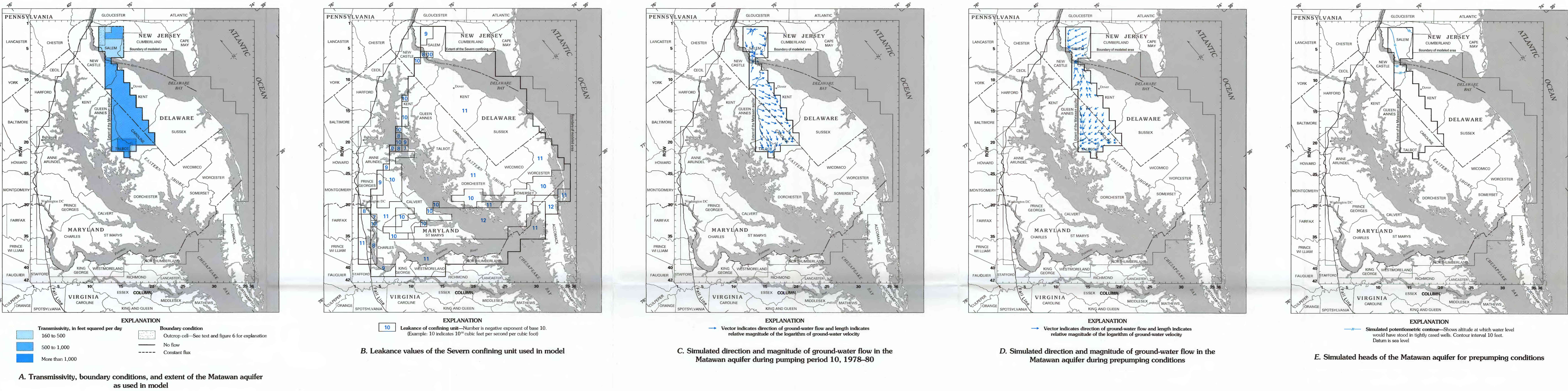
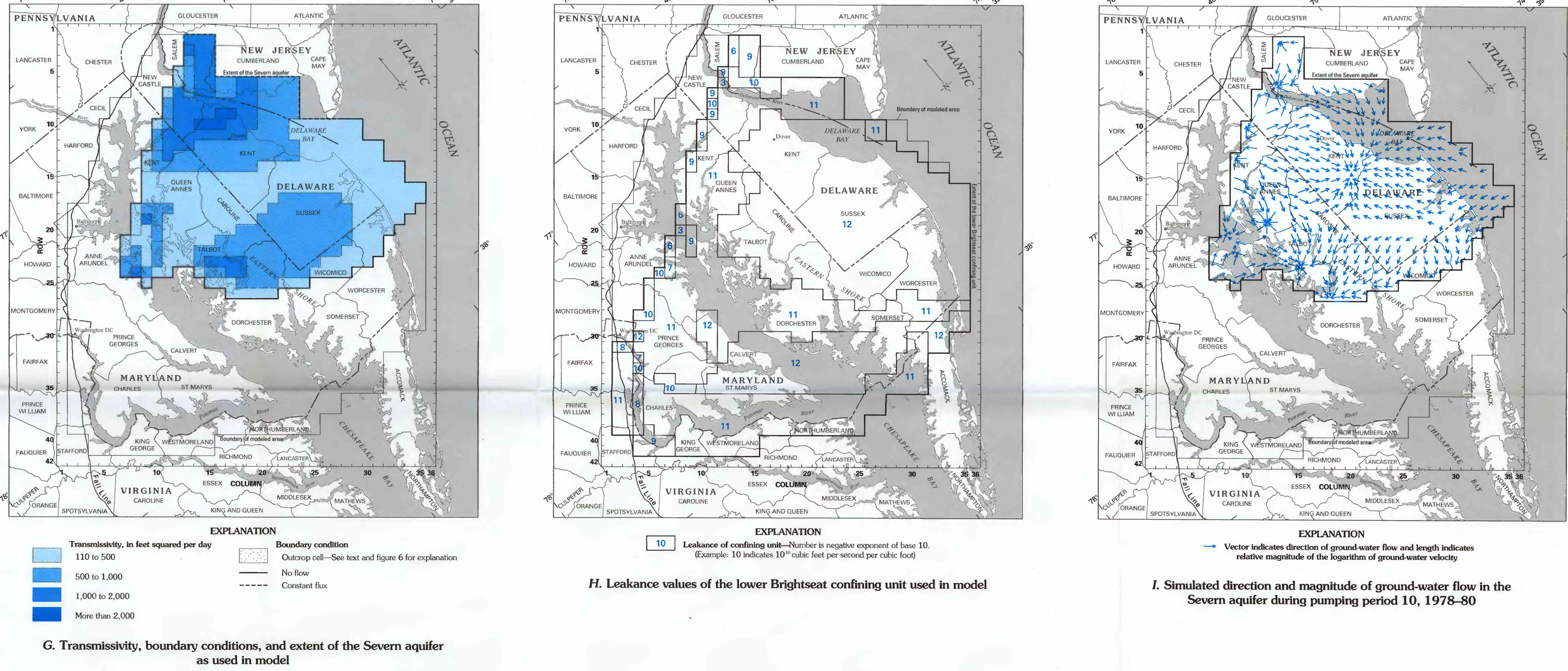




F. Ground-water budget analysis of the Matawan aquifer by simulation

Principal sources and sinks	Prepumping				Pumping Period 10, 1978-80			
	Source	Sink	Source	Sink	Source	Sink	Source	Sink
	Cubic feet per second	Percentage of sources	Cubic feet per second	Percentage of sinks	Cubic feet per second	Percentage of sources	Cubic feet per second	Percentage of sinks
Areal ground-water recharge	41.8	95.3	—	—	41.8	94.0	0	—
Surface water	0	0	42.0	95.9	0	0	41.8	93.0
Leakage through confining units	2.0	4.5	1.8	4.1	2.6	5.9	30.0	6.8
Constant flux boundary	<0.1	0.2	0	0	<0.1	<0.1	0	<0.1
Storage	0	0	0	0	<0.1	<0.1	—	<0.1
Pumpage	—	—	0	0	—	—	0	0
Total	43.8	100.0	43.8	100.0	44.5	100.0	71.8	100.0
Percent error	0.1				0.1			



N. Ground-water budget analysis of the Severn aquifer by simulation

Principal sources and sinks	Prepumping				Pumping Period 10, 1978-80			
	Source	Sink	Source	Sink	Source	Sink	Source	Sink
	Cubic feet per second	Percentage of sources	Cubic feet per second	Percentage of sinks	Cubic feet per second	Percentage of sources	Cubic feet per second	Percentage of sinks
Areal ground-water recharge	208.9	95.3	—	—	208.9	95.3	0	—
Surface water	0	0	211.0	96.2	0	0	209.2	95.4
Leakage through confining units	13.0	4.6	8.1	3.7	9.7	4.4	-3.0	8.1
Constant flux boundary	0.4	0.2	0.3	0.1	0.3	0.1	-2.5	1.6
Storage	0	0	0	0	0.4	0.2	—	<0.1
Pumpage	—	—	0	0	0.4	0.2	—	0.4
Total	219.3	100.1	219.4	100.0	219.3	100.2	0	219.2
Percent error	<0.1				0.1			

