

| TABLE 4B-3a: WATER BALANCE - 1999 SUMMER WATER USE in ASSABET CONSORTIUM COMMUNITIES (mgd) | | | | | | | | |
|--|-------------------------------|--------------------|----------------------|--------------------|---------------------|-----------------------------------|--------------------------------------|----------------------|
| Community | Sub-Basin | - Amount Withdrawn | + Amount Distributed | - Amount Collected | + Amount Discharged | Water Balance with WWTP Discharge | Water Balance without WWTP Discharge | Groundwater Recharge |
| Hudson | Assabet River South | 2.13 | 0.27 | 0.06 | 1.70 | -0.23 | -1.93 | 0.20 |
| | Danforth Brook | 0.00 | 0.32 | 0.22 | 0.00 | 0.10 | 0.10 | 0.10 |
| | Fort Meadow Reservoir | 0.00 | 0.38 | 0.24 | 0.00 | 0.15 | 0.15 | 0.15 |
| | Hog Swamp* | 0.01 | 1.86 | 1.17 | 0.00 | 0.68 | 0.68 | 0.69 |
| | Lake Boon | 0.00 | 0.14 | 0.00 | 0.00 | 0.14 | 0.14 | 0.14 |
| | Gates Pond | 0.29 | 0.00 | 0.00 | 0.00 | -0.29 | -0.29 | 0.00 |
| Hudson Total | All Sub-Basins | 2.43 | 2.97 | 1.70 | 1.70 | 0.54 | -1.16 | 1.27 |
| Marlborough | Assabet Headwaters | 0.00 | 0.00 | 0.00 | 1.70 | 1.70 | 0.00 | 0.00 |
| | Barefoot Brook | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Fort Meadow Reservoir | 0.00 | 0.42 | 0.14 | 0.00 | 0.28 | 0.28 | 0.28 |
| | Hog Swamp* | 0.00 | 0.31 | 0.08 | 0.00 | 0.23 | 0.23 | 0.23 |
| | Millham Brook & Williams Lake | 0.48 | 1.50 | 1.22 | 0.00 | -0.20 | -0.20 | 0.28 |
| | Stirrup Brook | 0.00 | 0.08 | 0.07 | 0.00 | 0.01 | 0.01 | 0.01 |
| Marlboro Total | All Sub-Basins | 0.48 | 2.32 | 1.52 | 1.70 | 2.02 | 0.32 | 0.80 |
| Maynard | Assabet River North | 0.00 | 0.33 | 0.28 | 0.88 | 0.93 | 0.05 | 0.05 |
| | Assabet River South | 0.00 | 0.34 | 0.30 | 0.00 | 0.05 | 0.05 | 0.05 |
| | Pratt's Brook | 0.00 | 0.15 | 0.13 | 0.00 | 0.02 | 0.02 | 0.02 |
| | Second Division Brook | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| | Taylor Brook | 0.58 | 0.19 | 0.17 | 0.00 | -0.56 | -0.56 | 0.02 |
| Mayard Total | All Sub-Basins | 0.58 | 1.02 | 0.88 | 0.88 | 0.44 | -0.44 | 0.14 |
| Northborough | Assabet Headwaters* | 0.42 | 0.52 | 0.13 | 0.00 | -0.03 | -0.03 | 0.39 |
| | Barefoot Brook | 0.00 | 0.14 | 0.01 | 0.00 | 0.13 | 0.13 | 0.13 |
| | Cold Harbor Brook | 0.19 | 0.18 | 0.02 | 0.00 | -0.03 | -0.03 | 0.16 |
| | Cooledge Brook | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 | 0.06 | 0.06 |
| | Hog Swamp | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Hop Brook* | 0.12 | 0.10 | 0.00 | 0.00 | -0.02 | -0.02 | 0.10 |
| | Howard Brook | 0.14 | 0.17 | 0.01 | 0.00 | 0.02 | 0.02 | 0.16 |
| | Millham Brook | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Stirrup Brook | 0.00 | 0.13 | 0.00 | 0.00 | 0.12 | 0.12 | 0.12 |
| | Wrack Meadow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Northboro Total | All Sub-Basins | 0.88 | 1.29 | 0.18 | 0.00 | 0.24 | 0.24 | 1.11 |
| Shrewsbury | Assabet Headwaters | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Cold Harbor Brook | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Hop Brook | 0.00 | 1.19 | 0.68 | 0.00 | 0.51 | 0.51 | 0.51 |
| | Mill Pond | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 |
| | Rawson Hill Brook | 0.00 | 0.42 | 0.26 | 0.00 | 0.16 | 0.16 | 0.16 |
| Shrewsbury Total | All Sub-Basins | 0.00 | 1.65 | 0.94 | 0.00 | 0.70 | 0.70 | 0.70 |
| Westborough | Assabet Headwaters | 0.38 | 0.34 | 0.18 | 4.05 | 3.83 | -0.22 | 0.16 |
| | Hop Brook | 0.00 | 0.03 | 0.02 | 0.00 | 0.01 | 0.01 | 0.01 |
| | Mill Pond* | 0.88 | 0.62 | 0.35 | 0.00 | -0.60 | -0.60 | 0.27 |
| | Stirrup Brook | 0.74 | 0.12 | 0.06 | 0.00 | -0.68 | -0.68 | 0.06 |
| Westboro Total | All Sub-Basins | 2.00 | 1.11 | 0.61 | 4.05 | 2.56 | -1.49 | 0.51 |
| Watershed Totals | All Sub-Basins | 6.36 | 10.36 | 5.83 | 8.33 | 6.50 | -1.83 | 4.53 |

* Includes Non-Municipal Water Withdrawals