SIMULATION OF GROUNDWATER FLOW IN A REGIONAL CARBONATE–ALLUVIAL SYSTEM WITH SPARSE DATA: THE WHITE RIVER FLOW SYSTEM, SOUTHEASTERN NEVADA

by

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TABLE 6. FLOW DISTRIBUTIONS - SCENARIO 1.

Outflow Cell	Fraction of Cell's Outflow (%)	Volumetric Outflow (a-f/yr)	Inflow Cell
1	99	15,840	2*
1	1	160	3
5	1	100	3
2*	100	22,840	4*
4*	25	6,960	3
3	100	12,220	7
4*	34	9,470	6*
5	48	4,800	8
8	1	130	7
7	81	12,430	6*
7	19	2,920	9
6*	19	4,920	10*
9	80	7,930	10*
6*	38	9,840	13*
8	31	3,970	13*
11	100	7,000	12*
12*	100	11,000	13*
13*	100	26,800	18*
10*	100	16,850	18*
14	100	7,500	20*
20*	3	225	18*
20*	97	7,275	21*
16	100	2,000	21*
21*	5	460	18*
18*	36	16,500	19*
21*	95	8,810	19*
15*	100	1,000	19*
19*	100	31,320	22*
17*	100	4,500	22*

* = carbonate cell

TABLE 7. FLOW DISTRIBUTIONS - SCENARIO 2.

Outflow Cell	Fraction of Cell's Outflow (%)	Volumetric Outflow (a-f/yr)	Inflow Cell
1	80	8,800	2*
1	15	1,650	3
1	5	550	5
2*	100	18,800	4*
5	1	110	3
5	51	5,380	6
6	1	130	3
4*	21	6,260	3
3	3	425	7
3	70	9,900	11*
3	27	3,820	13*
4*	4	1,190	8*
7	82	6,090	8*
4*	1	300	11*
6	35	4,680	11*
9	100	8,000	10*
10*	100	14,000	11*
11*	100	30,900	16*
8*	100	11,280	16*
12	100	5,000	18*
18*	10	500	16*
18*	90	4,500	19*
14	100	1,500	19*
19*	20	1,200	16*
16*	40	18,150	17*
19*	80	4,800	17*
13*	100	4,820	17*
17*	100	33,770	20*
15	100	8,000	20*

* = carbonate cell

TABLE 8. FLOW DISTRIBUTIONS - SCENARIO 3:

Outflow Cell	Fraction of Cell's Outflow (%)	Volumetric Outflow (a-f/yr)	Inflow Cell
1*	100	5,000	2
2	99	15,840	3*
2	1	160	4
6	1	100	4
3	100	22,940	5*
5*	25	6,990	4
4	100	12,250	8
5*	34	9,500	7*
6	48	4,800	9
9	1	130	8
8	81	12,450	7*
8	19	2,920	10
7*	19	4,930	11*
10	80	7,940	11*
7*	38	9,860	14*
9	31	3,970	14*
12	100	7,000	13*
13*	100	11,000	14*
14*	100	26,830	19*
11*	100	16,870	19*
15	100	7,500	21*
21*	3	225	19*
21*	97	7,275	22*
17	100	2,000	22*
22*	5	460	19*
19*	37	16,980	20*
22*	95	8,810	23*
16*	100	1,000	20*
20*	100	22,980	23*
18*	100	4,500	23*

* = carbonate cell

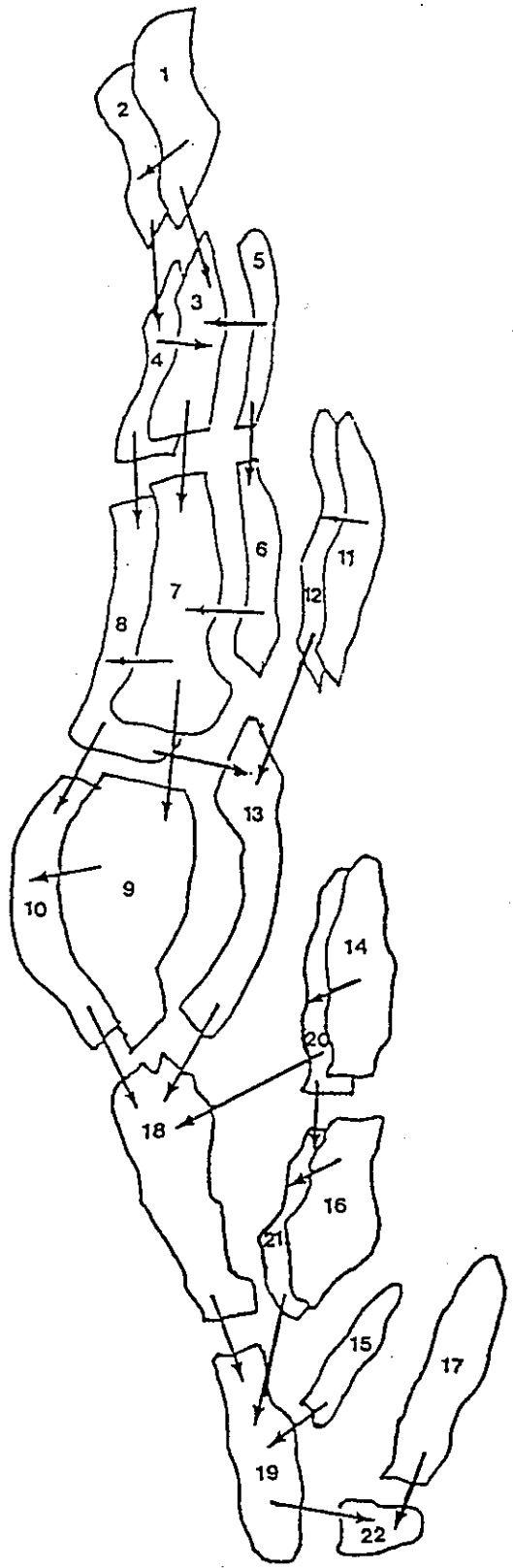

FIGURE 11. Flow Distributions for WRFS Scenario 1.

