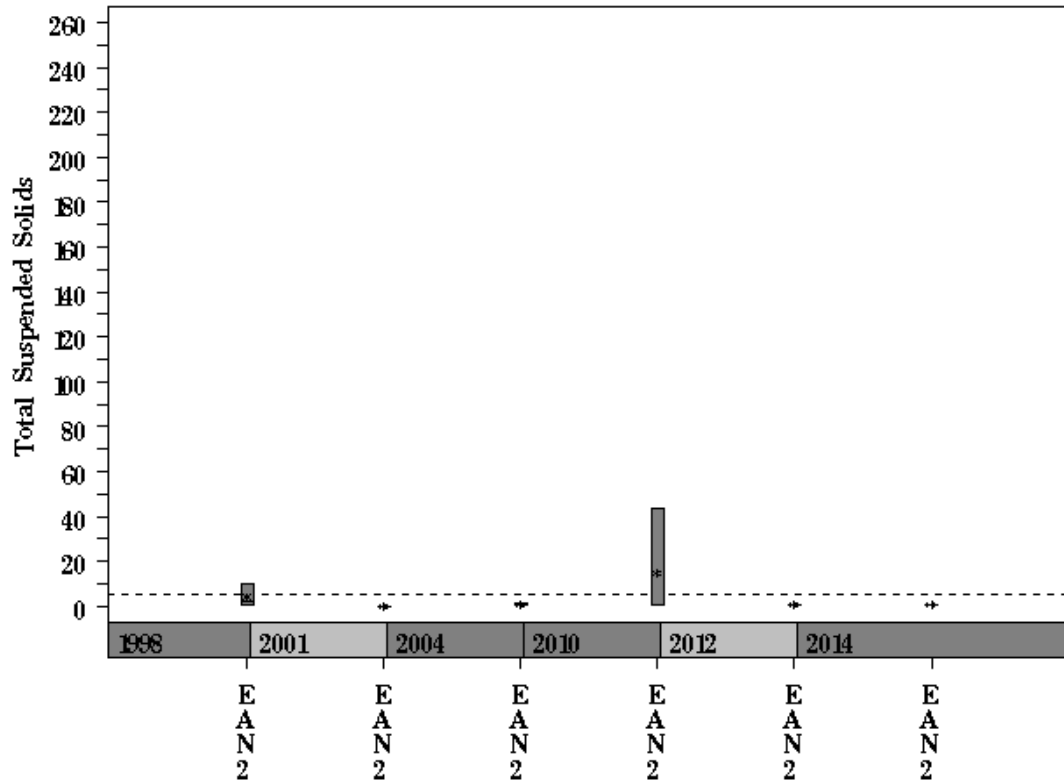
Orange highlighting indicates that the value exceeds one standard deviation from the mean of all E.I.I. sites combined.

Summary Statistics for all 2013 – 2014 E.I.I. Sites Combined.				
Parameter	2013-2014 Mean	2013-2014 Minimum	2013-2014 Maximum	1 Standard Deviation Above
NH3-M (mg/l)	0.031	0.008	2.250	0.150
NO3-N (mg/l)	1.16	0.01	16.30	4.02
Ortho-P (mg/l)	0.041	0.004	1.360	0.164
TSS (mg/l)	5.6	1.0	70.0	15.3
Turbidity (NTU)	4.5	0.0	97.1	13.2

