

Estimated Mokelumne River Baseflow at DCC
Based Upon Modern Diversion Conditions
Applied to Upper Watershed River Inflows from 1928 to 2016

SJC-254

| Mokelumne River Baseflow Below Woodbridge by Month | 5% Exceedance | 10% Exceedance | 20% Exceedance | 30% Exceedance | 40% Exceedance | 50% Exceedance | 60% Exceedance | 70% Exceedance | 80% Exceedance | 90% Exceedance | 95% Exceedance |
|--|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| January | 2,624 | 1,781 | 1,307 | 980 | 774 | 672 | 583 | 457 | 363 | 283 | 186 |
| EBMUD | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| WID AG. | - | - | - | - | - | - | - | - | - | - | - |
| WID Municipal | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Net Flow | 2,381 | 1,538 | 1,064 | 737 | 531 | 428 | 340 | 214 | 120 | 40 | - |
| February | 2,186 | 1,933 | 1,492 | 1,380 | 975 | 784 | 634 | 526 | 393 | 254 | 219 |
| EBMUD | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| WID AG. | - | - | - | - | - | - | - | - | - | - | - |
| WID Municipal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net Flow | 1,946 | 1,693 | 1,252 | 1,140 | 735 | 544 | 395 | 286 | 153 | 14 | - |
| March | 2,709 | 2,110 | 1,592 | 1,512 | 1,193 | 936 | 778 | 656 | 557 | 363 | 268 |
| EBMUD | 263 | 263 | 263 | 263 | 263 | 263 | 263 | 263 | 263 | 263 | 263 |
| WID AG. | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| WID Municipal | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Net Flow | 2,415 | 1,816 | 1,298 | 1,219 | 899 | 642 | 484 | 362 | 263 | 70 | - |
| April | 2,859 | 2,487 | 1,939 | 1,717 | 1,394 | 1,217 | 1,033 | 809 | 515 | 391 | 285 |
| EBMUD | 279 | 279 | 279 | 279 | 279 | 279 | 279 | 279 | 279 | 279 | 279 |
| WID AG. | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| WID Municipal | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| Net Flow | 2,524 | 2,151 | 1,604 | 1,381 | 1,058 | 881 | 698 | 474 | 179 | 56 | - |
| May | 4,130 | 3,308 | 2,890 | 2,531 | 2,183 | 1,861 | 1,391 | 756 | 517 | 398 | 315 |
| EBMUD | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 |
| WID AG. | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| WID Municipal | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Net Flow | 3,674 | 2,852 | 2,433 | 2,075 | 1,727 | 1,405 | 935 | 300 | 60 | - | - |
| June | 3,983 | 3,329 | 2,843 | 2,250 | 2,045 | 1,488 | 1,041 | 708 | 503 | 445 | 323 |
| EBMUD | 405 | 405 | 405 | 405 | 405 | 405 | 405 | 405 | 405 | 405 | 405 |
| WID AG. | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| WID Municipal | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Net Flow | 3,458 | 2,804 | 2,318 | 1,725 | 1,520 | 963 | 516 | 183 | - | - | - |

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|---|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| July | 1,808 | 1,149 | 937 | 732 | 624 | 557 | 525 | 502 | 482 | 368 | 270 |
| EBMUD | 433 | 433 | 433 | 433 | 433 | 433 | 433 | 433 | 433 | 433 | 433 |
| WID AG. | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 |
| WID Municipal | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Net Flow | 1,231 | 571 | 360 | 154 | 46 | - | - | - | - | - | - |
| August | 871 | 813 | 656 | 575 | 546 | 525 | 498 | 489 | 467 | 404 | 275 |
| EBMUD | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 |
| WID AG. | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| WID Municipal | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Net Flow | 322 | 264 | 107 | 26 | (3) | (24) | (51) | (60) | (82) | (145) | (274) |
| September | 769 | 671 | 592 | 561 | 540 | 513 | 498 | 487 | 437 | 316 | 272 |
| EBMUD | 410 | 410 | 410 | 410 | 410 | 410 | 410 | 410 | 410 | 410 | 410 |
| WID AG. | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| WID Municipal | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Net Flow | 250 | 151 | 72 | 42 | 20 | - | - | - | - | - | - |
| October | 749 | 647 | 614 | 583 | 547 | 527 | 515 | 497 | 427 | 228 | 151 |
| EBMUD | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 |
| WID AG. | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| WID Municipal | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Net Flow | 366 | 264 | 230 | 200 | 164 | 144 | 132 | 113 | 44 | - | - |
| November | 893 | 721 | 678 | 646 | 609 | 555 | 525 | 479 | 333 | 216 | 147 |
| EBMUD | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 |
| WID AG. | - | - | - | - | - | - | - | - | - | - | - |
| WID Municipal | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Net Flow | 616 | 444 | 401 | 369 | 332 | 278 | 248 | 202 | 56 | - | - |
| December | 2,209 | 1,417 | 781 | 723 | 636 | 567 | 526 | 494 | 383 | 241 | 211 |
| EBMUD | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 |
| WID AG. | - | - | - | - | - | - | - | - | - | - | - |
| WID Municipal | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Net Flow | 1,957 | 1,165 | 529 | 470 | 384 | 314 | 274 | 242 | 131 | - | - |