

Table 6. Mass-Balance Summary, 2001

| NFSEG WATER BUDGET TABLE: 2001 (CFD) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---------------|---------|--------|---------------|------------|-------------|---------------|-------------|-------------------|---------------|---------------|-------------|----------------|-------------|------------------|---------------|-----------------------|-----------|---------------|---------------|--------|
| Layer | Recharge | | ET | | Wells | | Springs (GHB) | | Rivers and Drains | | Constant Head | | Upward leakage | | Downward leakage | | Lateral Leakage (GHB) | | Total | | |
| | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Net |
| 1 | 3,845,102,592 | 0 | 0 | 1,795,407,360 | 1,158,249 | 1,567,374 | 0 | 0 | 353,562,304 | 1,617,287,232 | 99,573,440 | 183,802,784 | 0 | 0 | 794,129,792 | 1,495,461,632 | 0 | 0 | 5,093,526,377 | 5,093,526,382 | -5 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 13253 | 129773 | 14360822 | 107697600 | 0 | 0 | 1495461632 | 794129792 | 875802624 | 1483681536 | 0 | 0 | 2385638331 | 2385638701 | -370 |
| 3 | 0 | 0 | 0 | 0 | 79,381,122 | 211,561,908 | 1,111,443 | 565,449,344 | 3,954 | 4,324,130 | 0 | 0 | 1,483,681,536 | 875,802,624 | 732,178,304 | 640,693,376 | 1,841,096 | 365,824 | 2,298,197,455 | 2,298,197,206 | 249 |
| 4 | 0 | 0 | 0 | 0 | 5113 | 6917 | 0 | 0 | 0 | 0 | 0 | 0 | 640693376 | 732178304 | 606372416 | 528735328 | 17837566 | 3987825 | 1264908471 | 1264908374 | 97 |
| 5 | 0 | 0 | 0 | 0 | 1,155,528 | 24,487,078 | 0 | 0 | 0 | 0 | 0 | 0 | 528,735,328 | 606,372,416 | 1,724,124 | 1,724,124 | 105,704,264 | 4,737,608 | 637,319,244 | 637,321,226 | -1,982 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1724124 | 1724124 | 1723802 | 1723801 | 0 | 0 | 3447926 | 3447925 | 1 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,723,801 | 1,723,802 | 0 | 0 | 0 | 0 | 1,723,801 | 1,723,802 | -1 |
| MODEL | 3,845,102,592 | 0 | 0 | 1,795,407,360 | 81,700,012 | 237,623,277 | 1,124,696 | 565,579,117 | 367,927,080 | 1,729,308,962 | 99,573,440 | 183,802,784 | 0 | 0 | 0 | 0 | 125,382,926 | 9,091,257 | 4,520,810,746 | 4,520,812,757 | -2,011 |

| NFSEG WATER BUDGET TABLE: 2001 (CFS) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------|---------|--------|---------|--------|---------|---------------|---------|-------------------|---------|---------------|---------|----------------|---------|------------------|---------|-----------------------|---------|--------|---------|-----|
| Layer | Recharge | | ET | | Wells | | Springs (GHB) | | Rivers and Drains | | Constant Head | | Upward leakage | | Downward leakage | | Lateral Leakage (GHB) | | Total | | |
| | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Net |
| 1 | 44,504 | 0 | 0 | 20,780 | 13 | 18 | 0 | 0 | 4,092 | 18,719 | 1,152 | 2,127 | 0 | 0 | 9,191 | 17,309 | 0 | 0 | 58,953 | 58,953 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 166 | 1,247 | 0 | 0 | 17,309 | 9,191 | 10,137 | 17,172 | 0 | 0 | 27,612 | 27,612 | 0 |
| 3 | 0 | 0 | 0 | 0 | 919 | 2,449 | 13 | 6,545 | 0 | 50 | 0 | 0 | 17,172 | 10,137 | 8,474 | 7,415 | 21 | 4 | 26,600 | 26,600 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,415 | 8,474 | 7,018 | 6,120 | 206 | 46 | 14,640 | 14,640 | 0 |
| 5 | 0 | 0 | 0 | 0 | 13 | 283 | 0 | 0 | 0 | 0 | 0 | 0 | 6,120 | 7,018 | 20 | 20 | 1,223 | 55 | 7,376 | 7,376 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 20 | 20 | 0 | 0 | 40 | 40 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 20 | 20 | 0 |
| MODEL | 44,504 | 0 | 0 | 20,780 | 946 | 2,750 | 13 | 6,546 | 4,258 | 20,015 | 1,152 | 2,127 | 0 | 0 | 0 | 0 | 1,451 | 105 | 52,324 | 52,324 | 0 |