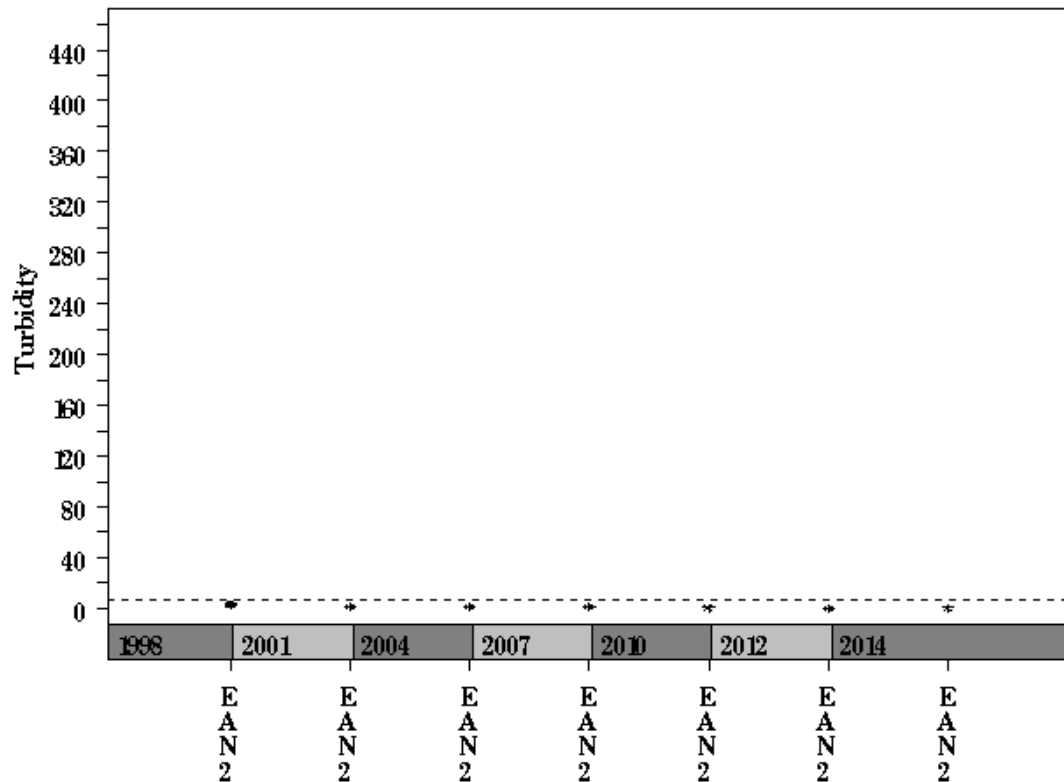
Eanes Creek Watershed

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

Parameter= TOTAL SUSPENDED SOLIDS Unit= mg/L Watershed= Eanes



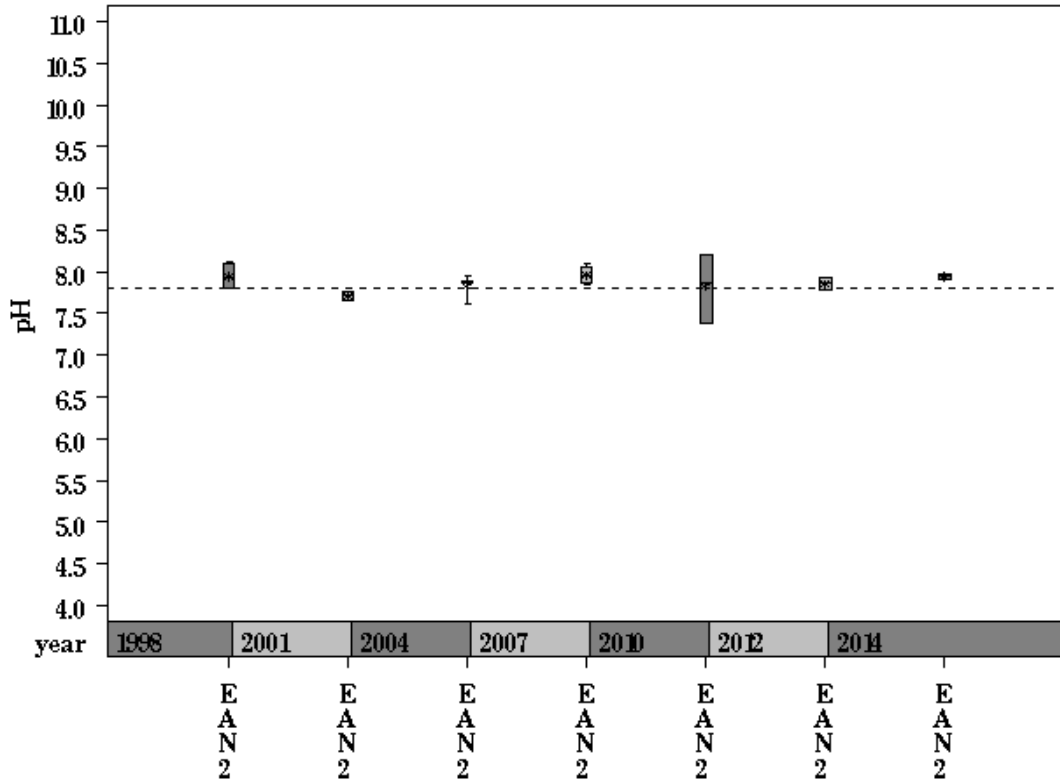
Parameter= TURBIDITY Unit= NTU Watershed= Eanes



