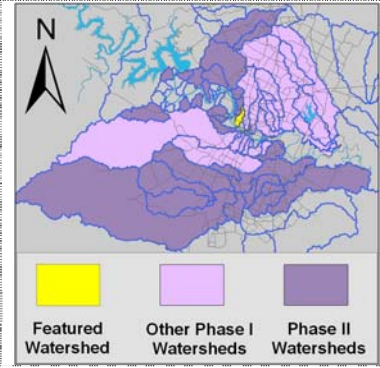


Johnson Creek Watershed

Summary Sheet

Catchment	Total area	2 square miles				
	Area in recharge	1.9 square miles				
	Creek length	3 miles				
Demographics	Receiving water	Town Lake				
	2000 population	7,655				
	2030 projected population	10,820				
	30 year projected % increase	41 %				
Land Use	Impervious cover (2003 estimate)	44.18 %				
Overall EII Scores	2000	2003	2006	2009	2011	
	53	56	47	51	36	



Flow Regime* for Sample Sites on Johnson Creek

Site #	Site Name	2003						2006					2009					2010	2011			
		Feb	Mar	Mar	May	Sep	Dec	Feb	May	Jul	Aug	Nov	Feb	May	May	Oct	Dec	Dec	Mar	Jun	Jun	Sep
		WQ	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ
847	South Tarrytown	B	B	B	B	B	B															
897	Woodmont	n	B	B	n	n	n	n	B	B	n	B	B	B	B	B	n	n	n	n	n	n

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

Summary of 2011 Data for Johnson Creek

Summary	Parameter	Mean	Max	Min	Discussion
Physicochemical	D.O. mg/l				No data collected for 2011 due to lack of flow.
	pH st.units				
	Cond uS/cm				
Nutrients	NH ₃ mg/l				
	NO ₃ mg/l				
	Ortho P mg/l				
Sediment Load	TSS mg/l				
	Turbidity ntu				
Biology	E.Coli /100ml				
	Benthic Macs:				
	Diatoms:				

Index Scores* for Johnson Creek Sites by Year

Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Recreation	Non-Contact Rec.	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total EII Score
JOH1	489	Johnson Creek @ Stephen F Austin Drive	2000		82		65	23				43
JOH1	847	Johnson Creek @ South Tarrytown	2000	43	82	70	87	43	34	47	20	60
JOH1	1357	Unnamed (Possum Trot) Trib US of West 7th St	2000		82		78	30				48
JOH1	847	Johnson Creek @ South Tarrytown	2003	49	60	53	71	57	39	61	16	55
JOH1	897	Johnson Creek @ Woodmont Avenue	2003		60		75	57	33	37	28	56
JOH1	897	Johnson Creek @ Woodmont Avenue	2006	44	65	24	49	45	55	36	73	47
JOH1	897	Johnson Creek @ Woodmont Avenue	2009	49	73	27	59	41	59	59	58	51
JOH1	897	Johnson Creek @ Woodmont Avenue	2011				60	48				36

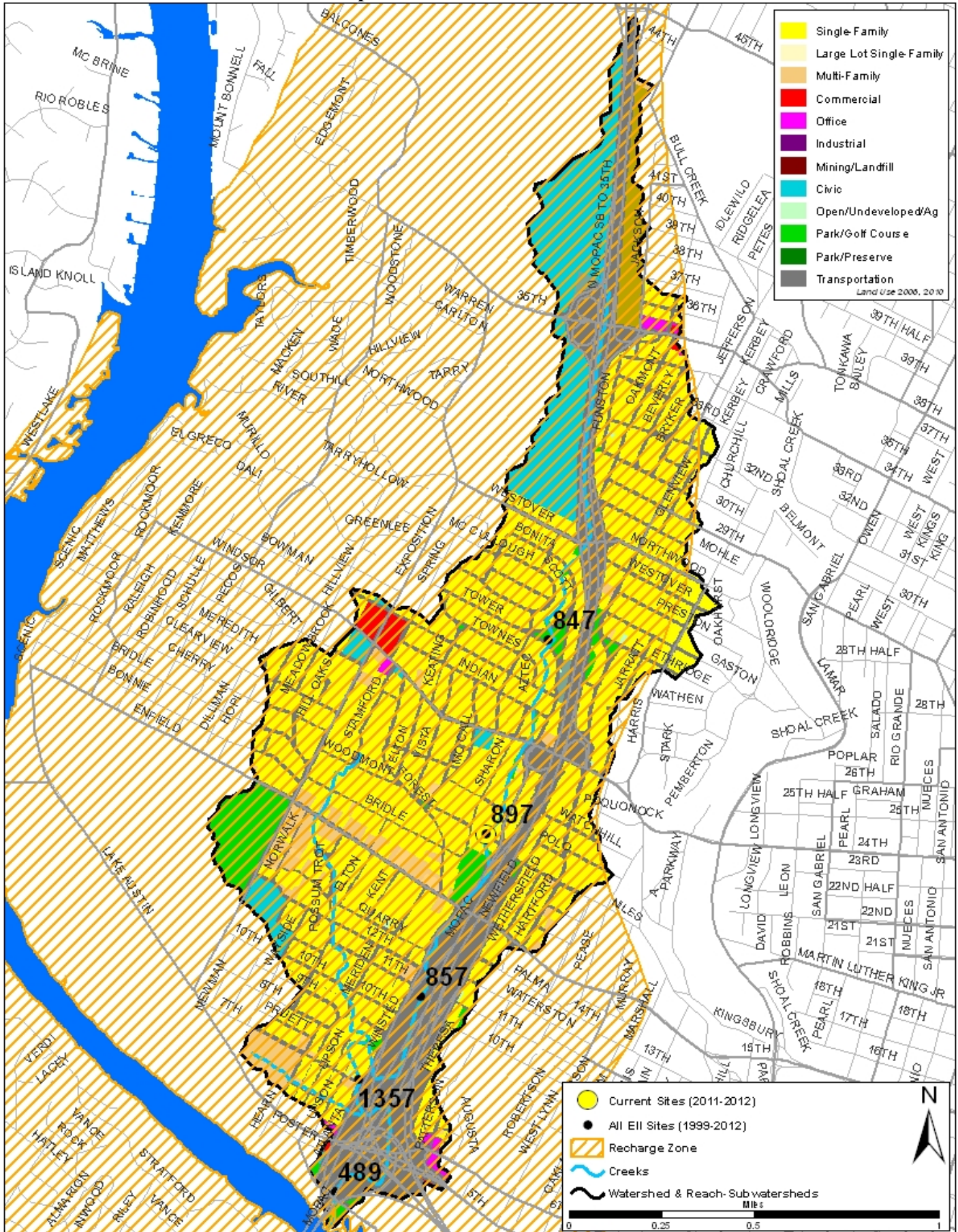
* blank cells indicate parameter was not collected, blank row indicate site was dropped