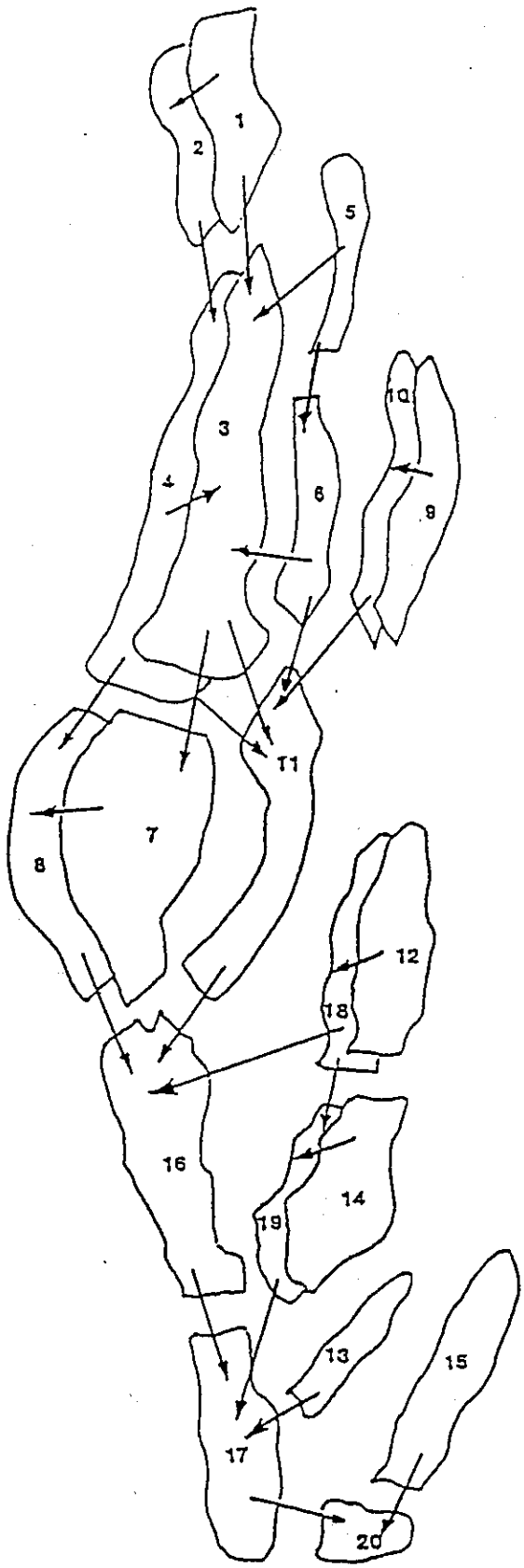

FIGURE 12. Flow Distributions for WRFS Scenario 2.

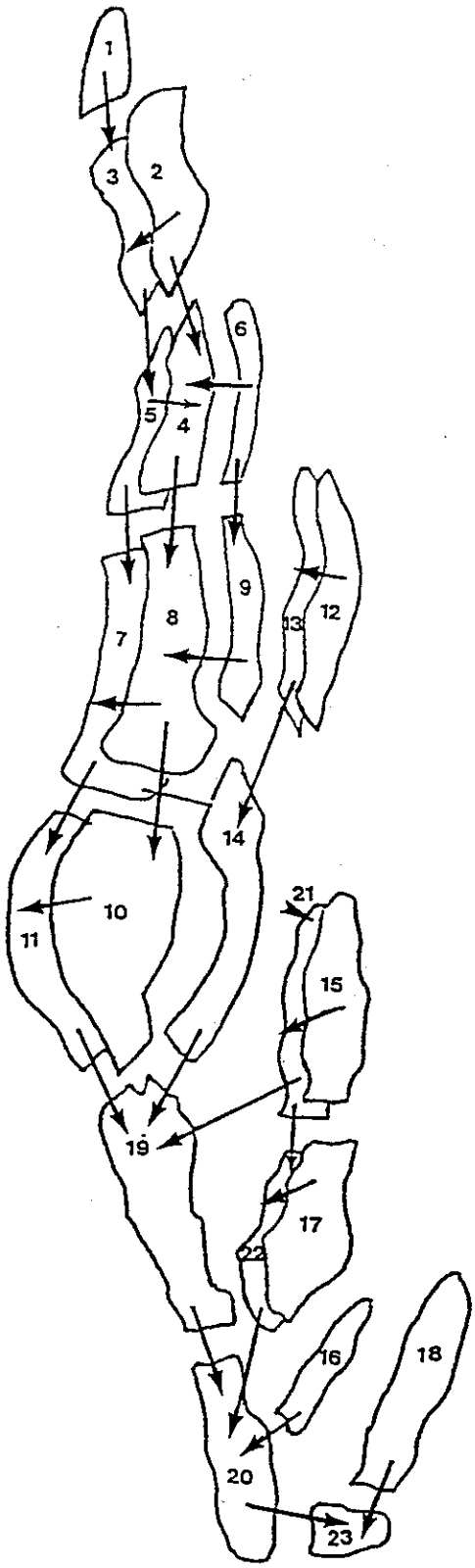

FIGURE 13. Flow Distributions for WRFS Scenario 3.