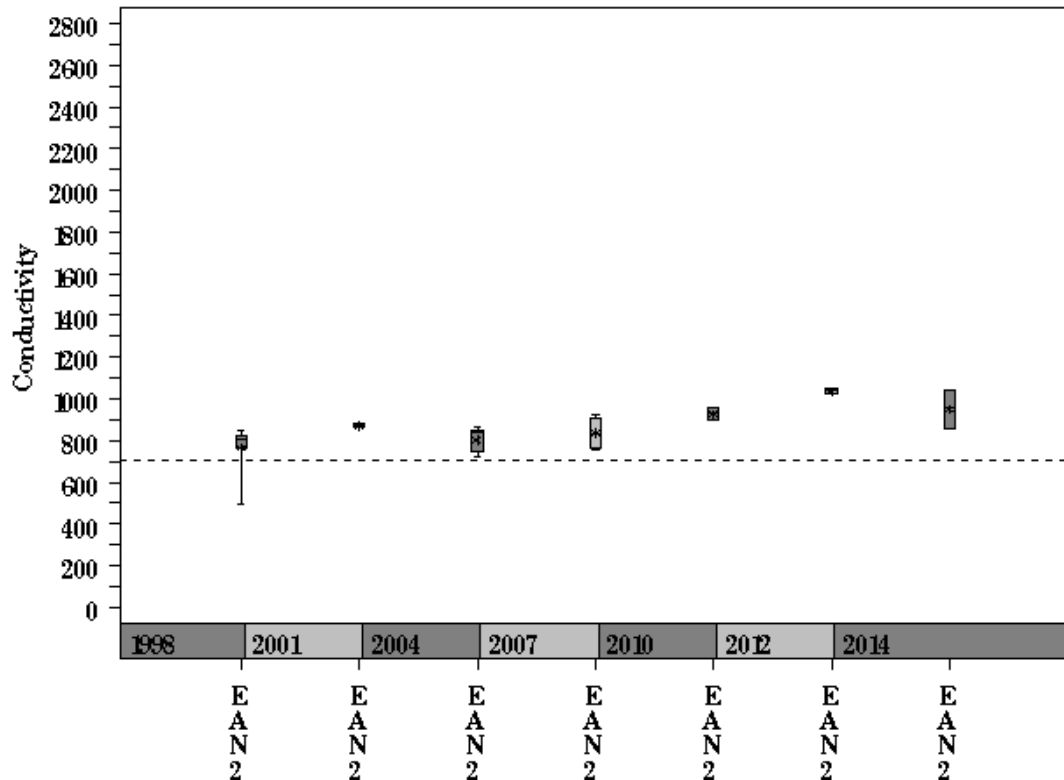
Eanes Creek Watershed

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

Parameter= PH Unit= Standard units Watershed= Eanes



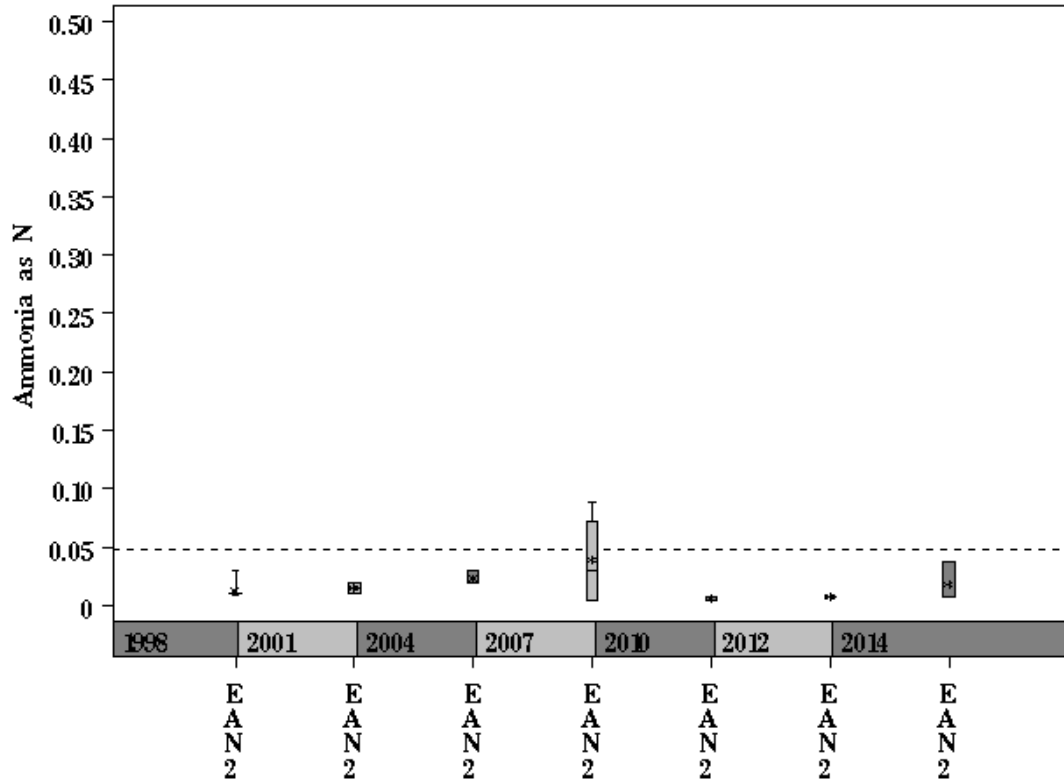
Parameter= CONDUCTIVITY Unit= uS/cm Watershed= Eanes