**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

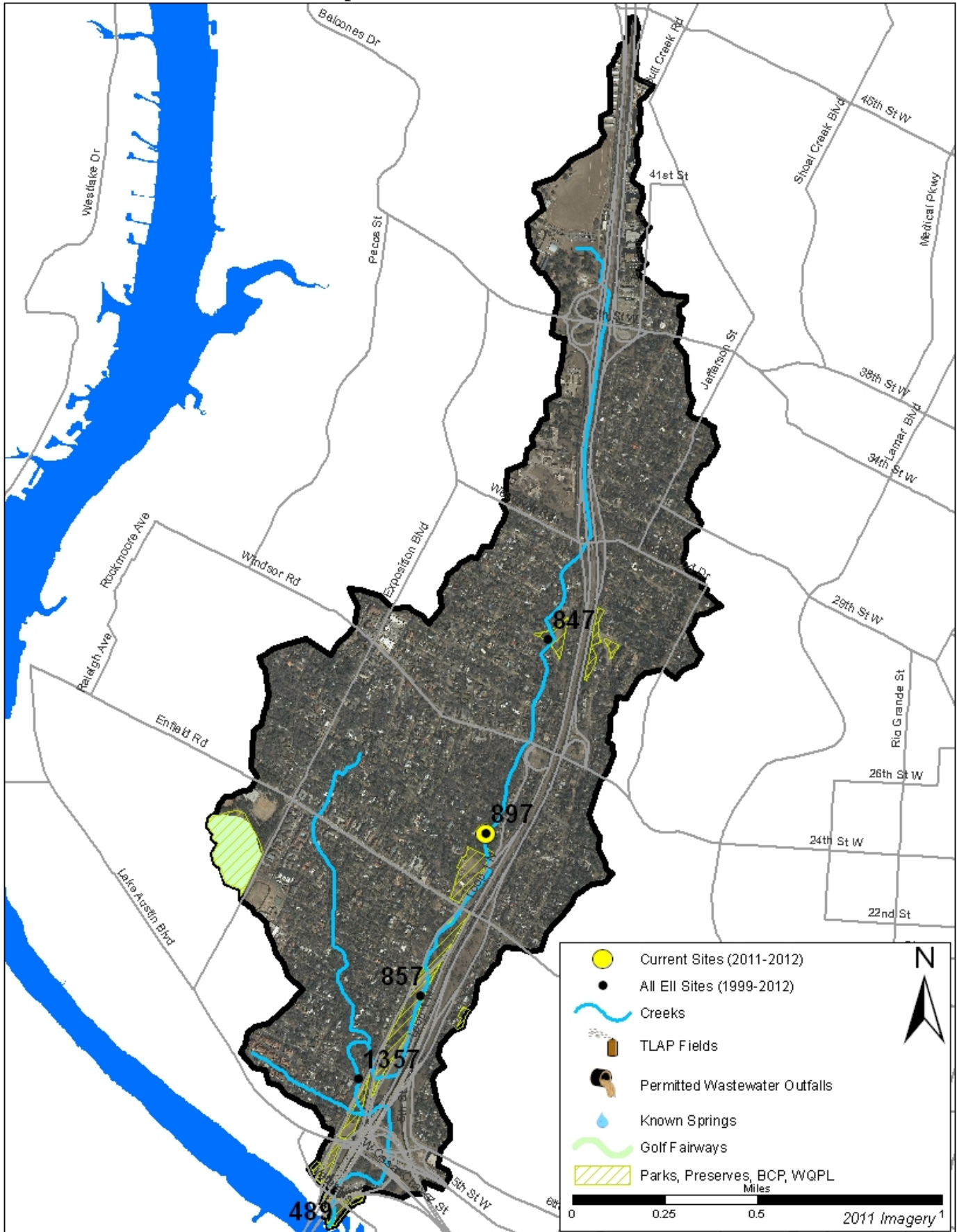
Johnson Creek Watershed

Land Use Map



Johnson Creek Watershed

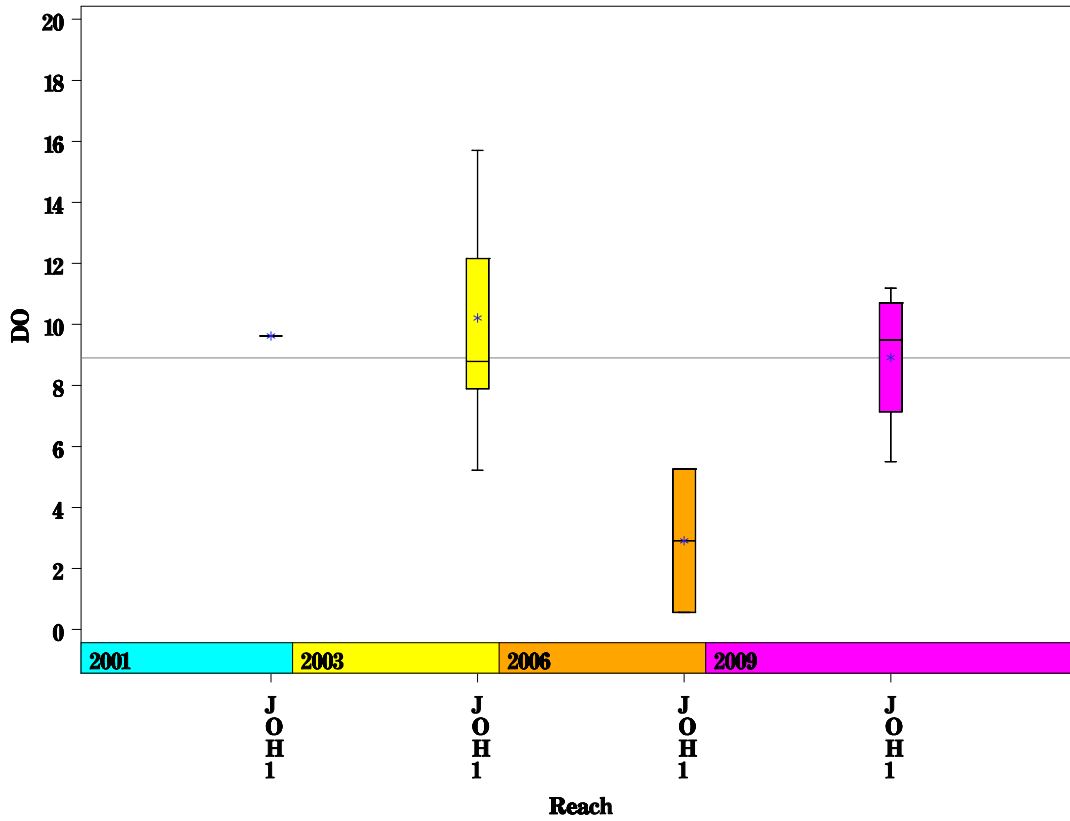
Aerial Map



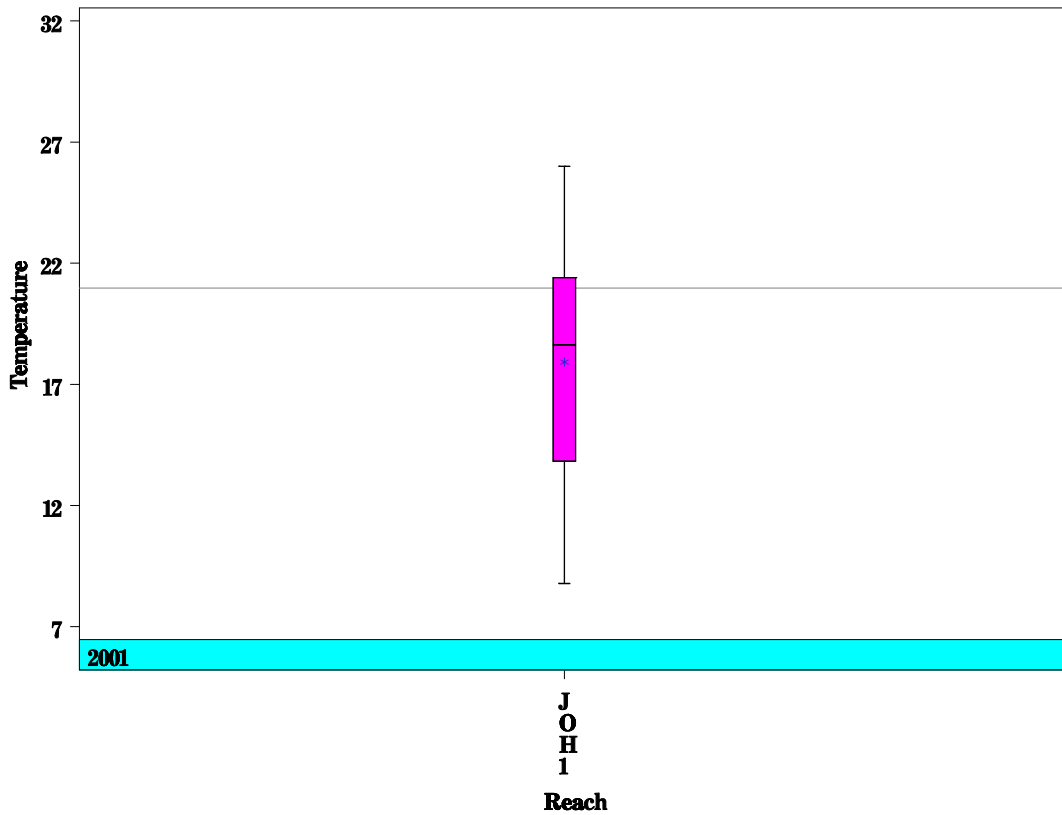
