

Supplementary materials

Table S1. Peak EM log response and chloride concentration values for wells in Nassau County, NY

Well Name	USGS Site ID	Peak EM Value in millisiemens per meter	Cl Value in milligrams per liter	Screen Zone Interval, in meters BLS	Filter Press Interval, in meters BLS
N-11730	404708073450301	5.08	114		79
N-12013	404900073442901	6.15	137.5		9
N-12013	404900073442901	104.4	1900	55-61	
N-12050	405003073450501	129.9	4100		54
N-12050	405003073450501	345.3	8350		60
N-12050	405003073450501	602.6	15300		79
N-12050	405003073450501	629.06	13000	76-82	
N-12076	404853073454301	19.29	273		36
N-12079	404932073443001	11.97	108		48
N-12102	404945073450101	424.9	13200		72
N-12152	404757073425601	11.4	121		7
N-12152	404757073425601	13.58	141		13
N-12153	404817073451201	115.22	3375	96-99	
N-12232	405010073415009	13.19	190		80
N-12232	405010073415009	7.03	112		107
N-12263	405010073415010	51.98	945		84
N-12263	405010073415010	12.86	310		87
N-12318	405121073432101	31.65	506		17
N-12318	405121073432101	27.79	776		38
N-12506	404944073392601	477.66	12700		18
N-12506	404944073392601	523.81	11200		24
N-12506	404944073392601	320.88	8730		40
N-12506	404944073392601	364.1	7630		43
N-12506	404944073392601	370.7	10100		49
N-12506	404944073392601	348.7	9230		64
N-12506	404944073392601	29.3	533		70
N-12506	404944073392601	27.84	1250		80
N-12506	404944073392601	315.46	9750	53-59	
N-12508	404943073414701	5.36	103		91
N-12508	404943073414701	14.27	141		97
N-12508	404943073414701	28.64	513		115
N-12508	404943073414701	29.75	600	108-109	
N-12747	405406073322001	596.54	16400		44
N-12747	405406073322001	65.15	1025	5-7	

Table S1. *Cont.*

Well Name	USGS Site ID	Peak EM Value in millisiemens per meter	CI Value in milligrams per liter	Screen Zone Interval, in meters BLS	Filter Press Interval, in meters BLS
N-12774	405452073340601	33	732		36
N-12774	405452073340601	334	9880		40
N-12775	405452073340602	196.8	4250	38-44	
N-12790	405434073323101	253.5	4460		9
N-12870	405426073330601	82.5	2920		13
N-12870	405426073330601	105	3200		18
N-12870	405426073330601	139.5	3360		23
N-12870	405426073330601	418.6	12700		27
N-12870	405426073330601	654.5	15700		32