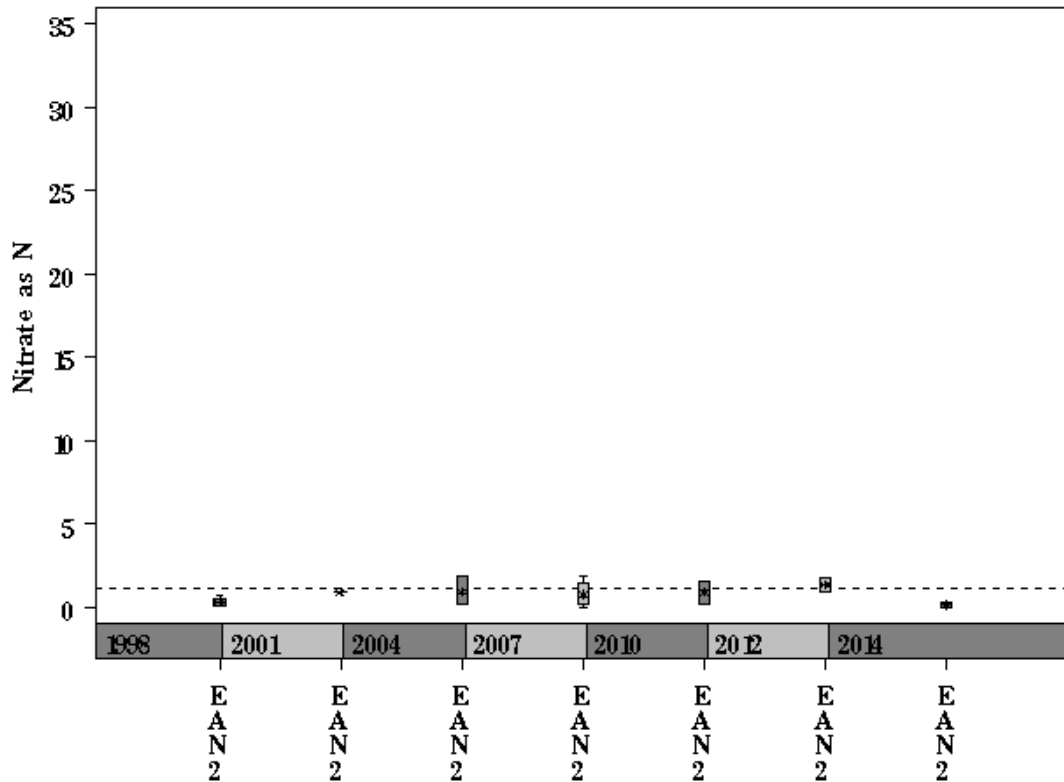
Eanes Creek Watershed

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

Parameter= AMMONIA AS N Unit= mg/L Watershed= Eanes



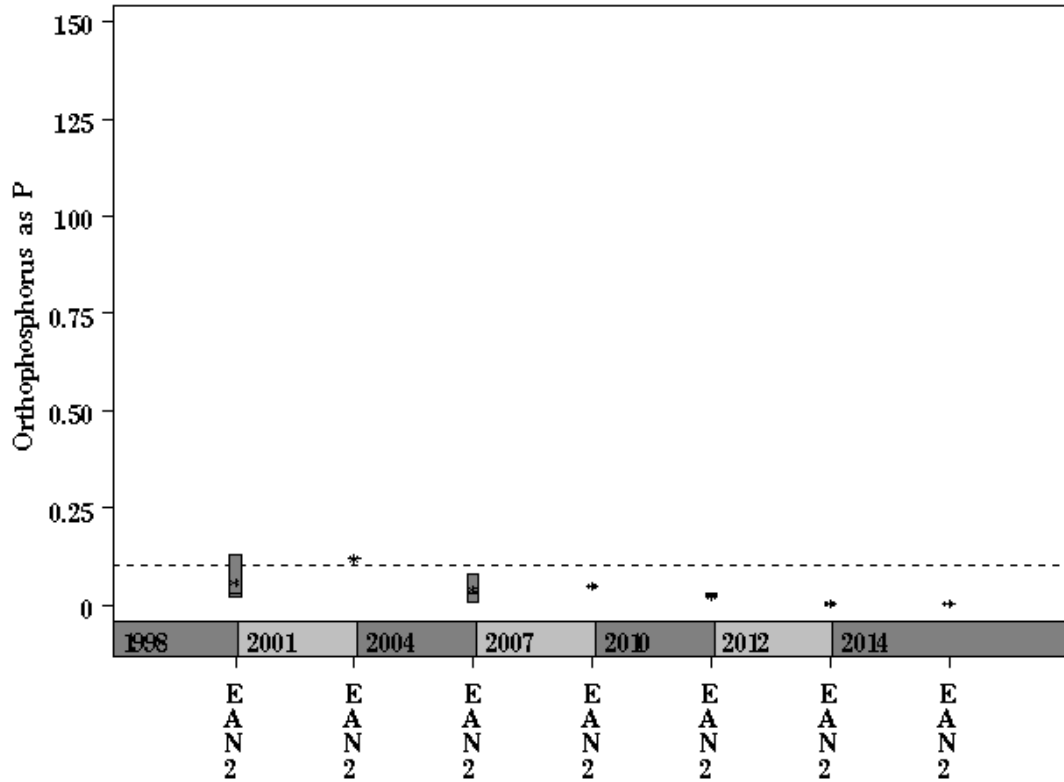
Parameter= NITRATE AS N Unit= mg/L Watershed= Eanes