Johnson Creek Watershed

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

Parameter = DISSOLVED OXYGEN Unit = MG/L Watershed = Johnson Creek



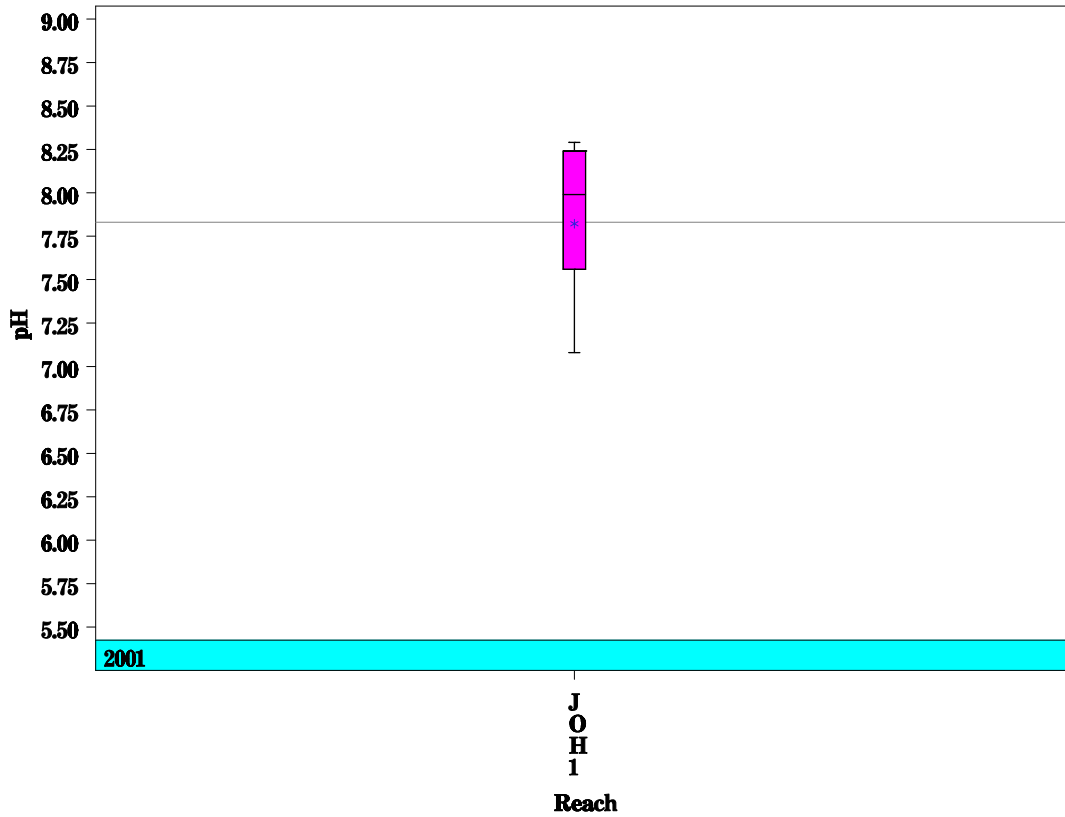
Parameter = WATER TEMPERATURE Unit = Deg. Celsius Watershed = Johnson Creek



