GSI ENVIRONMENTAL

TABLE 3
MISSISSIPPI RIVER SEDIMENT BED CONDUCTIVITY USED IN MODEL

Regional Groundwater Flow Model
American Bottoms Aquifer

Minimum Model Row	Maximum Model Row	Minimum Model Column	Maximum Model Column	Mississippi River Bed Conductivity (ft/d)
16	19	108	144	2.3
16	19	145	177	4.3
20	24	108	144	2.3
20	24	145	177	4.3
25	28	108	144	2.3
25	28	145	177	4.4
29	33	108	144	2.3
29	33	145	177	4.4
34	38	108	144	2.3
34	38	145	177	4.4
39	46	108	144	2.3
39	46	145	177	5.4
47	61	108	144	2.3
47	61	145	177	8.3
62	93	73	107	7.5
62	93	108	144	2.3
94	132	73	107	7.5
94	132	108	144	2.3
133	173	51	72	4.7
133	173	73	107	7.5
174	209	41	50	4.6
174	209	51	72	4.7
174	209	73	107	7.5
210	242	34	40	4.7
210	242	41	50	7.5
210	242	51	72	8.7
243	258	30	33	4.7
243	258	34	40	7.1
259	266	25	29	4.9
259	266	30	33	6.7
267	272	25	29	4.9
273	276	21	24	5.1
273	276	25	29	4.9
277	281	21	24	5.1
282	286	12	20	5.1
282	286	21	24	5.1
287	291	12	20	5.1
292	296	12	20	5.3

Note:
1. Mississippi River conductance calculated by multiplying river bed conductivity by cell area and dividing by river bed thickness. The groundwater model assumes a river bed thickness of 10 ft.
ft/d = feet per day