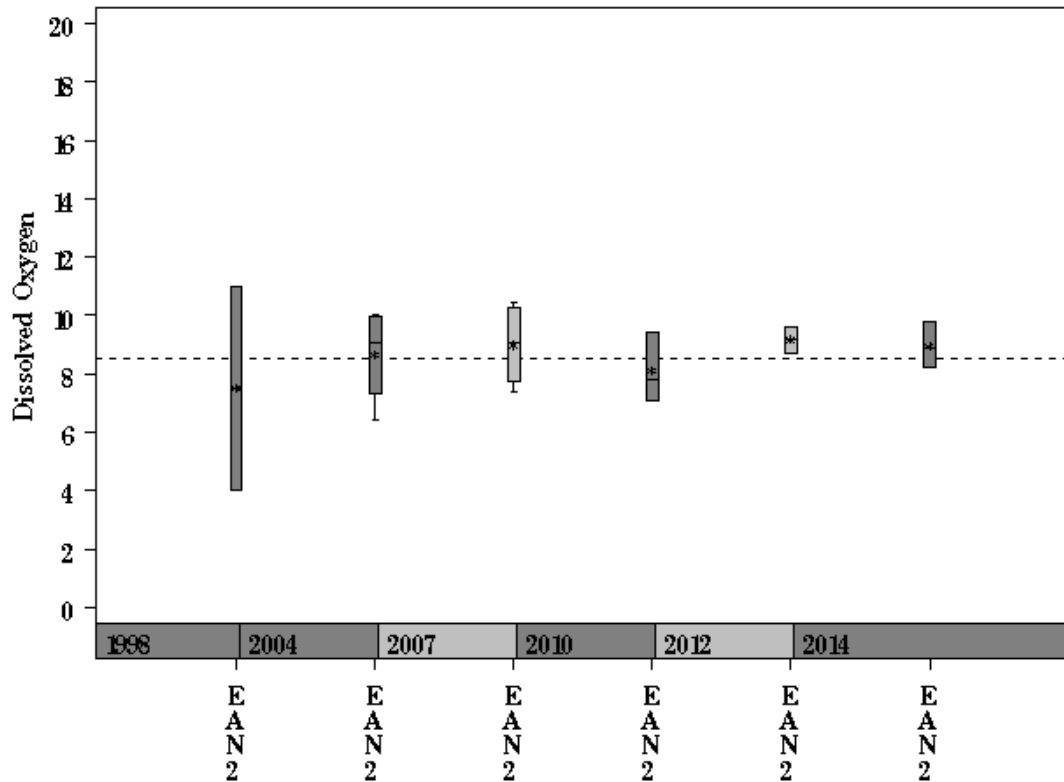
Eanes Creek Watershed

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

Parameter= ORTHOPHOSPHORUS AS P Unit= mg/L Watershed= Eanes