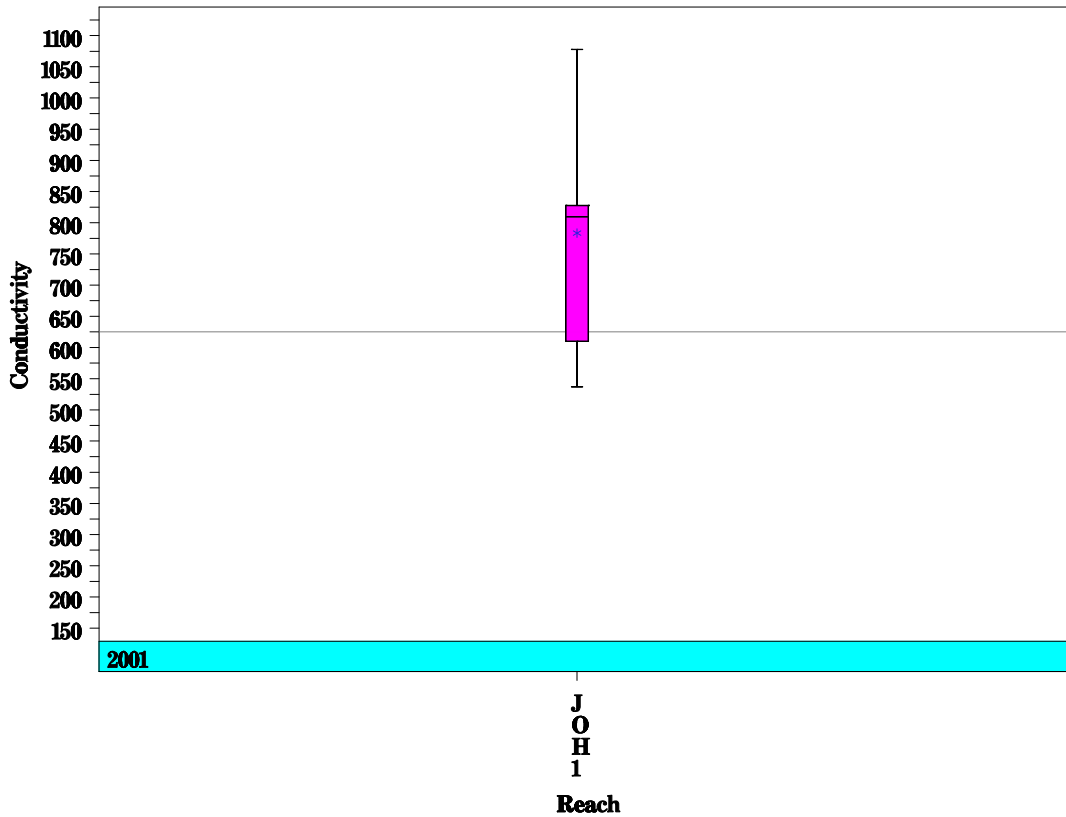
Johnson Creek Watershed

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

Parameter=PH Unit=Standard units Watershed=Johnson Creek



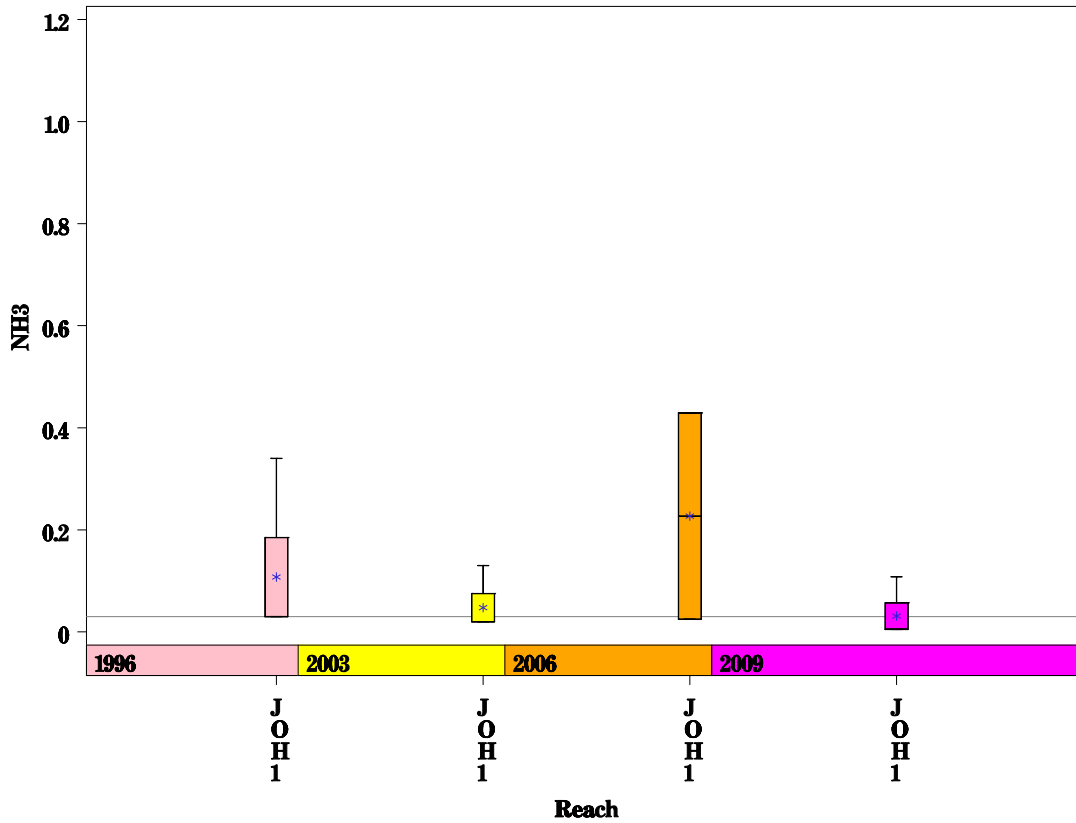
Parameter=CONDUCTIVITY Unit=uS/cm Watershed=Johnson Creek



