

APPENDIX I

Summary of GMIA BOD COD Loading Data 1997-2003

GMIA deicer loading analysis -Summary of BOD COD Loading 1997-2003 Data

Outfall 001

	# of Data Points	BOD				# of Data Points	COD			
		Average	Geomean	Min	Max		Average	Geomean	Min	Max
Baseflow Loading (lbs/day)	7	117.20	48.51	1.94	264.13	6	436.63	133.80	8.09	1,778.86
De-Icing Event Loading (lbs/day)	63	2,318.62	474.90	0.23	27,151.83	35	1,881.77	343.89	0.23	12,173.24
Assumed loading De-Icing (lbs/day) ¹		2,201.41	426.39				1,445.15	210.08		

Outfall 007

	# of Data Points	BOD				# of Data Points	COD			
		Average	Geomean	Min	Max		Average	Geomean	Min	Max
Baseflow Loading (lbs/day)	14	253.38	101.80	1.40	623.68	14	457.24	215.37	13.10	1,487.23
De-Icing Event Loading (lbs/day)	58	15,670.02	2,700.02	2.49	153,197.33	25	46,890.88	1,666.25	2.49	513,173.33
Assumed loading De-Icing (lbs/day) ¹		15,416.64	2,598.22				46,433.64	1,450.87		

Wilson Park Creek at St. Luke's

	# of Data Points	BOD				# of Data Points	COD			
		Average	Geomean	Min	Max		Average	Geomean	Min	Max
Baseflow Loading (lbs/day)	27	594.19	298.01	15.85	2,830.00	26	1,410.19	904.29	135.84	5,040.10
De-Icing Event Loading (lbs/day)	68	16,190.81	4,344.36	6.33	101,071.43	33	20,005.76	3,677.73	6.33	148,238.10
Assumed loading De-Icing (lbs/day) ¹		15,596.61	4,046.35				18,595.57	2,773.44		

1) Roughly assumed a loading to de-icing by taking De-Icing event minus Baseflow.

This does not take into account, however, possible runoff from other sources

Source: Compilation of data from Steve R Corsi- USGS e-mail to Mary A Recktenwalt, Triad Engineering March 17, 2004