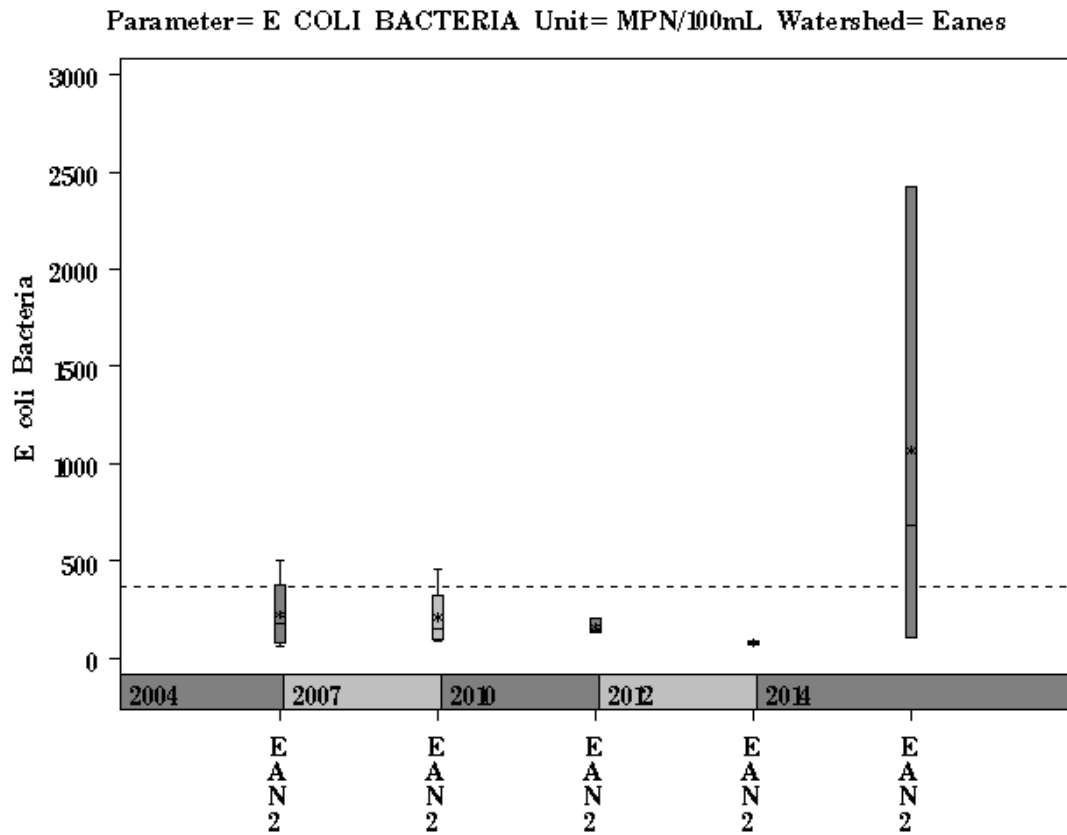


Parameter= DISSOLVED OXYGEN Unit= mg/L Watershed= Eanes



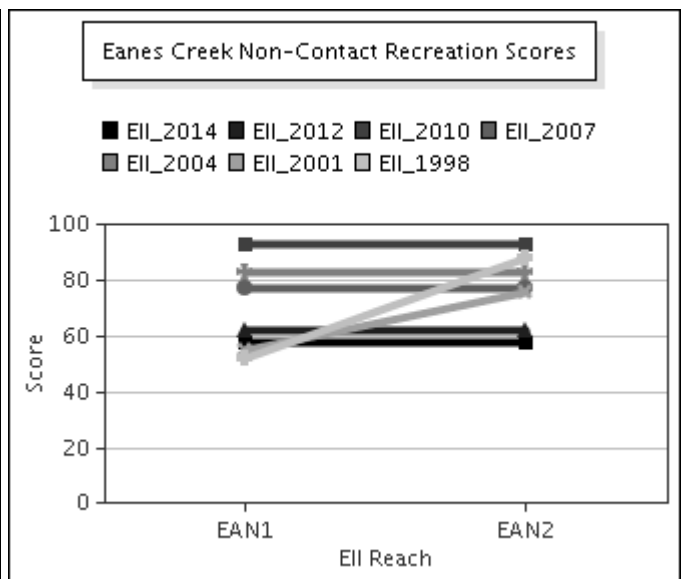
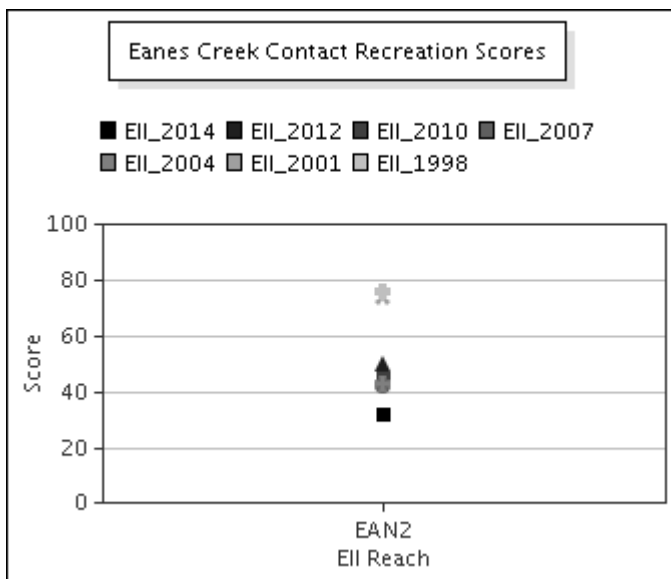