| NFSEG WATER BUDGET TABLE: 2001 (MGD) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------|---------|--------|---------|--------|---------|---------------|---------|-------------------|---------|---------------|---------|----------------|---------|------------------|---------|-----------------------|---------|--------|---------|-----|
| Layer | Recharge | | ET | | Wells | | Springs (GHB) | | Rivers and Drains | | Constant Head | | Upward leakage | | Downward leakage | | Lateral Leakage (GHB) | | Total | | |
| | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Net |
| 1 | 28,763 | 0 | 0 | 13,431 | 9 | 12 | 0 | 0 | 2,645 | 12,098 | 745 | 1,375 | 0 | 0 | 5,941 | 11,187 | 0 | 0 | 38,102 | 38,102 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 107 | 806 | 0 | 0 | 11,187 | 5,941 | 6,551 | 11,099 | 0 | 0 | 17,846 | 17,846 | 0 |
| 3 | 0 | 0 | 0 | 0 | 594 | 1,583 | 8 | 4,230 | 0 | 32 | 0 | 0 | 11,099 | 6,551 | 5,477 | 4,793 | 14 | 3 | 17,192 | 17,192 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,793 | 5,477 | 4,536 | 3,955 | 133 | 30 | 9,462 | 9,462 | 0 |
| 5 | 0 | 0 | 0 | 0 | 9 | 183 | 0 | 0 | 0 | 0 | 0 | 0 | 3,955 | 4,536 | 13 | 13 | 791 | 35 | 4,767 | 4,767 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 13 | 13 | 13 | 0 | 0 | 26 | 26 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 13 | 0 | 0 | 0 | 0 | 13 | 13 | 0 |
| MODEL | 28,763 | 0 | 0 | 13,431 | 611 | 1,778 | 8 | 4,231 | 2,752 | 12,936 | 745 | 1,375 | 0 | 0 | 0 | 0 | 938 | 68 | 33,818 | 33,818 | 0 |

| NFSEG WATER BUDGET TABLE: 2001 (IPY) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------|---------|--------|---------|--------|---------|---------------|---------|-------------------|---------|---------------|---------|----------------|---------|------------------|---------|-----------------------|---------|--------|---------|-----|
| Layer | Recharge | | ET | | Wells | | Springs (GHB) | | Rivers and Drains | | Constant Head | | Upward leakage | | Downward leakage | | Lateral Leakage (GHB) | | Total | | |
| | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Net |
| 1 | 10.1 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 4.2 | 0.3 | 0.5 | 0.0 | 0.0 | 2.1 | 3.9 | 0.0 | 0.0 | 13.4 | 13.4 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 3.9 | 2.1 | 2.3 | 3.9 | 0.0 | 0.0 | 6.3 | 6.3 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 2.3 | 1.9 | 1.7 | 0.0 | 0.0 | 6.0 | 6.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.1 | 1.8 | 1.5 | 0.1 | 0.0 | 3.7 | 3.7 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.9 | 0.0 | 0.0 | 0.3 | 0.0 | 2.0 | 2.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| MODEL* | 10.1 | 0.0 | 0.0 | 4.7 | 0.2 | 0.6 | 0.0 | 1.5 | 1.0 | 4.5 | 0.3 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 11.9 | 11.9 | 0.0 |

* Active SAS model area is used to evaluate the model water budget in units of inches per year (IPY)

NFSEG V1.1 PEST RUN 4B: 2001 WATER BUDGET

