

S1 Table: Summary statistics of daily turbidity data

	Years	N sample sites	Mean (ntu)	Median (ntu)	Range (ntu)	N days system running	N days missing data	Percent of source water flow
NYC distribution system turbidity (daily median of available samples from multiple sites)	2002-2009	375	0.97	0.92	0.54-2.38	2922	0	NA
Overall source water turbidity ¹ (daily flow-weighted average)	2002-2009	3	0.98	0.95	0.50-2.85	2922	0	100%
Catskill/Delaware turbidity ^{1,2} (daily average)	2002-2009	2	0.98	0.95	0.50-2.85	2922	26/47	96%
Croton turbidity	2002-2009	1	1.00	1.00	0.50-2.80	1166	578	4%

1- Single outlier (4.6 ntu) excluded from analysis

2- Catskill and Delaware flow data available only as combined flow, contributions by volume from each system equal per NYC DEP