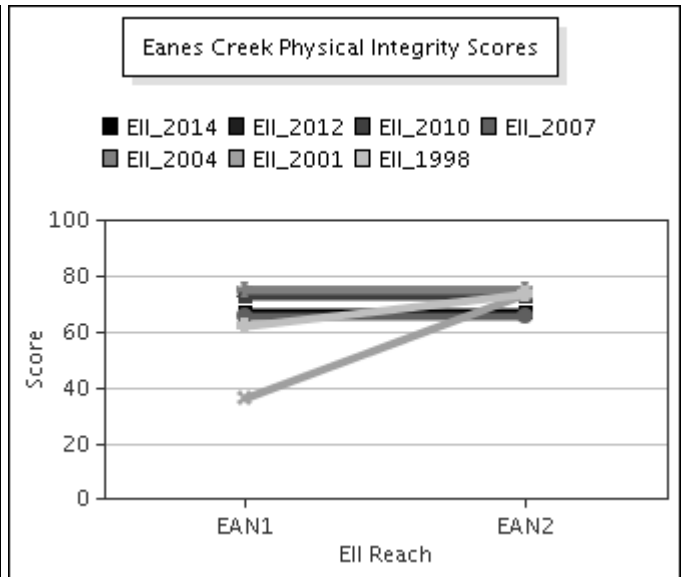
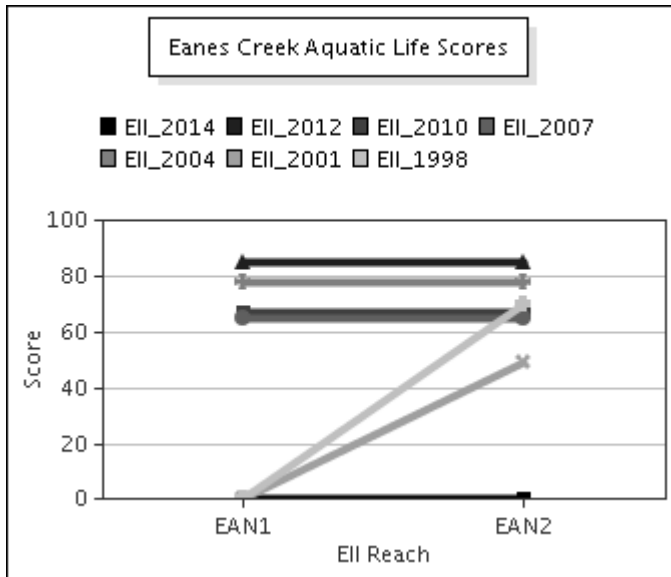
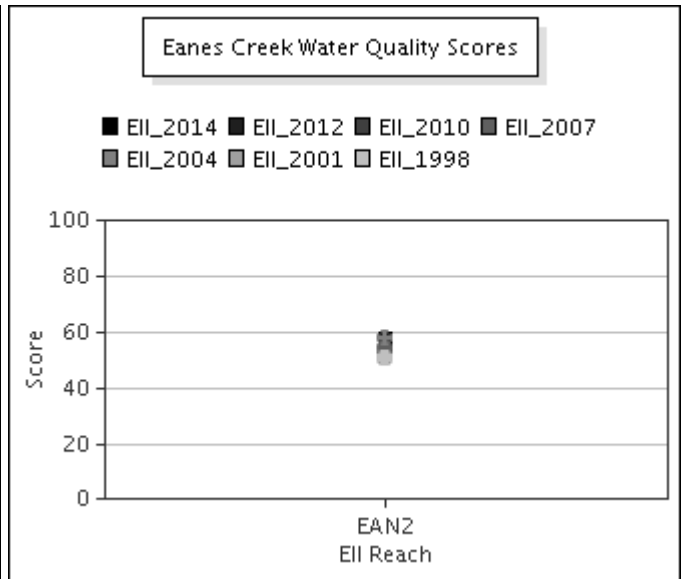
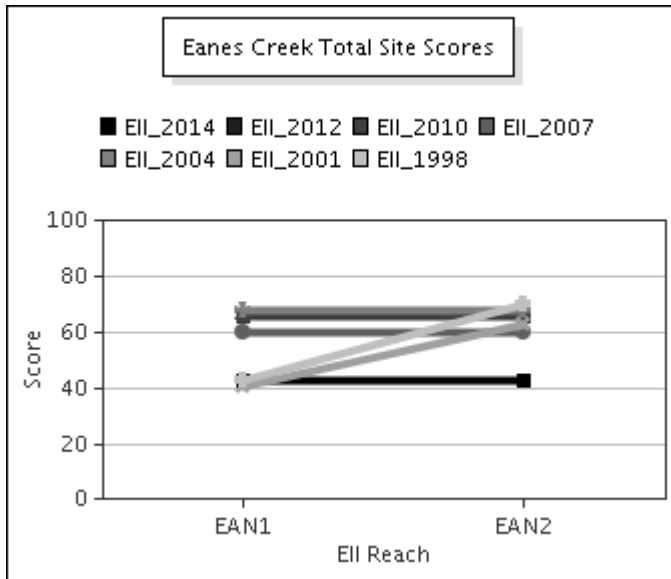
Eanes Creek Watershed