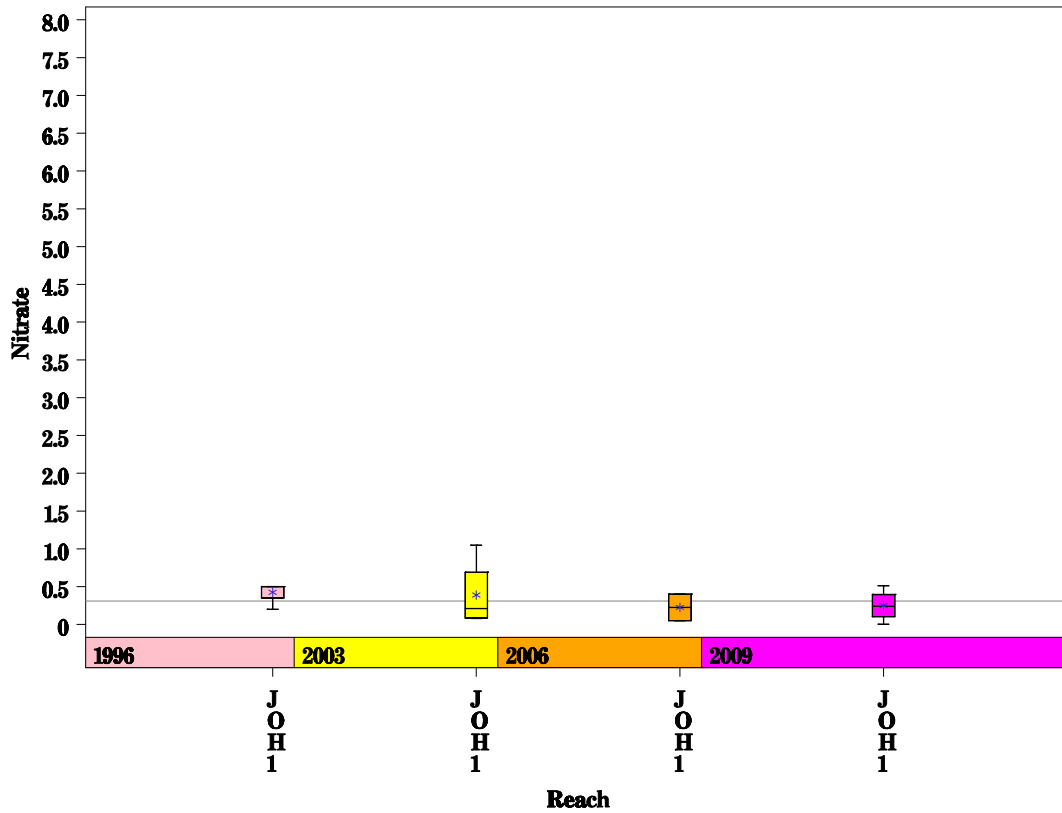
Johnson Creek Watershed

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

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



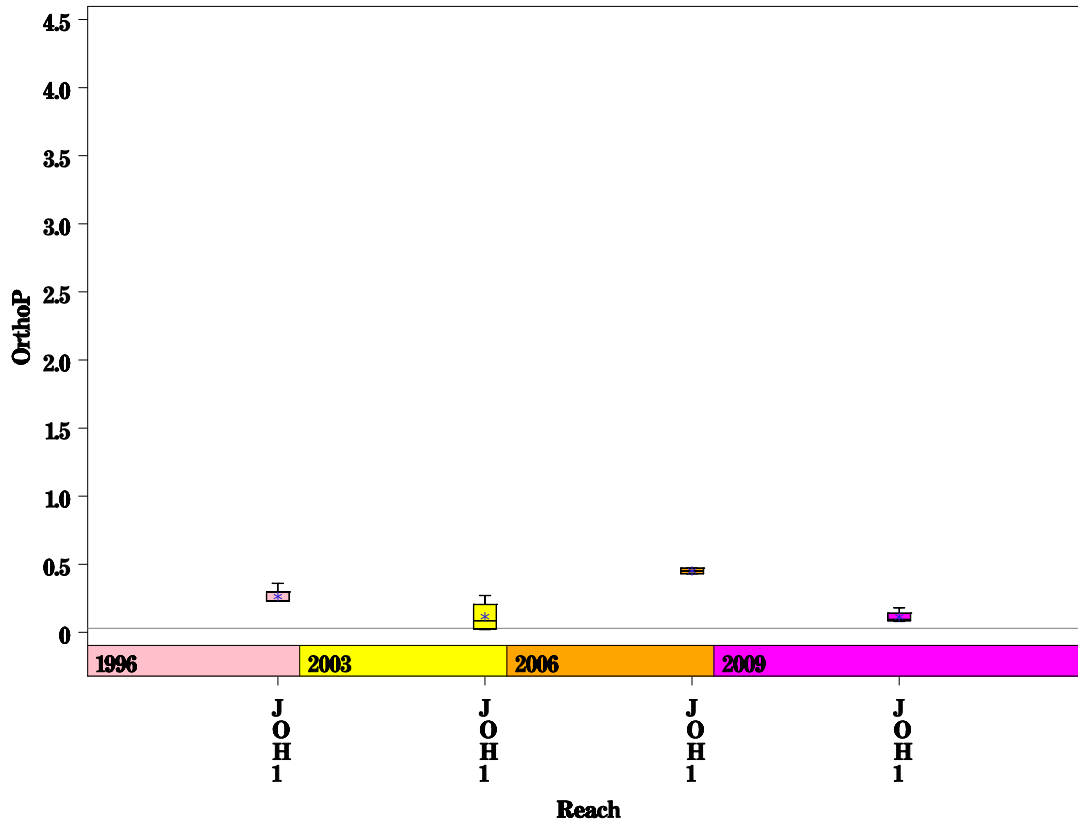
Parameter=NITRATE AS N Unit=MG/L Watershed=Johnson Creek



