Table 2-2. Baseline Water Quality Data

Parameter	Unit	Reporting Limit	Sample Date - Time						Range of Avg. Values (Driscoll et al., 1990 as cited in Barrett et al., 1995)
			9/10/99	**10/7/99**	**10/8/99**	**12/17/00**	**12/17/00**	**12/17/00**	
			8:50	**23:15**	**6:30**	**10:45**	**10:50**	**10:55**	
Collection Method			automated grab	automated grab	automated grab	bucket grab	automated grab	automated grab (dup.)	
LABORATORY DATA									
Total Metals									
Calcium	mg/L	0.250	**47.5**	**51.0**	**10.3**	**11.6**	**12.1**	**11.5**	
Magnesium	mg/L	0.100	**21.9**	**12.9**	**1.28**	**1.51**	**2.05**	**1.83**	1.062
Cadmium	mg/L	0.00100	ND	ND	ND	ND	ND	ND	ND - 0.04
Copper	mg/L	0.00100	**0.0189**	**0.0208**	**0.0323**	**0.0356**	**0.0308**	**0.0265**	0.022 - 7.033
Lead	mg/L	0.00100	ND	**0.0031**	**0.0112**	**0.0300**	**0.0238**	**0.0174**	0.073 - 1.78
Zinc	mg/L	0.0100	**0.0317**	**0.105**	**0.109**	**0.169**	**0.139**	**0.112**	0.056 - 0.929
Dissolved Metals									
Magnesium	mg/L	0.500	**23.7**	**12.7**	**0.948**	**1.53**	**1.71**	**1.82**	
Cadmium	mg/L	0.00100	ND	ND	ND	ND	ND	ND	
Copper	mg/L	0.00100	**0.00250**	**0.01180**	**0.01540**	**0.00844**	**0.00897**	**0.00944**	
Lead	mg/L	0.00100	ND	ND	**0.00105**	**0.00130**	**0.00137**	**0.00145**	
Zinc	mg/L	0.0100	**0.0252**	**0.0700**	**0.0694**	**0.0523**	**0.0479**	**0.0459**	
Conventional Parameters									
pH	pH units		**8.45**	**7.30**	**7.35**	**7.49**	**7.42**	**7.51**	7.1 - 7.2
Total Suspended Solids (TSS)	mg/L	5.0	ND	**36** [1]	**42** [1]	**120**	**70**	**60**	45 - 798
Total Solids (TS)	mg/L	10	**310**	**340** [1]	**110** [1]	**180**	**140**	**120**	437 - 1147
Total Solids (repeated by lab)	mg/L	10	**290** [1]	--	--				
Total Volatile Solids (TVS)	% by weight	10	**26**	**14** [1]	ND [1]	**21**	**13**	**23**	
Settleable Solids	ml/L	0.10	ND	ND	ND	**3.0**	**2.0**	**1.5**	
Oil & Grease (HEM)	mg/L	5.00	ND	ND	**6.36**	ND	**8.29**	**19.6**	2.7 - 27
Petrol. Oil Hydrocarbons (SGT-HEM)	mg/L	5.00	ND	ND	ND	ND	ND	**6.69**	
Turbidity	NTU	1.00	ND	**22.6**	**37.7**	**83.1**	**65.7**	**58.9**	19
Fluoride	mg/L	0.100	**0.127**	**0.174**	**0.100**	ND	ND	ND	
Ammonia-Nitrogen	mg/L as N	0.100	ND	**1.79**	**1.02**	**0.912**	**0.863**	**0.977**	0.07 - 0.22
TKN	mg/L as N	1.00	ND	**3.44**	**1.65**	**1.54**	ND	**1.71**	0.335 - 55.0
Nitrate/Nitrite-Nitrogen	ug/L as N	10.0	**775**	**1540**	**671**	**332**	**371**	**353**	150 - 1636
Orthophosphate-phosphorus	mg/L	0.00200	**0.0665**	**0.166**	**0.0633**	**0.0103**	**0.0103**	**0.0108**	
Total Phosphorus (TP)	mg/L	0.00500	**0.0719**	**0.372**	**0.118**	**0.139**	**0.0819**	**0.083**	0.113 - 0.998
Chemical Oxygen Demand (COD)	mg/L	10.0	**14.1**	**84.3**	**38.6**	**102**	**92.5**	**67.5**	14.7 - 272
Total Organic Carbon (TOC)	mg/L	1.00	**4.51**	**20.8**	**9.08**	**7.02**	**5.27**	**5.22**	24 - 77
Methylene Blue Active Substances (MBAS)	mg/L	0.0500	ND	**1.11**	**0.544**	**0.210**	**0.171**	**0.199**	
Hardness	mg eq. CaCO3/L	1.00	**209**	**180**	**30.9**	**35.2**	**38.7**	**36.3**	
Chlorine Residual	mg/L	0.0200	**0.0201**	ND	ND	ND	**0.0224**	**0.0206**	

Table 2-2. Continued

Parameter	Unit	Reporting Limit	Sample Date - Time						Range of Avg. Values (Driscoll et al., 1990 as cited in Barrett et al., 1995)
			9/10/99 8:50	**10/7/99 23:15**	**10/8/99 6:30**	**12/17/00 10:45**	**12/17/00 10:50**	**12/17/00 10:55**	
Collection Method			automated grab	automated grab	automated grab	bucket grab	automated grab	automated grab (dup.)	
Anions by EPA Method 300.0									
Chloride	mg/L	0.400	**13.6**	**12.5**	**1.31**	**1.05**	**1.07**	**1.06**	4.63 - 1344
Physical Parameters									
Specific Conductivity	uS/cm	1.00	**448**	**419**	**79.8**	**71.5**	**75.2**	**76.2**	337 - 500
Microbiological Parameters									
Fecal Coliforms	MPN/100 ml	2.0	**23**	**900**	**900**		**240**	**240**	50 - 590
FIELD DATA									
Temperature	C		16.0	16.6	13.9	8.4	8.5	8.5	
pH	pH units		8.5	8.0	7.1	7.6	7.5	7.5	
FLOW INFORMATION									
Flow	cfs		< 0.1 (estimate)			0.60	0.73	0.64	
Rainfall during hour of sampling	in/hr		0	0.01	0.05	0.09	0.09	0.09	
Rain in 2-hour period prior to sampling	in		0	0.03	0.19	0.11	0.11	0.11	
Segment of storm			baseflow	onset	falling limb	rising limb	rising limb	rising limb	

Bolded results indicate those detected in the sample. ND indicates parameter not detected.

Italics indicate parameters that are being analyzed as part of the baseline water quality study. They will not be evaluated as part of the stormwater technology monitoring program.

[1] These samples were reanalyzed outside of the EPA recommended holding time due to laboratory error.