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



Eanes Creek Watershed

Score Summary – Reach scores for each sample year



Eanes Creek Watershed

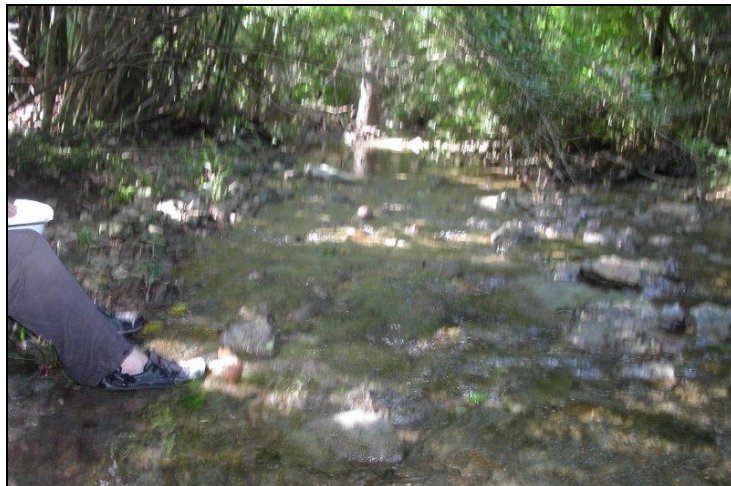
Site Photographs



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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