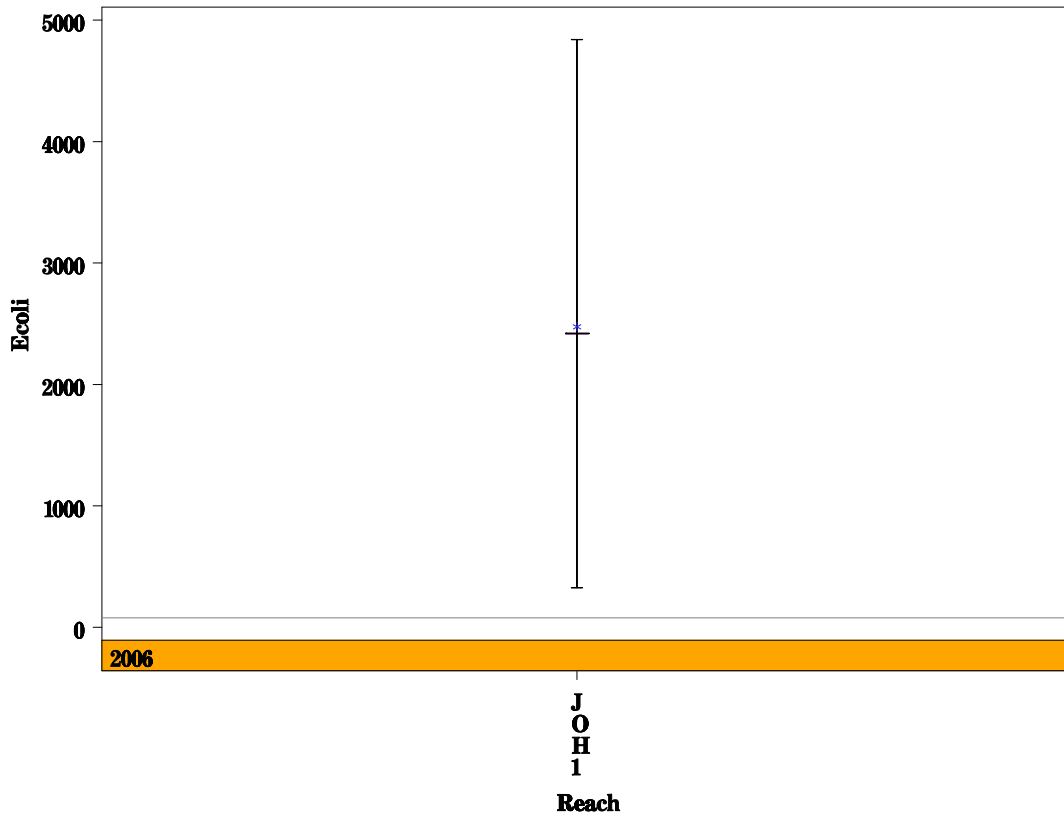
Johnson Creek Watershed

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

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

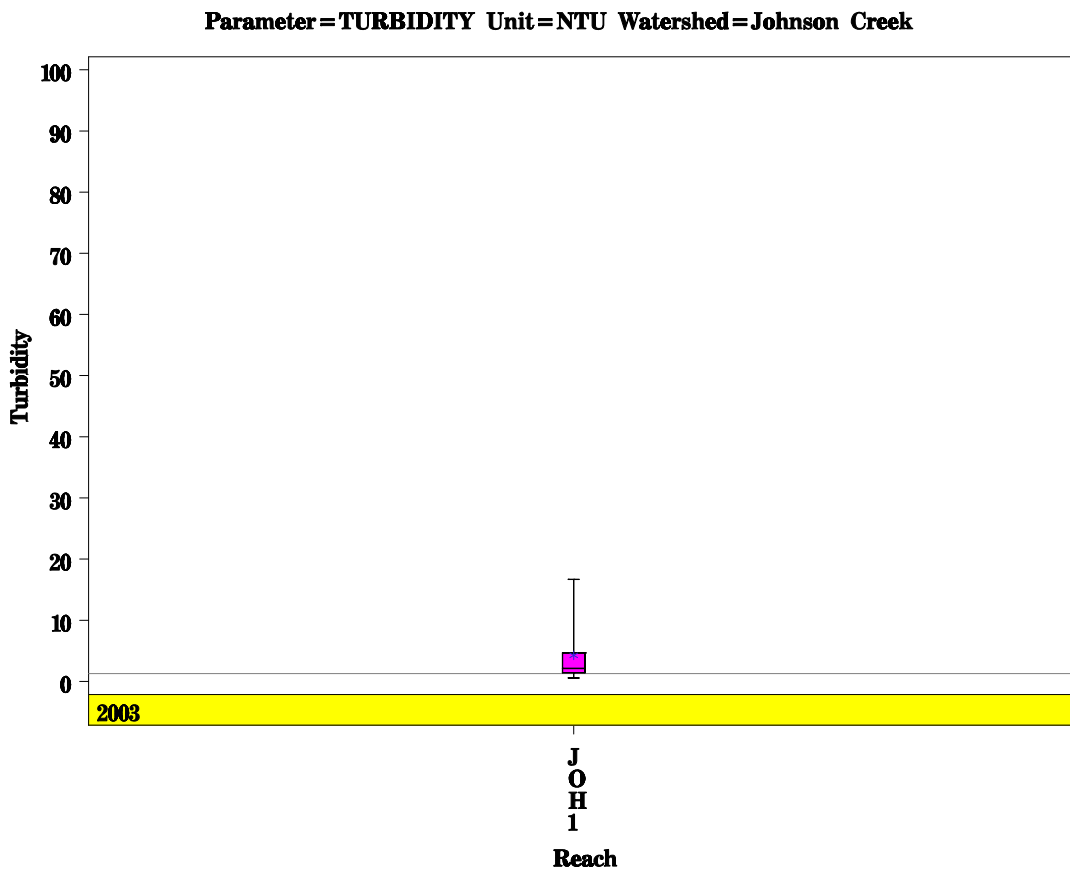
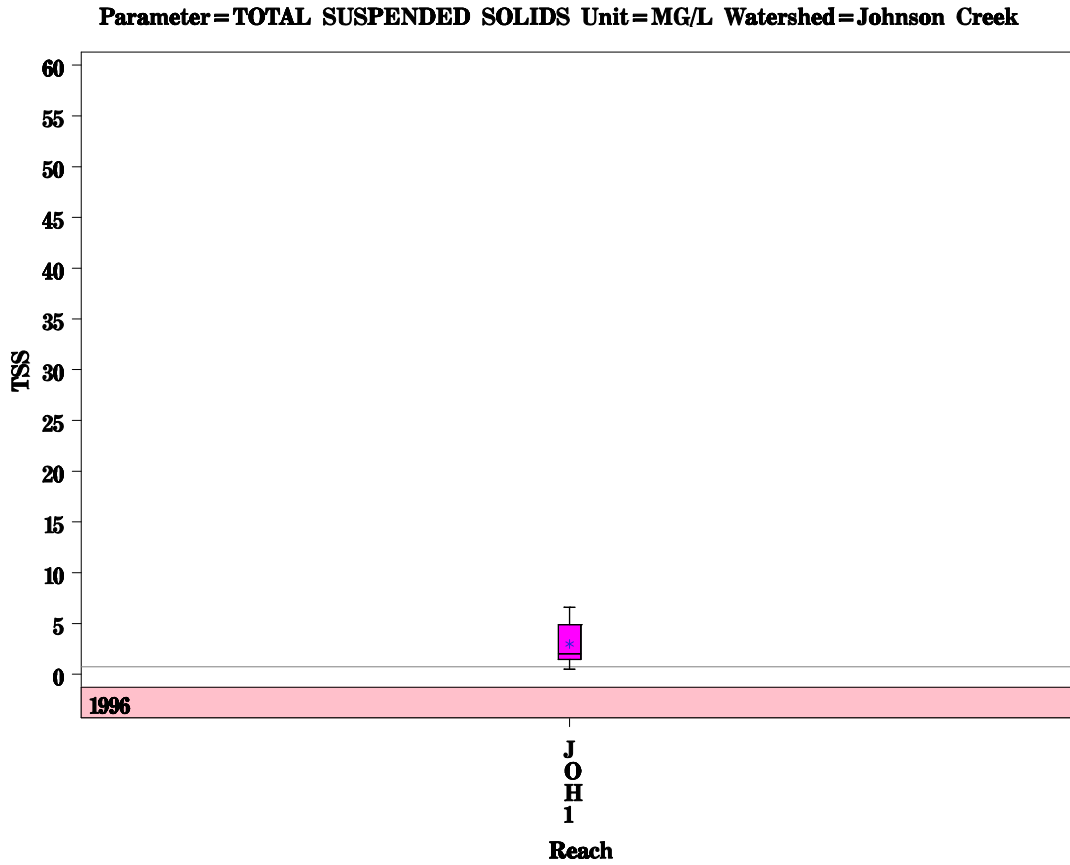


Parameter = E COLI BACTERIA Unit = MPN/100ML Watershed = Johnson Creek



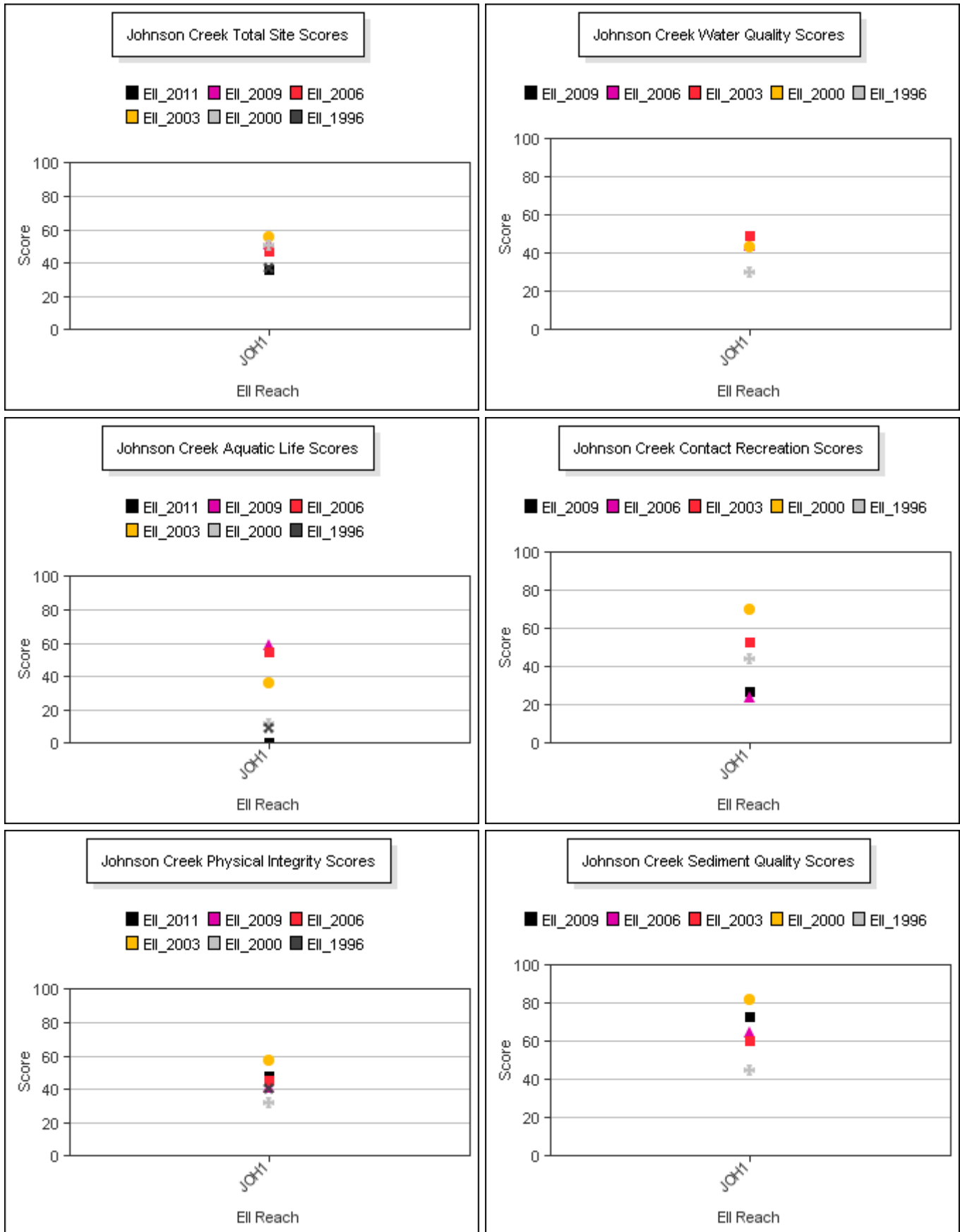
Johnson Creek Watershed

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



Johnson Creek Watershed

Score Summary – Reach scores for each sample year



Johnson Creek Watershed

Site Photographs



847_t00-us-03_10_2003



847_t00-ur-03_10_2003



847_t00-us-02_12_2001



847_t00-ds-02_12_2001



489_t00-us-02_12_2001



489_t00-ds-02_12_2001

Johnson Creek Watershed

Site Photographs



897_t00-us-02_13_2001



897_t00-ds-02_13_2001



897_t00-ds-07_07_2006



897_t00-us1-07_07_2006



897-t00-us-05-28-2009



897-t00-ds-05-28-2009

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